

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011413.D
 Acq On : 09 Aug 2019 16:29
 Operator : JC/SP
 Sample : K4279-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668MS

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:38 PM

Quant Time: Aug 11 00:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251626	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	89098	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	5.49	113	78511	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	8.71	98	293043	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.13	95	112550	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	56884	43.789	ug/l	98
3) Chloromethane	1.32	50	62135	42.594	ug/l	99
4) Vinyl Chloride	1.40	62	68805	42.879	ug/l	99
5) Bromomethane	1.63	94	46913	40.993	ug/l	98
6) Chloroethane	1.71	64	45379	45.441	ug/l	95
7) Trichlorofluoromethane	1.92	101	126000	44.162	ug/l	97
8) Diethyl Ether	2.18	74	44579	43.757	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69954	45.314	ug/l	99
10) Methyl Iodide	2.50	142	90812	46.659	ug/l	97
11) Tert butyl alcohol	3.04	59	82184	243.323	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70339	45.964	ug/l	91
13) Acrolein	2.29	56	51745	246.513	ug/l	97
14) Allyl chloride	2.72	41	106805	52.353	ug/l	96
15) Acrylonitrile	3.14	53	210601	261.291	ug/l	99
16) Acetone	2.43	43	177027	219.577	ug/l	95
17) Carbon Disulfide	2.56	76	159462	44.405	ug/l	99
18) Methyl Acetate	2.76	43	98248	53.325	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	241003	53.441	ug/l	# 72
20) Methylene Chloride	2.85	84	80372	45.520	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	76737	47.404	ug/l	91
22) Diisopropyl ether	3.85	45	231491	51.629	ug/l	99
23) Vinyl Acetate	3.81	43	1012338	272.217	ug/l	99
24) 1,1-Dichloroethane	3.69	63	133489	50.489	ug/l	98
25) 2-Butanone	4.67	43	287954	251.084	ug/l	97
26) 2,2-Dichloropropane	4.57	77	101044	49.164	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	91441	49.042	ug/l	98
28) Bromochloromethane	5.01	49	65012	53.938	ug/l	96
29) Tetrahydrofuran	5.12	42	182912	260.119	ug/l	99
30) Chloroform	5.20	83	147827	51.444	ug/l	94
31) Cyclohexane	5.57	56	292744	134.208	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	129071	52.434	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103669	47.188	ug/l	98
37) Ethyl Acetate	4.82	43	112037	50.841	ug/l	99
38) Carbon Tetrachloride	5.78	117	113083	51.163	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192951	74.095	ug/l	98
40) Benzene	6.13	78	362676	55.321	ug/l	97
41) Methacrylonitrile	5.04	41	62312	51.776	ug/l	96
42) 1,2-Dichloroethane	6.18	62	118240	53.337	ug/l	98
43) Isopropyl Acetate	6.44	43	182863	51.903	ug/l	99
44) Trichloroethene	7.21	130	92806	46.769	ug/l	99
45) 1,2-Dichloropropane	7.51	63	81848	48.207	ug/l	94
46) Dibromomethane	7.66	93	59964	48.380	ug/l	97
47) Bromodichloromethane	7.90	83	110184	52.506	ug/l	98
48) Methyl methacrylate	7.76	41	91907	55.431	ug/l	99
49) 1,4-Dioxane	7.74	88	40298	838.345	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	601055	264.348	ug/l	99
52) Toluene	8.78	92	210421	48.546	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	119209	48.848	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	128551	52.442	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	89344	50.133	ug/l	98
56) Ethyl methacrylate	9.18	69	136138	53.605	ug/l	97
57) 1,3-Dichloropropane	9.37	76	141661	50.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	316479	253.440	ug/l	99
59) 2-Hexanone	9.49	43	460716	261.600	ug/l	99
60) Dibromochloromethane	9.58	129	97597	53.490	ug/l	98
61) 1,2-Dibromoethane	9.67	107	96657	50.200	ug/l	98
64) Tetrachloroethene	9.34	164	90979	45.240	ug/l	97
65) Chlorobenzene	10.13	112	238743	47.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	90643	52.145	ug/l	99
67) Ethyl Benzene	10.25	91	2042503	240.199	ug/l	98
68) m/p-Xylenes	10.36	106	361285	109.843	ug/l	97
69) o-Xylene	10.69	106	163765	50.675	ug/l	99
70) Styrene	10.71	104	272468	50.955	ug/l	98
71) Bromoform	10.85	173	73086	47.192	ug/l #	98
73) Isopropylbenzene	11.02	105	607097	68.733	ug/l	99
74) N-amyl acetate	10.90	43	168972	52.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	140629	47.776	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	120055m	51.046	ug/l	
77) Bromobenzene	11.25	156	117152	47.832	ug/l	96
78) n-propylbenzene	11.36	91	703008	71.571	ug/l	98
79) 2-Chlorotoluene	11.42	91	289749	49.492	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	364903	49.352	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	39962	45.791	ug/l	98
82) 4-Chlorotoluene	11.51	91	333214	48.837	ug/l	99
83) tert-Butylbenzene	11.77	119	359999	49.643	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1549853	210.534	ug/l	100
85) sec-Butylbenzene	11.94	105	446048	51.195	ug/l	99
86) p-Isopropyltoluene	12.06	119	404818	50.505	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	207052	47.844	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	209204	46.881	ug/l	98
89) n-Butylbenzene	12.38	91	353572	51.202	ug/l	98
90) Hexachloroethane	12.59	117	68455	57.767	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	208191	47.879	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31671	55.536	ug/l	92

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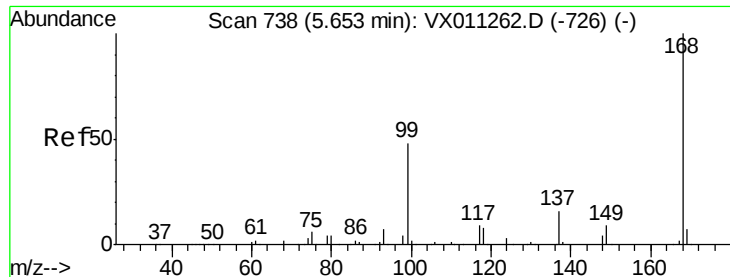
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140636	48.769	ug/l	98
94) Hexachlorobutadiene	13.78	225	68902	47.095	ug/l	99
95) Naphthalene	13.83	128	1008998	119.649	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145190	49.525	ug/l	98

(#) = 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: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion:168 Resp: 168194

Ion Ratio Lower Upper

168 100

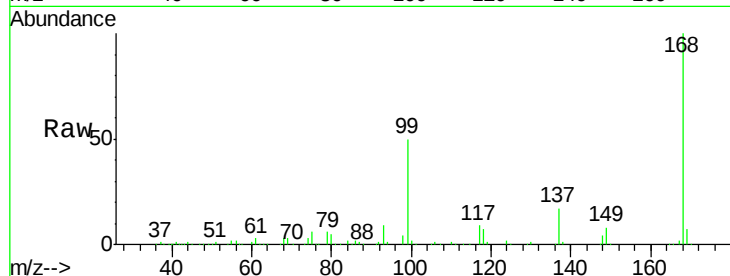
99 49.6 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

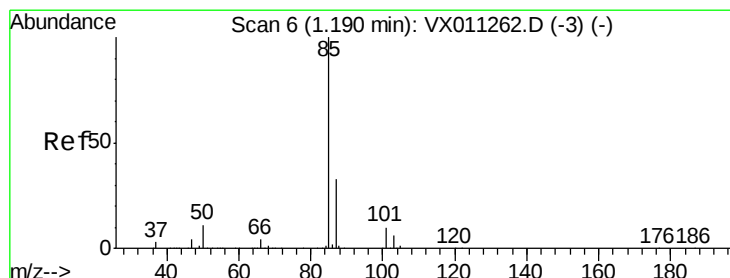
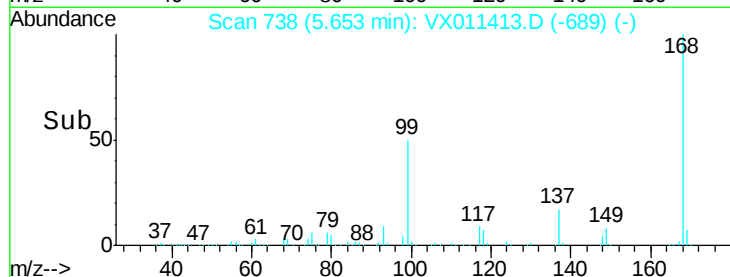
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.789 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011413.D

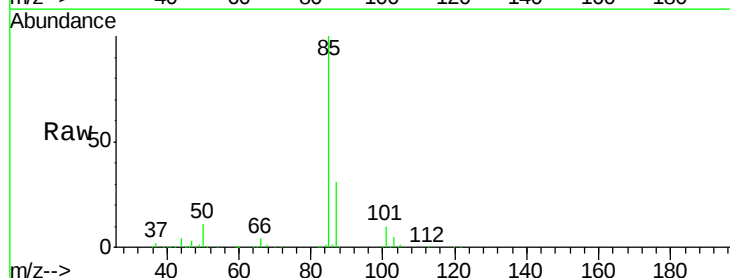
Acq: 09 Aug 2019 16:29

Tgt Ion: 85 Resp: 56884

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

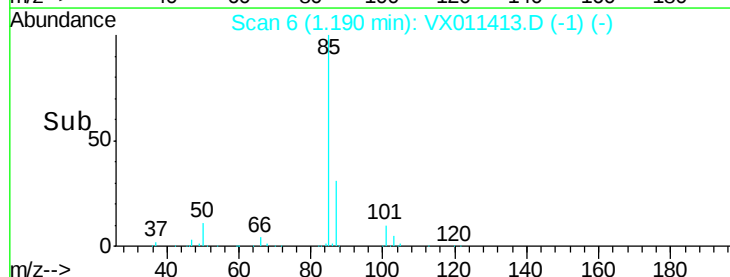
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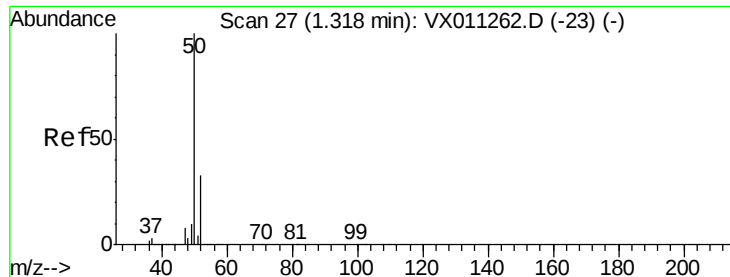
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 42.594 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion: 50 Resp: 62135

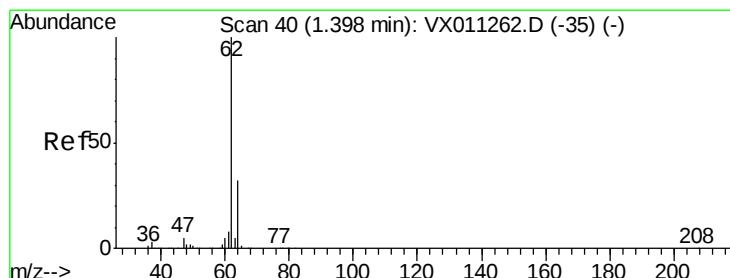
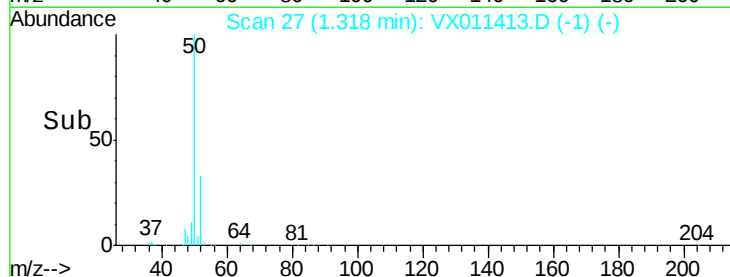
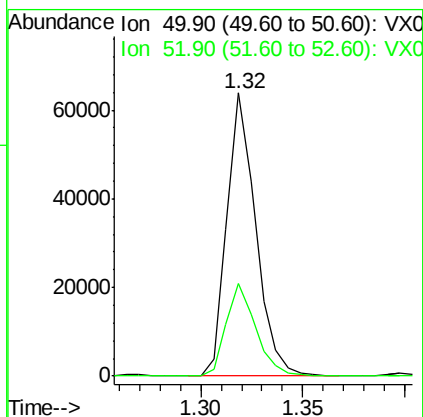
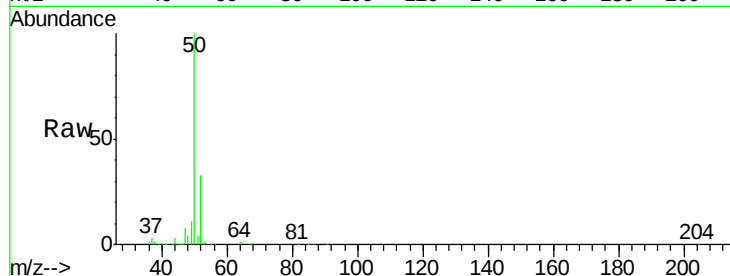
Ion Ratio Lower Upper

50 100

52 32.6 26.4 39.6

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#4

Vinyl Chloride

Concen: 42.879 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011413.D

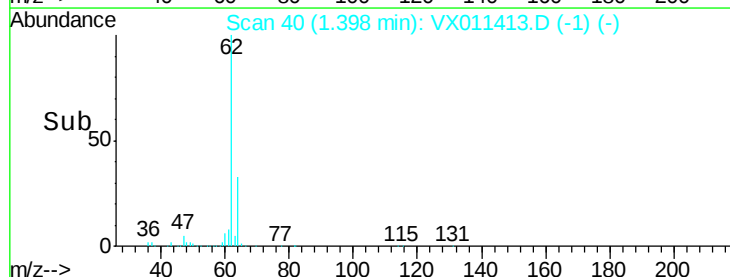
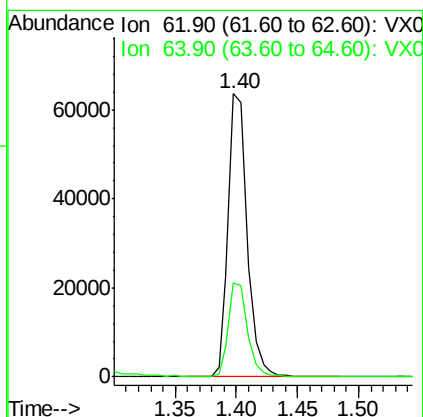
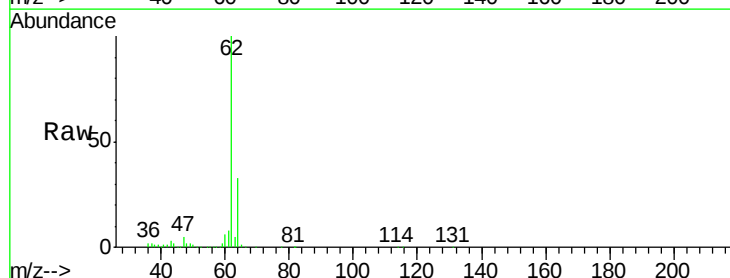
Acq: 09 Aug 2019 16:29

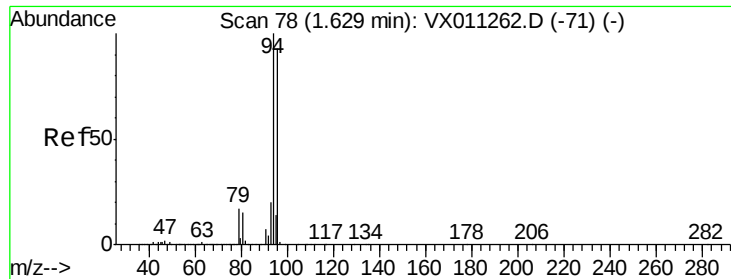
Tgt Ion: 62 Resp: 68805

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0





#5

Bromomethane

Concen: 40.993 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion: 94 Resp: 46913

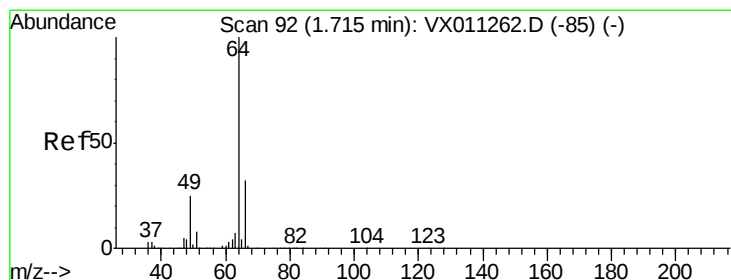
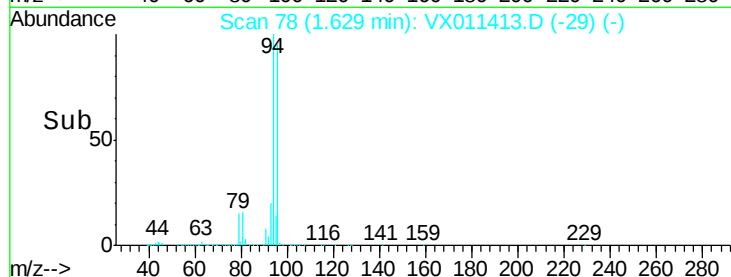
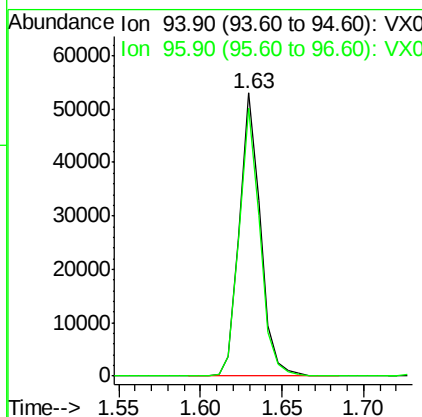
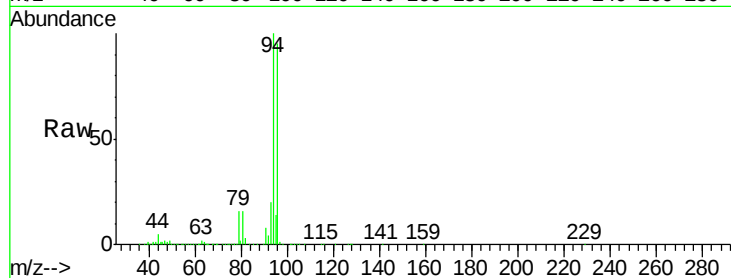
Ion Ratio Lower Upper

94 100

96 94.9 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 45.441 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011413.D

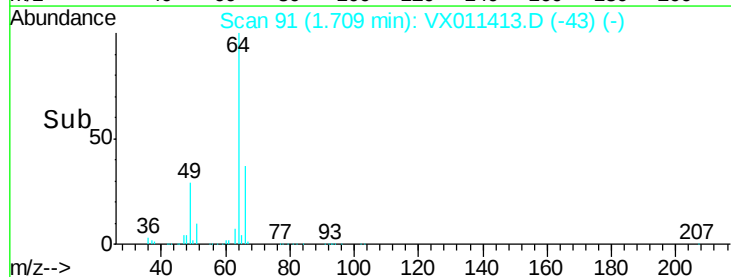
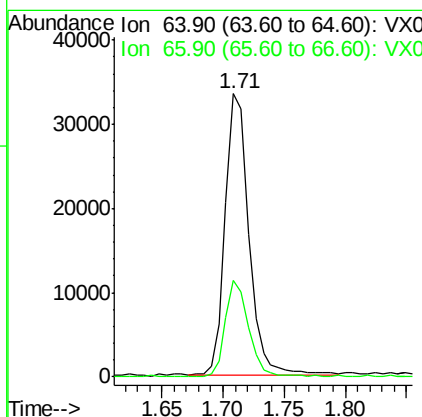
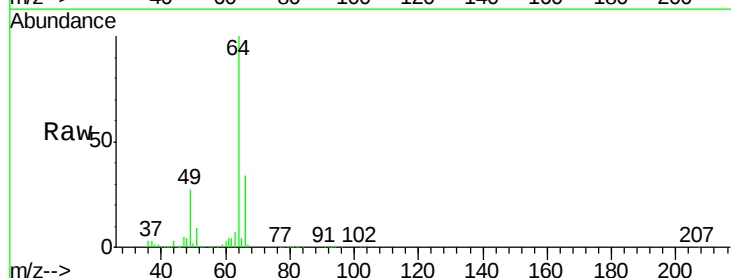
Acq: 09 Aug 2019 16:29

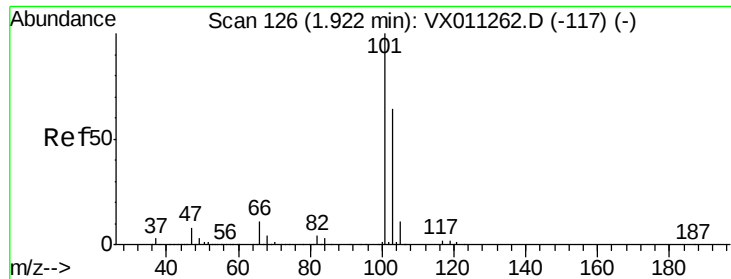
Tgt Ion: 64 Resp: 45379

Ion Ratio Lower Upper

64 100

66 34.0 25.1 37.7





#7

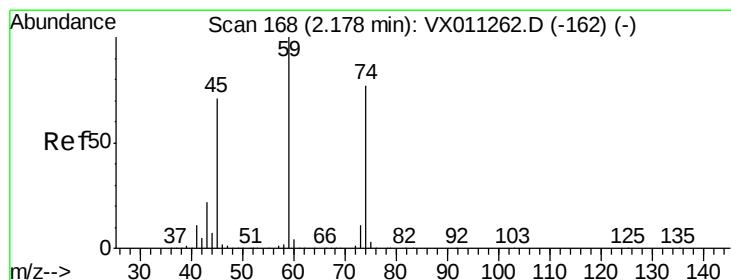
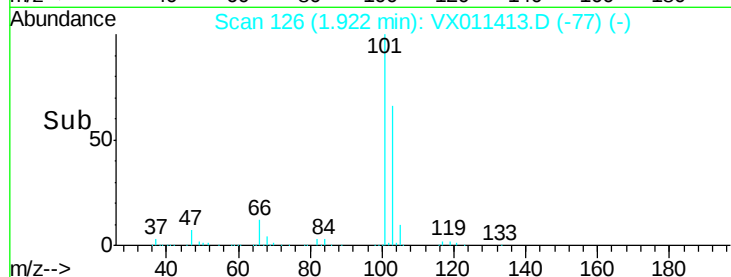
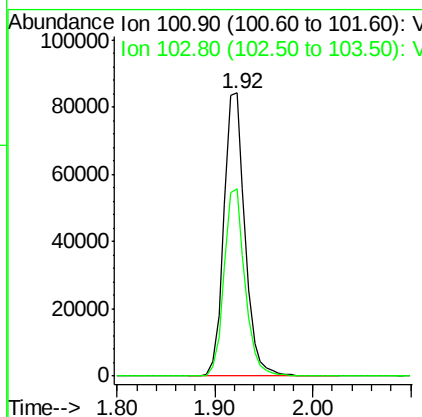
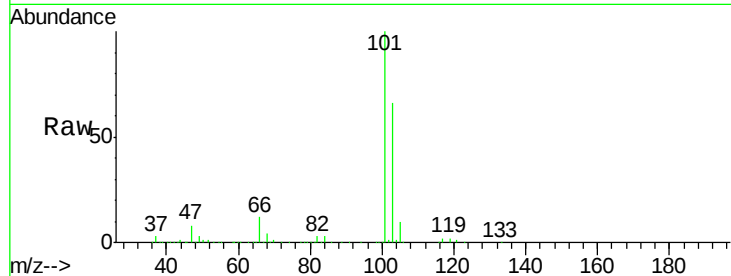
Trichlorofluoromethane
Concen: 44.162 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

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Z3-0668MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126000		
103	66.2	50.9	76.3	

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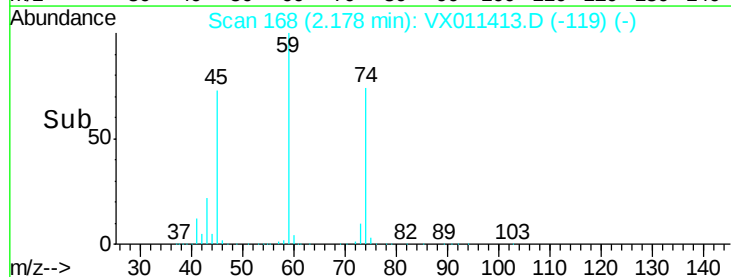
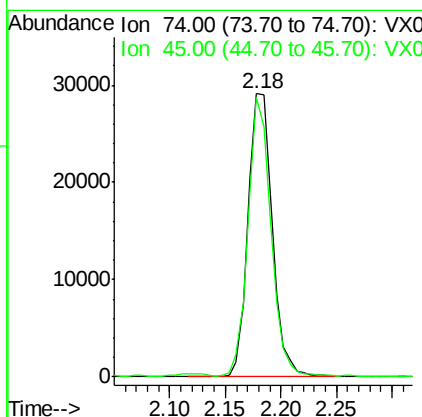
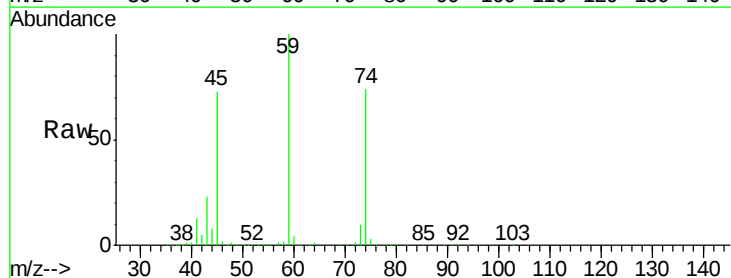
MMDadoda
8/12/2019 12:50:38 PM

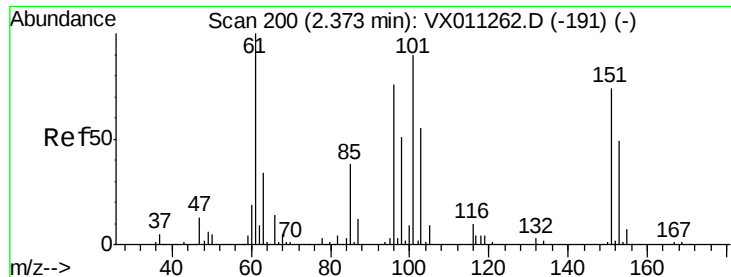


#8

Diethyl Ether
Concen: 43.757 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44579		
45	91.6	46.1	138.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.314 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

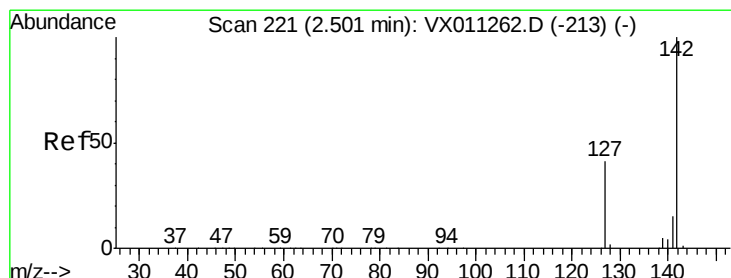
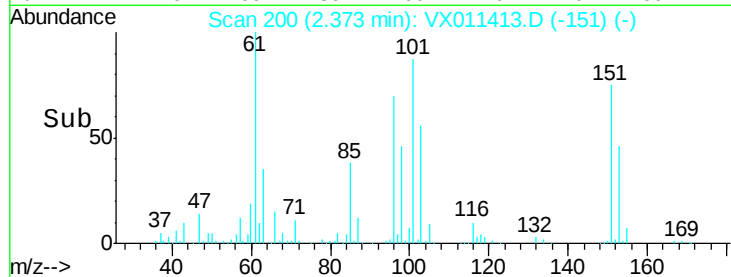
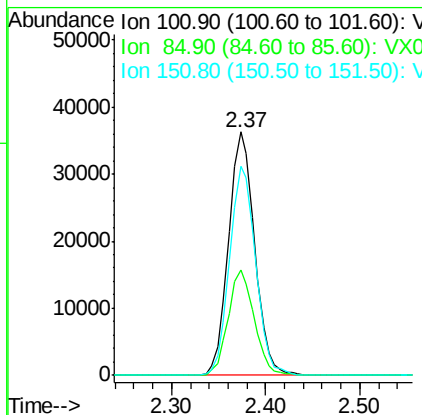
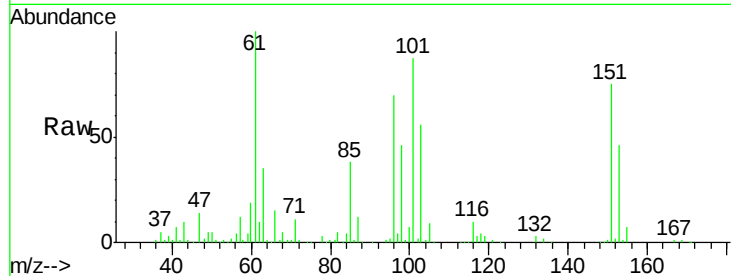
ClientSampleId :

Z3-0668MS

Tot Ion:	101	Resp:	69954
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.8	50.6
151	85.9	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.659 ug/l

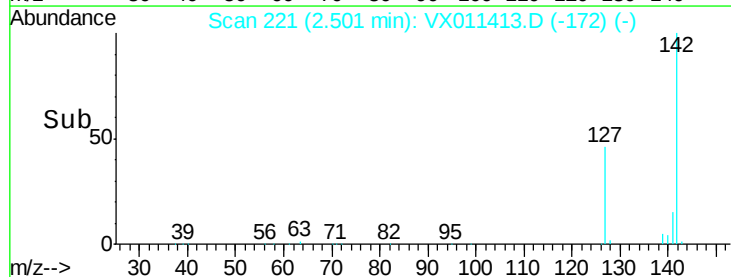
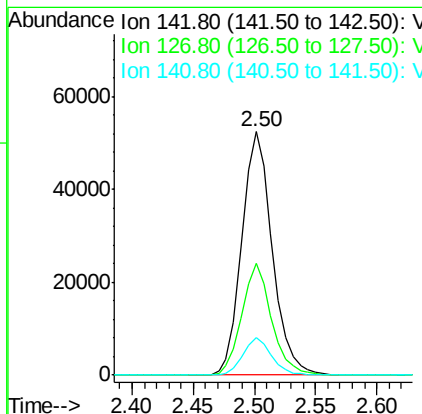
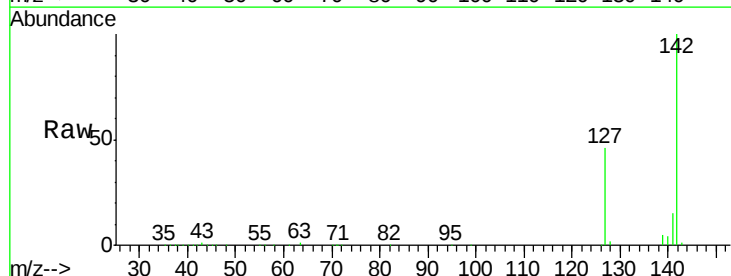
RT: 2.50 min Scan# 221

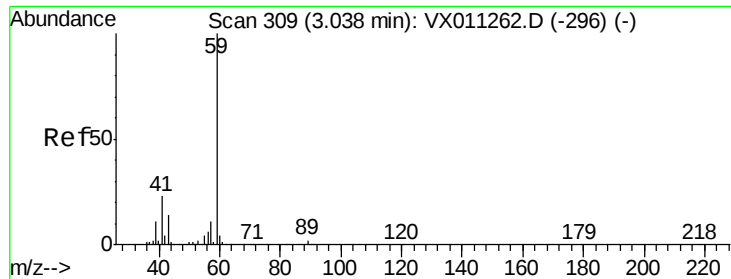
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	142	Resp:	90812
Ion Ratio	Lower	Upper	
142	100		
127	44.7	33.8	50.8
141	14.4	11.4	17.2





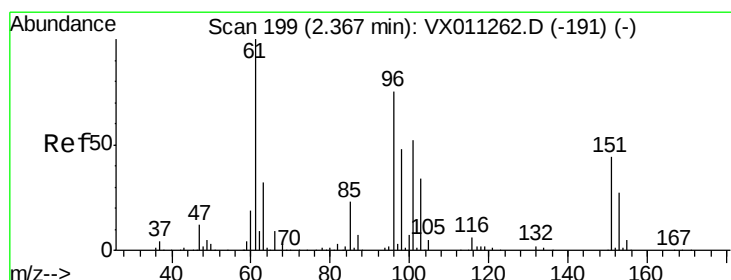
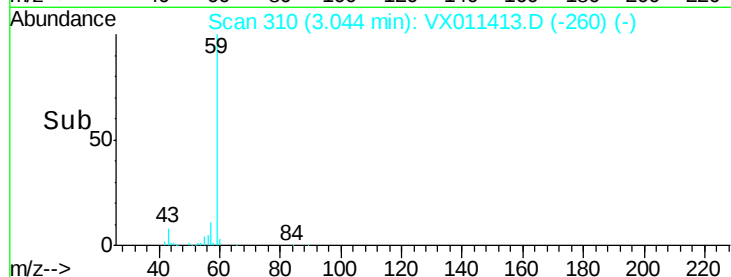
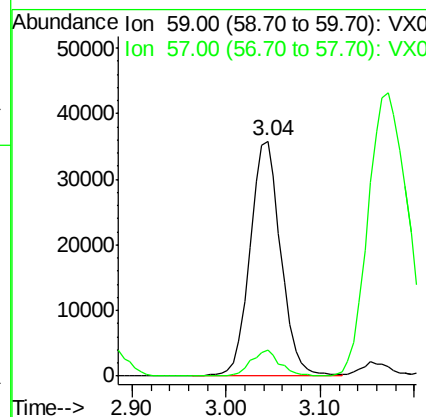
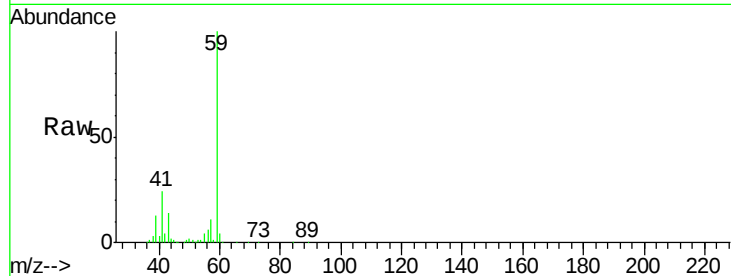
#11
Tert butyl alcohol
Concen: 243.323 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion: 59 Resp: 82184
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

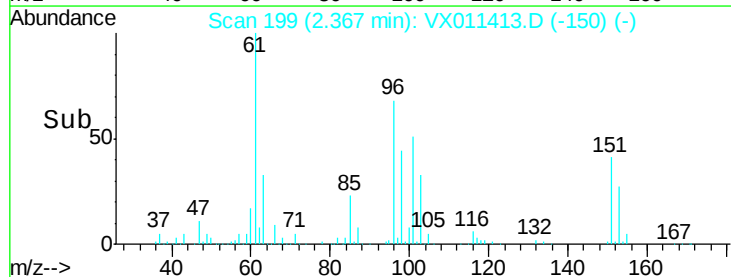
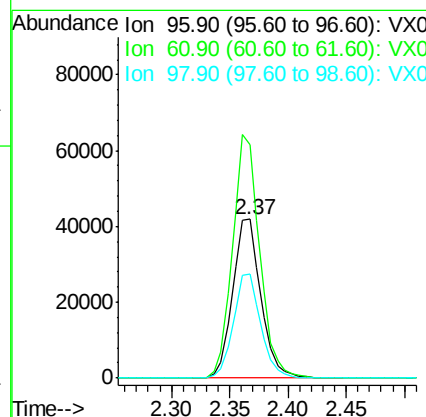
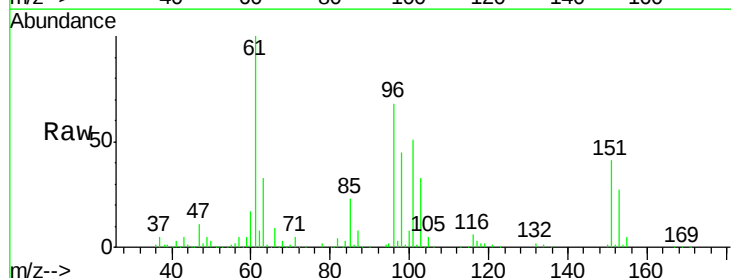
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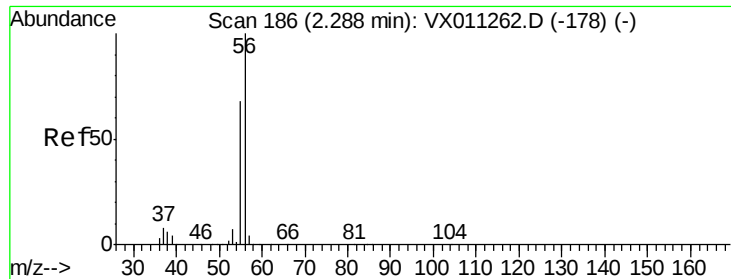
MMDadoda
8/12/2019 12:50:38 PM



#12
1,1-Dichloroethene
Concen: 45.964 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion: 96 Resp: 70339
Ion Ratio Lower Upper
96 100
61 147.0 106.2 159.2
98 65.5 50.6 75.8





#13

Acrolein

Concen: 246.513 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion: 56 Resp: 51745

Ion Ratio Lower Upper

56 100

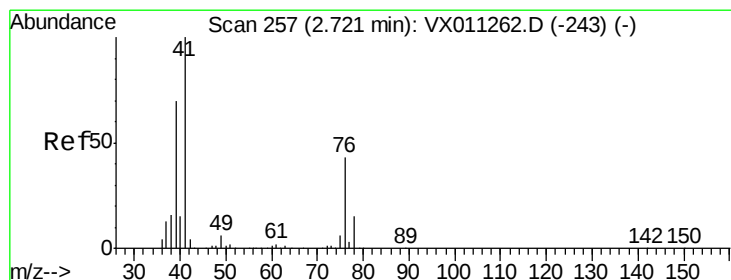
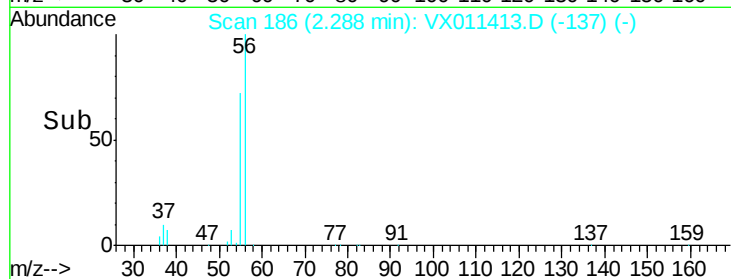
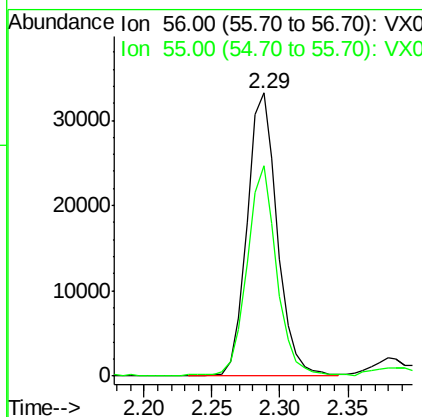
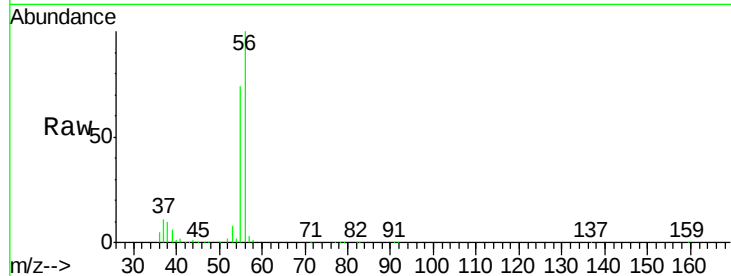
55 72.5 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.353 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

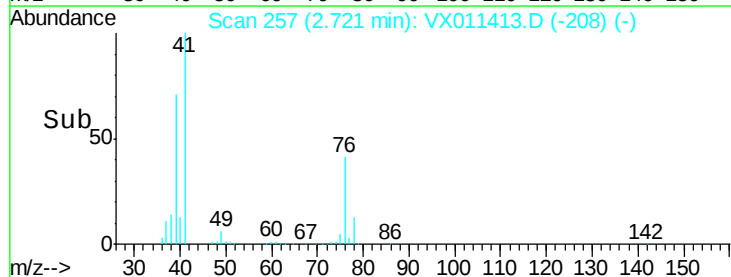
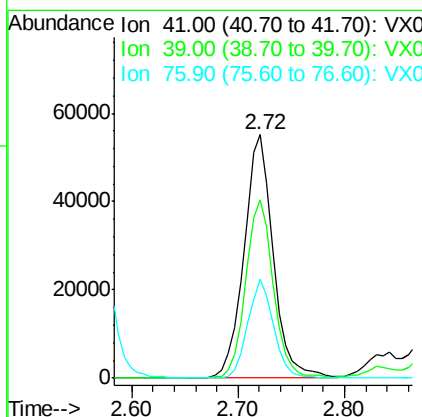
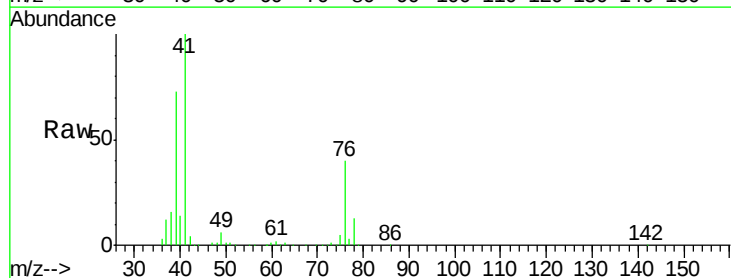
Tgt Ion: 41 Resp: 106805

Ion Ratio Lower Upper

41 100

39 68.7 52.8 79.2

76 35.8 31.1 46.7





#15

Acrylonitrile

Concen: 261.291 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

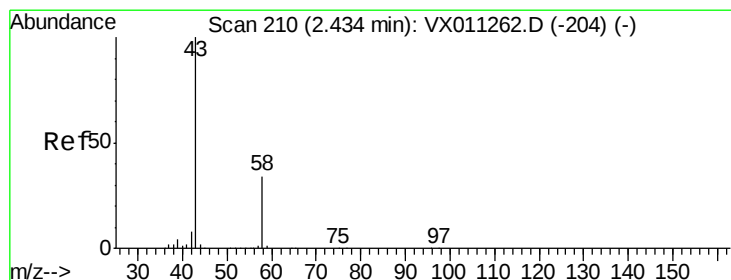
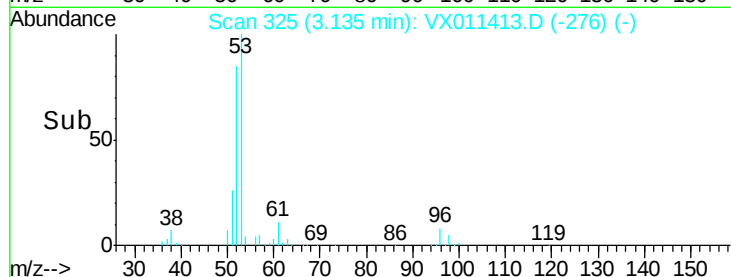
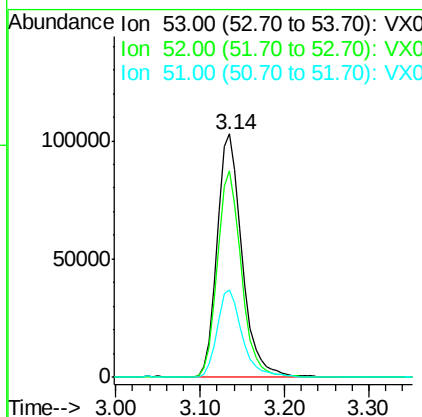
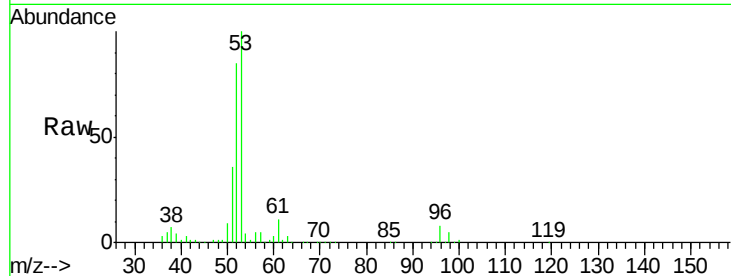
ClientSampled :

Z3-0668MS

Tot Ion:	53	Resp:	210601
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.5	98.3
51	36.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 219.577 ug/l

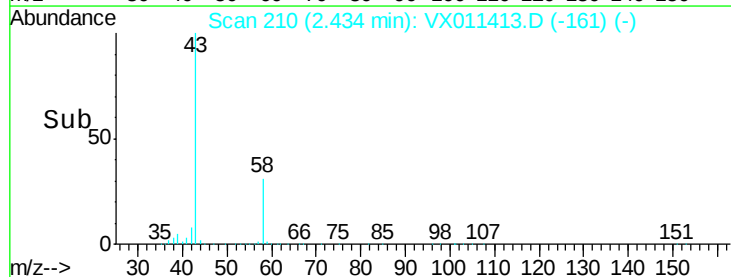
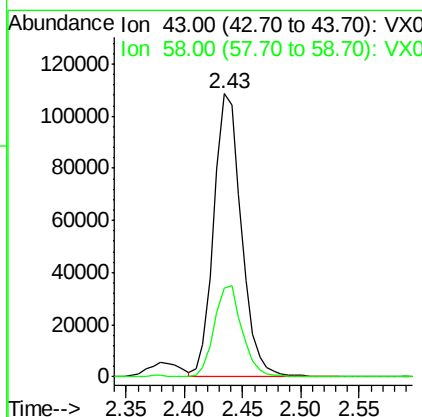
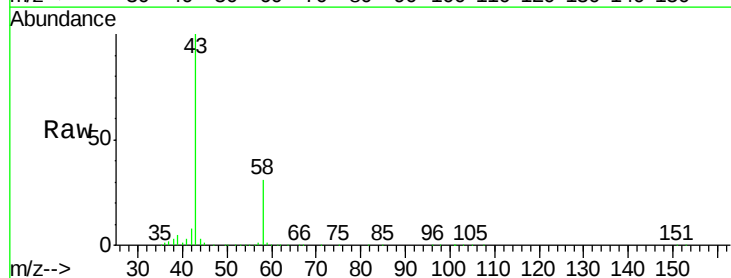
RT: 2.43 min Scan# 210

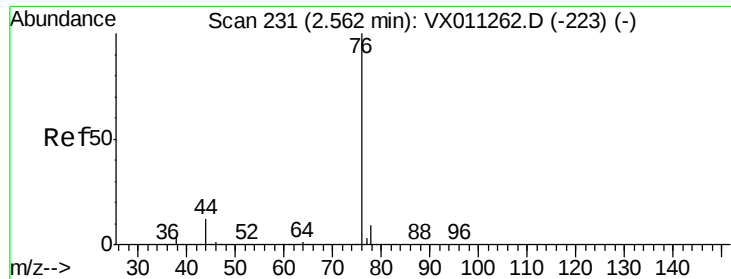
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	43	Resp:	177027
Ion Ratio	Lower	Upper	
43	100		
58	31.2	27.4	41.0





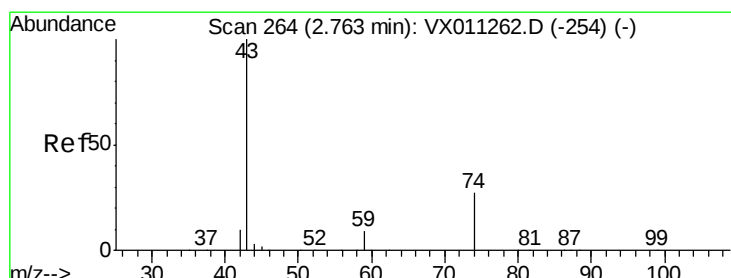
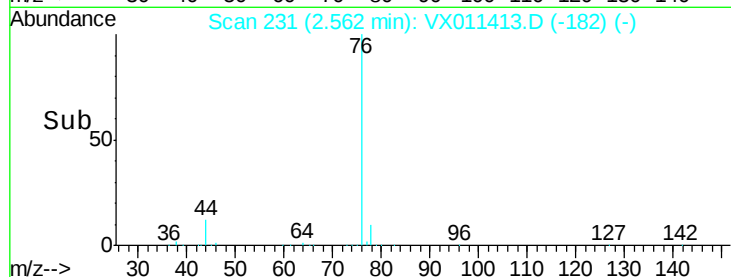
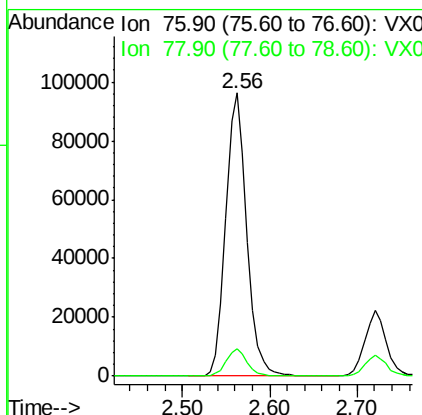
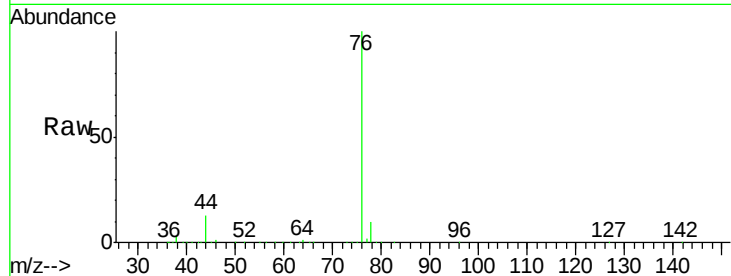
#17
Carbon Disulfide
Concen: 44.405 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
Z3-0668MS

Tot Ion: 76 Resp: 159462
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

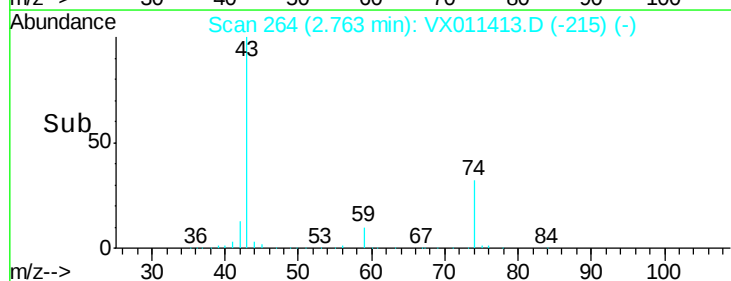
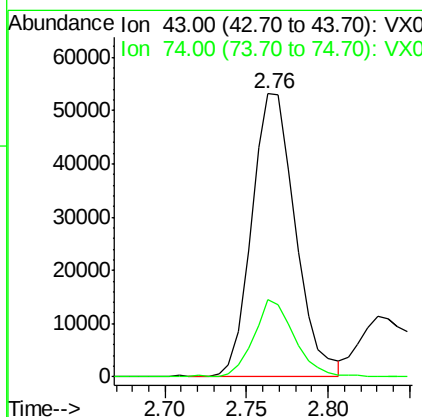
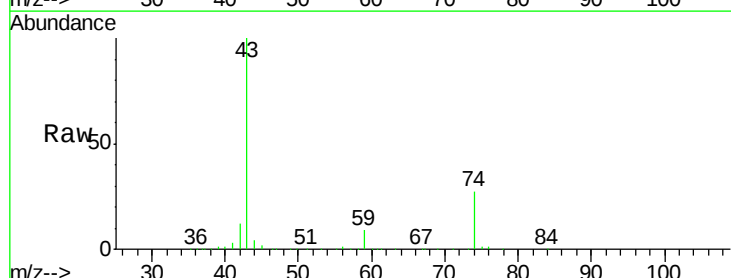
Manual Integrations
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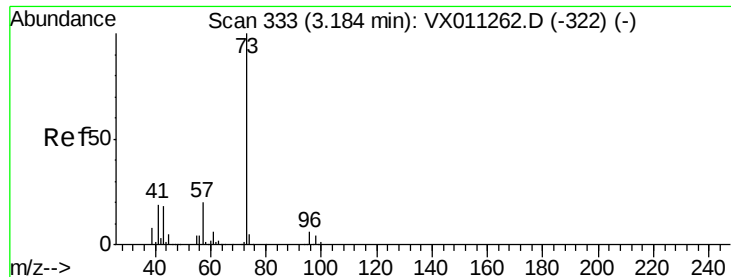
MMDadoda
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#18
Methyl Acetate
Concen: 53.325 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion: 43 Resp: 98248
Ion Ratio Lower Upper
43 100
74 26.2 21.0 31.6





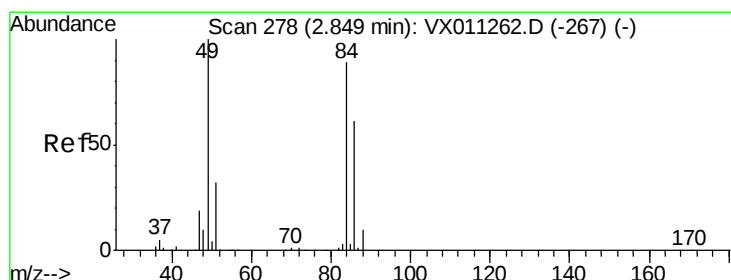
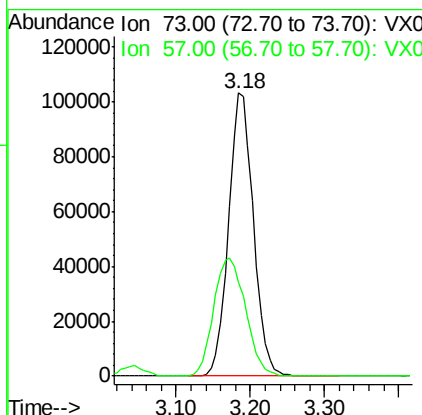
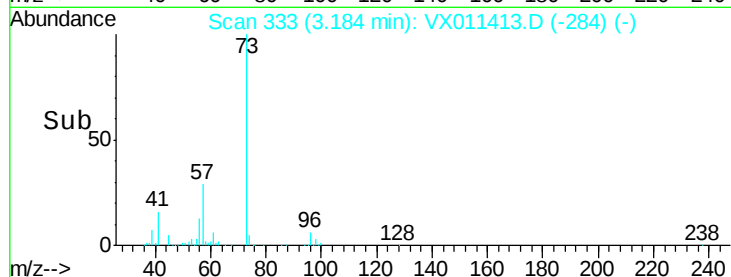
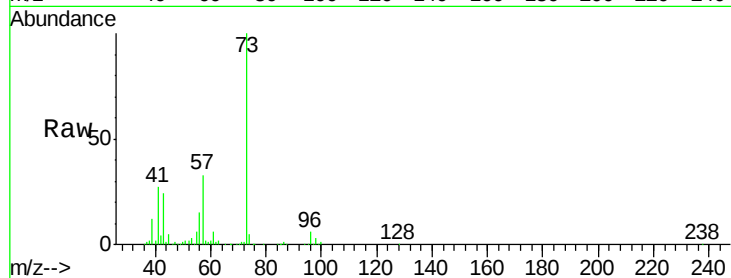
#19
Methyl tert-butyl Ether
Concen: 53.441 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
Z3-0668MS

Tot Ion: 73 Resp: 241003
Ion Ratio Lower Upper
73 100
57 33.2 16.2 24.2#

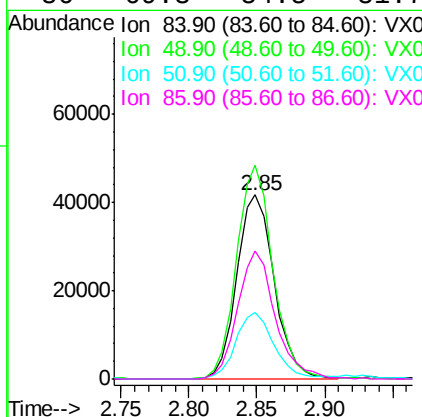
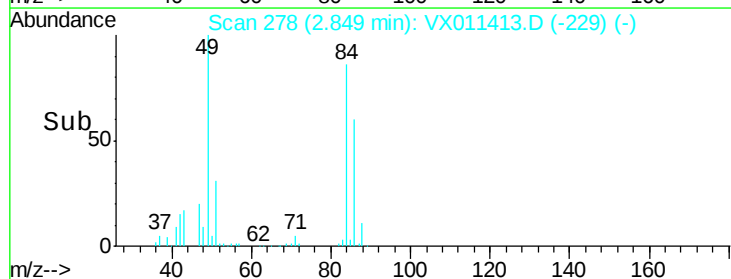
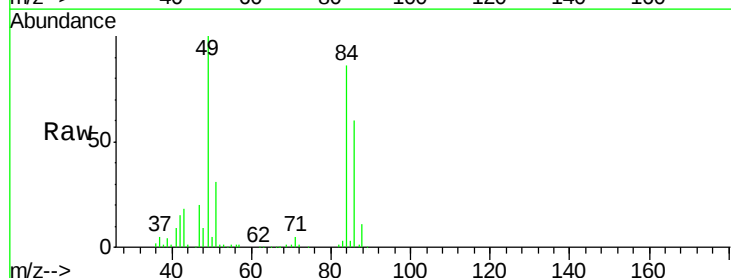
Manual Integrations
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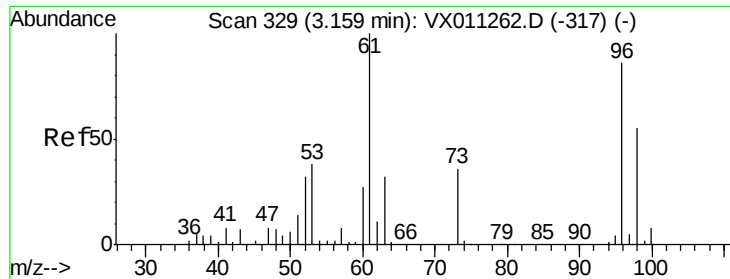
MMDadoda
8/12/2019 12:50:38 PM



#20
Methylene Chloride
Concen: 45.520 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion: 84 Resp: 80372
Ion Ratio Lower Upper
84 100
49 115.7 89.3 133.9
51 36.1 28.3 42.5
86 69.3 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 47.404 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

Z3-0668MS

Tot Ion: 96 Resp: 76737

Ion Ratio Lower Upper

96 100

61 130.3 92.8 139.2

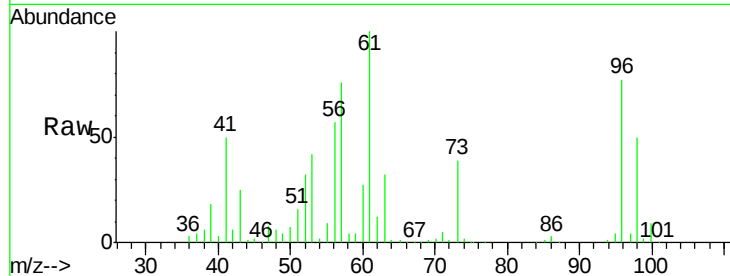
98 64.9 51.2 76.8

Manual Integrations

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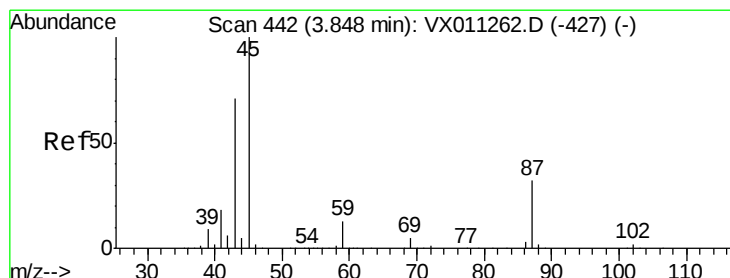
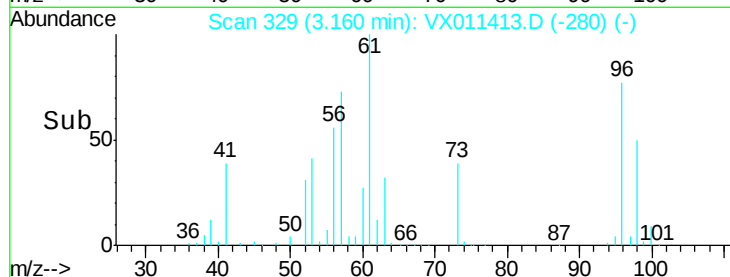
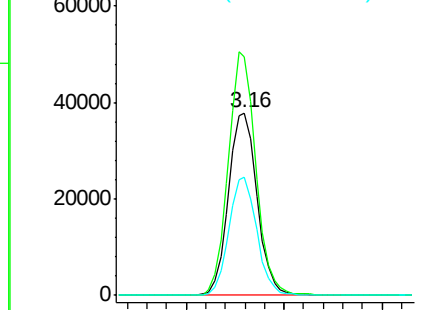
8/12/2019 12:50:38 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.629 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion: 45 Resp: 231491

Ion Ratio Lower Upper

45 100

43 71.1 56.8 85.2

87 31.3 25.8 38.6

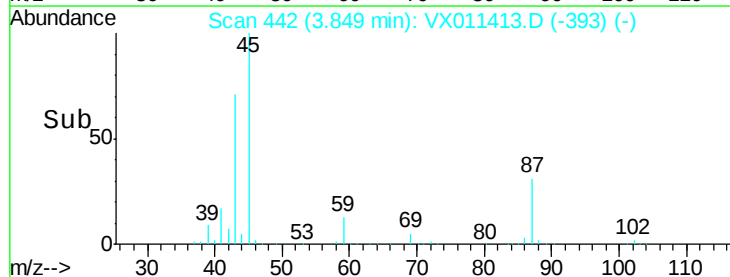
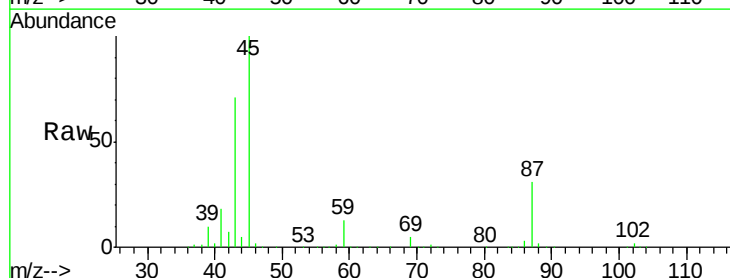
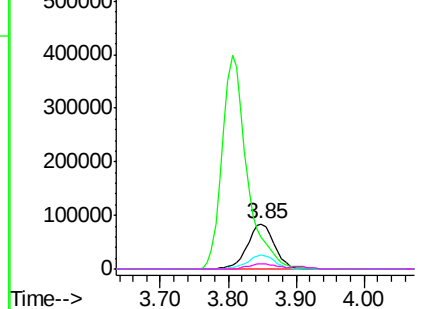
59 12.5 10.3 15.5

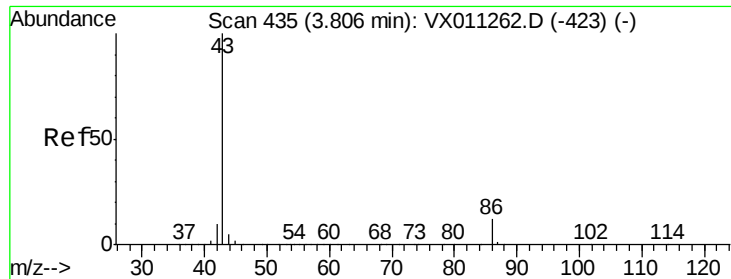
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 272.217 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion: 43 Resp: 1012338

Ion Ratio Lower Upper

43 100

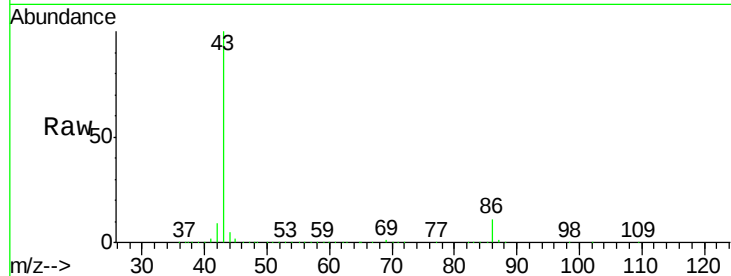
86 11.4 9.6 14.4

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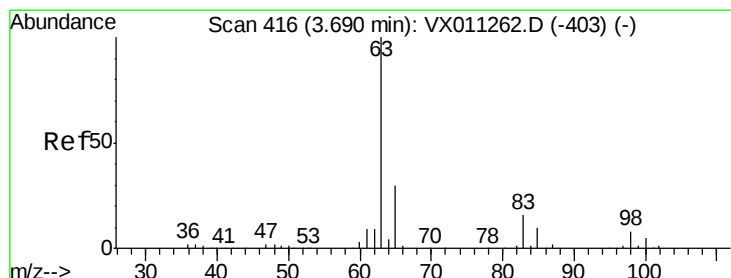
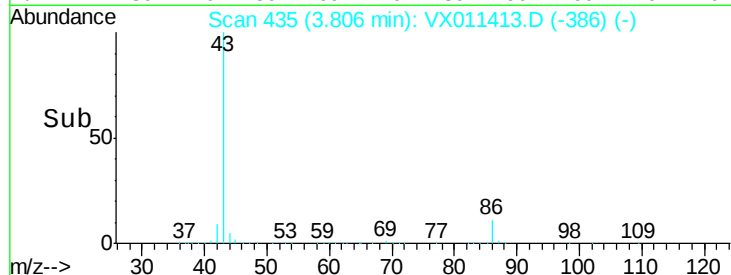
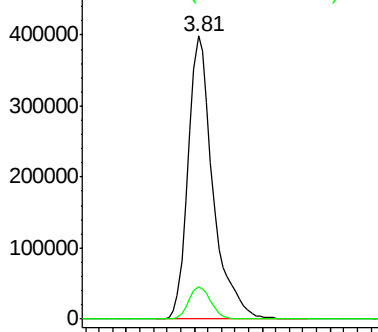
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.489 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

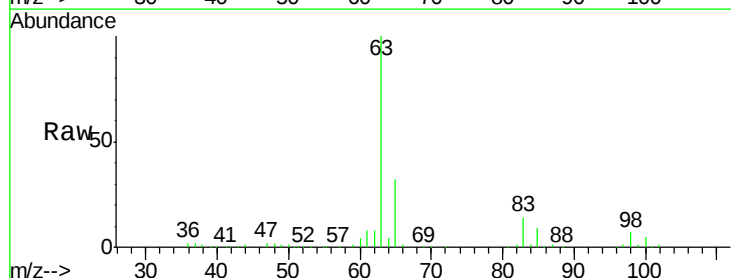
Tgt Ion: 63 Resp: 133489

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

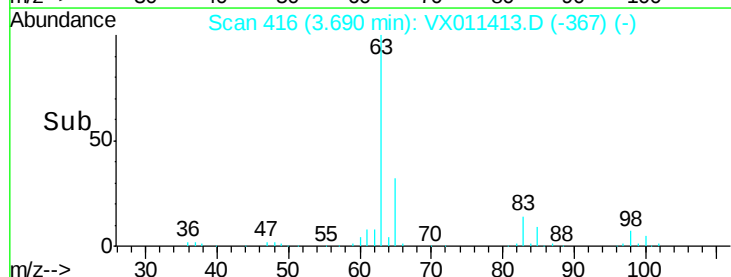
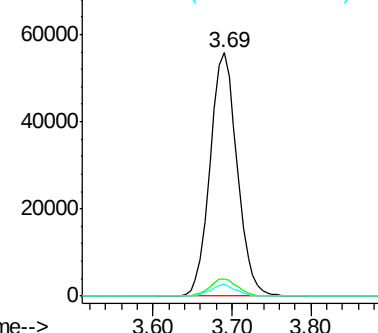
100 4.8 2.7 8.1

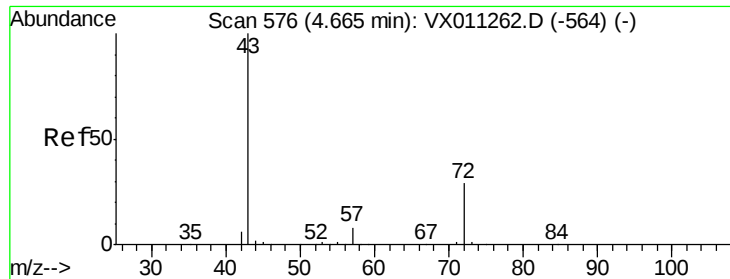


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 251.084 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

Z3-0668MS

Tot Ion: 43 Resp: 287954

Ion Ratio Lower Upper

43 100

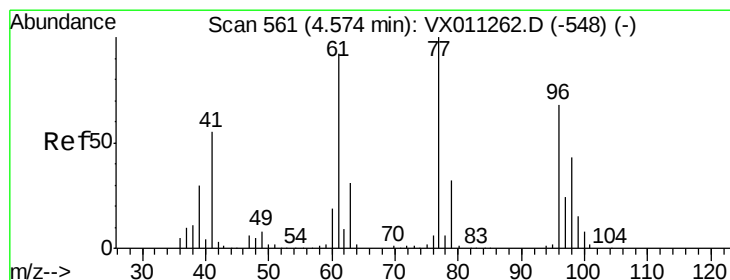
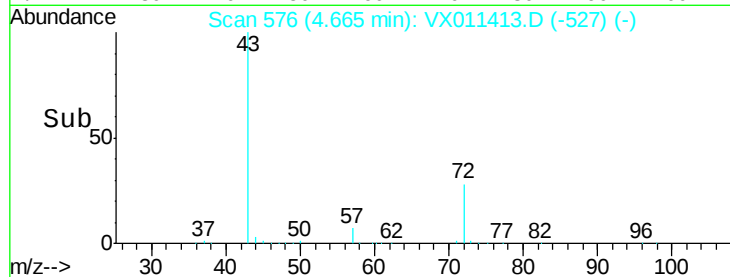
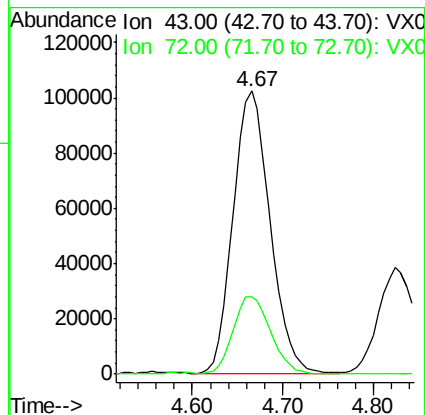
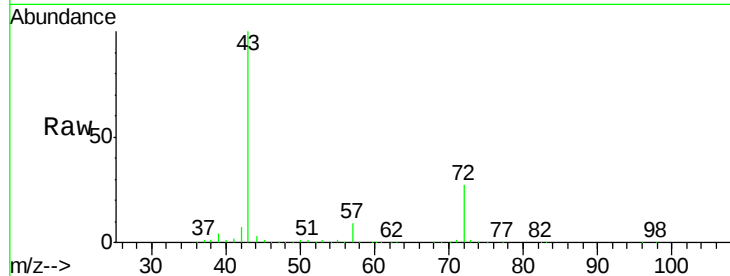
72 27.4 23.2 34.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.164 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011413.D

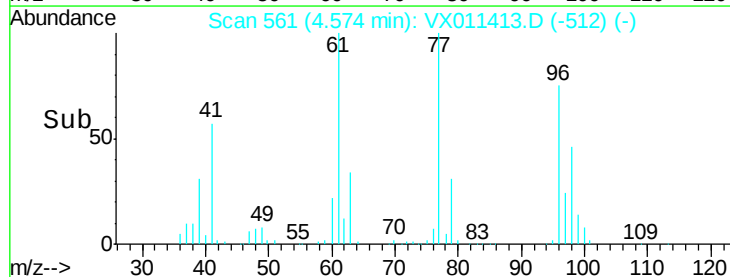
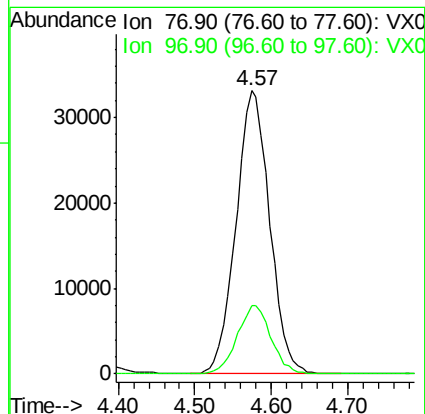
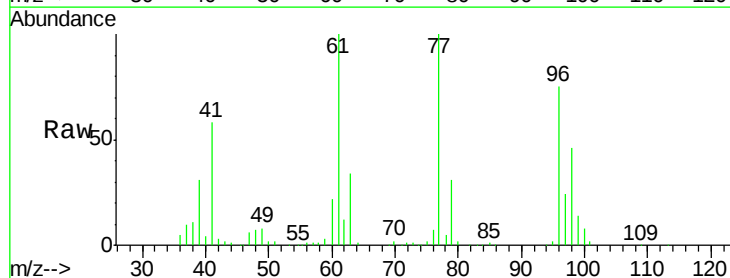
Acq: 09 Aug 2019 16:29

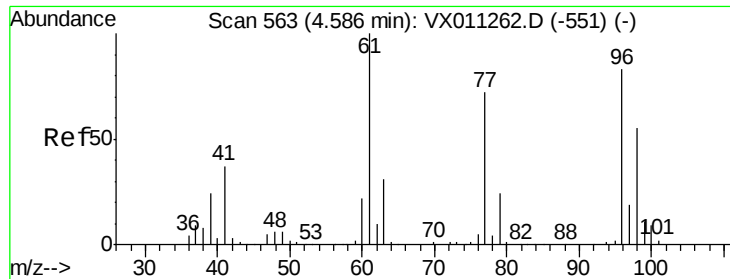
Tgt Ion: 77 Resp: 101044

Ion Ratio Lower Upper

77 100

97 24.4 12.8 38.4





#27

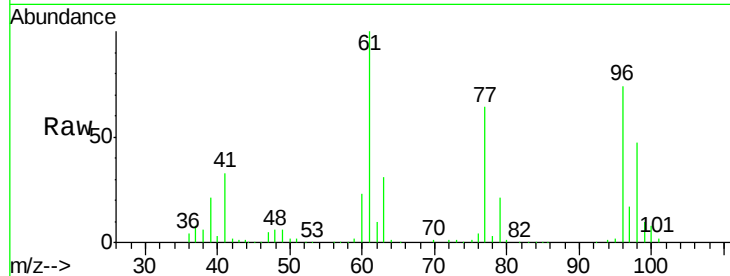
cis-1,2-Dichloroethene
Concen: 49.042 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	260.2
98	64.7	0.0	133.2

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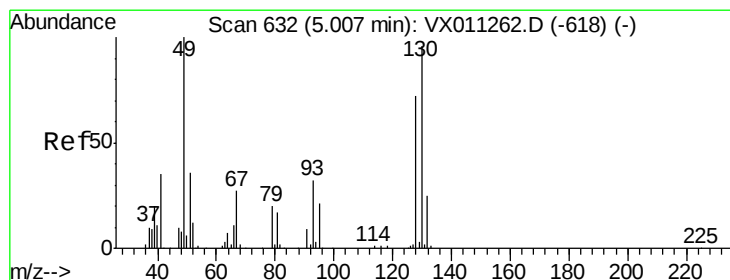
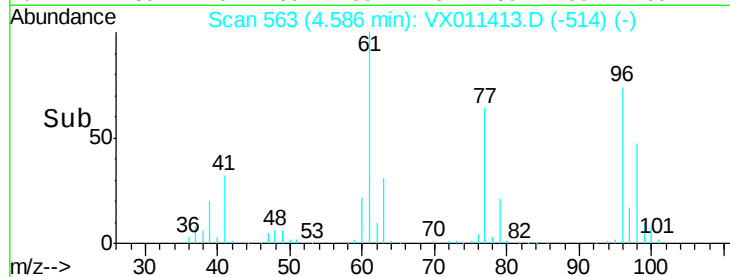
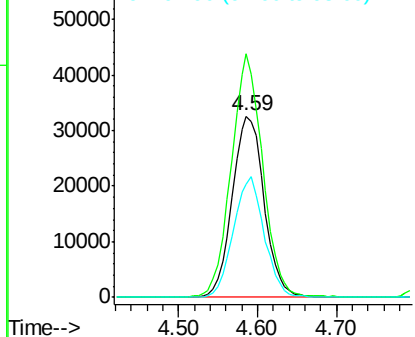


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

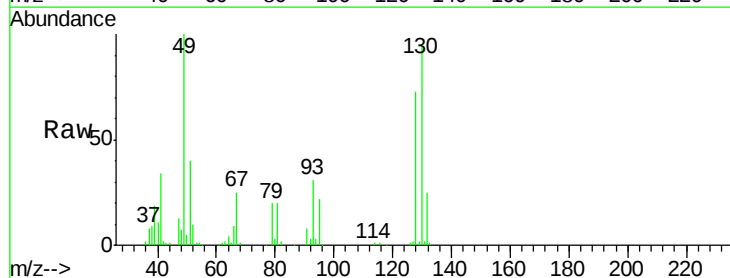
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 53.938 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.8
130	93.0	77.9	116.9

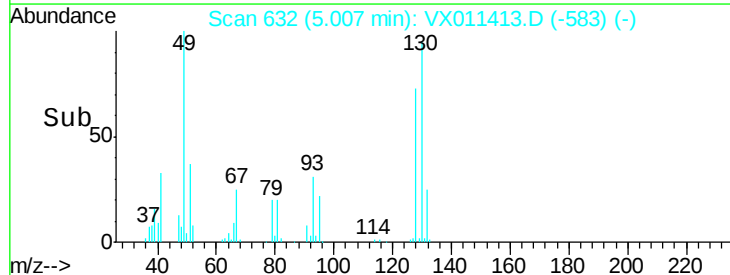
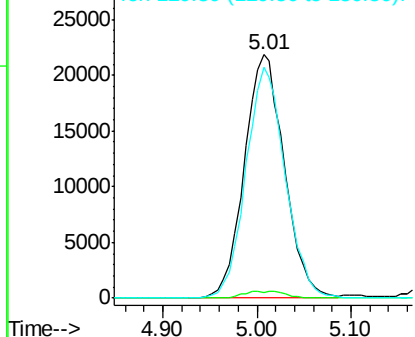


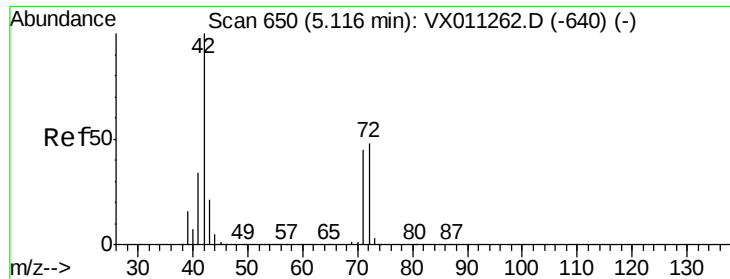
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





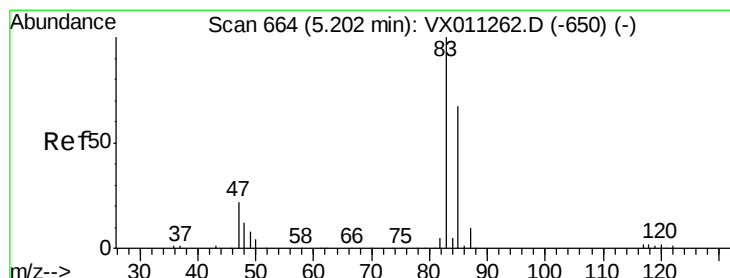
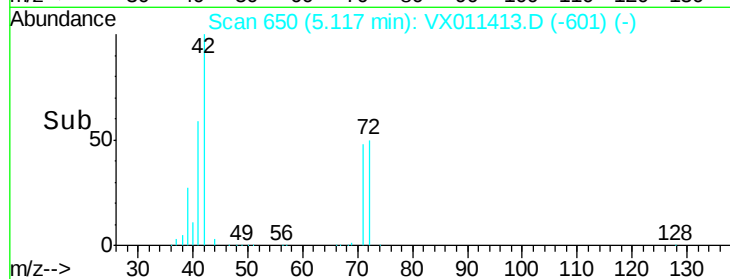
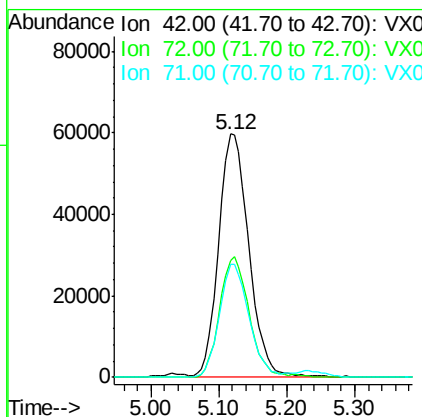
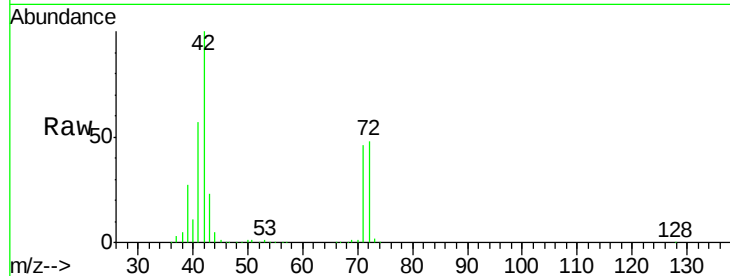
#29
Tetrahydrofuran
Concen: 260.119 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
Z3-0668MS

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	49.4	39.9	59.9
71	45.9	36.9	55.3

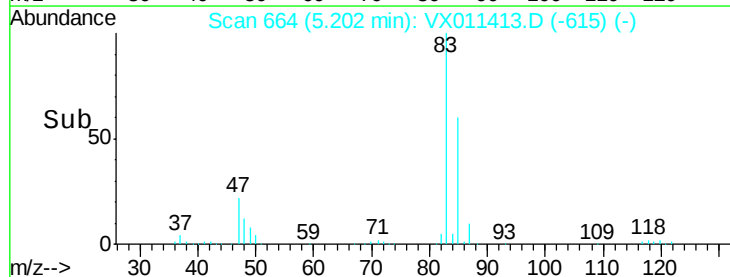
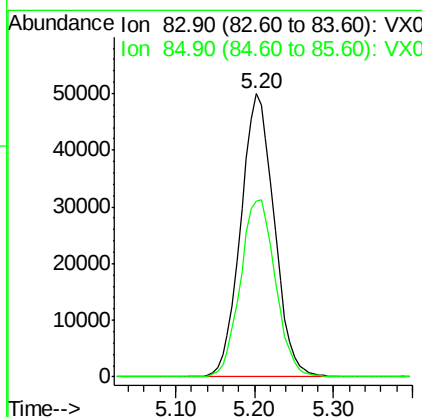
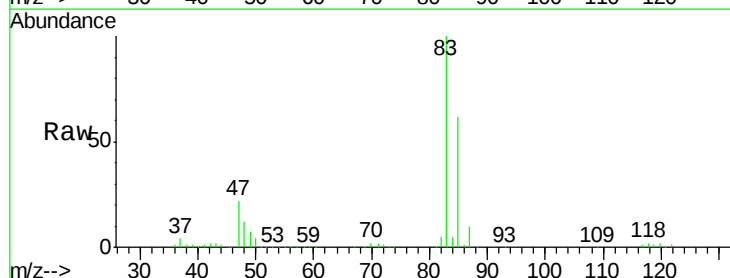
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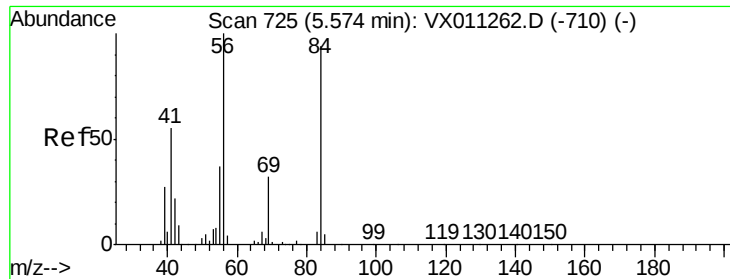
MMDadoda
8/12/2019 12:50:38 PM



#30
Chloroform
Concen: 51.444 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	62.0	53.4	80.0





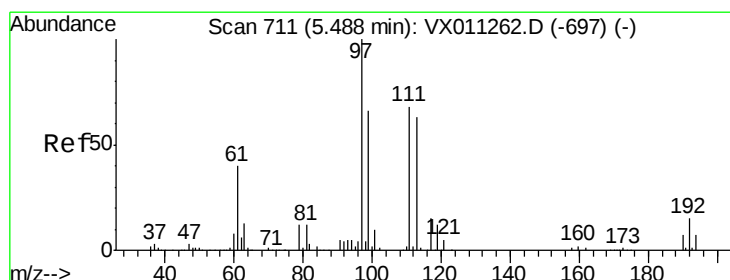
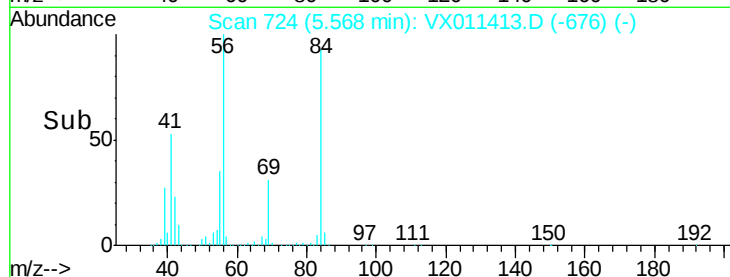
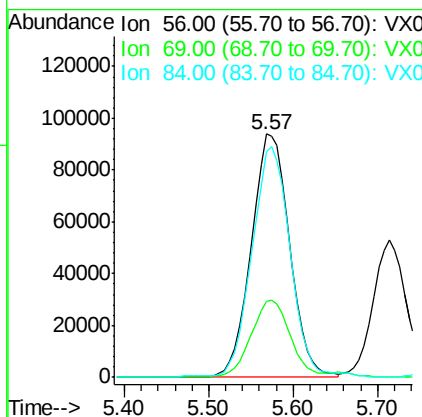
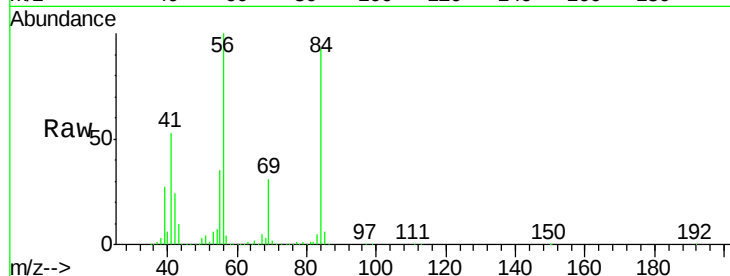
#31
Cyclohexane
Concen: 134.208 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.5	38.3
84	92.0	75.0	112.4

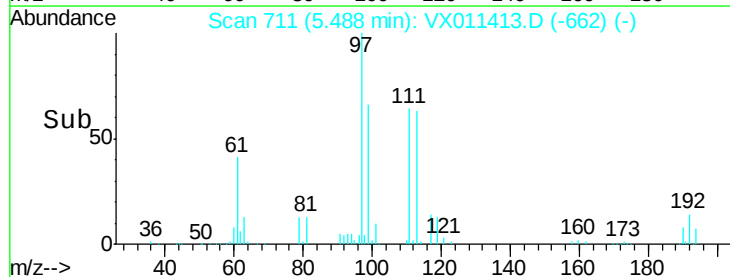
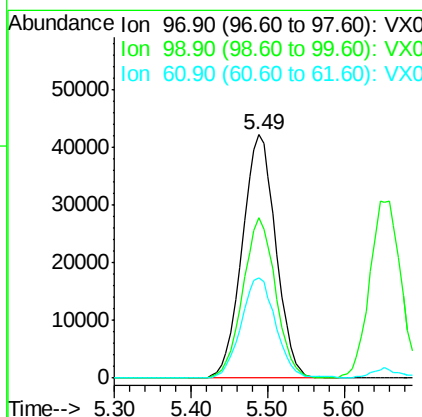
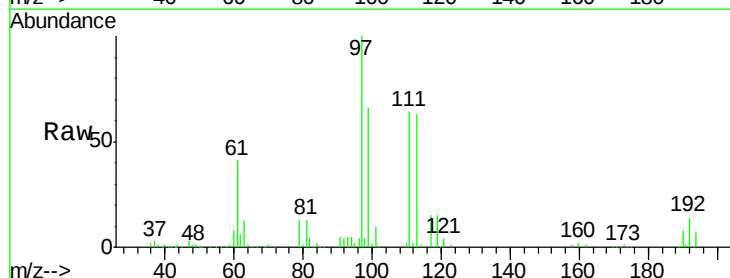
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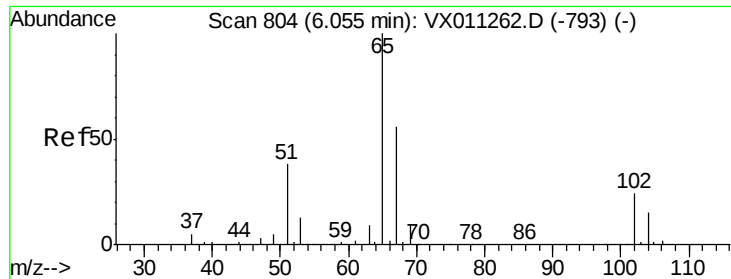
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#32
1,1,1-Trichloroethane
Concen: 52.434 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	42.3	32.3	48.5





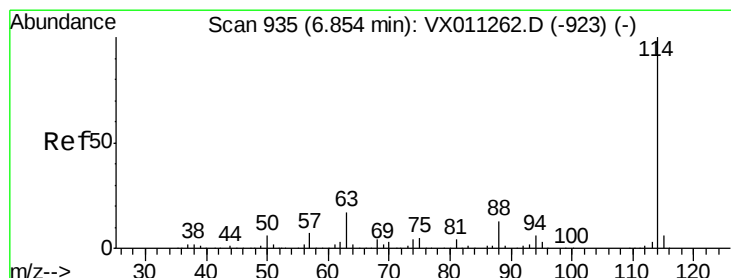
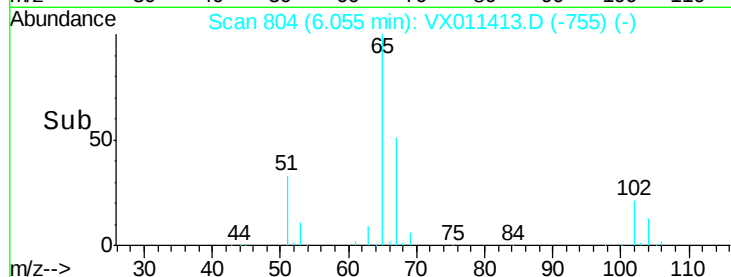
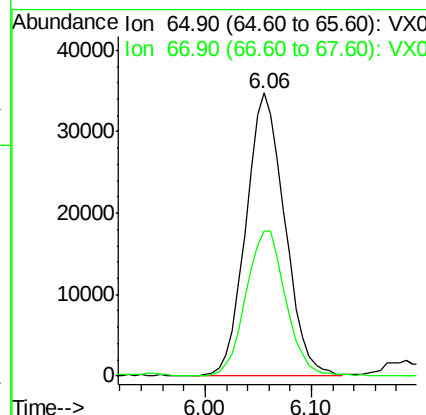
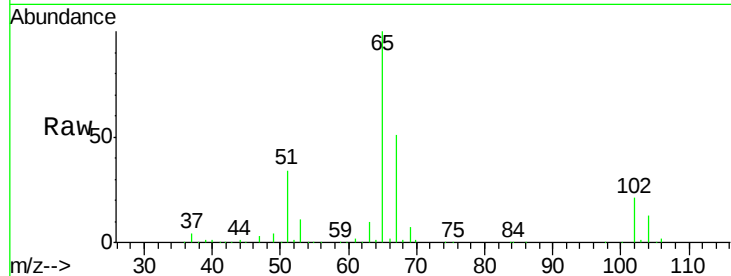
#33
 1,2-Dichloroethane-d4
 Concen: 52.602 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89098		
67	52.2	0.0	110.6	

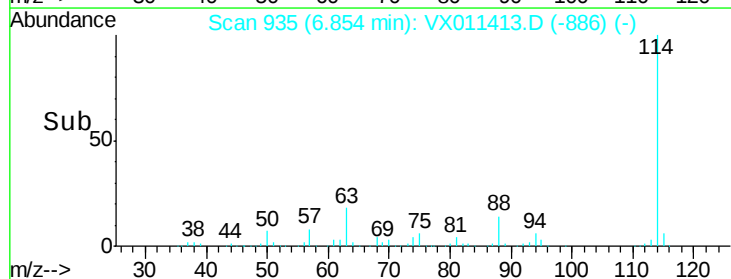
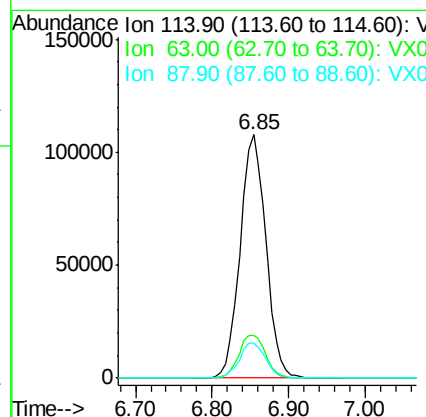
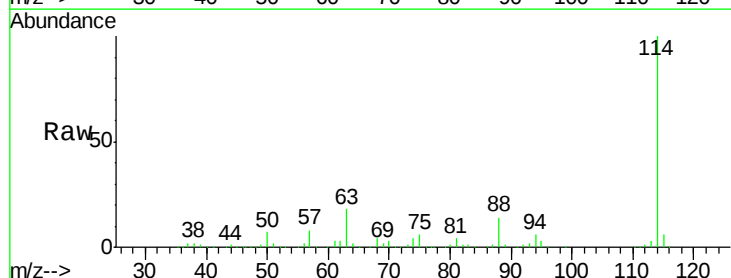
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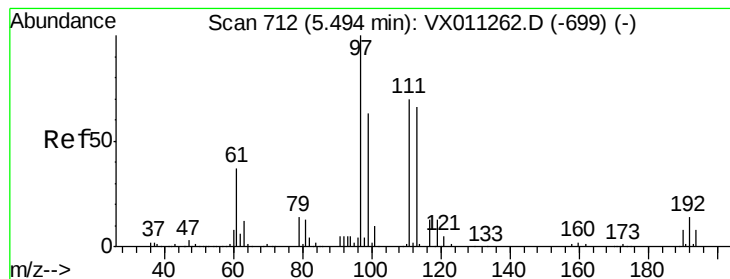
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 8/12/2019 12:50:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	251626		
63	17.7	0.0	34.0	
88	14.3	0.0	26.4	





#35

Dibromofluoromethane

Concen: 47.791 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

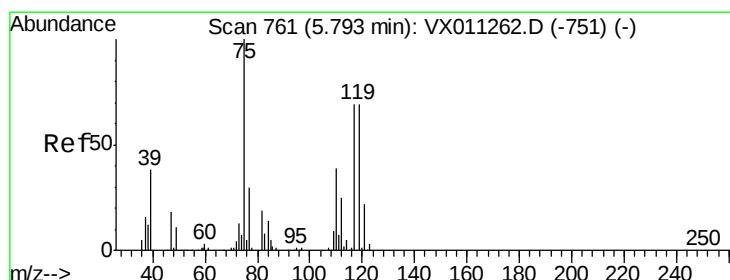
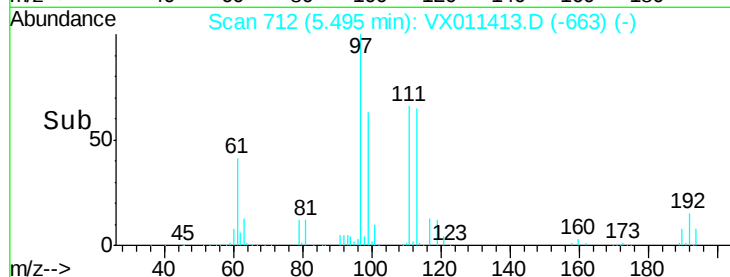
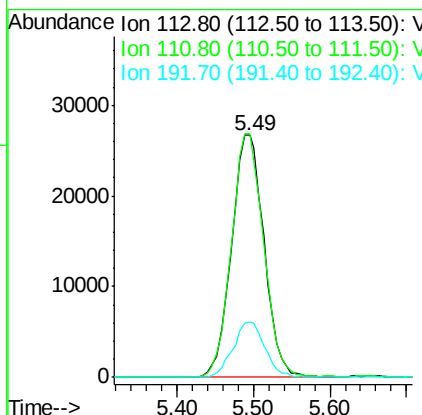
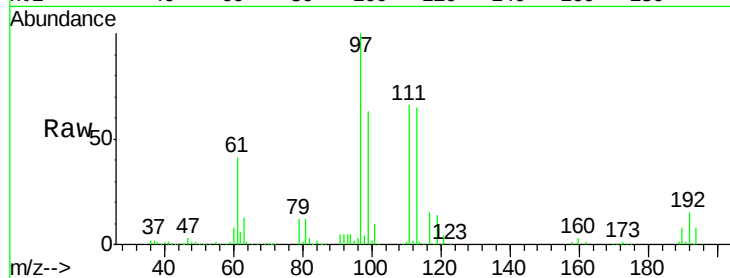
ClientSampleId :

Z3-0668MS

Tot Ion:	113	Resp:	78511
Ion	Ratio	Lower	Upper
113	100		
111	99.5	81.9	122.9
192	22.4	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.188 ug/l

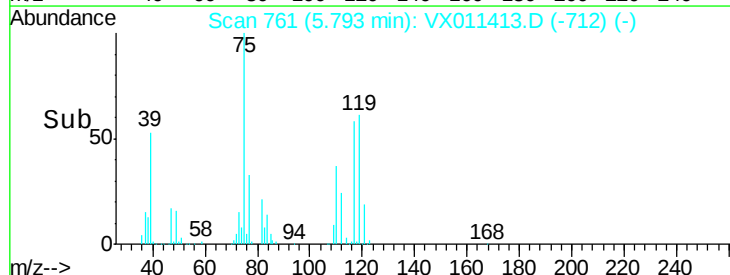
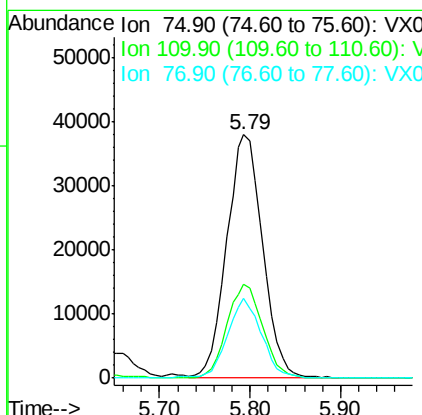
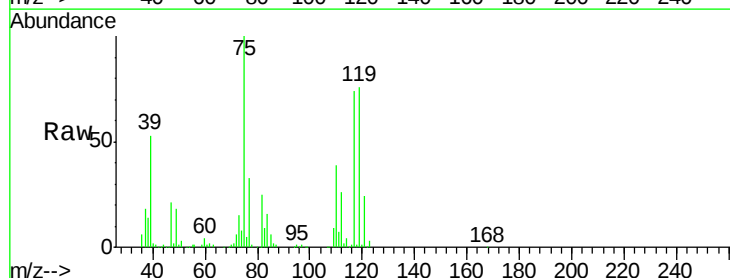
RT: 5.79 min Scan# 761

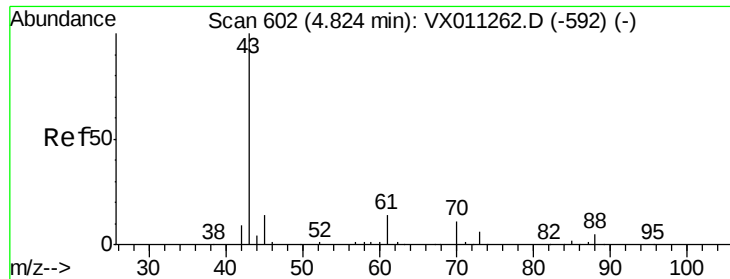
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	75	Resp:	103669
Ion	Ratio	Lower	Upper
75	100		
110	38.3	20.0	59.9
77	31.7	24.8	37.2





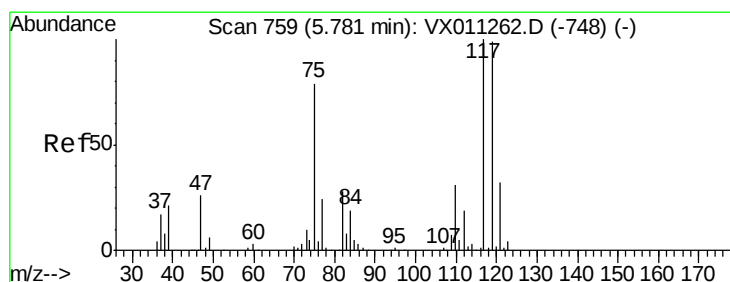
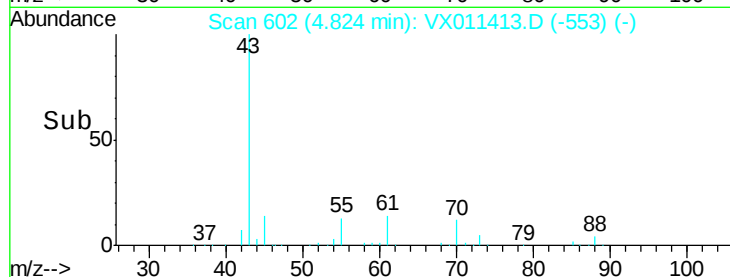
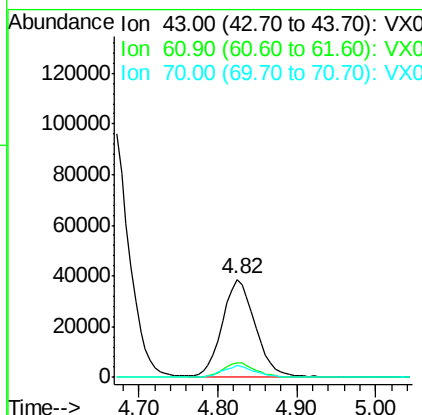
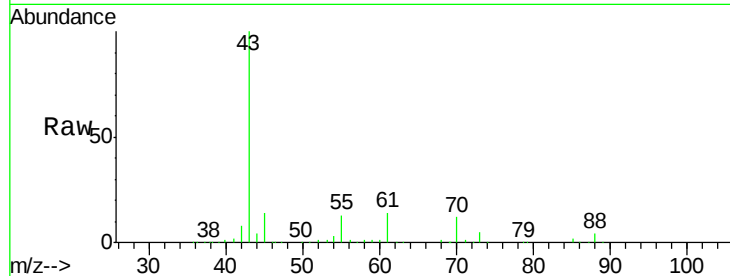
#37
Ethyl Acetate
Concen: 50.841 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.6	18.8
70	11.7	9.1	13.7

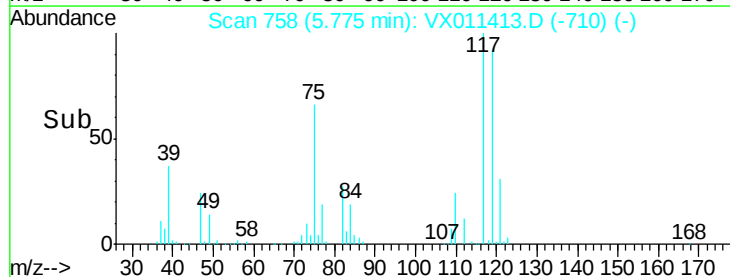
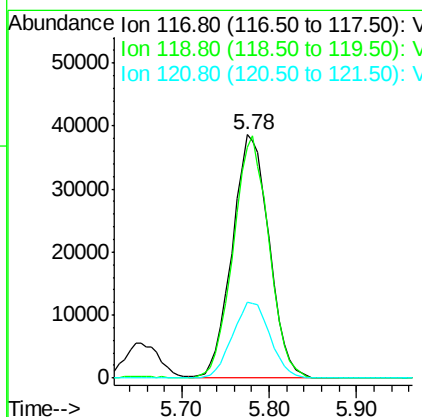
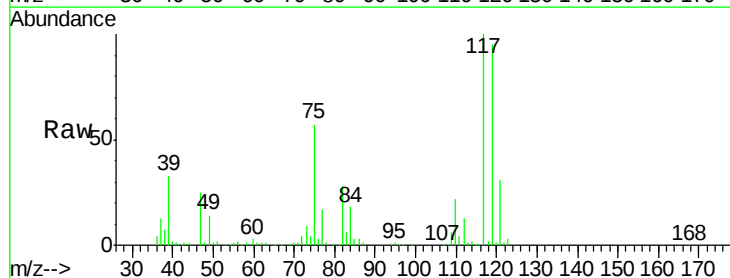
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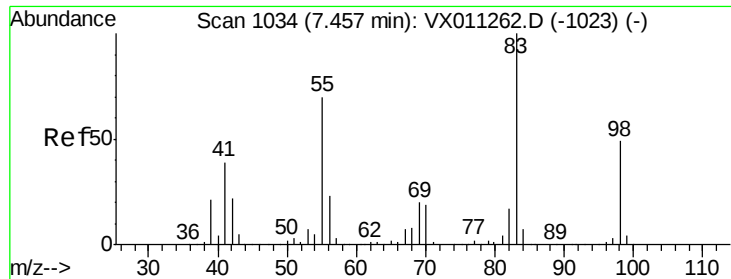
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#38
Carbon Tetrachloride
Concen: 51.163 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.0	118.4
121	31.0	25.9	38.9





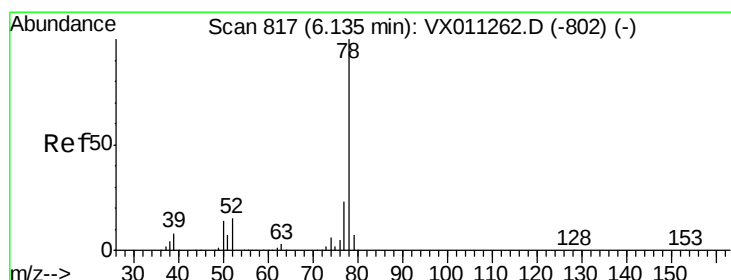
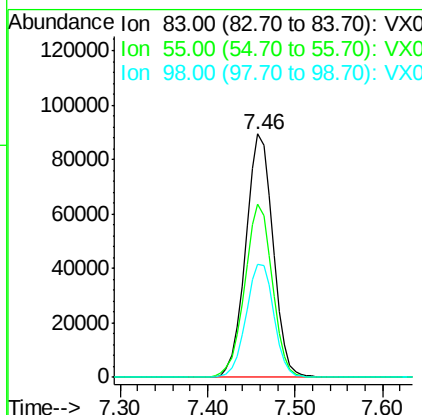
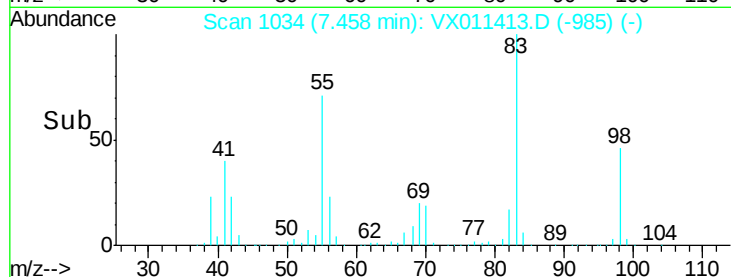
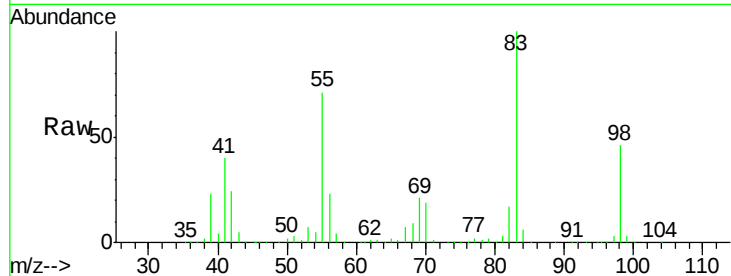
#39
Methvlcvclohexane
Concen: 74.095 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	192951		
55	70.9	56.1	84.1	
98	46.4	39.0	58.4	

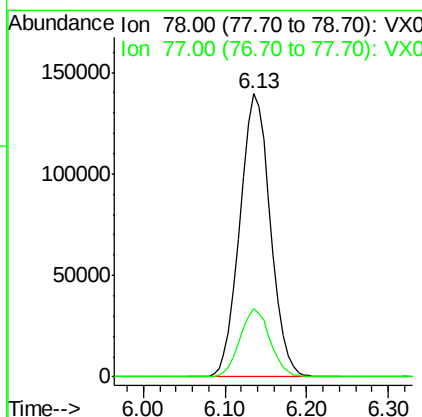
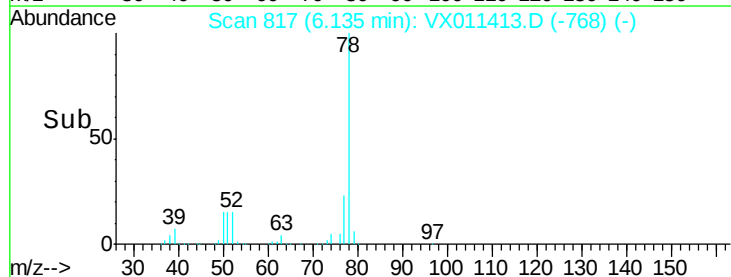
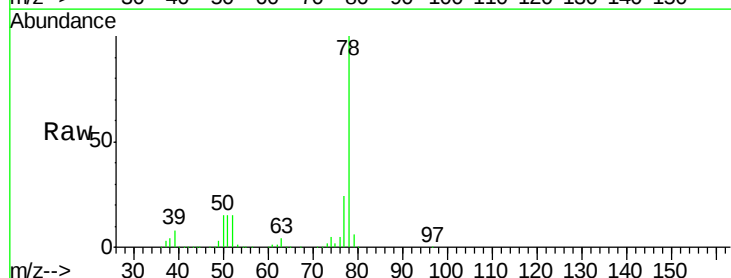
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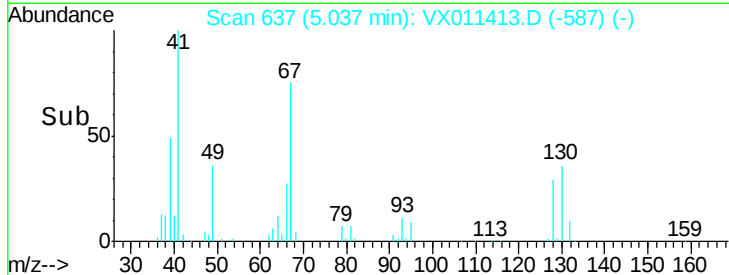
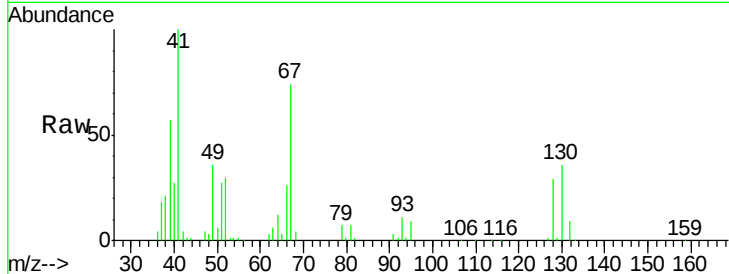
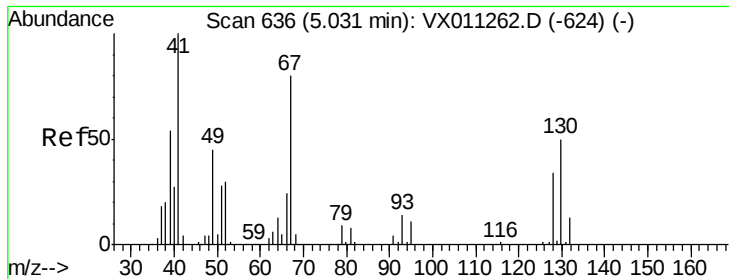
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#40
Benzene
Concen: 55.321 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	362676		
77	24.0	18.2	27.2	





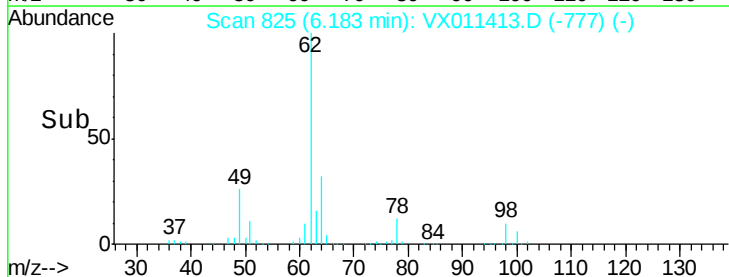
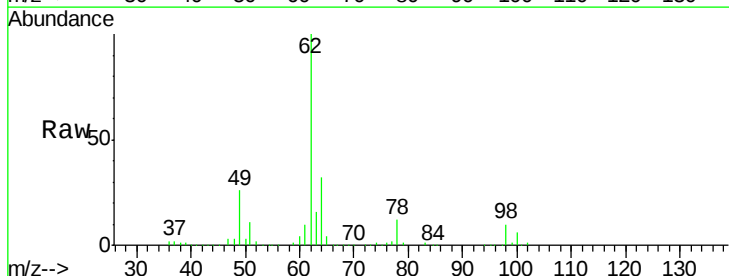
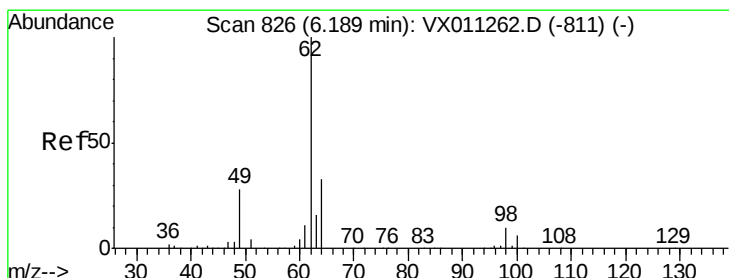
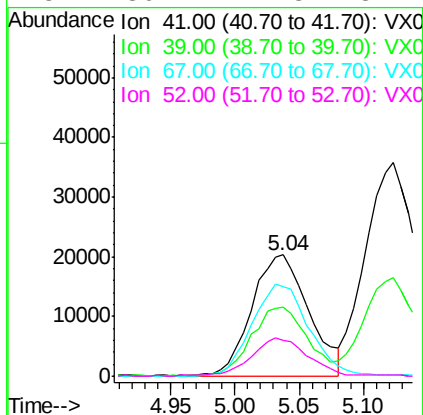
#41
Methacrylonitrile
Concen: 51.776 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tot Ion	41	Resp	62312
Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.0	64.6
67	76.2	65.1	97.7
52	30.4	24.8	37.2

Instrument :
MSVOA_X
ClientSampled :
Z3-0668MS

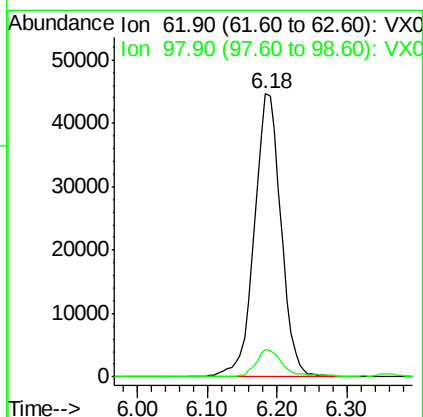
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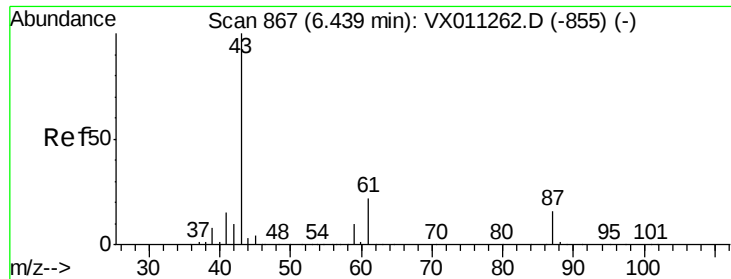
MMDadoda
8/12/2019 12:50:38 PM



#42
1,2-Dichloroethane
Concen: 53.337 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	62	Resp	118240
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 51.903 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

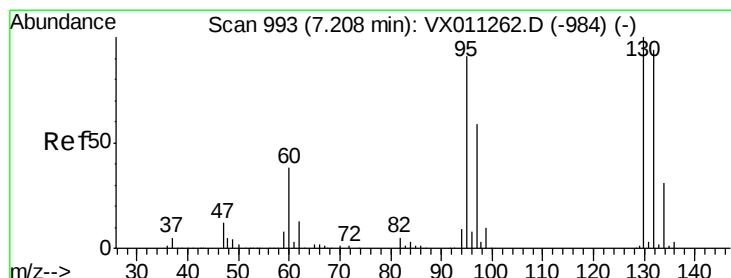
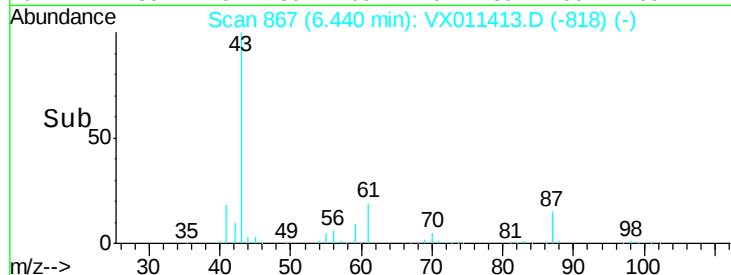
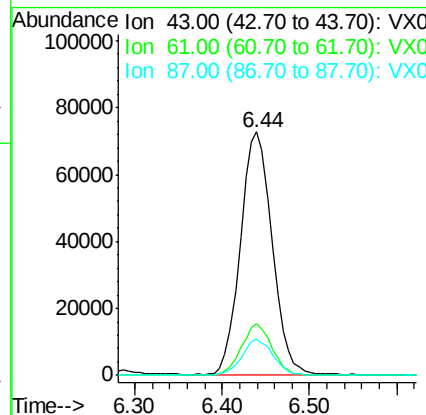
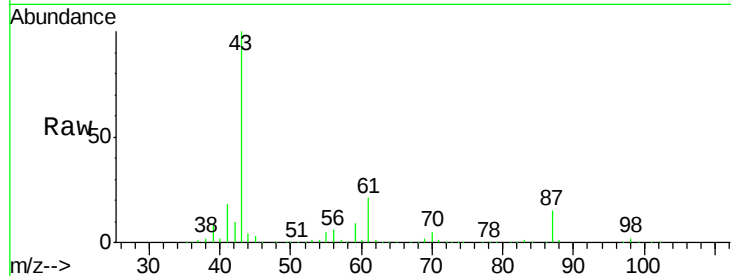
ClientSampled :

Z3-0668MS

Tot Ion:	43	Resp:	182863
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.5	24.7
87	14.7	12.1	18.1

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#44

Trichloroethene

Concen: 46.769 ug/l

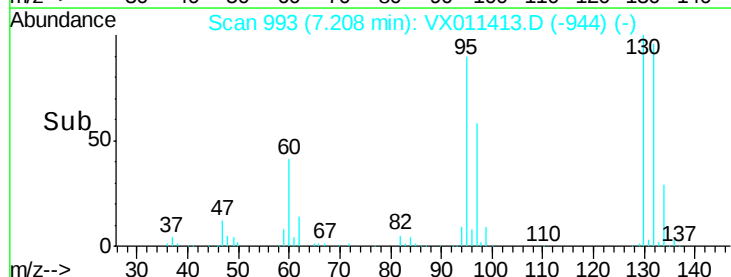
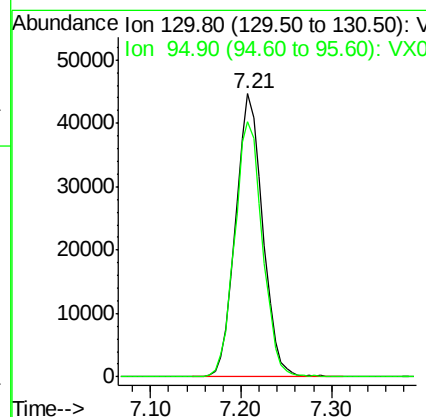
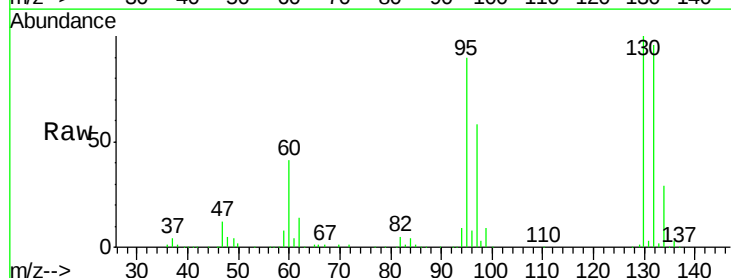
RT: 7.21 min Scan# 993

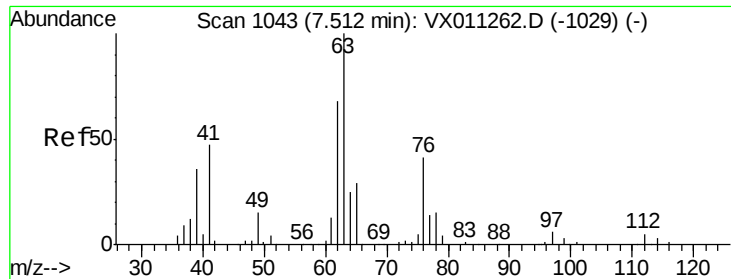
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	130	Resp:	92806
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	182.6





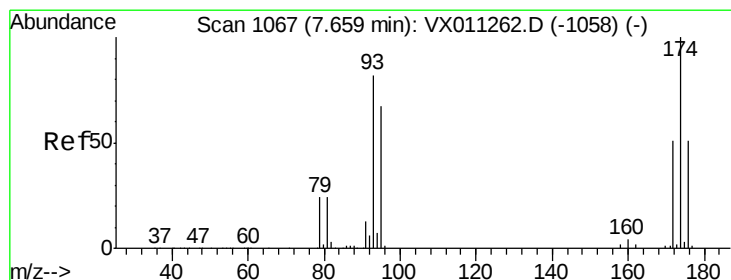
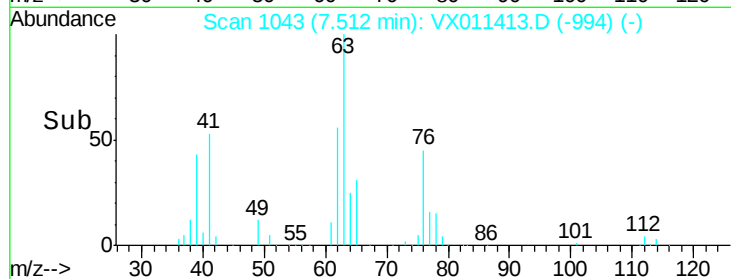
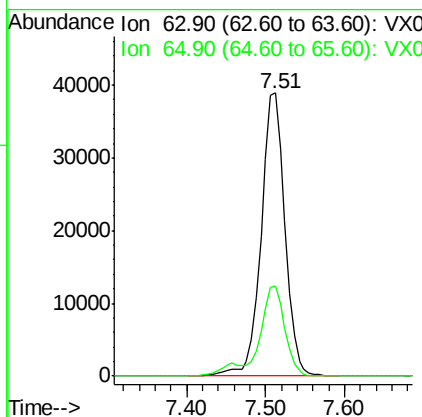
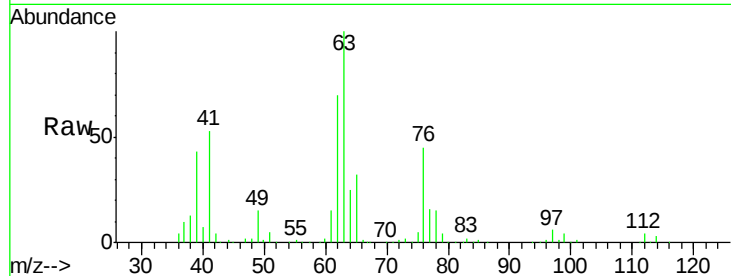
#45
 1,2-Dichloropropane
 Concen: 48.207 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668MS

Tot Ion: 63 Resp: 81848
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.3 34.9

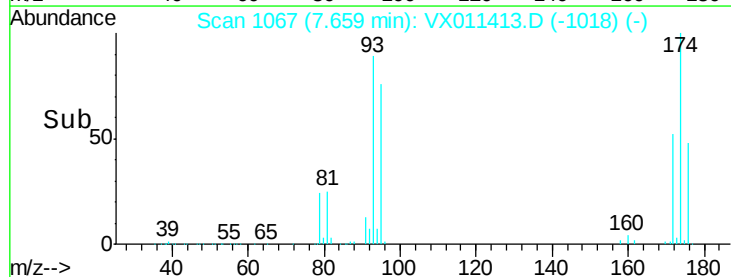
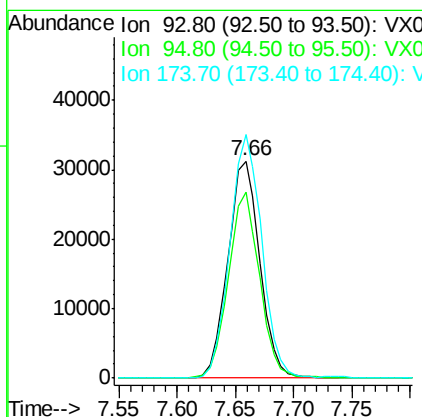
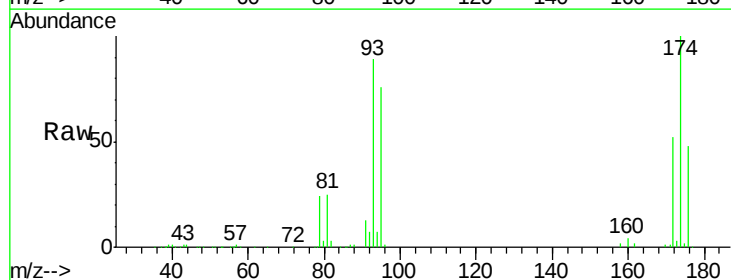
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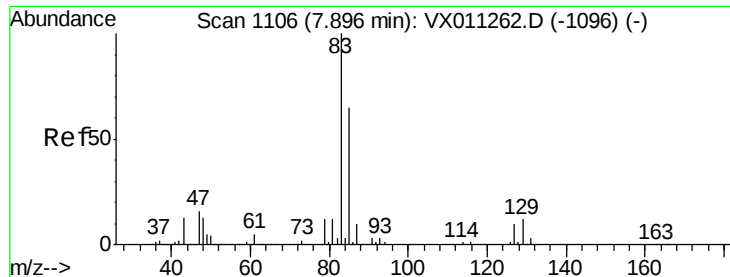
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#46
 Dibromomethane
 Concen: 48.380 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Tgt Ion: 93 Resp: 59964
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 111.6 93.4 140.2





#47

Bromodichloromethane

Concen: 52.506 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

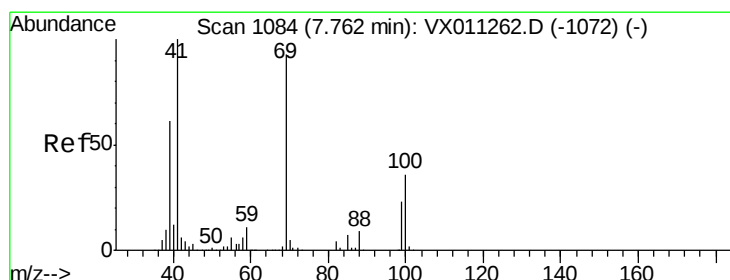
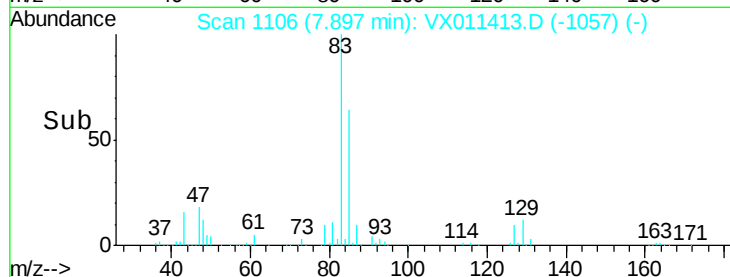
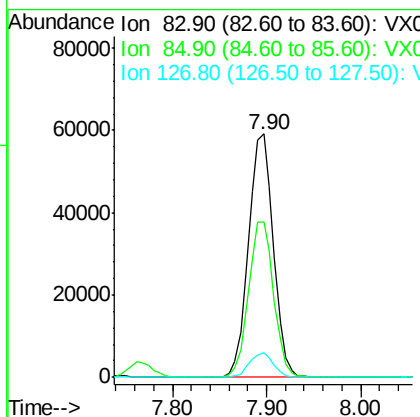
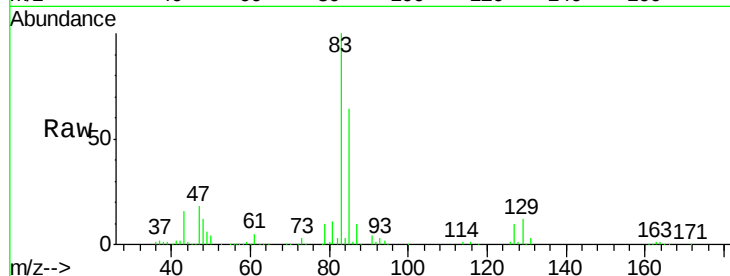
ClientSampleId :

Z3-0668MS

Tot Ion:	83	Resp:	110184
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.2
127	10.2	7.8	11.8

Manual Integrations
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8/12/2019 12:50:38 PM



#48

Methyl methacrylate

Concen: 55.431 ug/l

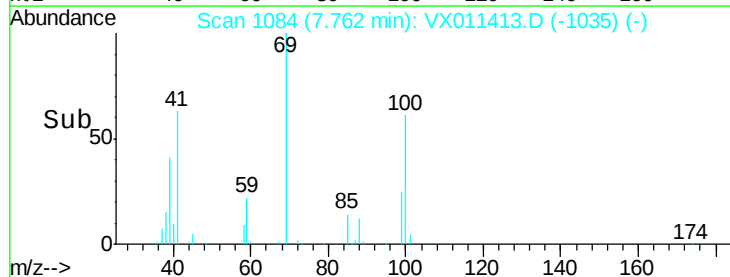
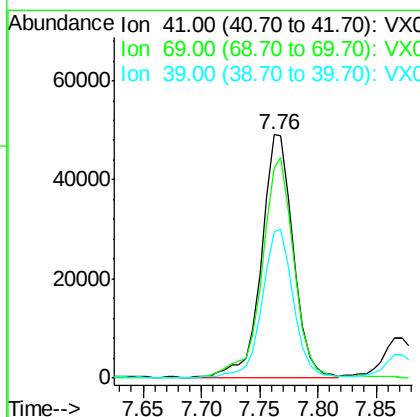
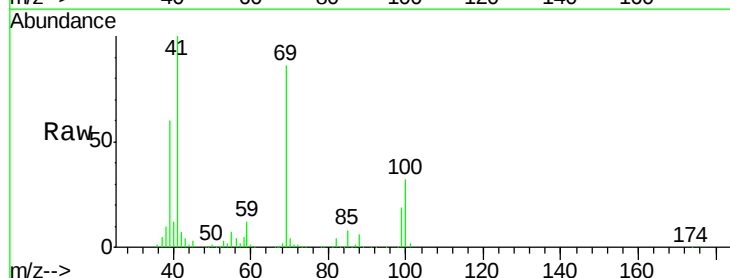
RT: 7.76 min Scan# 1084

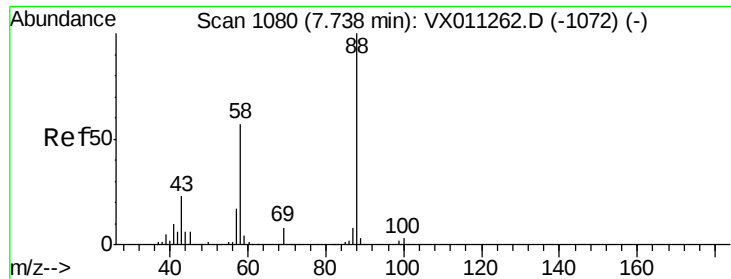
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	41	Resp:	91907
Ion	Ratio	Lower	Upper
41	100		
69	92.1	74.5	111.7
39	60.1	48.6	72.8





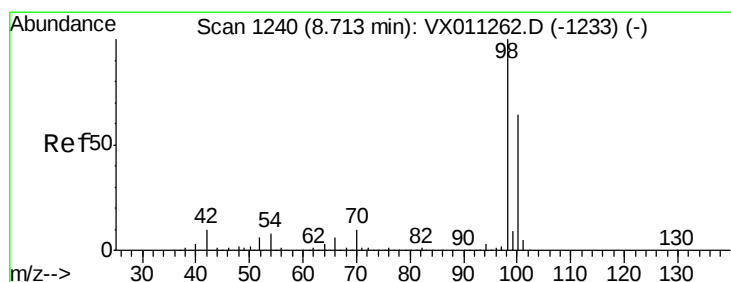
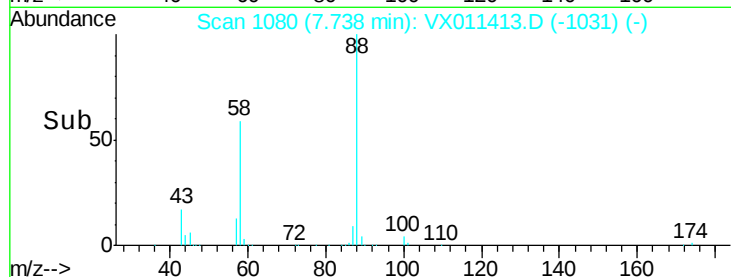
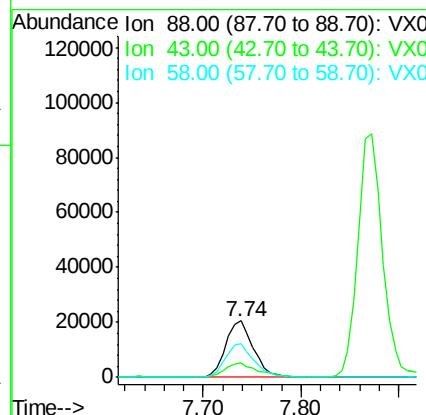
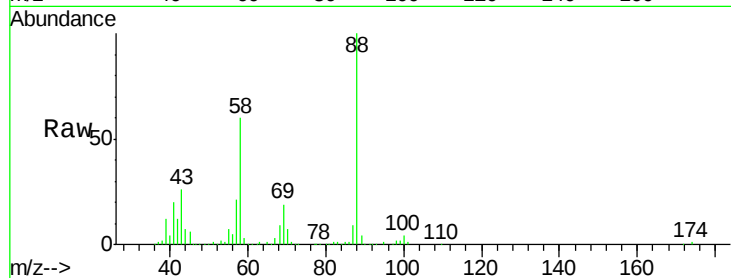
#49
1,4-Dioxane
Concen: 838.345 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.2	33.2
58	62.5	47.8	71.8

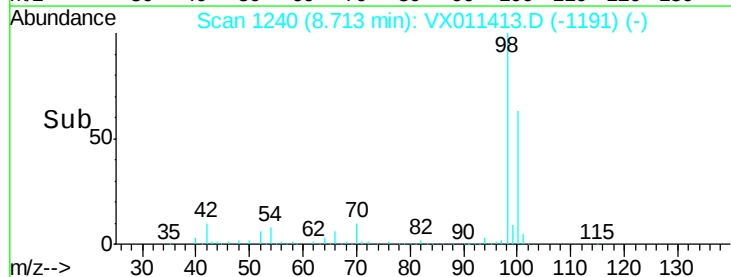
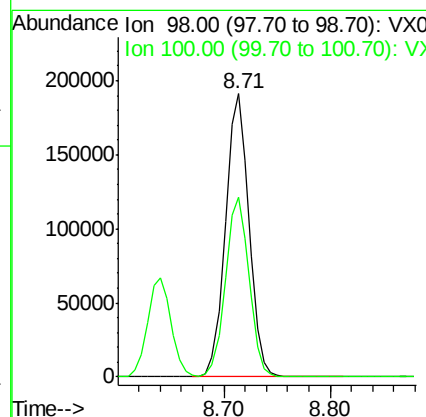
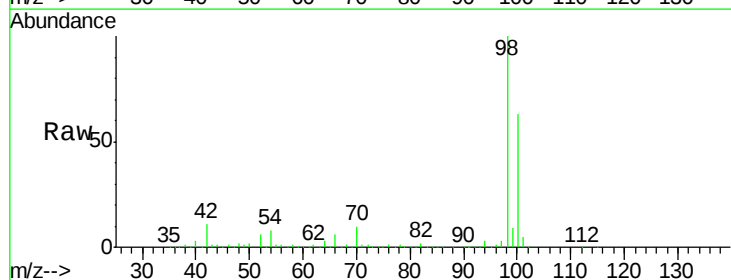
Manual Integrations
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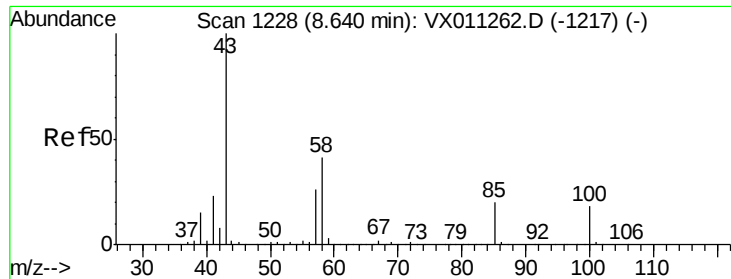
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8/12/2019 12:50:38 PM



#50
Toluene-d8
Concen: 47.256 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 264.348 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

Z3-0668MS

Tot Ion: 43 Resp: 601055

Ion Ratio Lower Upper

43 100

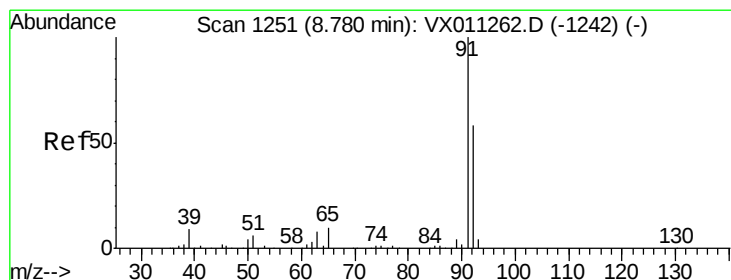
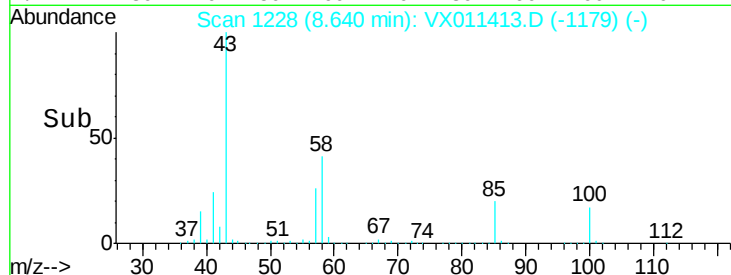
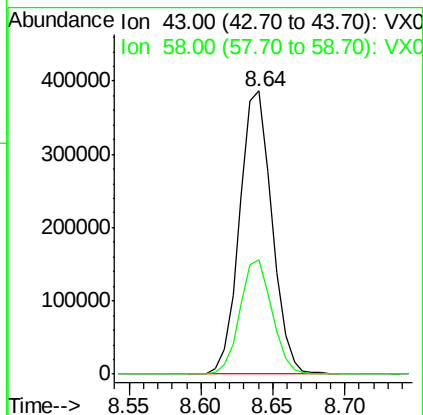
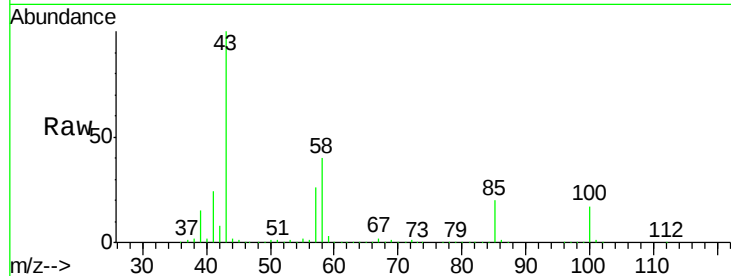
58 40.0 32.3 48.5

Manual Integrations

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8/12/2019 12:50:38 PM



#52

Toluene

Concen: 48.546 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011413.D

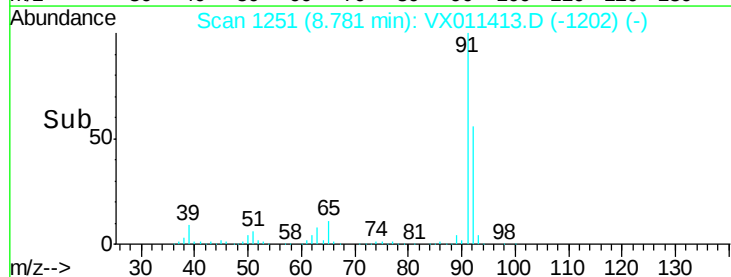
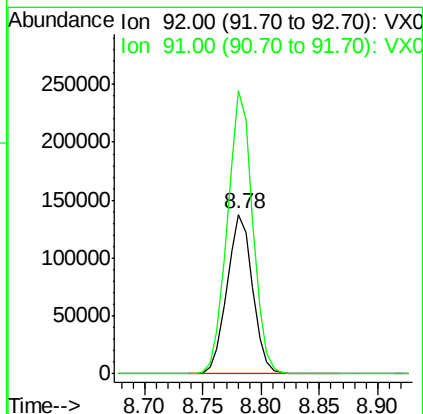
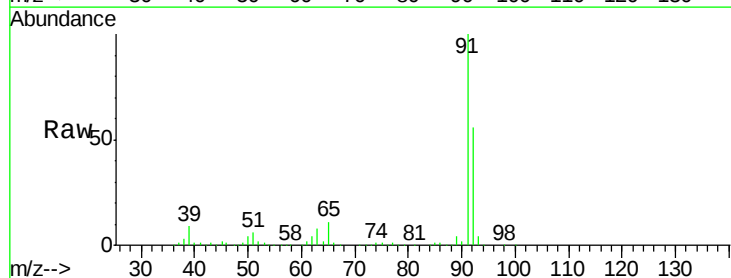
Acq: 09 Aug 2019 16:29

Tgt Ion: 92 Resp: 210421

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.0





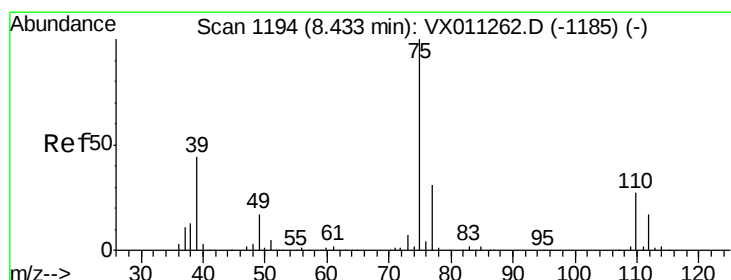
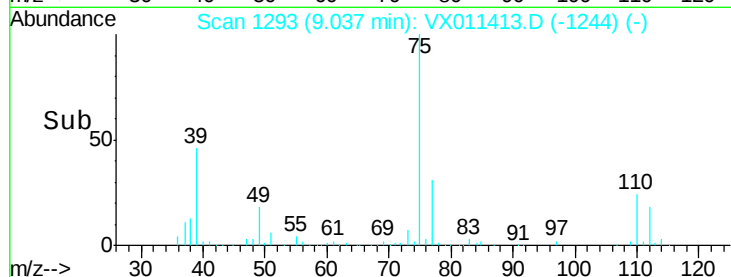
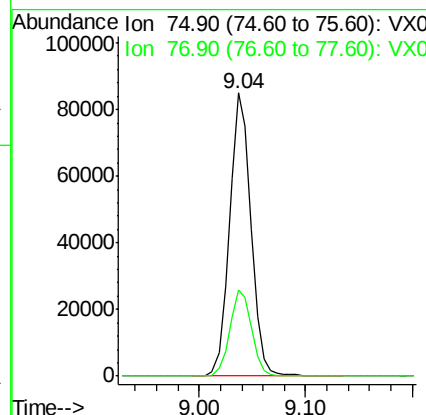
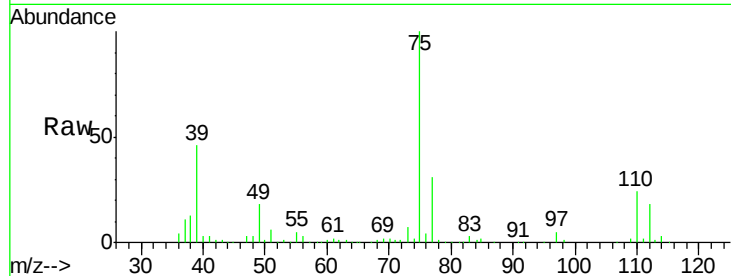
#53
t-1,3-Dichloropropene
Concen: 48.848 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion: 75 Resp: 119209
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0

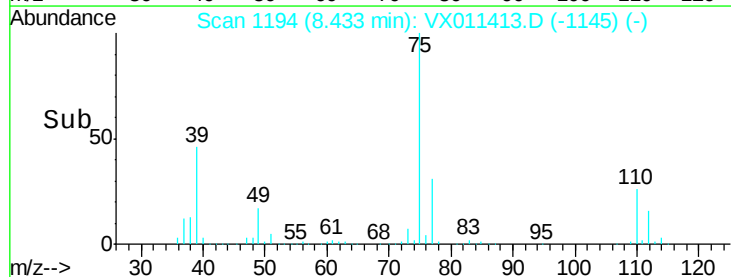
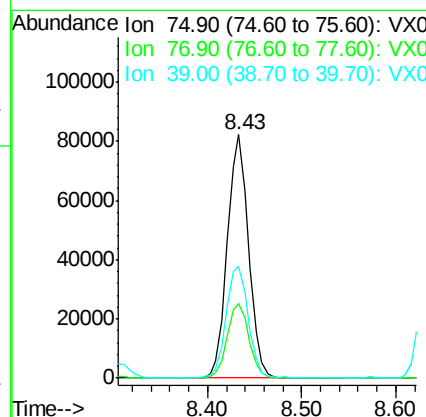
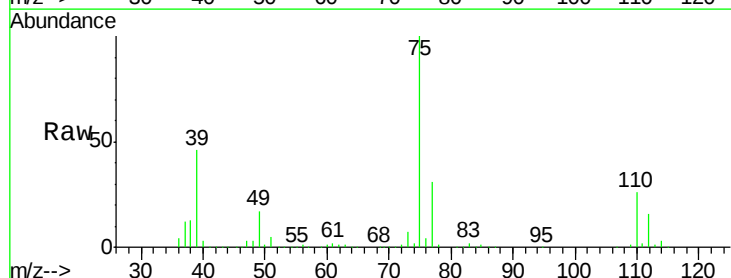
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#54
cis-1,3-Dichloropropene
Concen: 52.442 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion: 75 Resp: 128551
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6
39 45.9 35.3 52.9





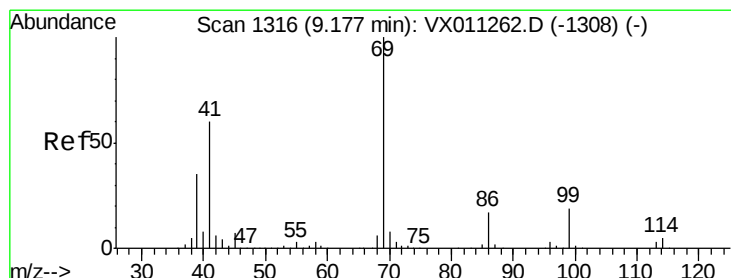
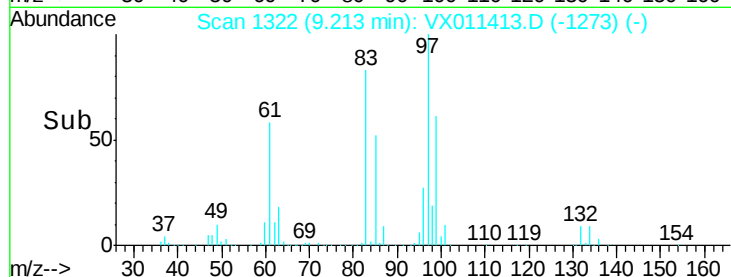
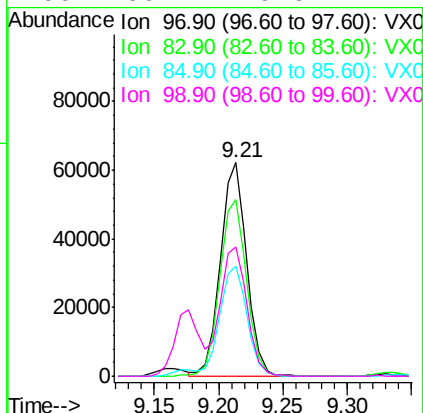
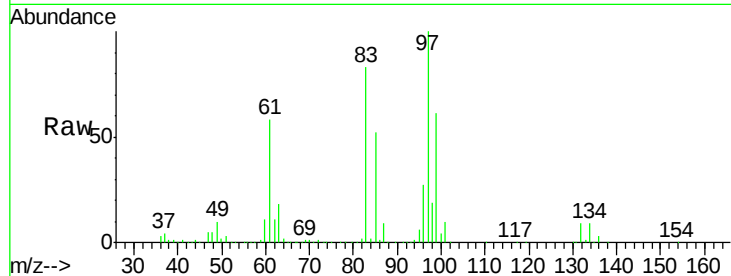
#55
 1,1,2-Trichloroethane
 Concen: 50.133 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668MS

Tot Ion:	97	Resp:	89344
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	51.5	43.4	65.0
99	60.7	49.6	74.4

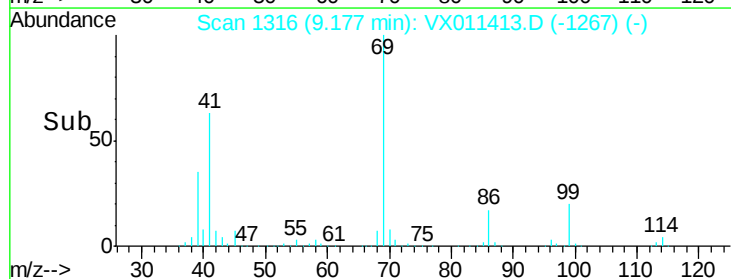
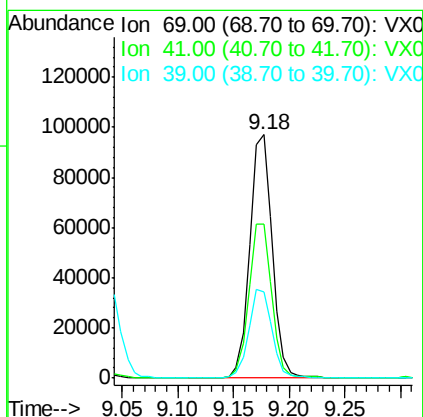
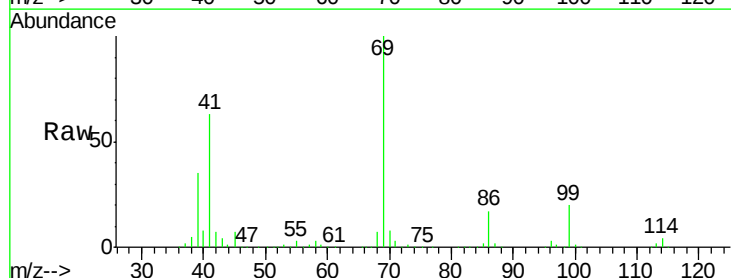
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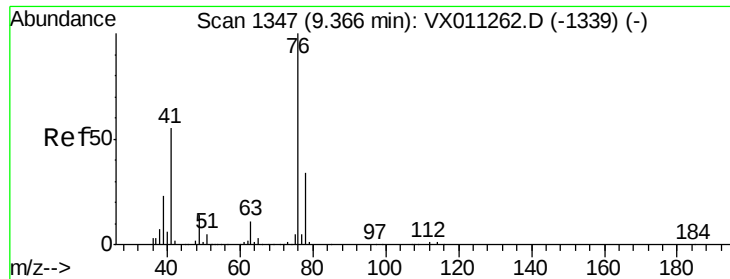
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#56
 Ethyl methacrylate
 Concen: 53.605 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Tgt Ion:	69	Resp:	136138
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.6	73.0
39	37.2	29.4	44.2





#57

1,3-Dichloropropane

Concen: 50.262 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

Z3-0668MS

Tot Ion: 76 Resp: 141661

Ion Ratio Lower Upper

76 100

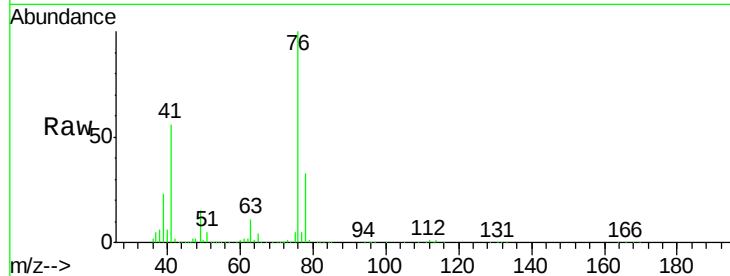
78 32.7 26.6 40.0

Manual Integrations

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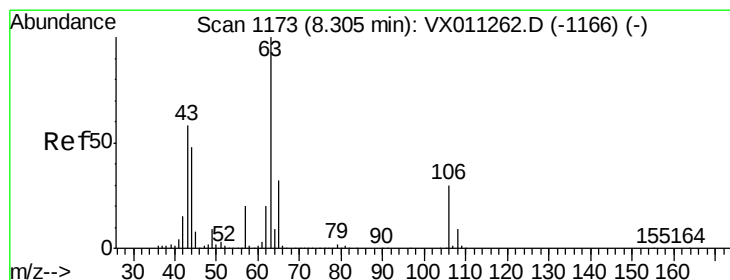
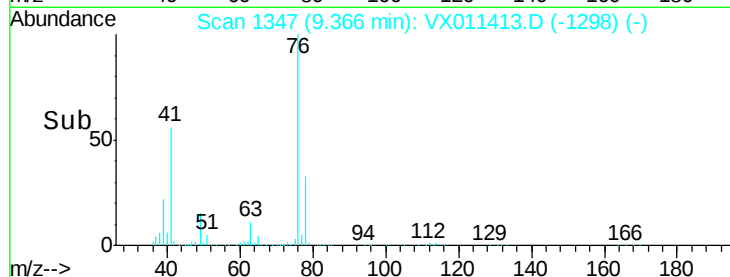
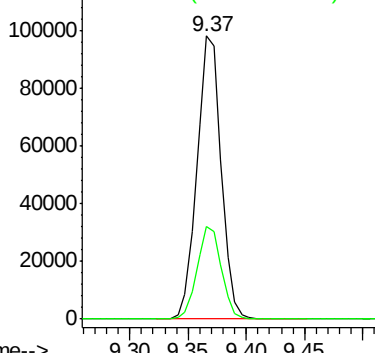
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 253.440 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011413.D

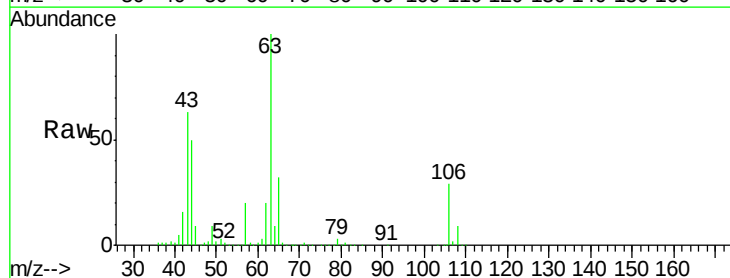
Acq: 09 Aug 2019 16:29

Tgt Ion: 63 Resp: 316479

Ion Ratio Lower Upper

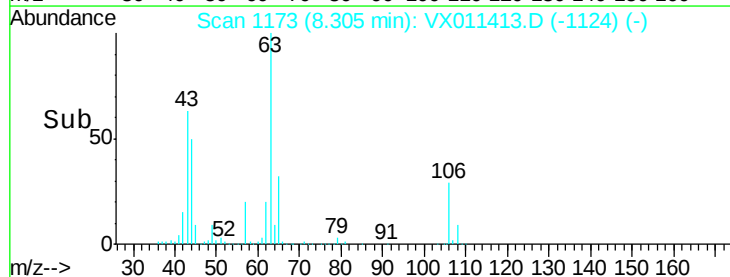
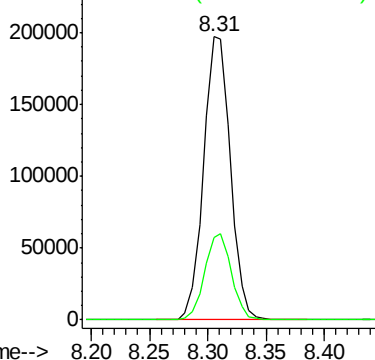
63 100

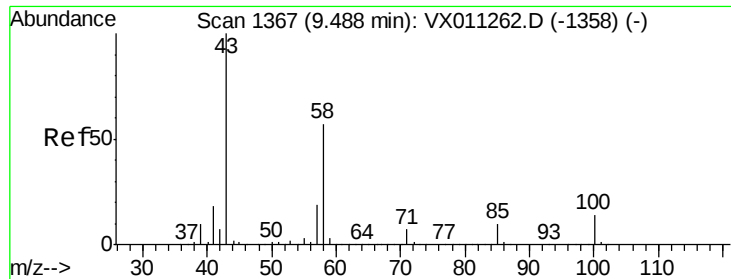
106 30.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





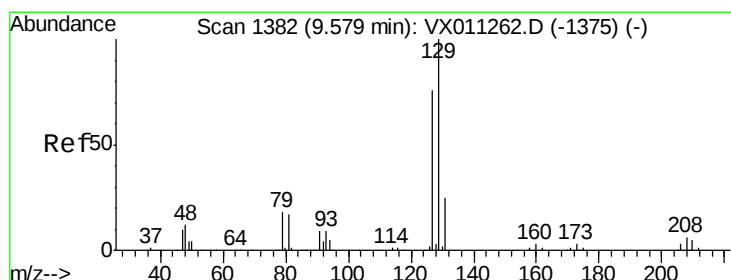
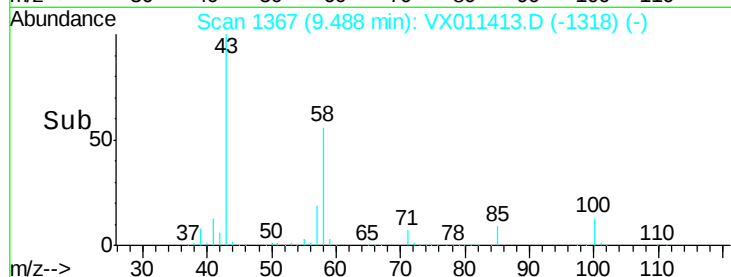
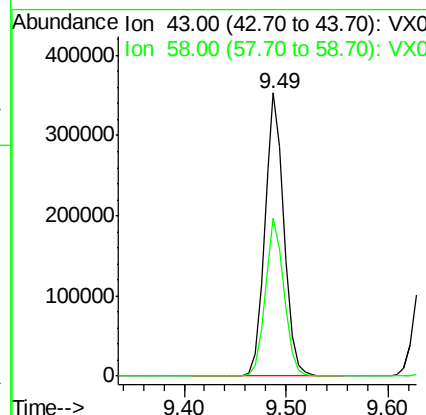
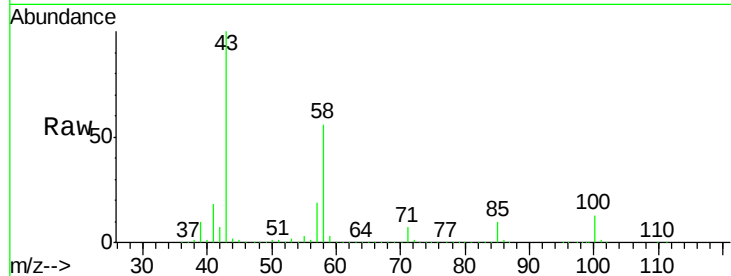
#59
2-Hexanone
Concen: 261.600 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.2	84.6

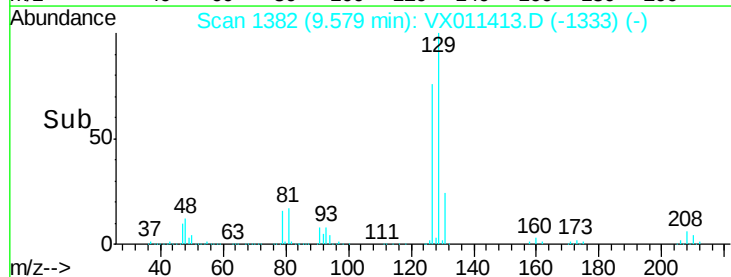
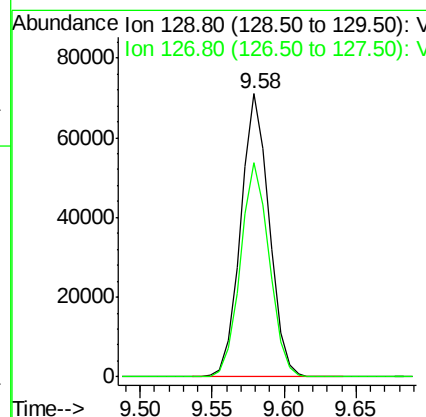
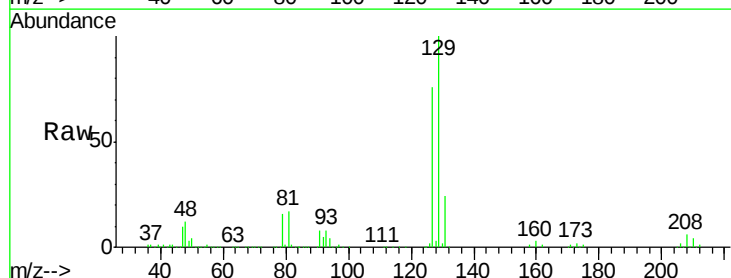
Manual Integrations
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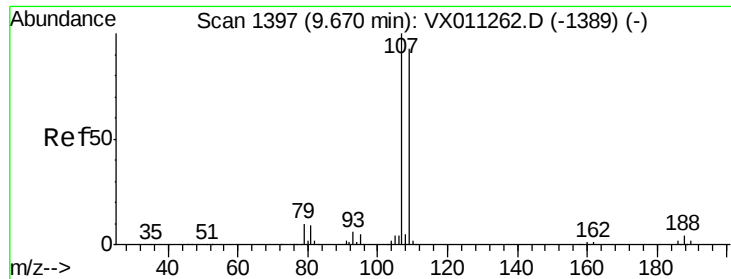
MMDadoda
8/12/2019 12:50:38 PM



#60
Dibromochloromethane
Concen: 53.490 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.2	117.6





#61

1,2-Dibromoethane

Concen: 50.200 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion:107 Resp: 96657

Ion Ratio Lower Upper

107 100

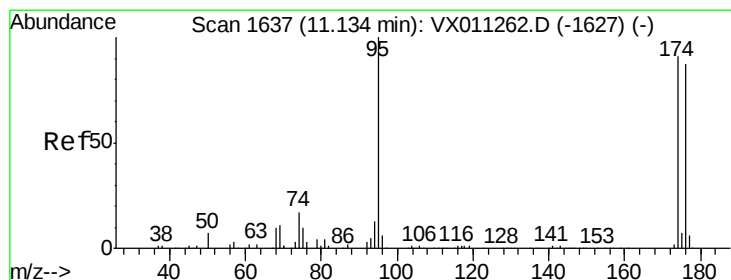
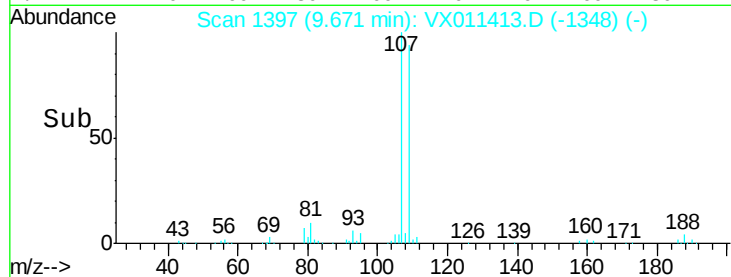
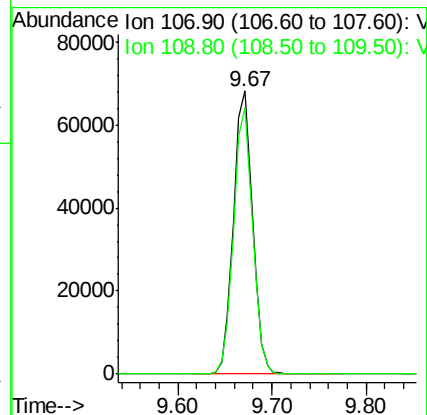
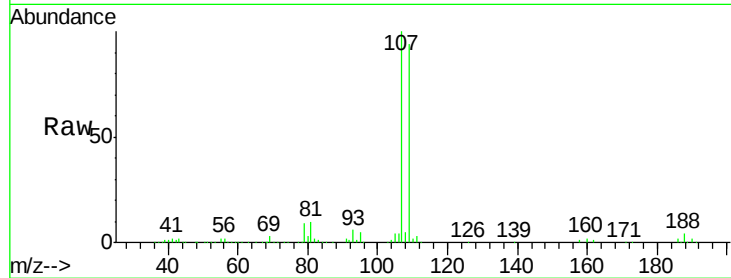
109 93.8 76.6 114.8

Manual Integrations

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8/12/2019 12:50:38 PM



#62

4-Bromofluorobenzene

Concen: 50.836 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

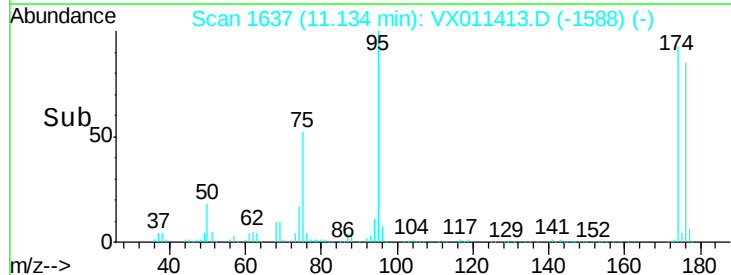
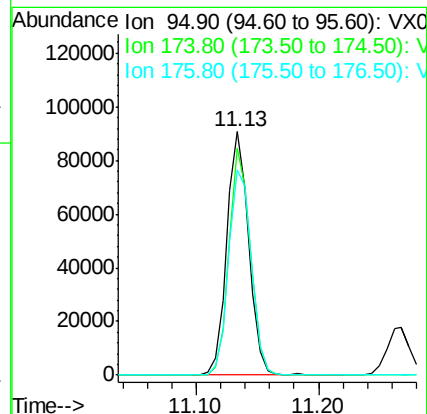
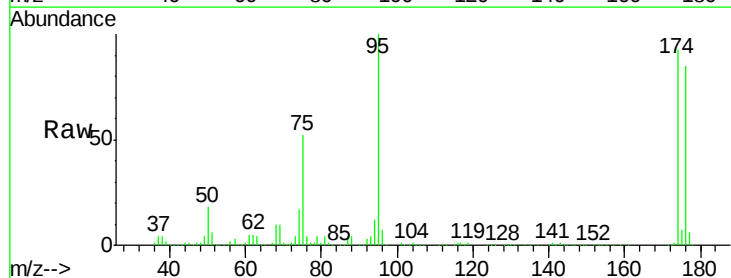
Tgt Ion: 95 Resp: 112550

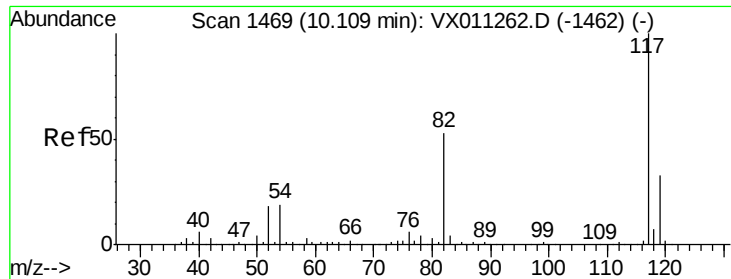
Ion Ratio Lower Upper

95 100

174 90.5 0.0 191.2

176 87.0 0.0 184.8





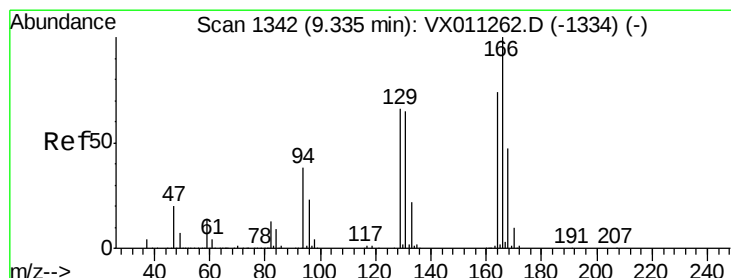
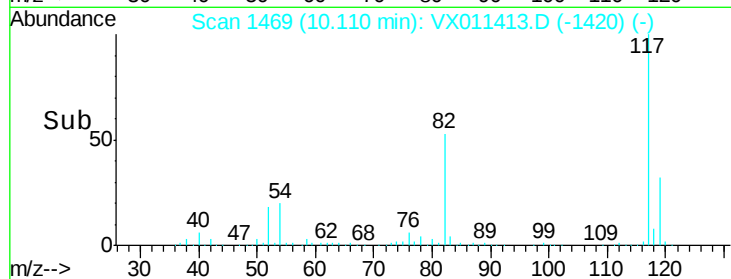
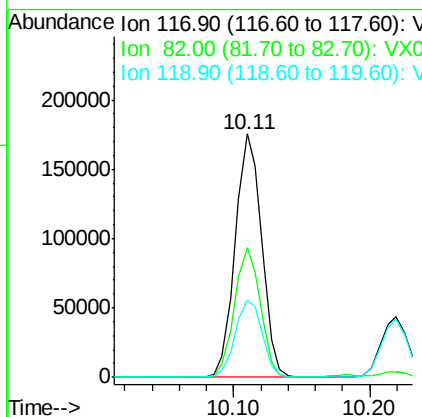
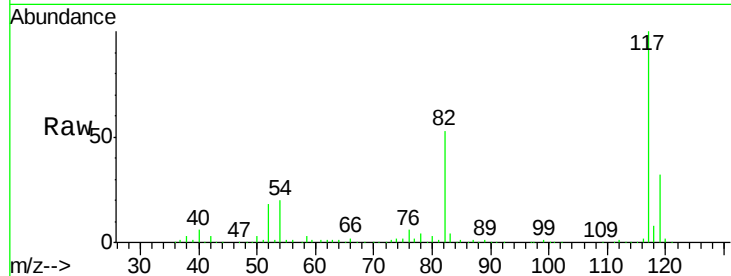
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236805		
82	53.1	42.2	63.2	
119	31.8	26.6	39.8	

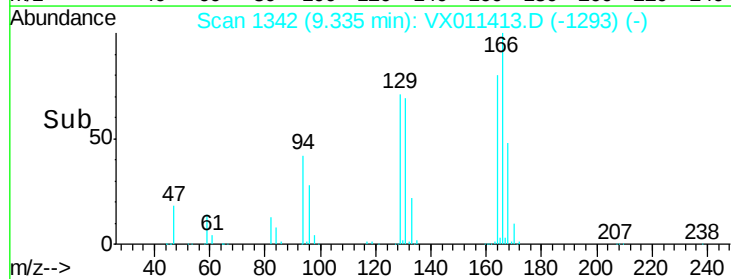
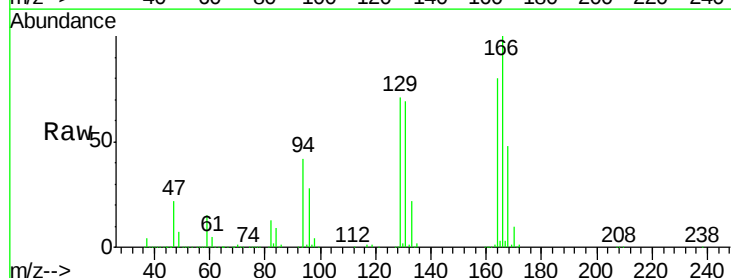
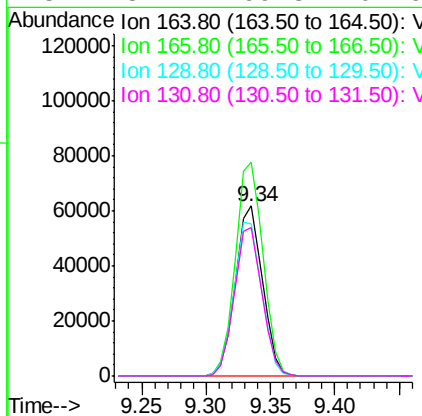
Manual Integrations
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#64
Tetrachloroethene
Concen: 45.240 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90979		
166	125.6	107.5	161.3	
129	89.6	71.0	106.4	
131	87.2	69.8	104.6	





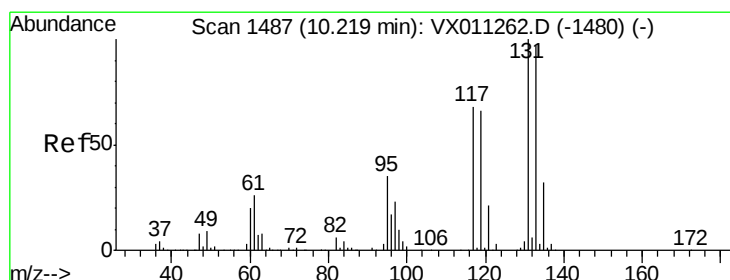
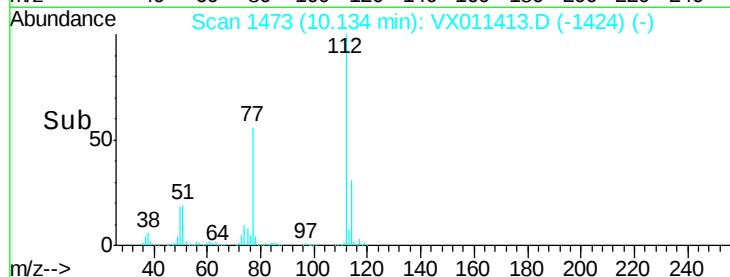
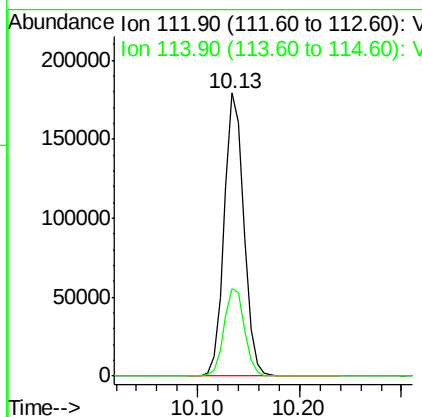
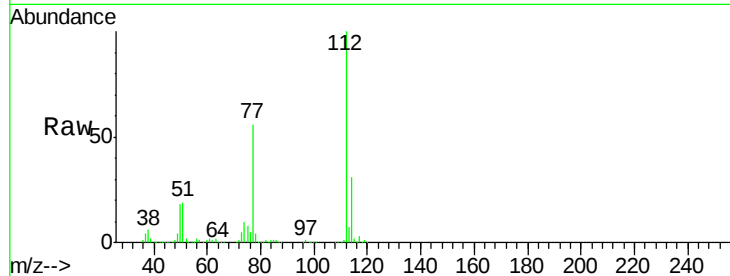
#65
Chlorobenzene
Concen: 47.020 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.9	38.9

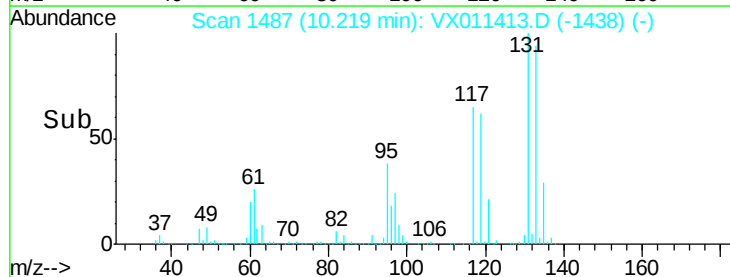
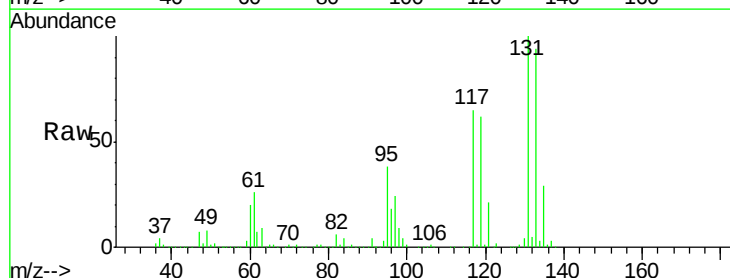
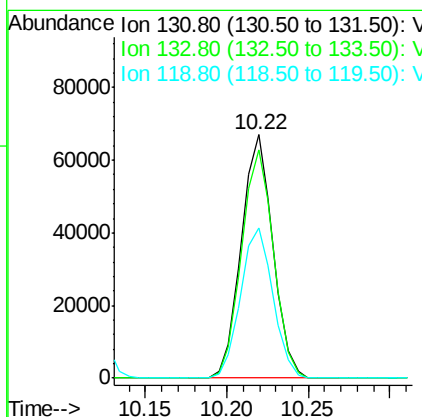
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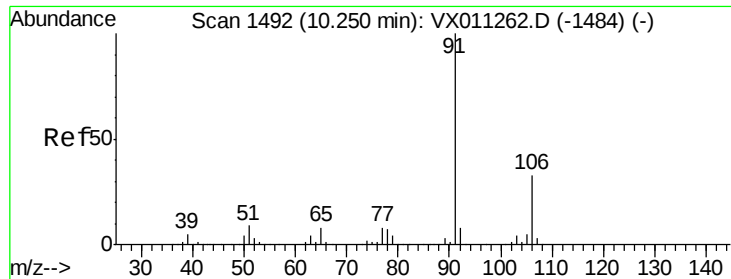
MMDadoda
8/12/2019 12:50:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.7	143.1
119	63.3	32.8	98.3





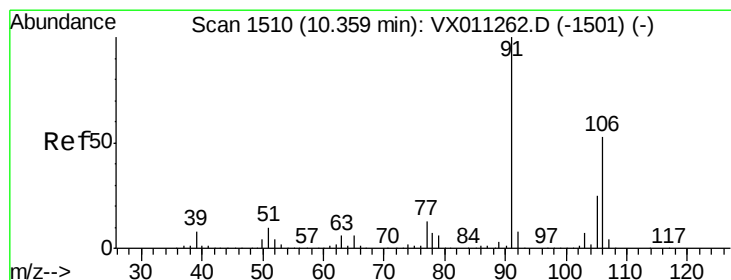
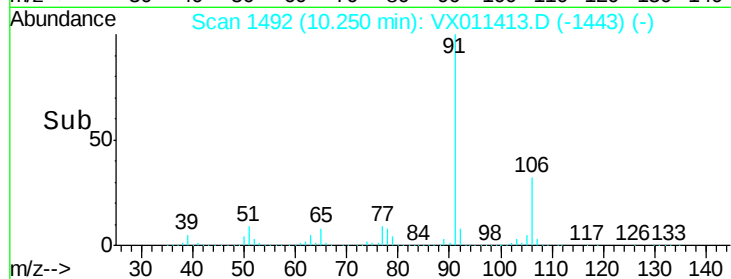
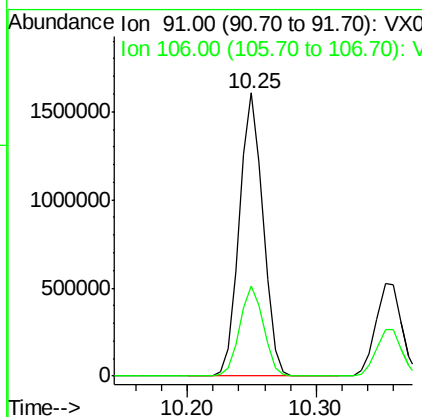
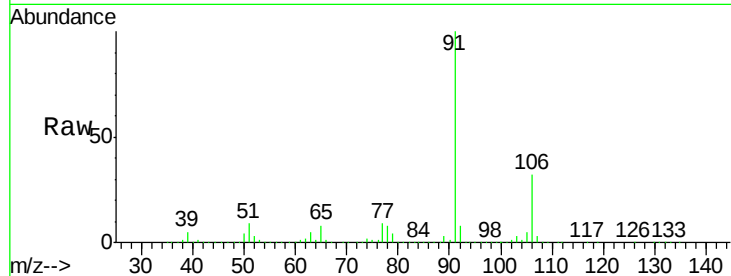
#67
Ethyl Benzene
Concen: 240.199 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion: 91 Resp: 2042503
Ion Ratio Lower Upper
91 100
106 31.6 26.2 39.4

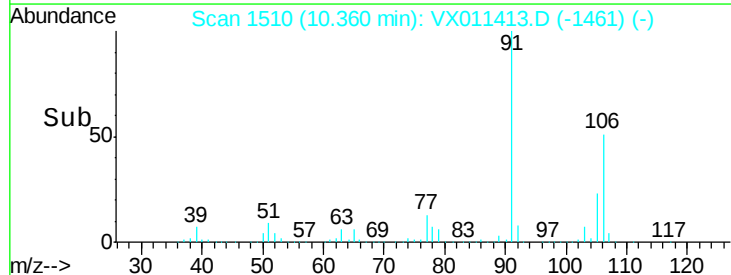
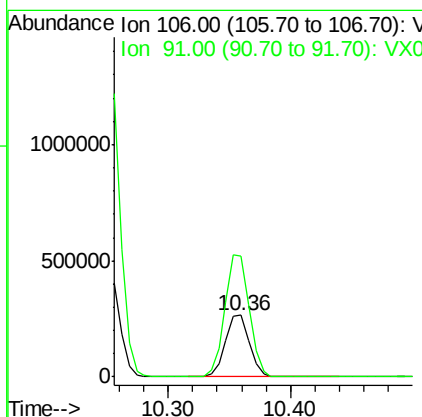
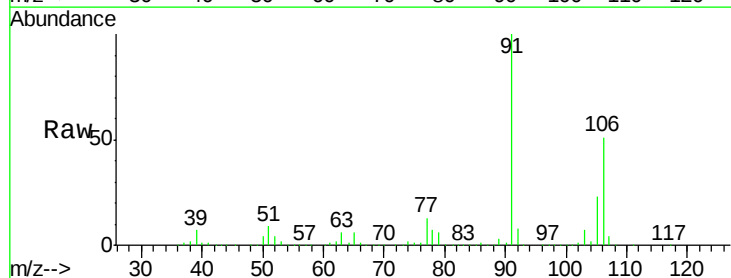
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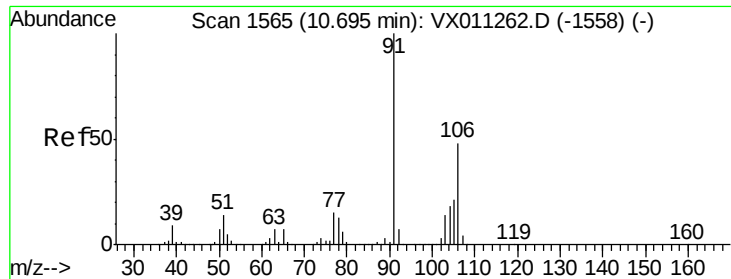
MMDadoda
8/12/2019 12:50:38 PM



#68
m/p-Xylenes
Concen: 109.843 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion: 106 Resp: 361285
Ion Ratio Lower Upper
106 100
91 200.1 155.9 233.9





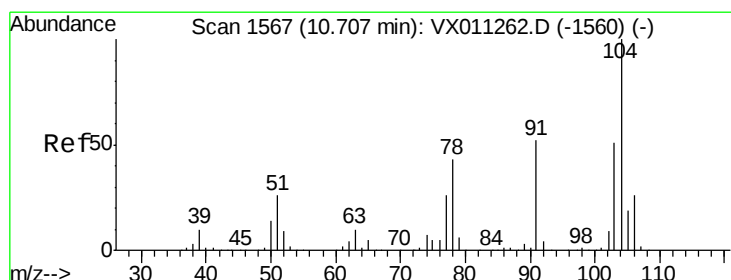
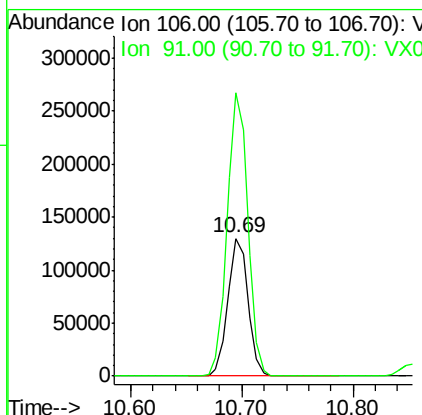
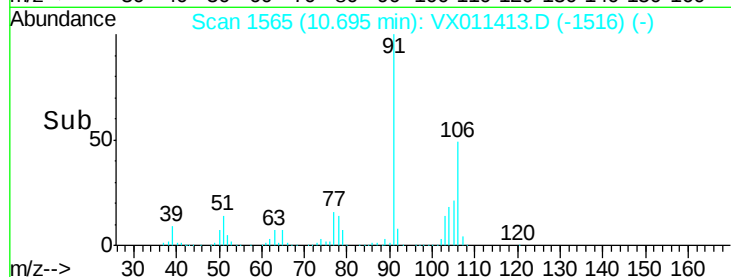
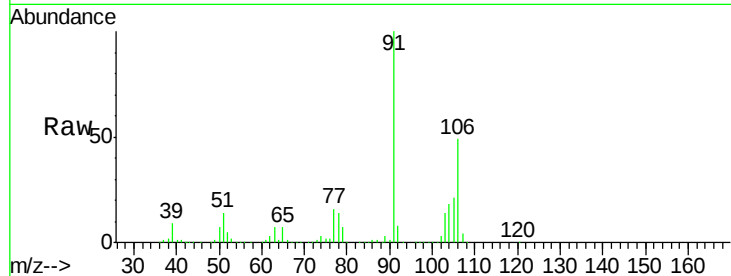
#69
o-Xylene
Concen: 50.675 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.4	103.8	163765	311.3	

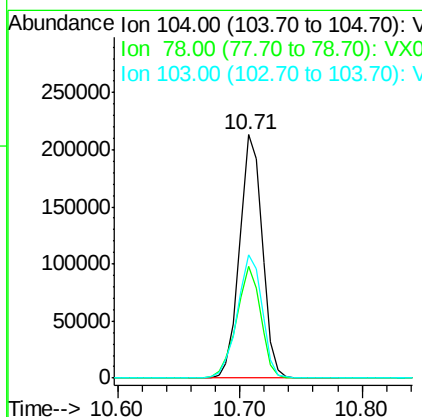
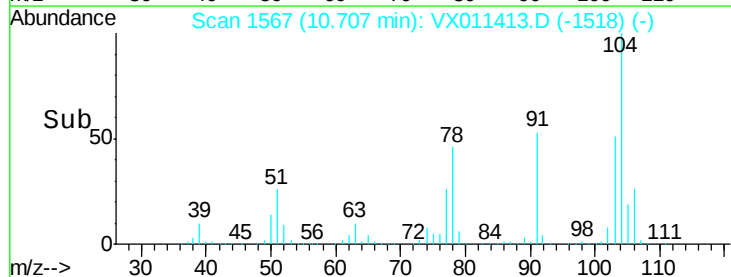
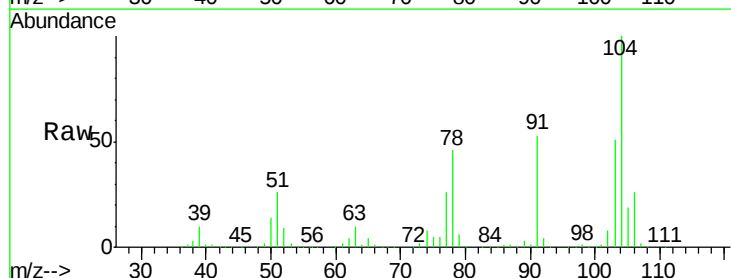
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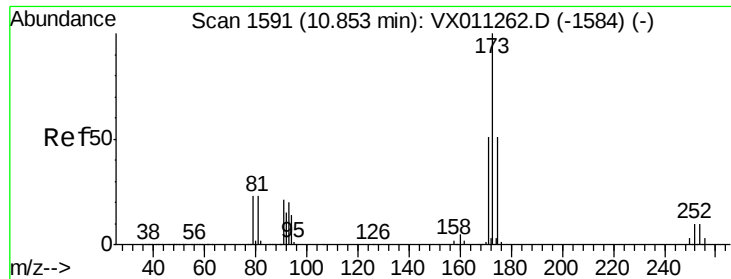
MMDadoda
8/12/2019 12:50:38 PM



#70
Styrene
Concen: 50.955 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.3	36.9	272468	55.3	
103	55.5	44.4		66.6	





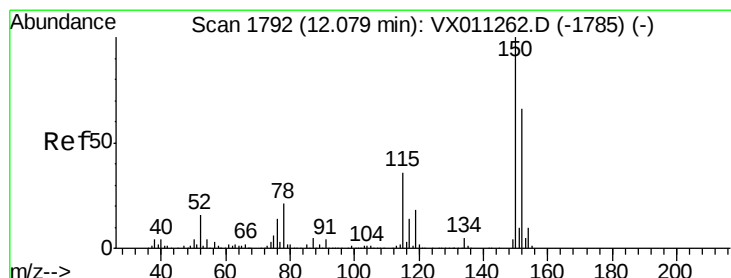
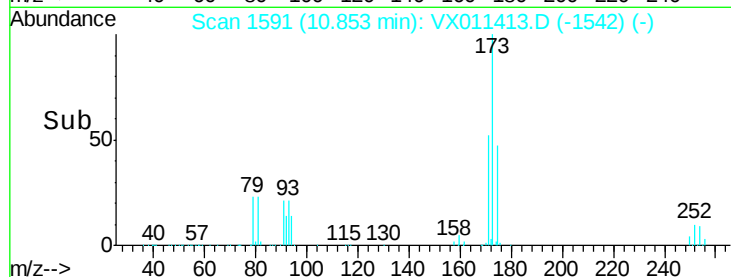
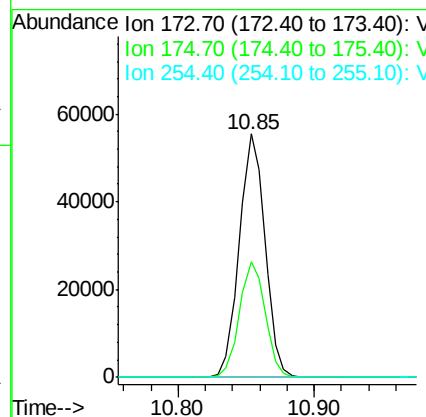
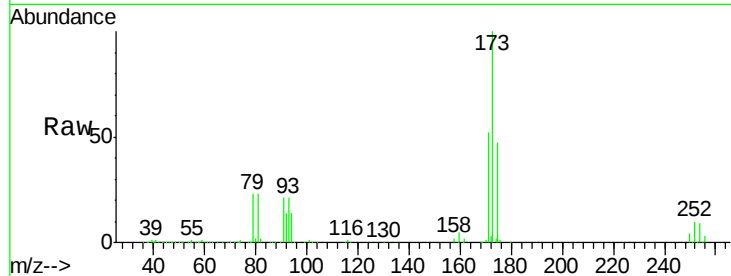
#71
Bromoform
Concen: 47.192 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.4
254	0.2	0.2	0.2

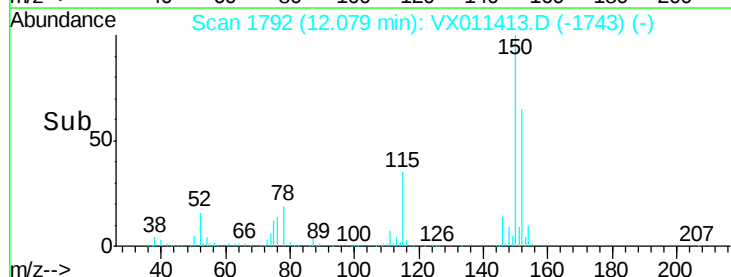
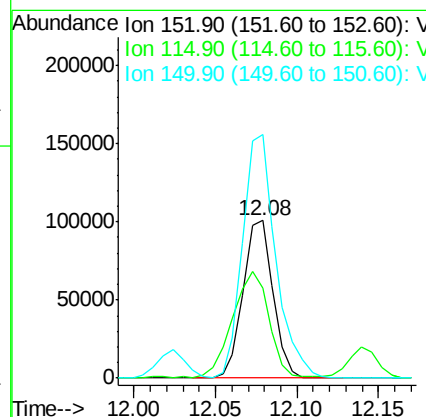
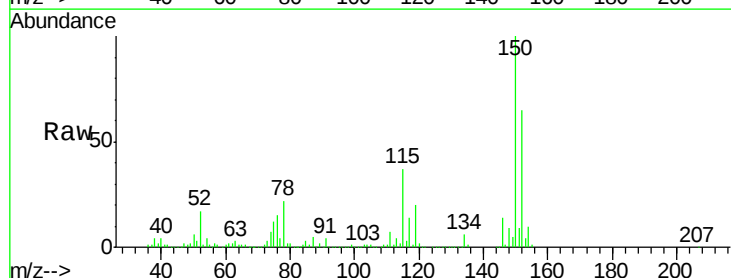
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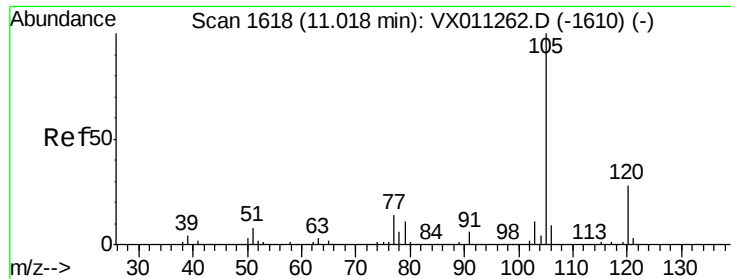
MMDadoda
8/12/2019 12:50:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.2	40.0	119.9
150	171.6	0.0	350.4





#73

Isopropylbenzene

Concen: 68.733 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleID :

Z3-0668MS

Tot Ion:105 Resp: 607097

Ion Ratio Lower Upper

105 100

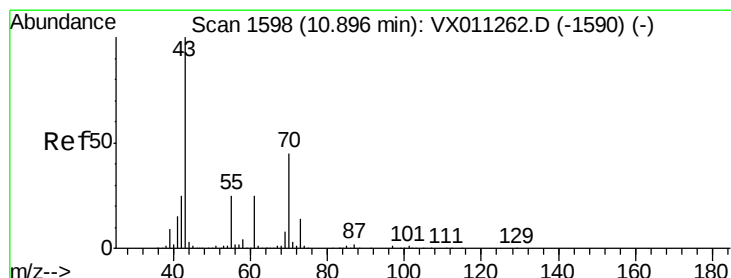
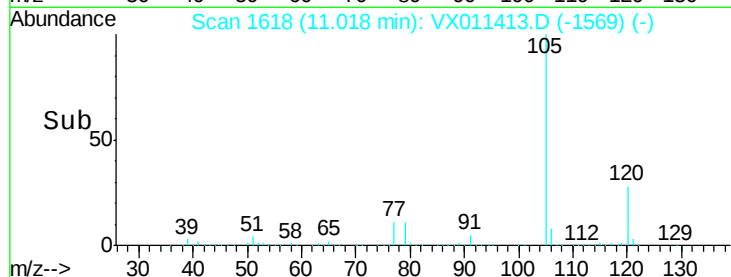
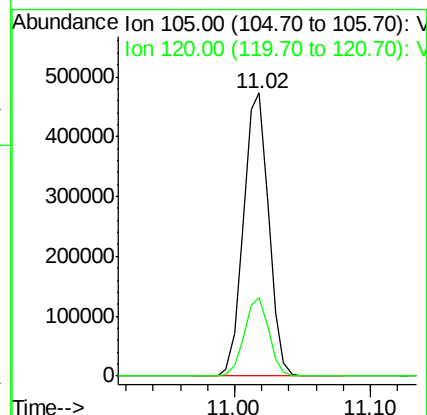
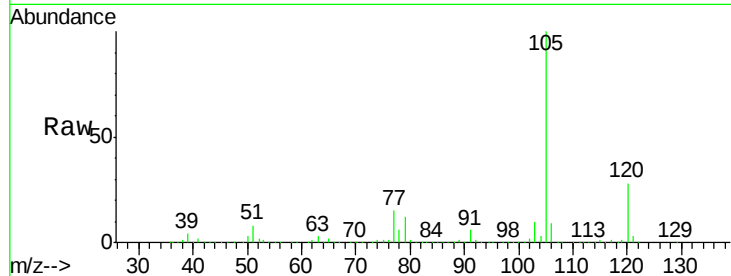
120 27.0 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.944 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion: 43 Resp: 168972

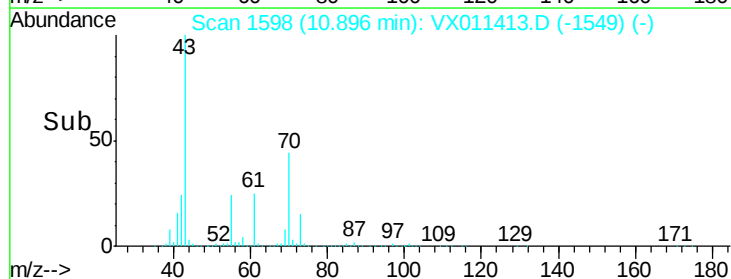
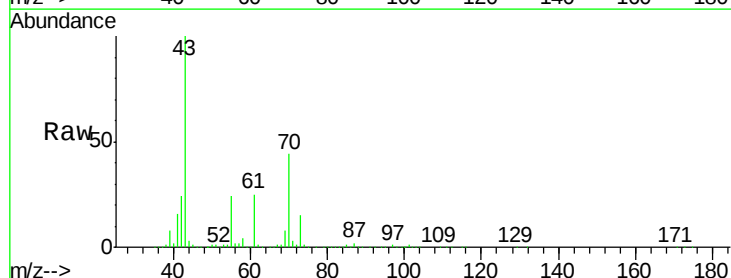
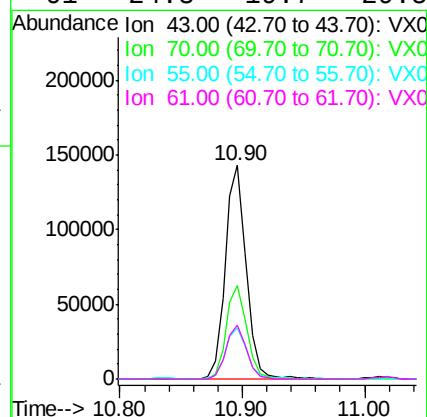
Ion Ratio Lower Upper

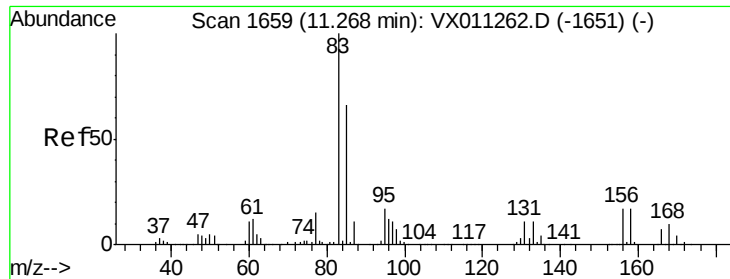
43 100

70 43.4 35.9 53.9

55 24.4 19.8 29.6

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.776 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

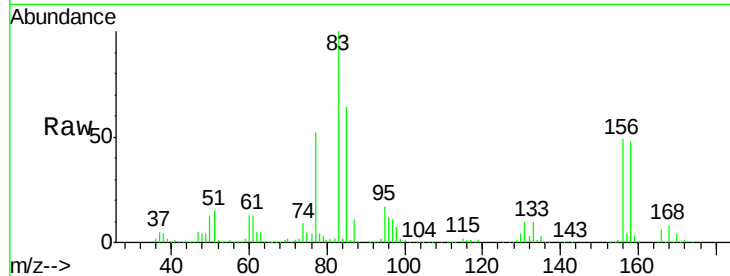
ClientSampled :

Z3-0668MS

Tot Ion:	83	Resp:	140629
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	65.4	32.1	96.5

Manual Integrations
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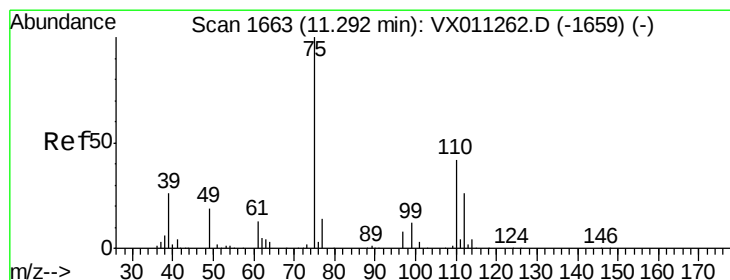
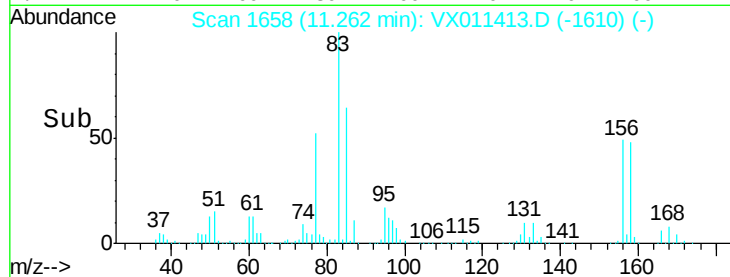
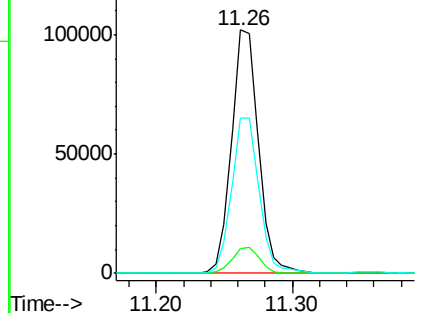
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.046 ug/l m

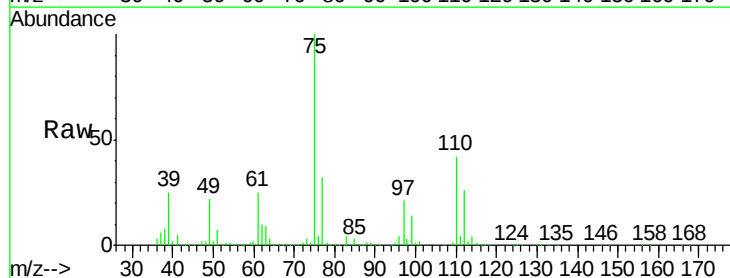
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011413.D

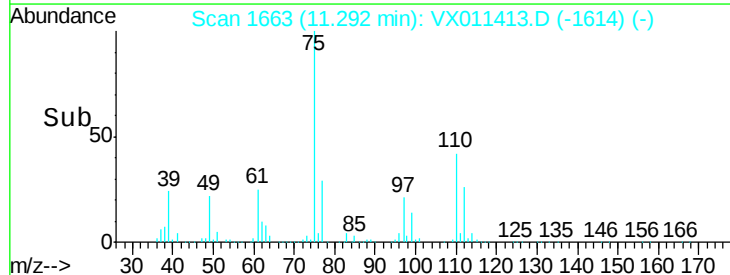
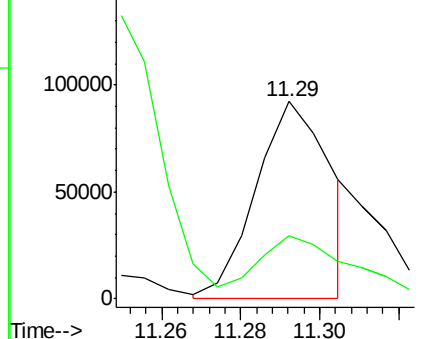
Acq: 09 Aug 2019 16:29

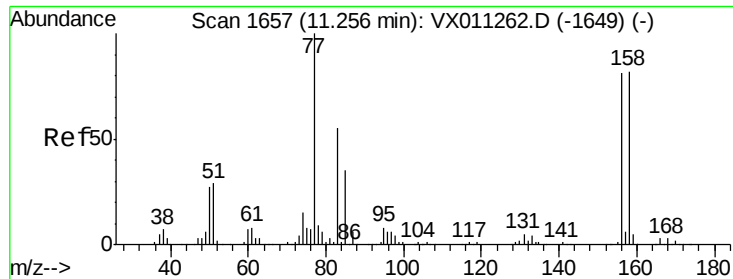
Tgt Ion:	75	Resp:	120055
Ion Ratio	Lower	Upper	
75	100		
77	41.1	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.832 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

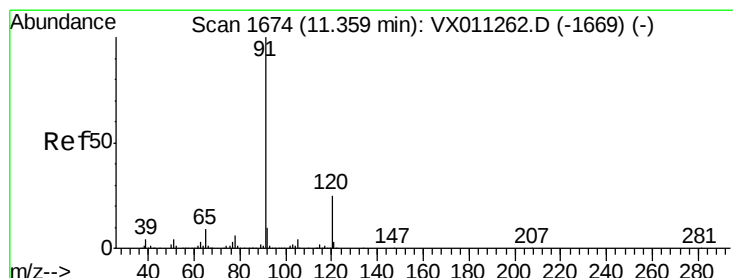
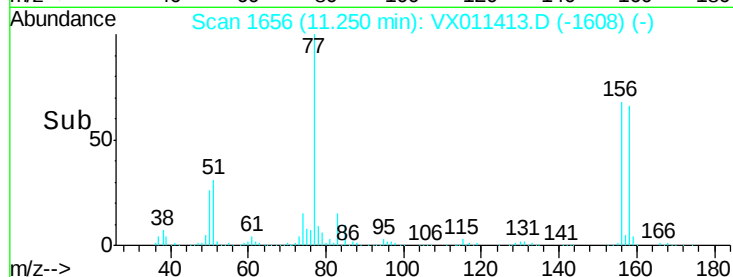
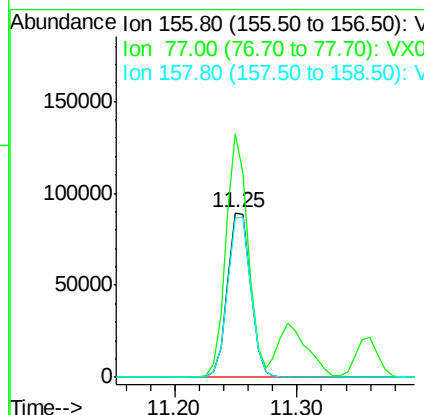
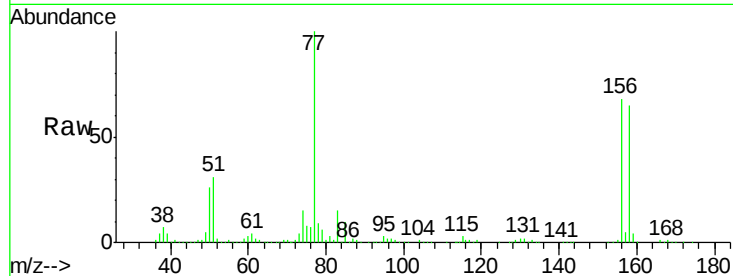
ClientSampleId :

Z3-0668MS

Tot Ion:	156	Resp:	117152
Ion Ratio	Lower	Upper	
156	100		
77	140.6	66.2	198.6
158	97.7	49.1	147.3

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#78

n-propylbenzene

Concen: 71.571 ug/l

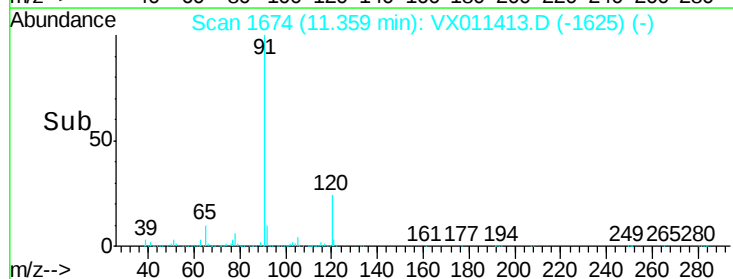
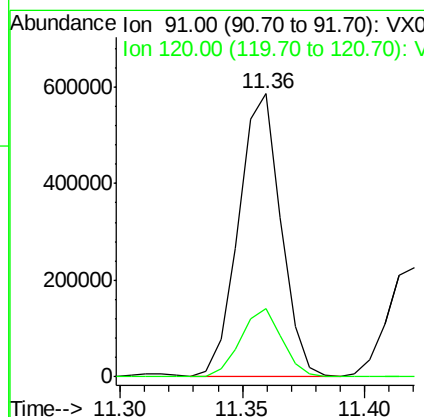
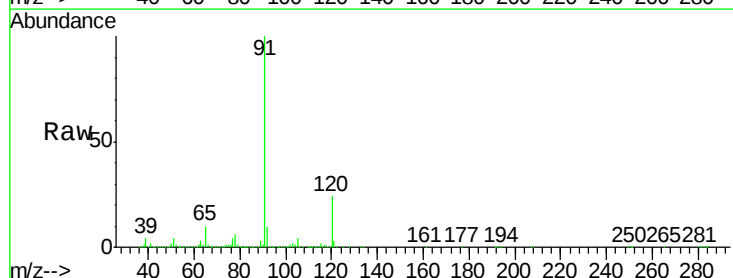
RT: 11.36 min Scan# 1674

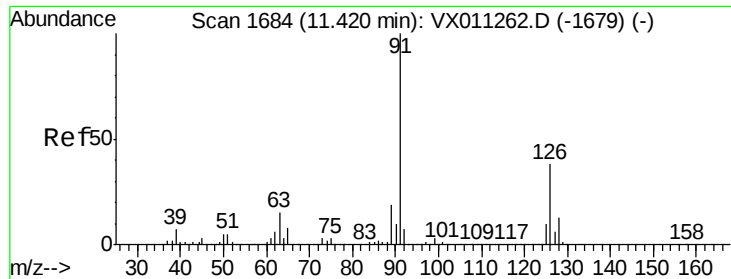
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	91	Resp:	703008
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.4	37.0





#79

2-Chlorotoluene

Concen: 49.492 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion: 91 Resp: 289749

Ion Ratio Lower Upper

91 100

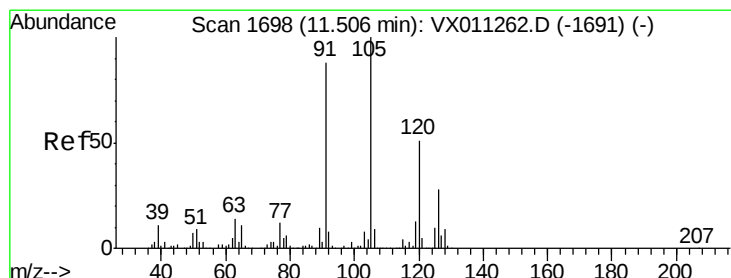
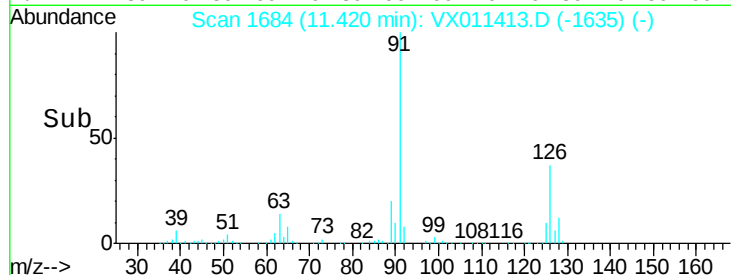
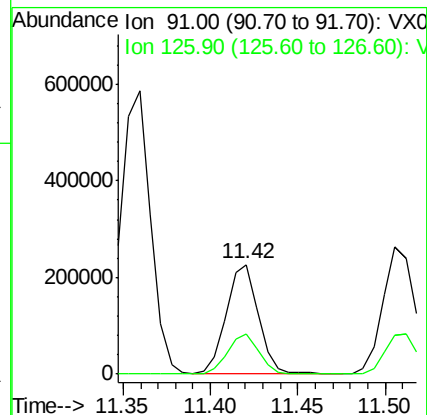
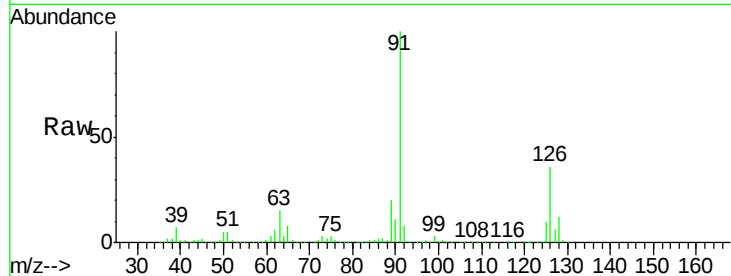
126 35.4 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.352 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011413.D

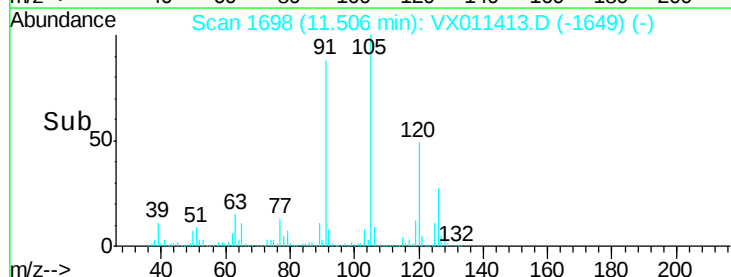
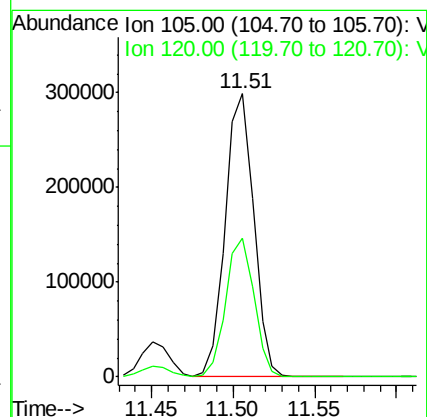
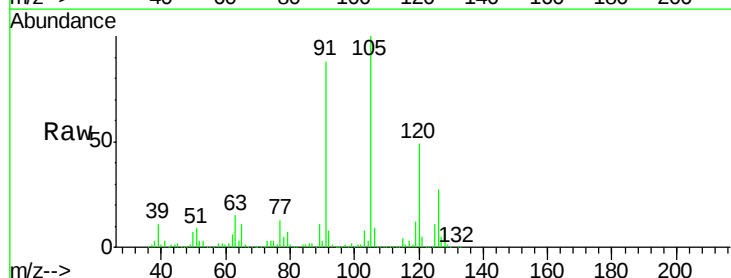
Acq: 09 Aug 2019 16:29

Tgt Ion: 105 Resp: 364903

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.2





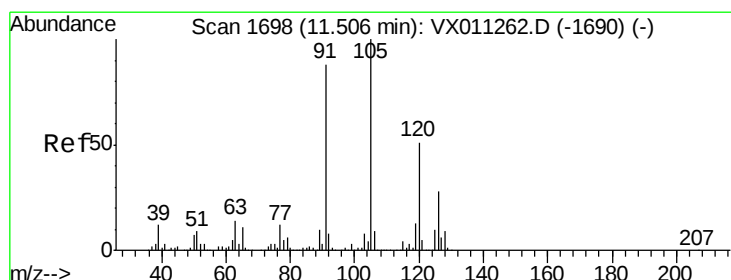
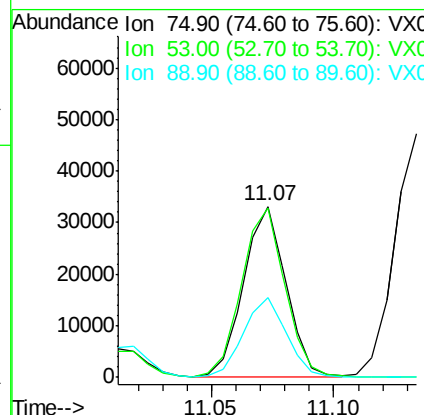
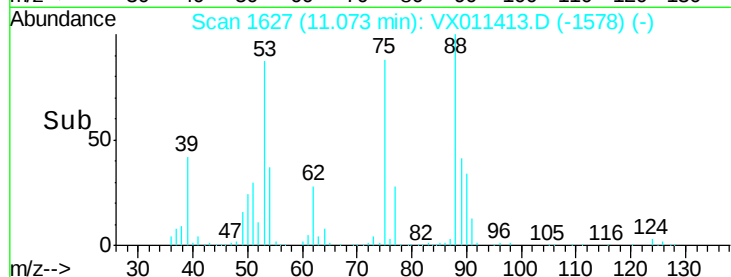
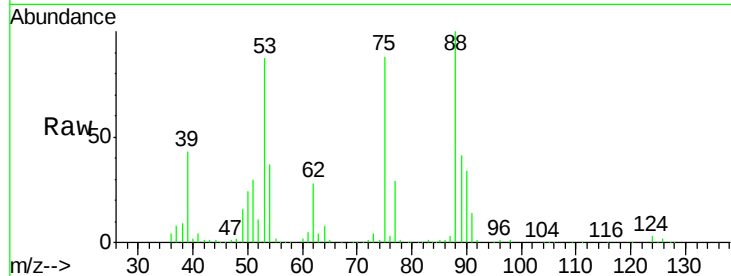
#81
trans-1,4-Dichloro-2-butene
Concen: 45.791 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	78.2	117.4
89	47.9	37.9	56.9

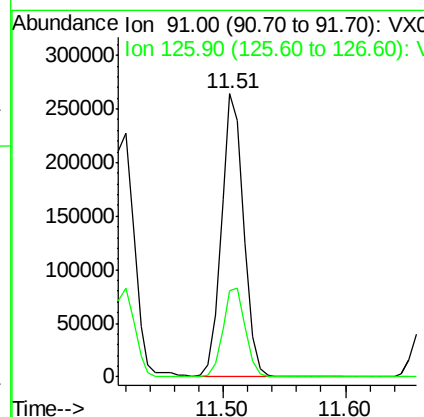
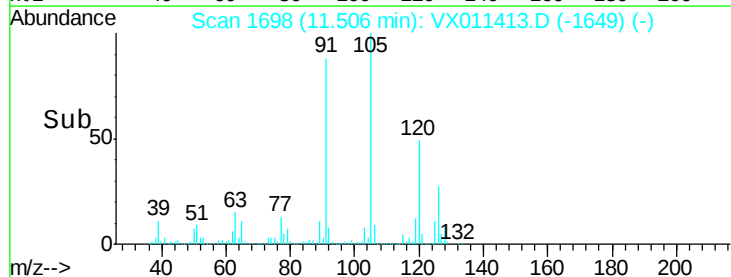
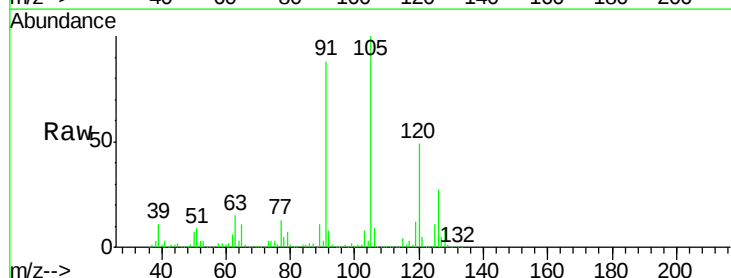
Manual Integrations
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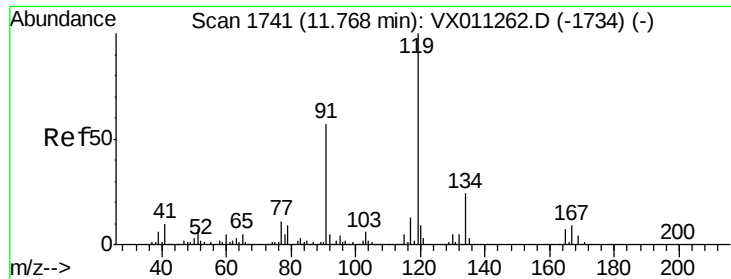
MMDadoda
8/12/2019 12:50:38 PM



#82
4-Chlorotoluene
Concen: 48.837 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.2





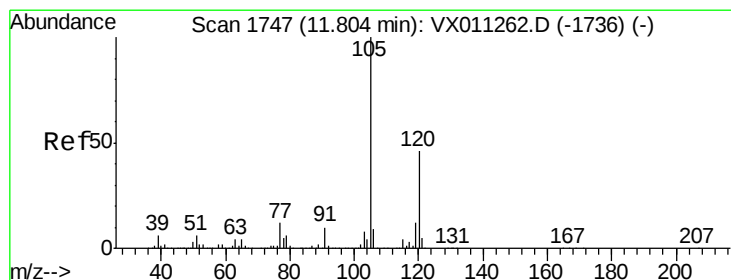
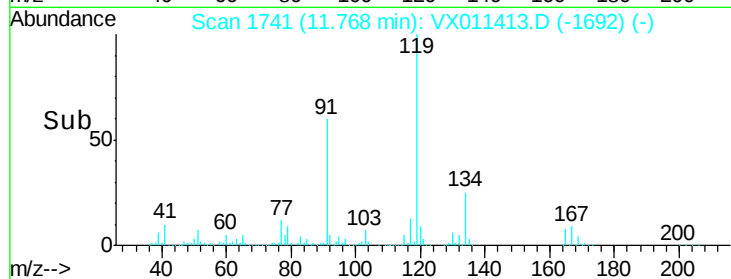
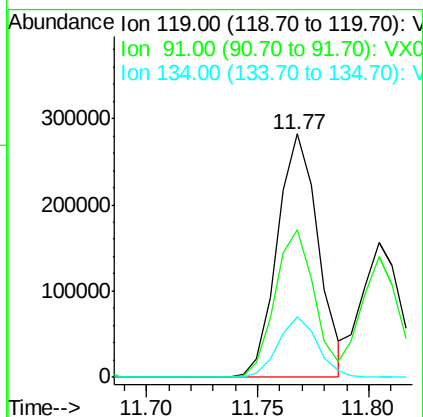
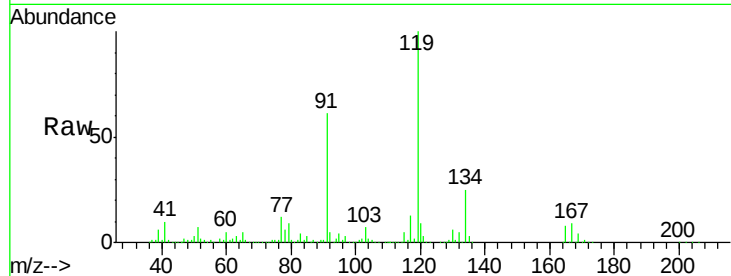
#83
tert-Butylbenzene
Concen: 49.643 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0668MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	359999		
91	58.6		28.0	84.0
134	24.0		11.9	35.5

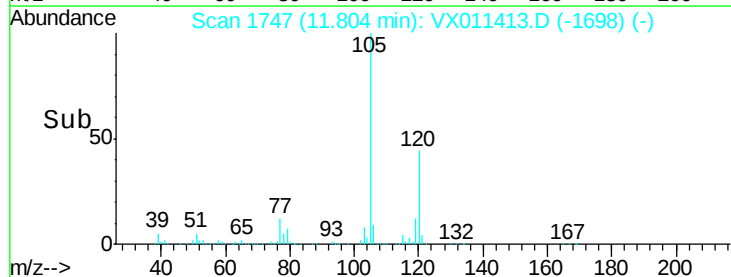
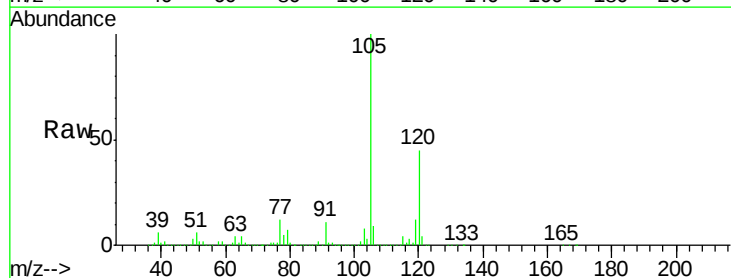
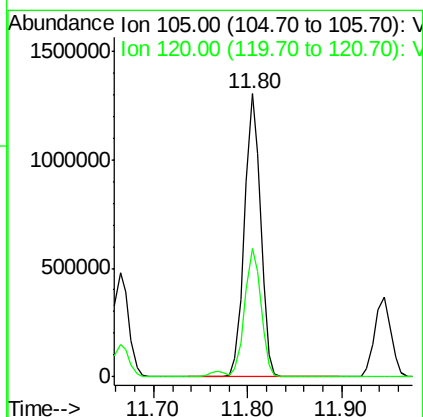
Manual Integrations
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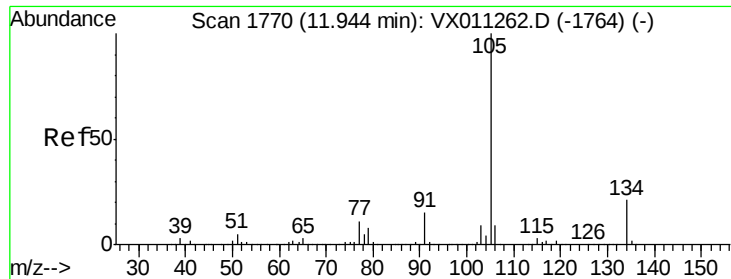
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#84
1,2,4-Trimethylbenzene
Concen: 210.534 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1549853		
120	45.7		23.0	69.0





#85

sec-Butylbenzene

Concen: 51.195 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

Z3-0668MS

Tot Ion:105 Resp: 446048

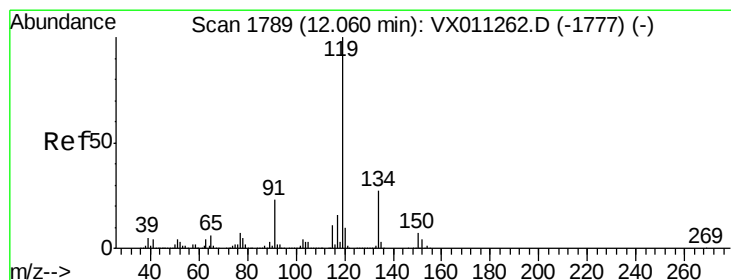
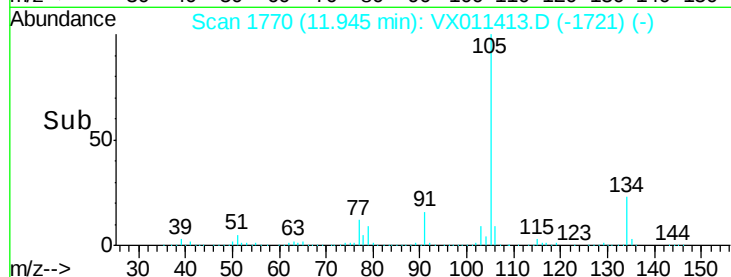
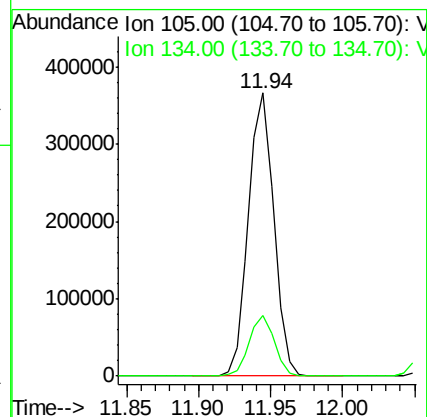
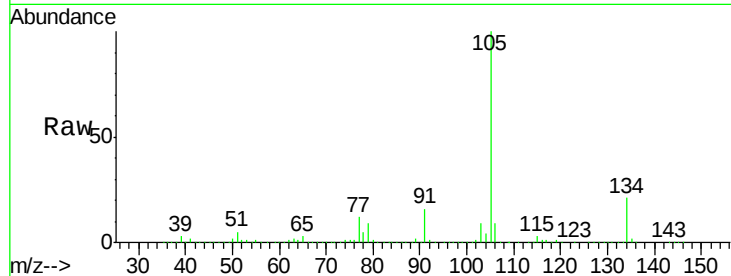
Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 50.505 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

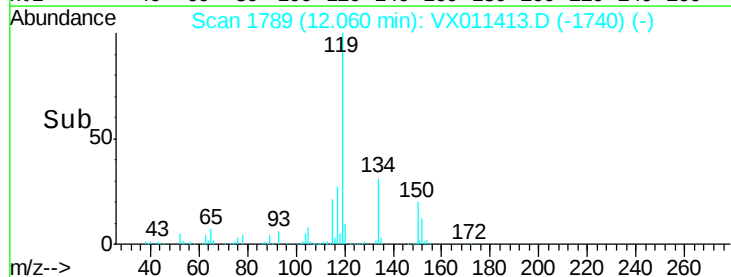
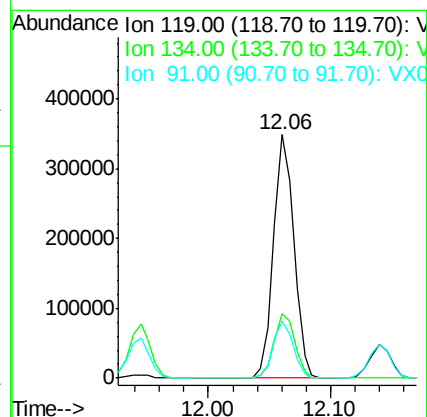
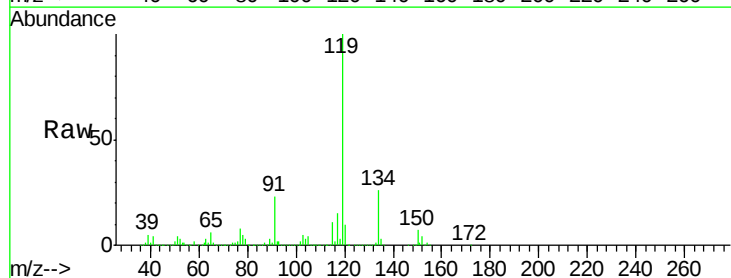
Tgt Ion:119 Resp: 404818

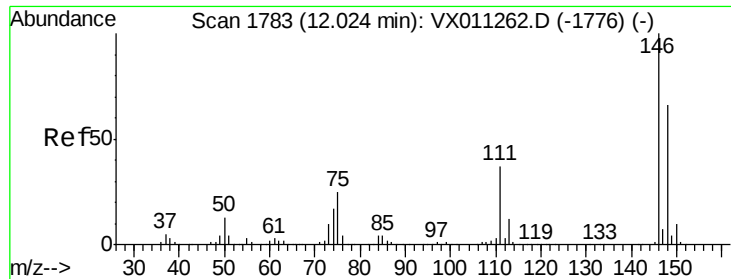
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 47.844 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

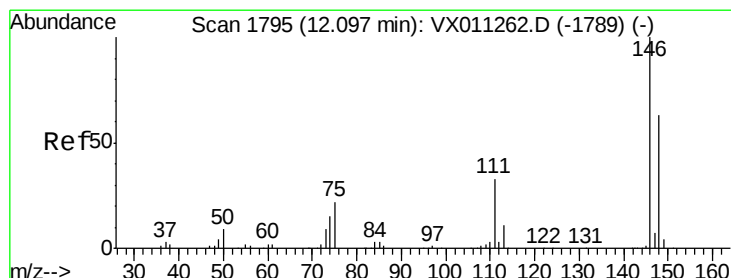
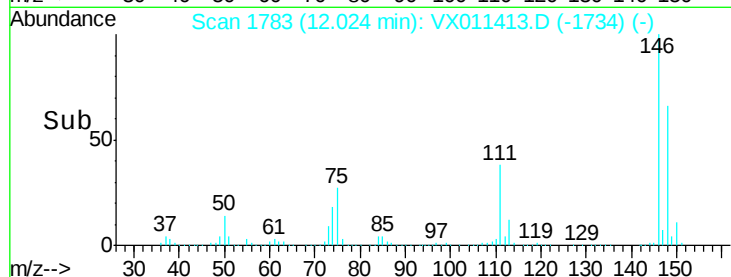
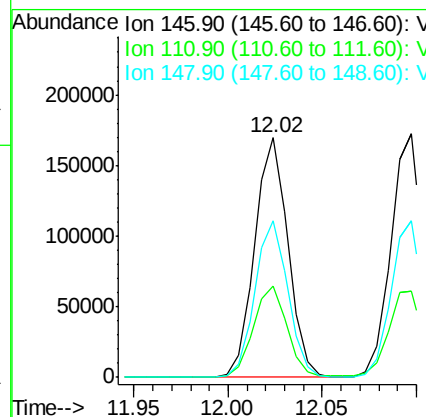
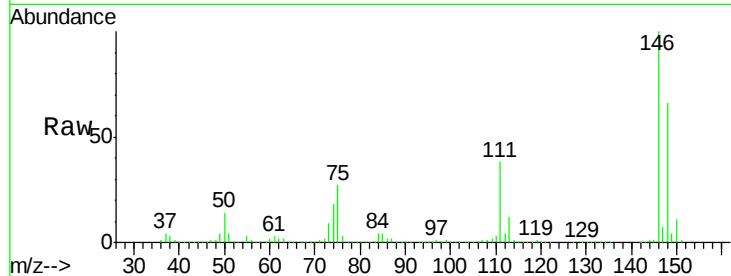
ClientSampleId :

Z3-0668MS

Tot Ion:	146	Resp:	207052
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.6	55.8
148	64.8	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.881 ug/l

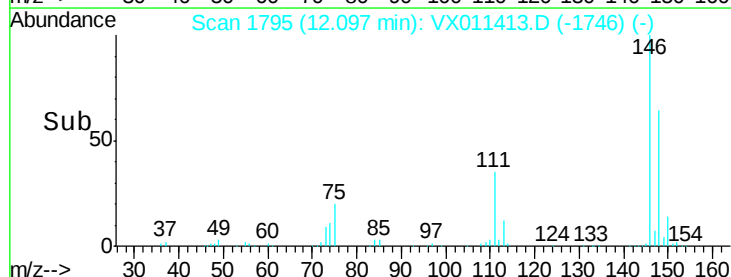
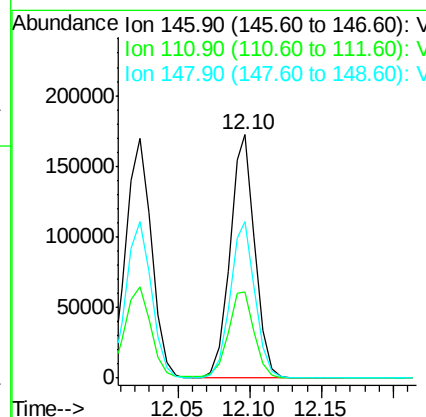
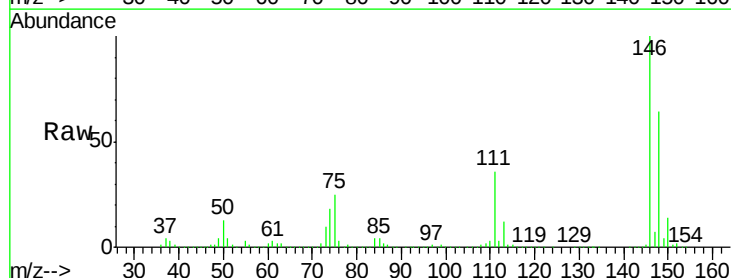
RT: 12.10 min Scan# 1795

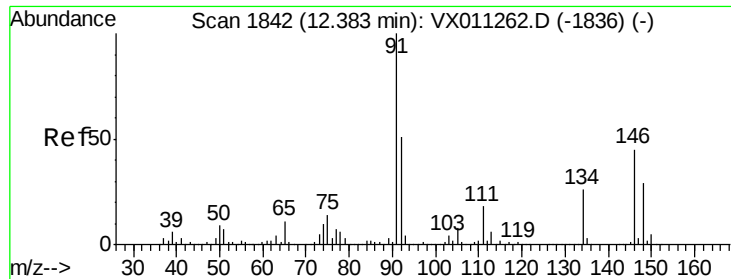
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	146	Resp:	209204
Ion Ratio	Lower	Upper	
146	100		
111	37.8	17.8	53.4
148	64.0	31.8	95.3





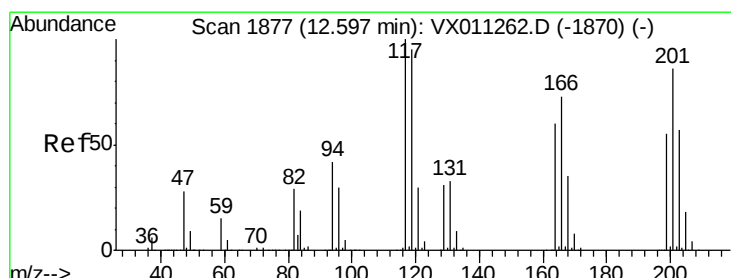
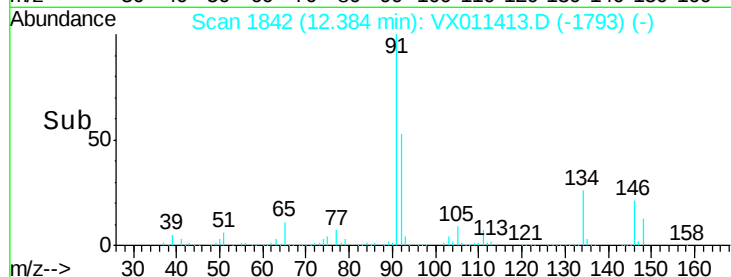
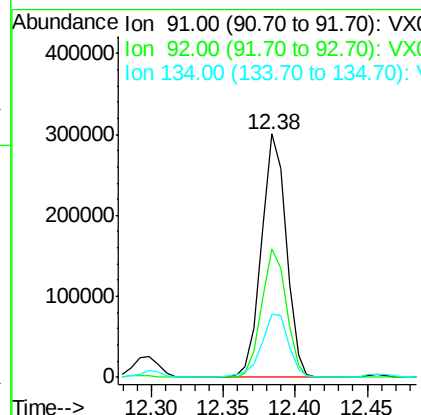
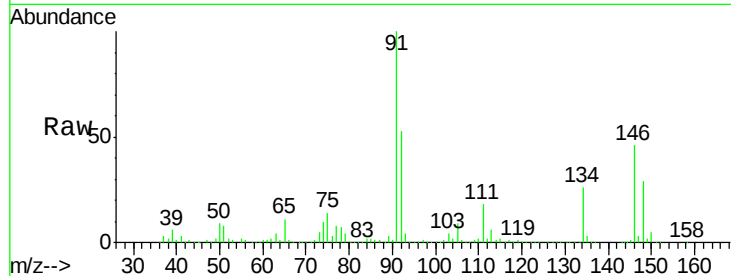
#89
n-Butylbenzene
Concen: 51.202 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
Z3-0668MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.8	77.3
134	28.9	13.7	41.0

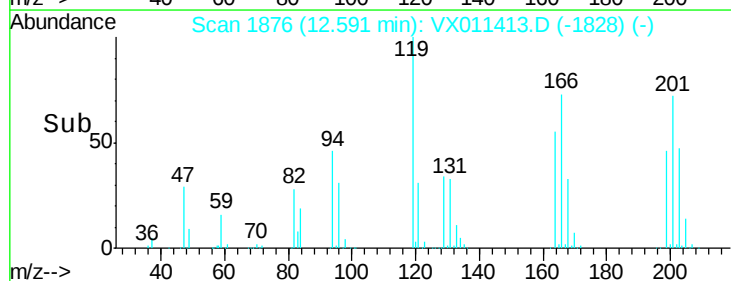
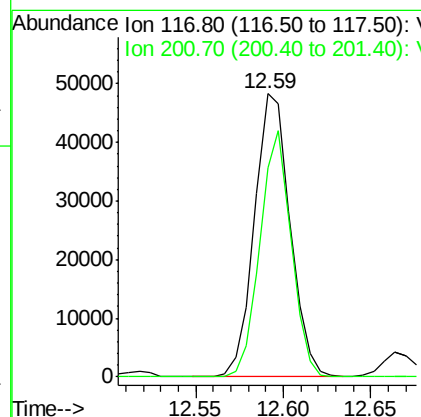
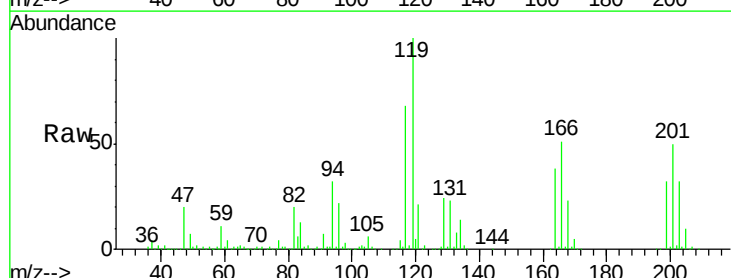
Manual Integrations
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8/12/2019 12:50:38 PM



#90
Hexachloroethane
Concen: 57.767 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011413.D
Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	41.8	125.4





#91

1,2-Dichlorobenzene

Concen: 47.879 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

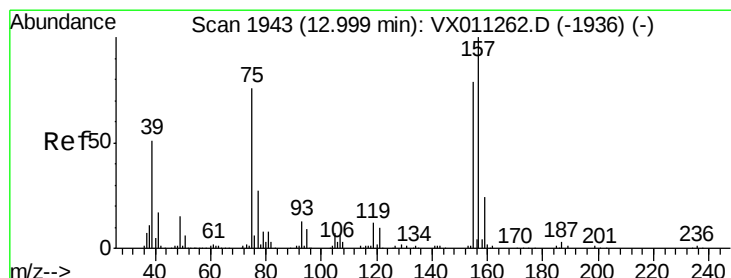
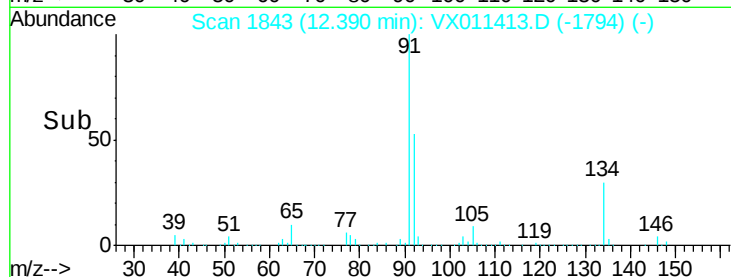
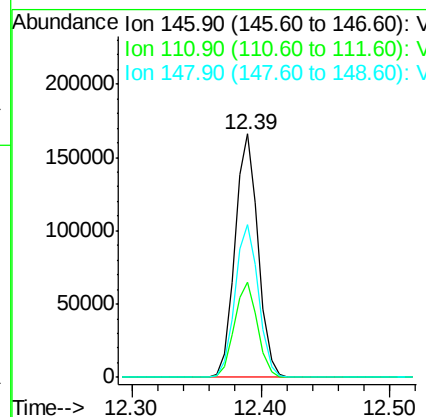
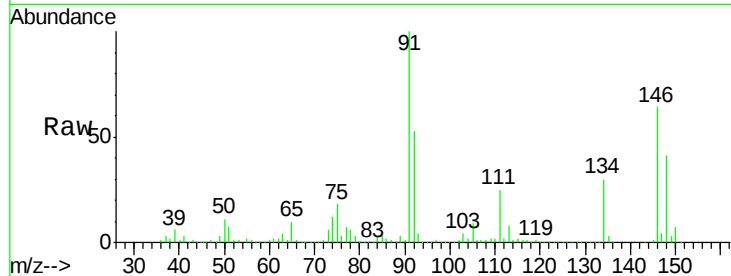
ClientSampleId :

Z3-0668MS

Tot Ion:	146	Resp:	208191
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.1	57.1
148	63.8	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.536 ug/l

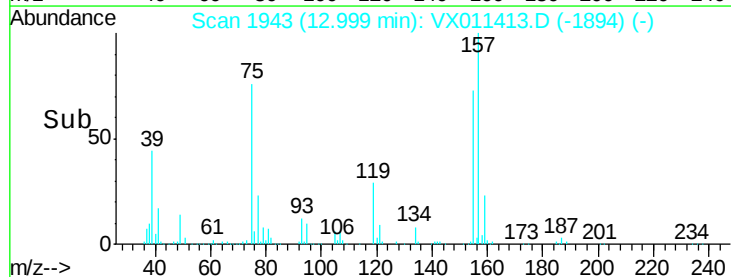
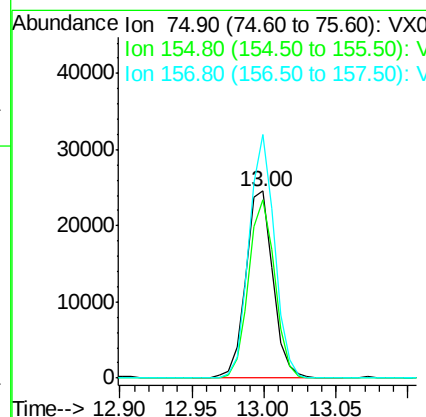
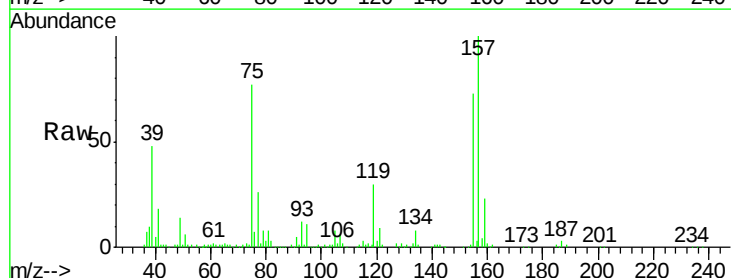
RT: 13.00 min Scan# 1943

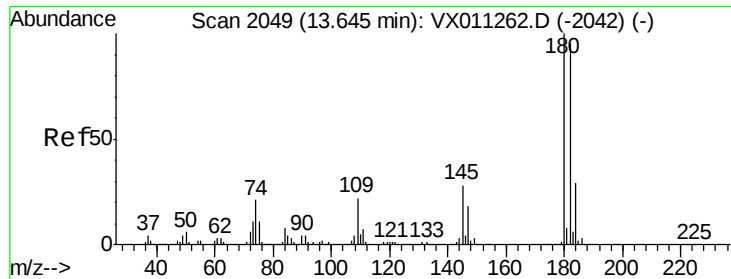
Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Tgt Ion:	75	Resp:	31671
Ion Ratio	Lower	Upper	
75	100		
155	92.8	51.9	155.8
157	122.7	64.3	192.7





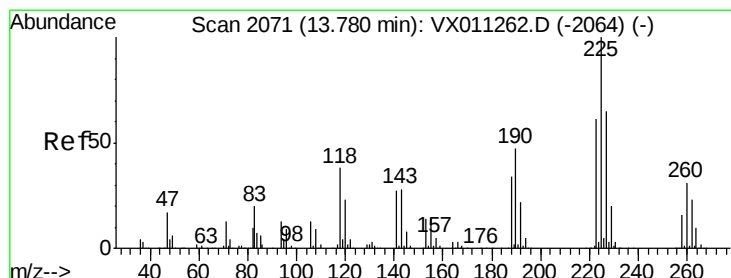
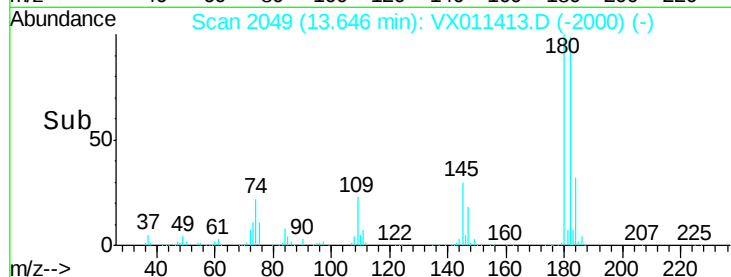
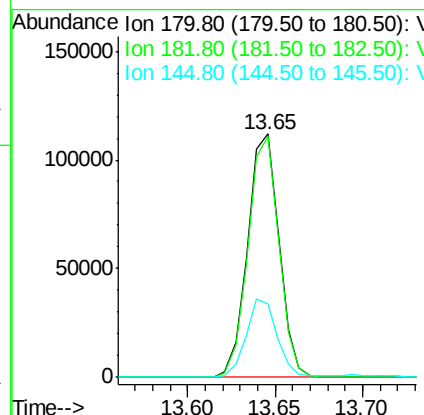
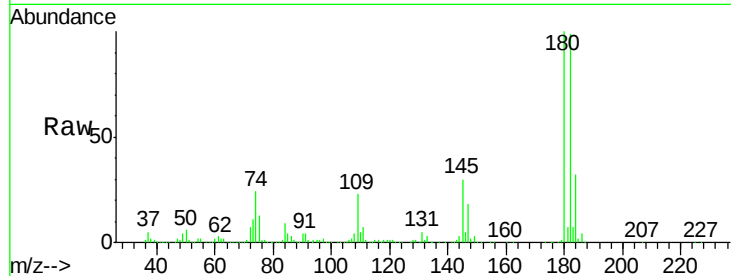
#93
 1,2,4-Trichlorobenzene
 Concen: 48.769 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140636		
182	97.0		47.8	143.4
145	31.7		14.8	44.3

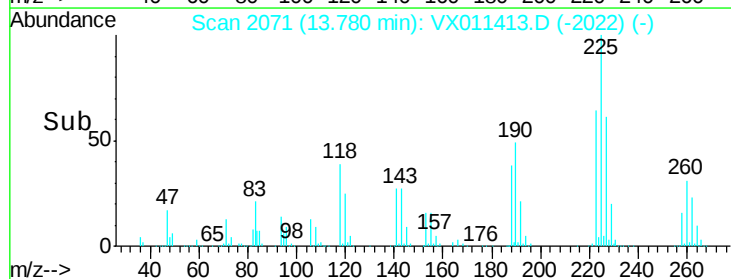
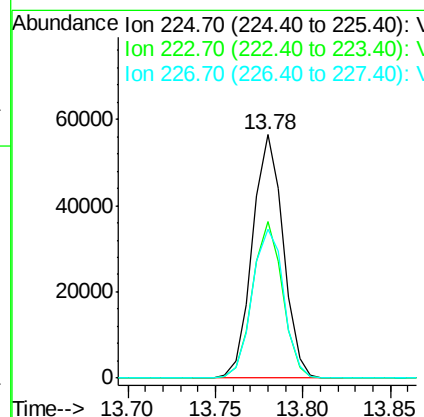
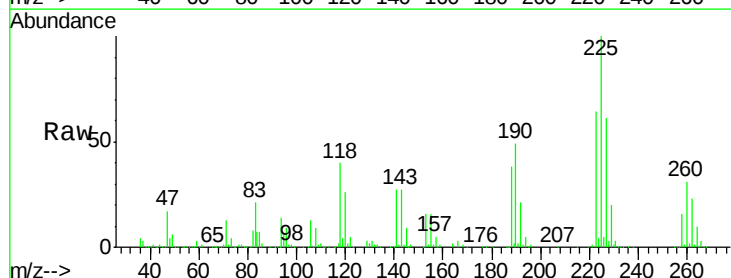
Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:38 PM



#94
 Hexachlorobutadiene
 Concen: 47.095 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011413.D
 Acq: 09 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68902		
223	62.8		31.0	93.0
227	63.1		32.2	96.6





#95

Naphthalene

Concen: 119.649 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

Z3-0668MS

Tot Ion:128 Resp: 1008998

Ion Ratio Lower Upper

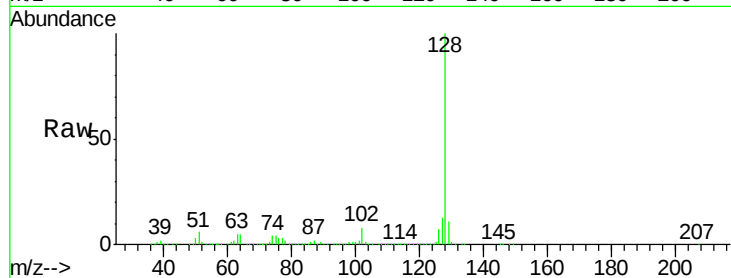
128 100

127 13.0 10.4 15.6

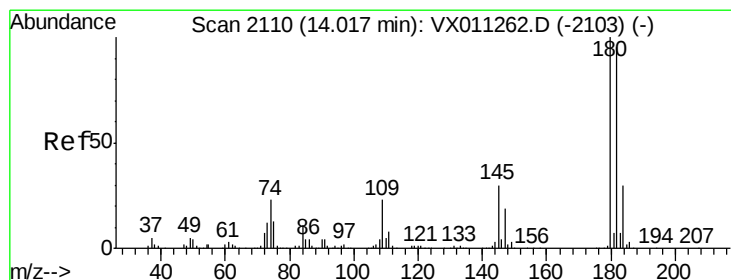
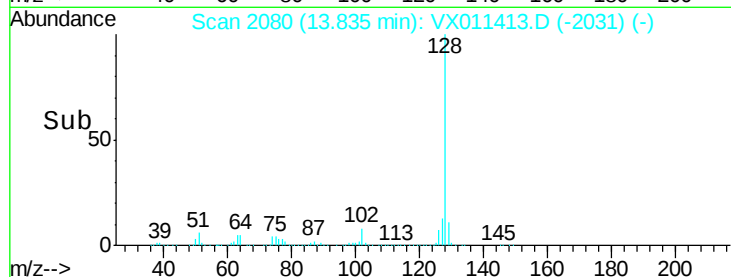
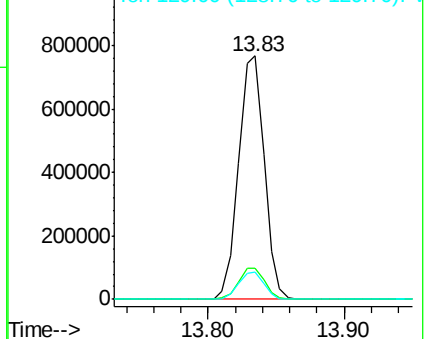
129 10.9 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:50:38 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 49.525 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011413.D

Acq: 09 Aug 2019 16:29

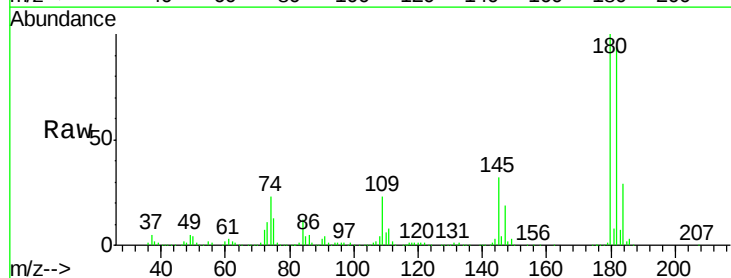
Tgt Ion:180 Resp: 145190

Ion Ratio Lower Upper

180 100

182 96.6 47.4 142.3

145 32.8 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

