

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021120\
 Data File : VX014908.D
 Acq On : 11 Feb 2020 12:01
 Operator : JC/SP
 Sample : VX0211MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:04:19 PM

Quant Time: Feb 12 05:58:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	441711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	643757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	595138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	241745	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	5.48	113	194729	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	8.71	98	743625	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	266865	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	83297	19.913	ug/l	99
3) Chloromethane	1.32	50	91250	19.241	ug/l	99
4) Vinyl Chloride	1.40	62	96679	18.924	ug/l	100
5) Bromomethane	1.64	94	64087	19.380	ug/l	97
6) Chloroethane	1.72	64	61054	18.677	ug/l	99
7) Trichlorofluoromethane	1.93	101	137466	19.258	ug/l	100
8) Diethyl Ether	2.18	74	58514	19.768	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78681	18.990	ug/l	100
10) Methyl Iodide	2.50	142	84468	21.058	ug/l	99
11) Tert butyl alcohol	3.02	59	93545	106.279	ug/l	97
12) 1,1-Dichloroethene	2.37	96	78192	19.313	ug/l	93
13) Acrolein	2.28	56	58631	87.399	ug/l	97
14) Allyl chloride	2.72	41	132622	18.476	ug/l	98
15) Acrylonitrile	3.12	53	228571	102.437	ug/l	98
16) Acetone	2.43	43	252566	87.201	ug/l	97
17) Carbon Disulfide	2.56	76	204296	18.060	ug/l	99
18) Methyl Acetate	2.76	43	103780	20.671	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	261999	19.884	ug/l	97
20) Methylene Chloride	2.85	84	87453	18.237	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	84203	18.848	ug/l	96
22) Diisopropyl ether	3.84	45	271857	19.829	ug/l	90
23) Vinyl Acetate	3.80	43	1141416	100.995	ug/l	100
24) 1,1-Dichloroethane	3.69	63	147105	19.012	ug/l	99
25) 2-Butanone	4.65	43	339538	100.046	ug/l	99
26) 2,2-Dichloropropane	4.56	77	123493	18.520	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	94742	18.972	ug/l	99
28) Bromochloromethane	5.00	49	57735	19.251	ug/l	99
29) Tetrahydrofuran	5.11	42	203275	105.364	ug/l	99
30) Chloroform	5.20	83	147596	19.226	ug/l	100
31) Cyclohexane	5.57	56	131786	18.700	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	125209	18.645	ug/l	99
36) 1,1-Dichloropropene	5.79	75	110682	19.220	ug/l	99
37) Ethyl Acetate	4.81	43	125404	20.879	ug/l	99
38) Carbon Tetrachloride	5.78	117	109686	19.545	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	137129	19.041	ug/l	99
40) Benzene	6.13	78	338491	19.673	ug/l	96
41) Methacrylonitrile	5.02	41	68261	21.097	ug/l	98
42) 1,2-Dichloroethane	6.18	62	122253	19.659	ug/l	98
43) Isopropyl Acetate	6.43	43	202563	20.445	ug/l	100
44) Trichloroethene	7.20	130	96127	19.245	ug/l	100
45) 1,2-Dichloropropane	7.50	63	86001	19.599	ug/l	94
46) Dibromomethane	7.65	93	59130	19.714	ug/l	99
47) Bromodichloromethane	7.89	83	114970	19.332	ug/l	99
48) Methyl methacrylate	7.76	41	98549	20.211	ug/l	99
49) 1,4-Dioxane	7.73	88	41369	453.777	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	633477	105.886	ug/l	100
52) Toluene	8.78	92	213316	19.520	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	125685	19.283	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	141197	19.610	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	88186	19.946	ug/l	97
56) Ethyl methacrylate	9.17	69	133197	20.043	ug/l	99
57) 1,3-Dichloropropane	9.36	76	148636	19.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	354571	102.020	ug/l	99
59) 2-Hexanone	9.48	43	494358	105.129	ug/l	99
60) Dibromochloromethane	9.57	129	93679	19.689	ug/l	98
61) 1,2-Dibromoethane	9.67	107	93400	19.579	ug/l	100
64) Tetrachloroethene	9.33	164	112092	20.145	ug/l	97
65) Chlorobenzene	10.13	112	237859	19.705	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	87956	20.071	ug/l	97
67) Ethyl Benzene	10.25	91	406794	19.816	ug/l	98
68) m/p-Xylenes	10.36	106	312377	39.499	ug/l	99
69) o-Xylene	10.69	106	150114	19.746	ug/l	99
70) Styrene	10.71	104	257846	20.049	ug/l	100
71) Bromoform	10.85	173	71565	19.564	ug/l #	99
73) Isopropylbenzene	11.01	105	402240	20.062	ug/l	100
74) N-amyl acetate	10.89	43	169320	20.325	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	129999	19.835	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	113923m	19.705	ug/l	
77) Bromobenzene	11.25	156	110643	19.772	ug/l	96
78) n-propylbenzene	11.35	91	455244	19.632	ug/l	99
79) 2-Chlorotoluene	11.42	91	269155	19.743	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	336908	20.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	42433	18.787	ug/l	94
82) 4-Chlorotoluene	11.51	91	315286	19.529	ug/l	100
83) tert-Butylbenzene	11.76	119	314203	19.806	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	340673	20.179	ug/l	99
85) sec-Butylbenzene	11.94	105	387978	19.687	ug/l	100
86) p-Isopropyltoluene	12.06	119	364849	19.784	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	193884	19.313	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	197331	19.248	ug/l	99
89) n-Butylbenzene	12.39	91	316303	19.150	ug/l	99
90) Hexachloroethane	12.59	117	60922	18.916	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	191304	19.431	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28548	18.566	ug/l	99

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ClientSampleId :
VX0211MBS01

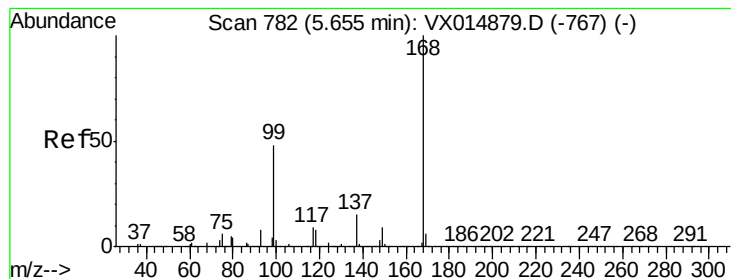
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	136422	18.773	ug/l	100
94) Hexachlorobutadiene	13.78	225	66521	18.926	ug/l	98
95) Naphthalene	13.83	128	401359	20.773	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	136788	19.484	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion:168 Resp: 441711

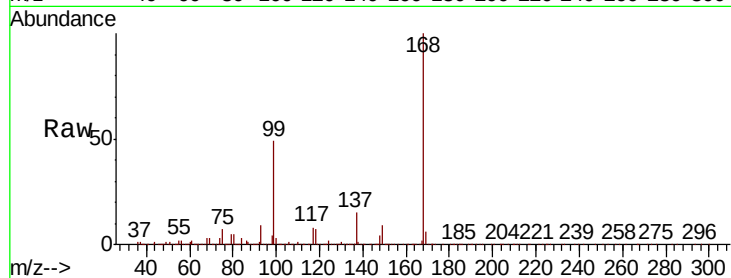
Ion Ratio Lower Upper

168 100

99 48.9 38.7 58.1

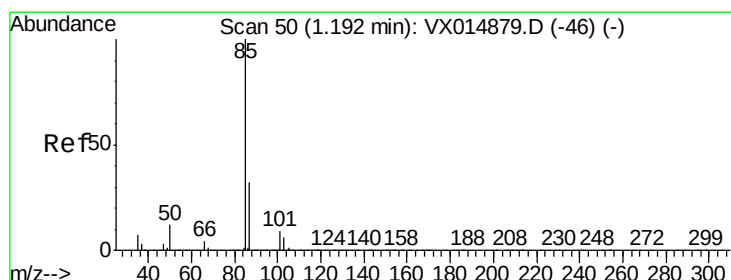
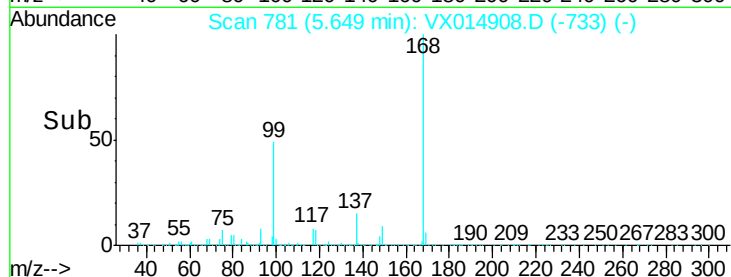
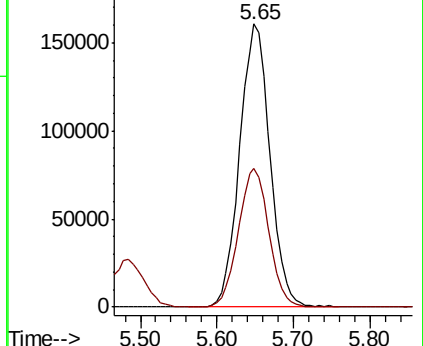
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.913 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014908.D

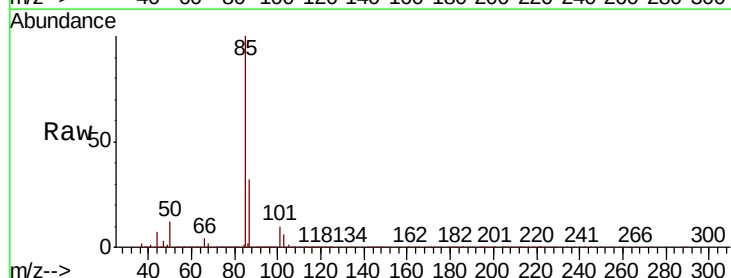
Acq: 11 Feb 2020 12:01

Tgt Ion: 85 Resp: 83297

Ion Ratio Lower Upper

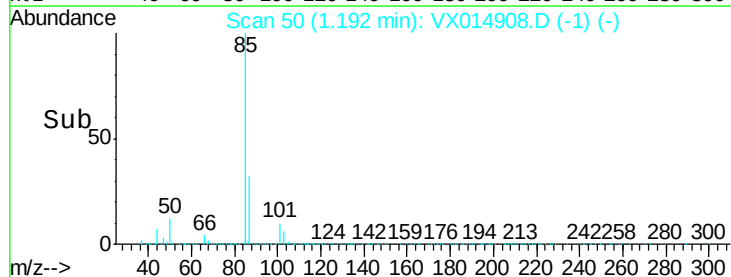
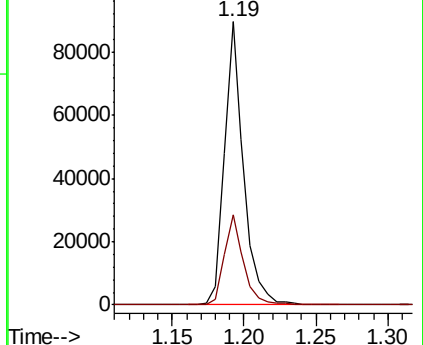
85 100

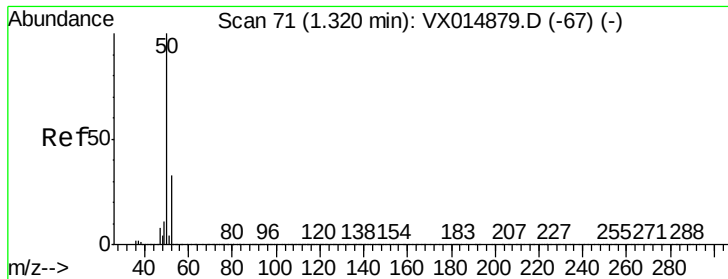
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.241 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 50 Resp: 91250

Ion Ratio Lower Upper

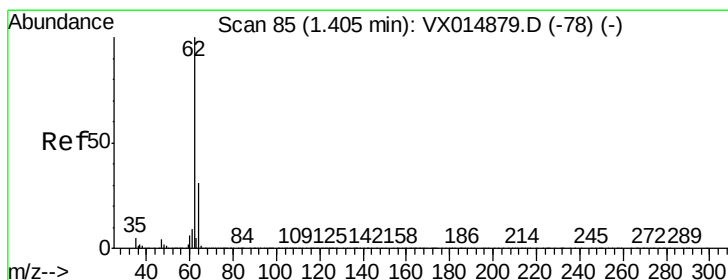
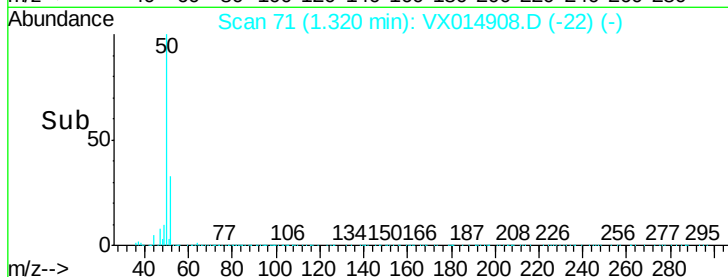
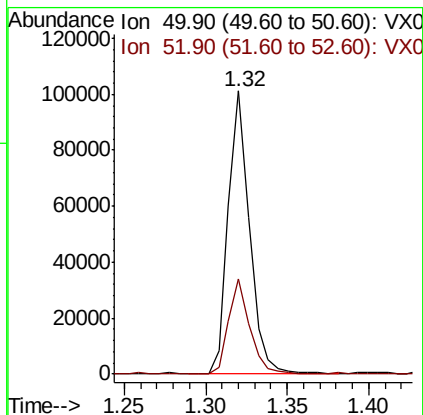
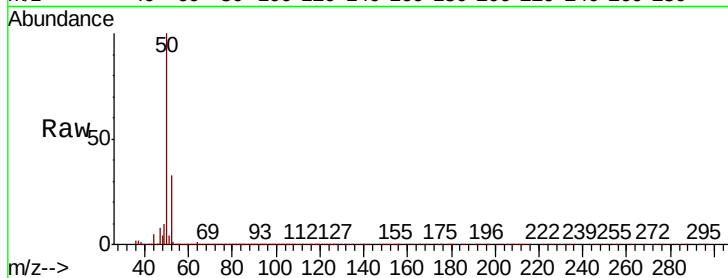
50 100

52 33.4 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.924 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX014908.D

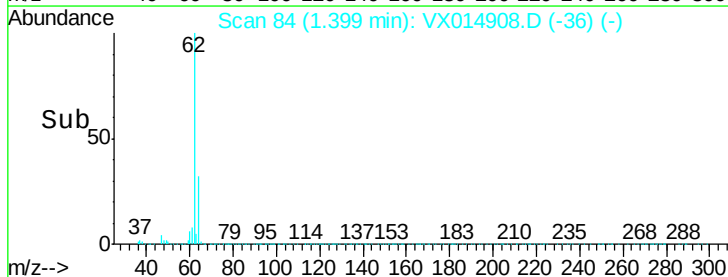
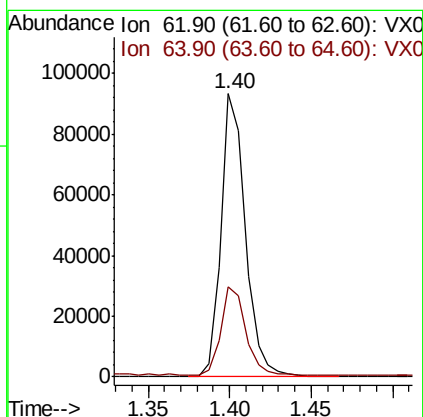
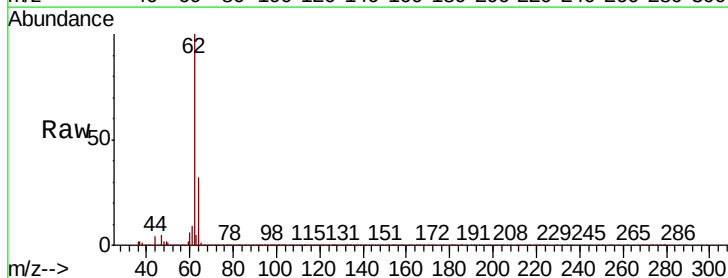
Acq: 11 Feb 2020 12:01

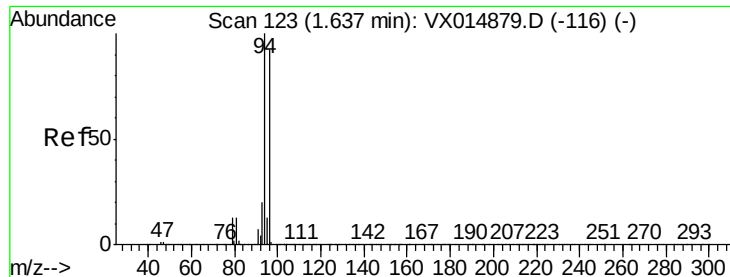
Tgt Ion: 62 Resp: 96679

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2





#5

Bromomethane

Concen: 19.380 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 94 Resp: 64087

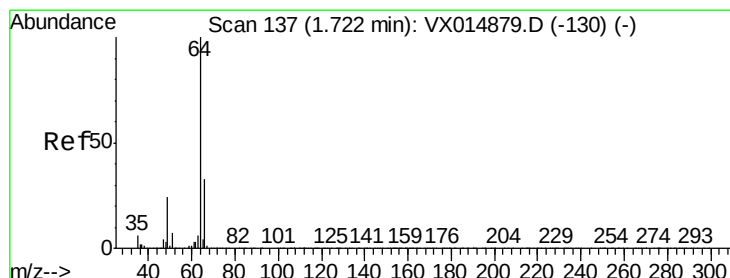
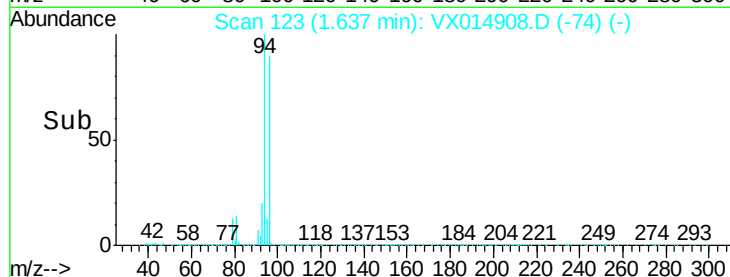
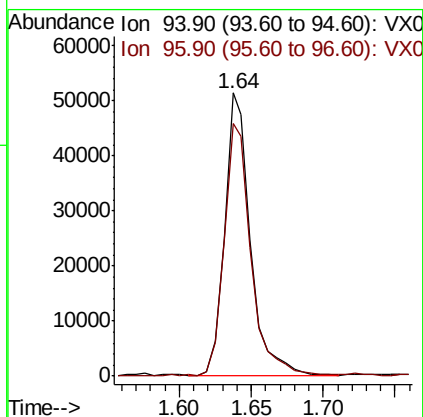
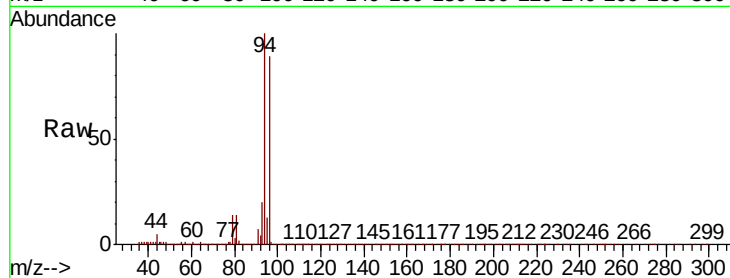
Ion Ratio Lower Upper

94 100

96 89.1 73.7 110.5

Manual Integrations
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#6

Chloroethane

Concen: 18.677 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX014908.D

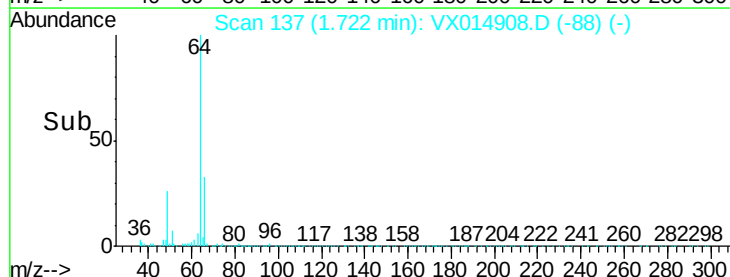
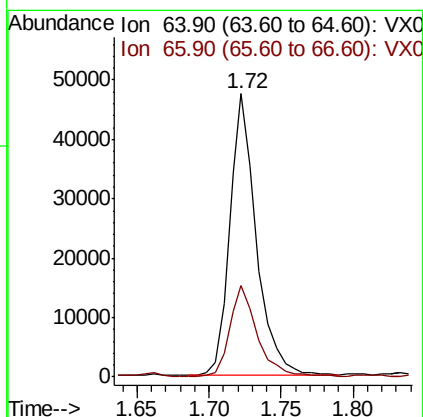
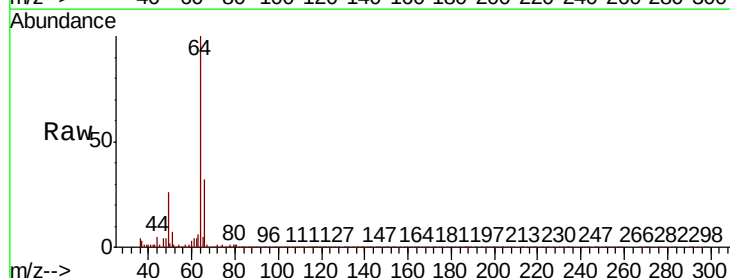
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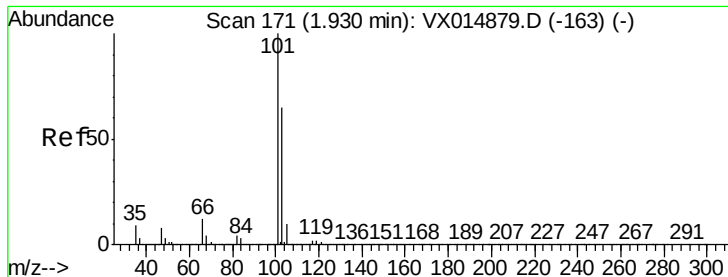
Tgt Ion: 64 Resp: 61054

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.4





#7

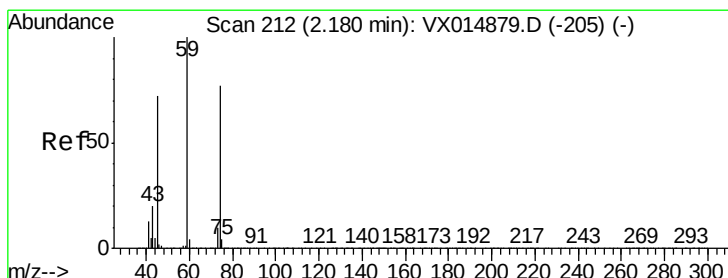
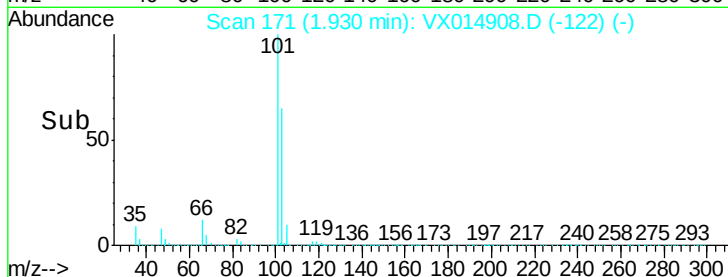
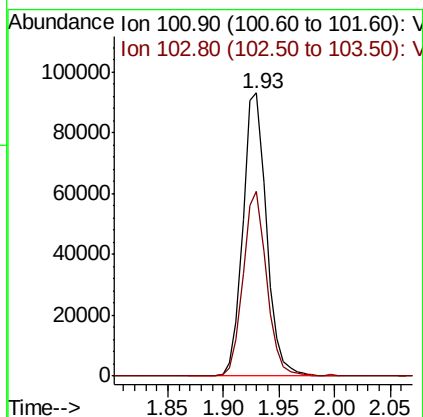
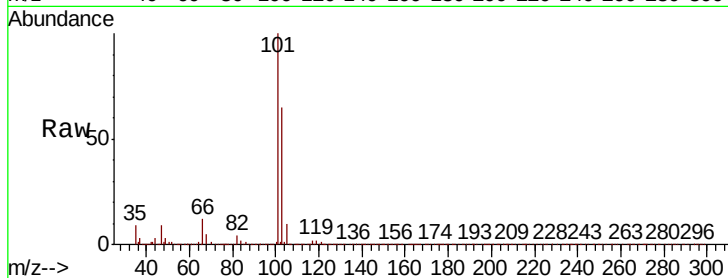
Trichlorofluoromethane
Concen: 19.258 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

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ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4

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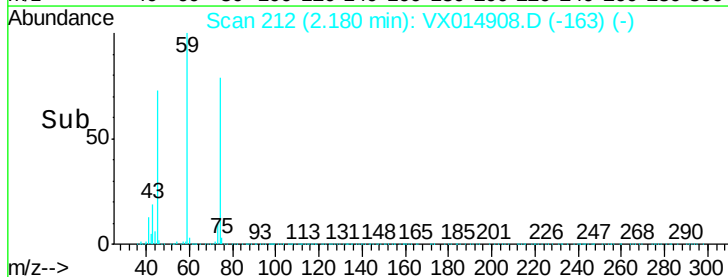
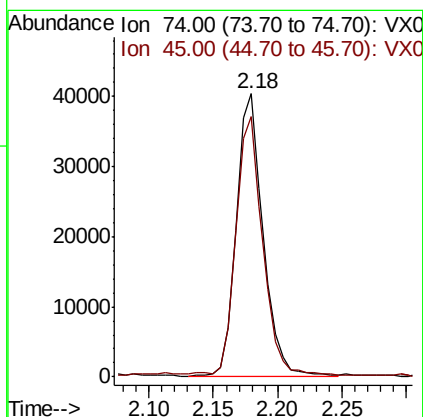
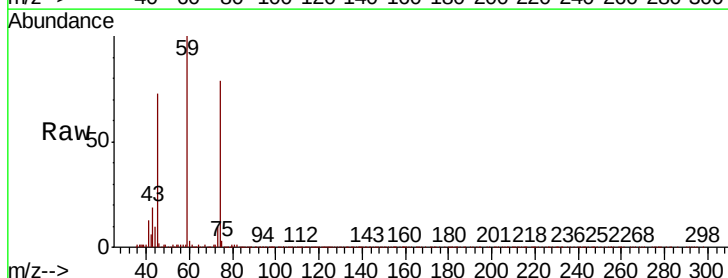
MMDadoda
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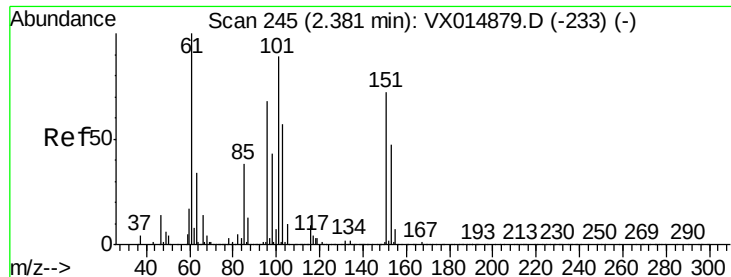


#8

Diethyl Ether
Concen: 19.768 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.990 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

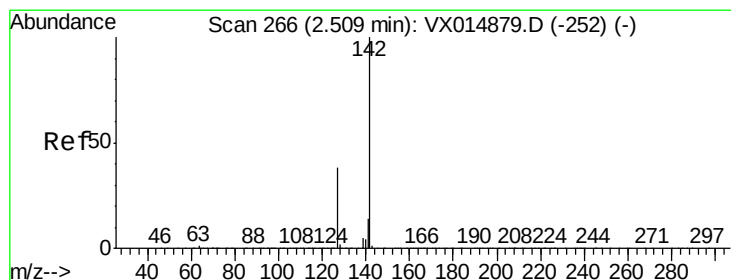
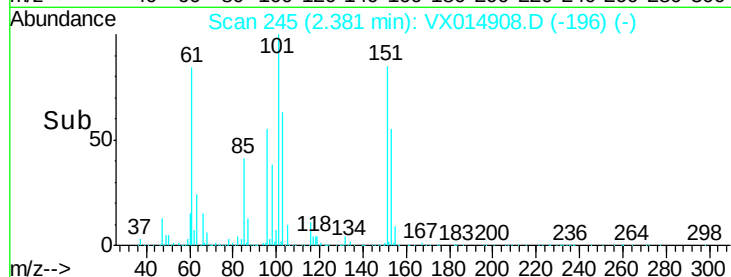
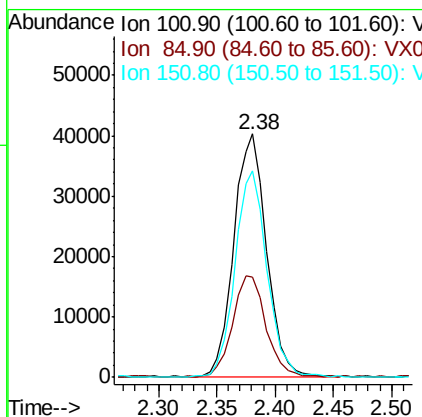
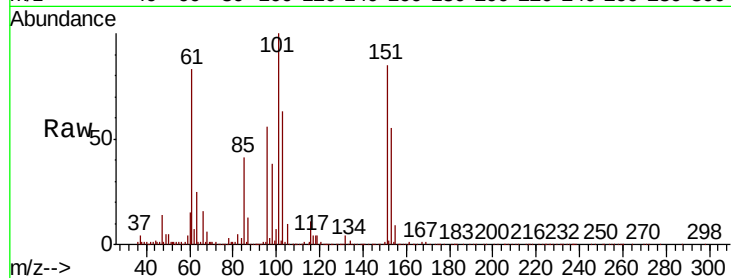
ClientSampleId :

VX0211MBS01

Tot Ion:	101	Resp:	78681
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.1	51.1
151	83.9	67.3	100.9

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#10

Methyl Iodide

Concen: 21.058 ug/l

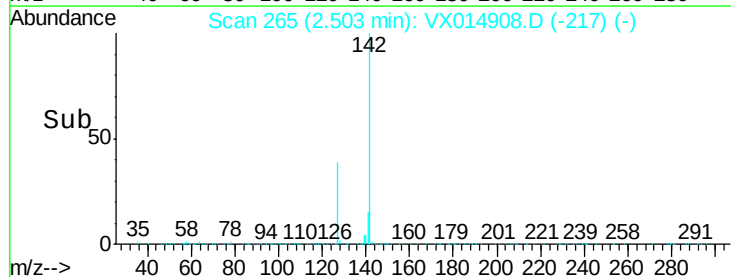
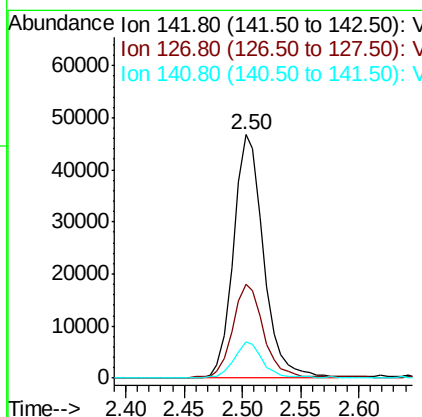
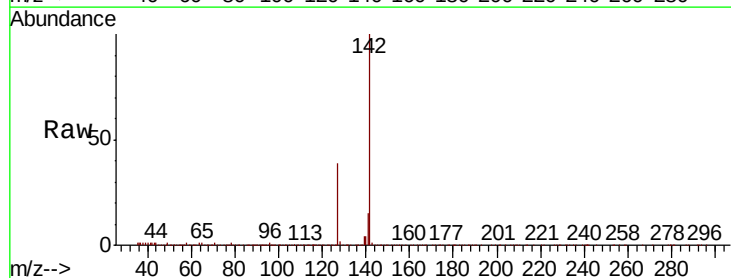
RT: 2.50 min Scan# 265

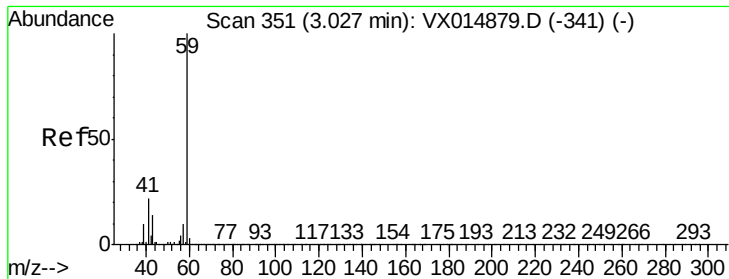
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	142	Resp:	84468
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.1	46.7
141	14.7	11.3	16.9





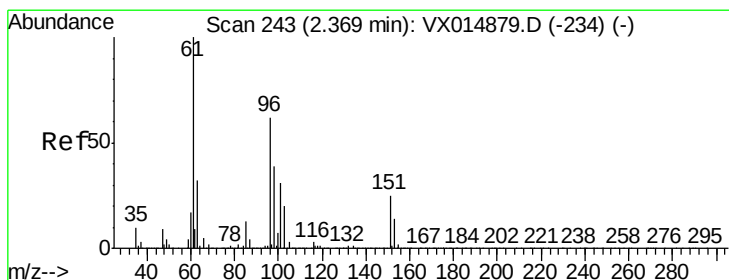
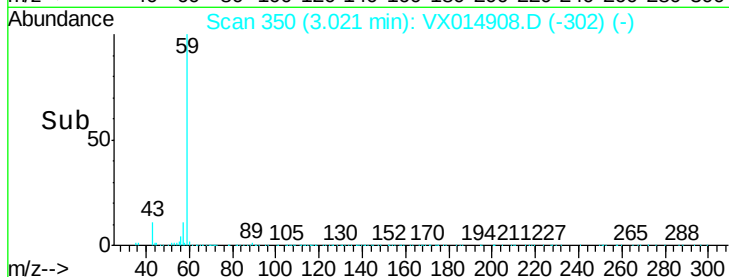
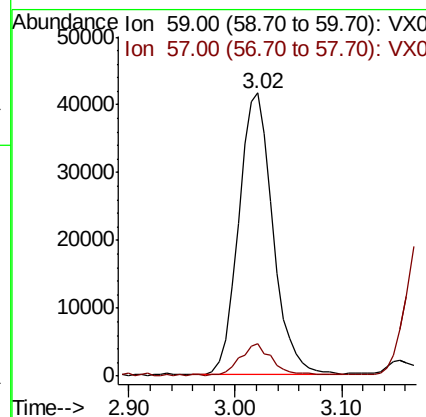
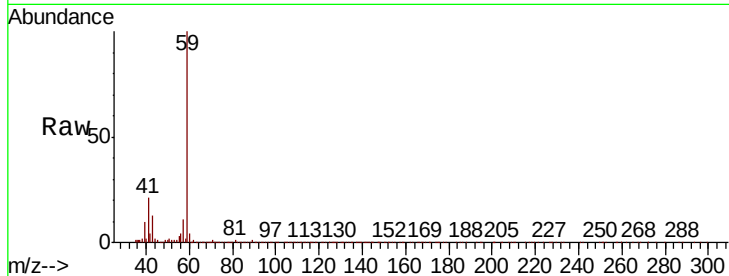
#11
Tert butyl alcohol
Concen: 106.279 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.4

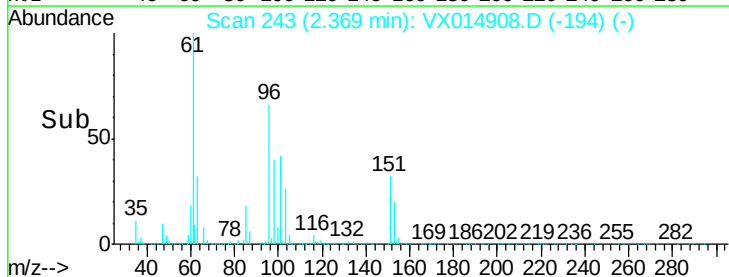
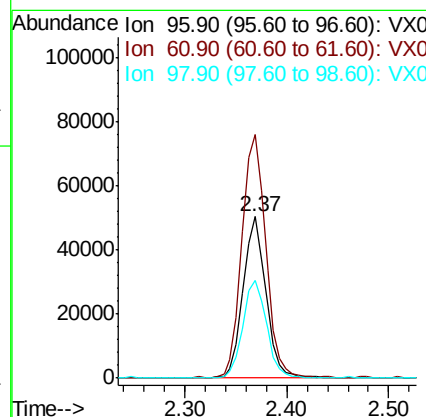
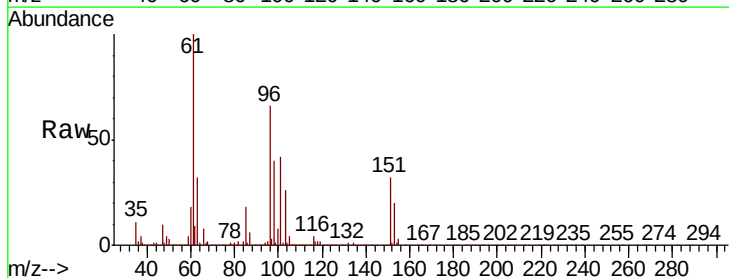
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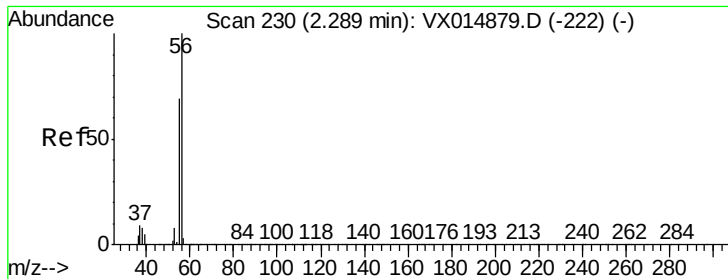
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.313 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	129.5	194.3
98	60.0	50.6	76.0





#13

Acrolein

Concen: 87.399 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 56 Resp: 58631

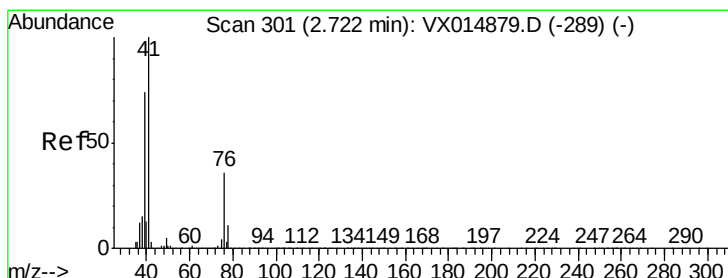
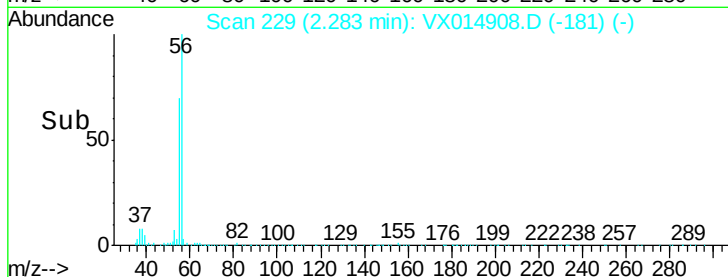
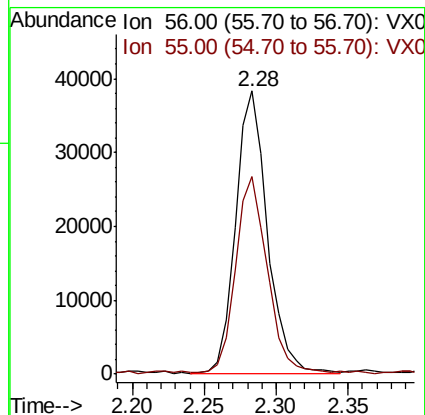
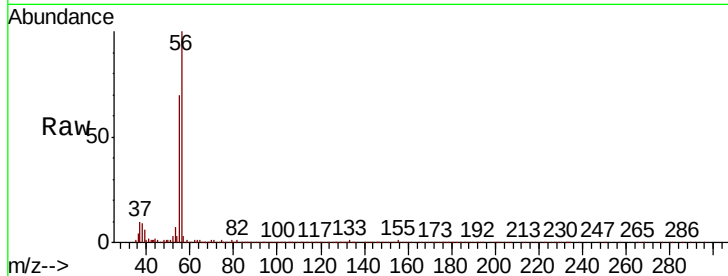
Ion Ratio Lower Upper

56 100

55 70.8 55.0 82.4

Manual Integrations
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#14

Allyl chloride

Concen: 18.476 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

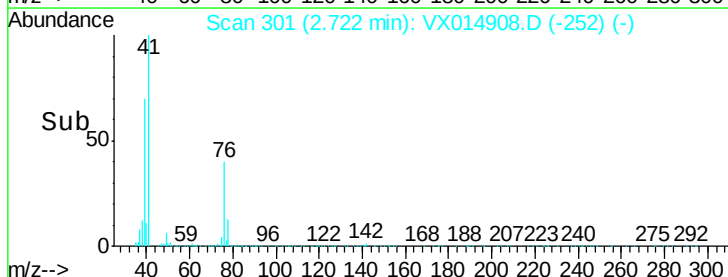
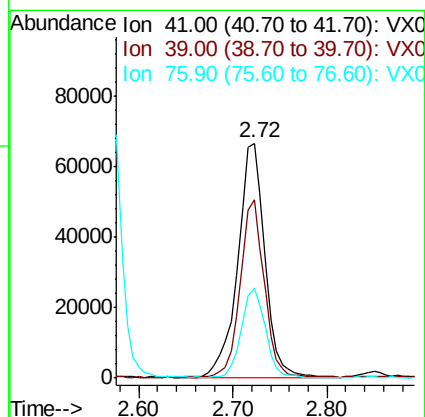
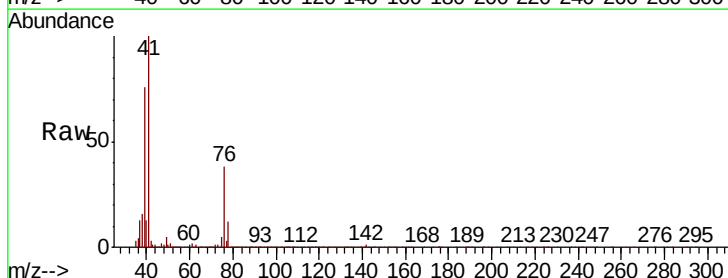
Tgt Ion: 41 Resp: 132622

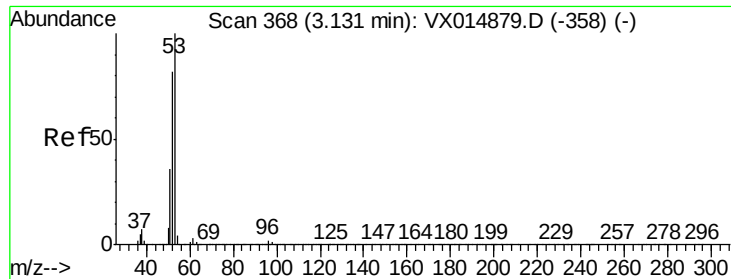
Ion Ratio Lower Upper

41 100

39 67.2 55.2 82.8

76 33.6 26.8 40.2





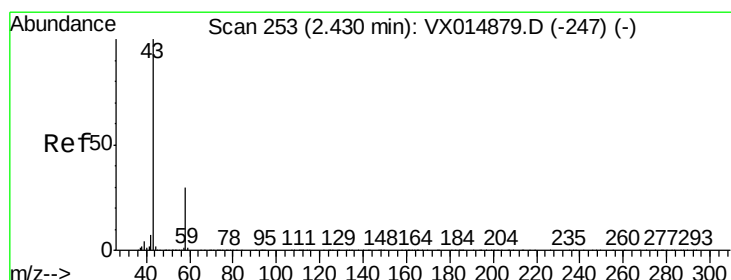
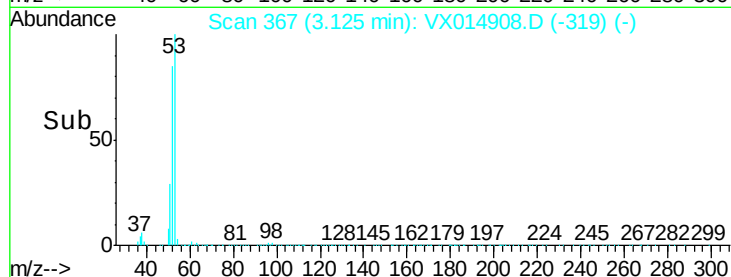
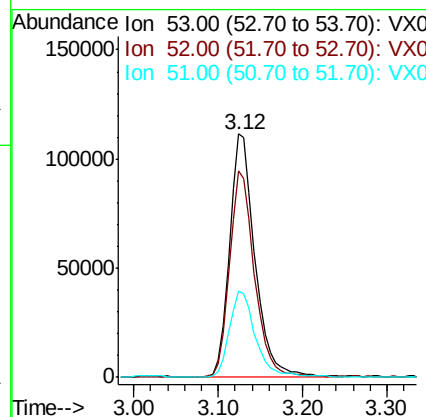
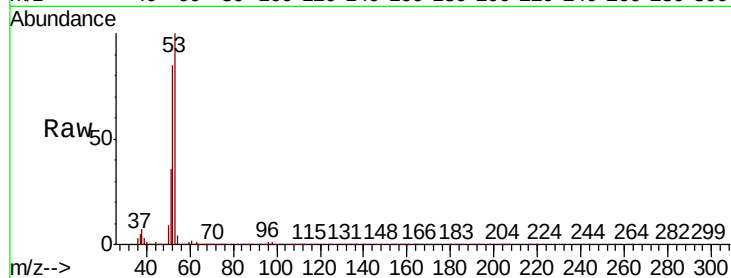
#15
 Acrylonitrile
 Concen: 102.437 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.8	98.6
51	37.2	29.1	43.7

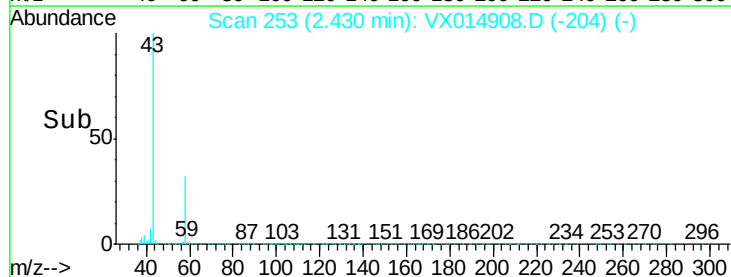
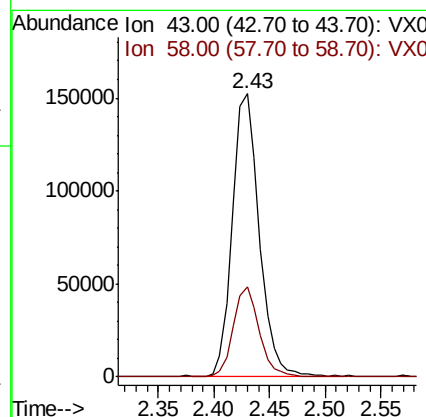
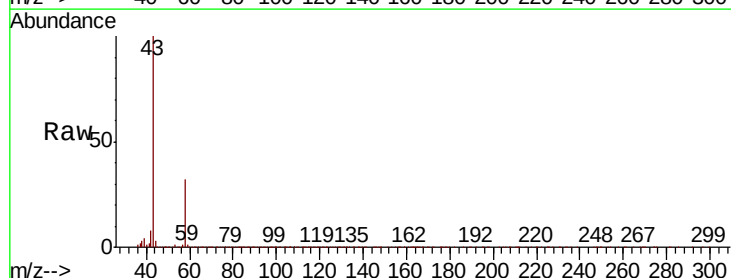
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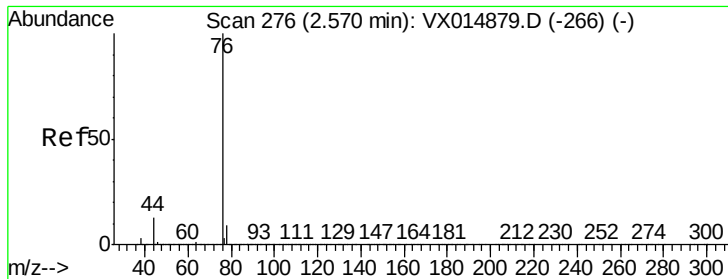
MMDadoda
 2/12/2020 3:04:19 PM



#16
 Acetone
 Concen: 87.201 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.1	36.1





#17

Carbon Disulfide

Concen: 18.060 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 76 Resp: 204296

Ion Ratio Lower Upper

76 100

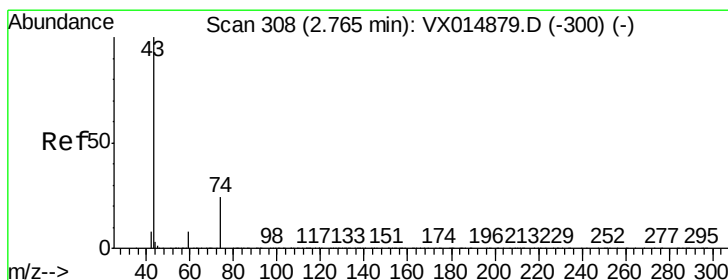
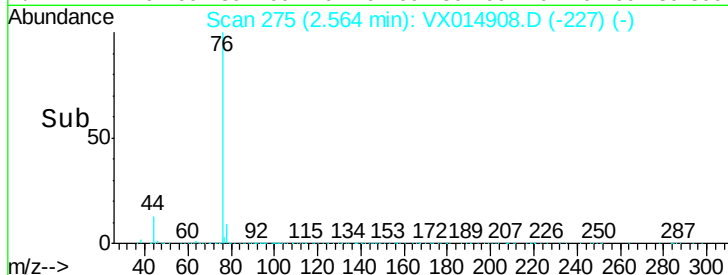
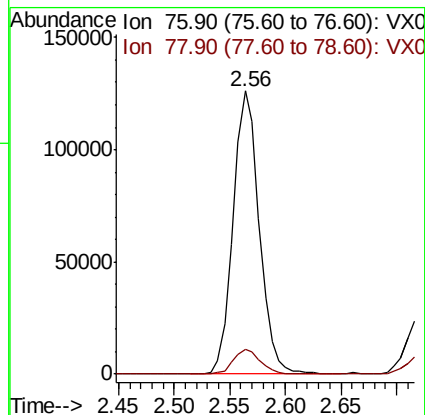
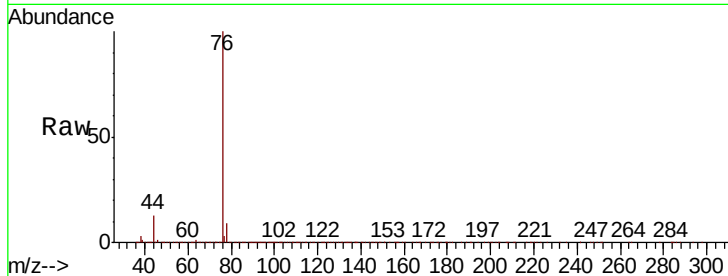
78 8.9 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 20.671 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014908.D

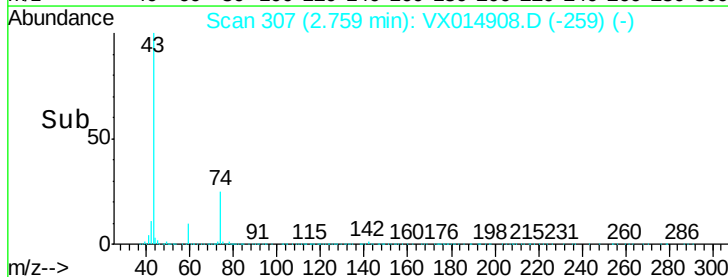
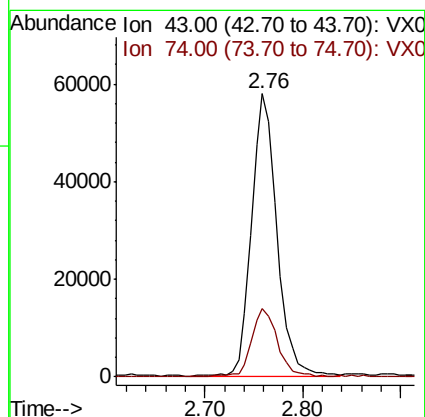
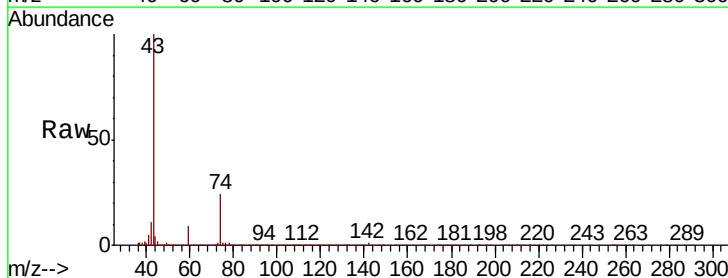
Acq: 11 Feb 2020 12:01

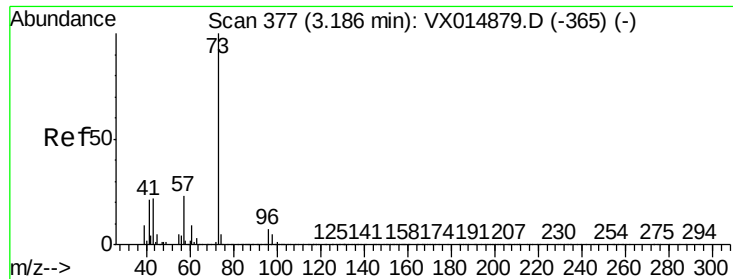
Tgt Ion: 43 Resp: 103780

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.0





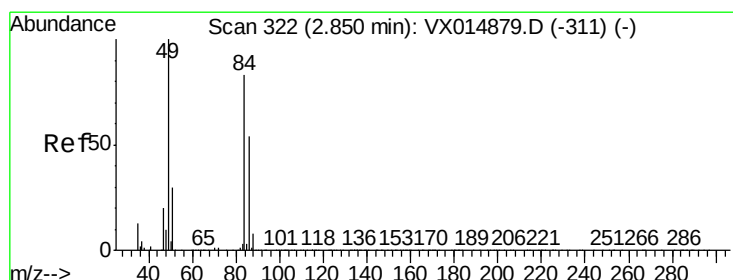
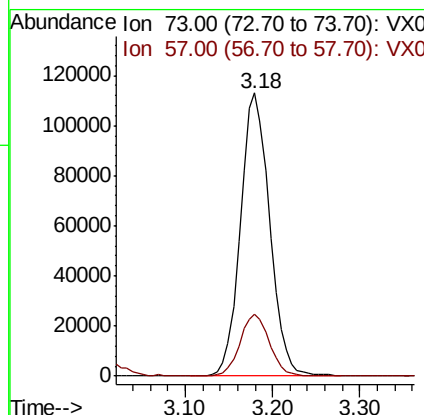
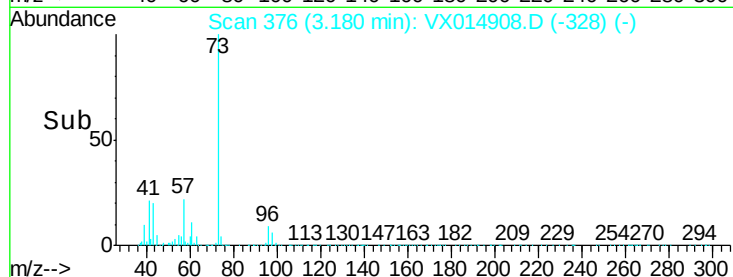
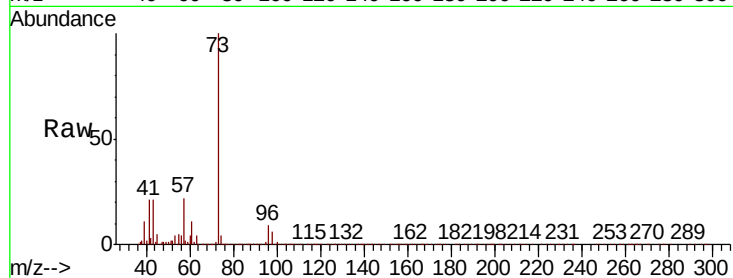
#19
Methyl tert-butyl Ether
Concen: 19.884 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion: 73 Resp: 261999
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.4

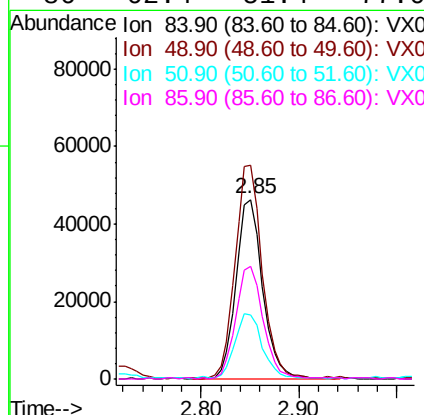
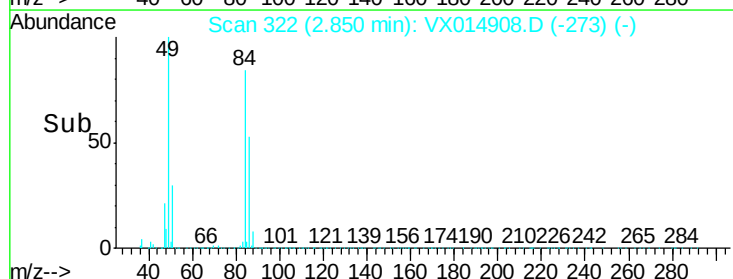
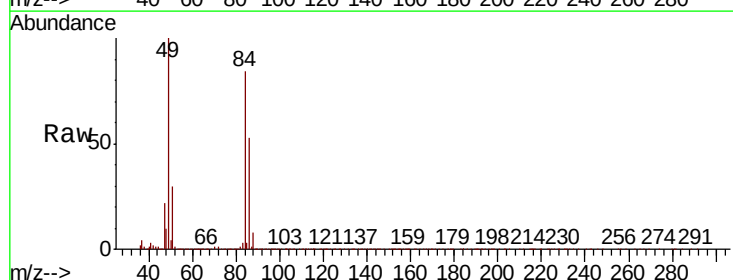
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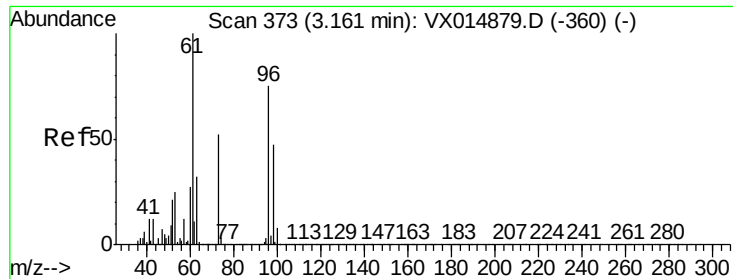
MMDadoda
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#20
Methylene Chloride
Concen: 18.237 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion: 84 Resp: 87453
Ion Ratio Lower Upper
84 100
49 119.1 95.6 143.4
51 35.5 29.0 43.6
86 62.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.848 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

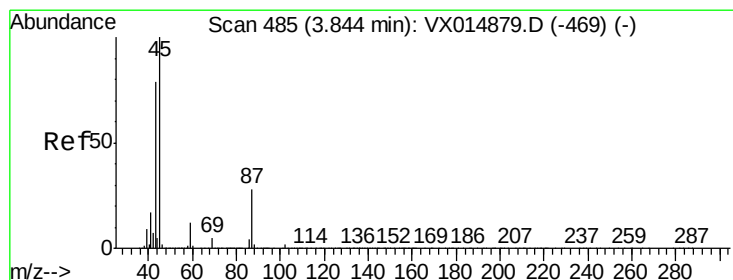
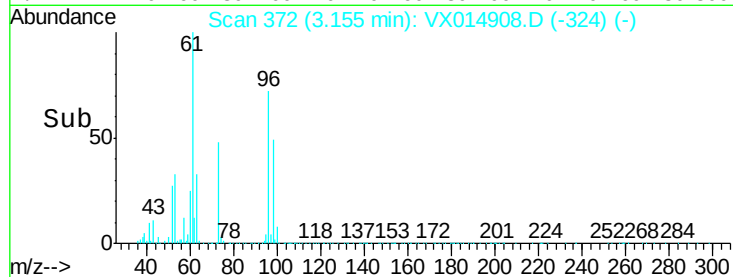
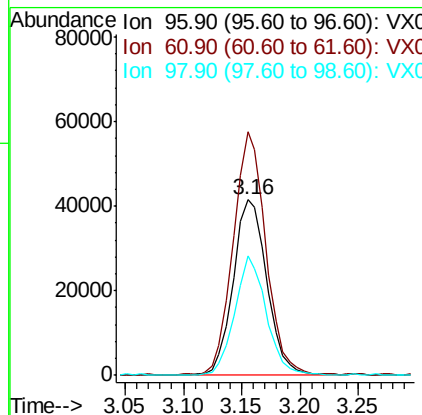
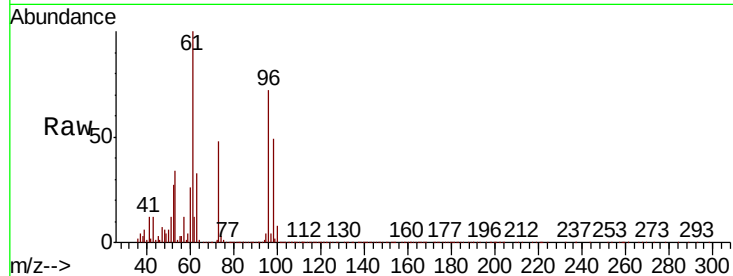
ClientSampleId :

VX0211MBS01

Tot Ion:	96	Resp:	84203
Ion	Ratio	Lower	Upper
96	100		
61	138.0	106.9	160.3
98	67.6	50.7	76.1

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#22

Diisopropyl ether

Concen: 19.829 ug/l

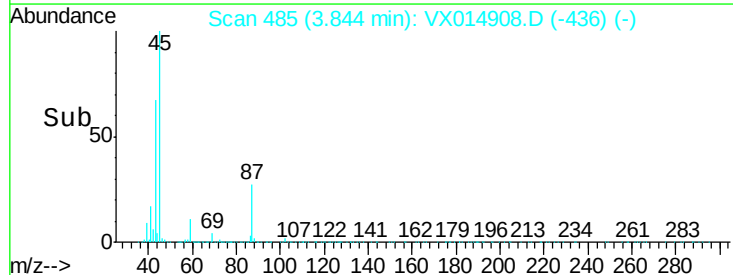
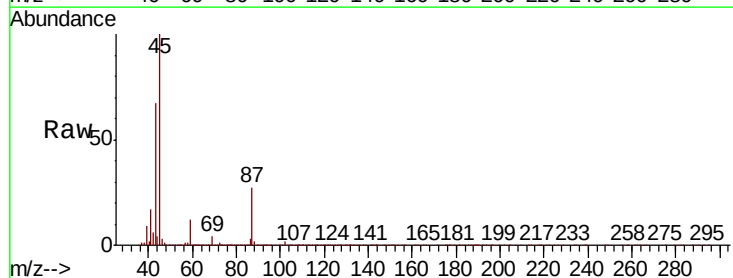
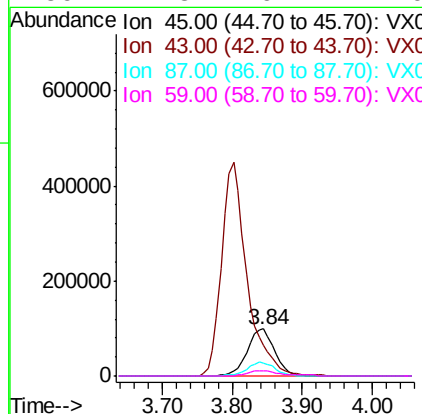
RT: 3.84 min Scan# 485

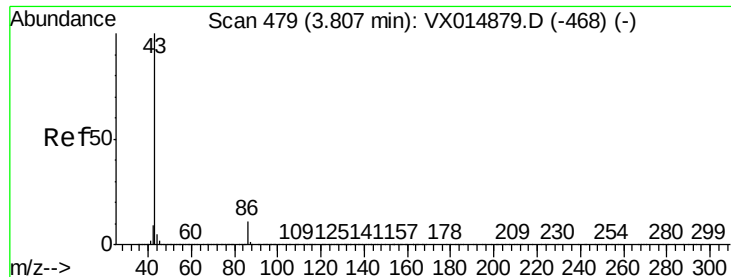
Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	45	Resp:	271857
Ion	Ratio	Lower	Upper
45	100		
43	66.5	63.5	95.3
87	27.4	22.2	33.4
59	11.3	9.4	14.0





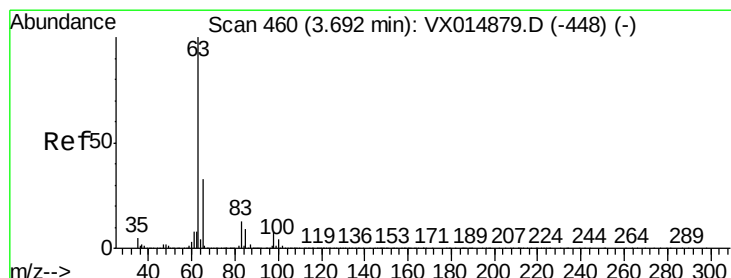
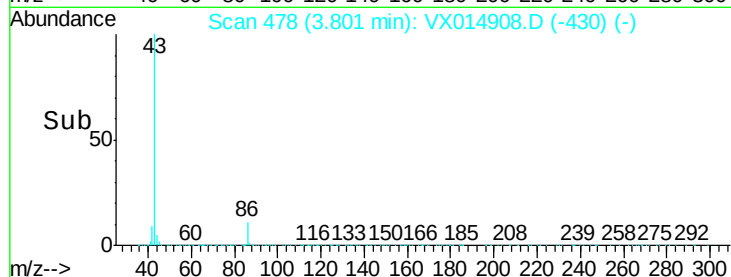
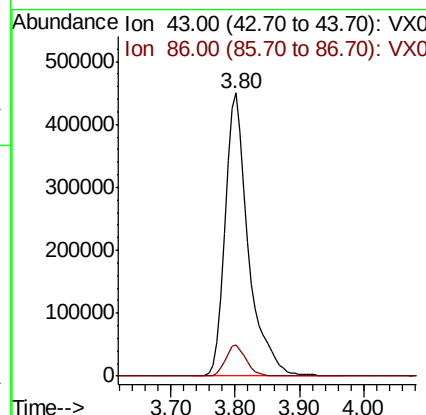
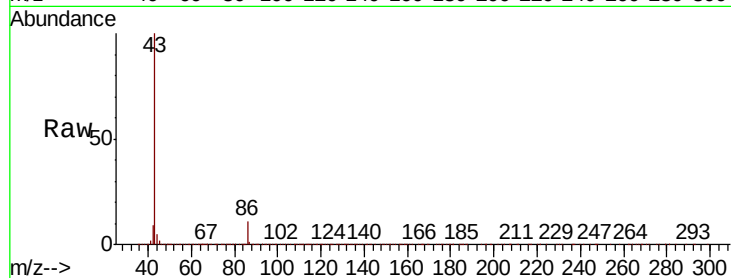
#23
 Vinyl Acetate
 Concen: 100.995 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion: 43 Resp: 1141416
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3

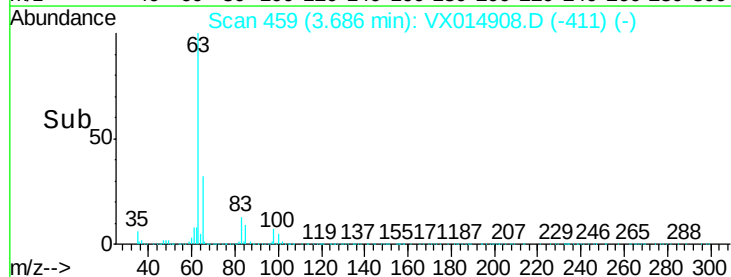
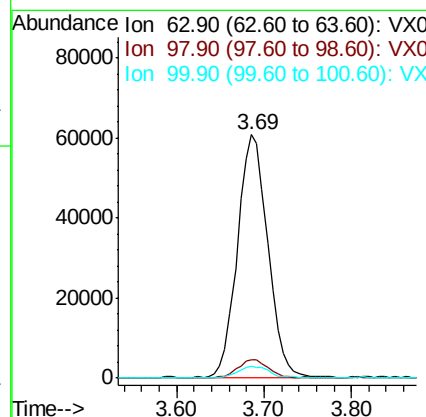
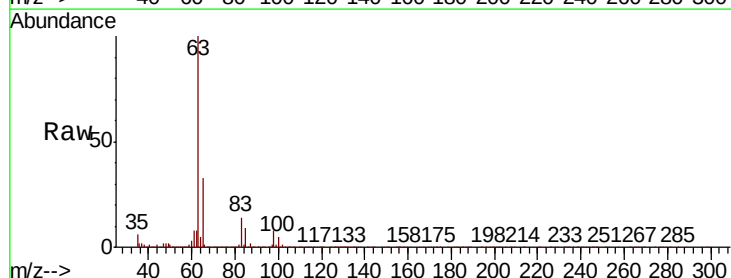
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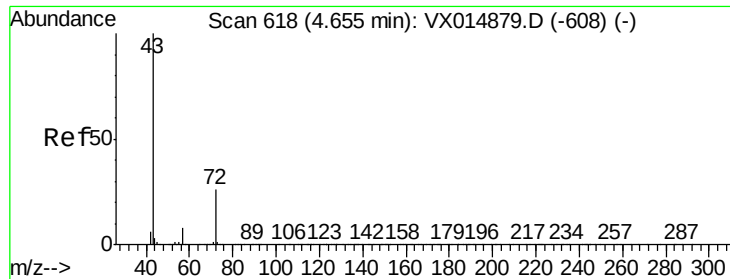
MMDadoda
 2/12/2020 3:04:19 PM



#24
 1,1-Dichloroethane
 Concen: 19.012 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion: 63 Resp: 147105
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.9 11.5
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 100.046 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 43 Resp: 339538

Ion Ratio Lower Upper

43 100

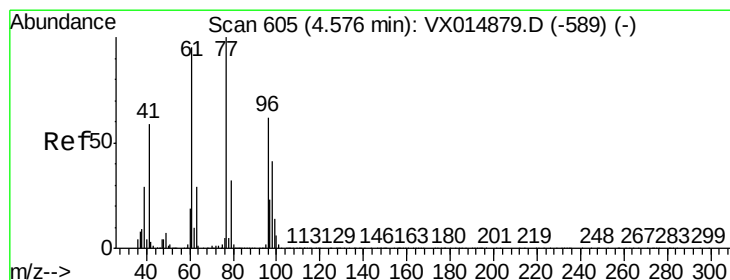
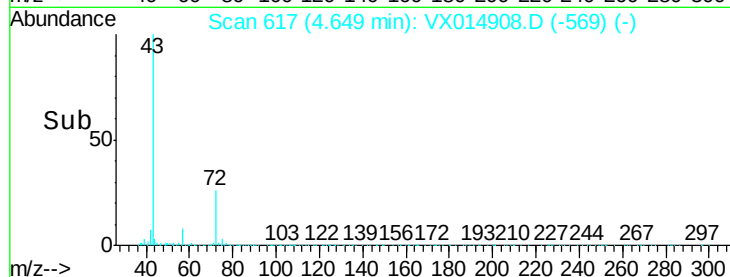
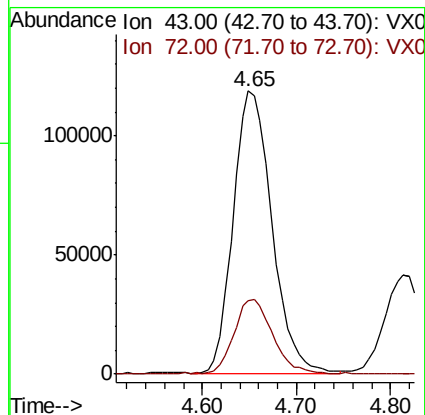
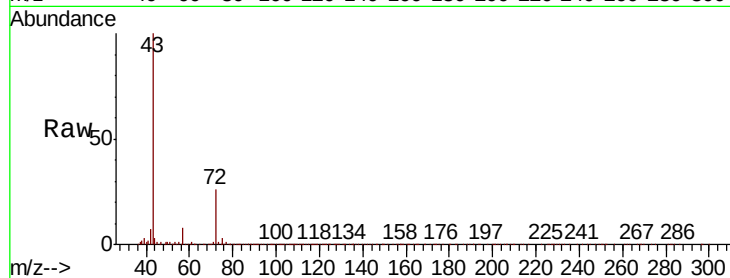
72 25.7 21.0 31.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.520 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX014908.D

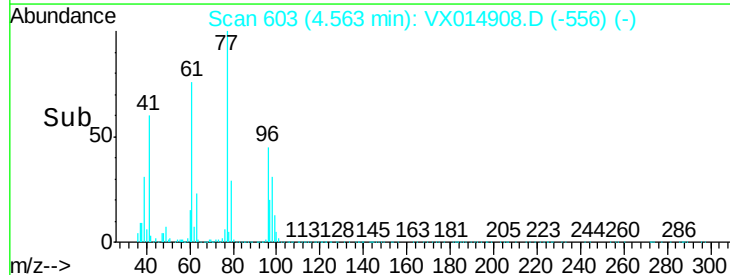
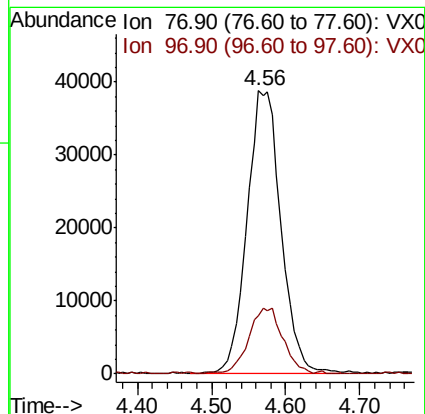
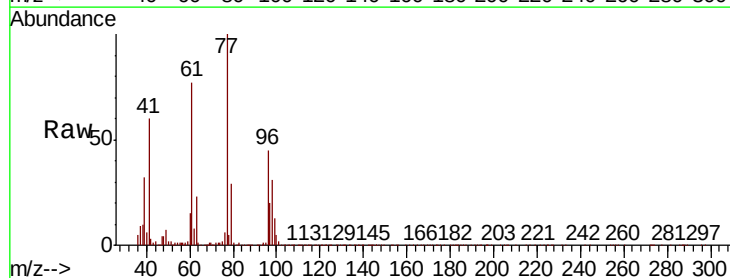
Acq: 11 Feb 2020 12:01

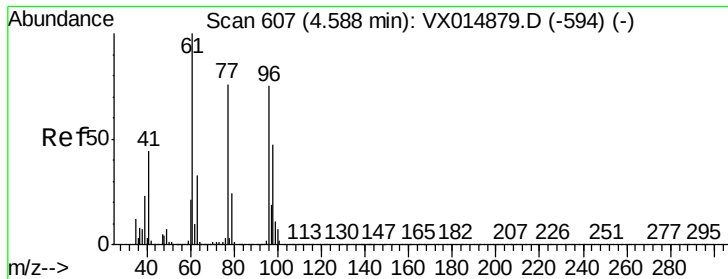
Tgt Ion: 77 Resp: 123493

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





#27

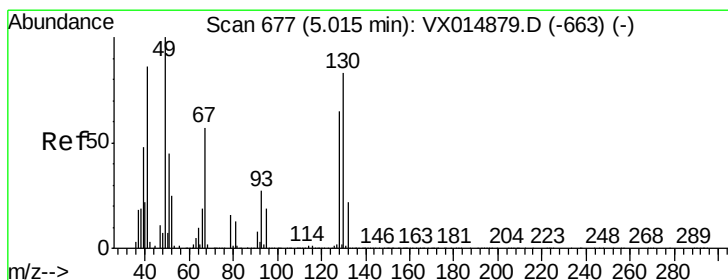
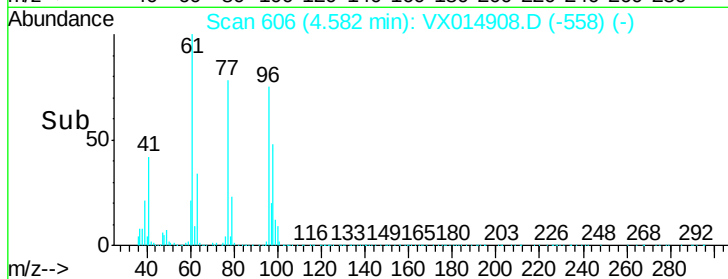
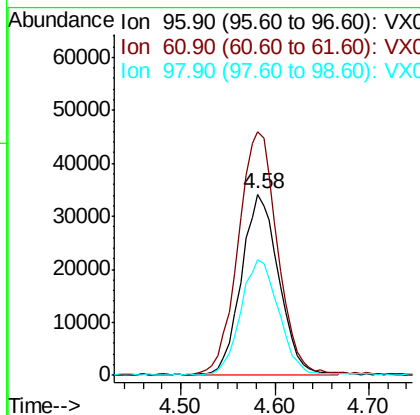
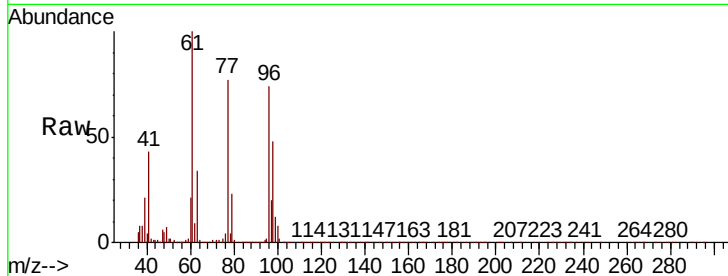
cis-1,2-Dichloroethene
Concen: 18.972 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	286.2
98	65.4	0.0	131.0

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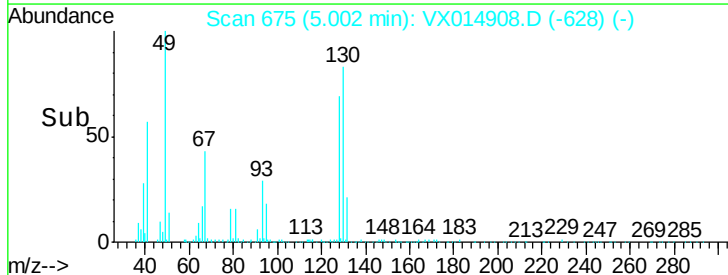
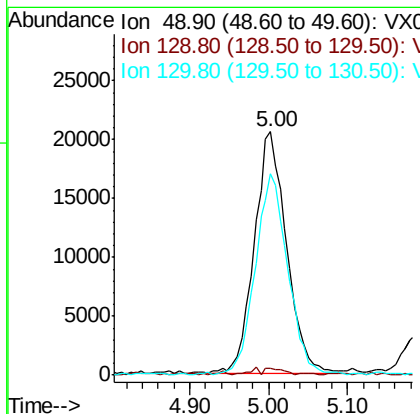
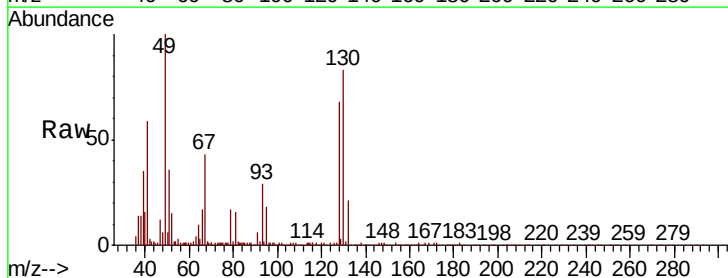
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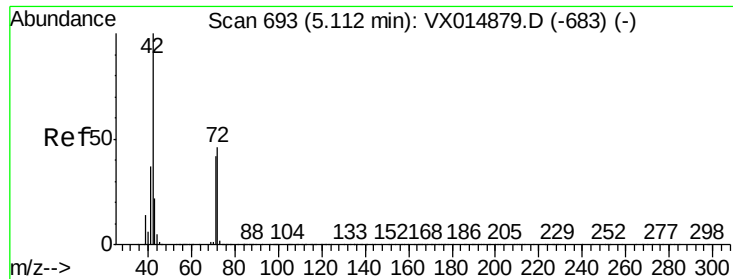


#28

Bromochloromethane
Concen: 19.251 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.2
130	85.2	67.4	101.2





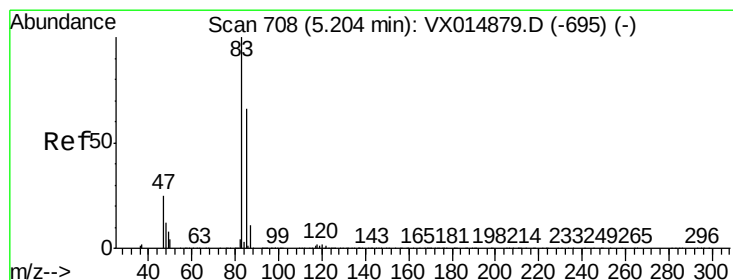
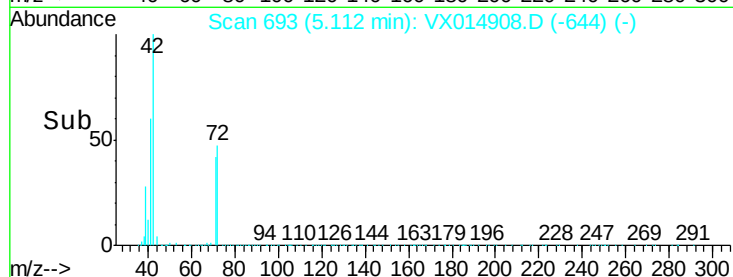
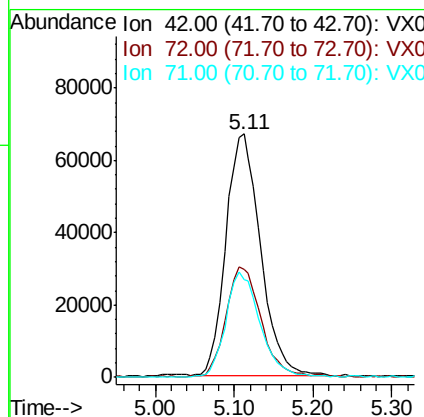
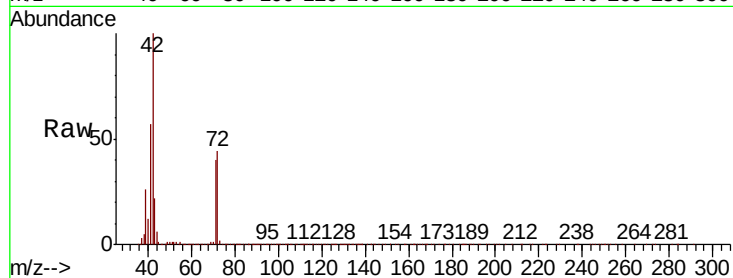
#29
Tetrahydrofuran
Concen: 105.364 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	36.9	55.3
71	43.0	34.1	51.1

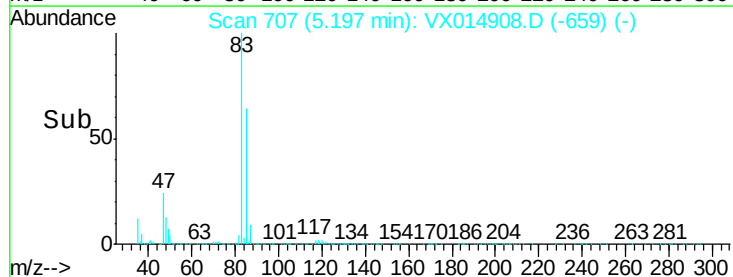
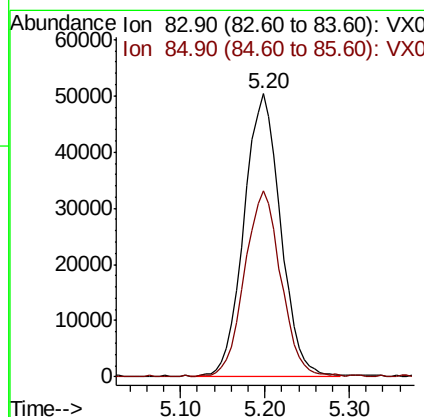
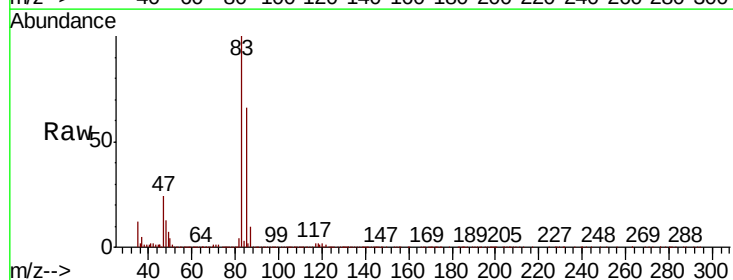
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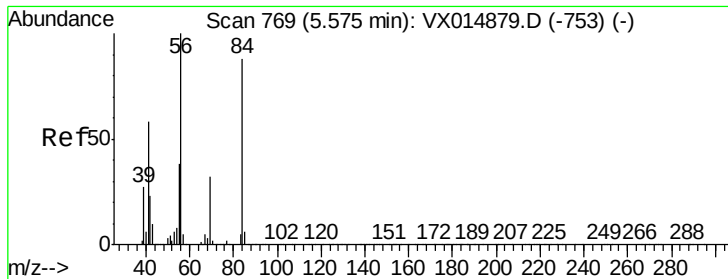
MMDadoda
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#30
Chloroform
Concen: 19.226 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.9	79.3





#31

Cyclohexane

Concen: 18.700 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

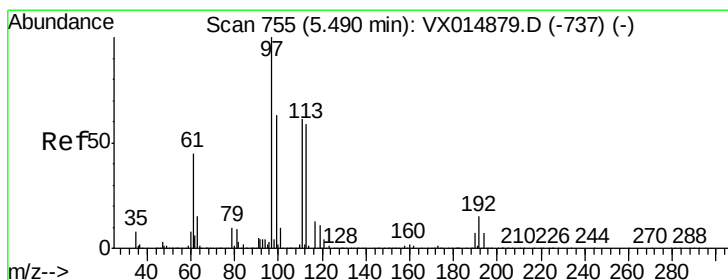
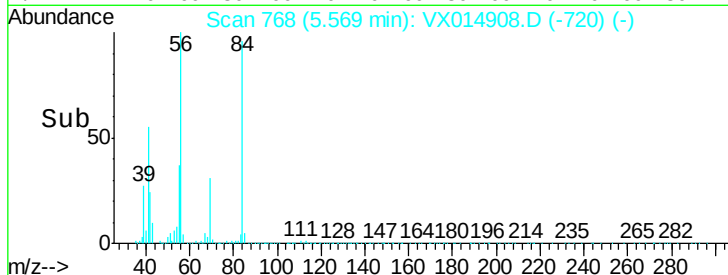
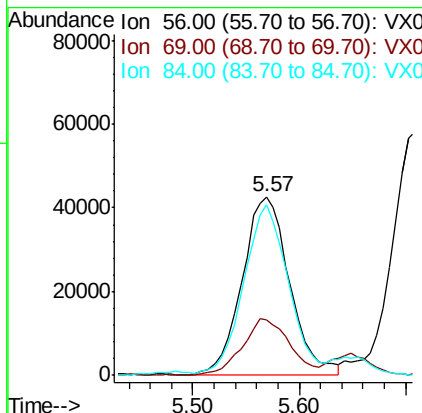
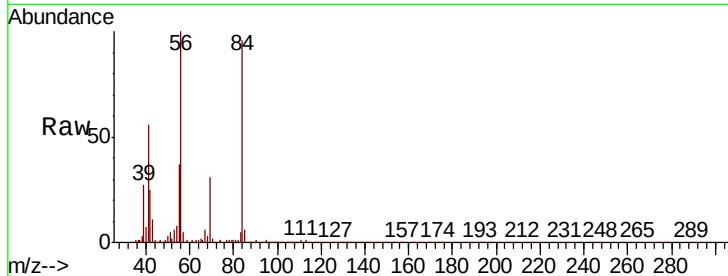
ClientSampleId :

VX0211MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.9	38.9
84	94.7	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 18.645 ug/l

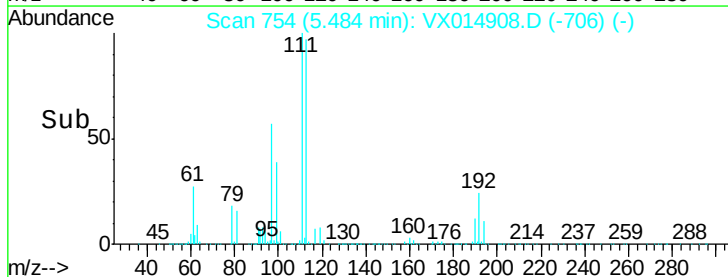
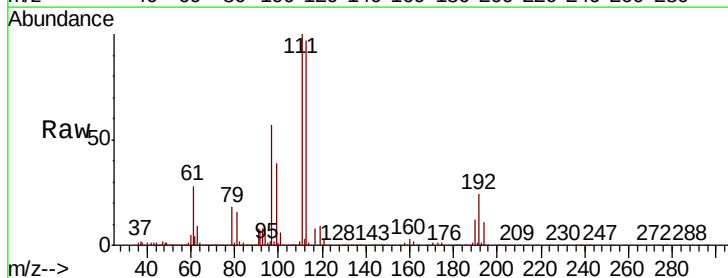
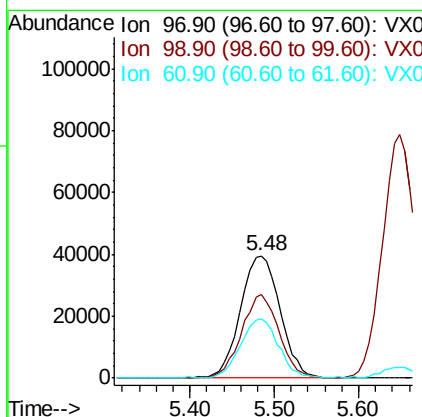
RT: 5.48 min Scan# 754

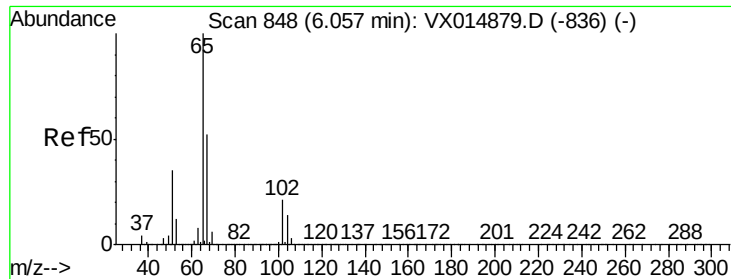
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	46.0	36.3	54.5





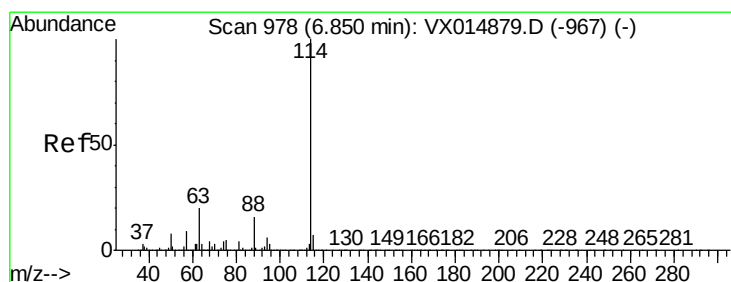
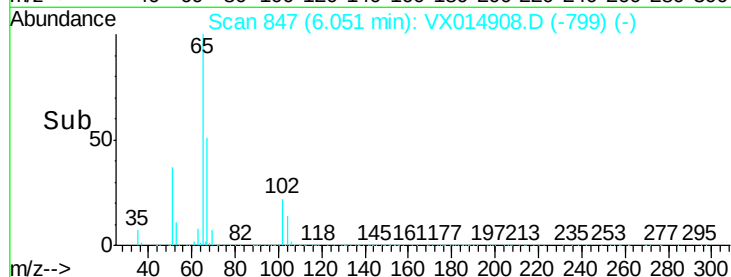
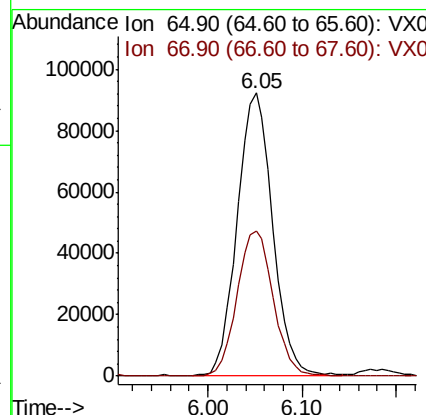
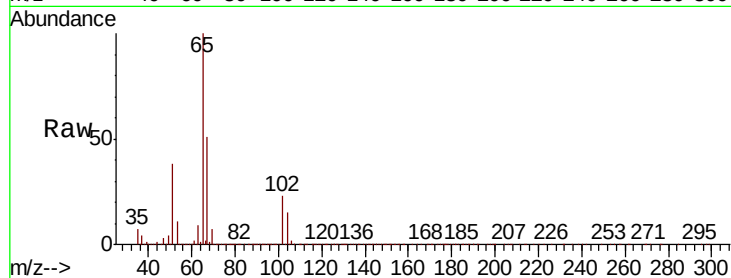
#33
 1,2-Dichloroethane-d4
 Concen: 48.494 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

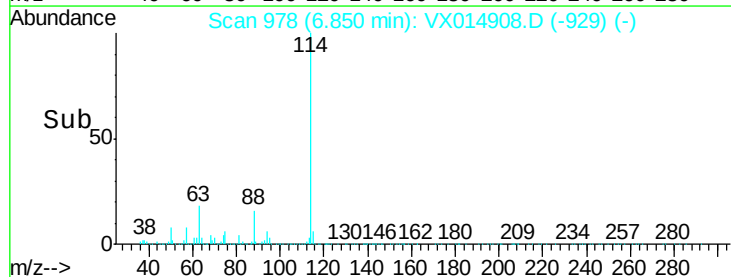
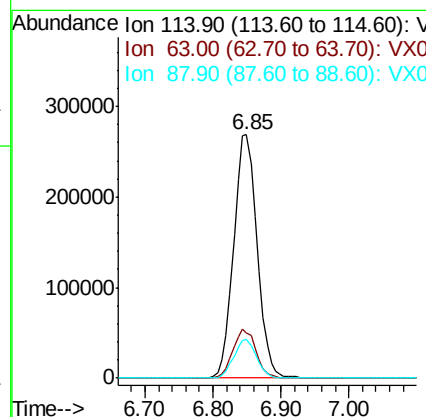
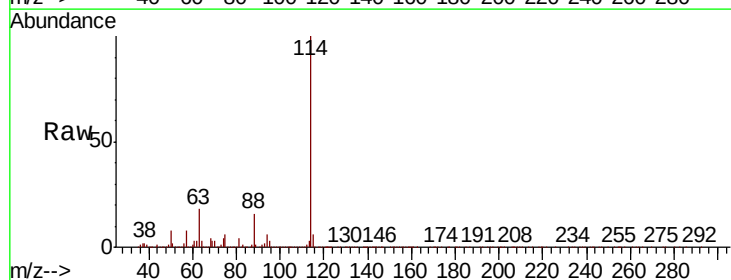
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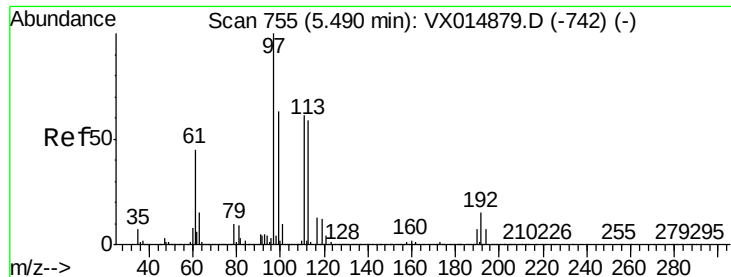
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	39.2
88	15.8	0.0	32.0





#35

Dibromofluoromethane

Concen: 49.203 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

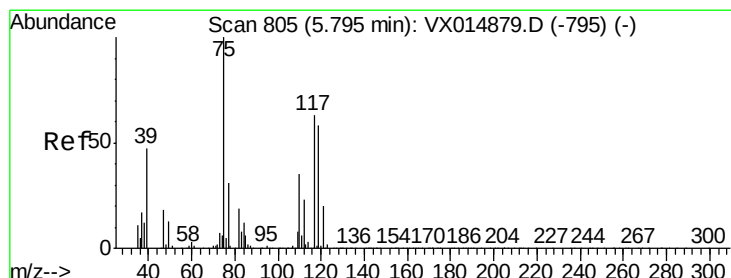
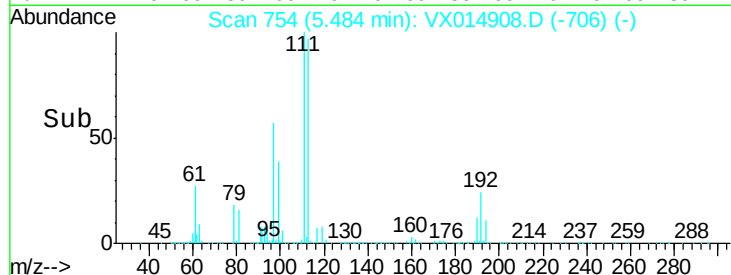
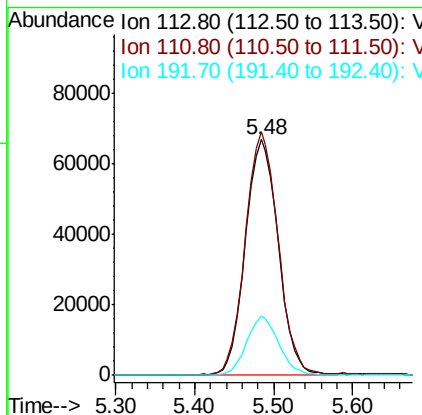
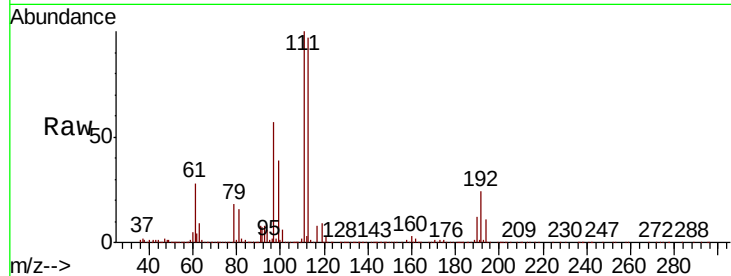
ClientSampleId :

VX0211MBS01

Tot Ion:	113	Resp:	194729
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.4	123.6
192	24.6	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.220 ug/l

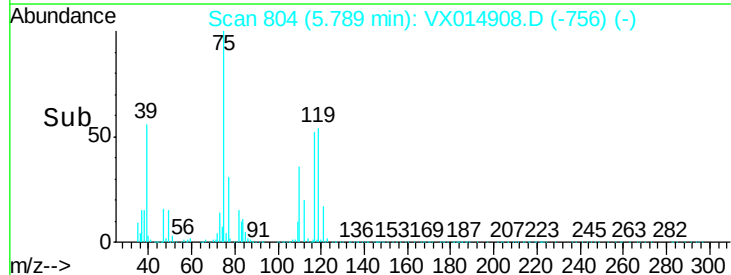
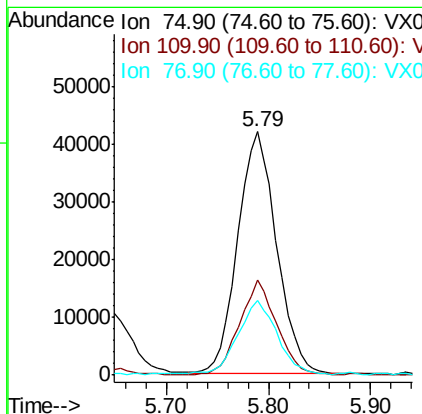
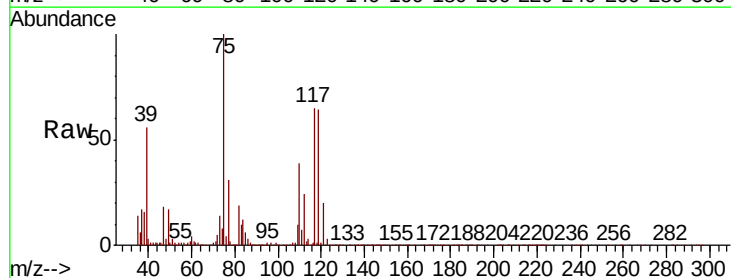
RT: 5.79 min Scan# 804

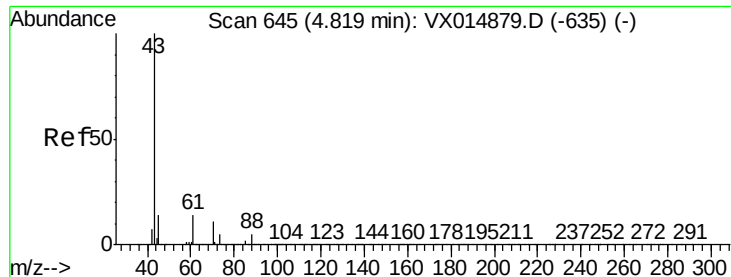
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	75	Resp:	110682
Ion Ratio	Lower	Upper	
75	100		
110	37.9	18.3	54.8
77	31.0	24.6	36.8





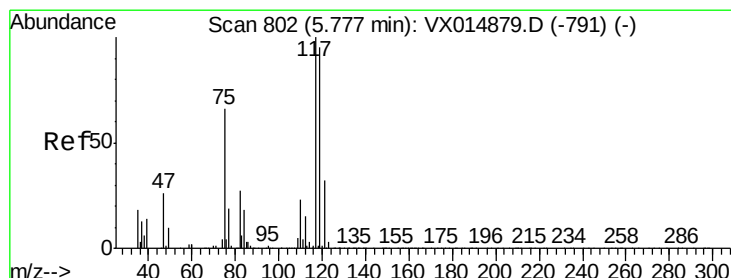
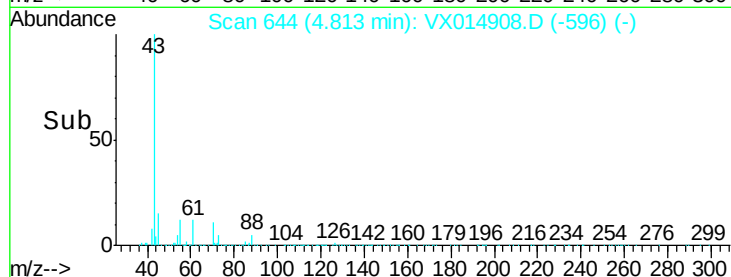
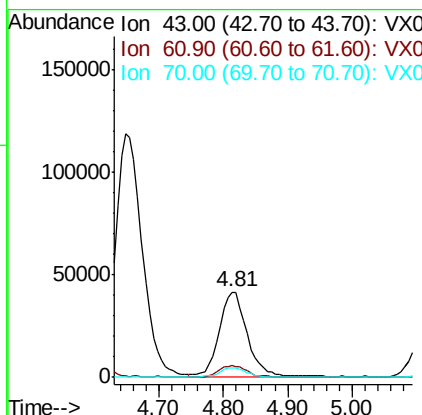
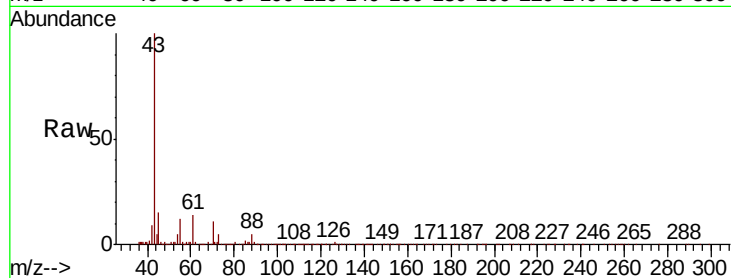
#37
Ethyl Acetate
Concen: 20.879 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	10.7	8.7	13.1

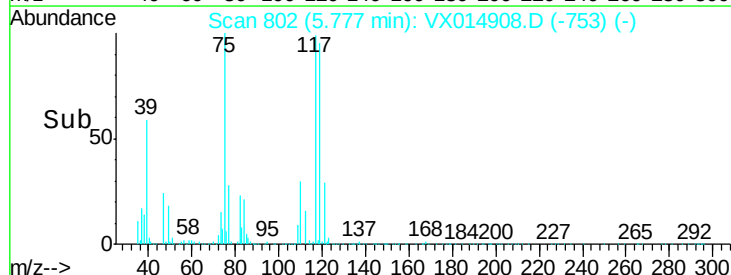
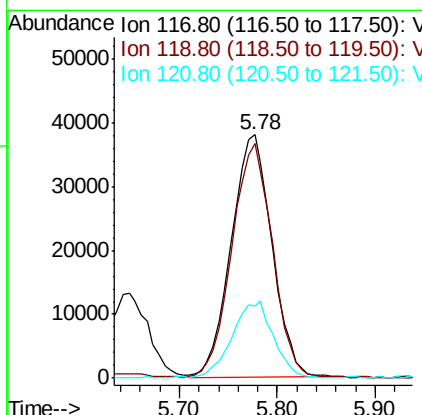
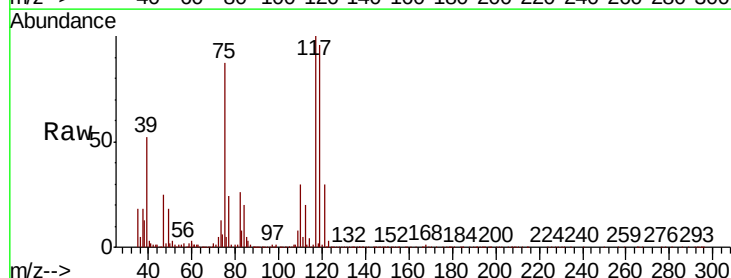
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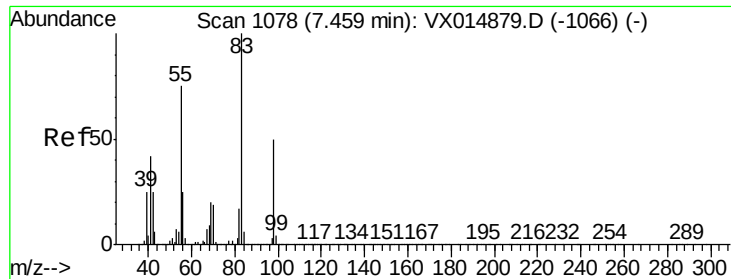
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#38
Carbon Tetrachloride
Concen: 19.545 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.0	114.0
121	29.6	25.4	38.2





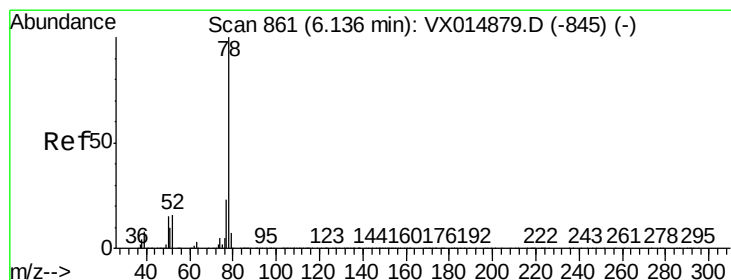
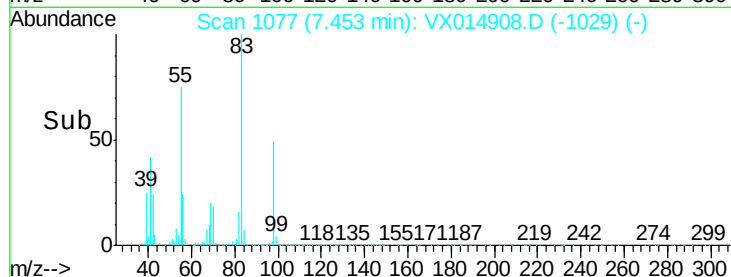
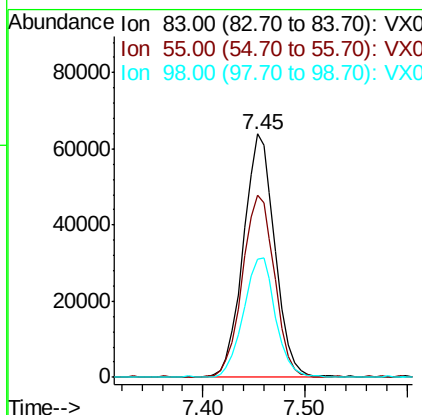
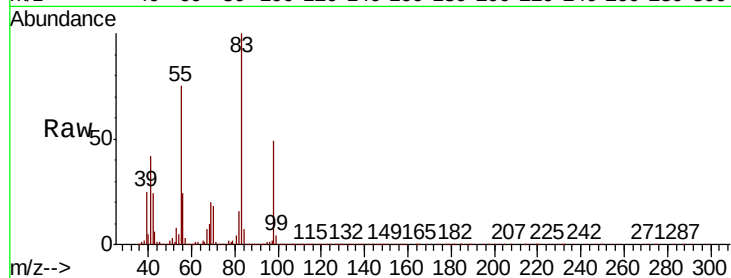
#39
Methylvlcyclohexane
Concen: 19.041 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.0	90.0
98	48.4	39.6	59.4

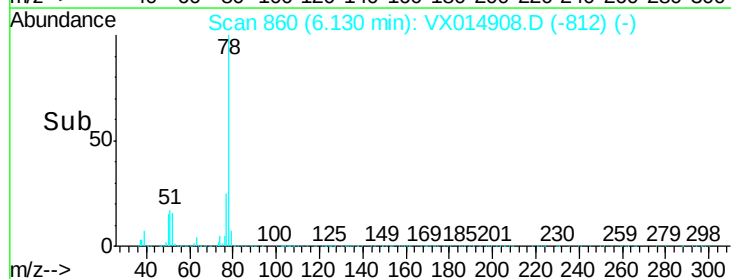
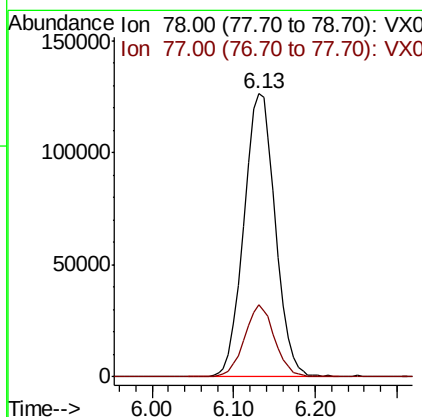
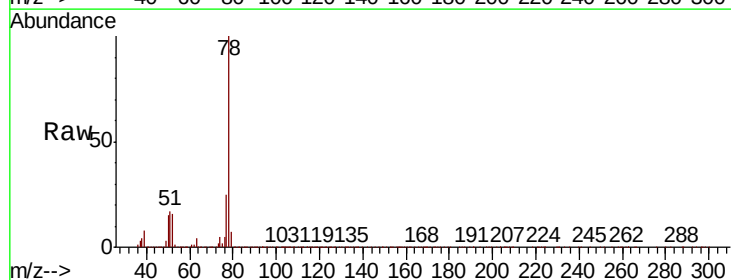
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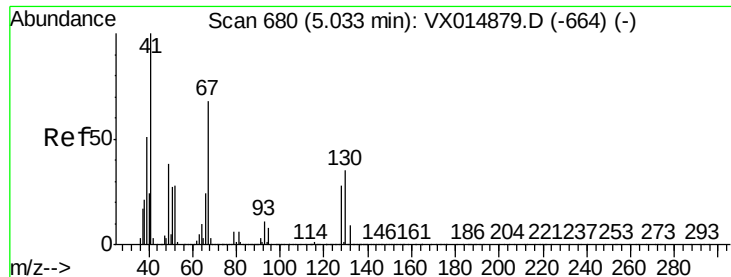
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#40
Benzene
Concen: 19.673 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2





#41

Methacrylonitrile

Concen: 21.097 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

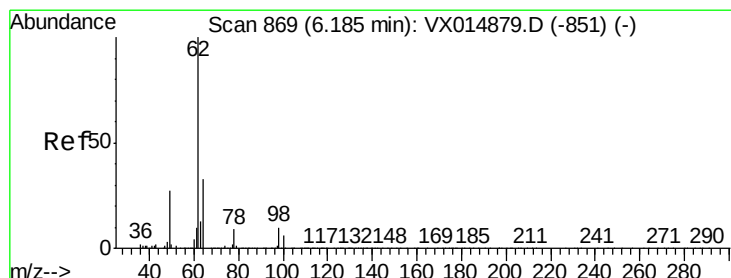
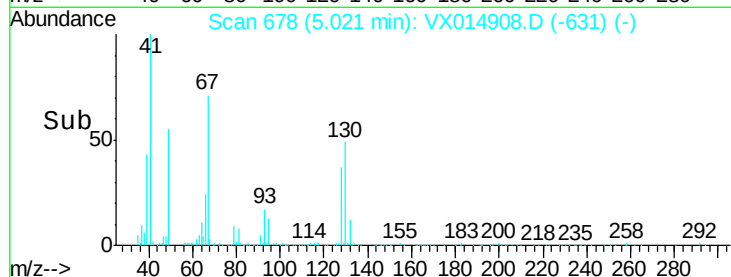
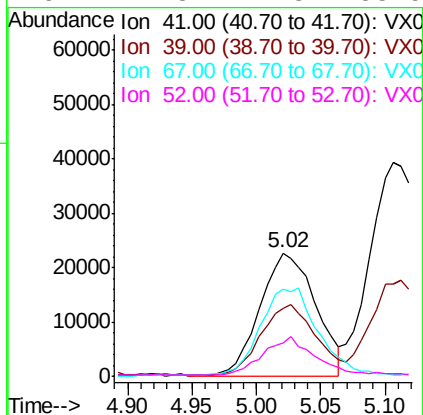
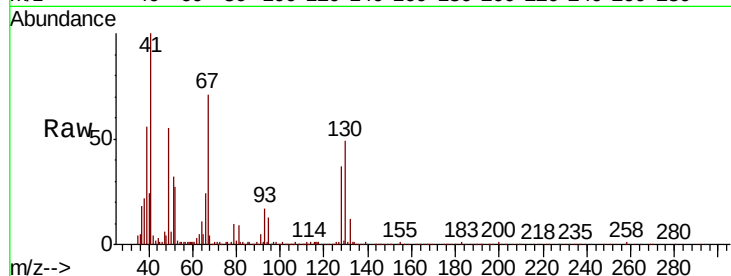
ClientSampleId :

VX0211MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	44.7	67.1	
67	72.4	56.6	84.8	
52	27.8	22.3	33.5	

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#42

1,2-Dichloroethane

Concen: 19.659 ug/l

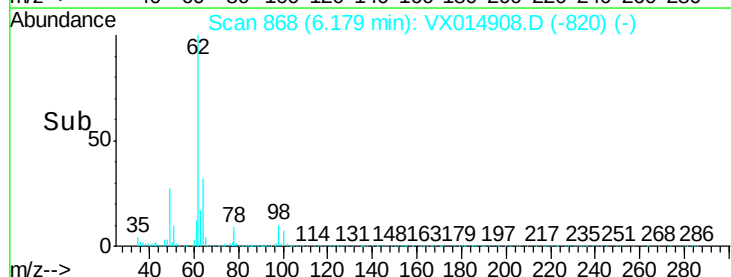
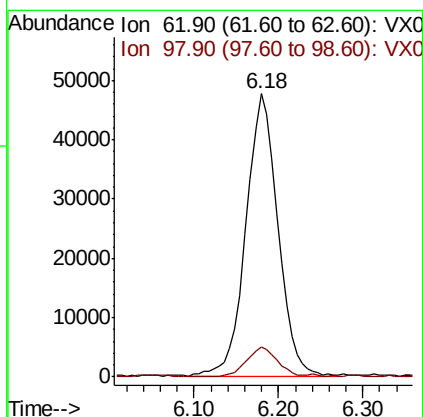
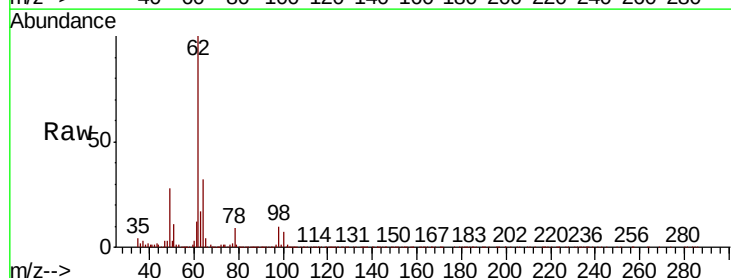
RT: 6.18 min Scan# 868

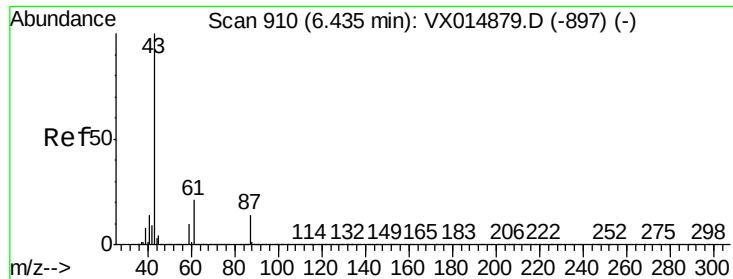
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	19.2	





#43

Isopropyl Acetate

Concen: 20.445 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

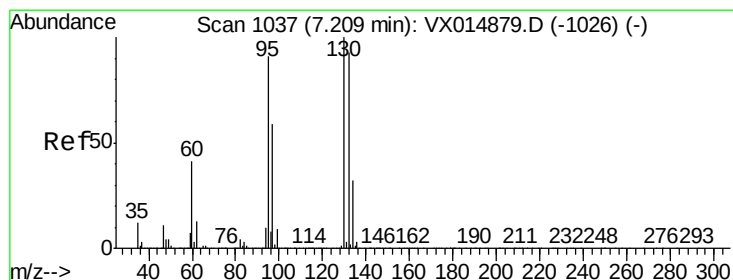
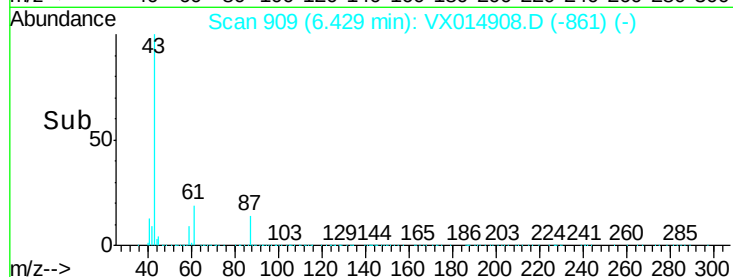
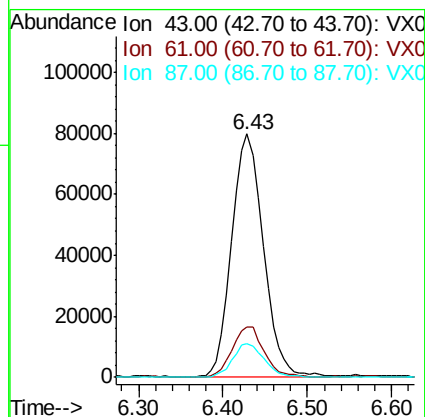
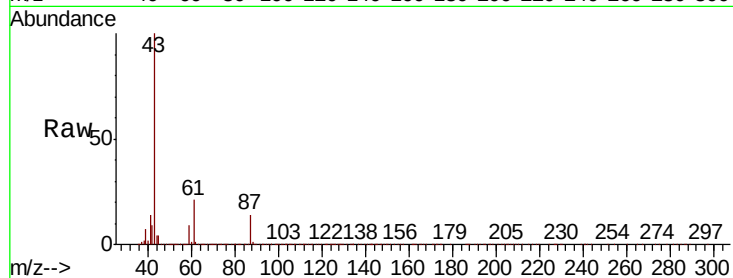
ClientSampleId :

VX0211MBS01

Tot Ion:	43	Resp:	202563
Ion Ratio		Lower	Upper
43	100		
61	20.5	16.2	24.4
87	13.6	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.245 ug/l

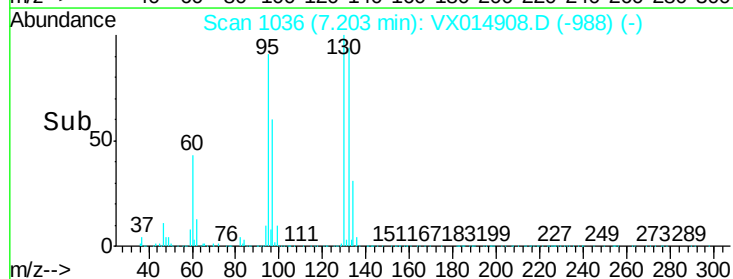
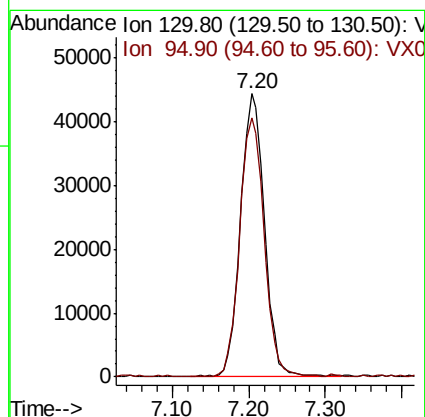
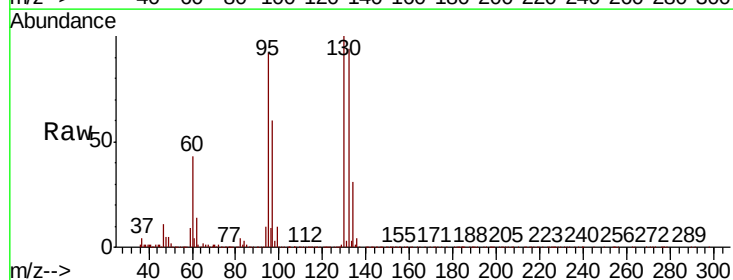
RT: 7.20 min Scan# 1036

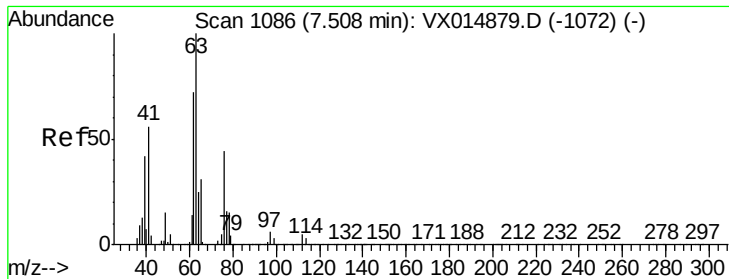
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	130	Resp:	96127
Ion Ratio		Lower	Upper
130	100		
95	91.4	0.0	182.6





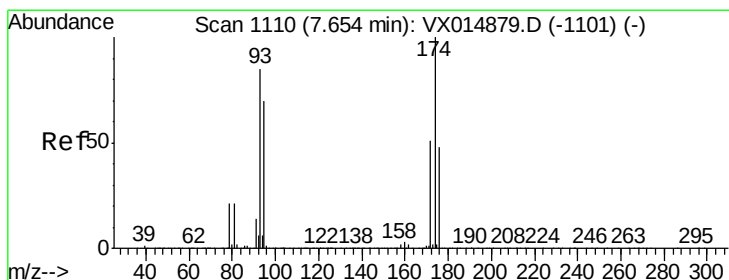
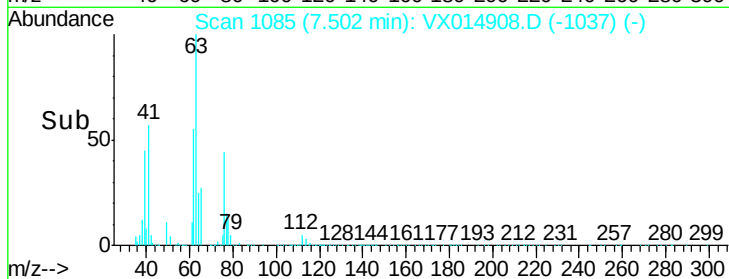
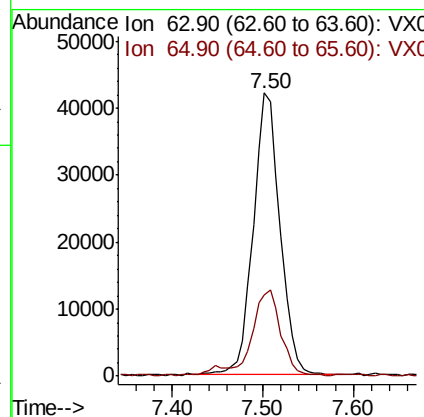
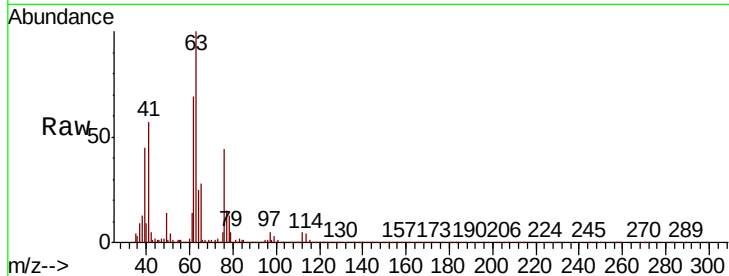
#45
 1,2-Dichloropropane
 Concen: 19.599 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.0	24.9	37.3

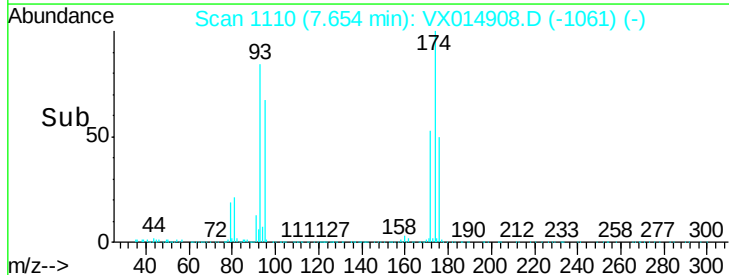
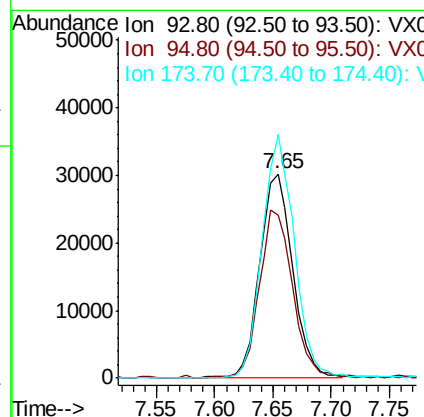
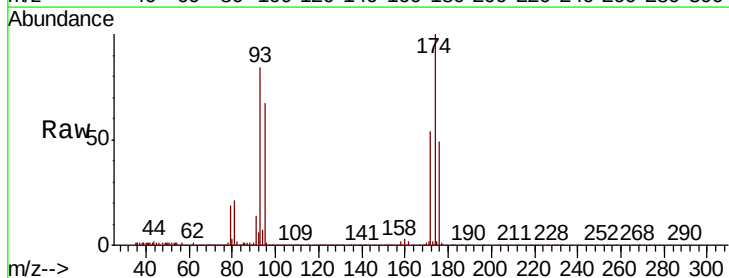
Manual Integrations
 APPROVED

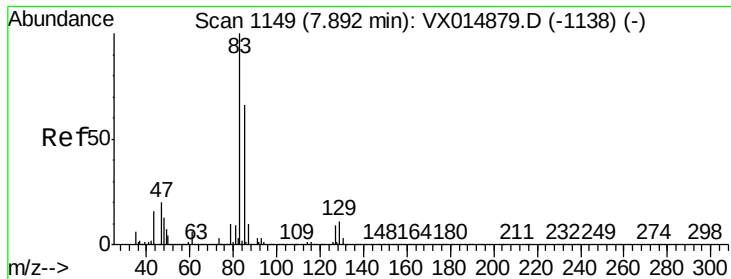
MMDadoda
 2/12/2020 3:04:19 PM



#46
 Dibromomethane
 Concen: 19.714 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.8
174	118.2	95.4	143.2





#47

Bromodichloromethane

Concen: 19.332 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

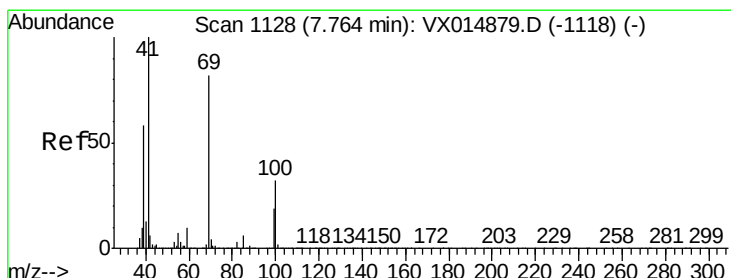
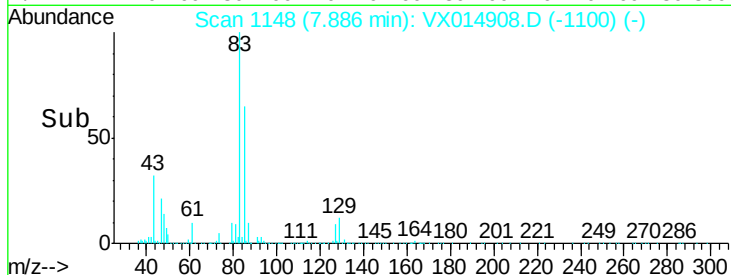
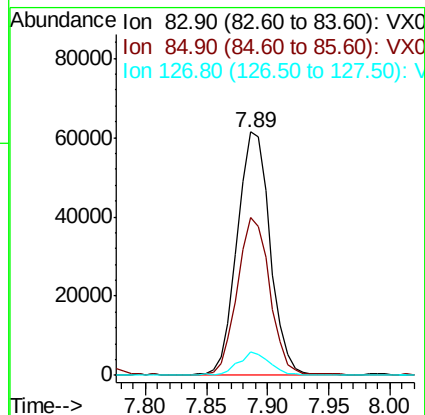
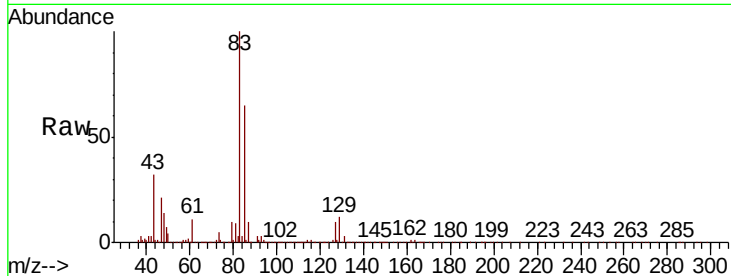
ClientSampleId :

VX0211MBS01

Tot Ion:	83	Resp:	114970
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.5	78.7
127	9.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:04:19 PM



#48

Methyl methacrylate

Concen: 20.211 ug/l

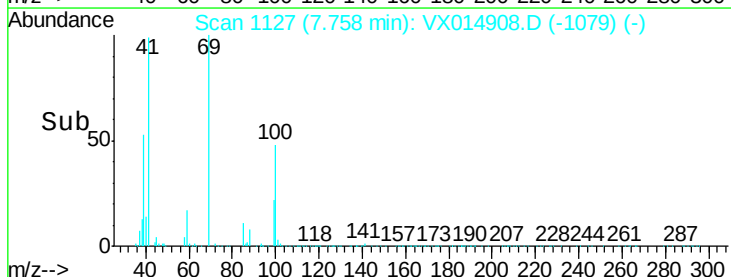
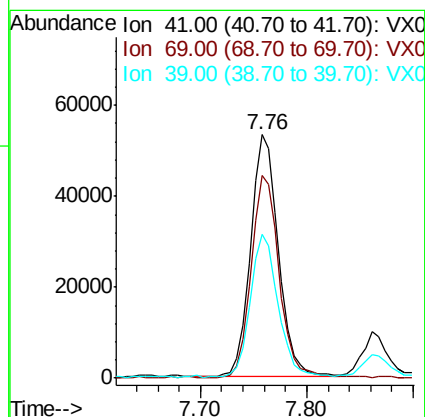
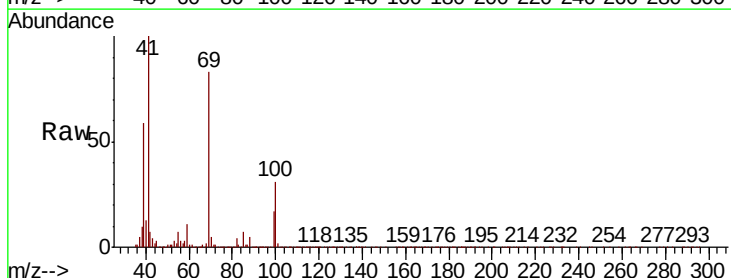
RT: 7.76 min Scan# 1127

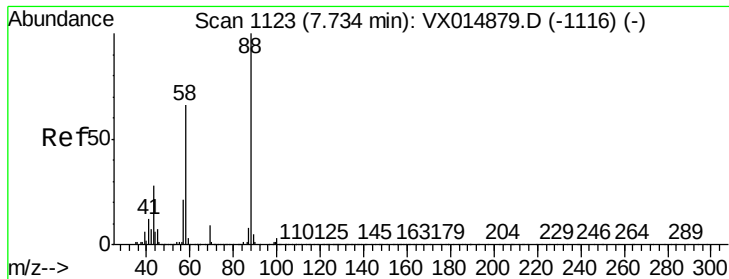
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	41	Resp:	98549
Ion Ratio	Lower	Upper	
41	100		
69	83.7	65.7	98.5
39	57.7	45.8	68.8





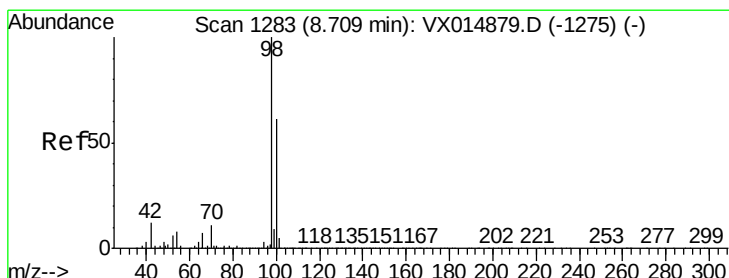
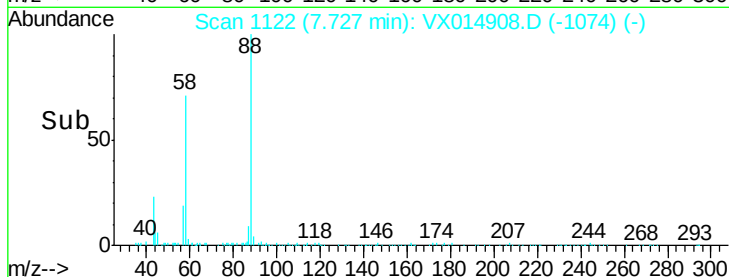
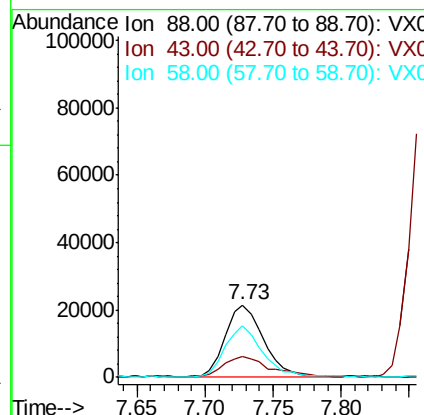
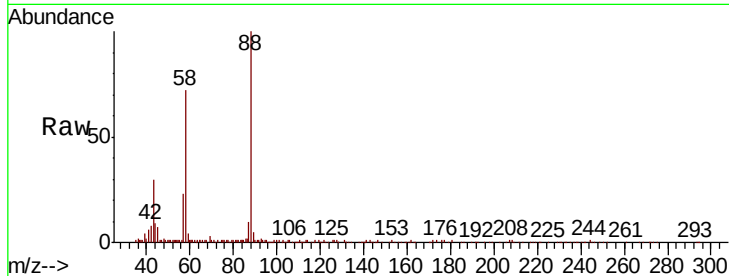
#49
1,4-Dioxane
Concen: 453.777 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.0	40.4
58	70.5	53.2	79.8

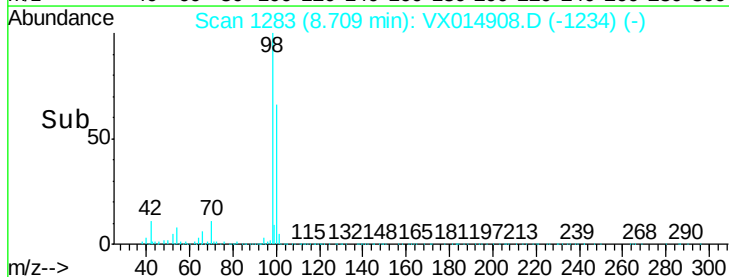
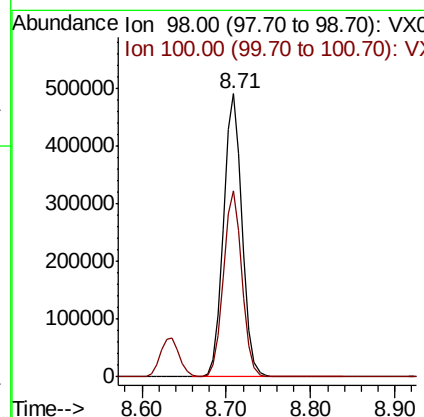
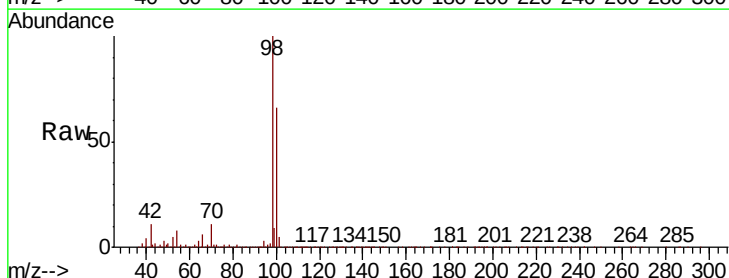
Manual Integrations
APPROVED

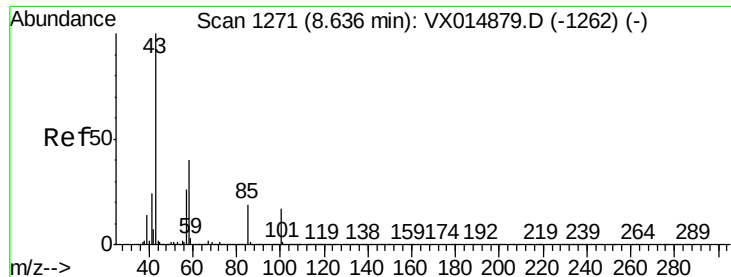
MMDadoda
2/12/2020 3:04:19 PM



#50
Toluene-d8
Concen: 49.225 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 105.886 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 43 Resp: 633477

Ion Ratio Lower Upper

43 100

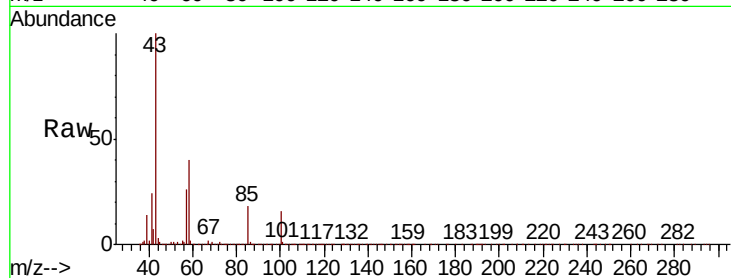
58 40.0 31.9 47.9

Manual Integrations

APPROVED

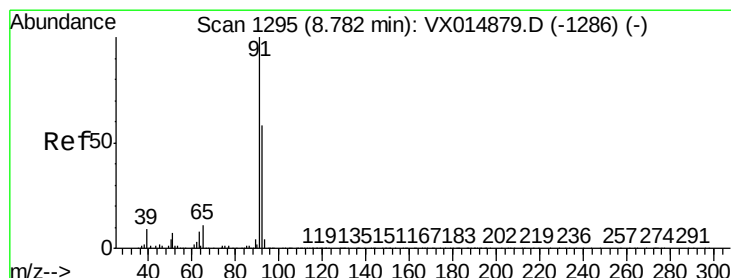
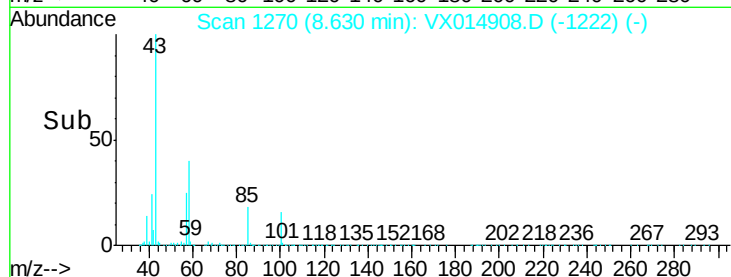
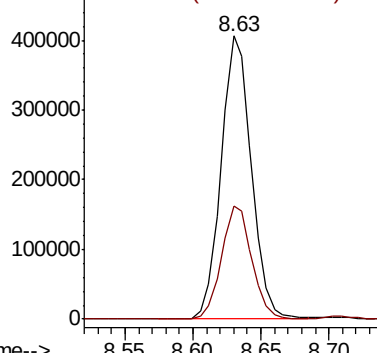
MMDadoda

2/12/2020 3:04:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.520 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014908.D

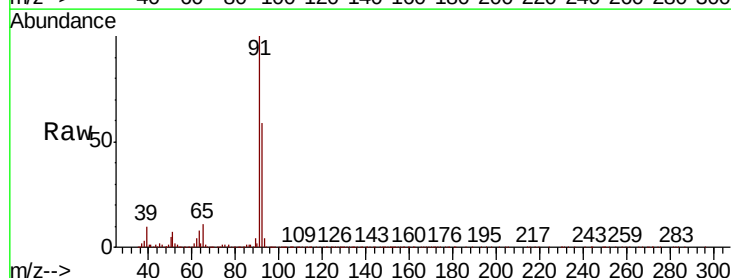
Acq: 11 Feb 2020 12:01

Tgt Ion: 92 Resp: 213316

Ion Ratio Lower Upper

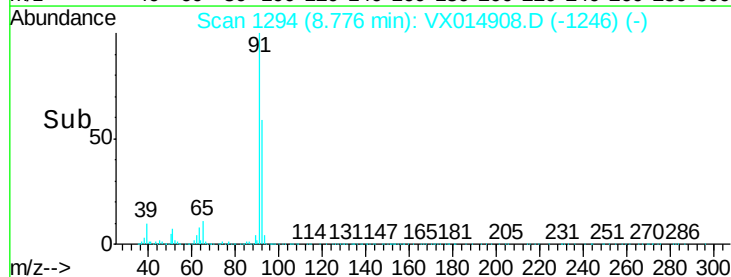
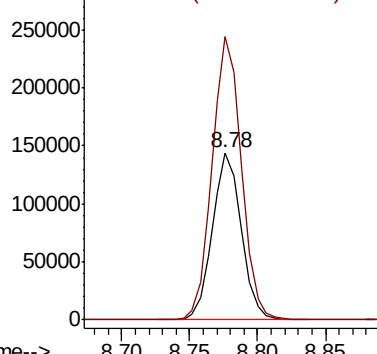
92 100

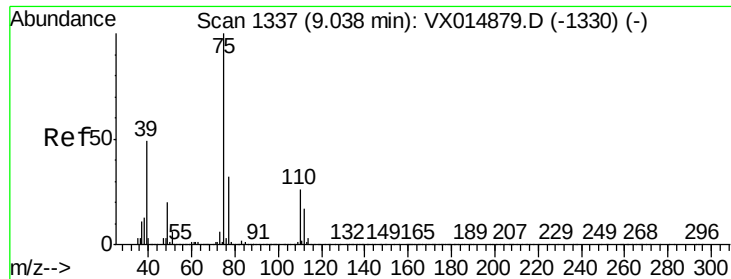
91 172.1 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





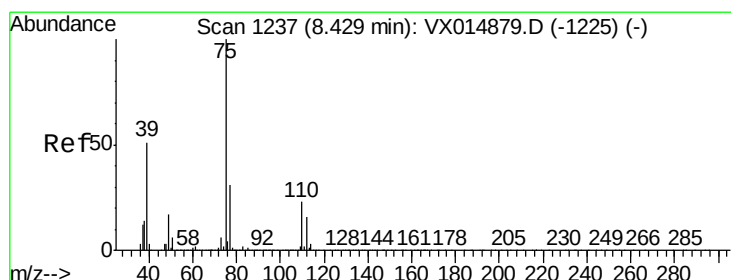
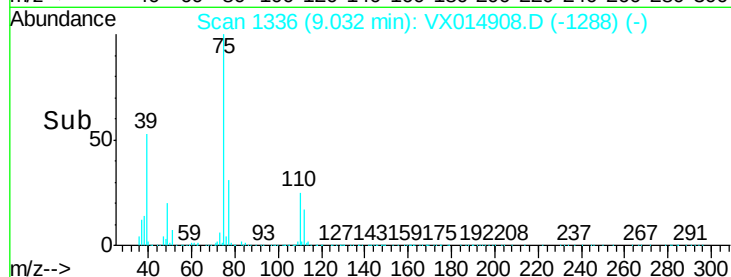
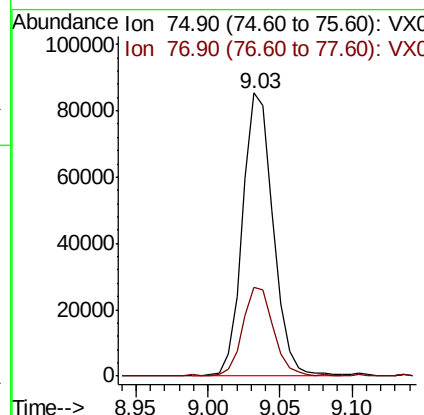
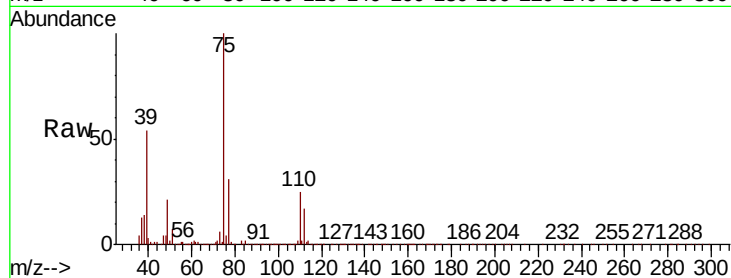
#53
t-1,3-Dichloropropene
Concen: 19.283 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

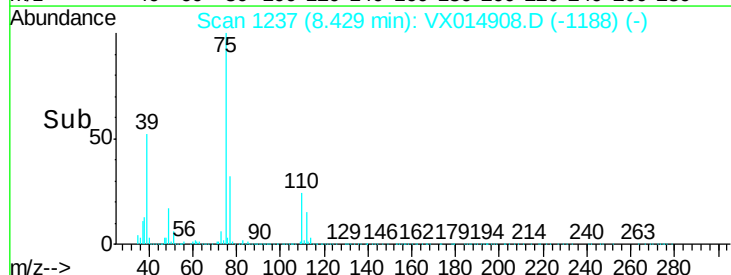
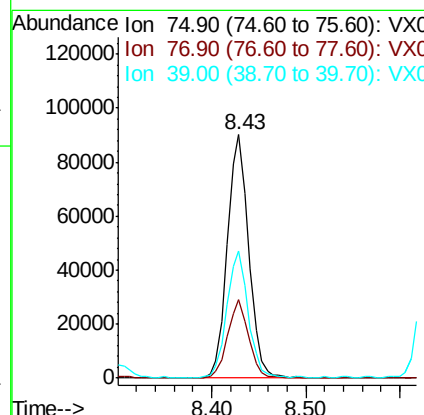
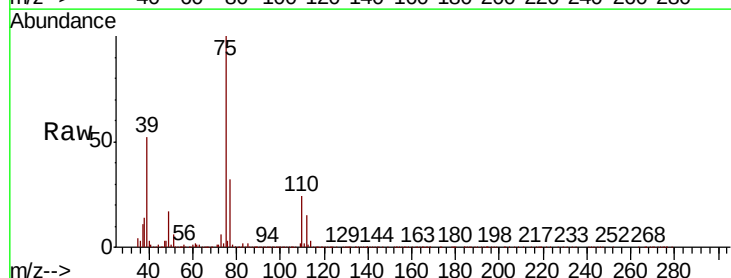
Manual Integrations
APPROVED

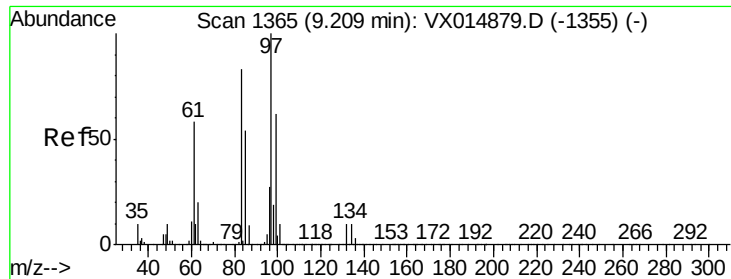
MMDadoda
2/12/2020 3:04:19 PM



#54
cis-1,3-Dichloropropene
Concen: 19.610 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	37.0
39	52.1	40.9	61.3





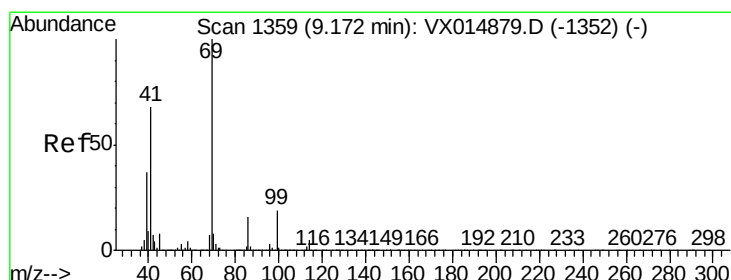
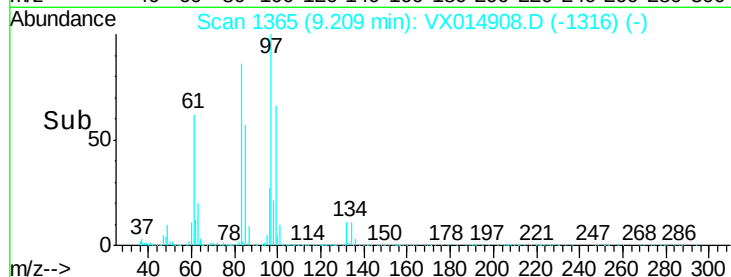
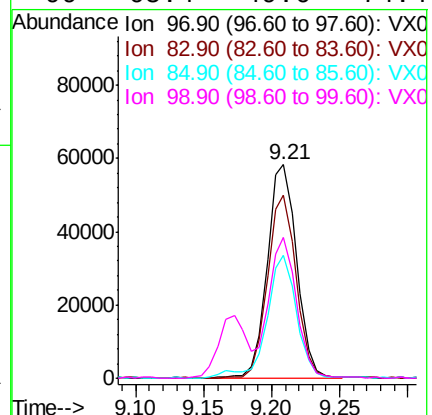
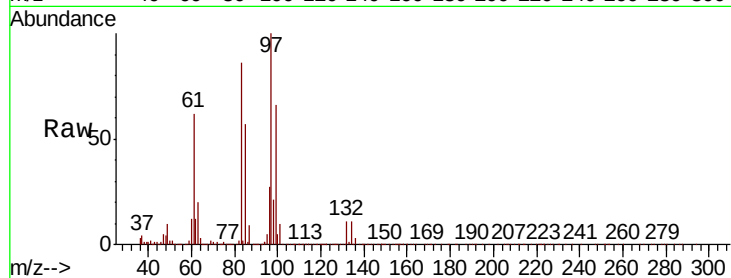
#55
 1,1,2-Trichloroethane
 Concen: 19.946 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88186		
83	85.4	66.6	99.8		
85	57.3	43.5	65.3		
99	65.4	49.6	74.4		

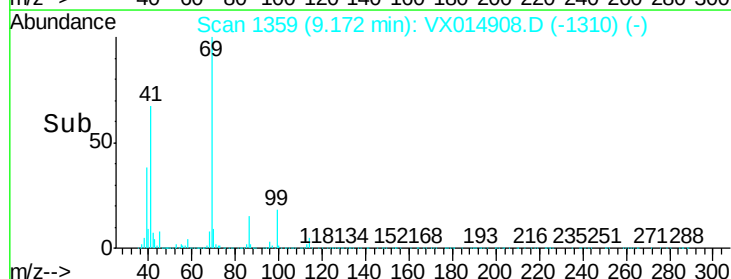
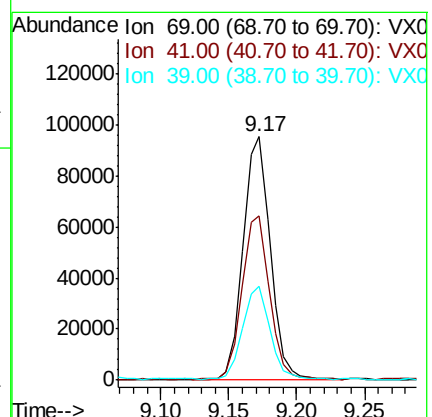
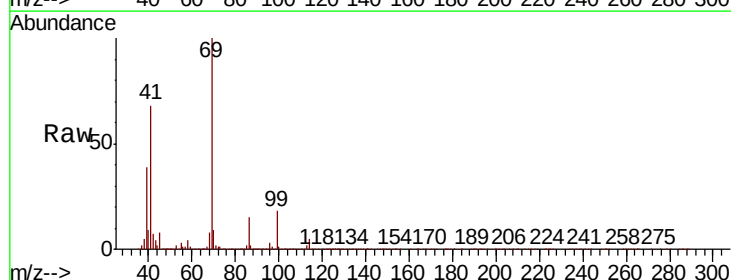
Manual Integrations
 APPROVED

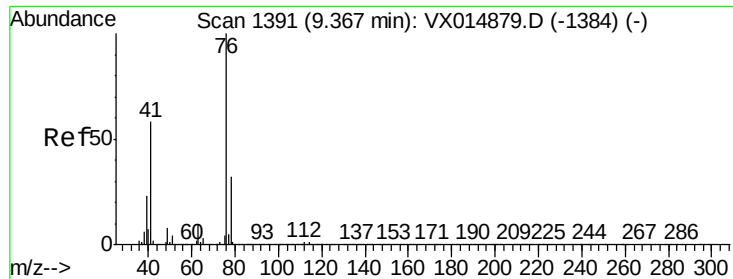
MMDadoda
 2/12/2020 3:04:19 PM



#56
 Ethyl methacrylate
 Concen: 20.043 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133197		
41	68.4	54.8	82.2		
39	38.4	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 19.971 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 76 Resp: 148636

Ion Ratio Lower Upper

76 100

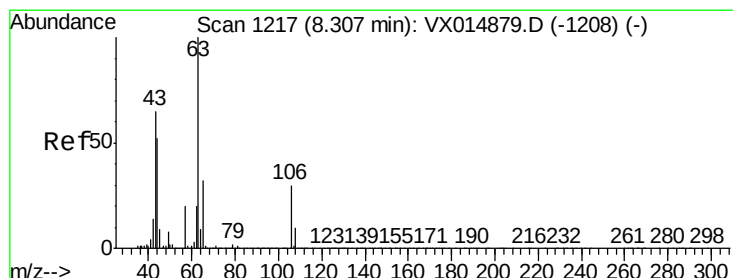
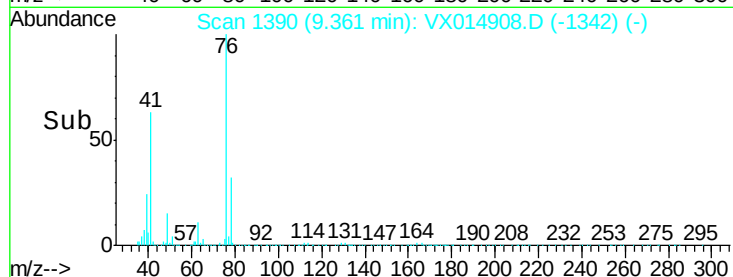
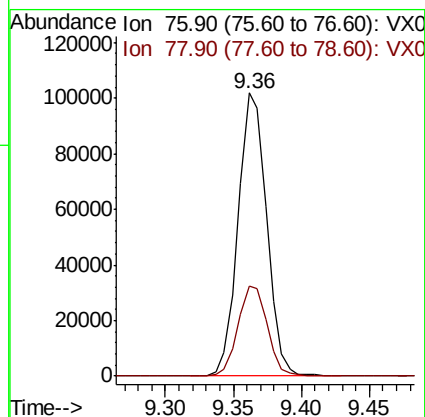
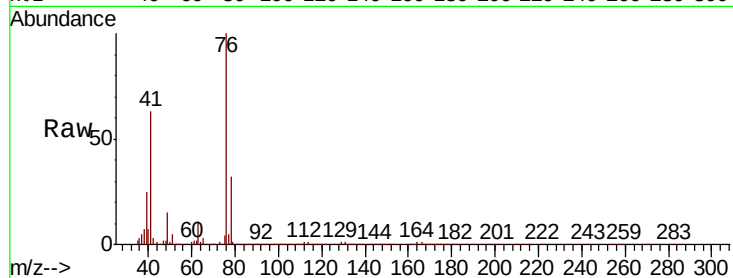
78 32.6 25.8 38.8

Manual Integrations

APPROVED

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2/12/2020 3:04:19 PM



#58

2-Chloroethyl Vinyl ether

Concen: 102.020 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014908.D

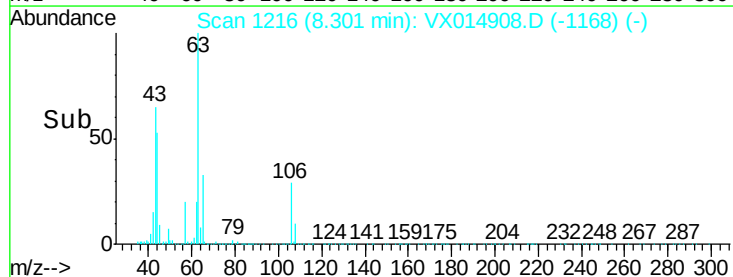
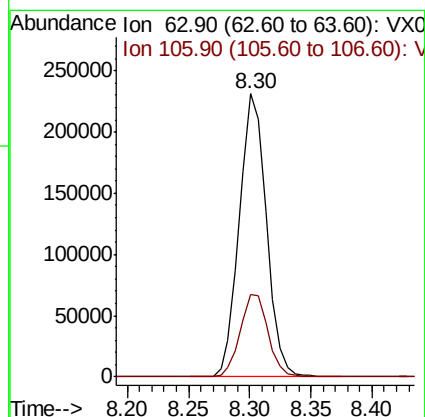
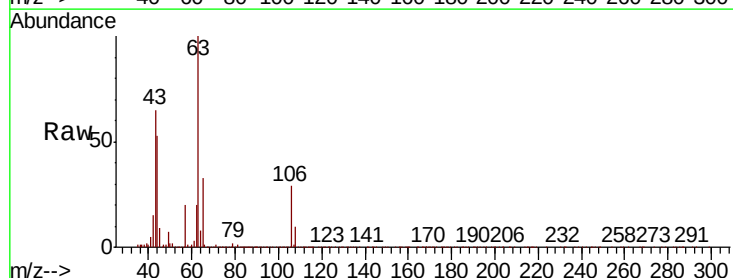
Acq: 11 Feb 2020 12:01

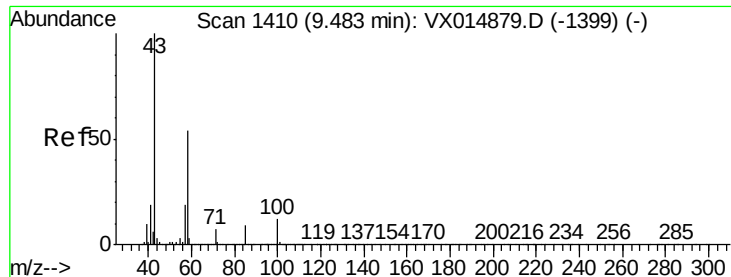
Tgt Ion: 63 Resp: 354571

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8





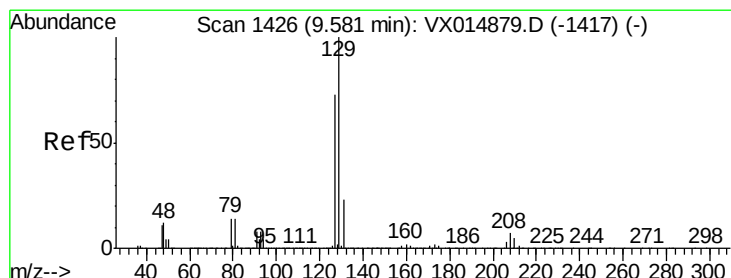
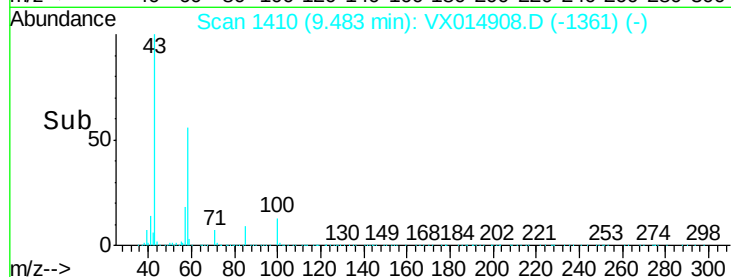
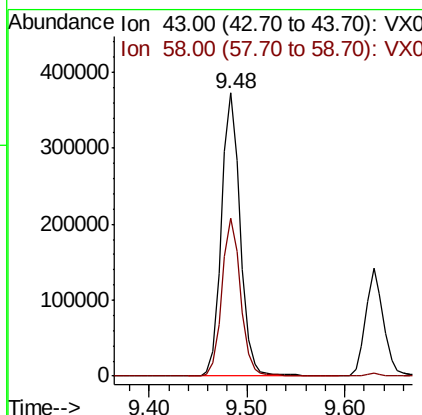
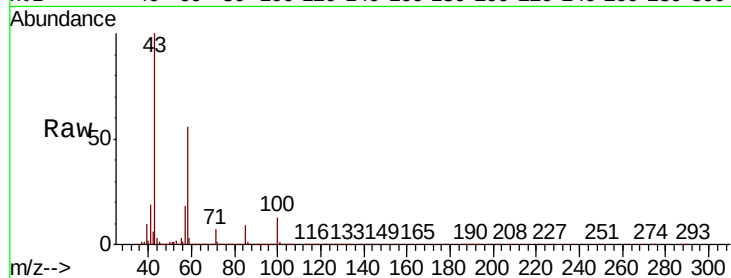
#59
2-Hexanone
Concen: 105.129 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.5	82.5

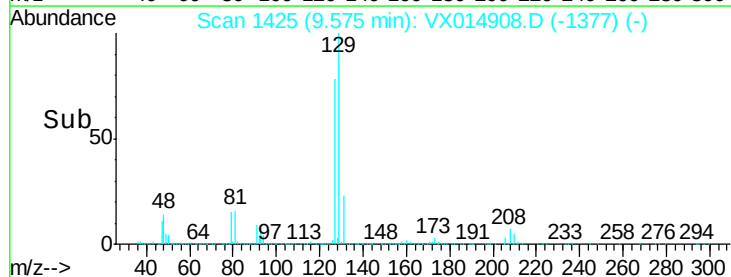
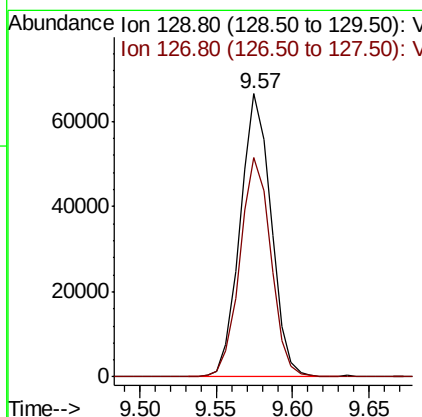
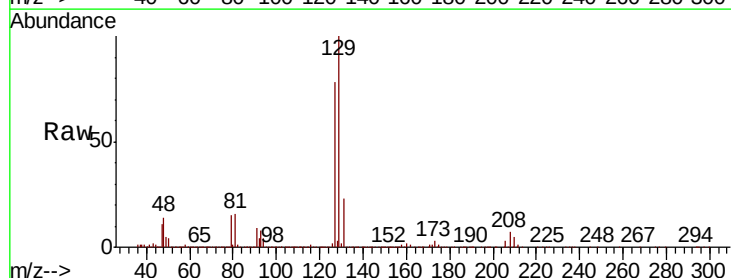
Manual Integrations
APPROVED

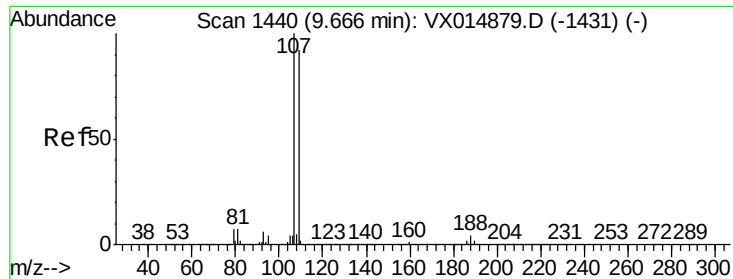
MMDadoda
2/12/2020 3:04:19 PM



#60
Dibromochloromethane
Concen: 19.689 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	37.8	113.3





#61

1,2-Dibromoethane

Concen: 19.579 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion:107 Resp: 93400

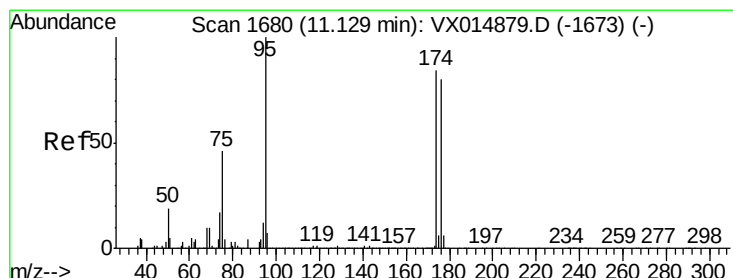
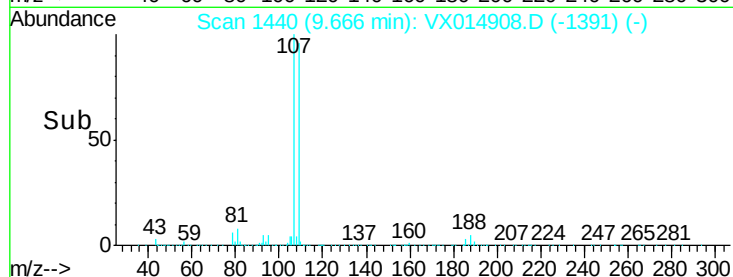
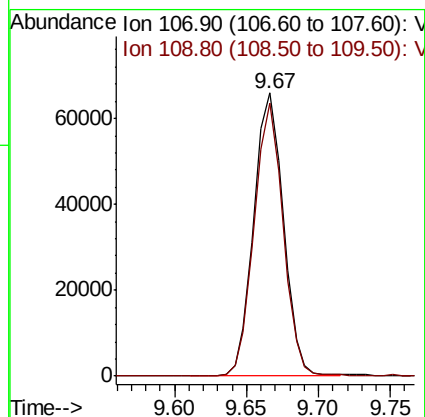
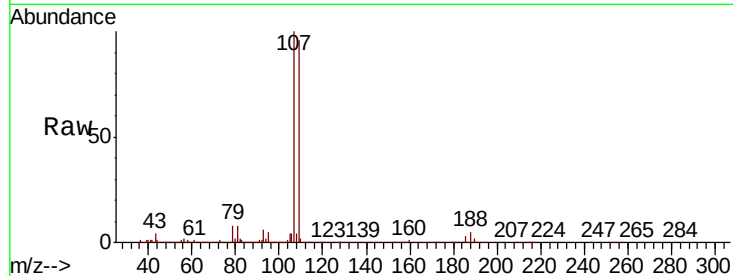
Ion Ratio Lower Upper

107 100

109 94.1 75.6 113.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.039 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

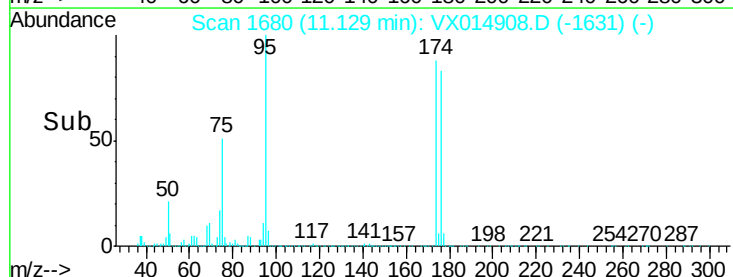
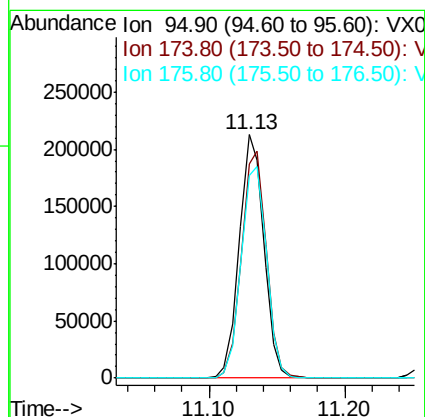
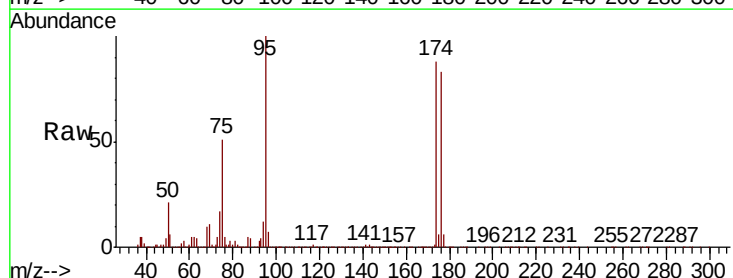
Tgt Ion: 95 Resp: 266865

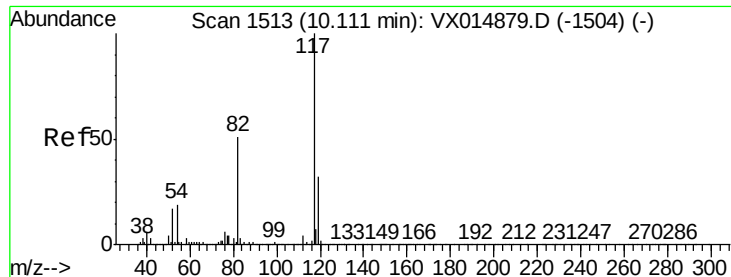
Ion Ratio Lower Upper

95 100

174 94.8 0.0 183.0

176 90.7 0.0 178.0





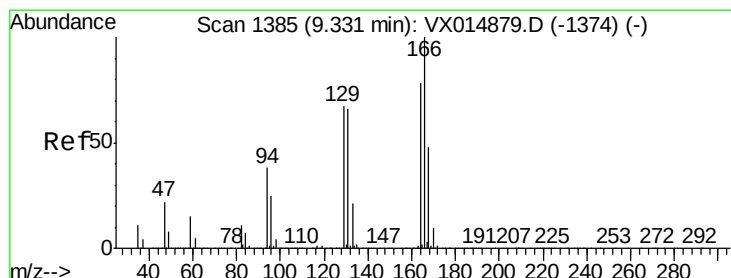
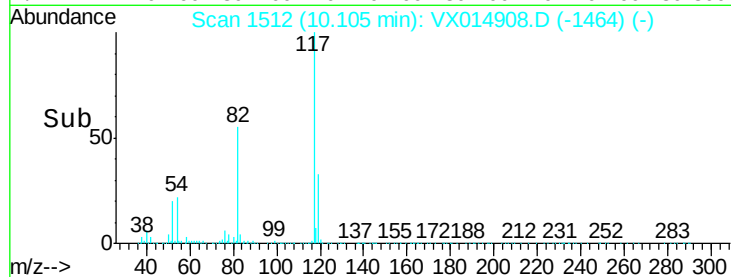
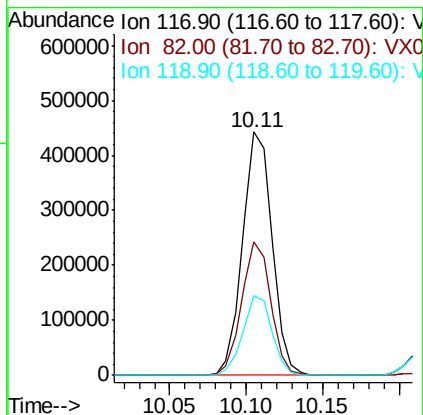
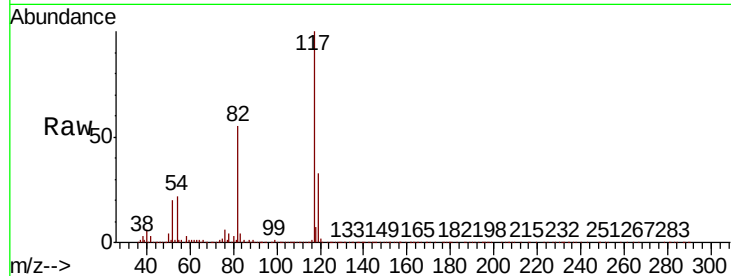
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	40.5	60.7
119	32.6	25.8	38.6

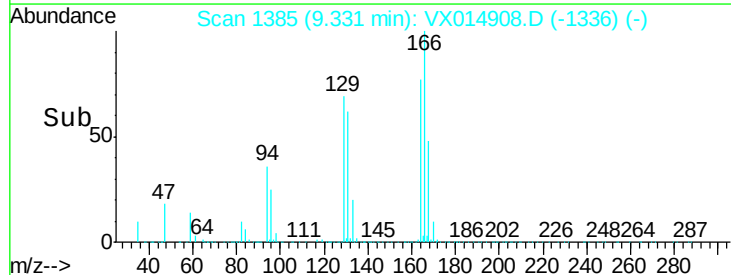
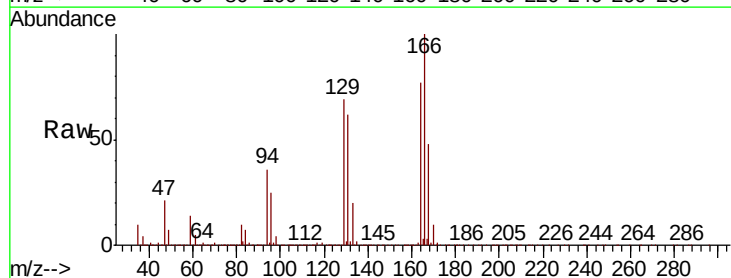
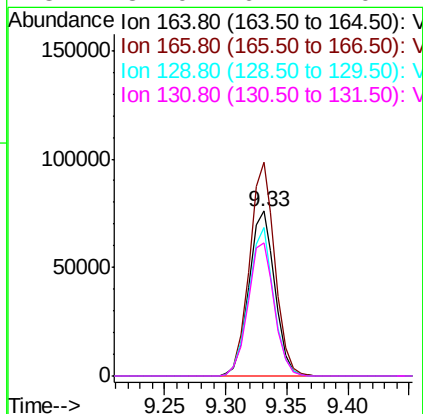
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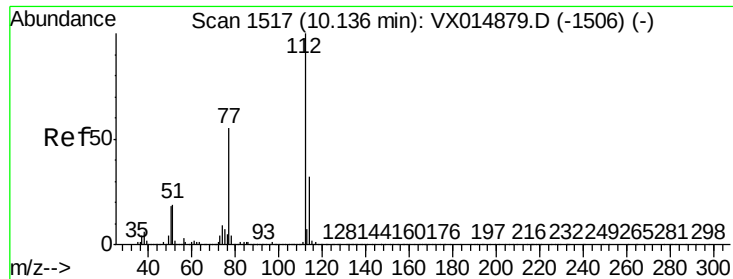
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#64
Tetrachloroethene
Concen: 20.145 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.6	153.8
129	89.9	68.3	102.5
131	81.0	67.4	101.2





#65

Chlorobenzene

Concen: 19.705 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion:112 Resp: 237859

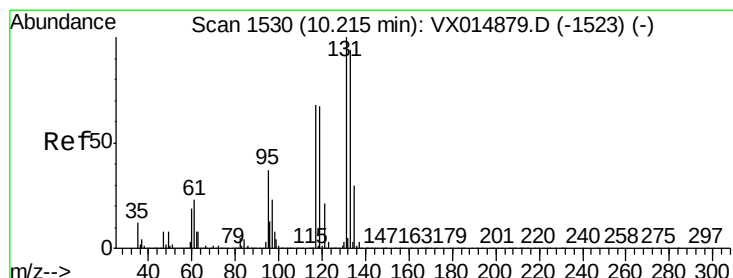
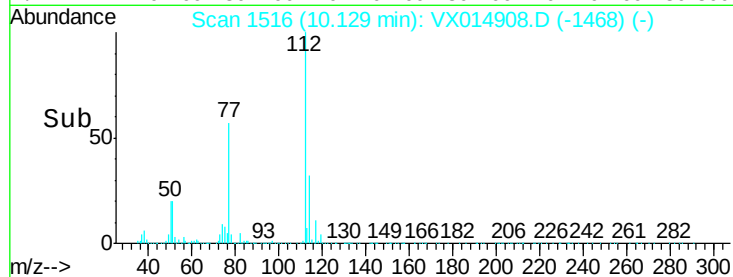
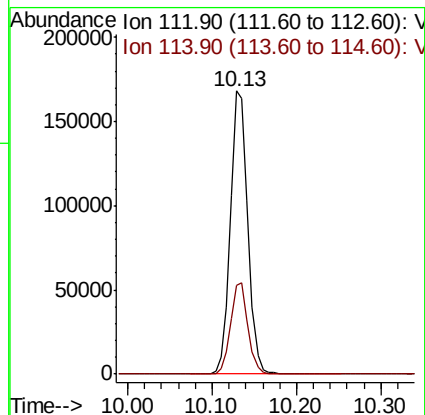
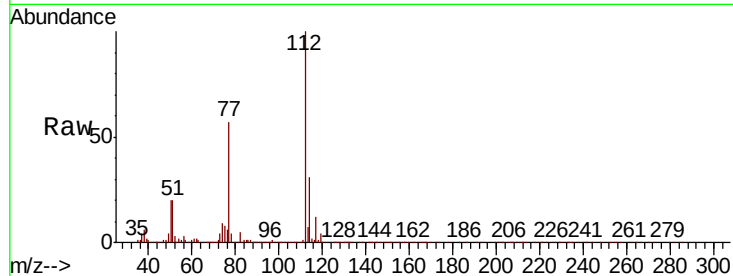
Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.071 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

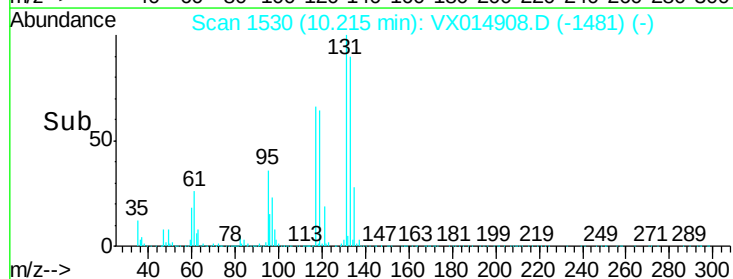
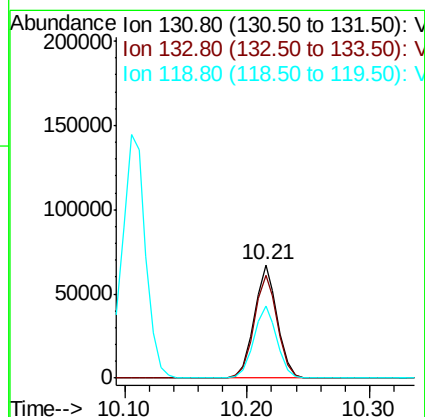
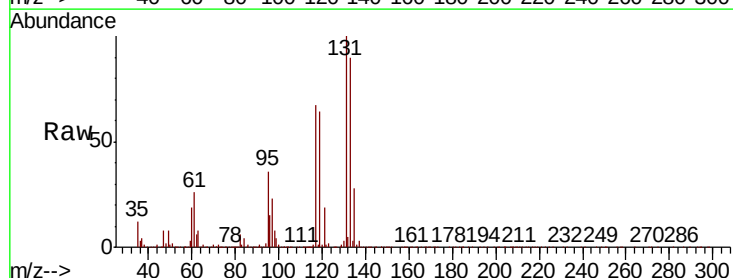
Tgt Ion:131 Resp: 87956

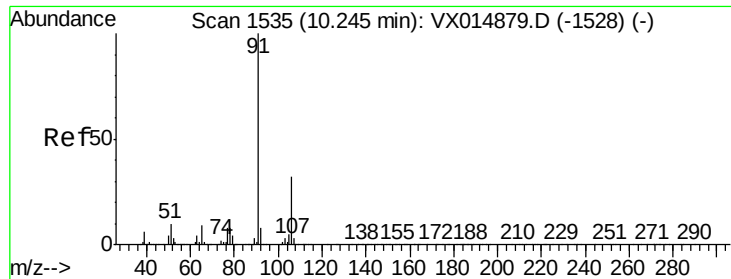
Ion Ratio Lower Upper

131 100

133 92.6 48.1 144.4

119 64.2 33.0 99.0





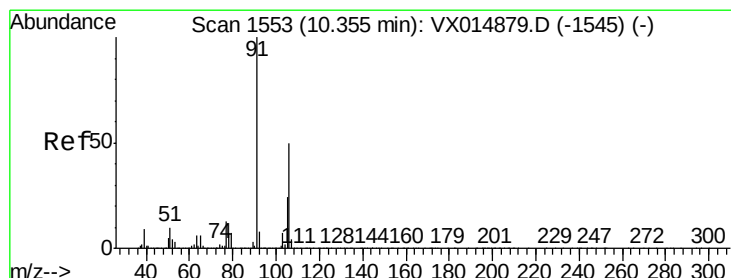
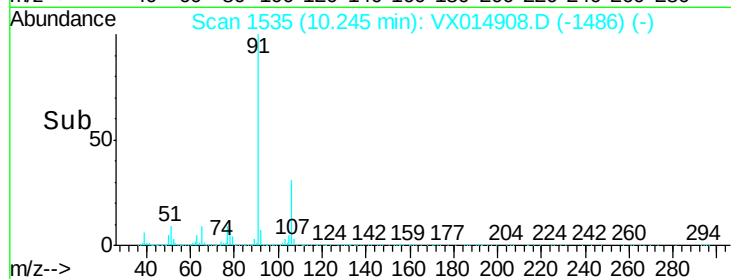
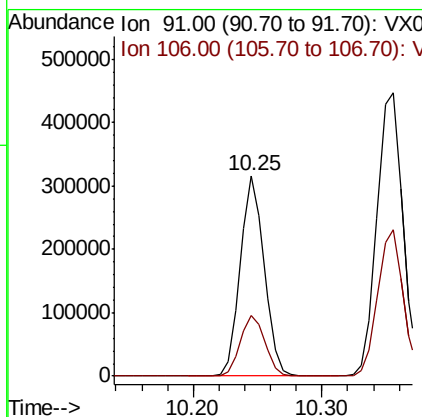
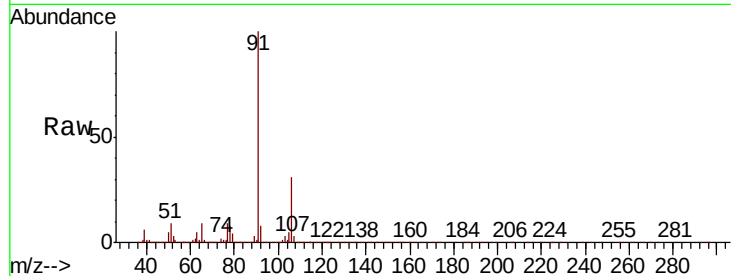
#67
Ethyl Benzene
Concen: 19.816 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.3	37.9

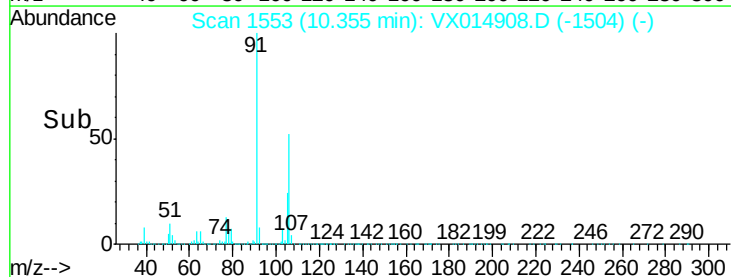
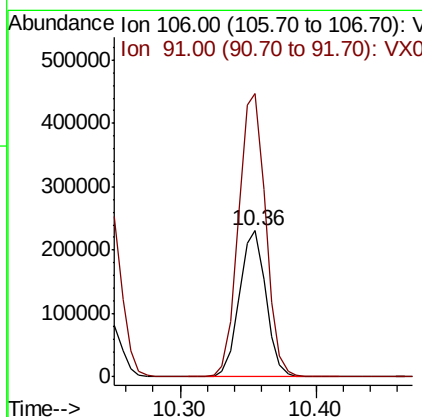
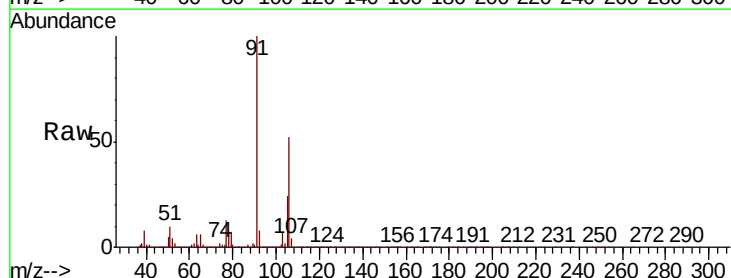
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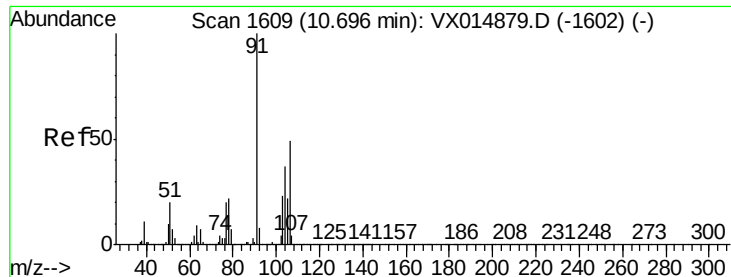
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#68
m/p-Xylenes
Concen: 39.499 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.7	160.6	240.8





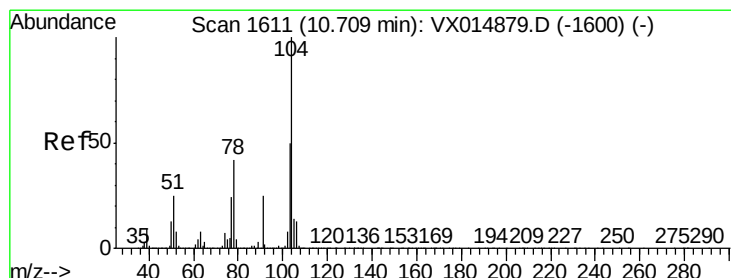
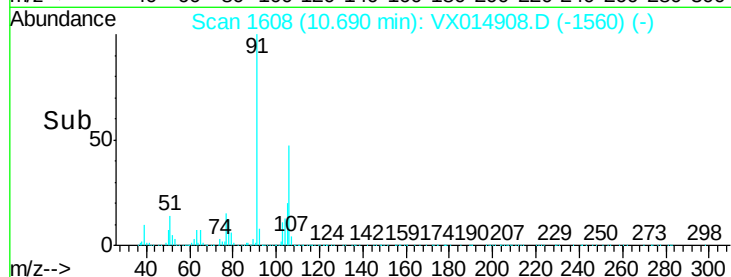
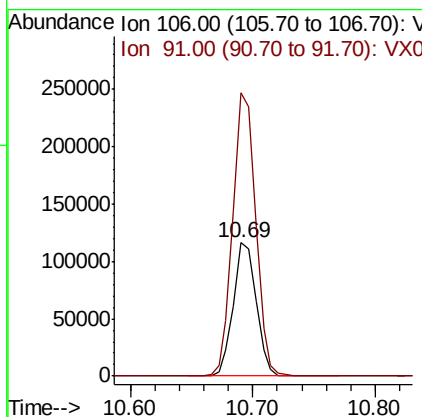
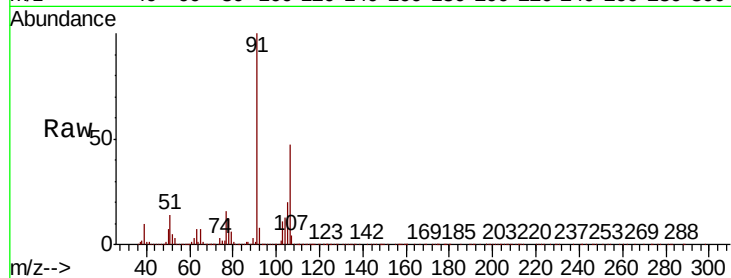
#69
o-Xylene
Concen: 19.746 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	105.1	315.3

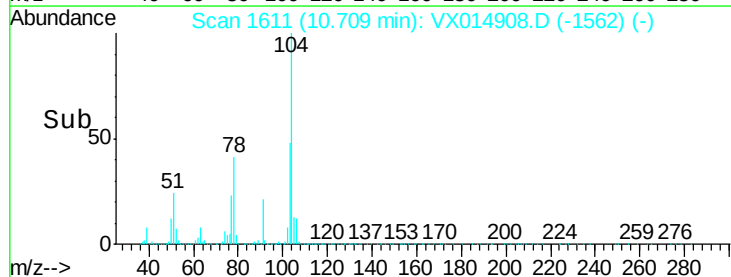
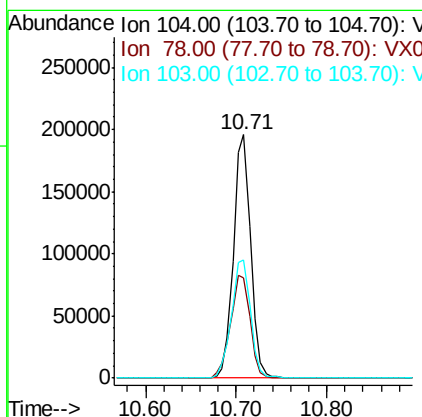
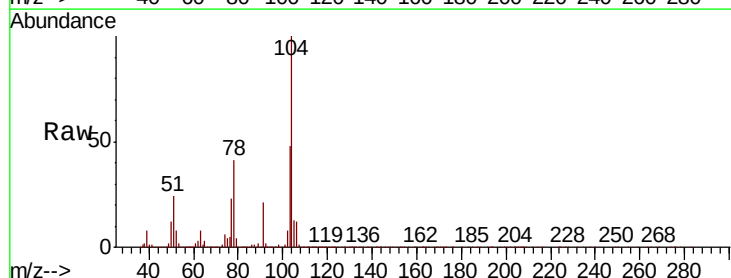
Manual Integrations
APPROVED

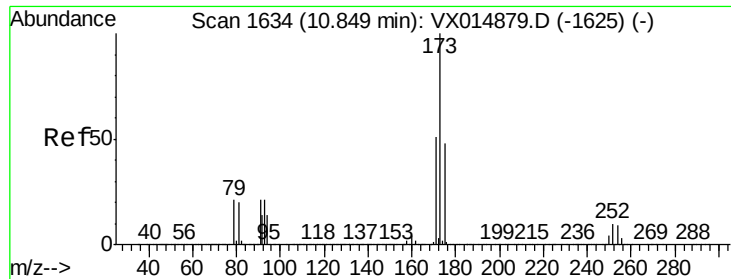
MMDadoda
2/12/2020 3:04:19 PM



#70
Styrene
Concen: 20.049 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.0	58.4
103	54.1	43.4	65.0





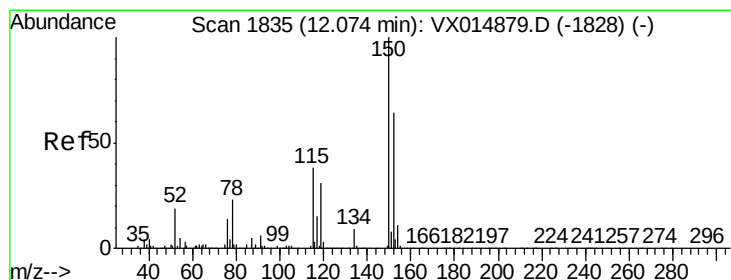
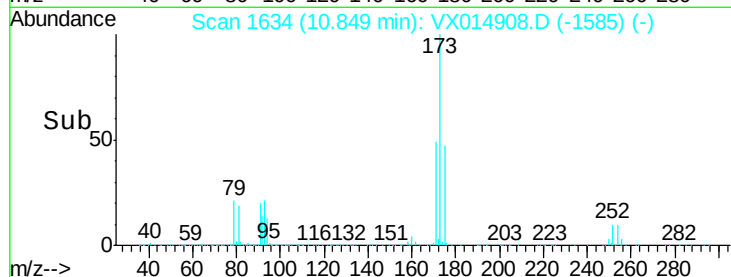
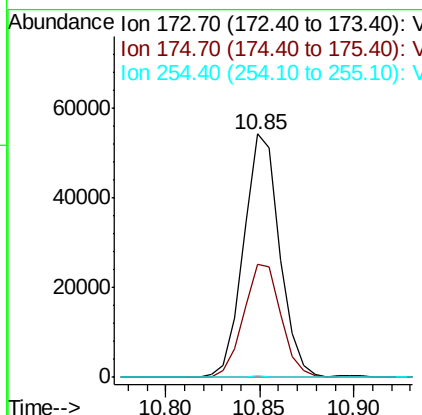
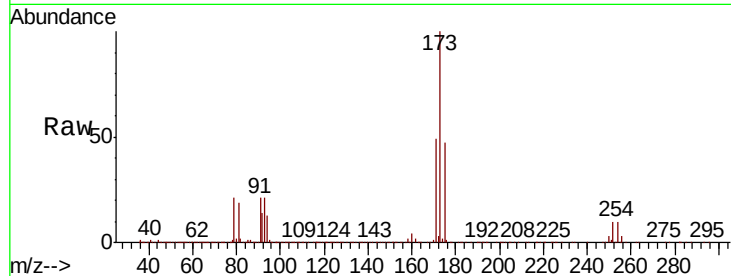
#71
Bromoform
Concen: 19.564 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.5	0.2	0.2#

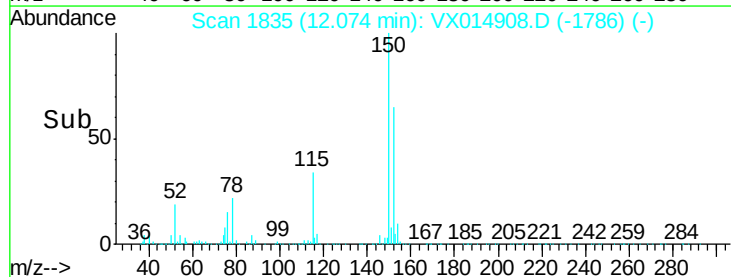
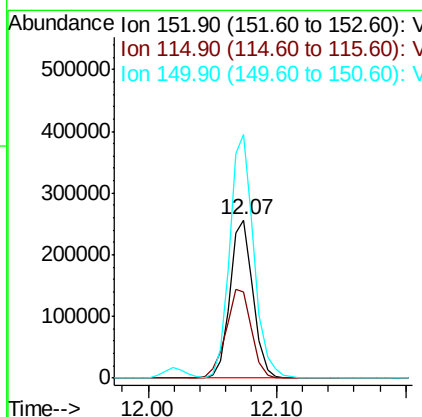
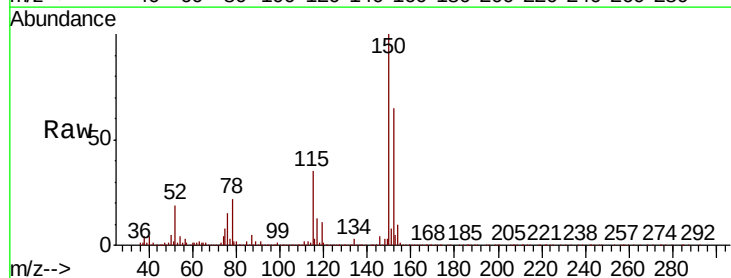
Manual Integrations
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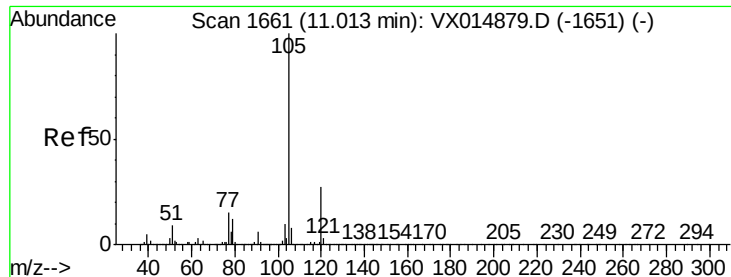
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	38.6	116.0
150	161.1	0.0	349.0





#73

Isopropylbenzene

Concen: 20.062 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion: 105 Resp: 402240

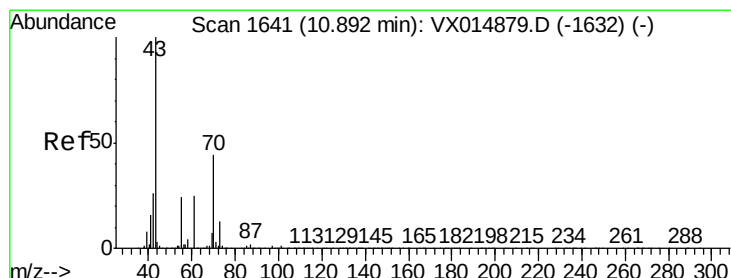
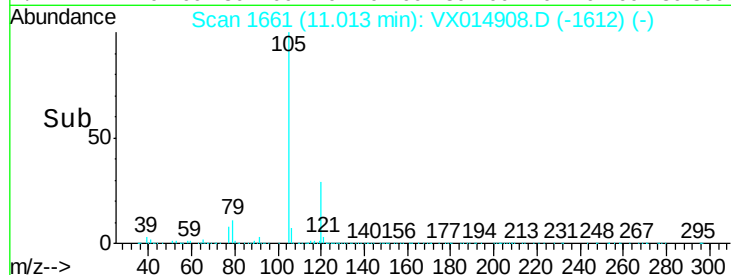
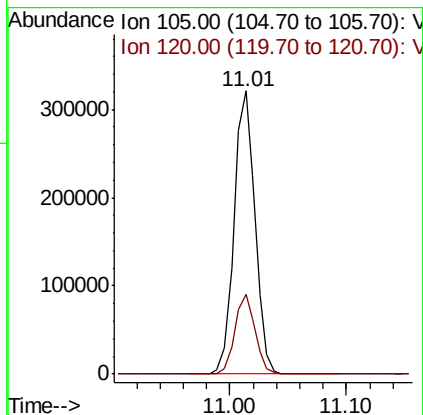
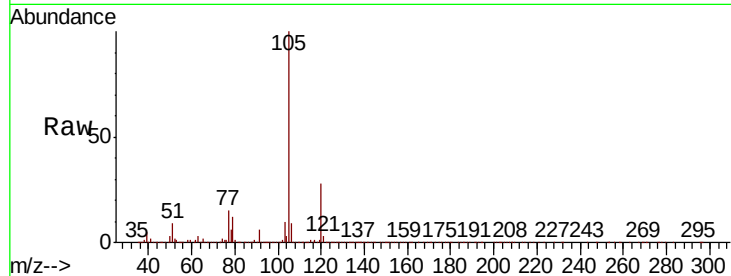
Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8

Manual Integrations
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2/12/2020 3:04:19 PM



#74

N-ethyl acetate

Concen: 20.325 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion: 43 Resp: 169320

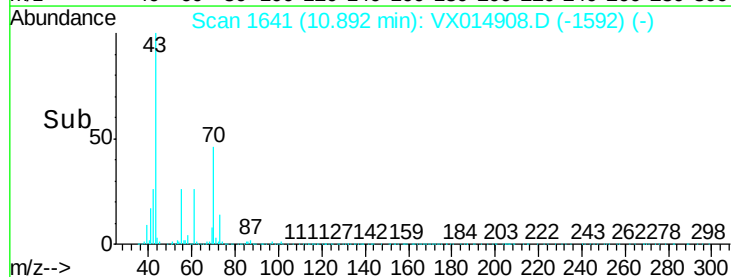
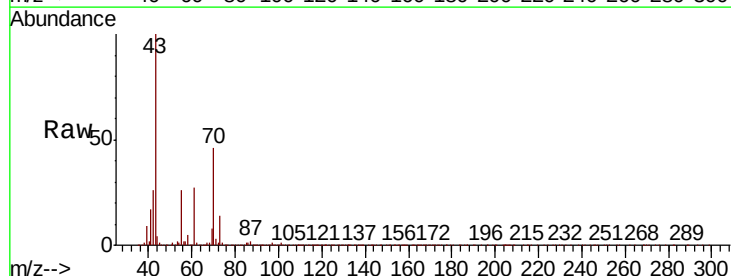
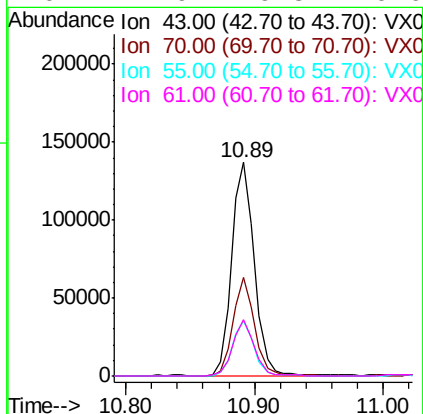
Ion Ratio Lower Upper

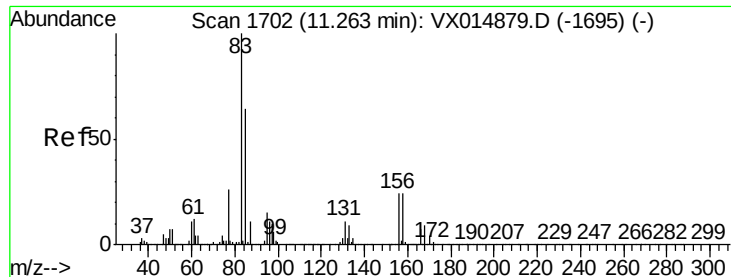
43 100

70 43.4 35.0 52.4

55 24.3 19.4 29.2

61 24.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.835 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

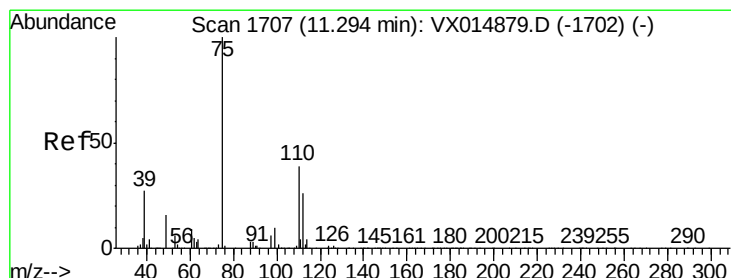
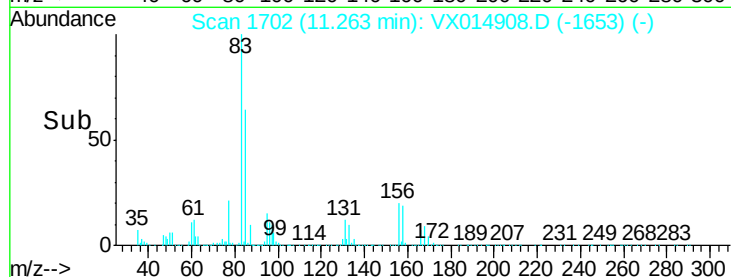
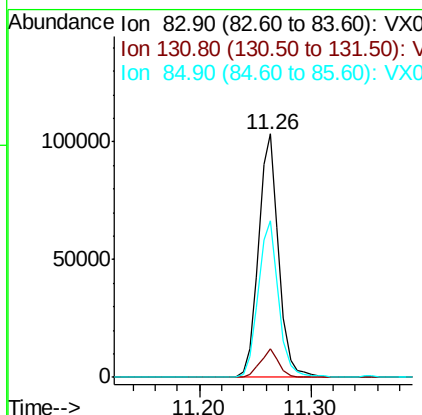
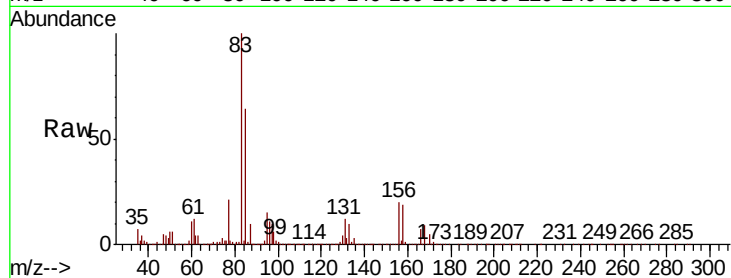
ClientSampled :

VX0211MBS01

Tot Ion:	83	Resp:	129999
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	65.0	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.705 ug/l m

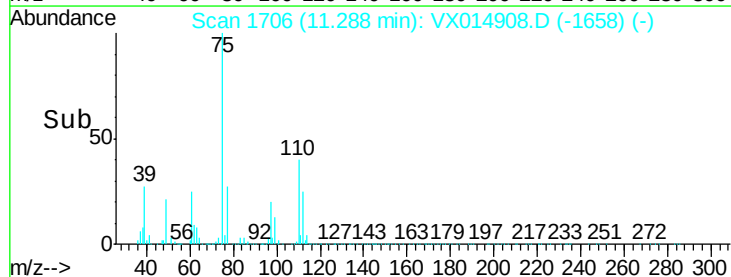
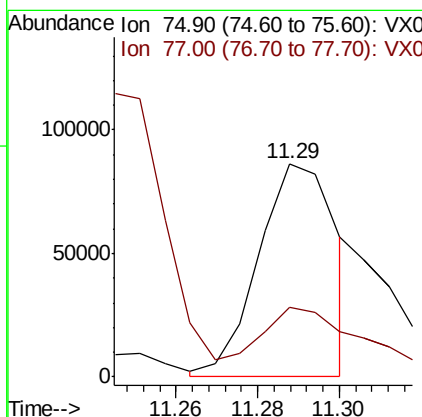
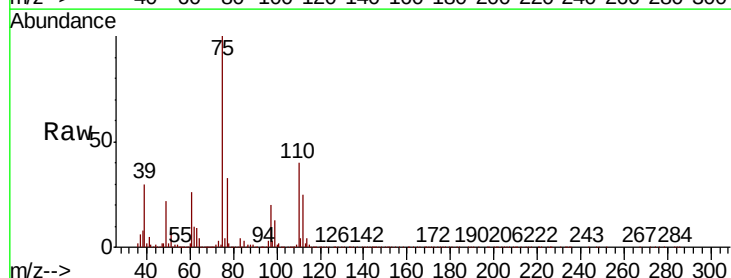
RT: 11.29 min Scan# 1706

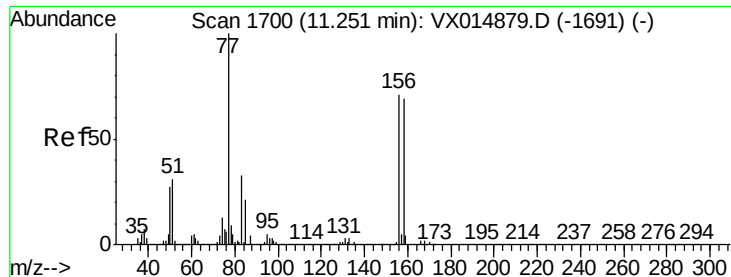
Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	75	Resp:	113923
Ion Ratio	Lower	Upper	
75	100		
77	43.7	18.4	55.0





#77

Bromobenzene

Concen: 19.772 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

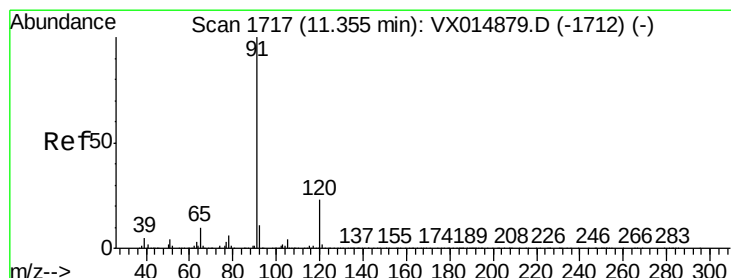
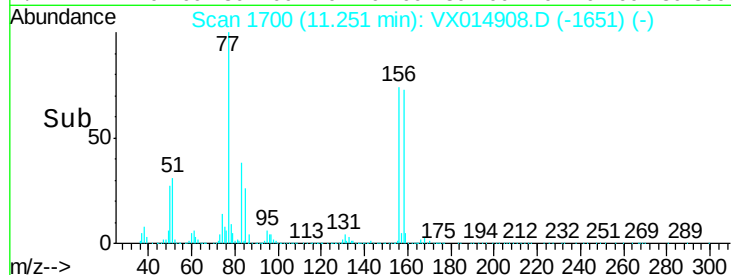
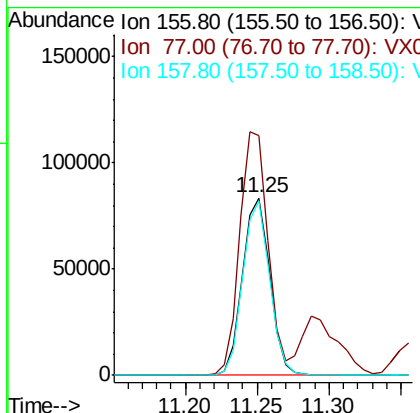
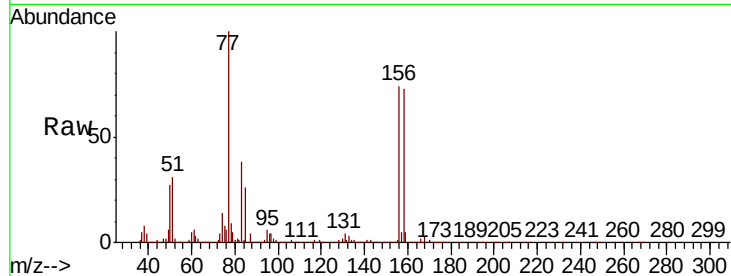
ClientSampleId :

VX0211MBS01

Tot Ion:	156	Resp:	110643
Ion Ratio	Lower	Upper	
156	100		
77	141.3	74.0	222.0
158	96.3	48.9	146.6

Manual Integrations
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2/12/2020 3:04:19 PM



#78

n-propylbenzene

Concen: 19.632 ug/l

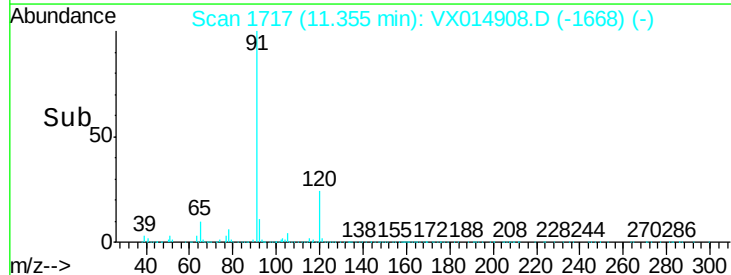
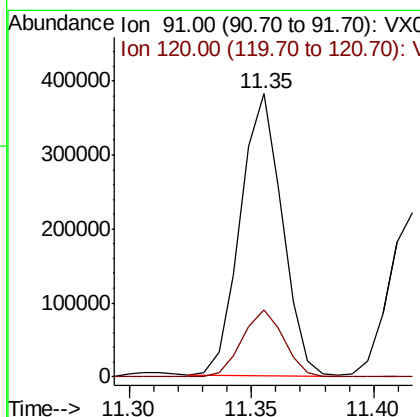
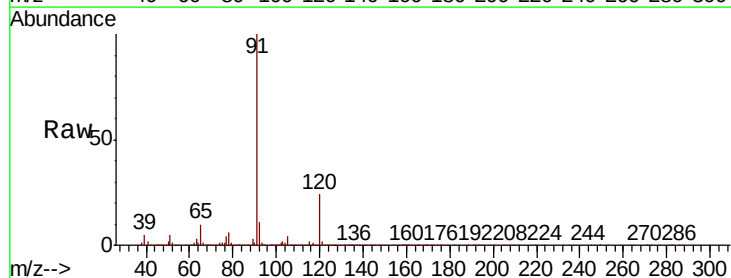
RT: 11.35 min Scan# 1717

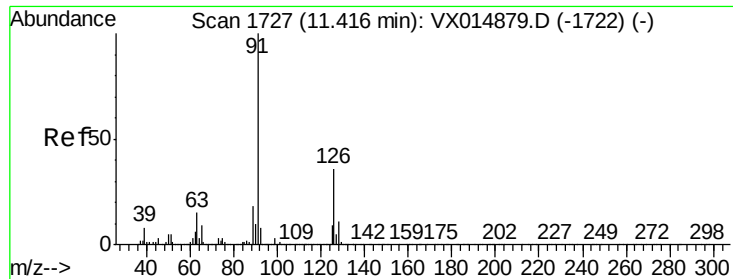
Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	91	Resp:	455244
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





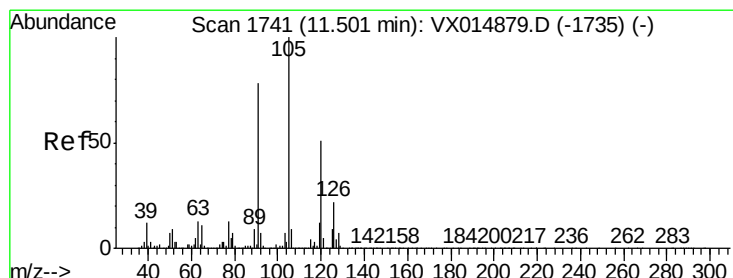
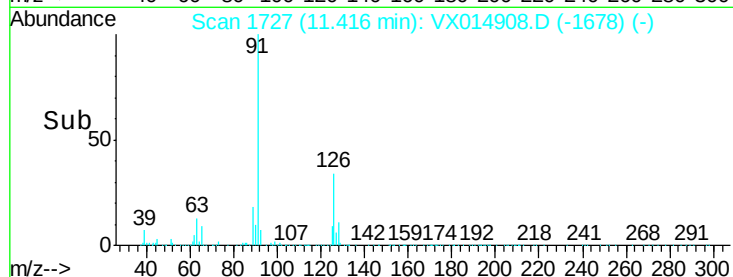
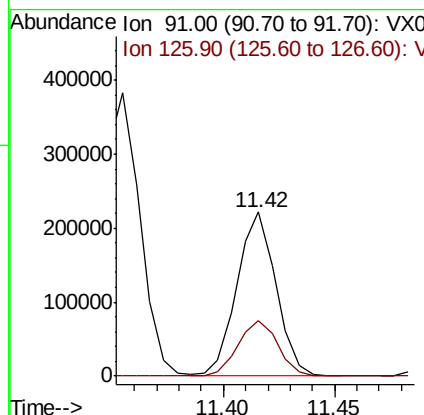
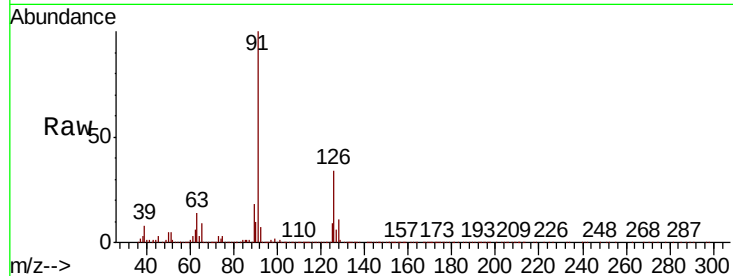
#79
2-Chlorotoluene
Concen: 19.743 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampled :
VX0211MBS01

Tot Ion: 91 Resp: 269155
Ion Ratio Lower Upper
91 100
126 35.0 18.0 54.0

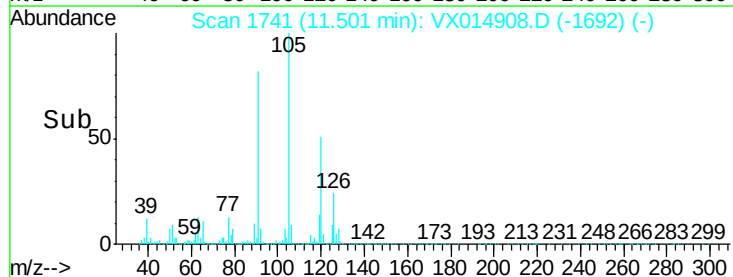
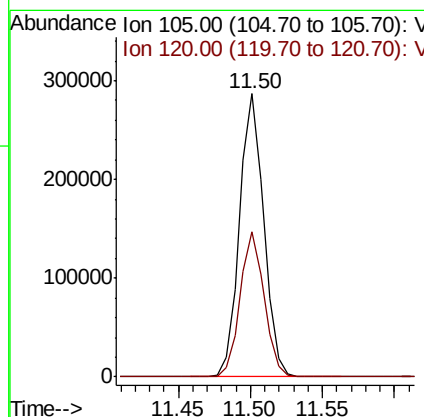
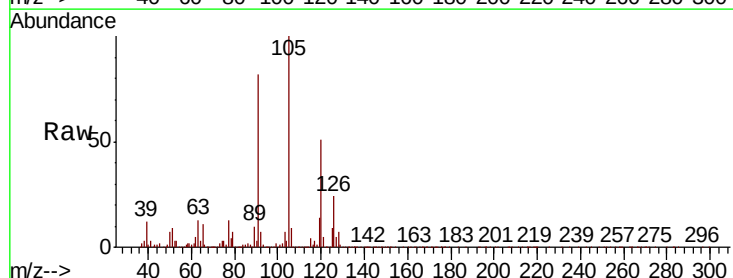
Manual Integrations
APPROVED

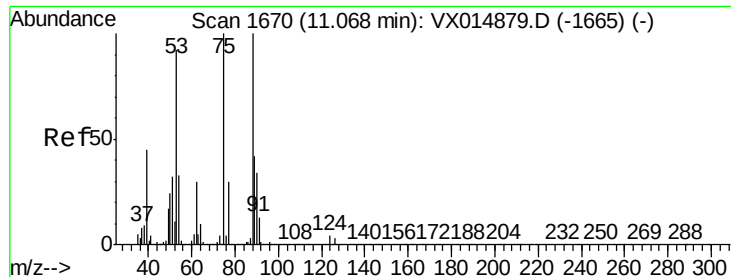
MMDadoda
2/12/2020 3:04:19 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.111 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion: 105 Resp: 336908
Ion Ratio Lower Upper
105 100
120 50.4 25.6 76.6





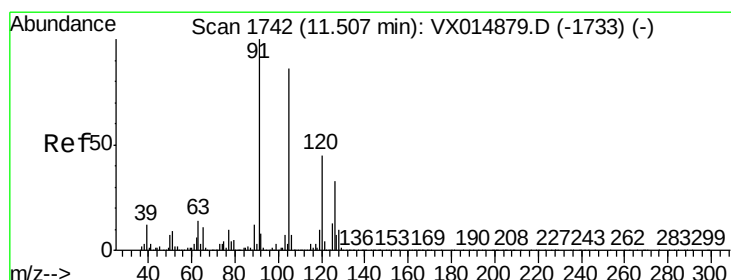
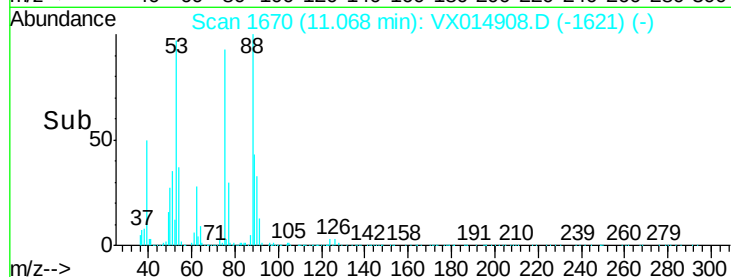
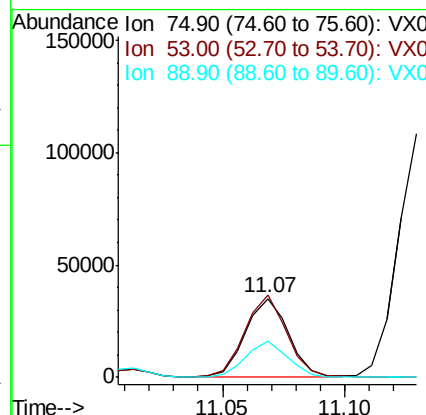
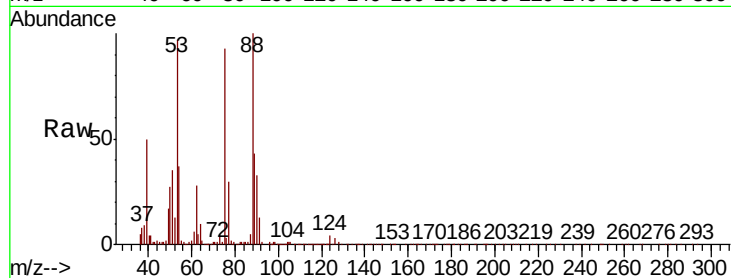
#81
trans-1,4-Dichloro-2-butene
Concen: 18.787 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	76.2	114.2
89	46.6	35.8	53.6

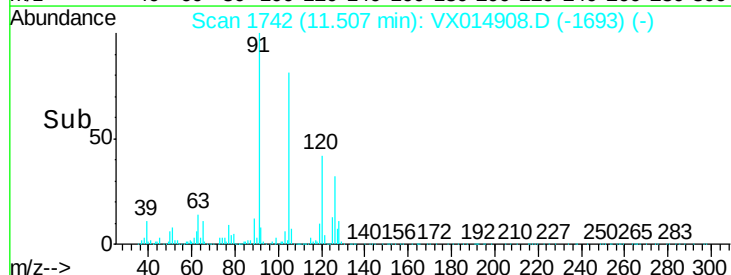
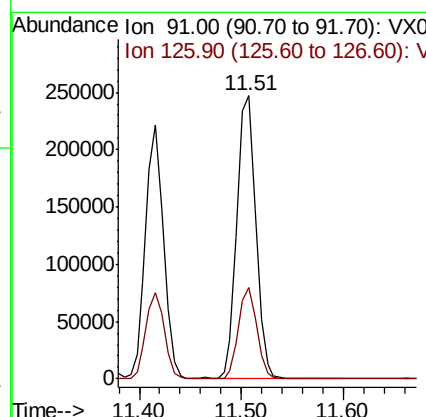
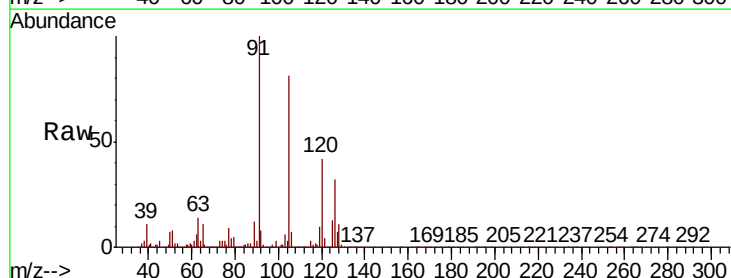
Manual Integrations
APPROVED

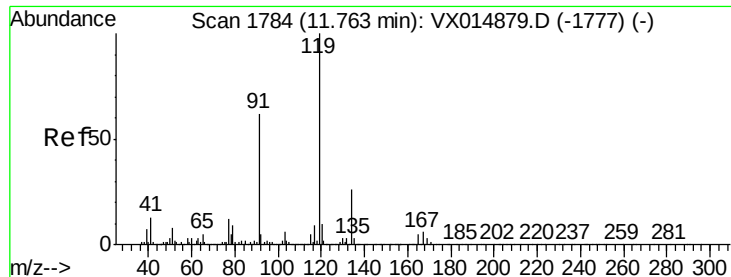
MMDadoda
2/12/2020 3:04:19 PM



#82
4-Chlorotoluene
Concen: 19.529 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





#83

tert-Butylbenzene

Concen: 19.806 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

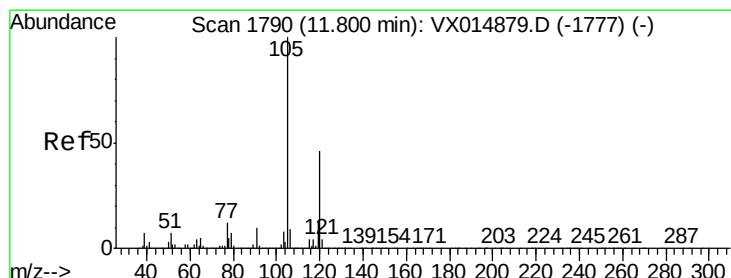
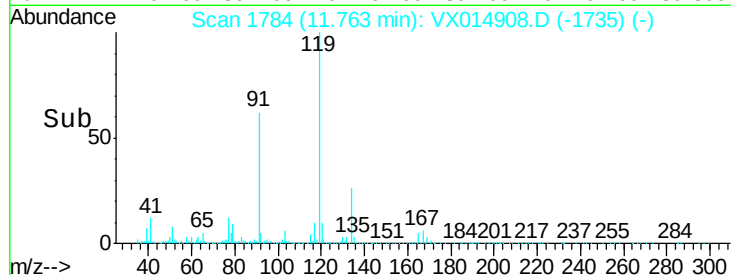
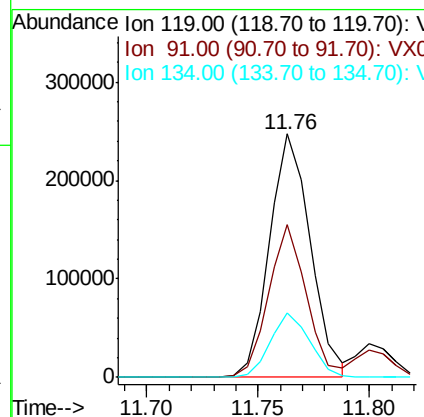
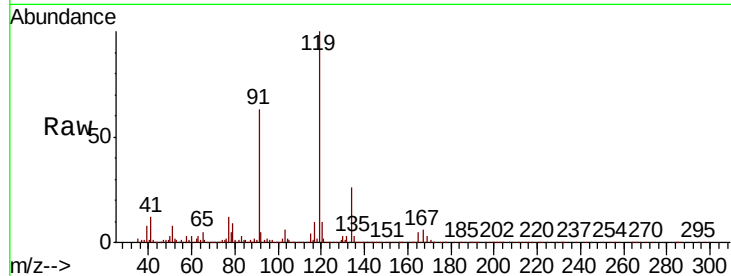
ClientSampleId :

VX0211MBS01

Tot Ion:	119	Resp:	314203
Ion Ratio	Lower	Upper	
119	100		
91	58.4	29.5	88.6
134	25.4	12.6	37.6

Manual Integrations
APPROVED

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#84

1,2,4-Trimethylbenzene

Concen: 20.179 ug/l

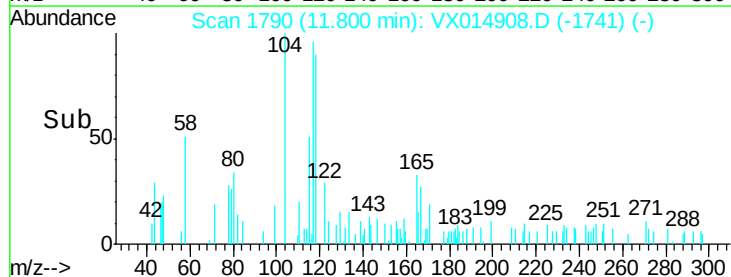
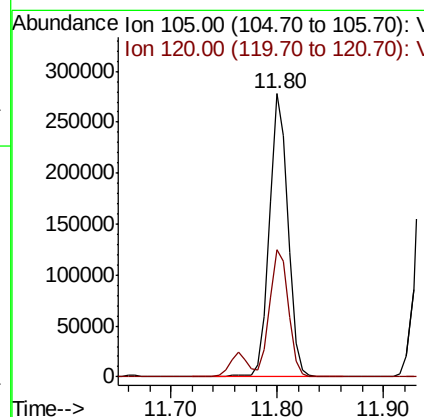
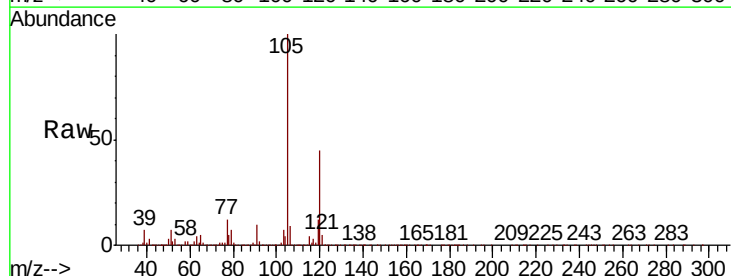
RT: 11.80 min Scan# 1790

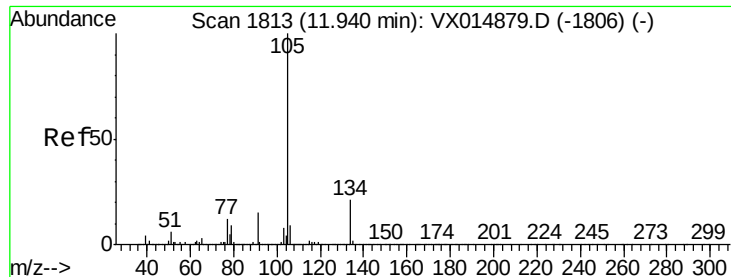
Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Tgt Ion:	105	Resp:	340673
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 19.687 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0211MBS01

Tot Ion:105 Resp: 387978

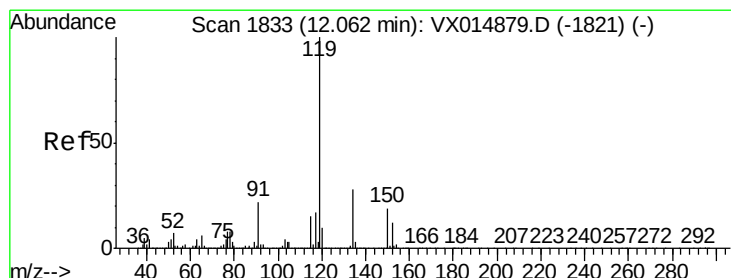
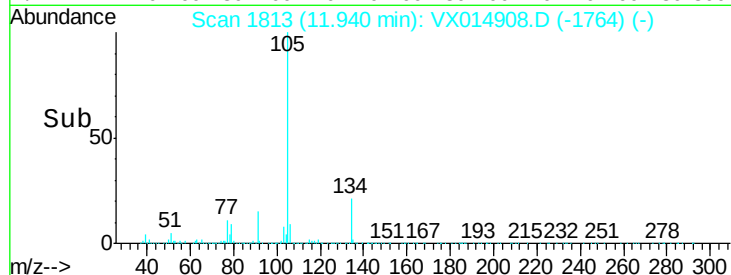
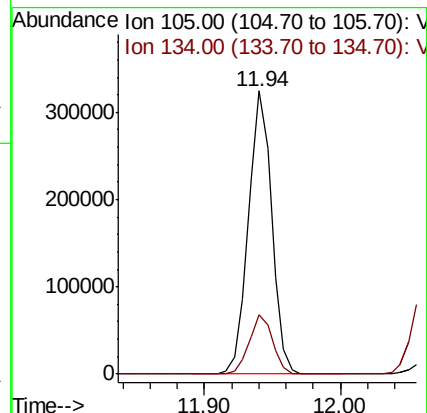
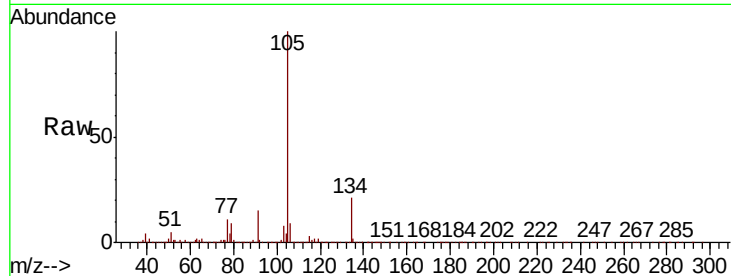
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 19.784 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014908.D

Acq: 11 Feb 2020 12:01

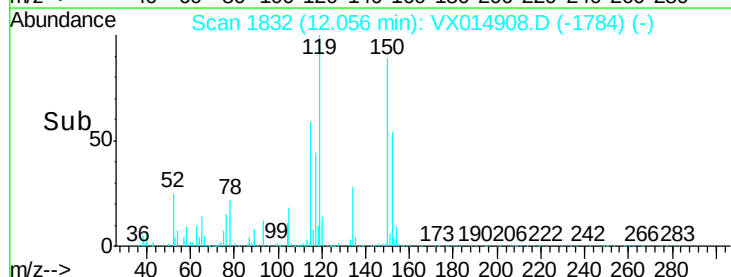
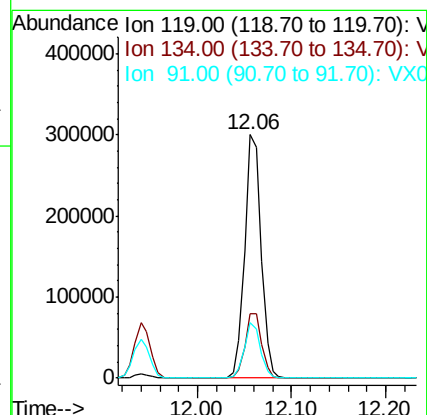
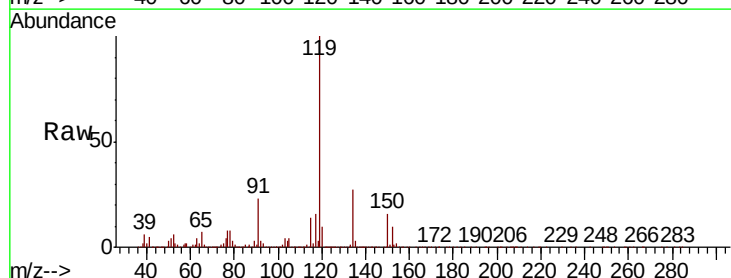
Tgt Ion:119 Resp: 364849

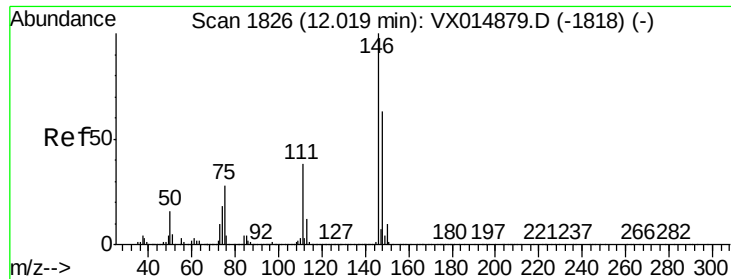
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.2 11.4 34.1





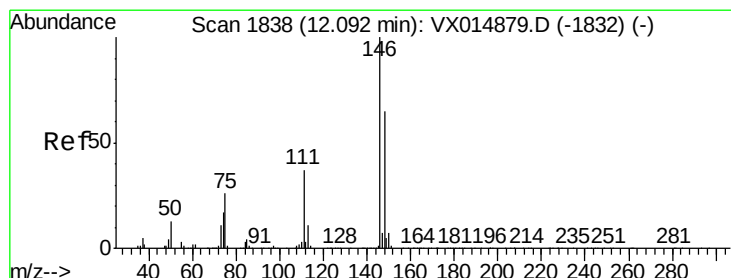
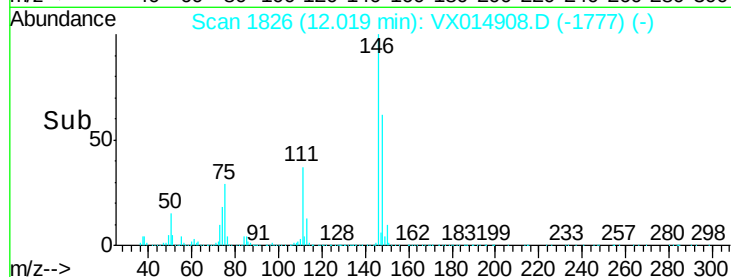
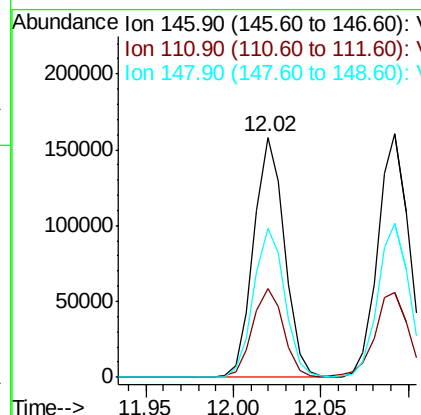
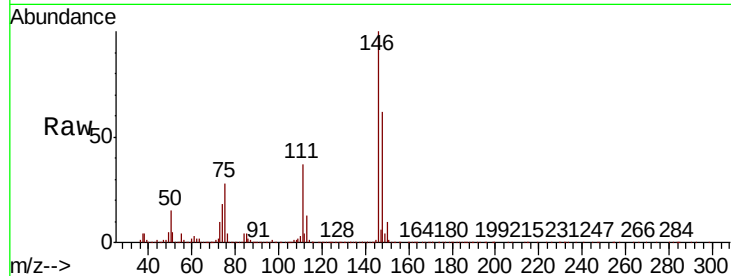
#87
 1,3-Dichlorobenzene
 Concen: 19.313 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	62.9	31.8	95.4

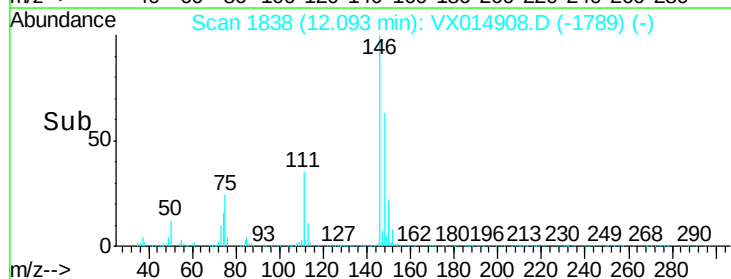
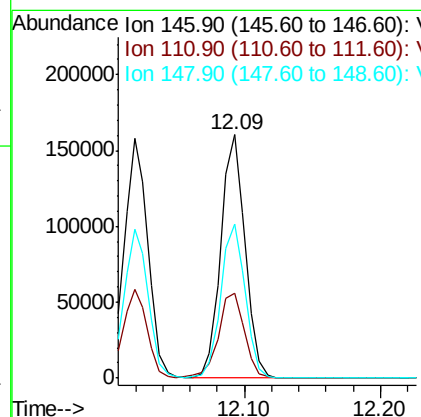
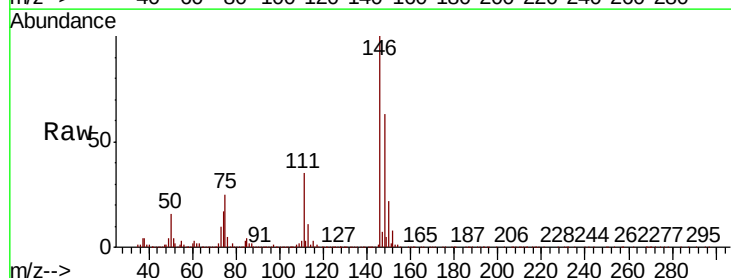
Manual Integrations
 APPROVED

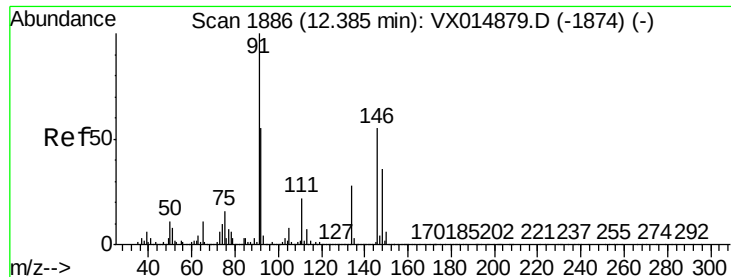
MMDadoda
 2/12/2020 3:04:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	63.7	32.4	97.0





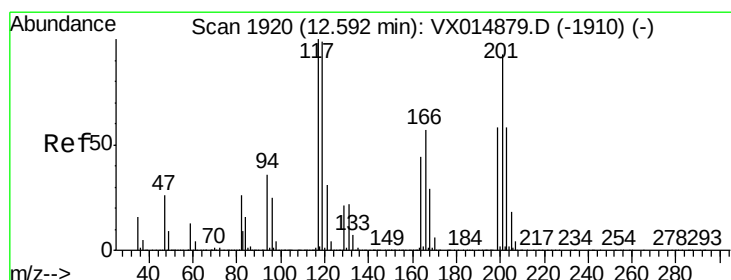
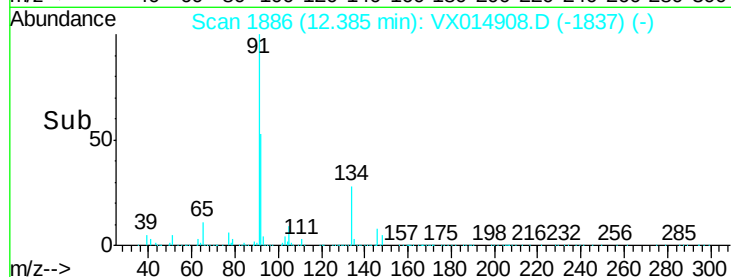
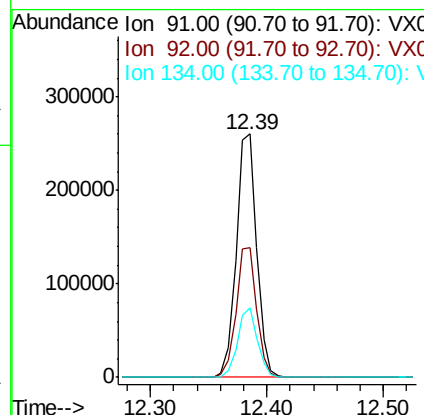
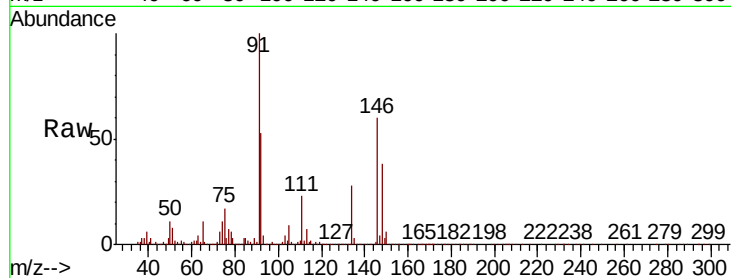
#89
n-Butylbenzene
Concen: 19.150 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.3	81.8	
134	27.8	13.8	41.4	

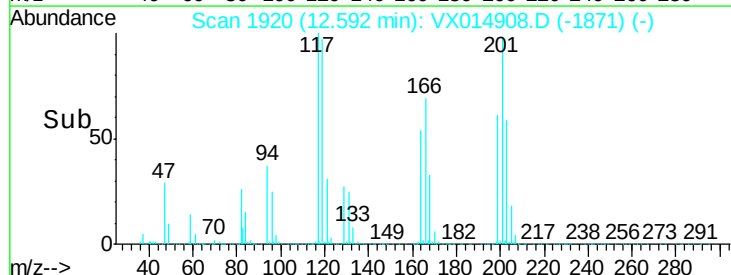
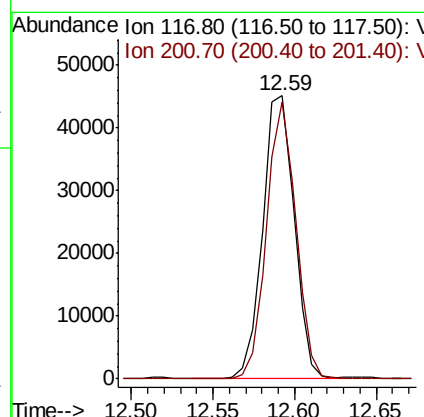
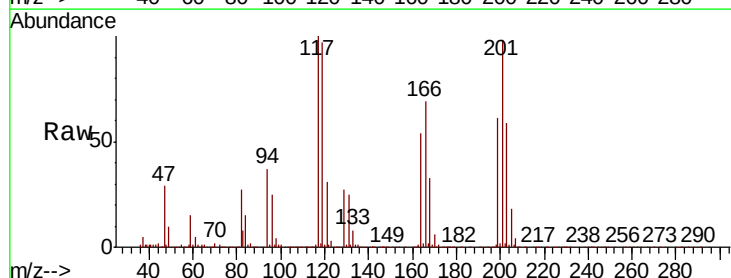
Manual Integrations
APPROVED

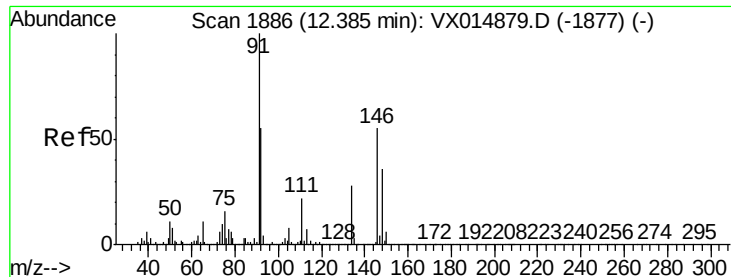
MMDadoda
2/12/2020 3:04:19 PM



#90
Hexachloroethane
Concen: 18.916 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.7	44.8	134.3	





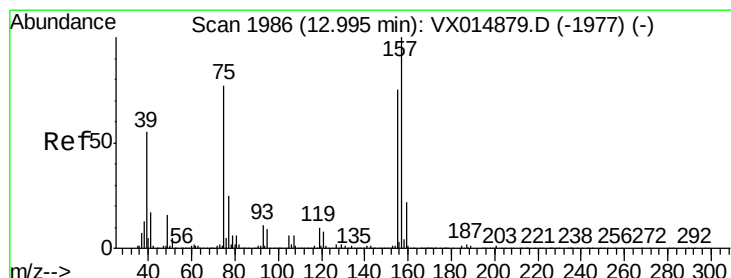
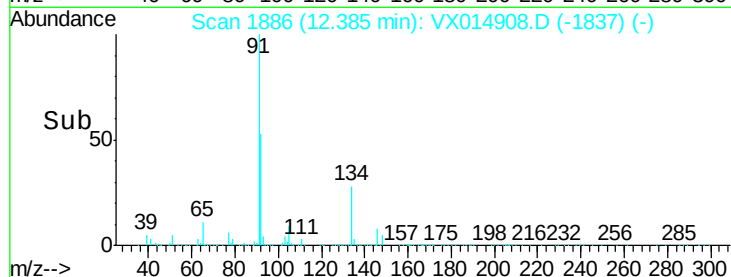
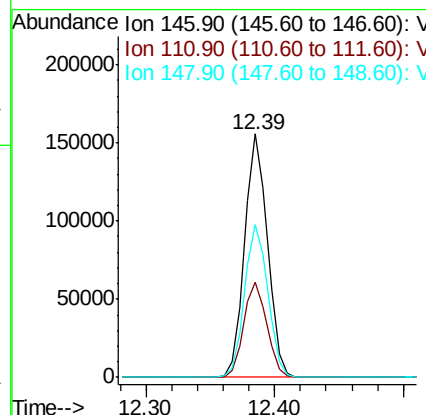
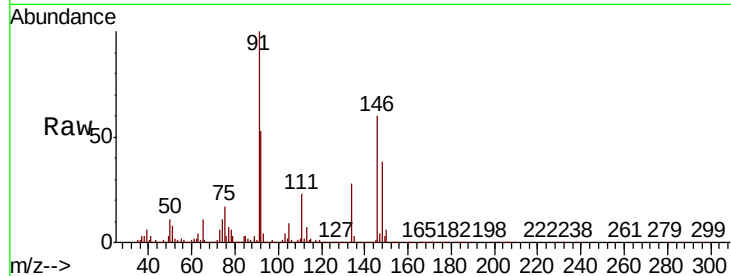
#91
 1,2-Dichlorobenzene
 Concen: 19.431 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191304		
111	39.8	19.8	59.3	
148	64.1	32.4	97.2	

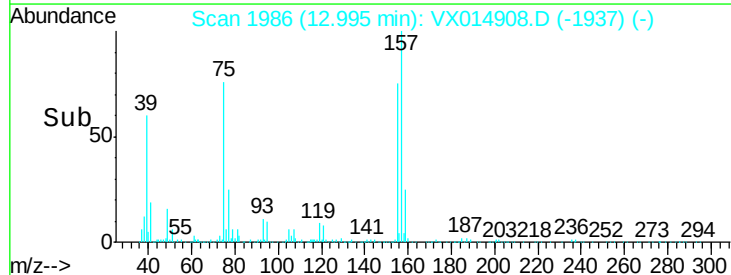
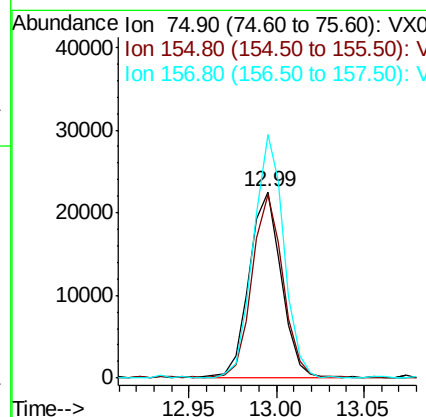
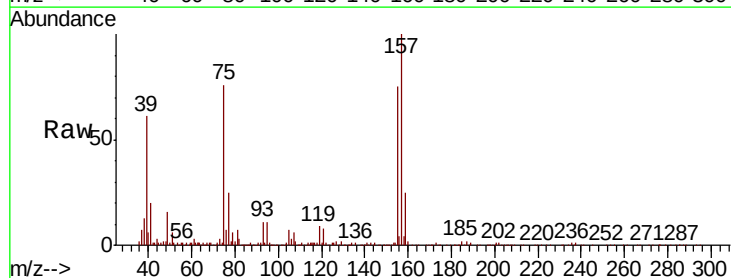
Manual Integrations
 APPROVED

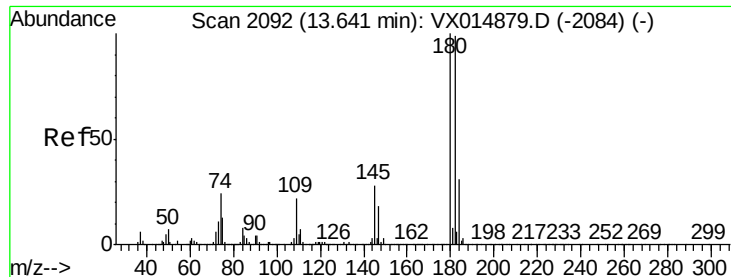
MMDadoda
 2/12/2020 3:04:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.566 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28548		
155	96.1	48.6	145.9	
157	125.6	62.0	186.0	





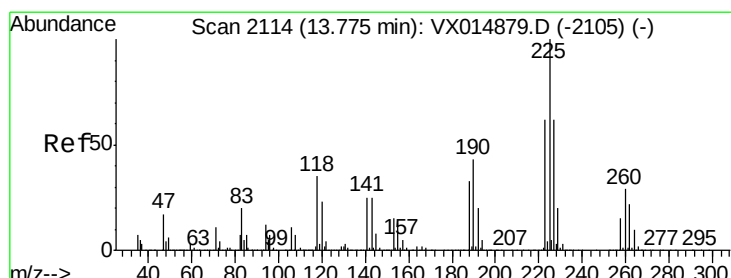
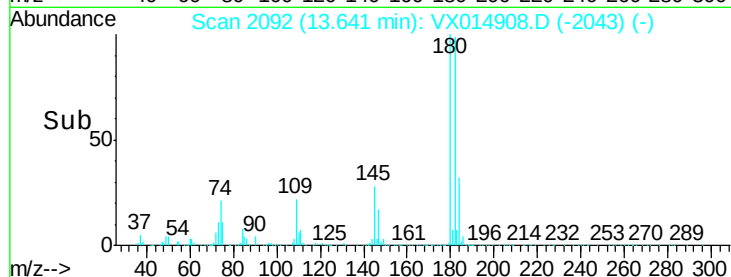
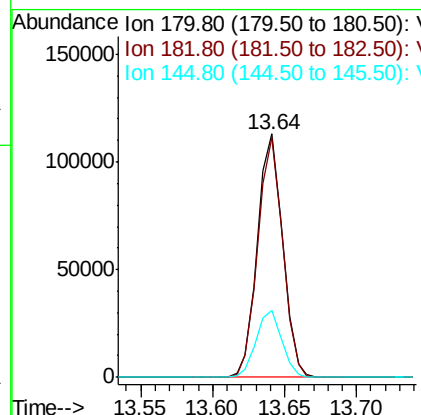
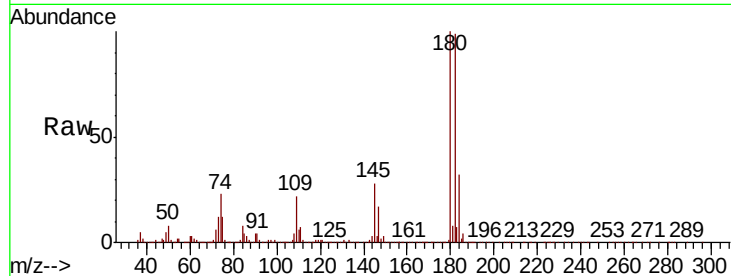
#93
 1,2,4-Trichlorobenzene
 Concen: 18.773 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136422		
182	97.2	48.4	145.3	
145	28.1	14.1	42.4	

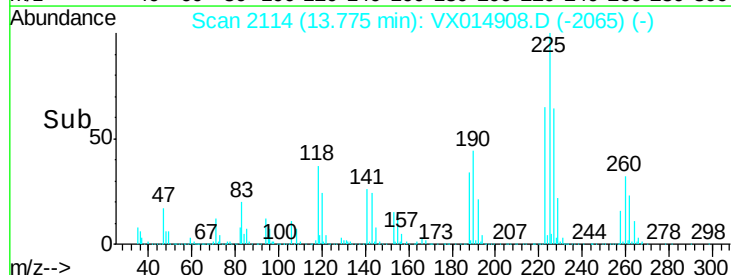
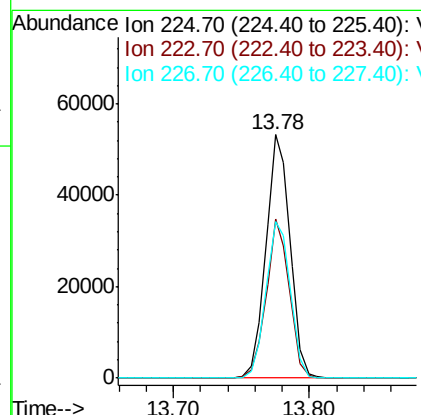
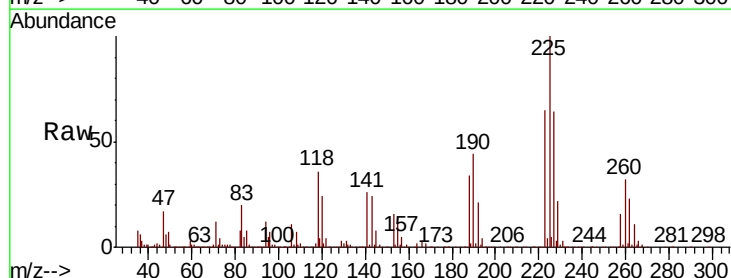
Manual Integrations
 APPROVED

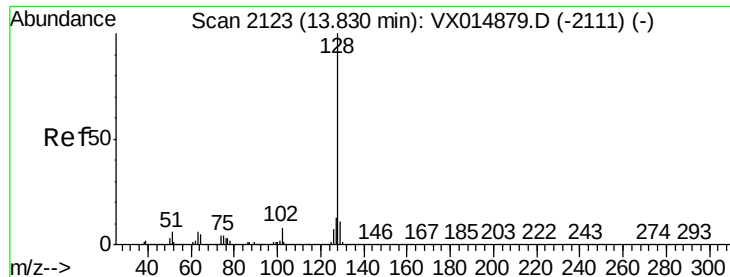
MMDadoda
 2/12/2020 3:04:19 PM



#94
 Hexachlorobutadiene
 Concen: 18.926 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014908.D
 Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66521		
223	62.4	31.1	93.2	
227	65.2	30.9	92.5	





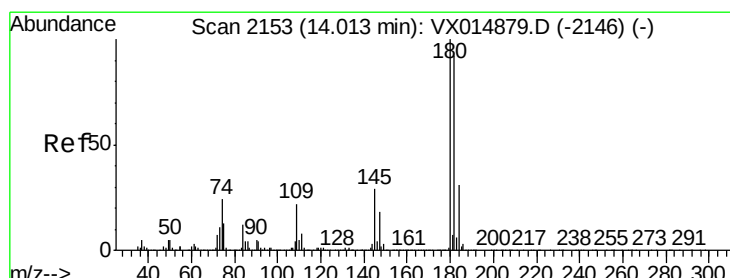
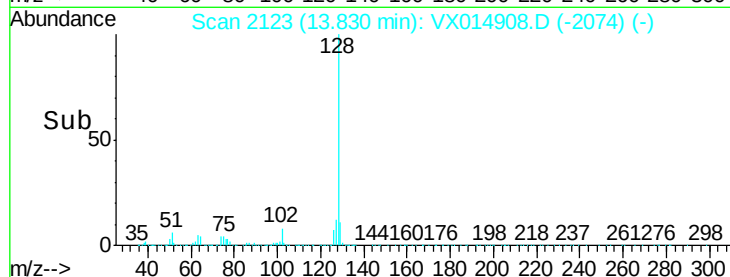
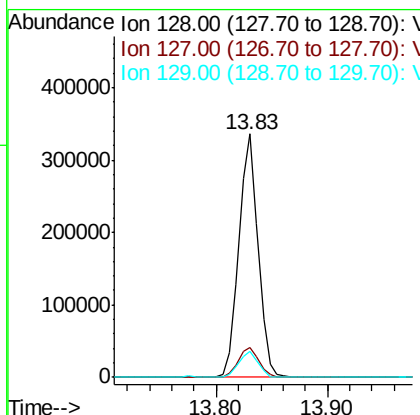
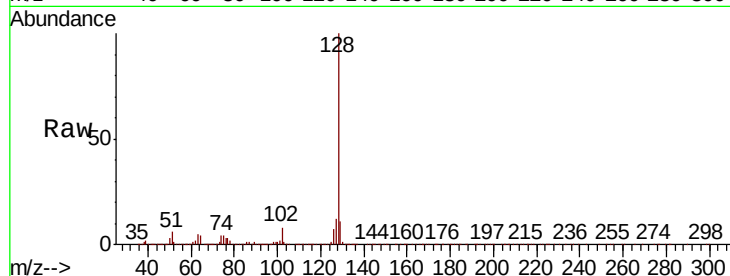
#95
Naphthalene
Concen: 20.773 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0211MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:04:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.484 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014908.D
Acq: 11 Feb 2020 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.5	142.6
145	30.0	14.5	43.5

