

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022020\
 Data File : VX014971.D
 Acq On : 20 Feb 2020 11:44
 Operator : JC/SP
 Sample : VX0220WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:15:28 AM

Quant Time: Feb 21 00:46:16 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	421458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	624656	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	578769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	235474	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.48	113	191653	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.71	98	732179	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	269224	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	75622	18.947	ug/l	99
3) Chloromethane	1.32	50	85960	18.996	ug/l	99
4) Vinyl Chloride	1.40	62	90575	18.581	ug/l	100
5) Bromomethane	1.64	94	59601	18.889	ug/l	98
6) Chloroethane	1.72	64	58327	18.700	ug/l	96
7) Trichlorofluoromethane	1.93	101	130776	19.202	ug/l	96
8) Diethyl Ether	2.18	74	54971	19.464	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75829	19.181	ug/l	99
10) Methyl Iodide	2.50	142	79836	20.901	ug/l	97
11) Tert butyl alcohol	3.01	59	85825	102.194	ug/l	98
12) 1,1-Dichloroethene	2.37	96	71914	18.616	ug/l	96
13) Acrolein	2.28	56	46634	72.856	ug/l	98
14) Allyl chloride	2.72	41	126595	18.483	ug/l	99
15) Acrylonitrile	3.12	53	216675	101.772	ug/l	99
16) Acetone	2.42	43	234718	84.636	ug/l	100
17) Carbon Disulfide	2.56	76	187709	17.391	ug/l	98
18) Methyl Acetate	2.76	43	100251	20.927	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	250622	19.934	ug/l	100
20) Methylene Chloride	2.84	84	86535	18.912	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	80010	18.770	ug/l	98
22) Diisopropyl ether	3.84	45	266324	20.359	ug/l	98
23) Vinyl Acetate	3.80	43	1128855	104.683	ug/l	100
24) 1,1-Dichloroethane	3.69	63	144225	19.535	ug/l	97
25) 2-Butanone	4.65	43	314366	97.080	ug/l	99
26) 2,2-Dichloropropane	4.57	77	117490	18.466	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	91515	19.206	ug/l	100
28) Bromochloromethane	5.00	49	60179	21.030	ug/l	98
29) Tetrahydrofuran	5.11	42	188929	102.634	ug/l	99
30) Chloroform	5.20	83	146353	19.980	ug/l	95
31) Cyclohexane	5.57	56	124288	18.483	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	121092	18.899	ug/l	98
36) 1,1-Dichloropropene	5.79	75	106118	18.991	ug/l	98
37) Ethyl Acetate	4.81	43	118373	20.311	ug/l	99
38) Carbon Tetrachloride	5.78	117	105251	19.328	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	128921	18.448	ug/l	96
40) Benzene	6.13	78	324648	19.446	ug/l	99
41) Methacrylonitrile	5.03	41	64729	20.617	ug/l	99
42) 1,2-Dichloroethane	6.18	62	117635	19.495	ug/l	100
43) Isopropyl Acetate	6.43	43	194568	20.238	ug/l	98
44) Trichloroethene	7.20	130	91296	18.837	ug/l	96
45) 1,2-Dichloropropane	7.50	63	84433	19.830	ug/l	96
46) Dibromomethane	7.65	93	57127	19.628	ug/l	97
47) Bromodichloromethane	7.89	83	112903	19.565	ug/l	96
48) Methyl methacrylate	7.76	41	92870	19.629	ug/l	100
49) 1,4-Dioxane	7.73	88	38741	437.944	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	598469	103.094	ug/l	99
52) Toluene	8.78	92	205480	19.378	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	121310	19.181	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	135380	19.377	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	85308	19.885	ug/l	96
56) Ethyl methacrylate	9.17	69	127099	19.710	ug/l	98
57) 1,3-Dichloropropane	9.36	76	144011	19.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	332663	98.643	ug/l	100
59) 2-Hexanone	9.48	43	455308	99.785	ug/l	100
60) Dibromochloromethane	9.57	129	88908	19.257	ug/l	95
61) 1,2-Dibromoethane	9.67	107	90587	19.570	ug/l	100
64) Tetrachloroethene	9.33	164	95181	17.589	ug/l	98
65) Chlorobenzene	10.13	112	225506	19.210	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	86489	20.294	ug/l	97
67) Ethyl Benzene	10.25	91	390579	19.564	ug/l	99
68) m/p-Xylenes	10.35	106	303656	39.482	ug/l	98
69) o-Xylene	10.69	106	146015	19.750	ug/l	97
70) Styrene	10.71	104	246622	19.718	ug/l	100
71) Bromoform	10.85	173	68597	19.283	ug/l #	98
73) Isopropylbenzene	11.01	105	389912	20.024	ug/l	100
74) N-amyl acetate	10.89	43	162360	20.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	127911	20.095	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	107960m	19.227	ug/l	
77) Bromobenzene	11.25	156	106684	19.630	ug/l	97
78) n-propylbenzene	11.35	91	444548	19.739	ug/l	99
79) 2-Chlorotoluene	11.42	91	260949	19.709	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	328619	20.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	39457	17.988	ug/l	93
82) 4-Chlorotoluene	11.51	91	303518	19.358	ug/l	100
83) tert-Butylbenzene	11.76	119	315211	20.459	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	331376	20.210	ug/l	100
85) sec-Butylbenzene	11.94	105	380963	19.904	ug/l	99
86) p-Isopropyltoluene	12.06	119	356432	19.901	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187943	19.276	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	186310	18.712	ug/l	99
89) n-Butylbenzene	12.39	91	303061	18.893	ug/l	100
90) Hexachloroethane	12.59	117	60873	19.462	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	188435	19.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	27271	18.262	ug/l	99

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ClientSampleId :
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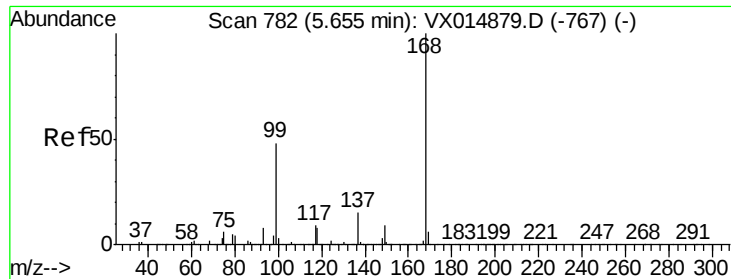
Manual Integrations
APPROVED

MMDadoda
2/21/2020 9:15:28 AM

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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	131959	18.698	ug/l	100
94) Hexachlorobutadiene	13.78	225	67772	19.854	ug/l	99
95) Naphthalene	13.83	128	372959	19.876	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	132971	19.502	ug/l	99

(#) = 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: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion:168 Resp: 421458

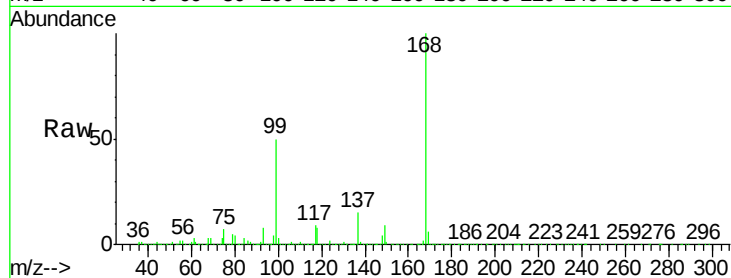
Ion Ratio Lower Upper

168 100

99 50.0 38.7 58.1

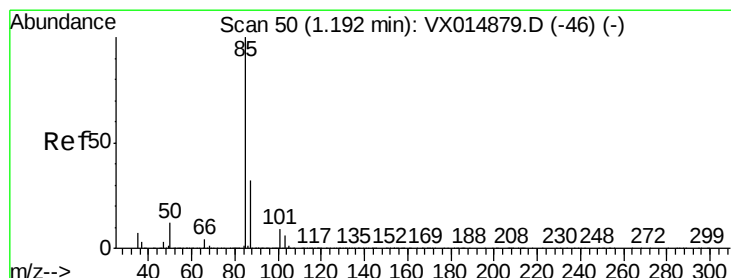
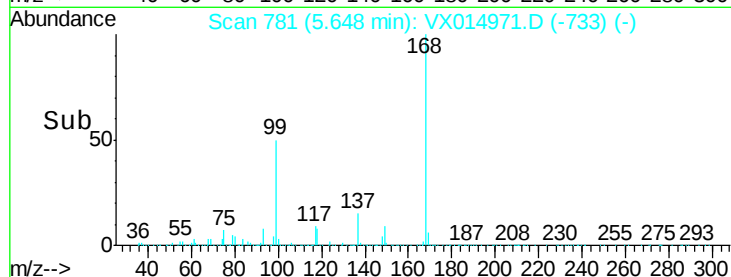
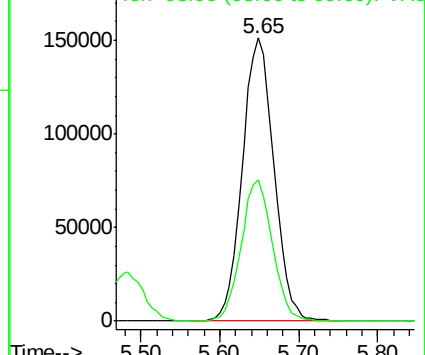
Manual Integrations
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2/21/2020 9:15:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.947 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX014971.D

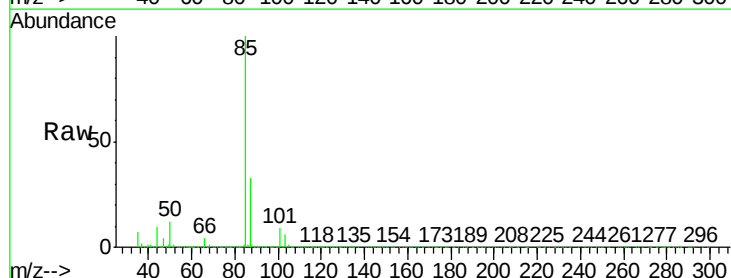
Acq: 20 Feb 2020 11:44

Tgt Ion: 85 Resp: 75622

Ion Ratio Lower Upper

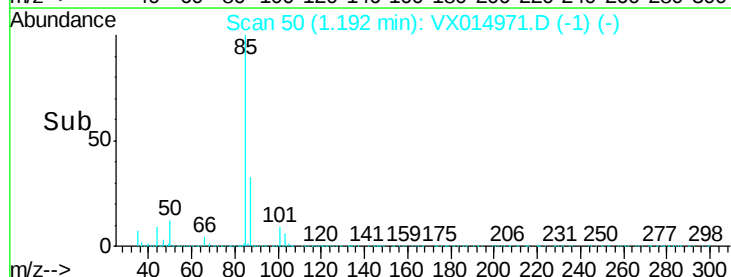
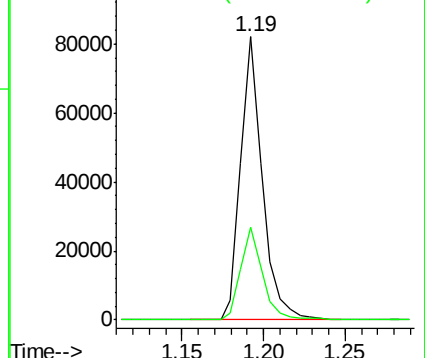
85 100

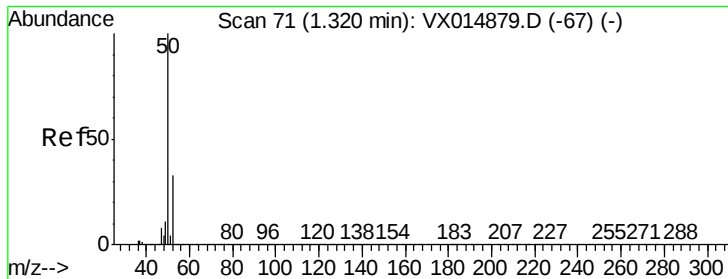
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.996 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 50 Resp: 85960

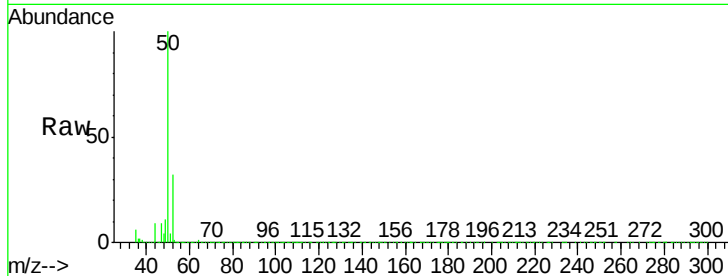
Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.2

Manual Integrations
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2/21/2020 9:15:28 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

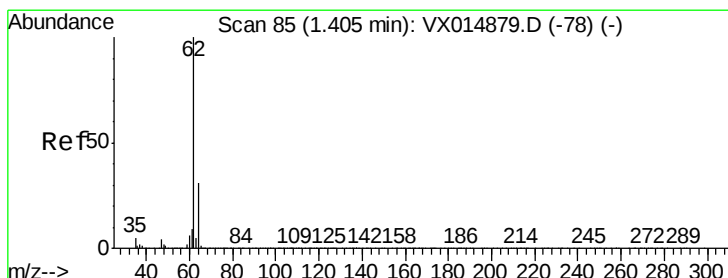
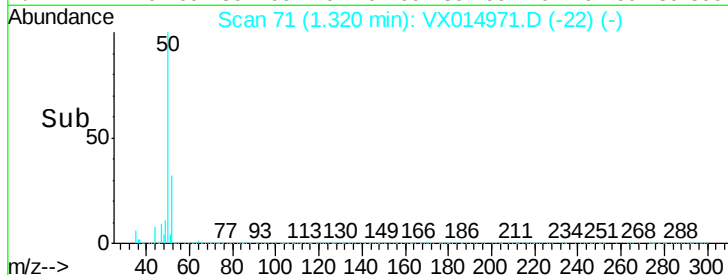
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.581 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX014971.D

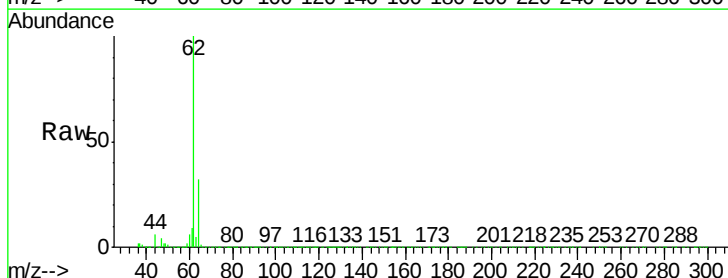
Acq: 20 Feb 2020 11:44

Tgt Ion: 62 Resp: 90575

Ion Ratio Lower Upper

62 100

64 31.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

100000

80000

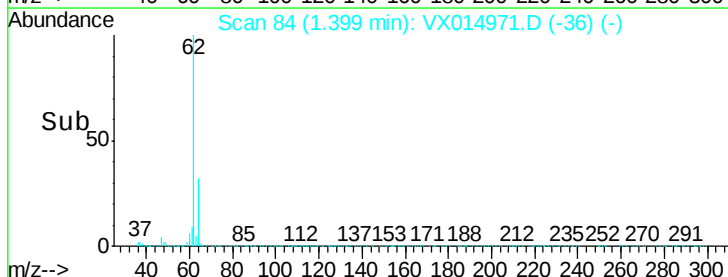
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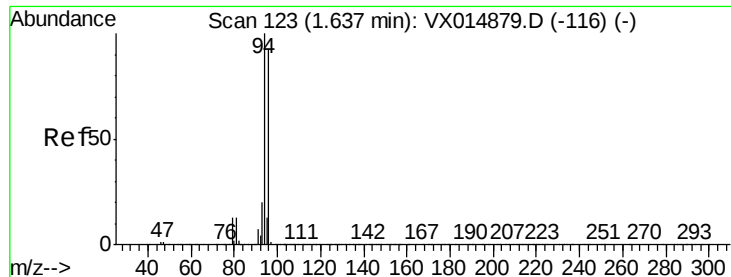
40000

20000

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Time-->





#5

Bromomethane

Concen: 18.889 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 94 Resp: 59601

Ion Ratio Lower Upper

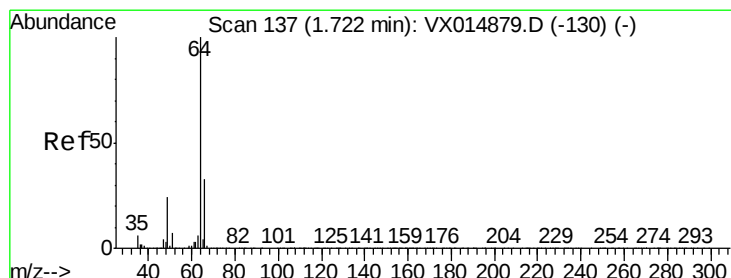
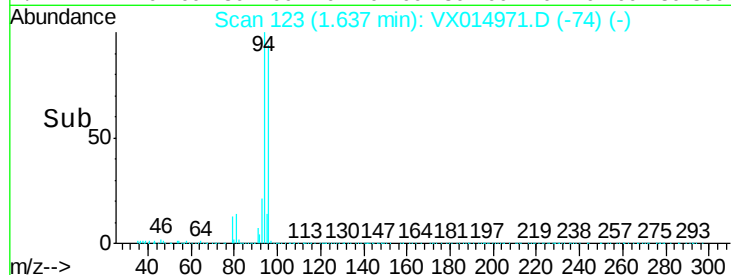
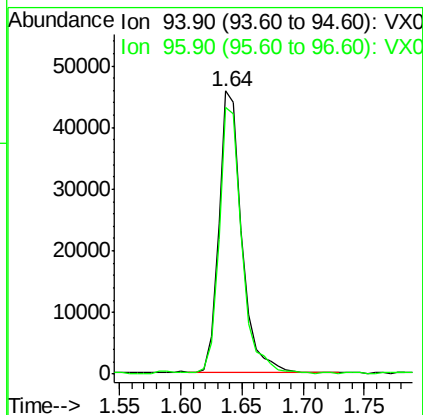
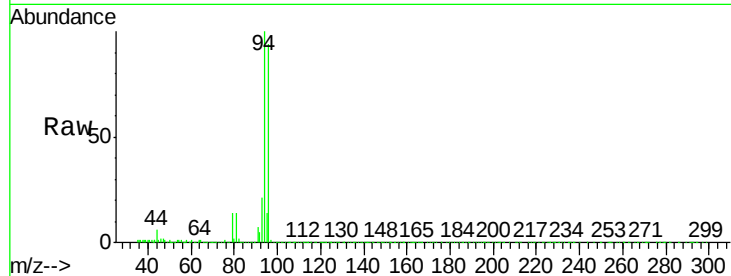
94 100

96 94.2 73.7 110.5

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#6

Chloroethane

Concen: 18.700 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX014971.D

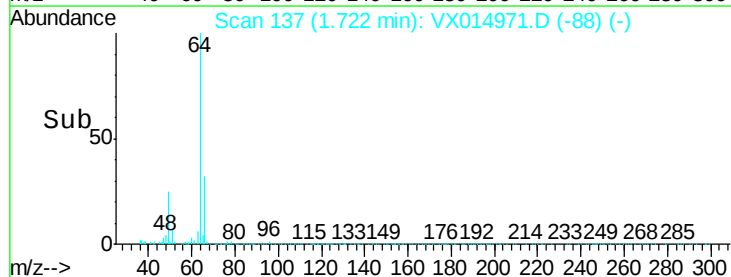
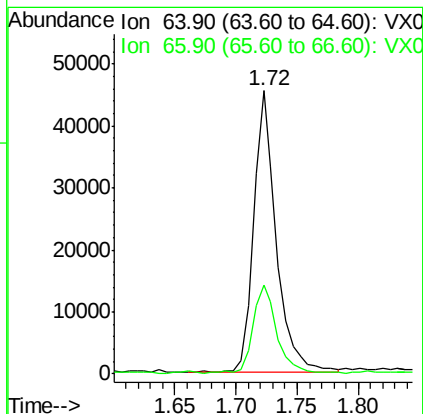
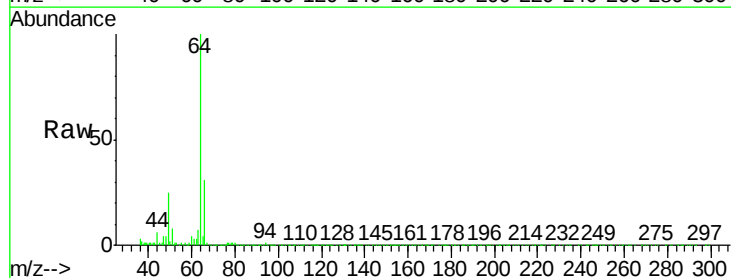
Acq: 20 Feb 2020 11:44

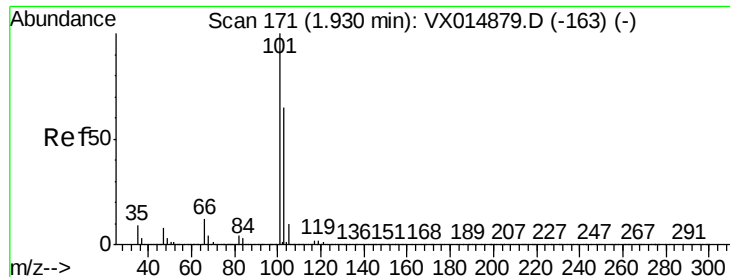
Tgt Ion: 64 Resp: 58327

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.4





#7

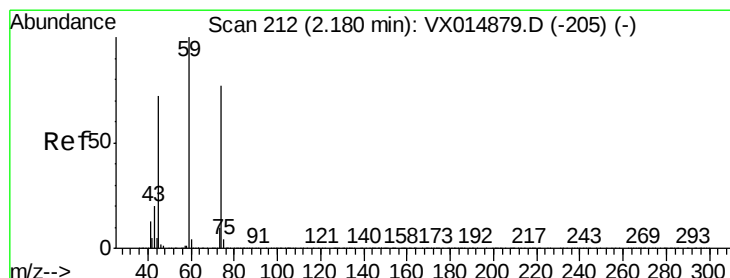
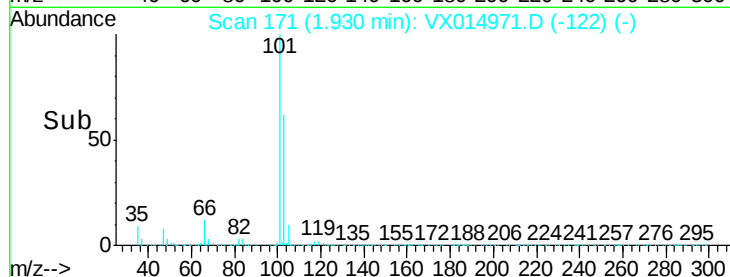
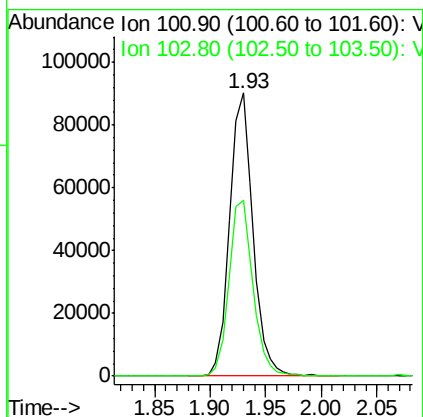
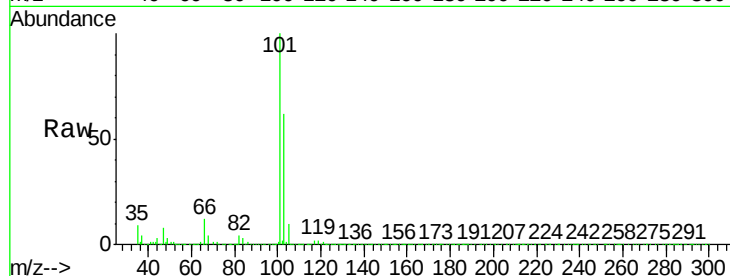
Trichlorofluoromethane
Concen: 19.202 ug/l
RT: 1.93 min Scan# 171
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.2	78.4

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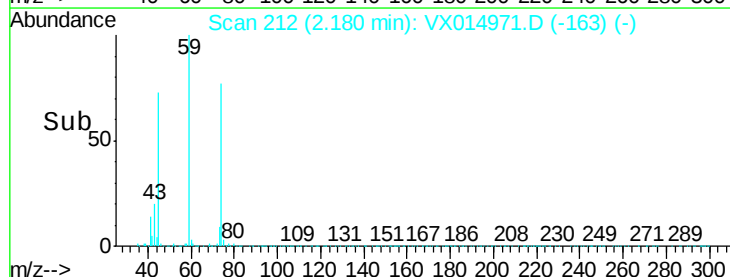
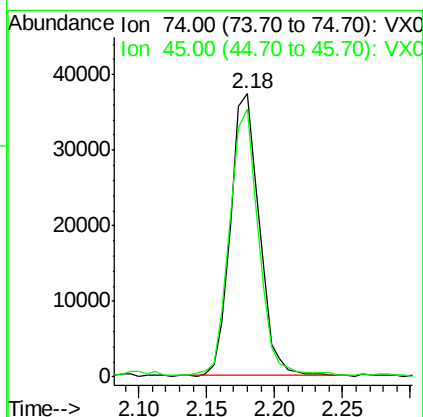
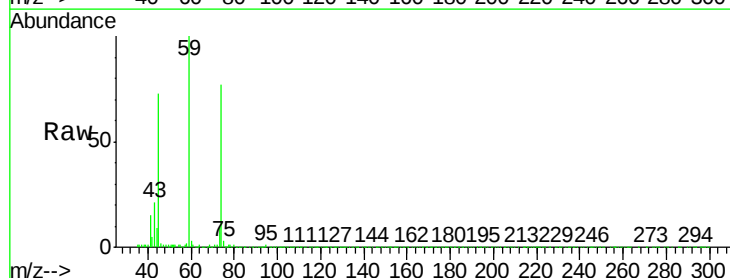
MMDadoda
2/21/2020 9:15:28 AM

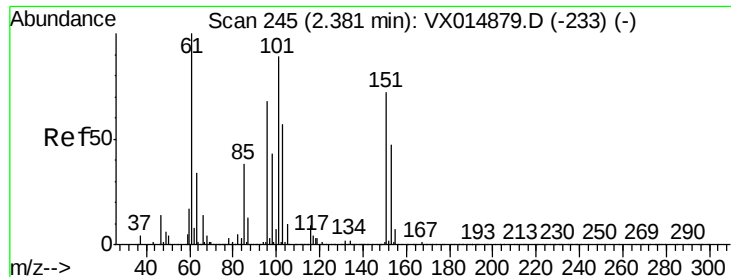


#8

Diethyl Ether
Concen: 19.464 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.181 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

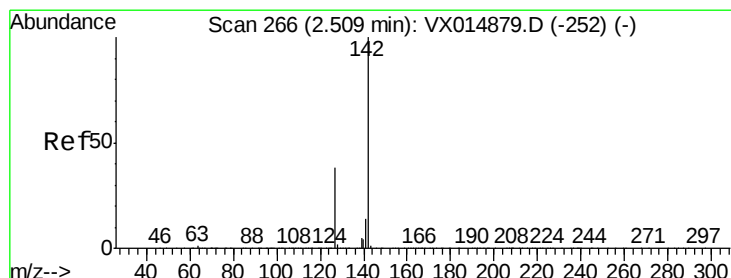
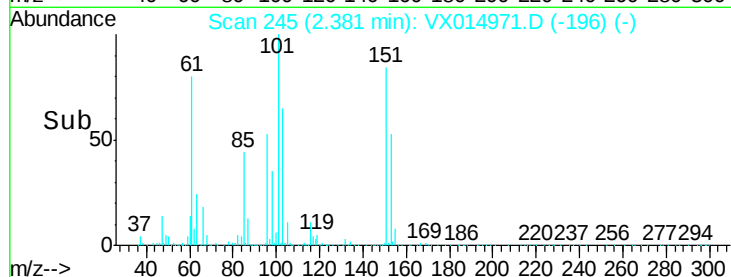
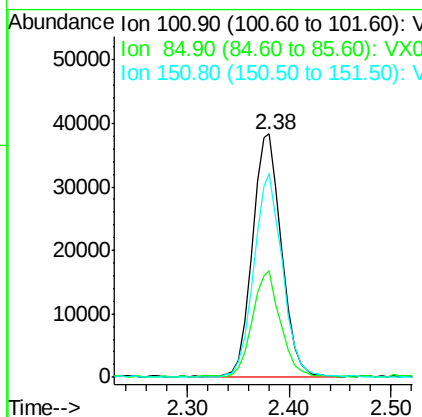
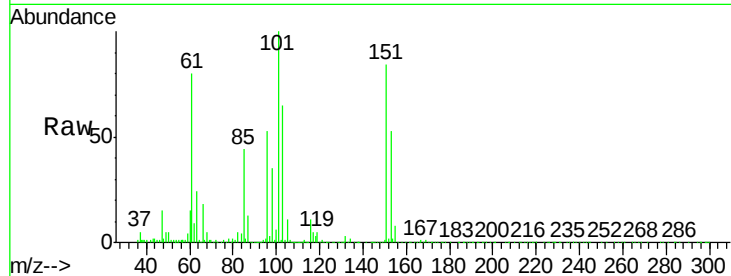
ClientSampleId :

VX0220WBSD01

Tot Ion:	101	Resp:	75829
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.1	51.1
151	83.1	67.3	100.9

Manual Integrations
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2/21/2020 9:15:28 AM



#10

Methyl Iodide

Concen: 20.901 ug/l

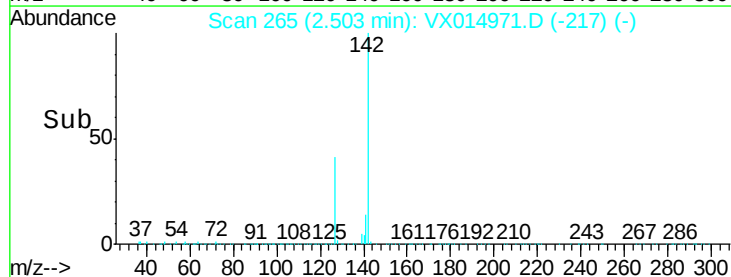
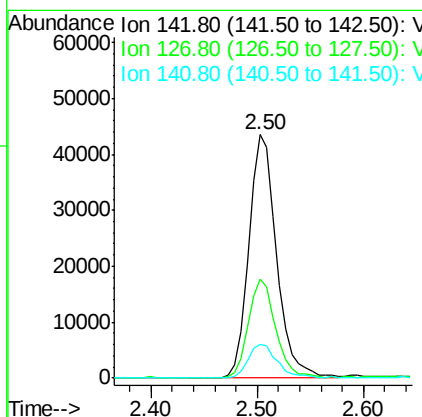
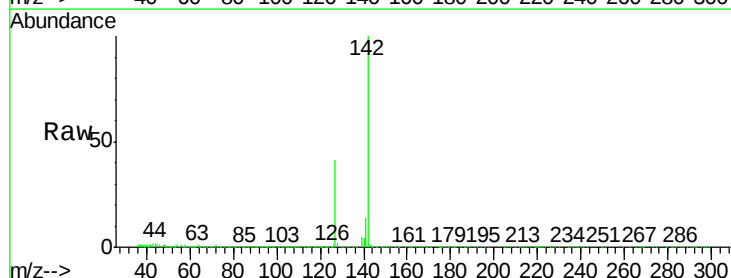
RT: 2.50 min Scan# 265

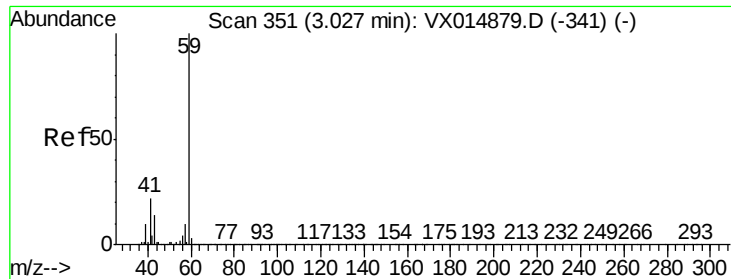
Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	142	Resp:	79836
Ion Ratio	Lower	Upper	
142	100		
127	40.7	31.1	46.7
141	14.7	11.3	16.9





#11

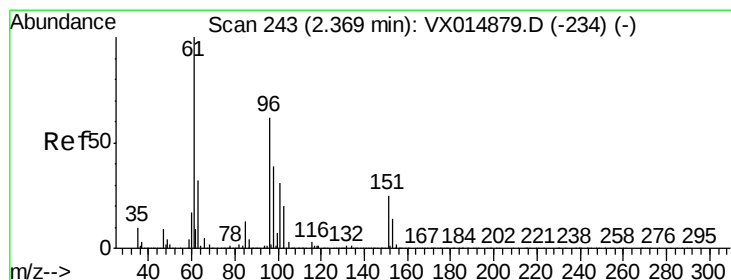
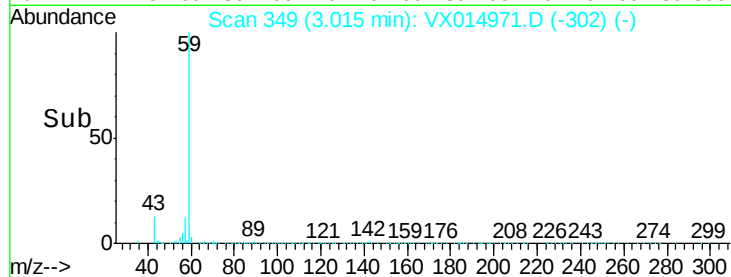
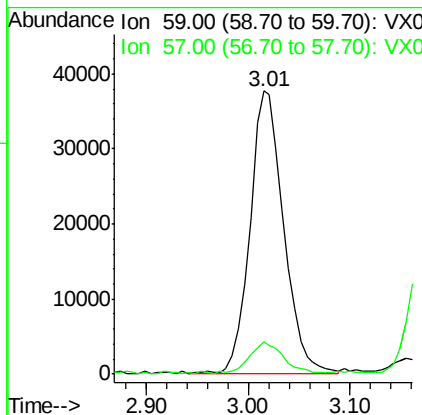
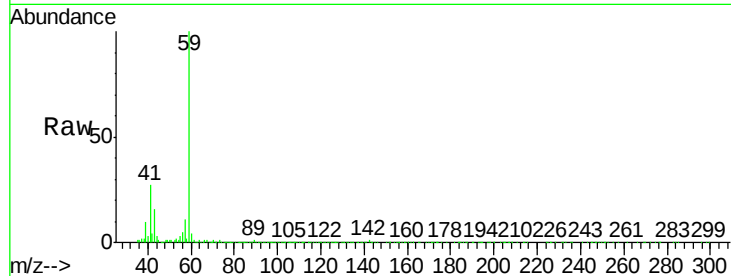
Tert butyl alcohol
Concen: 102.194 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.4

Manual Integrations
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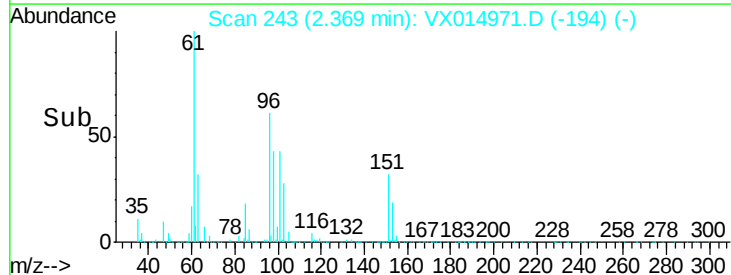
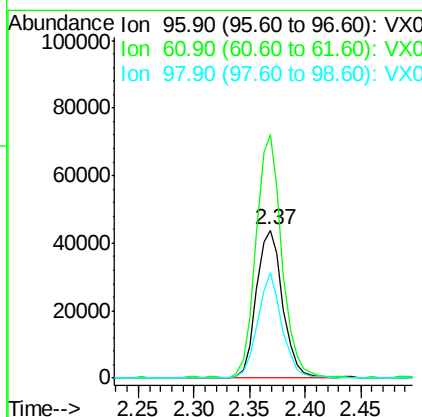
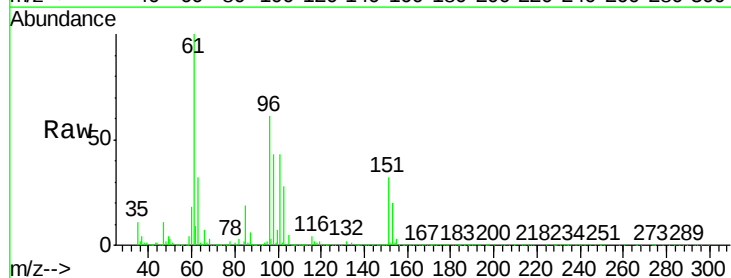
MMDadoda
2/21/2020 9:15:28 AM

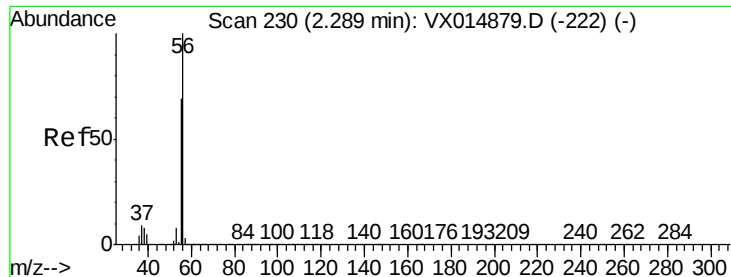


#12

1,1-Dichloroethene
Concen: 18.616 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	129.5	194.3
98	71.0	50.6	76.0





#13

Acrolein

Concen: 72.856 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 56 Resp: 46634

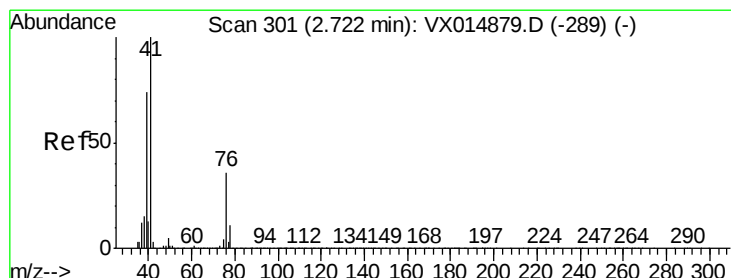
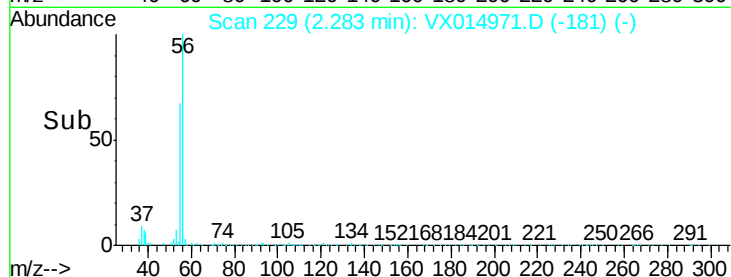
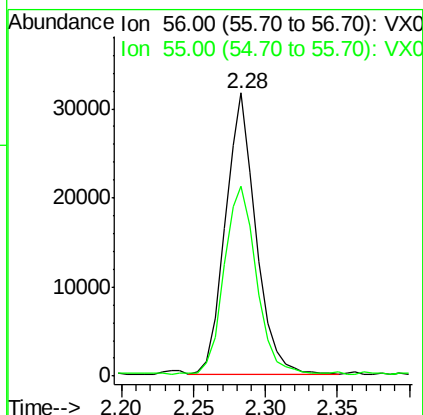
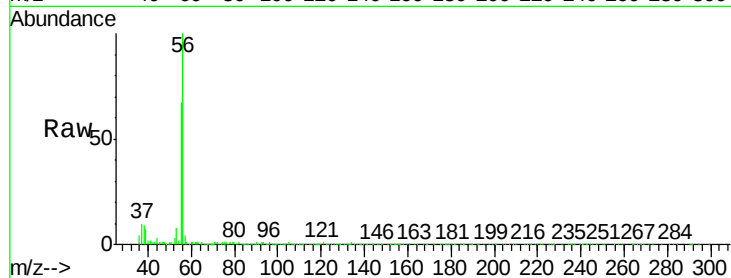
Ion Ratio Lower Upper

56 100

55 70.3 55.0 82.4

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#14

Allyl chloride

Concen: 18.483 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

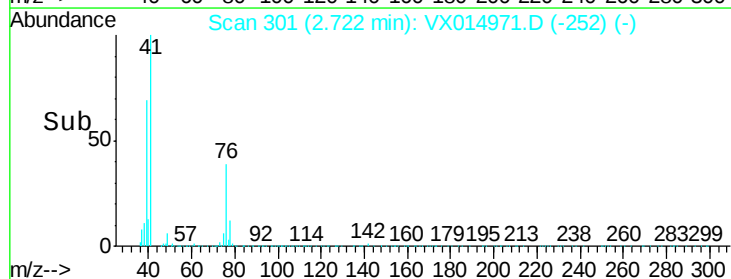
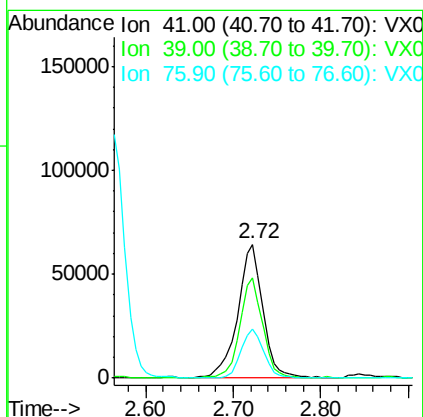
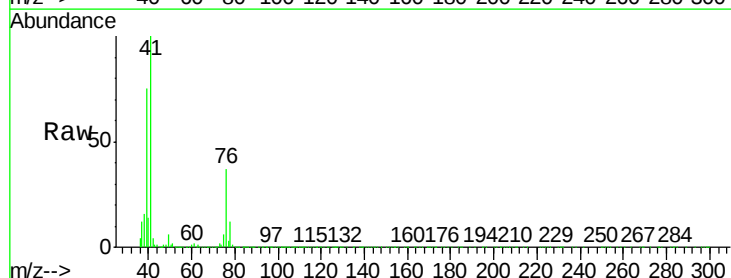
Tgt Ion: 41 Resp: 126595

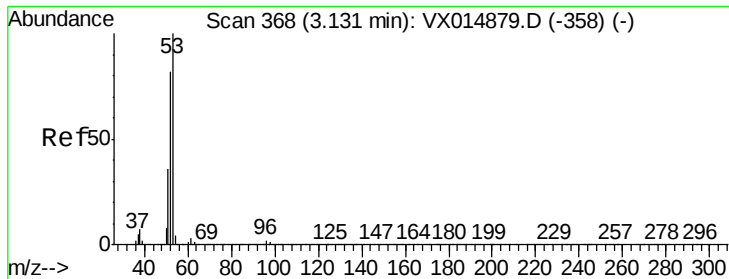
Ion Ratio Lower Upper

41 100

39 67.8 55.2 82.8

76 34.1 26.8 40.2





#15

Acrylonitrile

Concen: 101.772 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

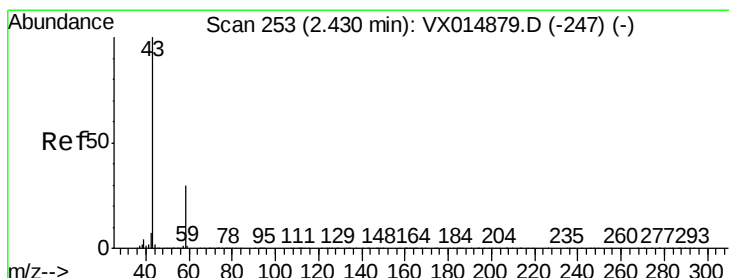
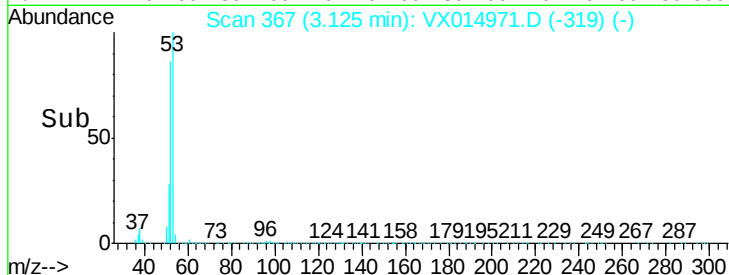
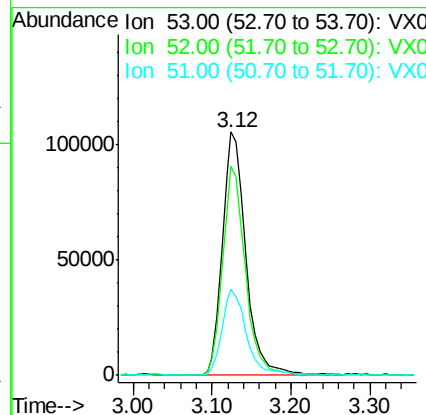
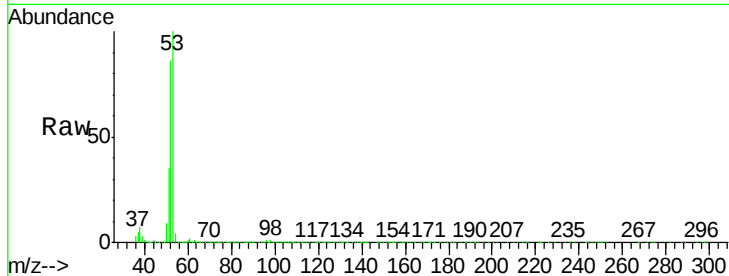
ClientSampleId :

VX0220WBSD01

Tot Ion:	53	Resp:	216675
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.8	98.6
51	36.6	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 84.636 ug/l

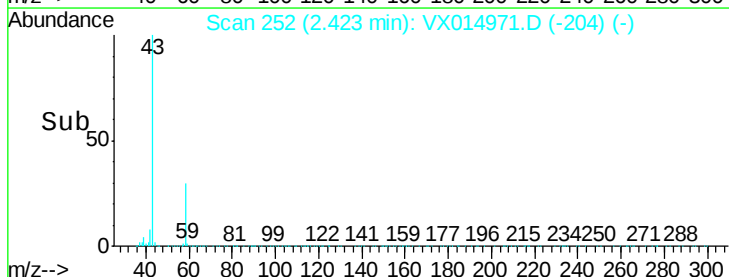
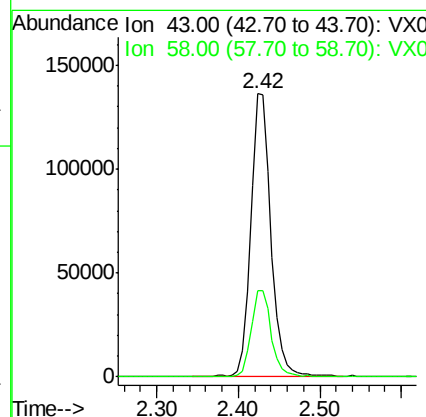
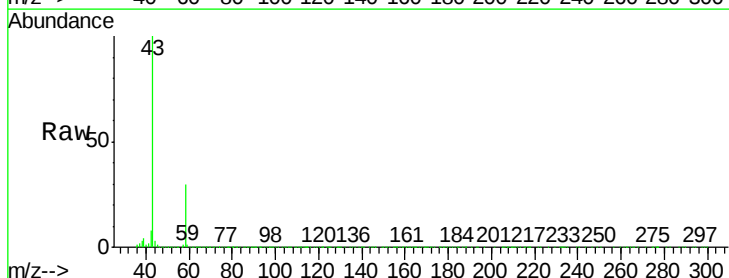
RT: 2.42 min Scan# 252

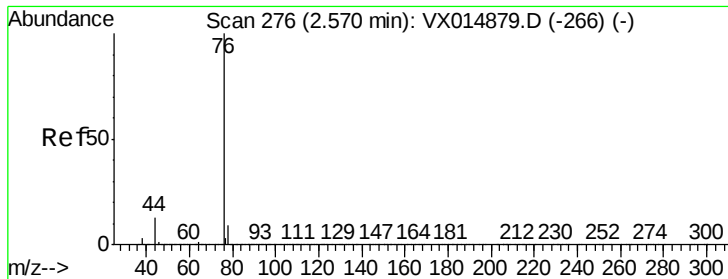
Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	43	Resp:	234718
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.1	36.1





#17

Carbon Disulfide

Concen: 17.391 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 76 Resp: 187709

Ion Ratio Lower Upper

76 100

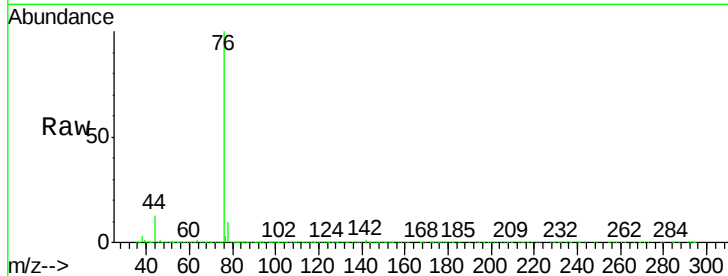
78 9.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

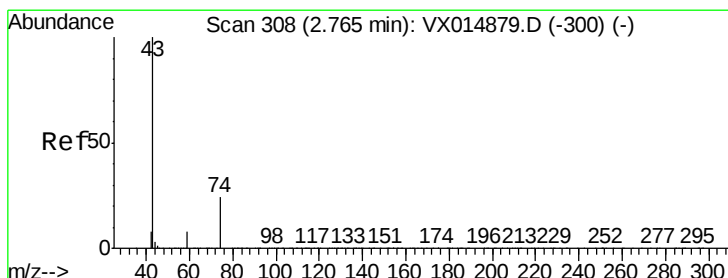
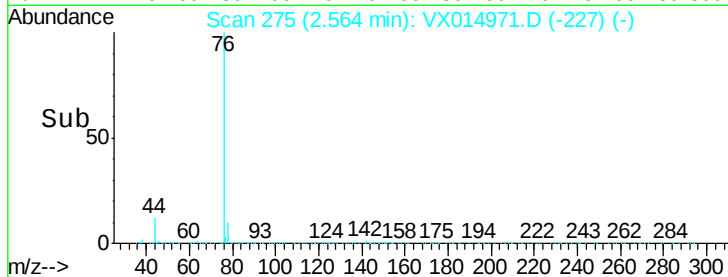
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.927 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014971.D

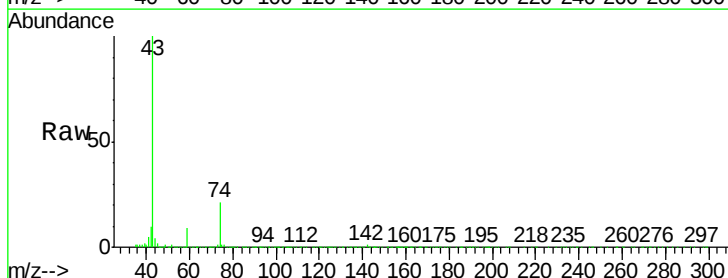
Acq: 20 Feb 2020 11:44

Tgt Ion: 43 Resp: 100251

Ion Ratio Lower Upper

43 100

74 24.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

60000

50000

40000

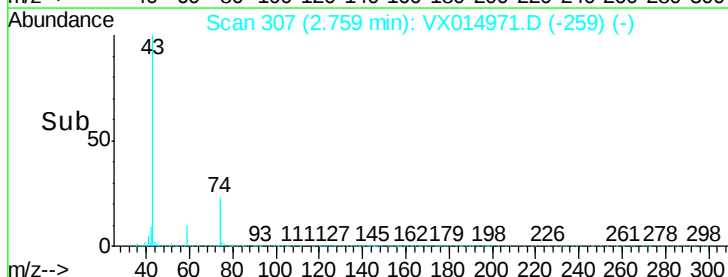
30000

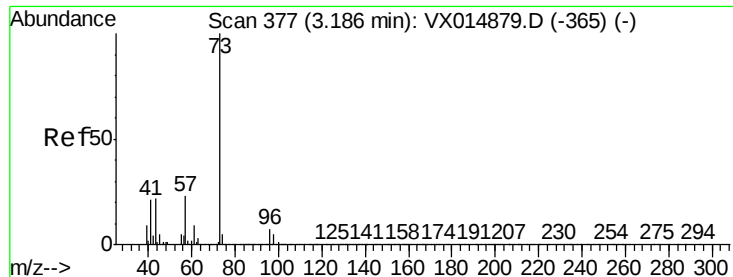
20000

10000

0

Time-->





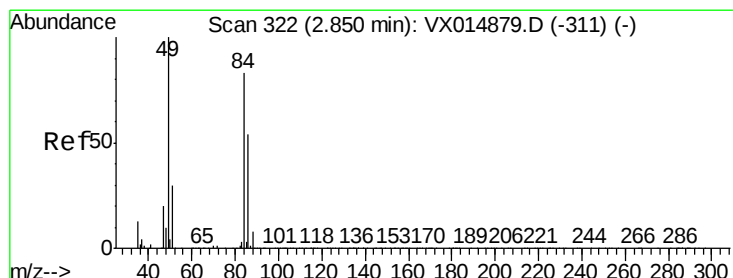
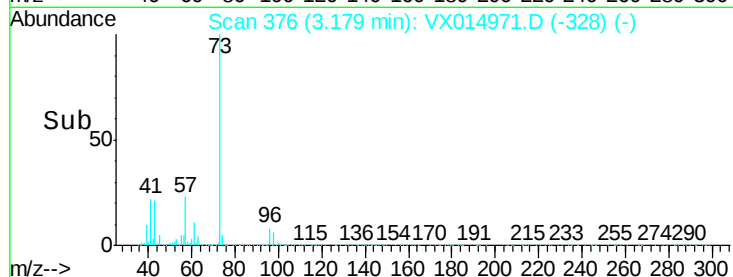
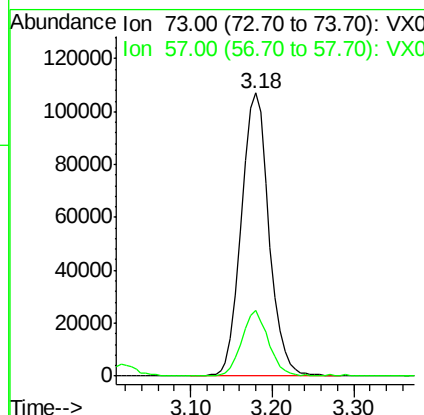
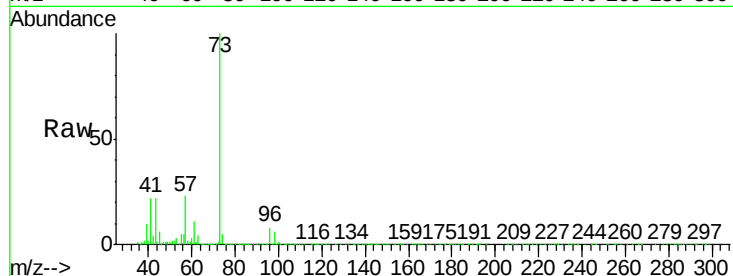
#19
Methvl tert-butvl Ether
Concen: 19.934 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.4

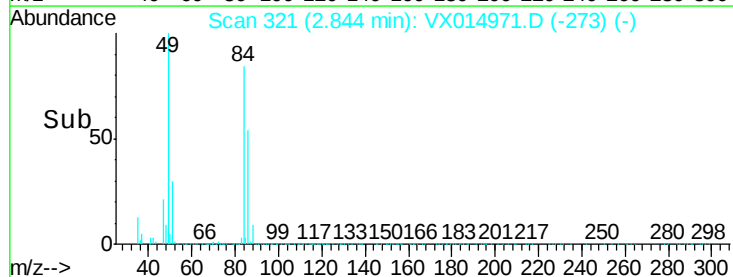
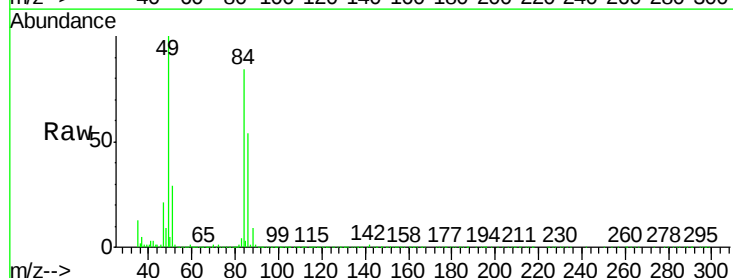
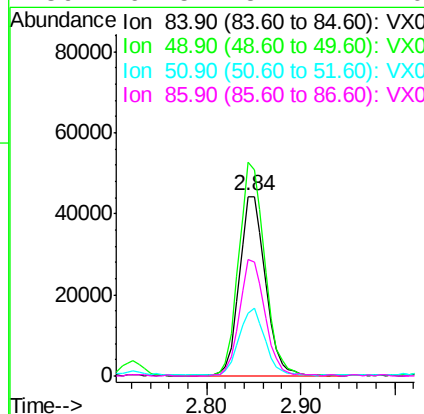
Manual Integrations
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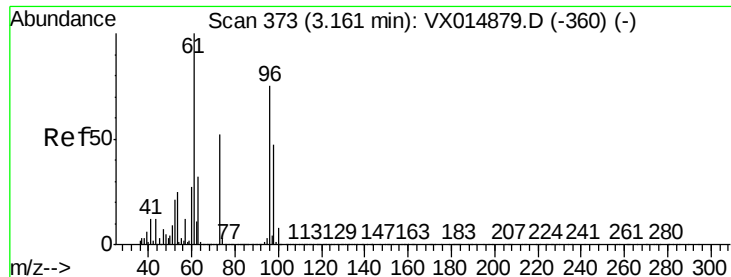
MMDadoda
2/21/2020 9:15:28 AM



#20
Methylene Chloride
Concen: 18.912 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	95.6	143.4
51	34.6	29.0	43.6
86	64.5	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.770 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

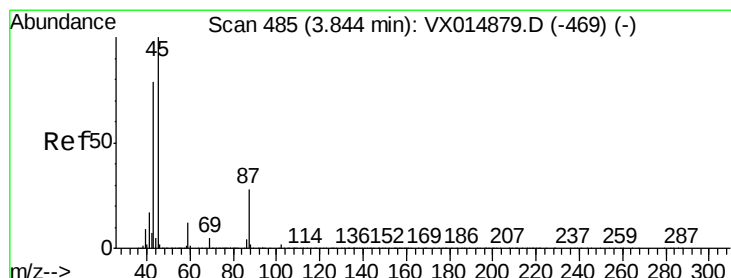
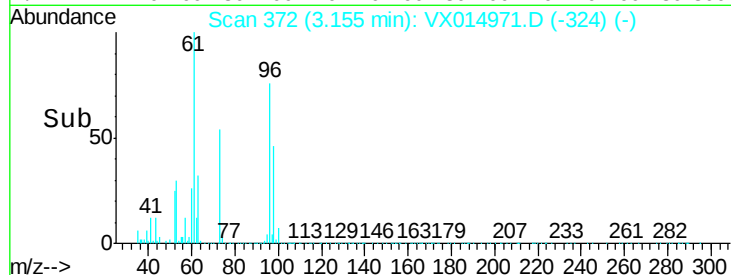
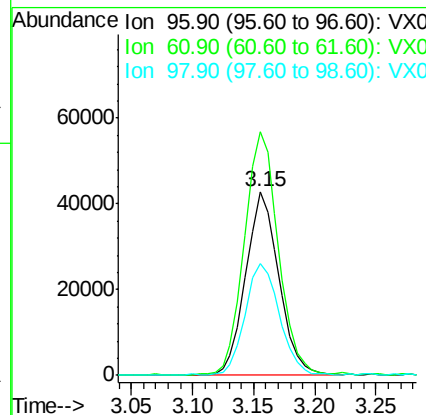
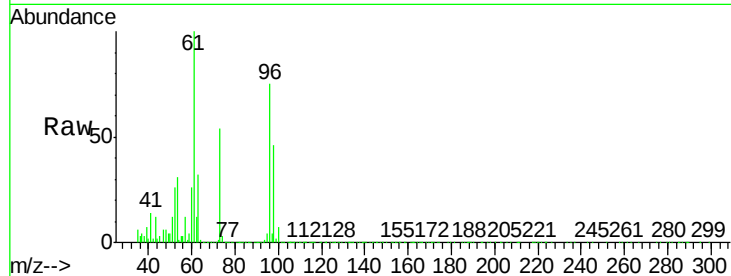
ClientSampleId :

VX0220WBSD01

Tot Ion:	96	Resp:	80010
Ion Ratio	Lower	Upper	
96	100		
61	132.7	106.9	160.3
98	60.8	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.359 ug/l

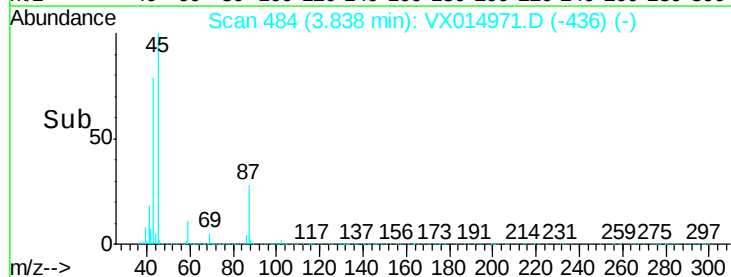
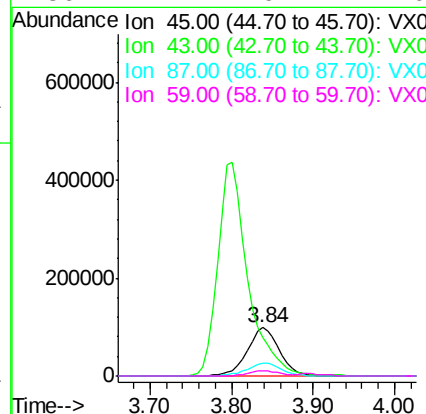
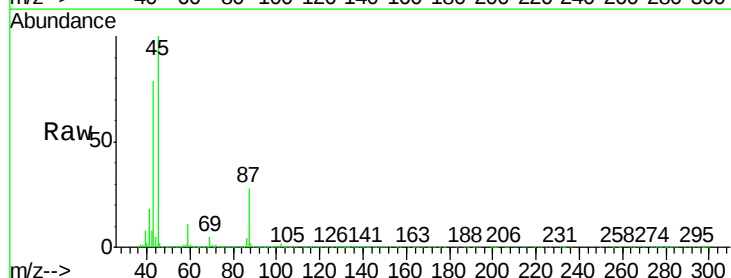
RT: 3.84 min Scan# 484

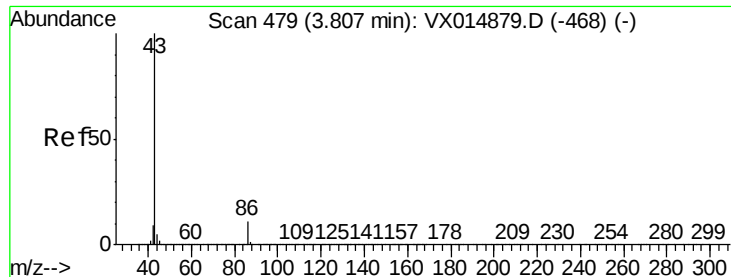
Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	45	Resp:	266324
Ion Ratio	Lower	Upper	
45	100		
43	77.5	63.5	95.3
87	27.6	22.2	33.4
59	11.1	9.4	14.0





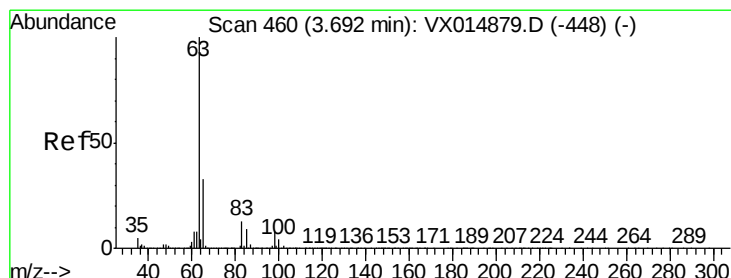
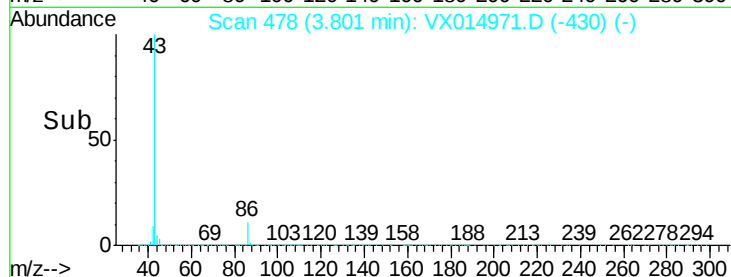
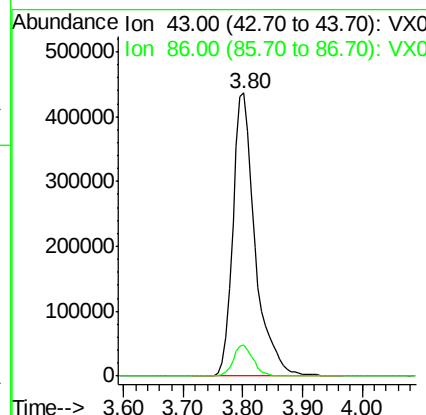
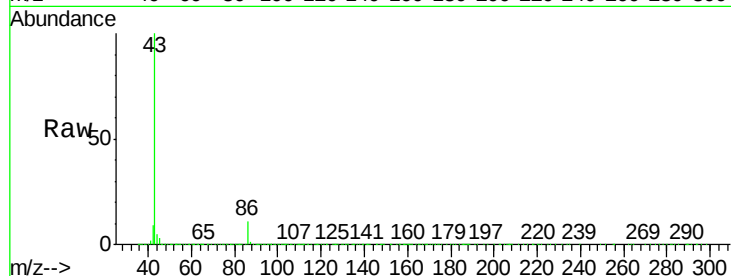
#23
 Vinyl Acetate
 Concen: 104.683 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0220WBSD01

Tot Ion: 43 Resp: 1128855
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3

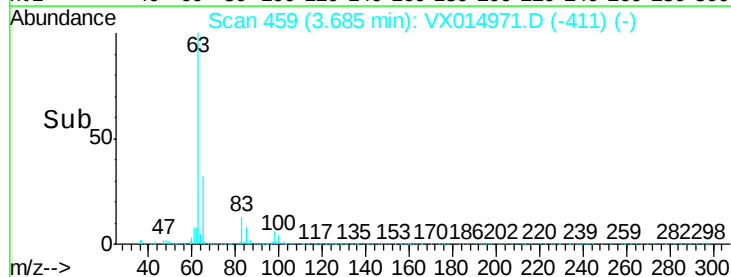
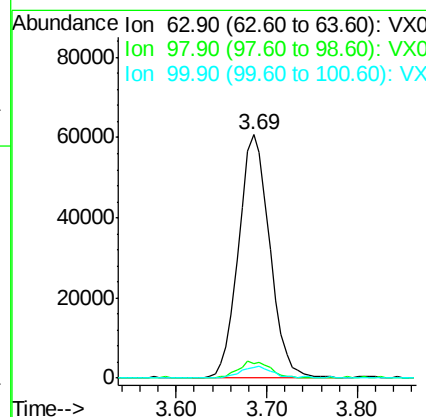
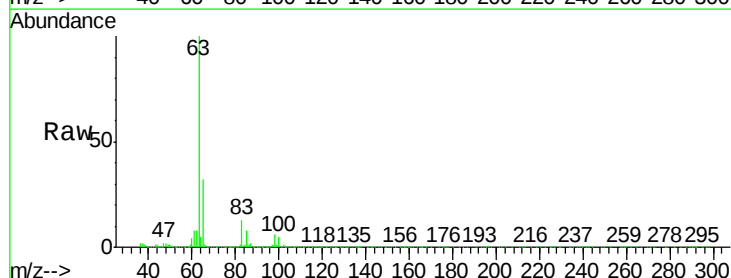
Manual Integrations
 APPROVED

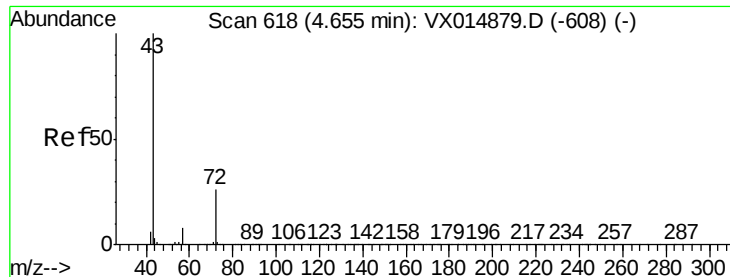
MMDadoda
 2/21/2020 9:15:28 AM



#24
 1,1-Dichloroethane
 Concen: 19.535 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Tgt Ion: 63 Resp: 144225
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.9 11.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 97.080 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tot Ion: 43 Resp: 314366

Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.6

Instrument :

MSVOA_X

ClientSampleId :

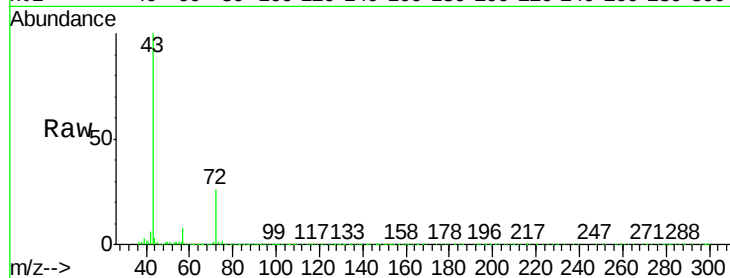
VX0220WBSD01

Manual Integrations

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MMDadoda

2/21/2020 9:15:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

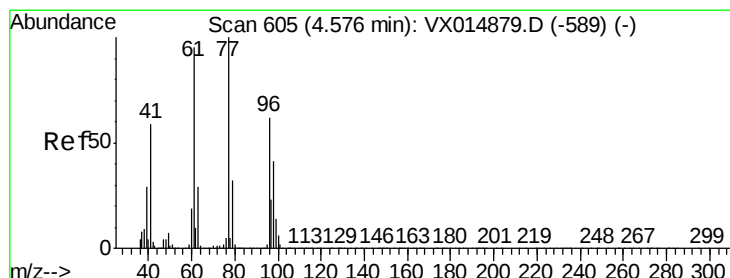
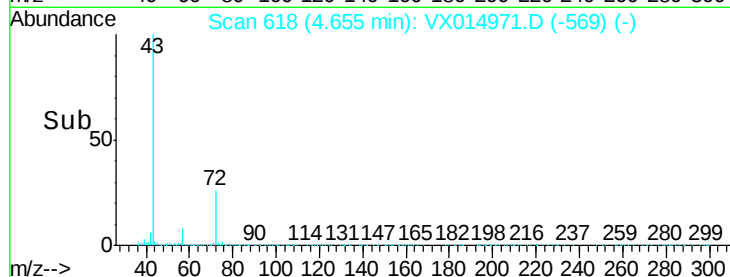
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.466 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014971.D

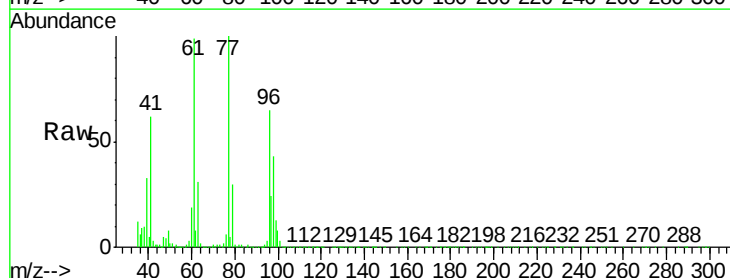
Acq: 20 Feb 2020 11:44

Tgt Ion: 77 Resp: 117490

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

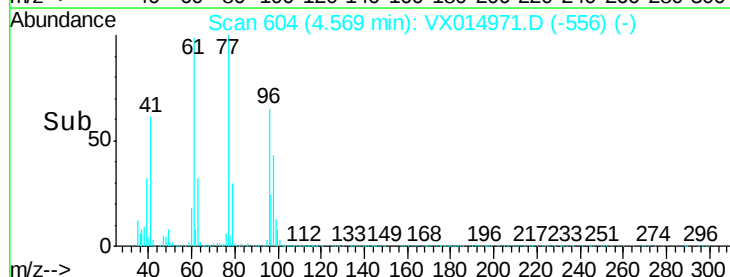
20000

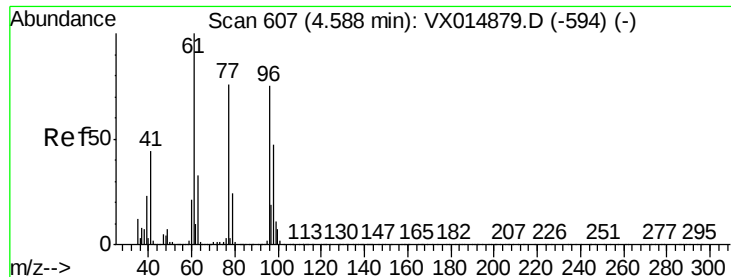
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

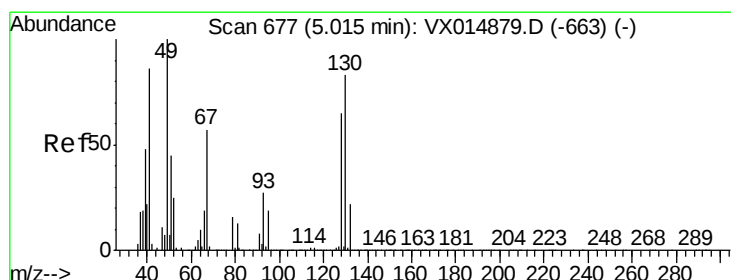
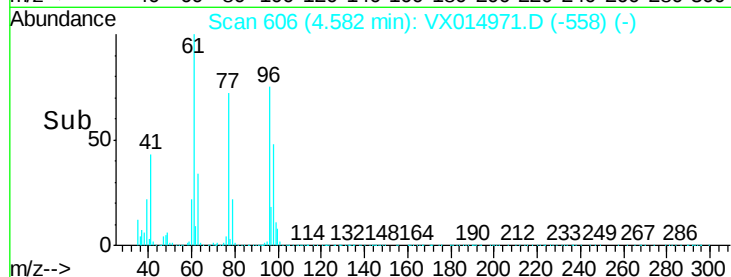
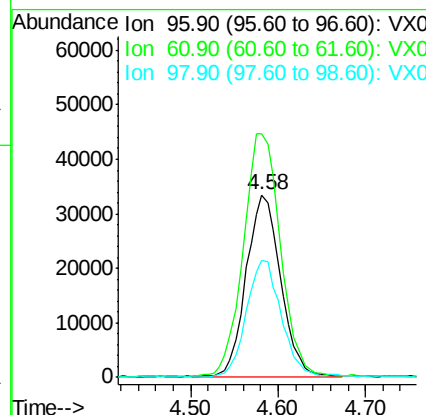
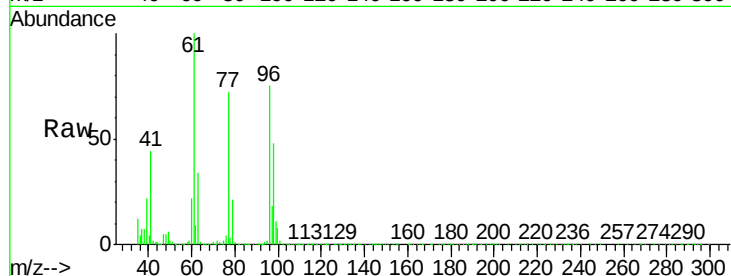
cis-1,2-Dichloroethene
Concen: 19.206 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.4	0.0	286.2	
98	65.0	0.0	131.0	

Manual Integrations
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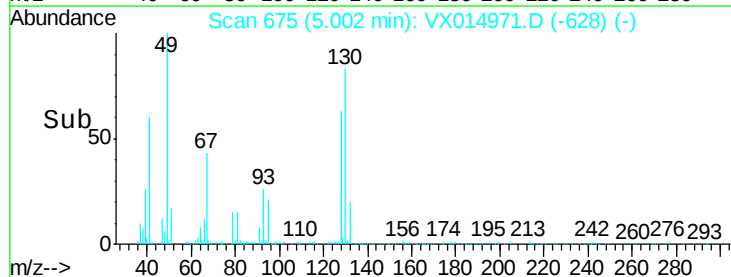
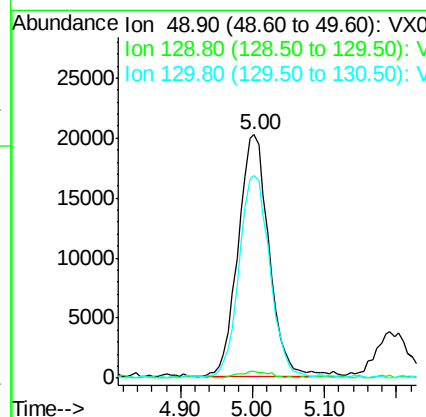
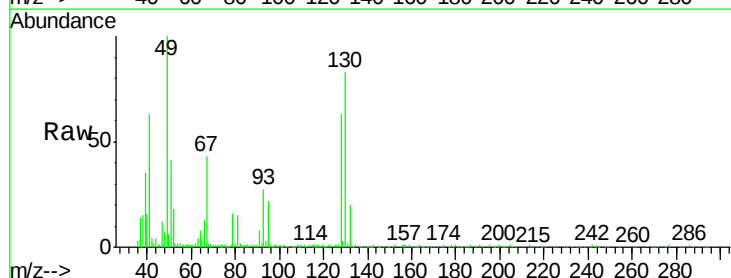
MMDadoda
2/21/2020 9:15:28 AM

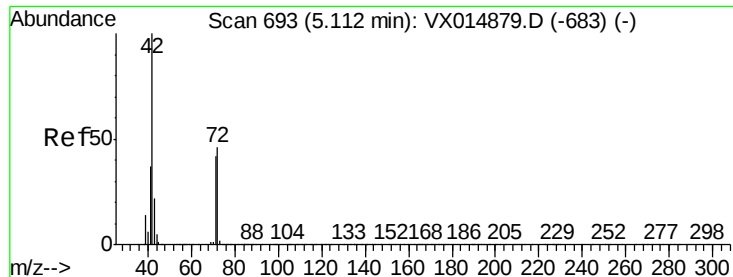


#28

Bromochloromethane
Concen: 21.030 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.2	
130	82.4	67.4	101.2	





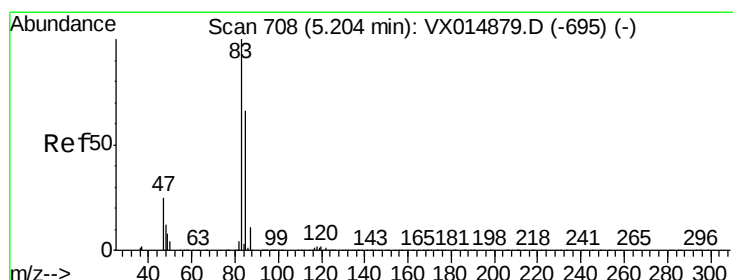
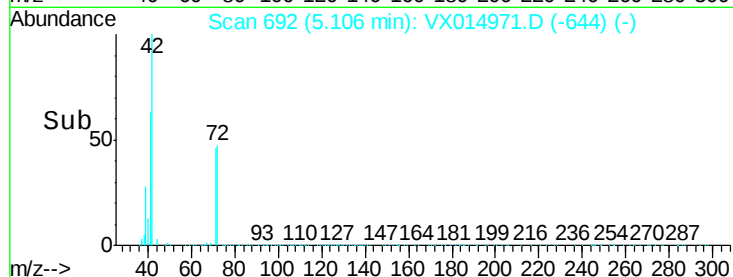
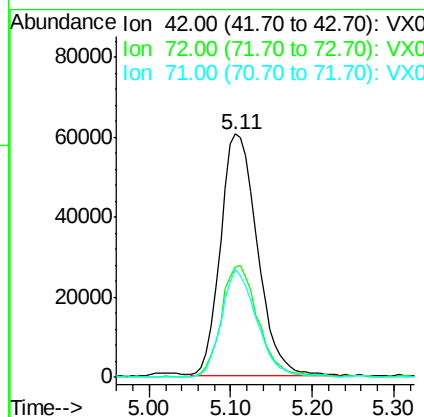
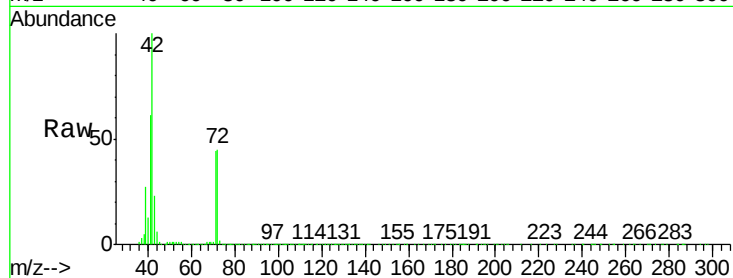
#29
Tetrahydrofuran
Concen: 102.634 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.9	55.3
71	42.1	34.1	51.1

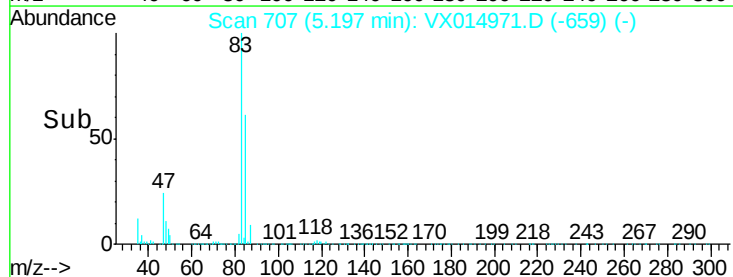
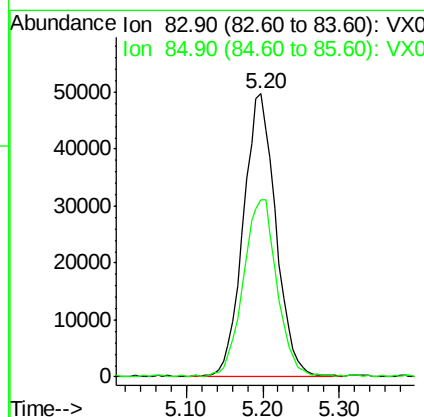
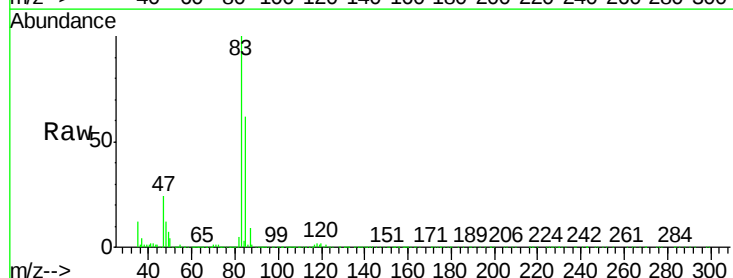
Manual Integrations
APPROVED

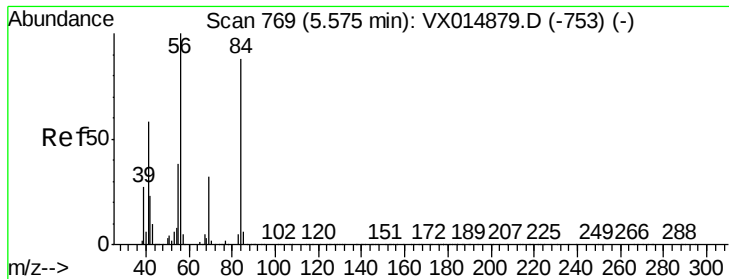
MMDadoda
2/21/2020 9:15:28 AM



#30
Chloroform
Concen: 19.980 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.9	79.3





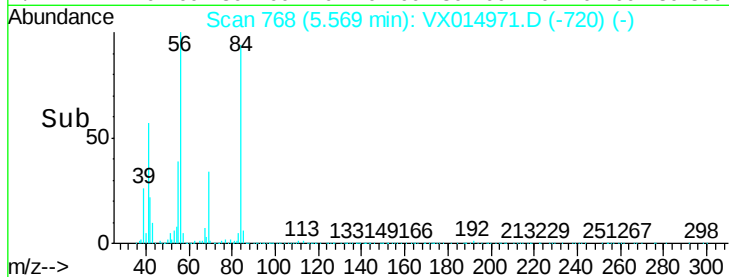
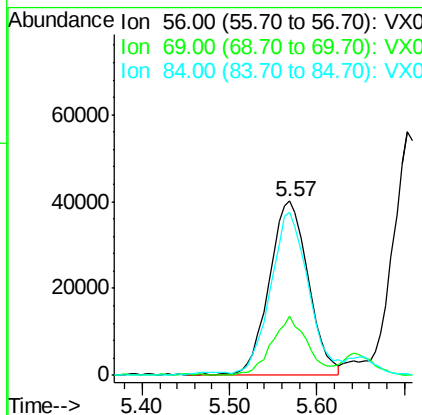
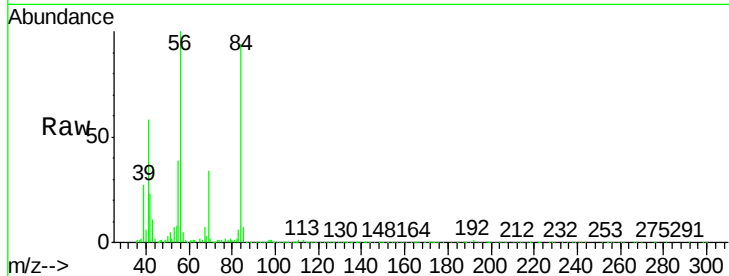
#31
Cyclohexane
Concen: 18.483 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.9	38.9
84	93.2	70.4	105.6

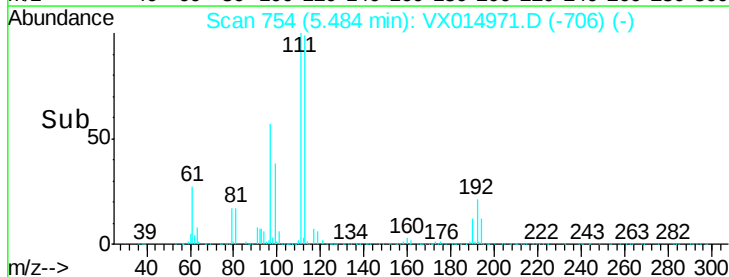
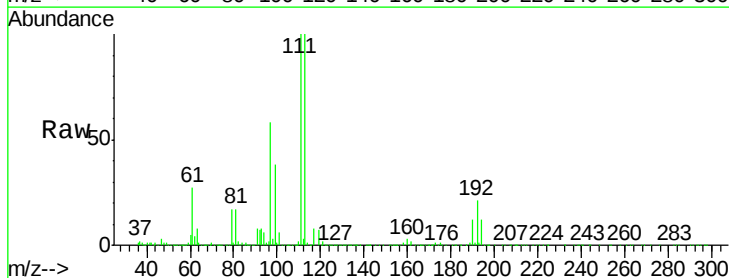
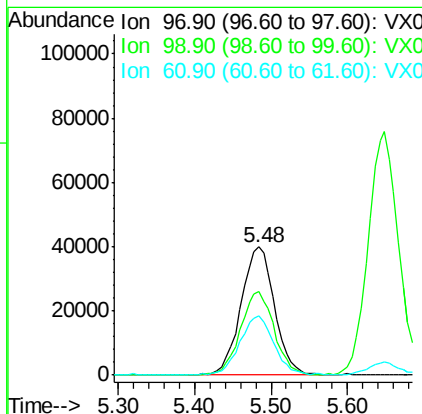
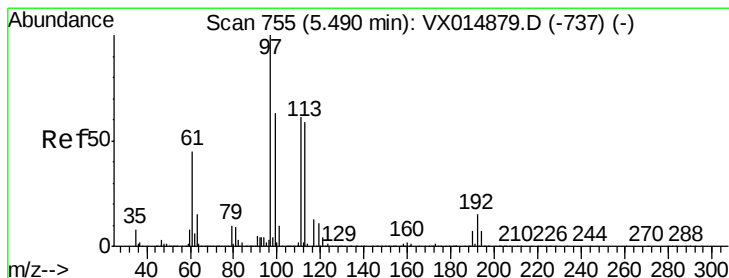
Manual Integrations
APPROVED

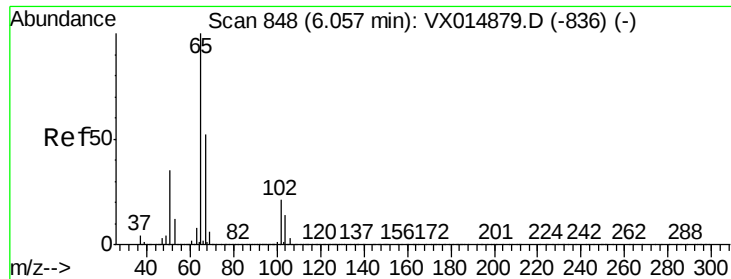
MMDadoda
2/21/2020 9:15:28 AM



#32
1,1,1-Trichloroethane
Concen: 18.899 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	47.1	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 49.506 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleID :

VX0220WBSD01

Tot Ion: 65 Resp: 235474

Ion Ratio Lower Upper

65 100

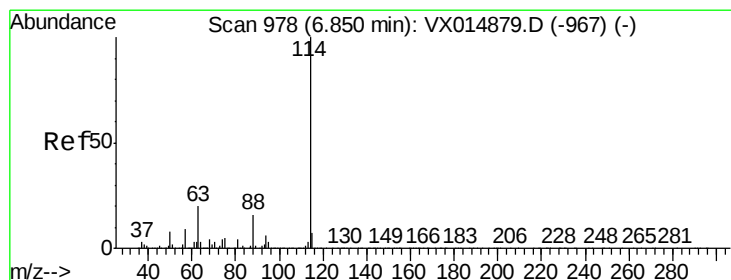
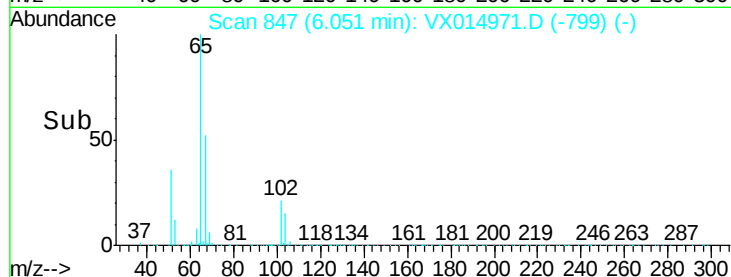
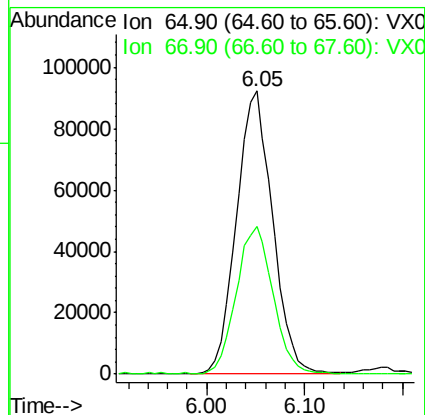
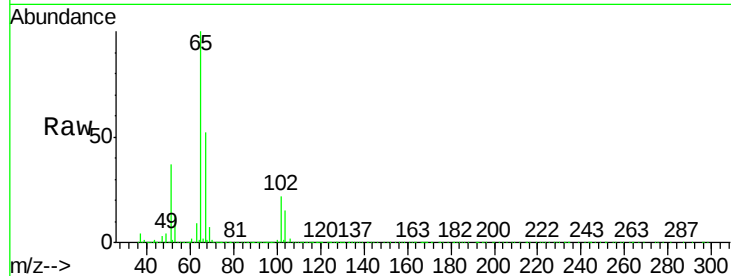
67 52.9 0.0 103.0

Manual Integrations

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2/21/2020 9:15:28 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

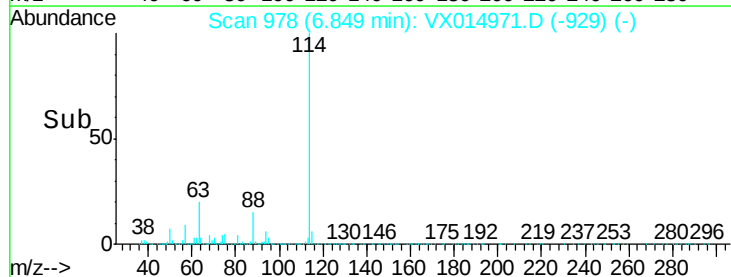
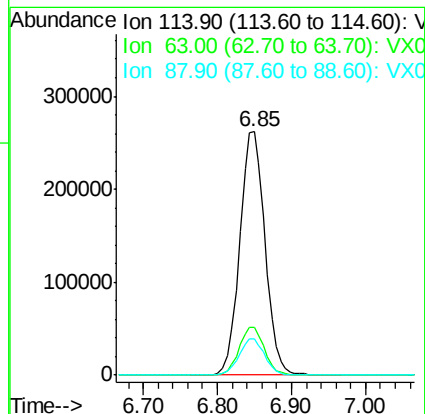
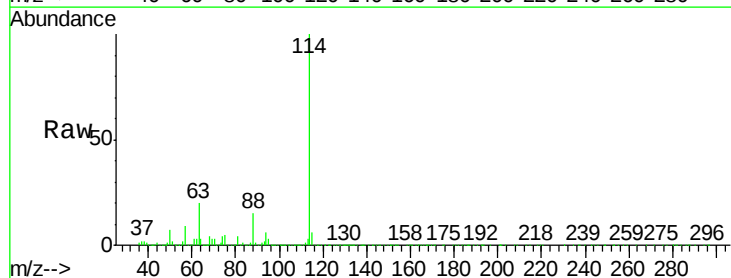
Tgt Ion: 114 Resp: 624656

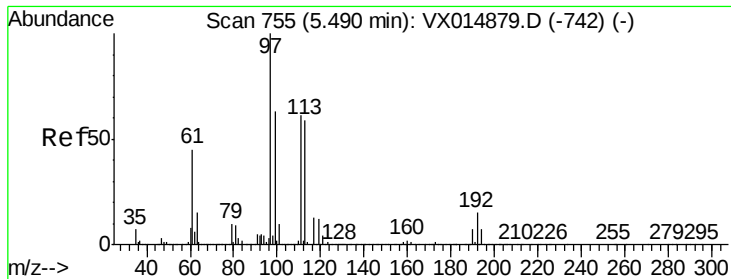
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

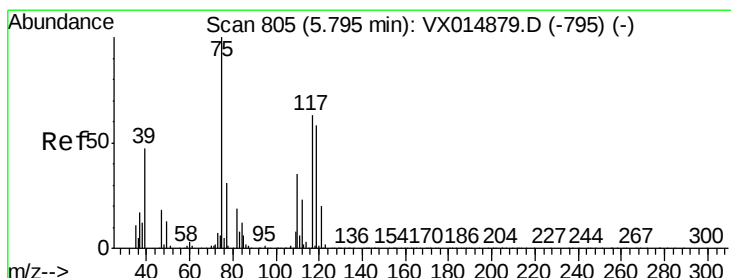
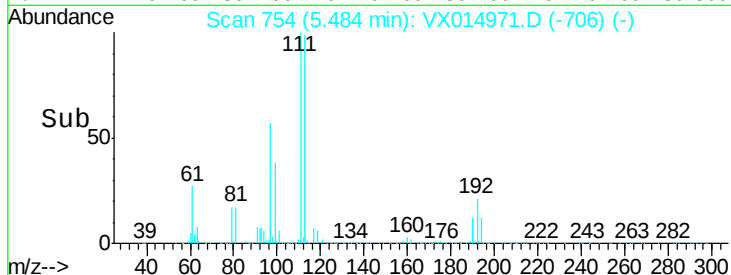
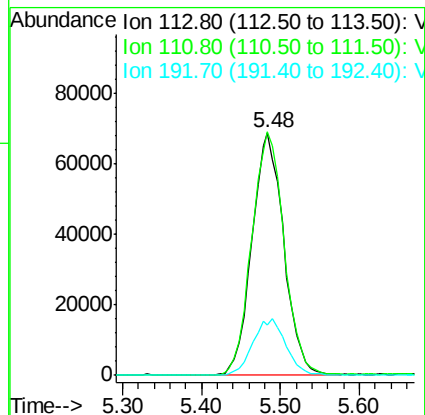
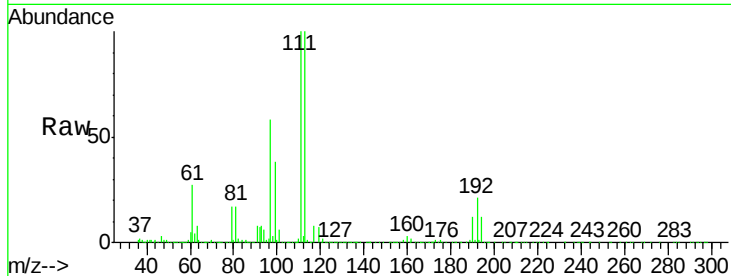
ClientSampleId :

VX0220WBSD01

Tot Ion:	113	Resp:	191653
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.4	123.6
192	24.2	19.1	28.7

Manual Integrations
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2/21/2020 9:15:28 AM



#36

1,1-Dichloropropene

Concen: 18.991 ug/l

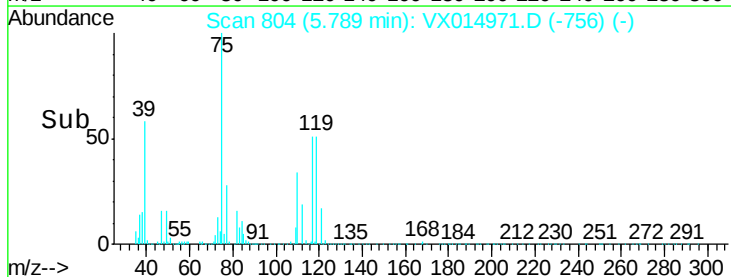
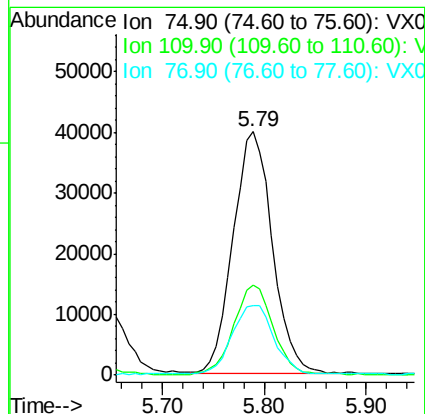
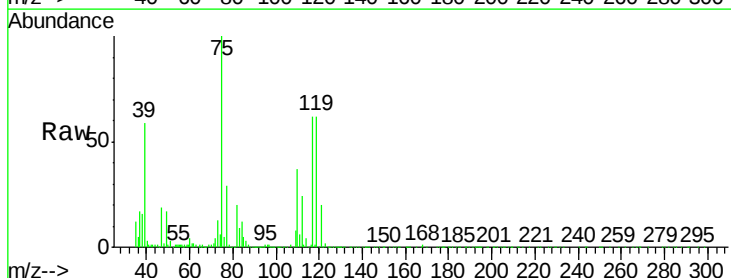
RT: 5.79 min Scan# 804

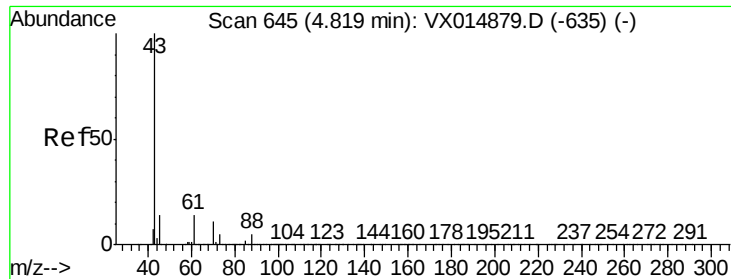
Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	75	Resp:	106118
Ion Ratio	Lower	Upper	
75	100		
110	37.9	18.3	54.8
77	30.4	24.6	36.8





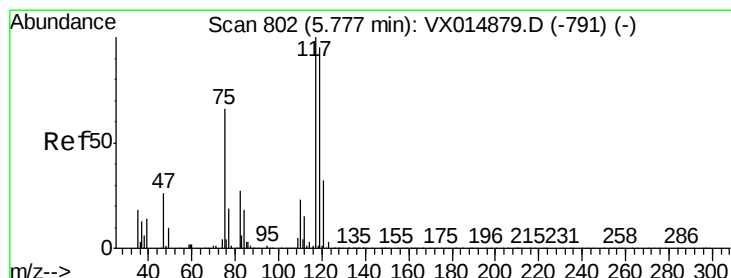
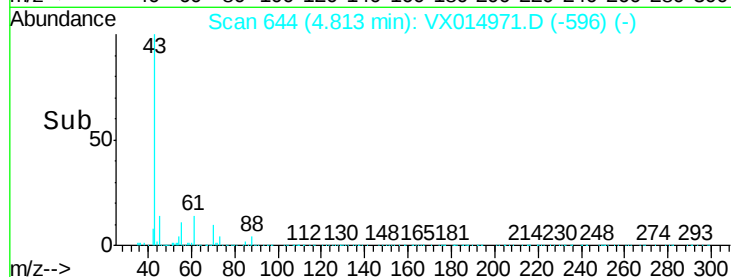
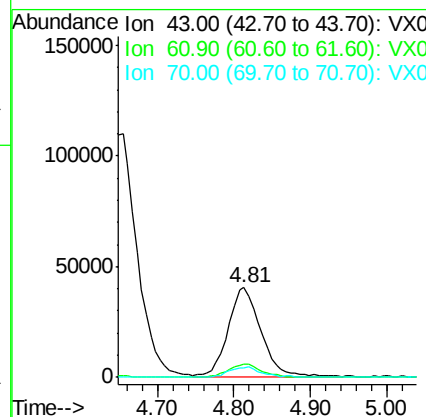
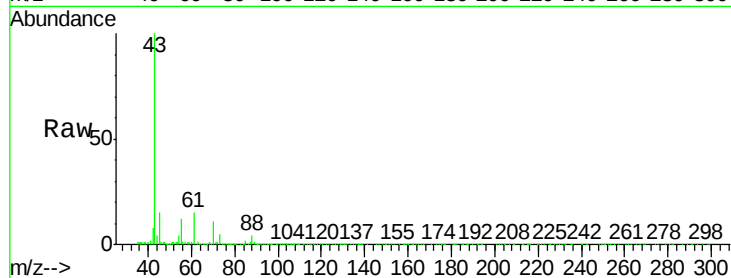
#37
Ethyl Acetate
Concen: 20.311 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion:	43	Resp:	118373
Ion Ratio		Lower	Upper
43	100		
61	14.4	10.9	16.3
70	10.6	8.7	13.1

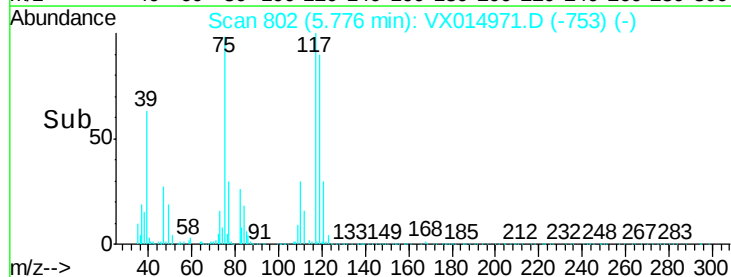
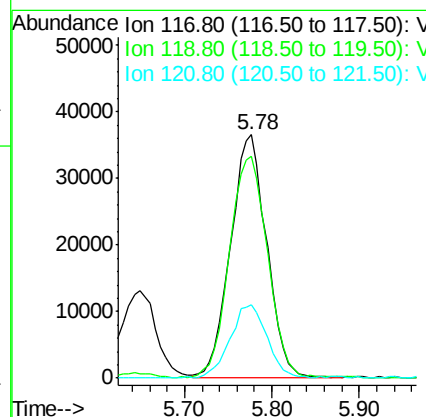
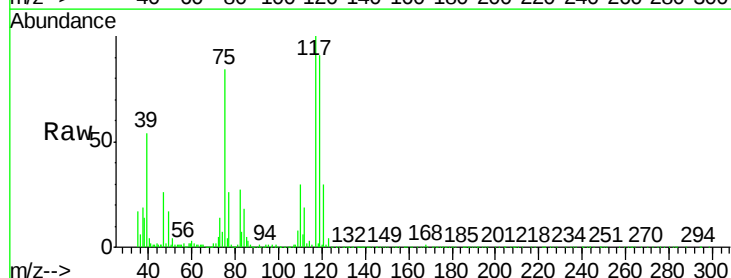
Manual Integrations
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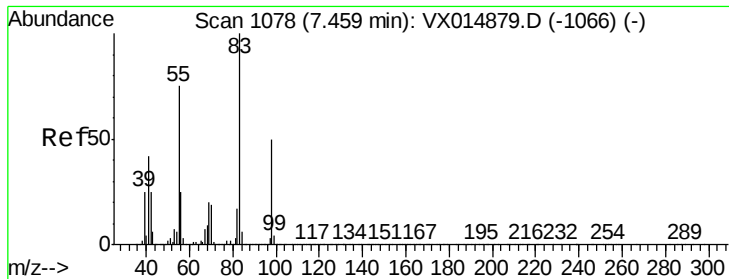
MMDadoda
2/21/2020 9:15:28 AM



#38
Carbon Tetrachloride
Concen: 19.328 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion:	117	Resp:	105251
Ion Ratio		Lower	Upper
117	100		
119	90.8	76.0	114.0
121	30.2	25.4	38.2





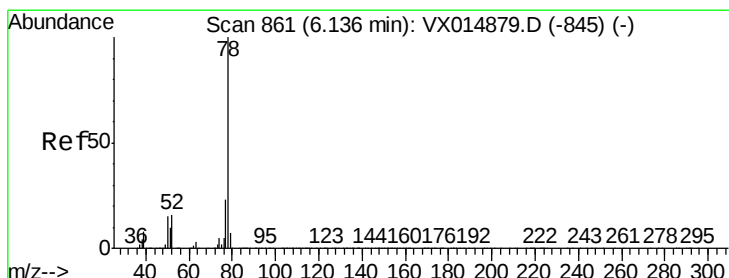
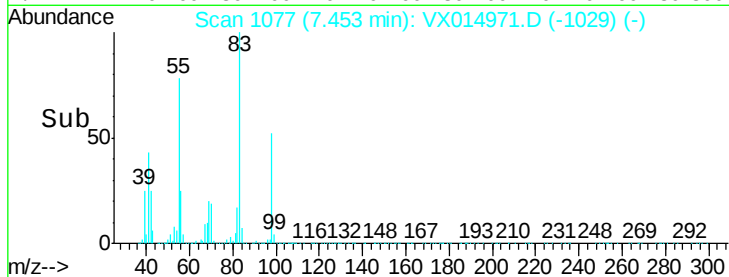
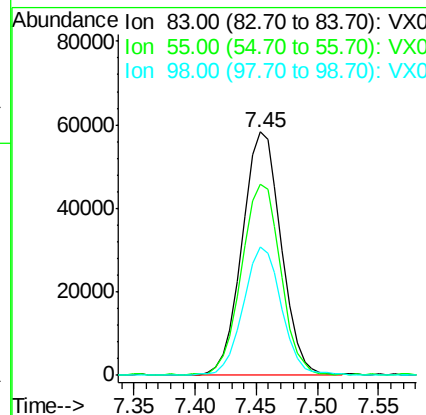
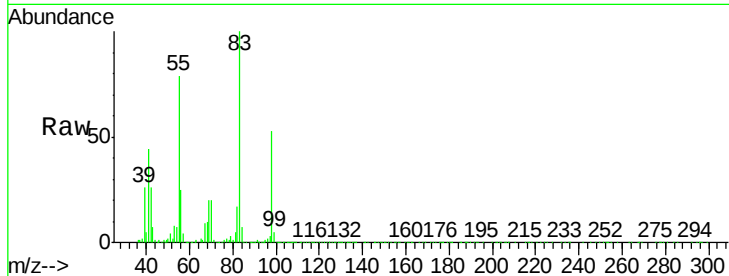
#39
Methvlcvclohexane
Concen: 18.448 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	128921		
55	78.2	60.0	90.0	
98	52.4	39.6	59.4	

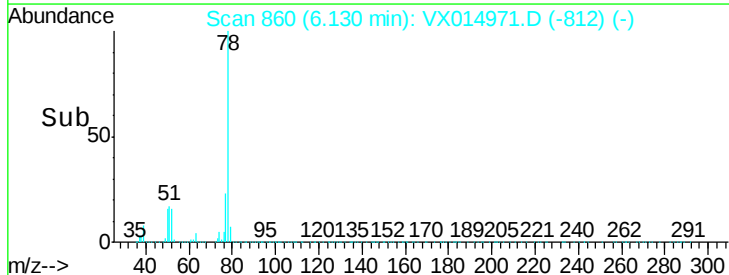
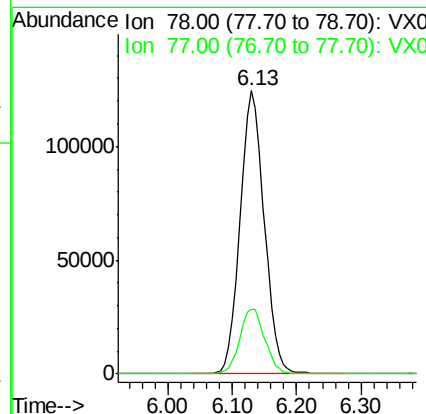
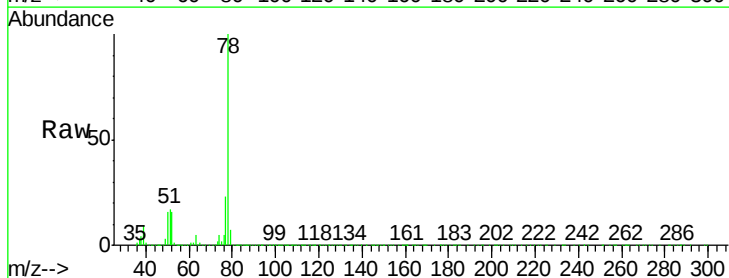
Manual Integrations
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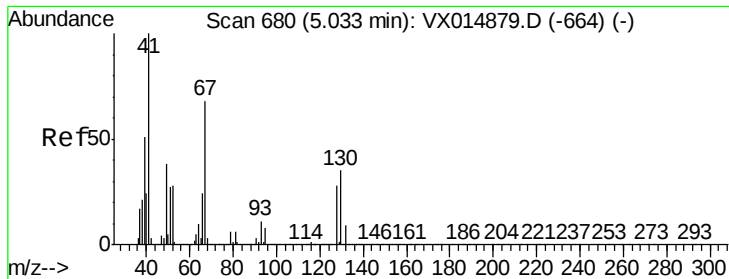
MMDadoda
2/21/2020 9:15:28 AM



#40
Benzene
Concen: 19.446 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	324648		
77	22.9	18.8	28.2	





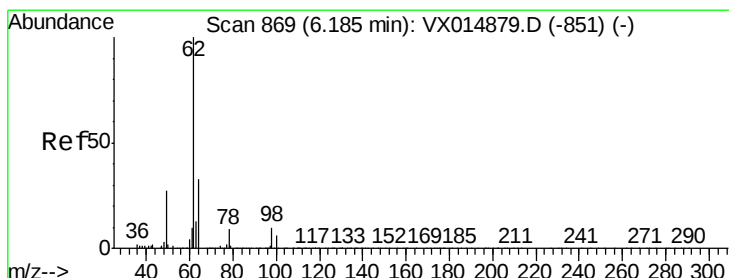
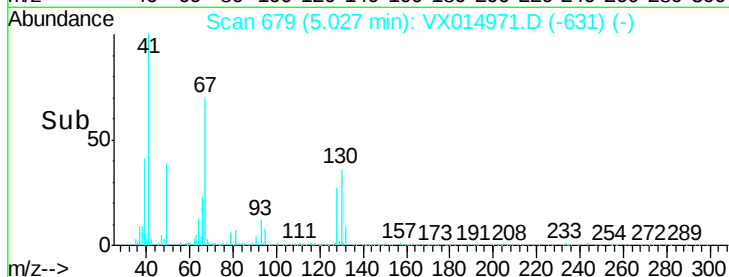
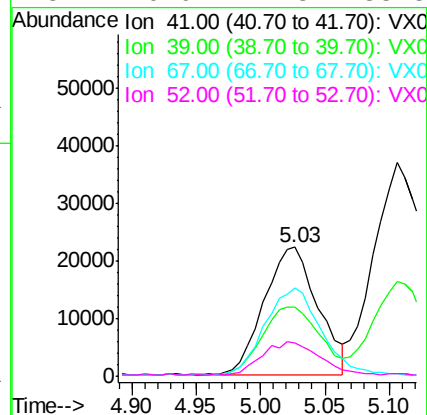
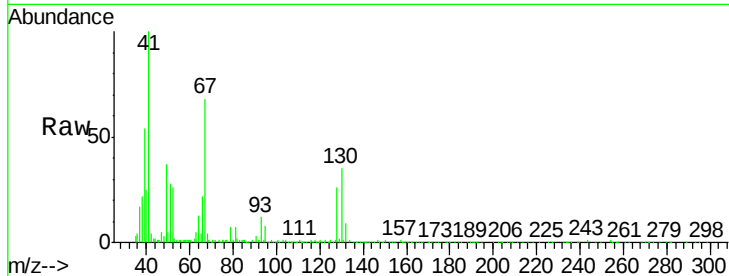
#41
Methacrylonitrile
Concen: 20.617 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
64729	41	100		
	39	56.3	44.7	67.1
	67	71.1	56.6	84.8
	52	26.9	22.3	33.5

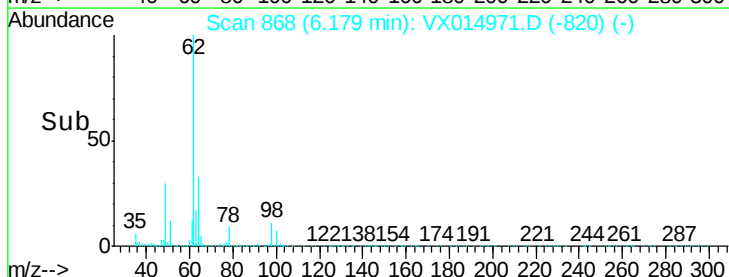
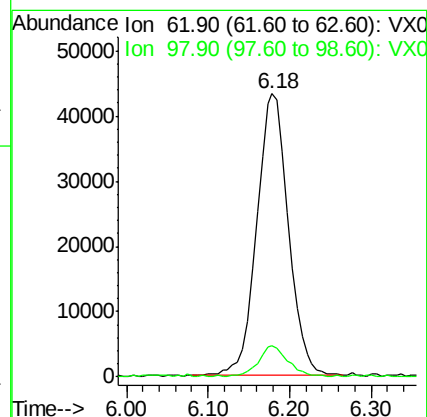
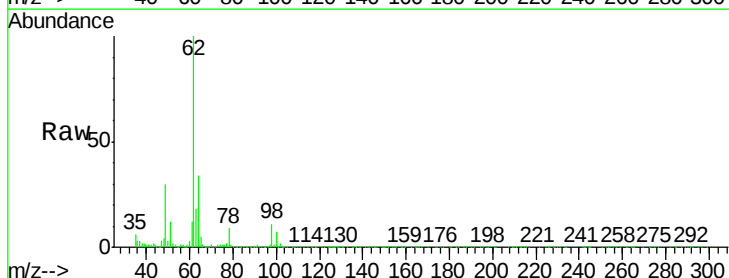
Manual Integrations
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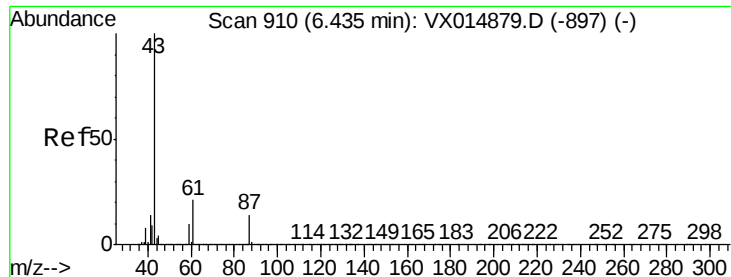
MMDadoda
2/21/2020 9:15:28 AM



#42
1,2-Dichloroethane
Concen: 19.495 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
117635	62	100		
	98	9.8	0.0	19.2





#43

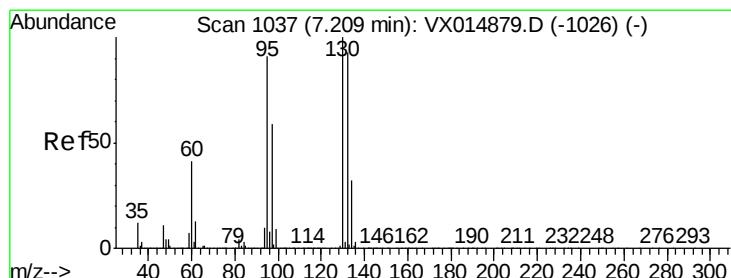
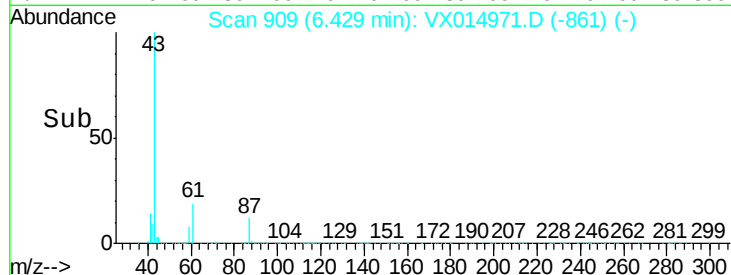
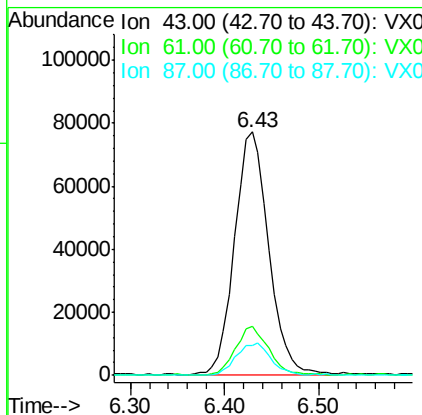
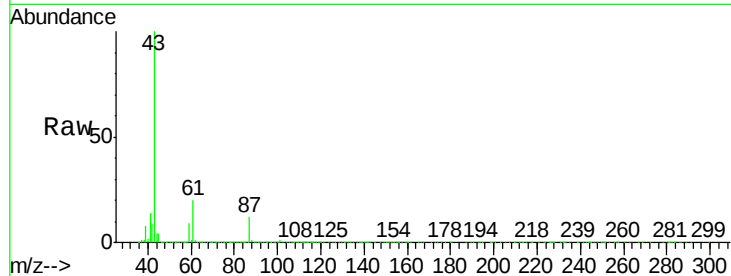
Isopropyl Acetate
 Concen: 20.238 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.2	24.4
87	13.4	11.0	16.6

Manual Integrations
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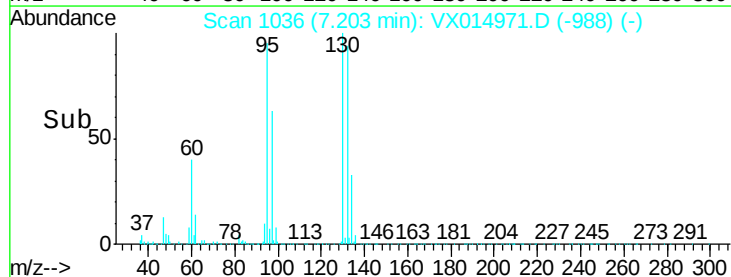
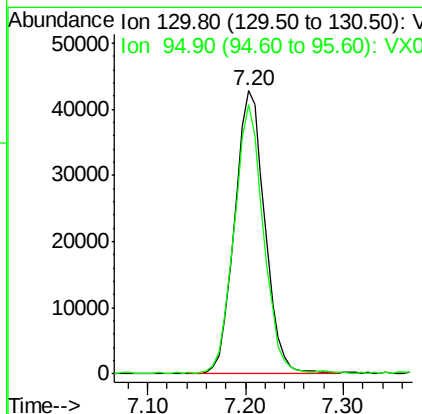
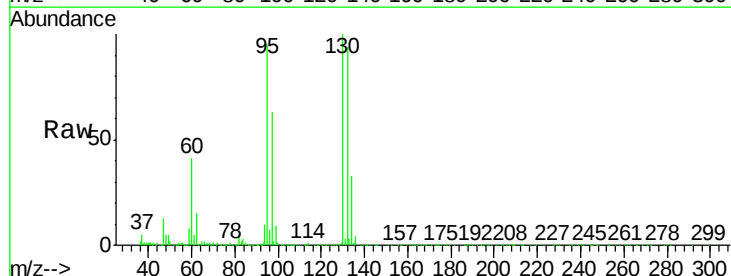
MMDadoda
 2/21/2020 9:15:28 AM

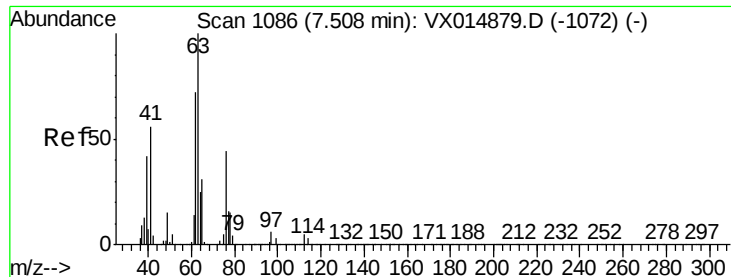


#44

Trichloroethene
 Concen: 18.837 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	182.6





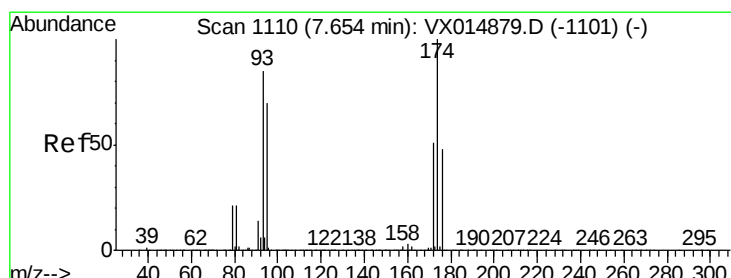
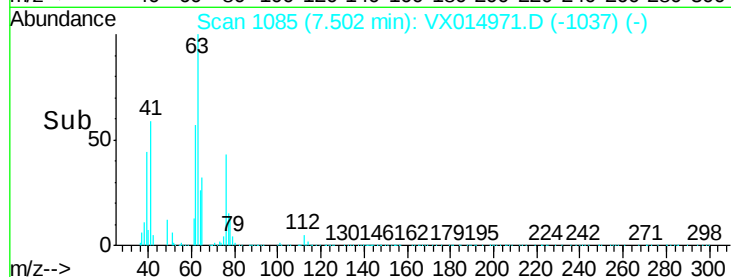
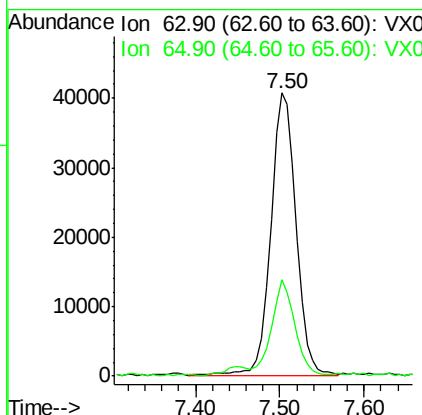
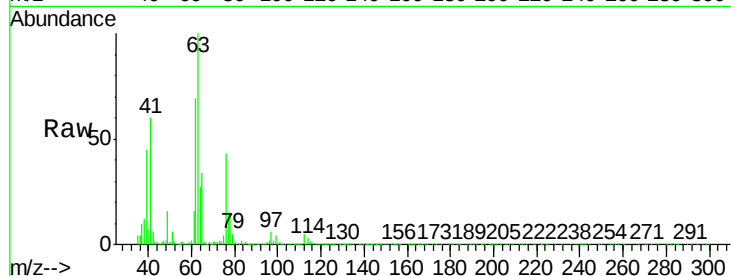
#45
 1,2-Dichloropropane
 Concen: 19.830 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.9	37.3

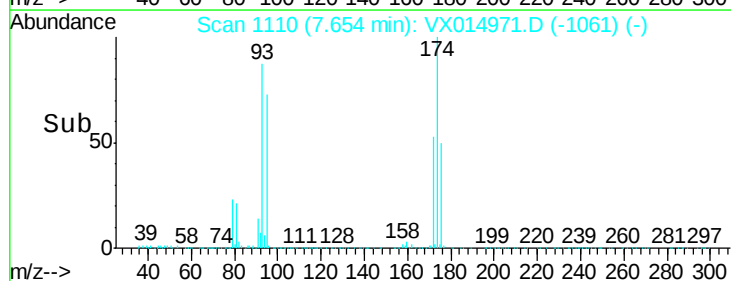
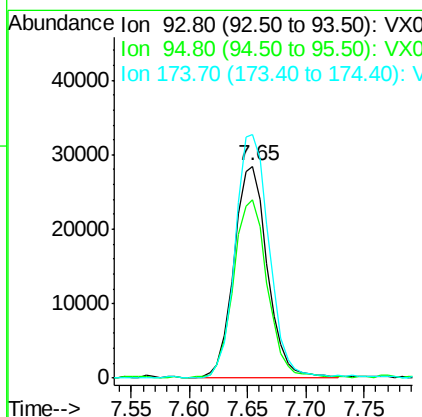
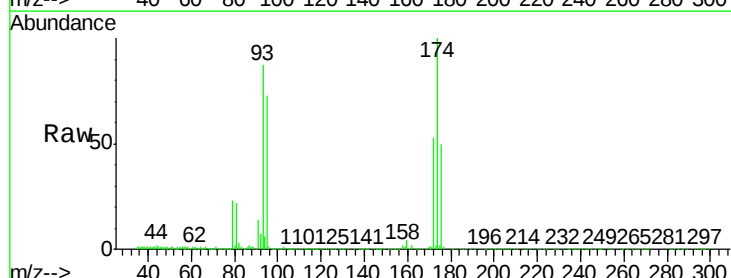
Manual Integrations
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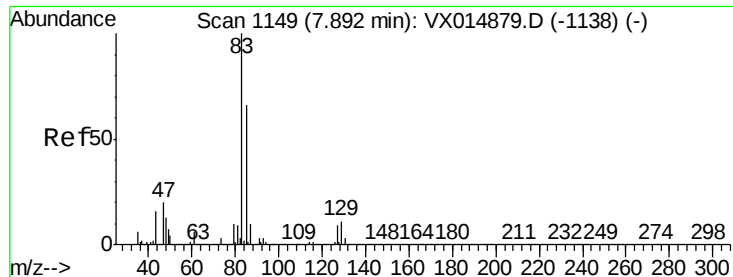
MMDadoda
 2/21/2020 9:15:28 AM



#46
 Dibromomethane
 Concen: 19.628 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	65.8	98.8
174	115.7	95.4	143.2





#47

Bromodichloromethane

Concen: 19.565 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

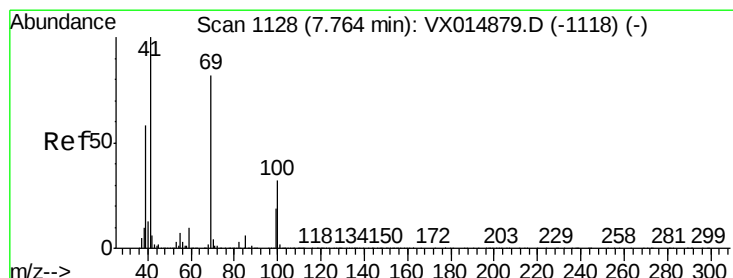
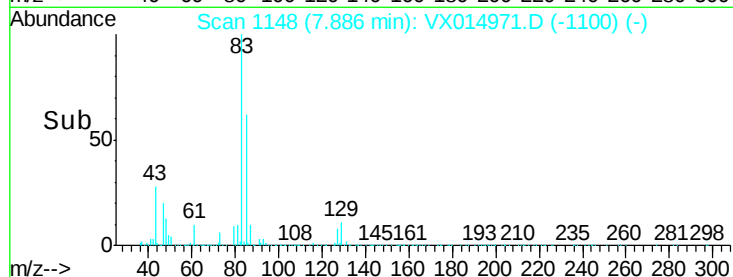
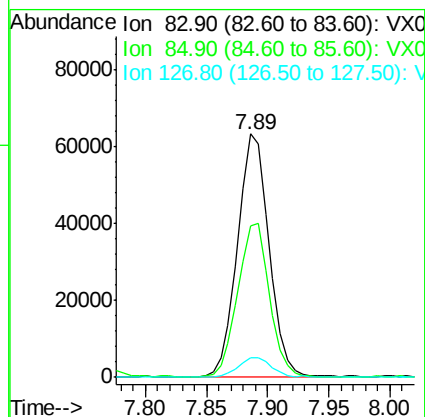
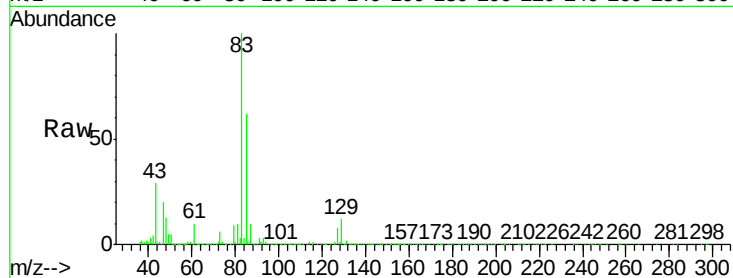
ClientSampleId :

VX0220WBSD01

Tot Ion:	83	Resp:	112903
Ion Ratio	Lower	Upper	
83	100		
85	62.3	52.5	78.7
127	8.1	7.4	11.0

Manual Integrations
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MMDadoda
2/21/2020 9:15:28 AM



#48

Methyl methacrylate

Concen: 19.629 ug/l

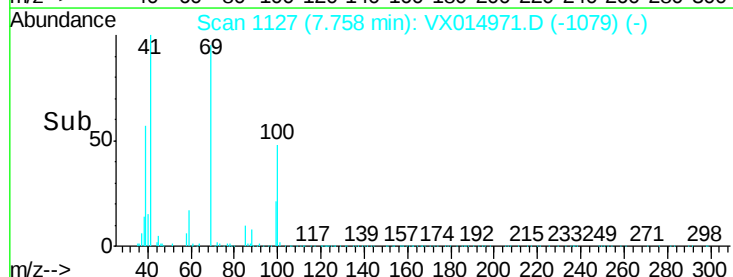
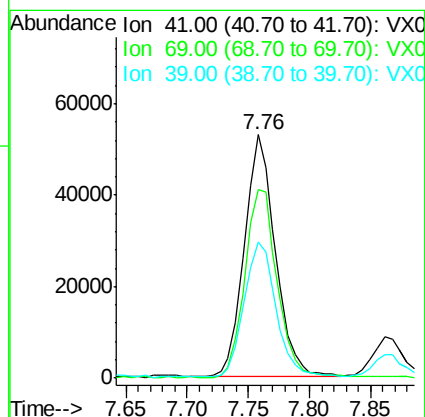
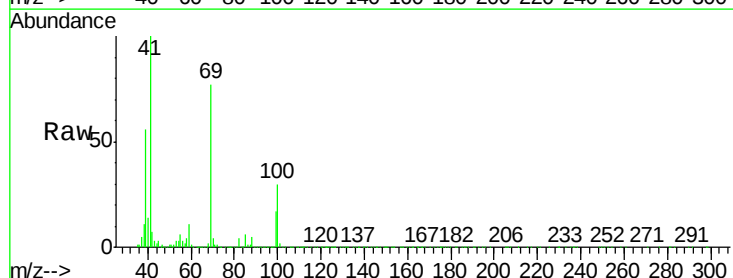
RT: 7.76 min Scan# 1127

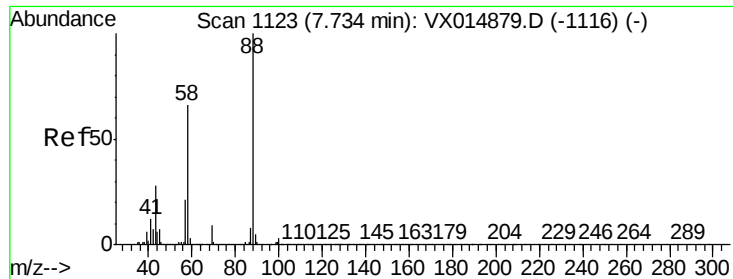
Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	41	Resp:	92870
Ion Ratio	Lower	Upper	
41	100		
69	81.6	65.7	98.5
39	57.1	45.8	68.8





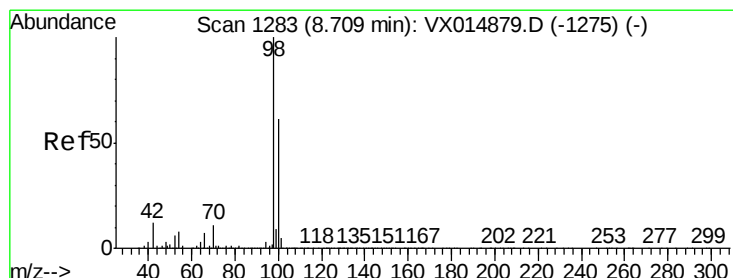
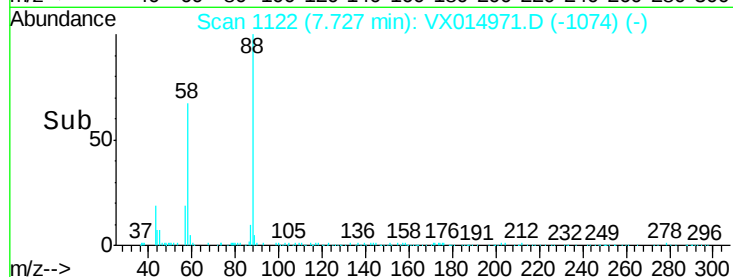
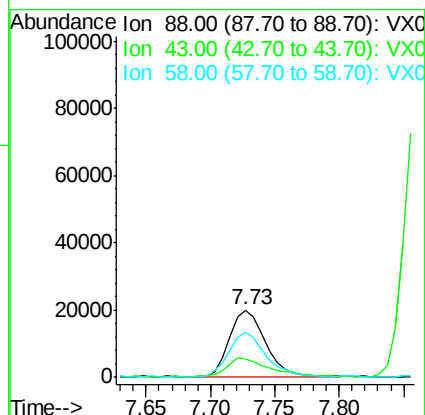
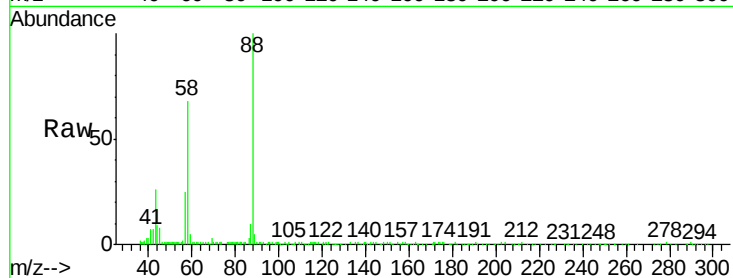
#49
1,4-Dioxane
Concen: 437.944 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	27.0	40.4
58	68.3	53.2	79.8

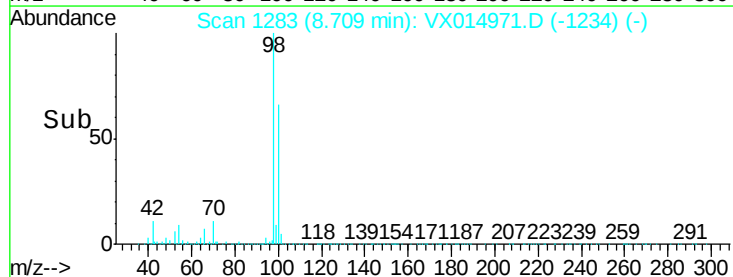
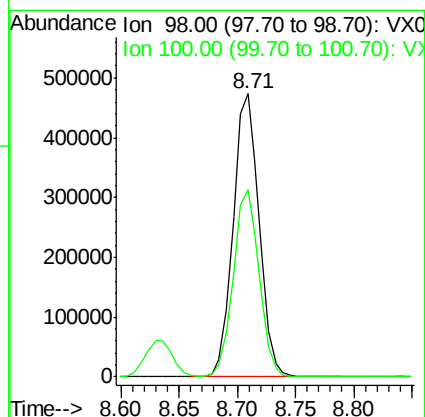
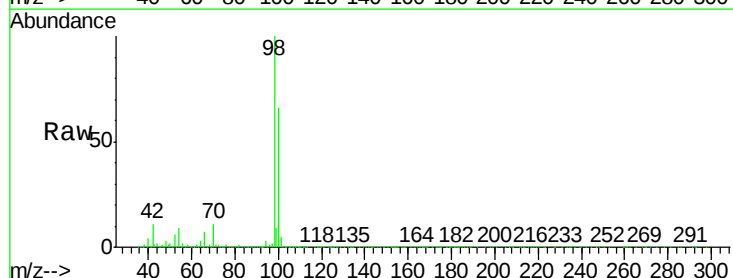
Manual Integrations
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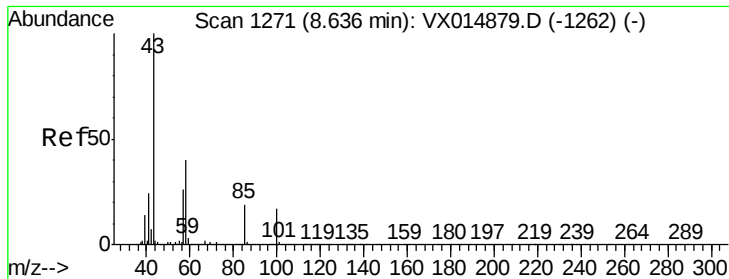
MMDadoda
2/21/2020 9:15:28 AM



#50
Toluene-d8
Concen: 49.949 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





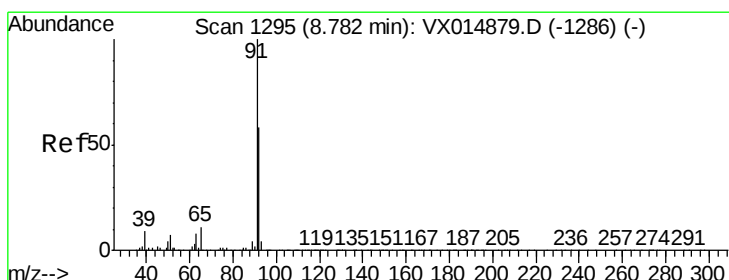
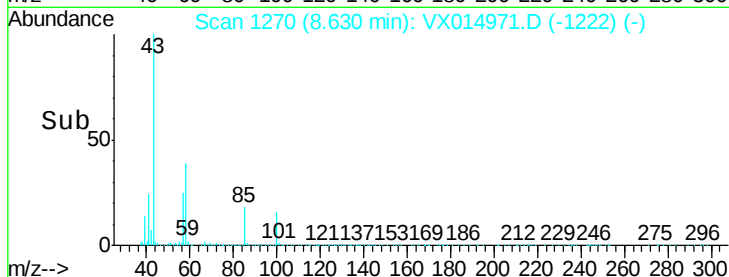
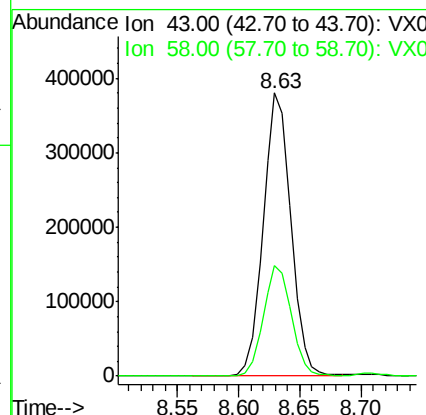
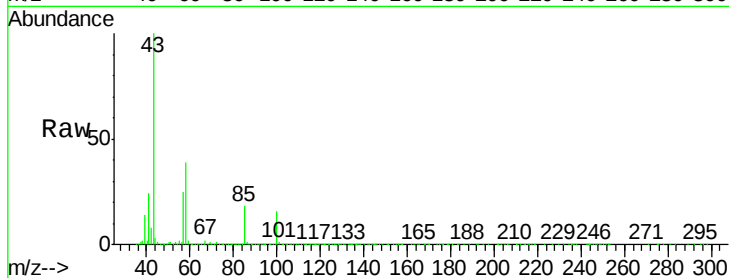
#51
4-Methyl-2-Pentanone
Concen: 103.094 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9

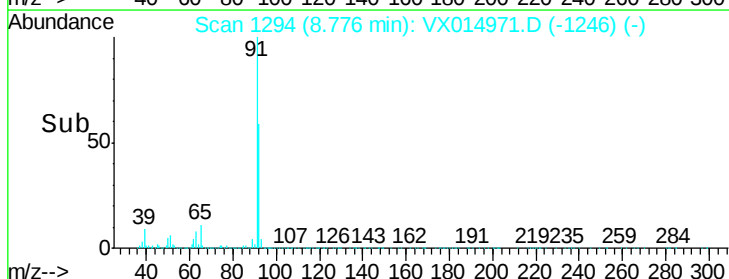
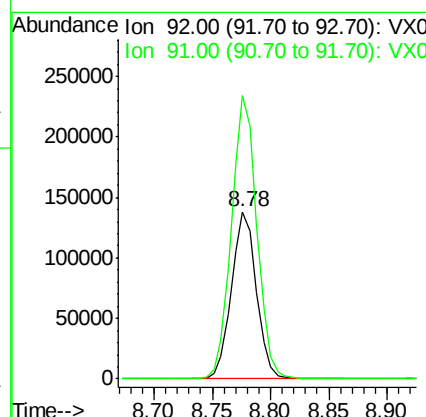
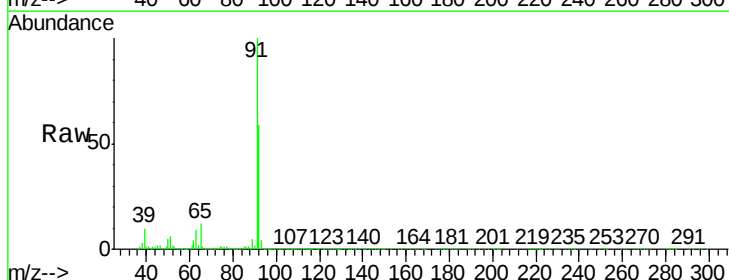
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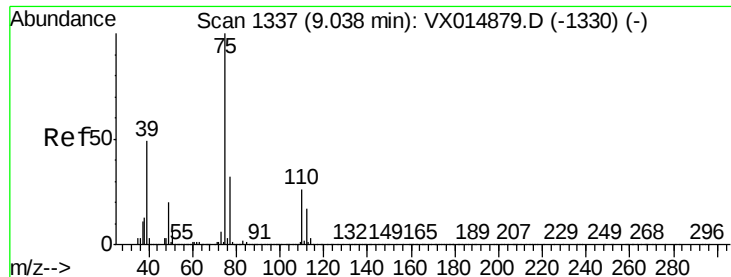
MMDadoda
2/21/2020 9:15:28 AM



#52
Toluene
Concen: 19.378 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.0	205.4





#53

t-1,3-Dichloropropene

Concen: 19.181 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 75 Resp: 121310

Ion Ratio Lower Upper

75 100

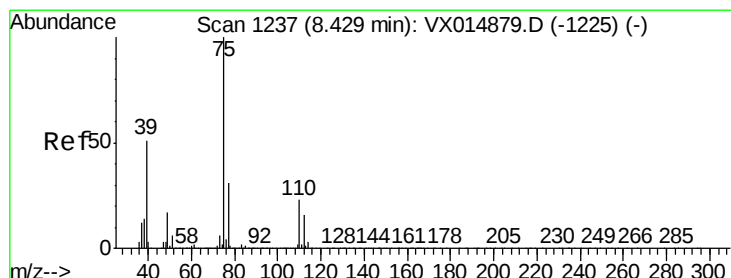
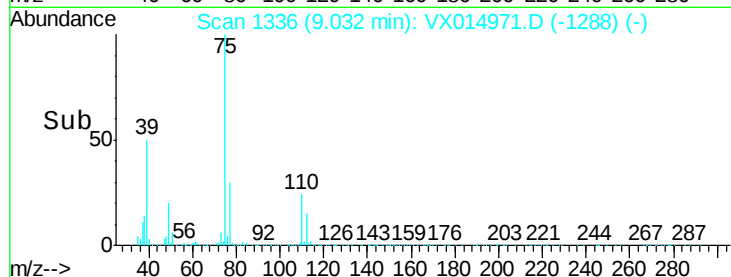
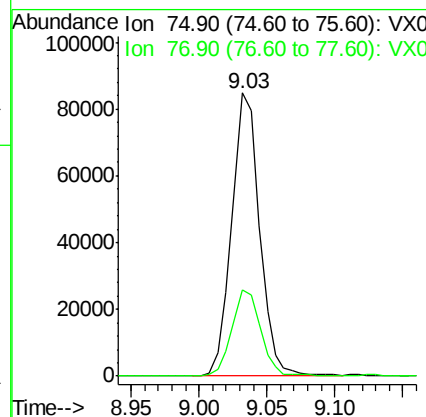
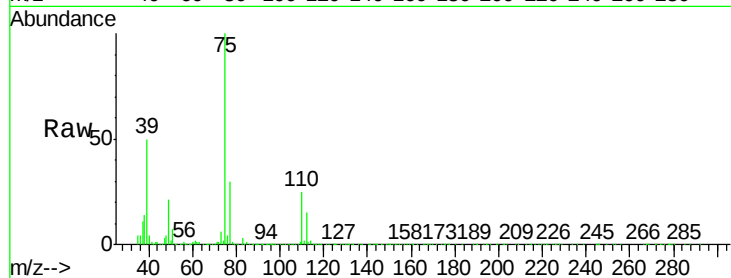
77 30.2 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.377 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

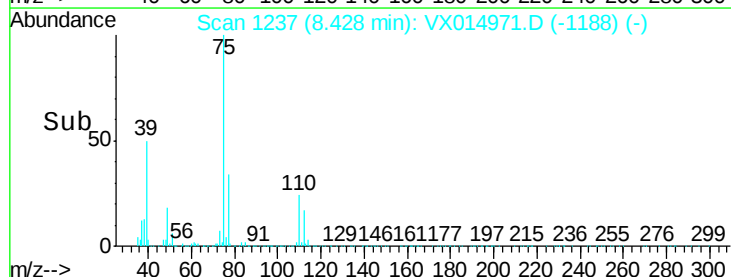
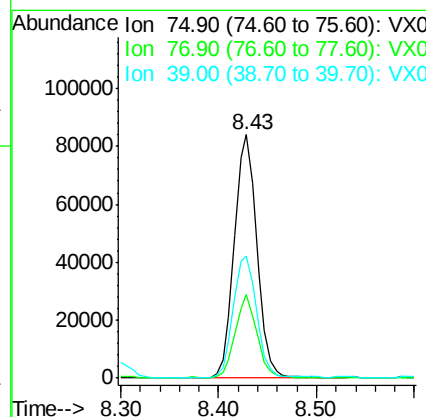
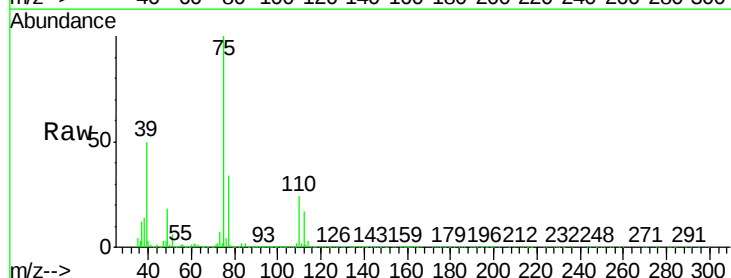
Tgt Ion: 75 Resp: 135380

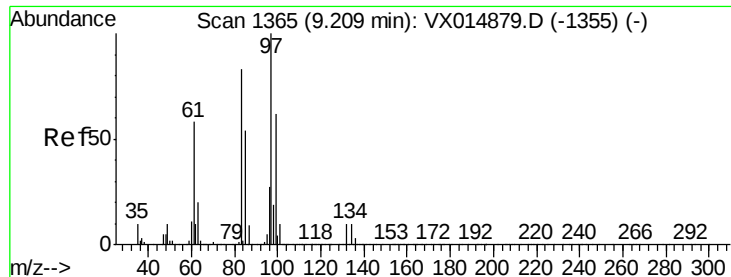
Ion Ratio Lower Upper

75 100

77 33.9 24.6 37.0

39 49.6 40.9 61.3





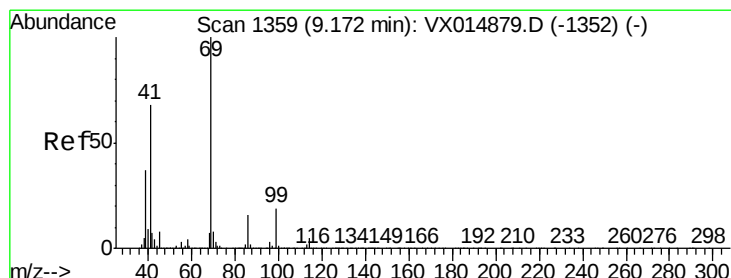
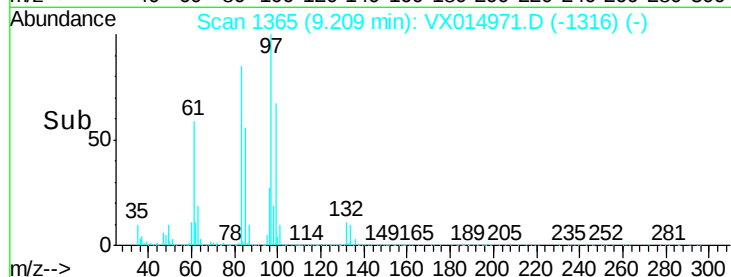
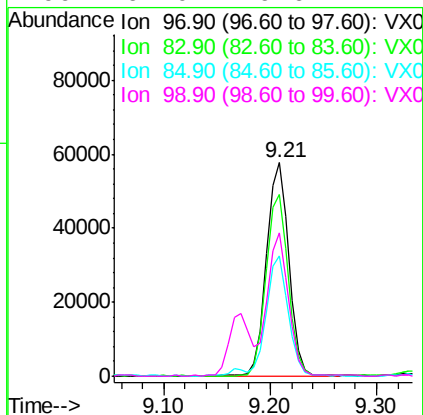
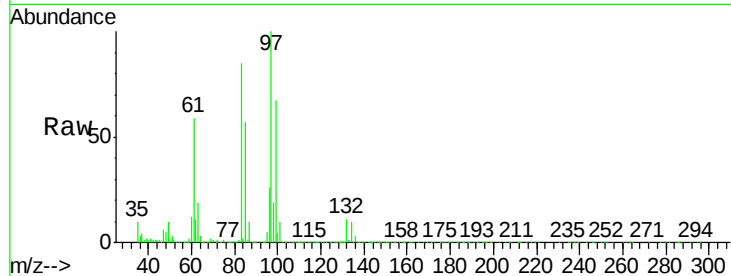
#55
 1,1,2-Trichloroethane
 Concen: 19.885 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		85308		
83	85.0	66.6	99.8		
85	56.4	43.5	65.3		
99	67.0	49.6	74.4		

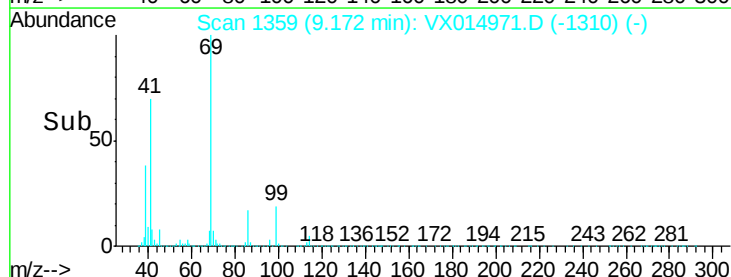
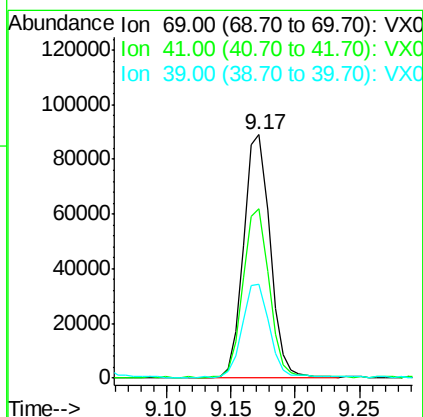
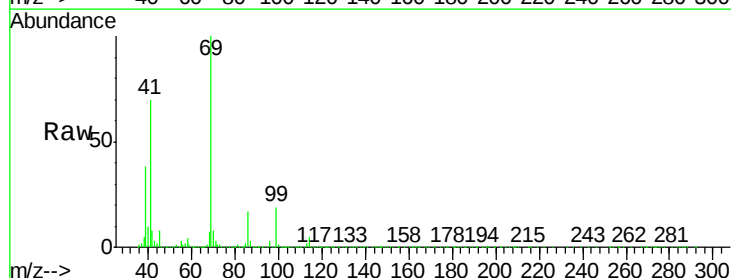
Manual Integrations
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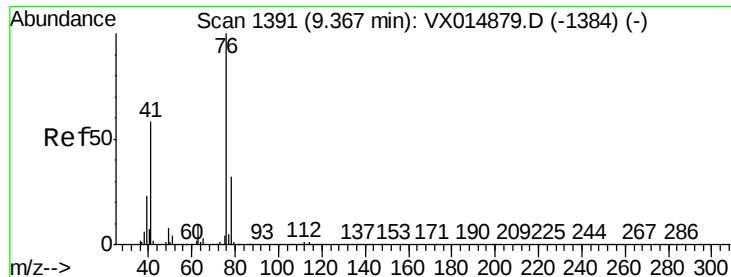
MMDadoda
 2/21/2020 9:15:28 AM



#56
 Ethyl methacrylate
 Concen: 19.710 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		127099		
41	68.0	54.8	82.2		
39	39.4	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 19.942 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 76 Resp: 144011

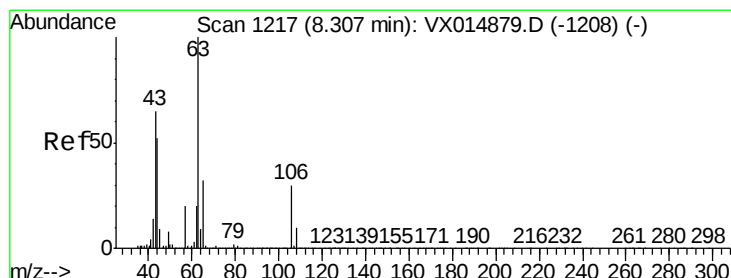
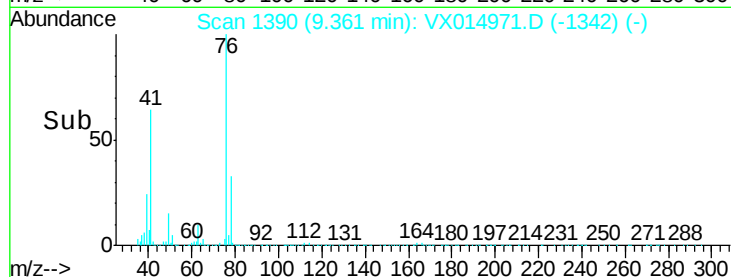
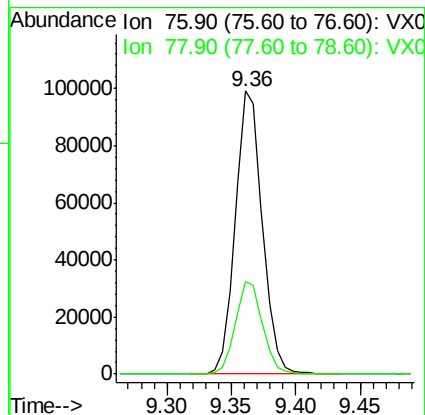
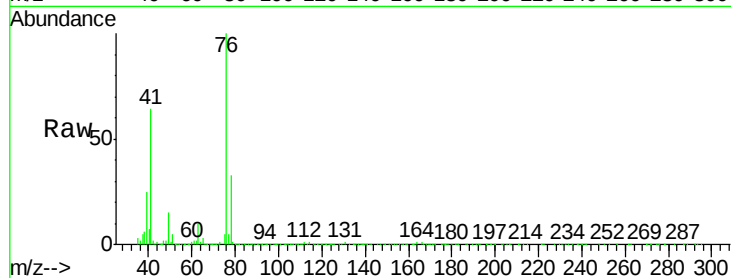
Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8

Manual Integrations
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MMDadoda
2/21/2020 9:15:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.643 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014971.D

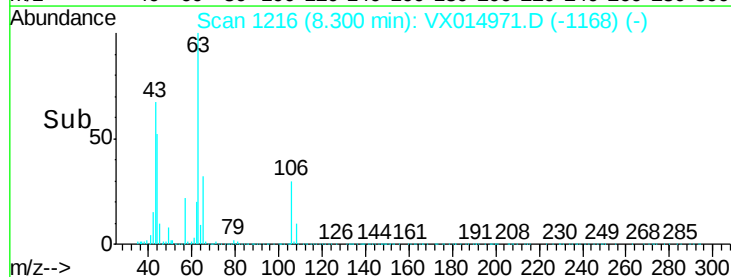
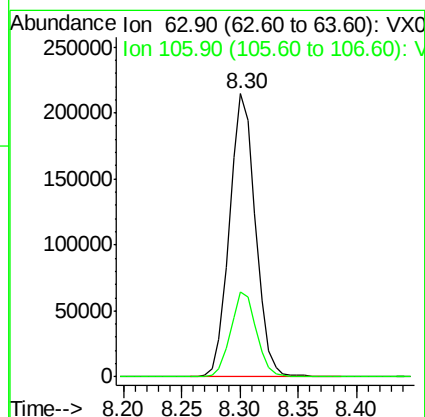
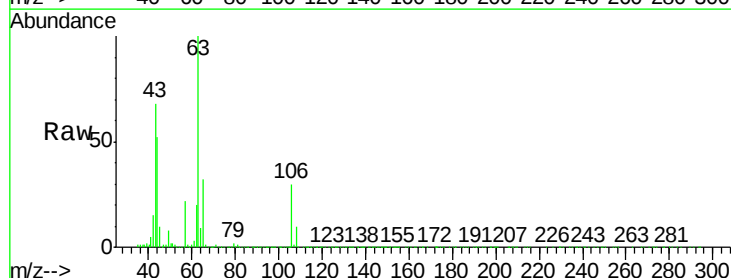
Acq: 20 Feb 2020 11:44

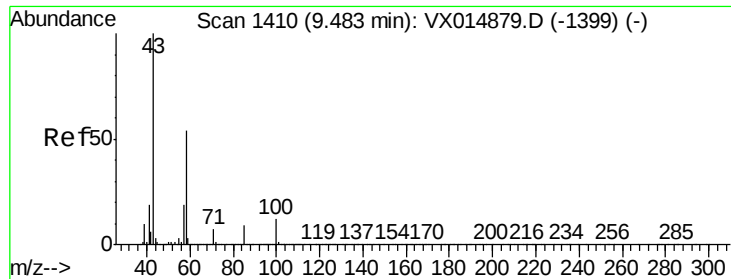
Tgt Ion: 63 Resp: 332663

Ion Ratio Lower Upper

63 100

106 29.9 23.8 35.8





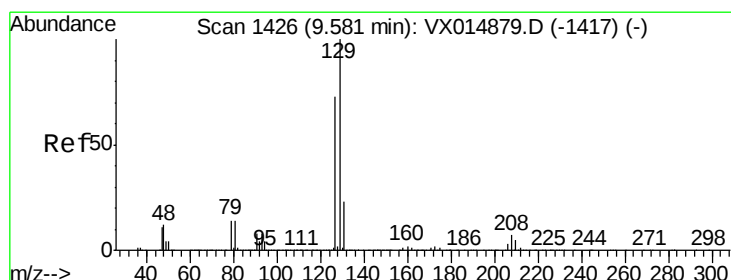
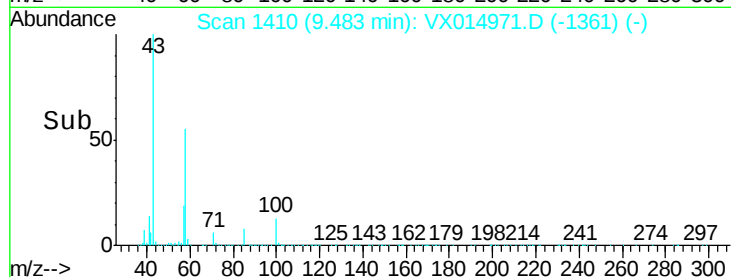
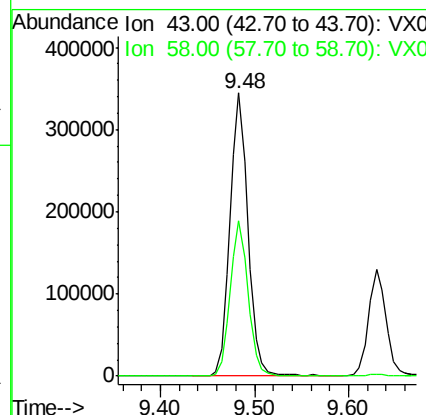
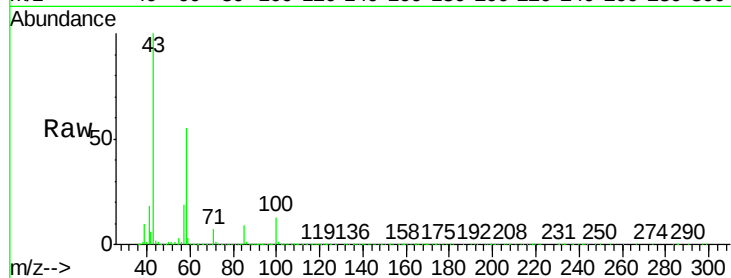
#59
2-Hexanone
Concen: 99.785 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.5	82.5

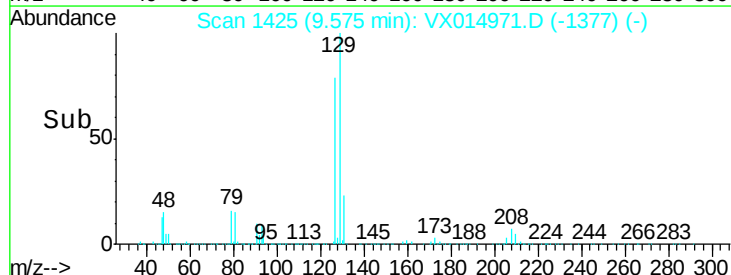
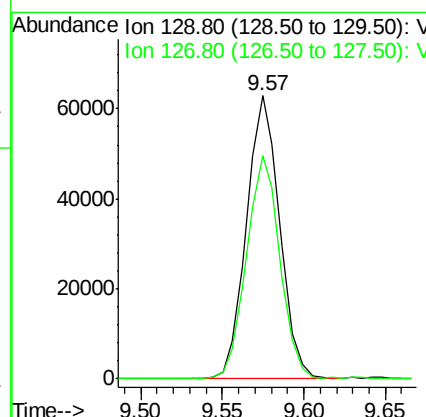
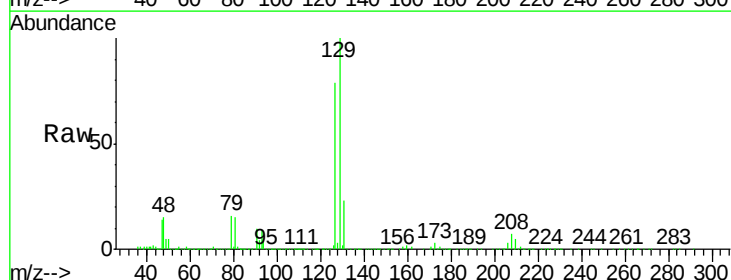
Manual Integrations
APPROVED

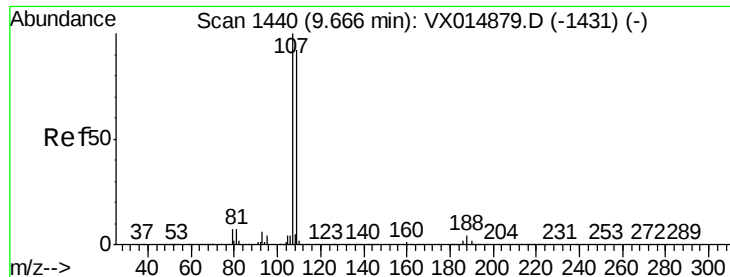
MMDadoda
2/21/2020 9:15:28 AM



#60
Dibromochloromethane
Concen: 19.257 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.7	37.8	113.3





#61

1,2-Dibromoethane

Concen: 19.570 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion:107 Resp: 90587

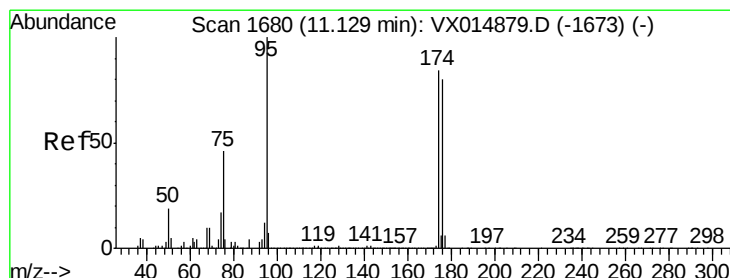
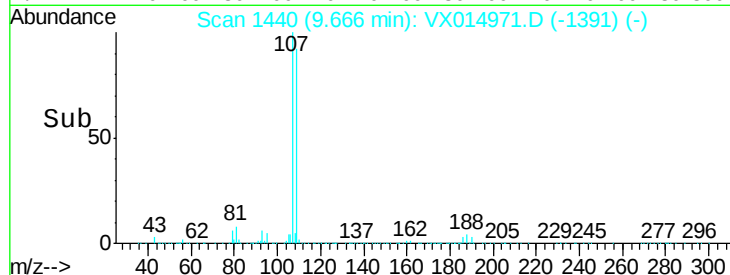
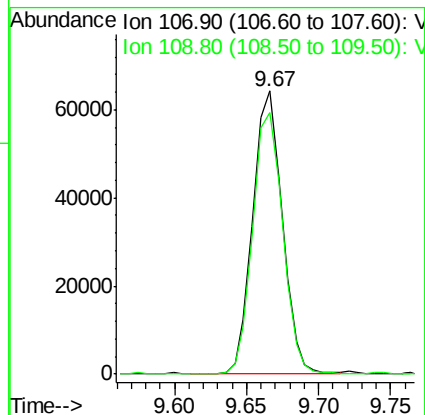
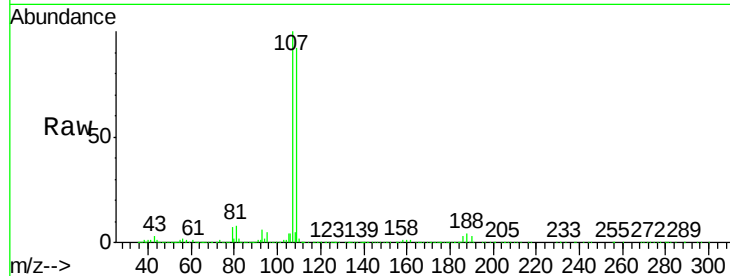
Ion Ratio Lower Upper

107 100

109 94.7 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
2/21/2020 9:15:28 AM



#62

4-Bromofluorobenzene

Concen: 50.985 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

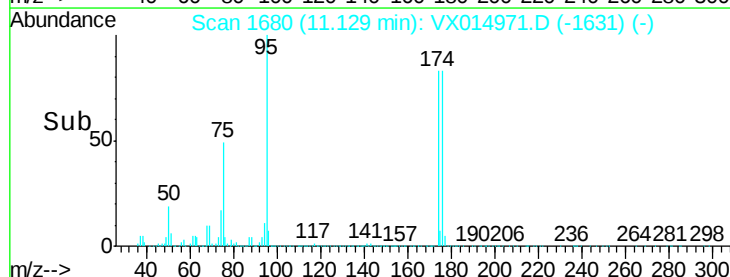
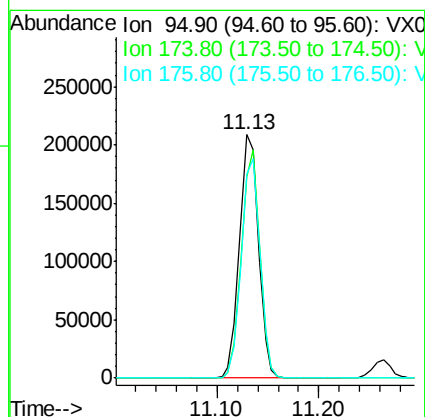
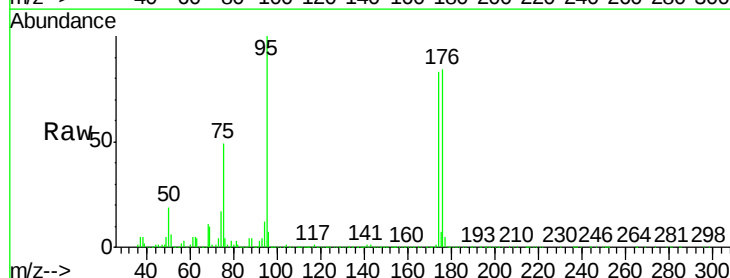
Tgt Ion: 95 Resp: 269224

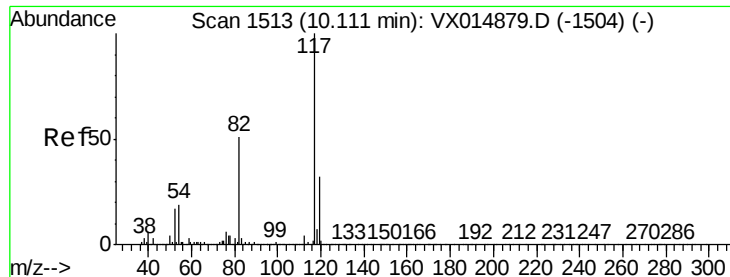
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.0

176 88.3 0.0 178.0





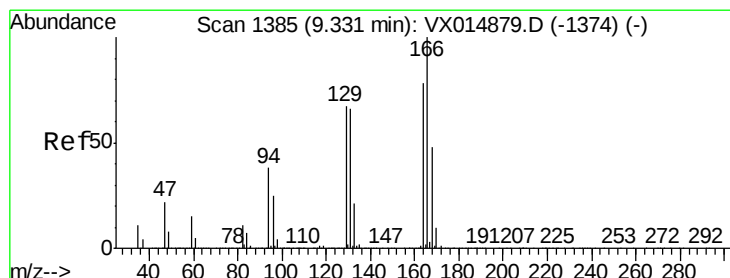
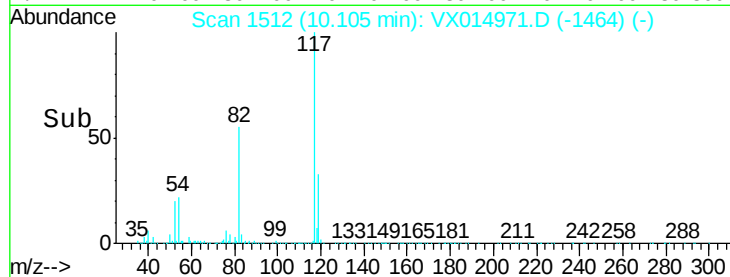
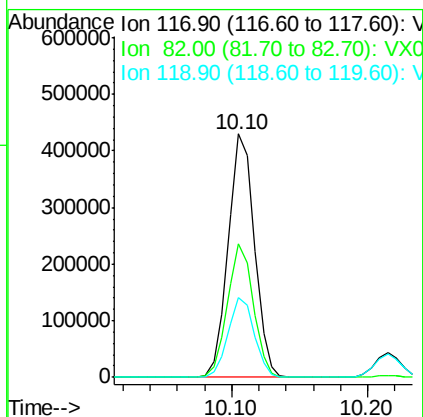
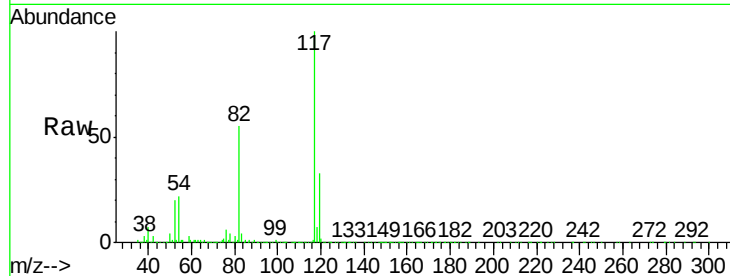
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	40.5	60.7
119	32.7	25.8	38.6

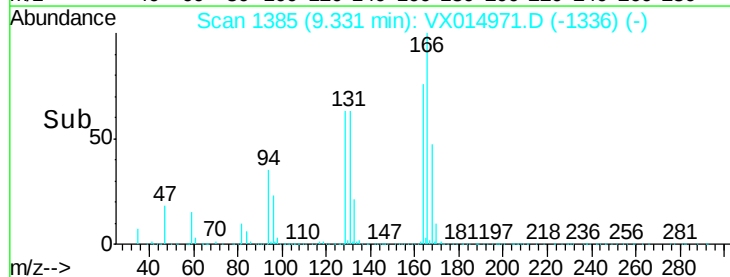
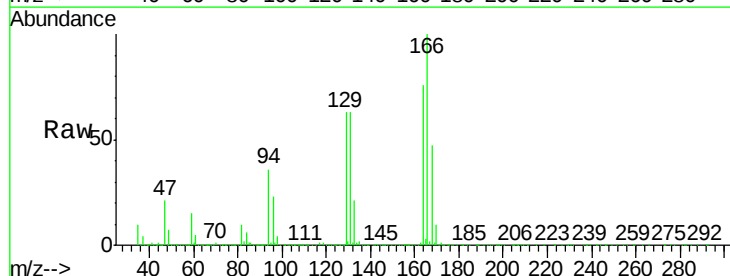
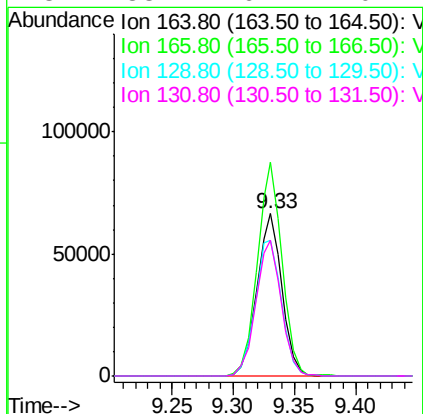
Manual Integrations
APPROVED

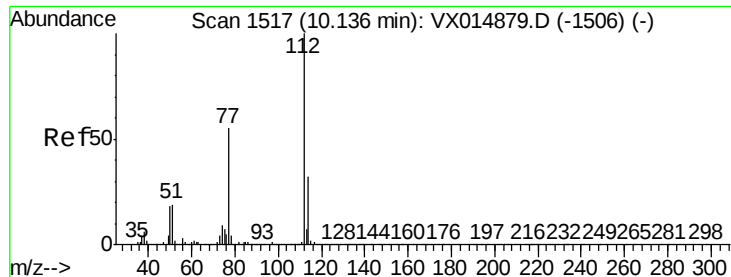
MMDadoda
2/21/2020 9:15:28 AM



#64
Tetrachloroethene
Concen: 17.589 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.6	153.8
129	83.2	68.3	102.5
131	83.2	67.4	101.2





#65

Chlorobenzene

Concen: 19.210 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion:112 Resp: 225506

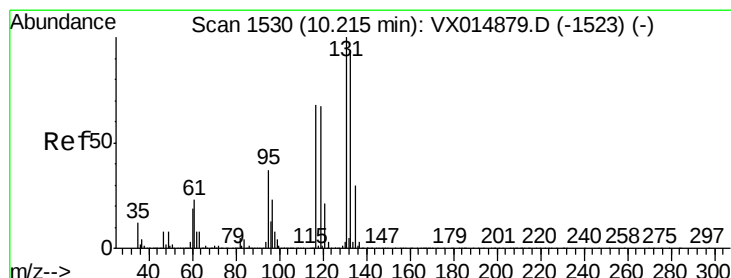
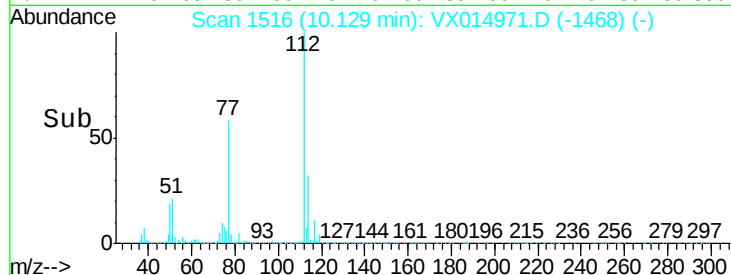
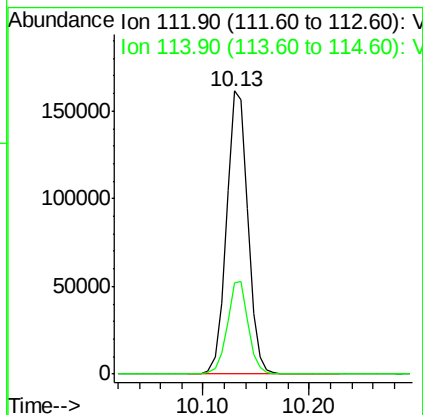
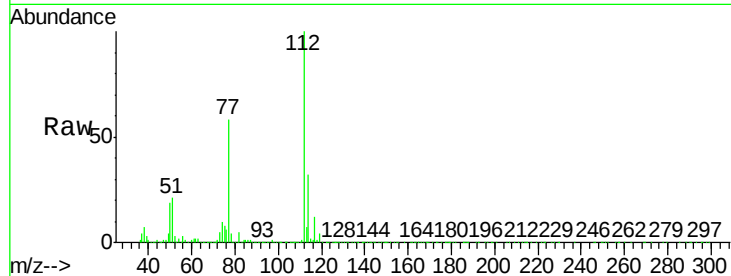
Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4

Manual Integrations
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2/21/2020 9:15:28 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.294 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

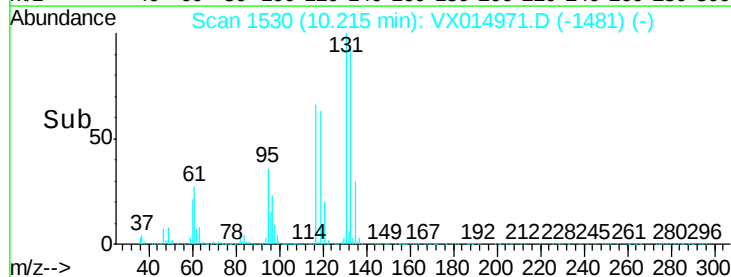
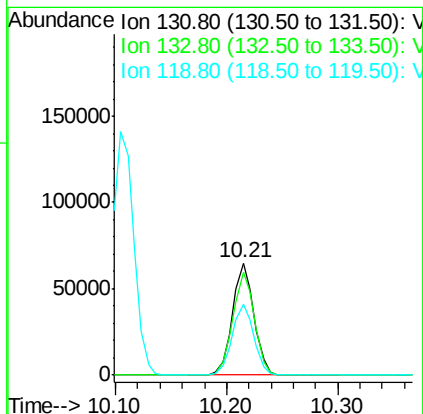
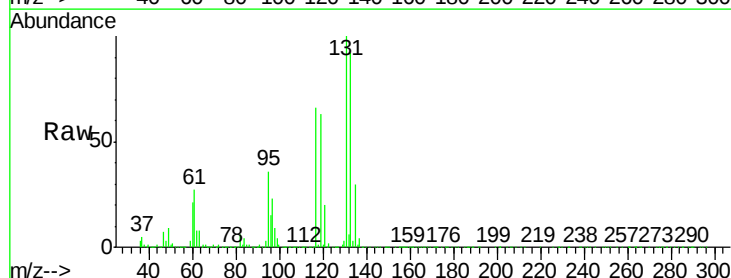
Tgt Ion:131 Resp: 86489

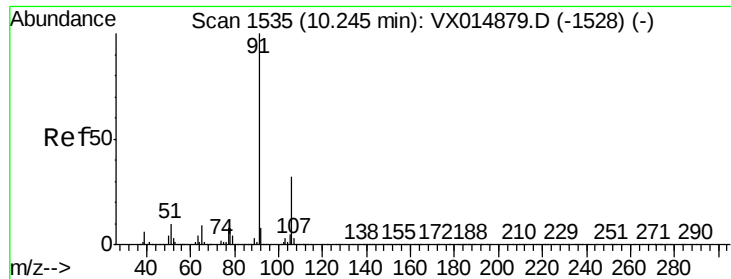
Ion Ratio Lower Upper

131 100

133 93.0 48.1 144.4

119 63.8 33.0 99.0





#67

Ethyl Benzene

Concen: 19.564 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 91 Resp: 390579

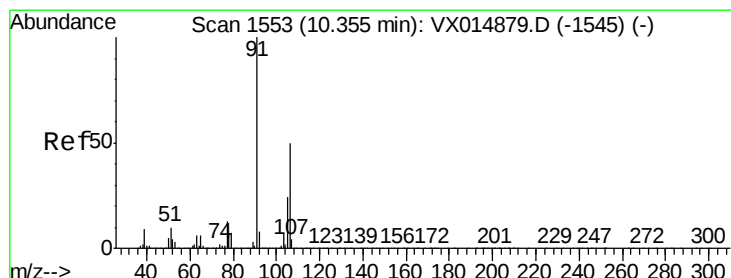
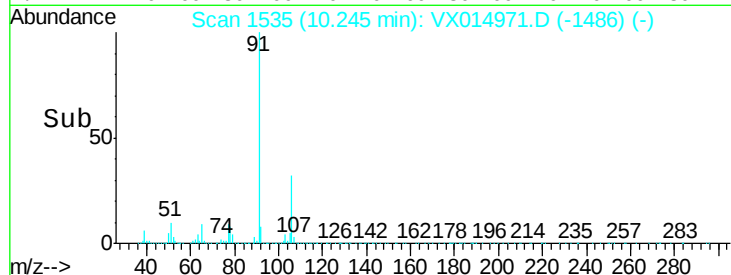
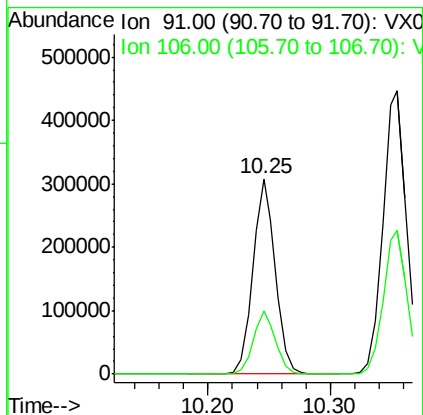
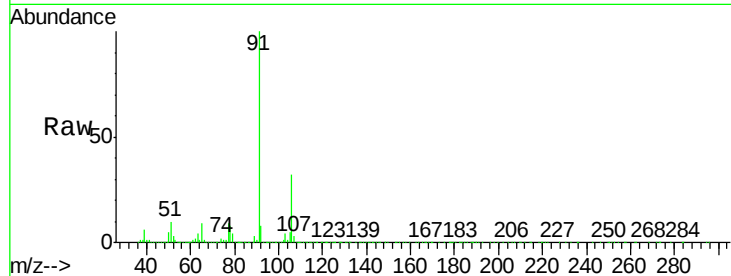
Ion Ratio Lower Upper

91 100

106 32.1 25.3 37.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.482 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014971.D

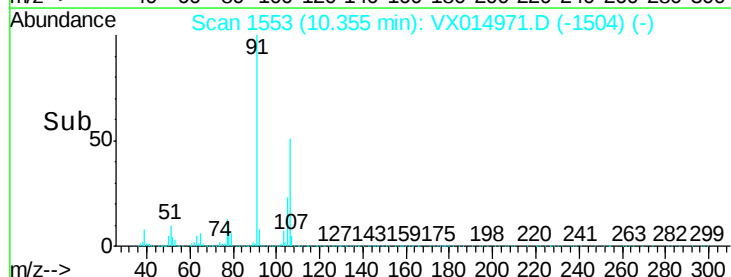
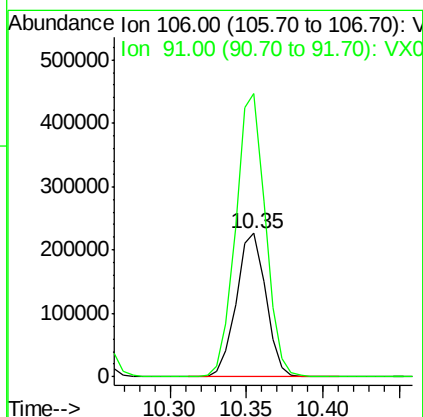
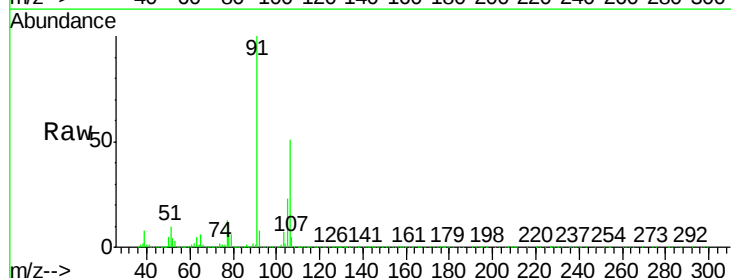
Acq: 20 Feb 2020 11:44

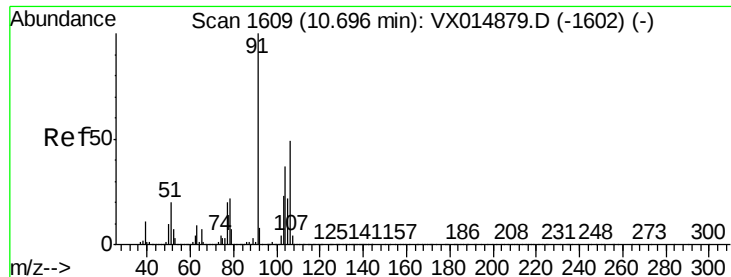
Tgt Ion: 106 Resp: 303656

Ion Ratio Lower Upper

106 100

91 197.5 160.6 240.8





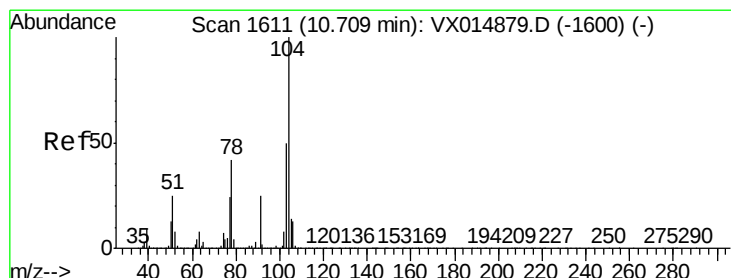
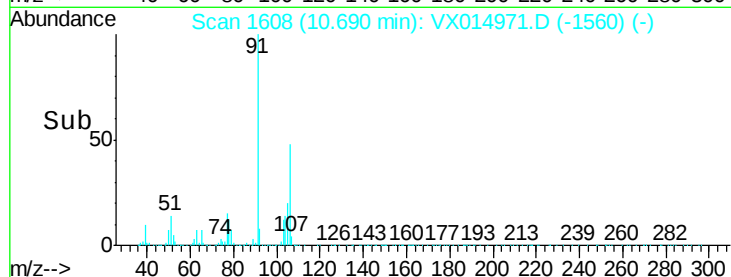
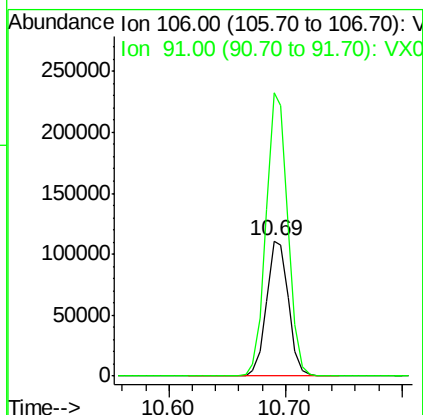
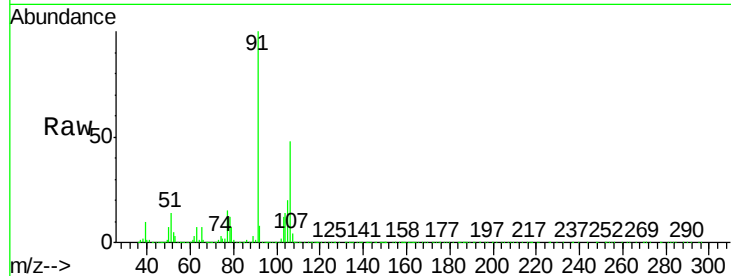
#69
o-Xylene
Concen: 19.750 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100			
91	206.3	146015	105.1	315.3

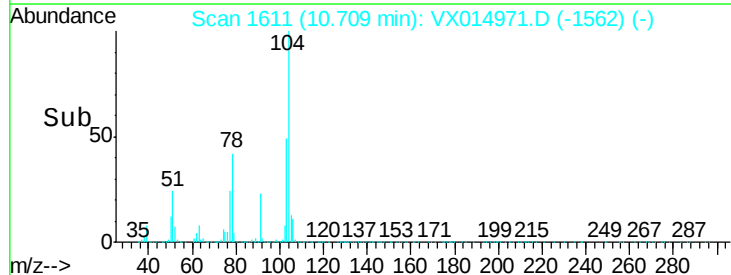
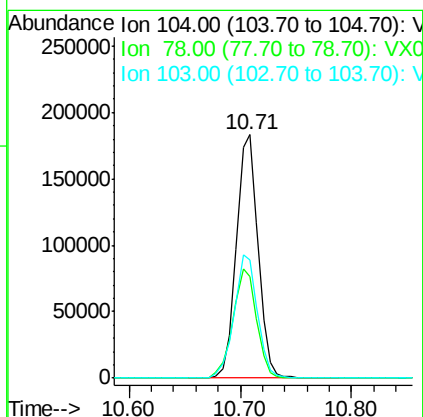
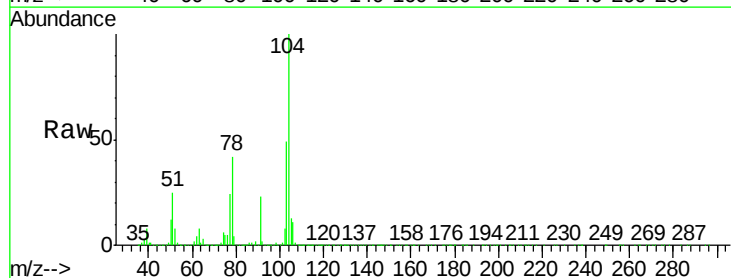
Manual Integrations
APPROVED

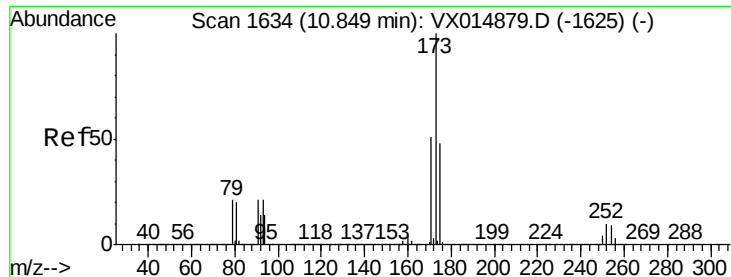
MMDadoda
2/21/2020 9:15:28 AM



#70
Styrene
Concen: 19.718 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	246622		
78	48.5		39.0	58.4
103	54.2		43.4	65.0





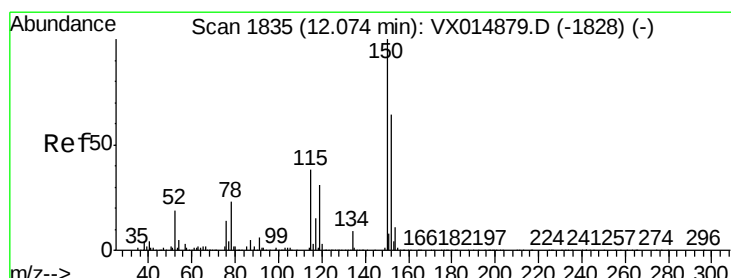
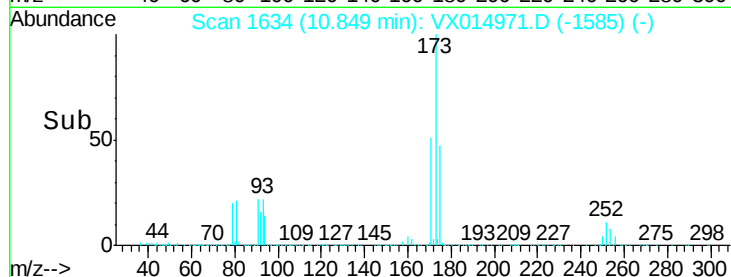
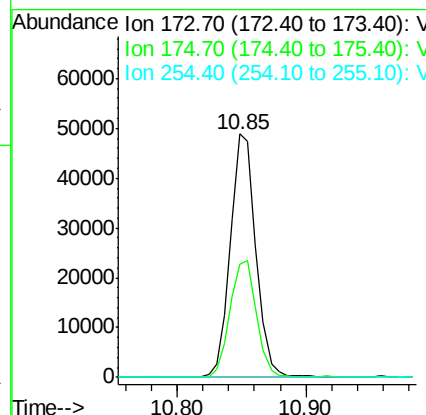
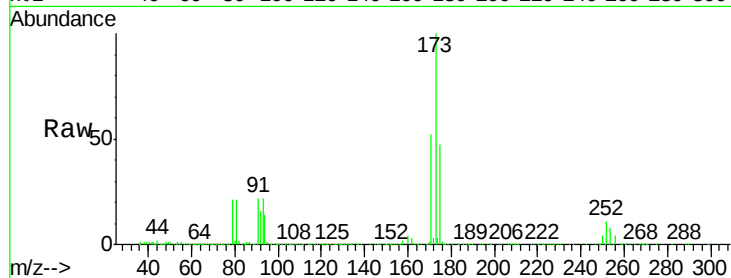
#71
Bromoform
Concen: 19.283 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.2	72.6
254	0.5	0.2	0.2#

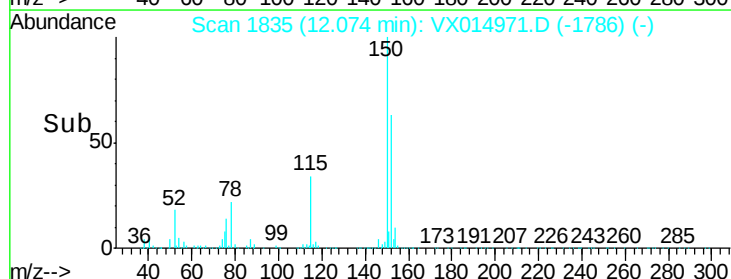
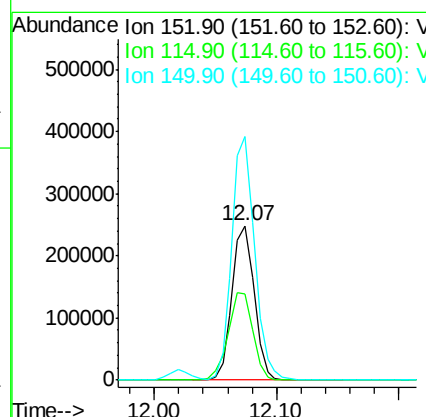
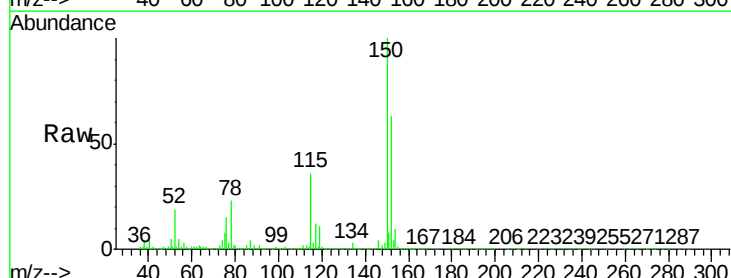
Manual Integrations
APPROVED

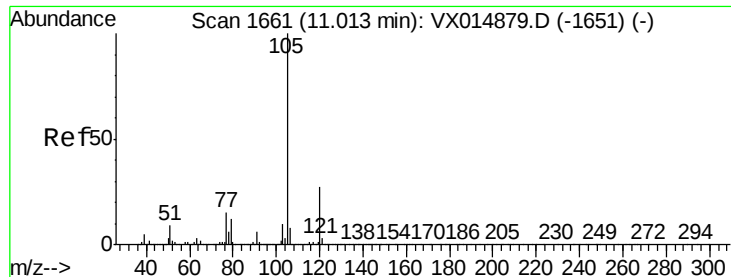
MMDadoda
2/21/2020 9:15:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	38.6	116.0
150	161.9	0.0	349.0





#73

Isopropylbenzene

Concen: 20.024 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBSD01

Tot Ion: 105 Resp: 389912

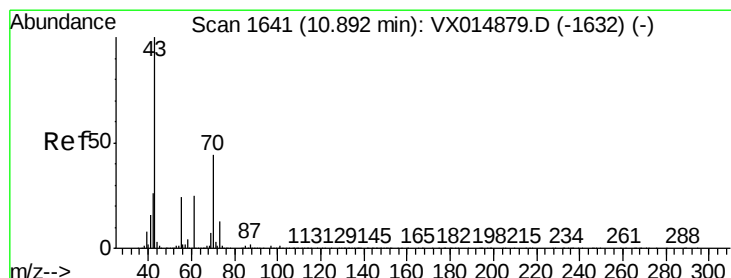
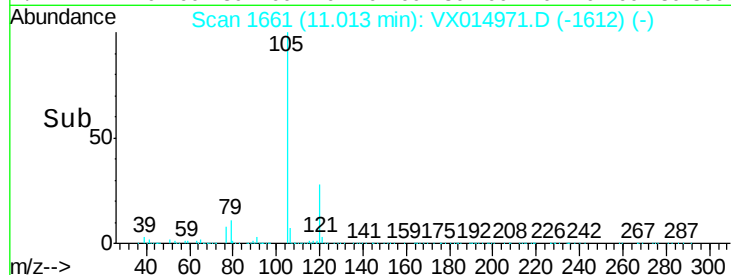
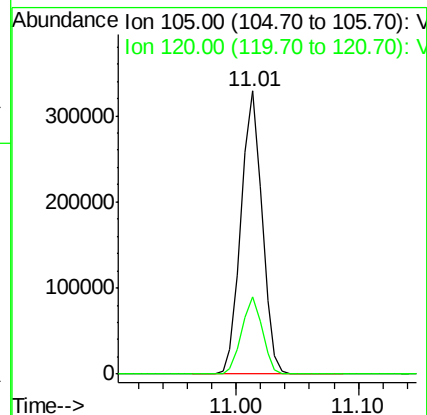
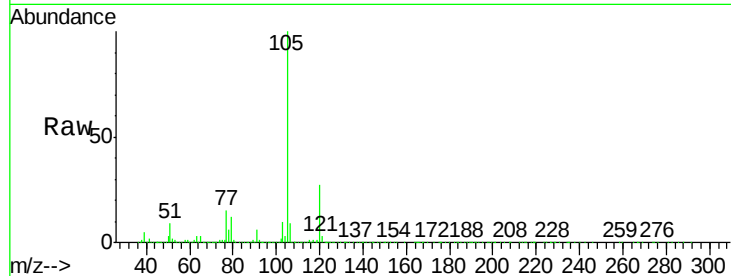
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8

Manual Integrations
APPROVED

MMDadoda
2/21/2020 9:15:28 AM



#74

N-ethyl acetate

Concen: 20.068 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion: 43 Resp: 162360

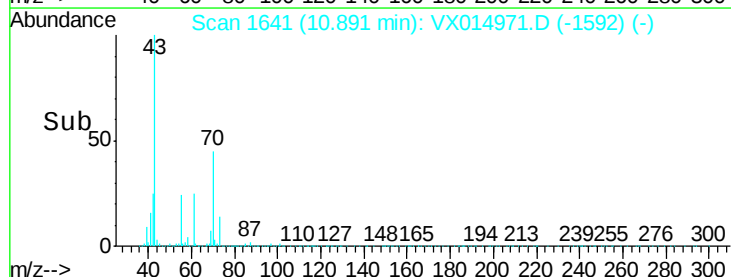
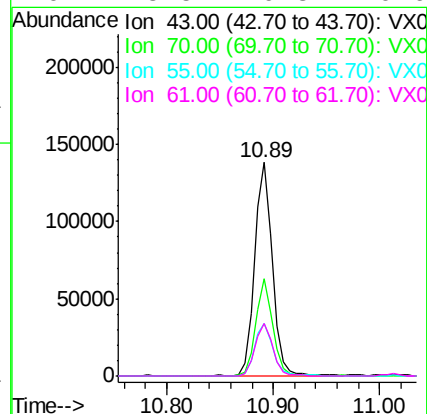
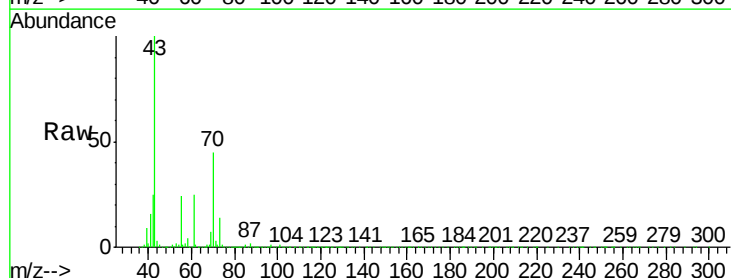
Ion Ratio Lower Upper

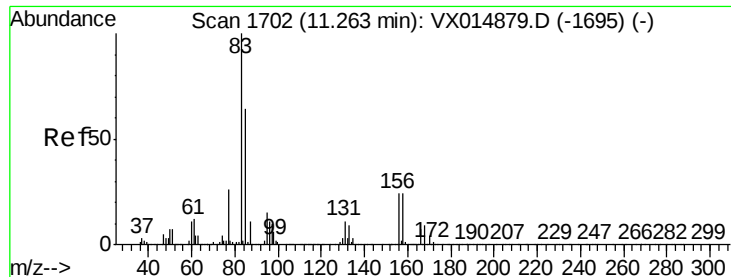
43 100

70 43.7 35.0 52.4

55 25.2 19.4 29.2

61 25.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.095 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

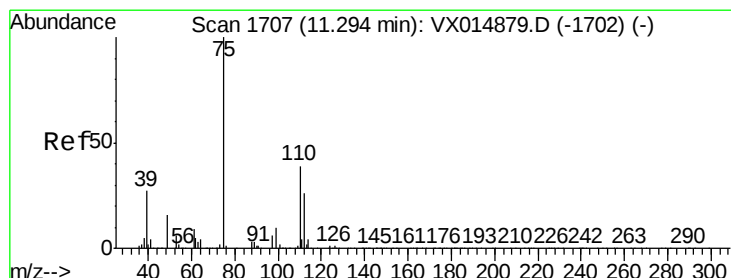
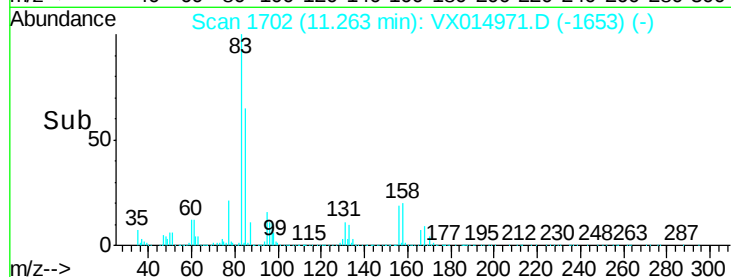
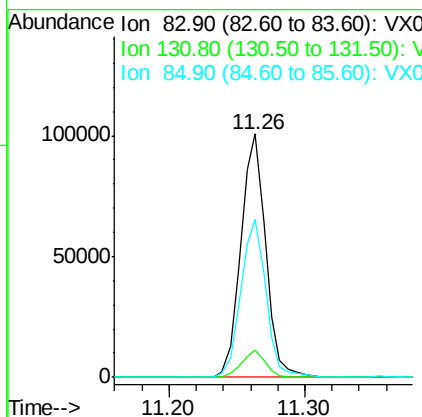
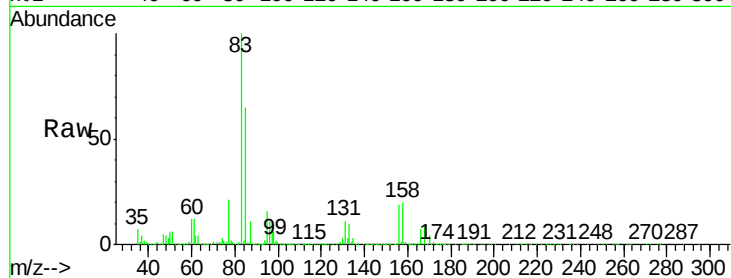
ClientSampleId :

VX0220WBSD01

Tot Ion:	83	Resp:	127911
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	65.3	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 19.227 ug/l m

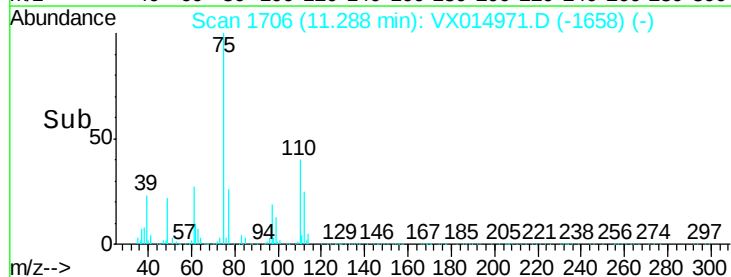
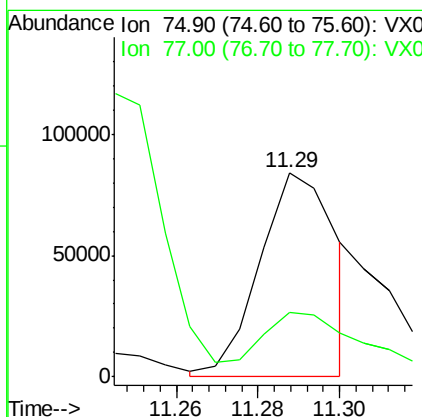
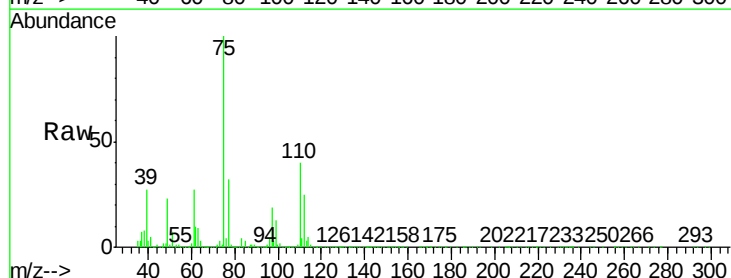
RT: 11.29 min Scan# 1706

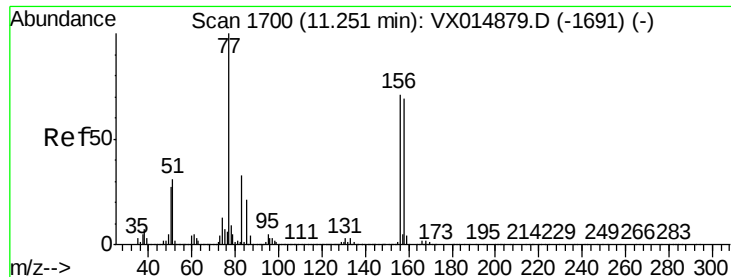
Delta R.T. -0.01 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	75	Resp:	107960
Ion Ratio	Lower	Upper	
75	100		
77	43.5	18.4	55.0





#77

Bromobenzene

Concen: 19.630 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

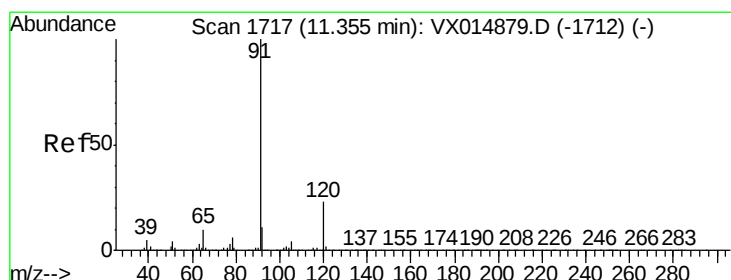
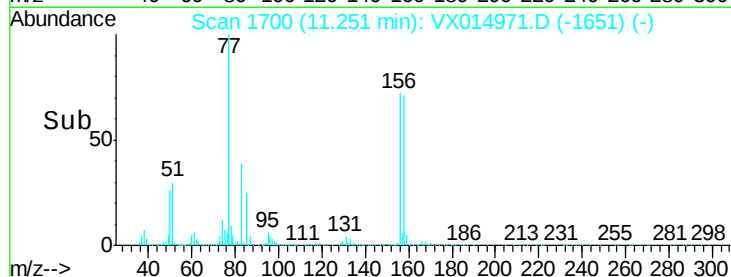
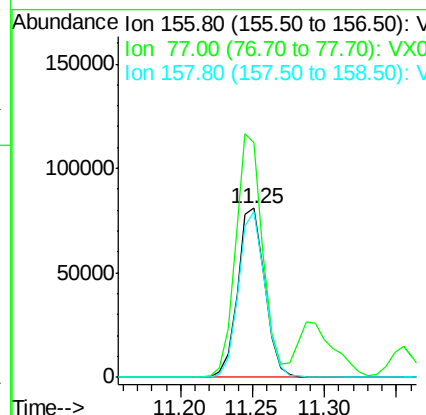
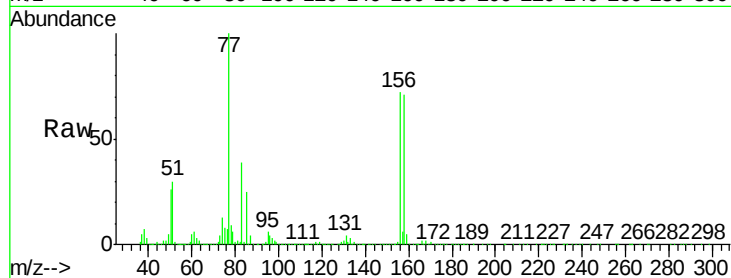
ClientSampleId :

VX0220WBSD01

Tot Ion:	156	Resp:	106684
Ion Ratio	Lower	Upper	
156	100		
77	142.4	74.0	222.0
158	96.2	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.739 ug/l

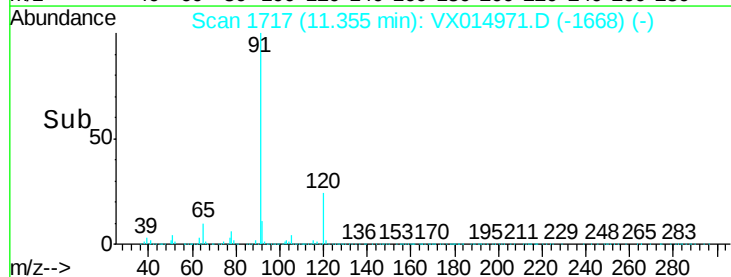
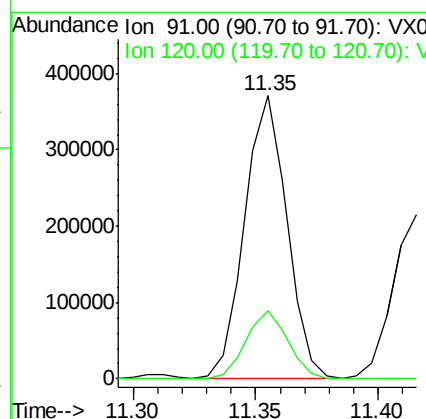
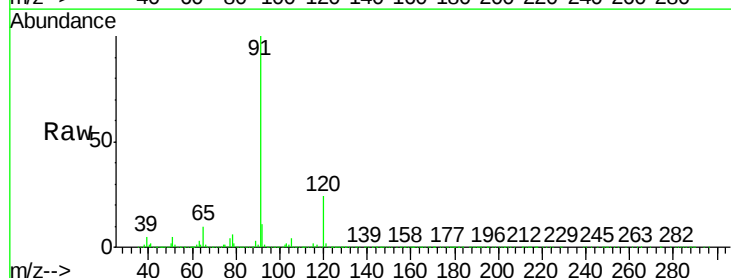
RT: 11.35 min Scan# 1717

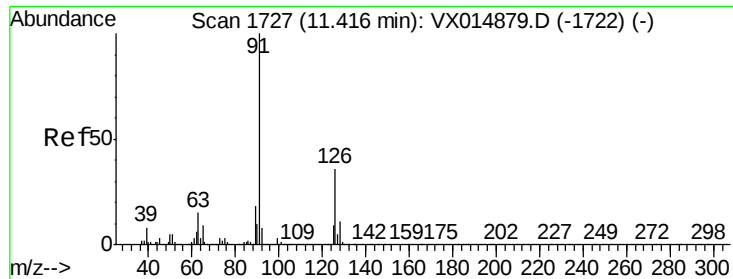
Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	91	Resp:	444548
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





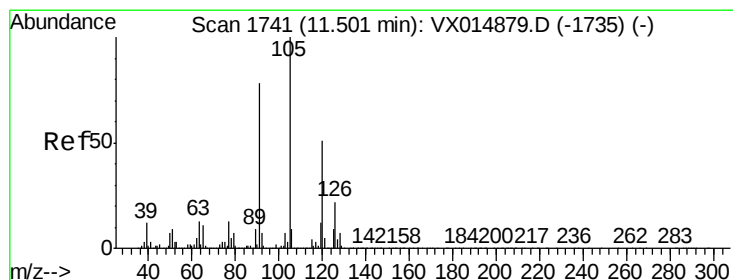
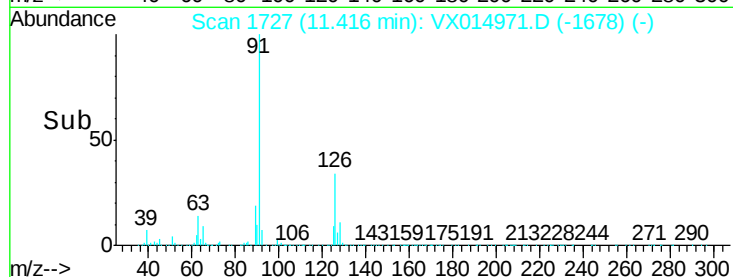
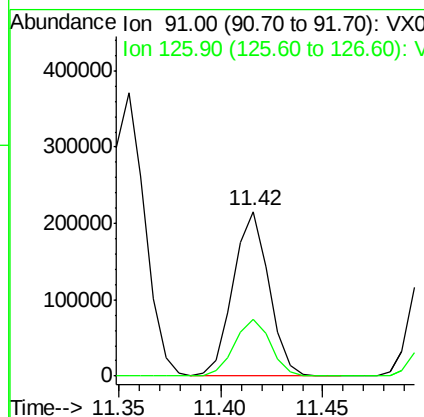
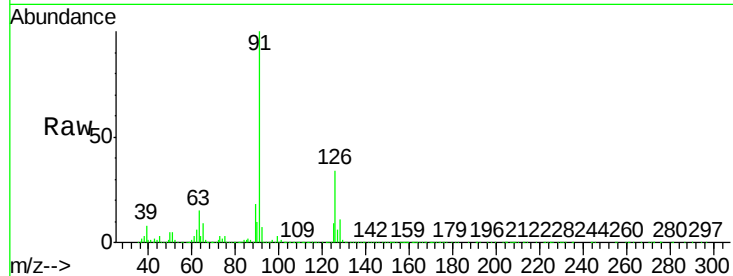
#79
2-Chlorotoluene
Concen: 19.709 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion: 91 Resp: 260949
Ion Ratio Lower Upper
91 100
126 35.0 18.0 54.0

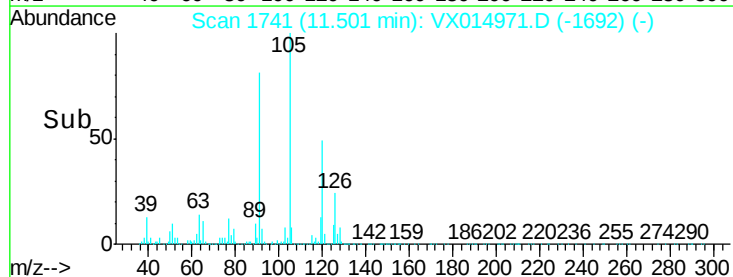
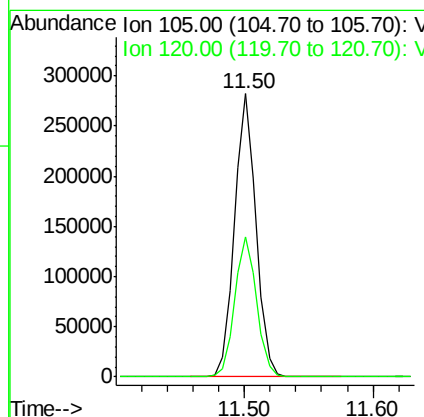
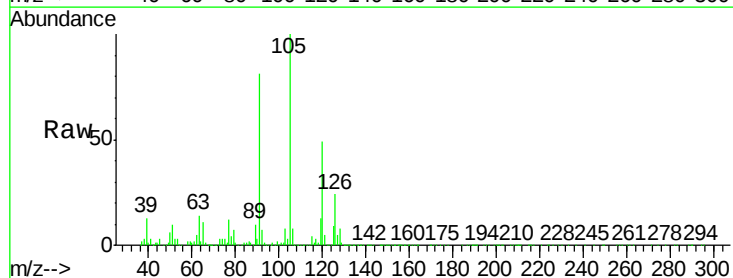
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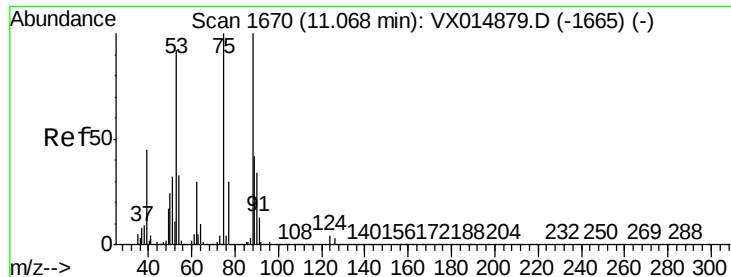
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#80
1,3,5-Trimethylbenzene
Concen: 20.198 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion: 105 Resp: 328619
Ion Ratio Lower Upper
105 100
120 50.2 25.6 76.6





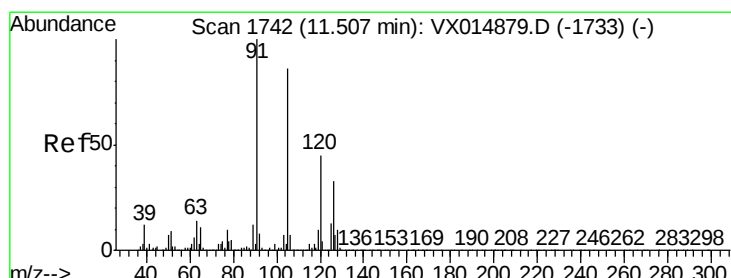
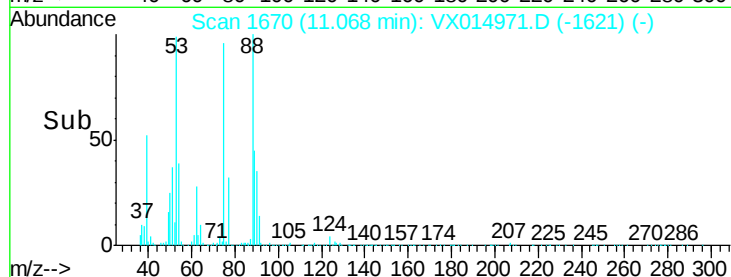
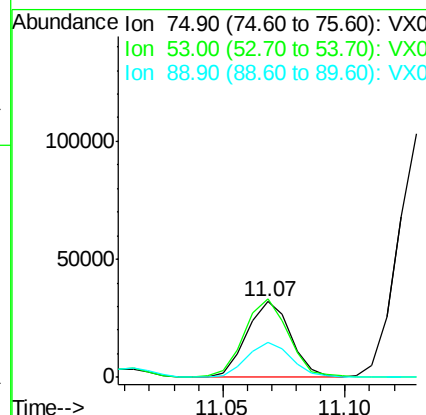
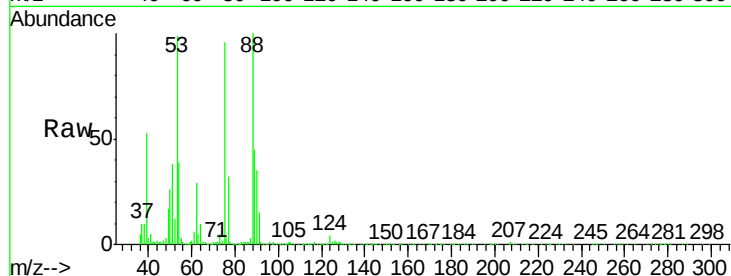
#81
trans-1,4-Dichloro-2-butene
Concen: 17.988 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	76.2	114.2
89	46.9	35.8	53.6

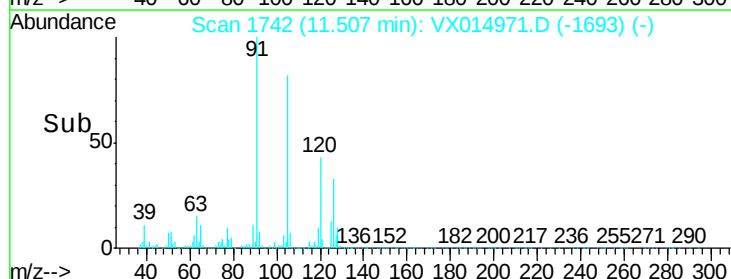
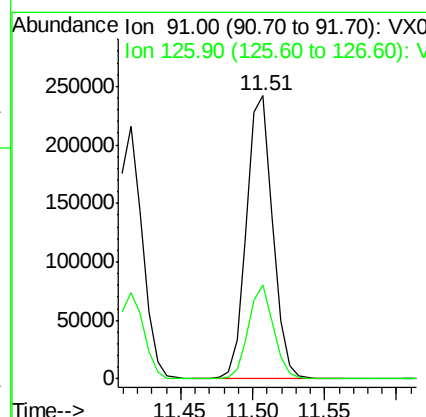
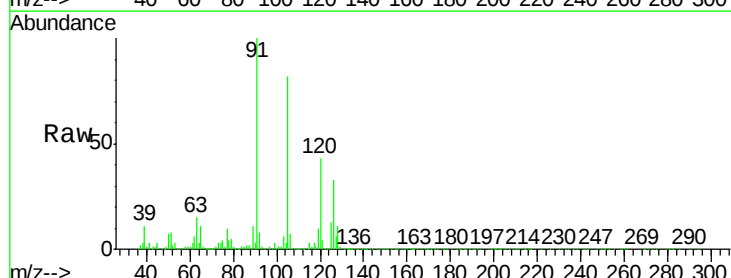
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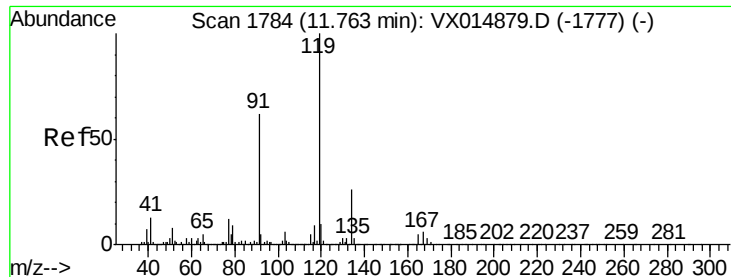
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#82
4-Chlorotoluene
Concen: 19.358 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





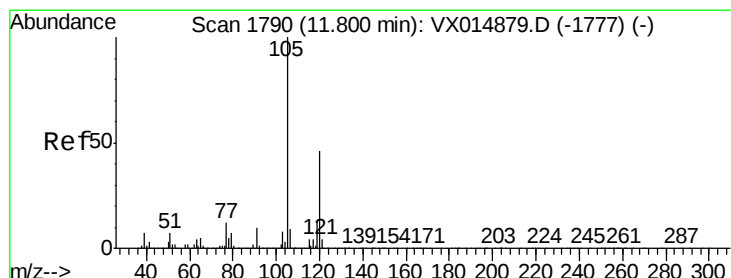
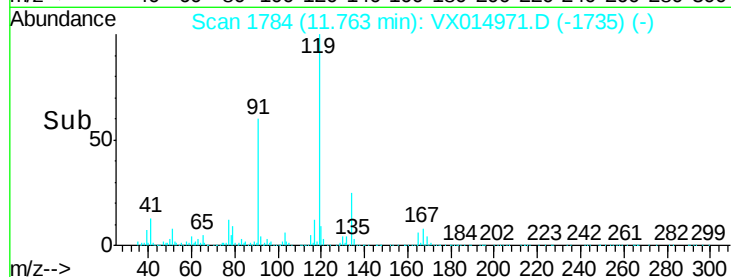
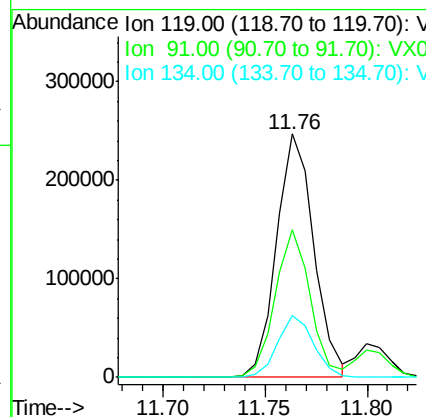
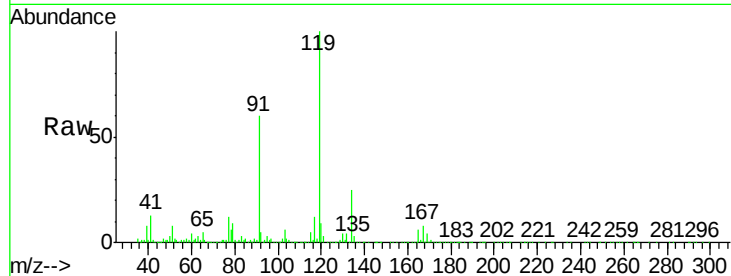
#83
tert-Butylbenzene
Concen: 20.459 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315211		
91	56.8	29.5	88.6	
134	24.6	12.6	37.6	

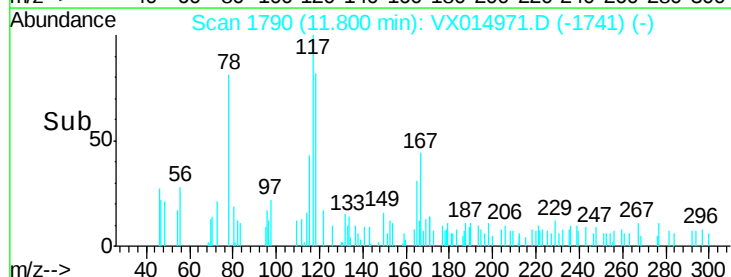
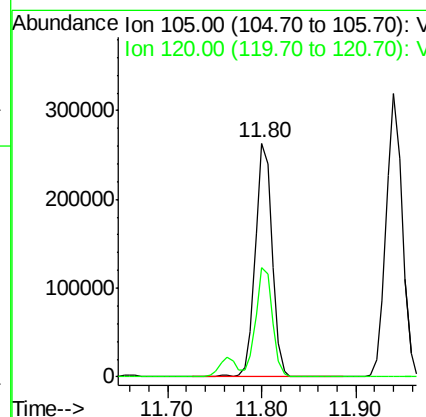
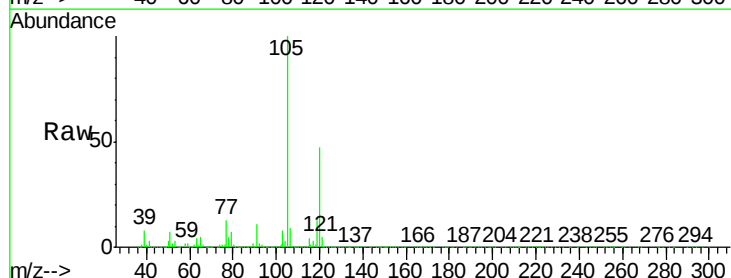
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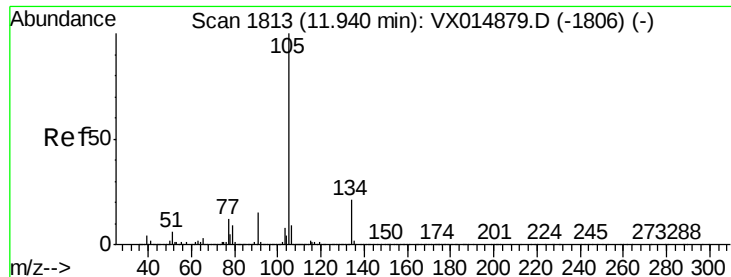
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#84
1,2,4-Trimethylbenzene
Concen: 20.210 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	331376		
120	45.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.904 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0220WBSD01

Tot Ion:105 Resp: 380963

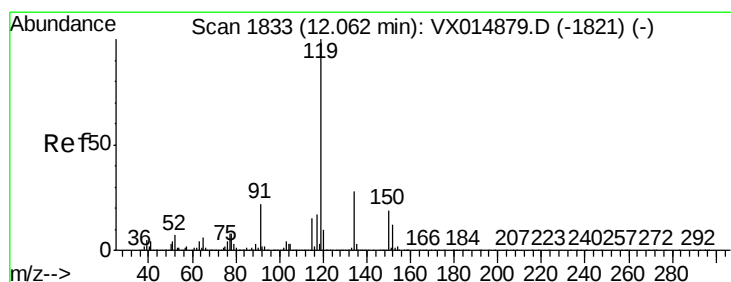
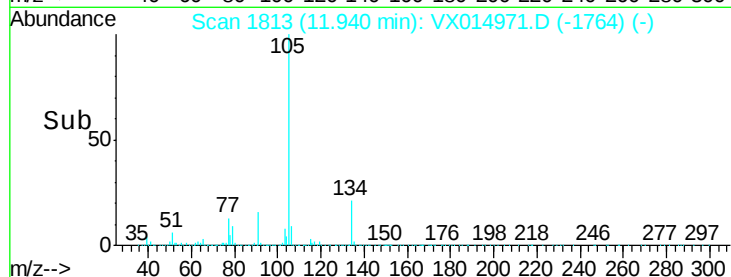
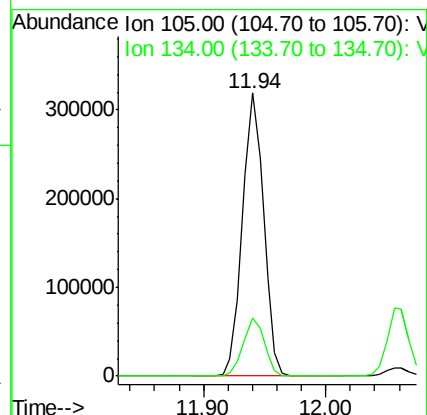
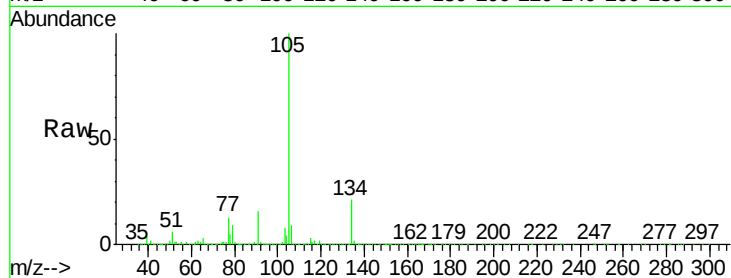
Ion Ratio Lower Upper

105 100

134 20.6 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 19.901 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

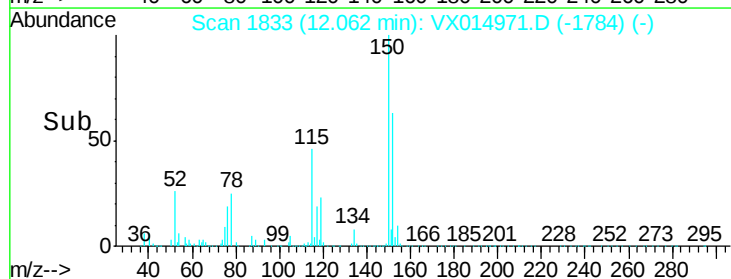
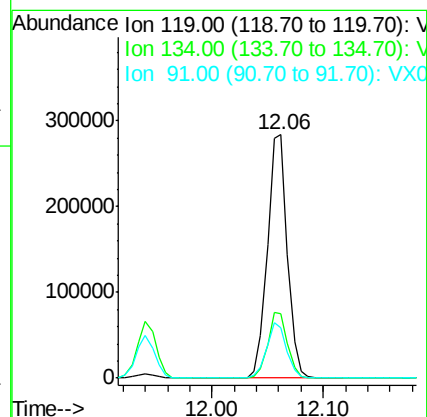
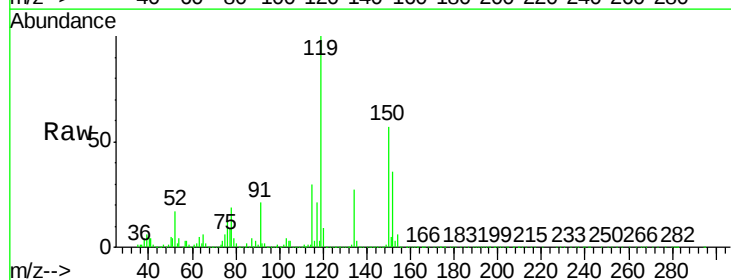
Tgt Ion:119 Resp: 356432

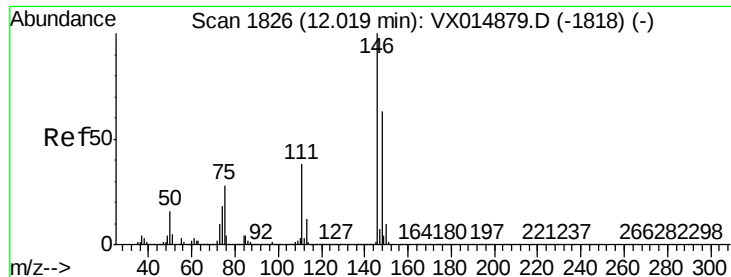
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.4 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 19.276 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Instrument :

MSVOA_X

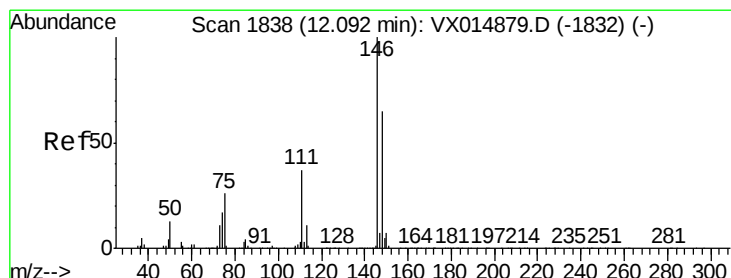
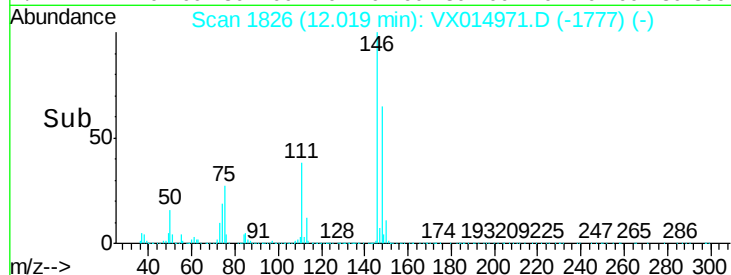
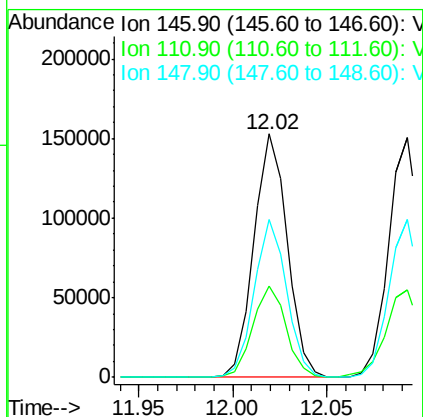
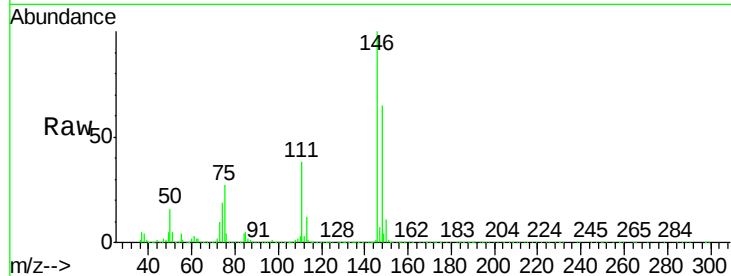
ClientSampleId :

VX0220WBSD01

Tot Ion:	146	Resp:	187943
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	56.0
148	63.0	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.712 ug/l

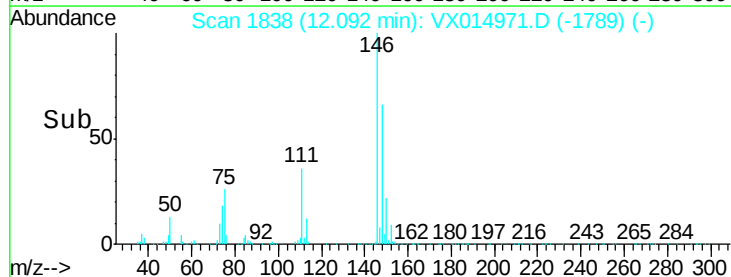
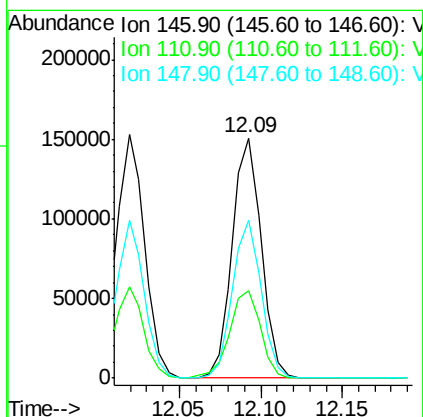
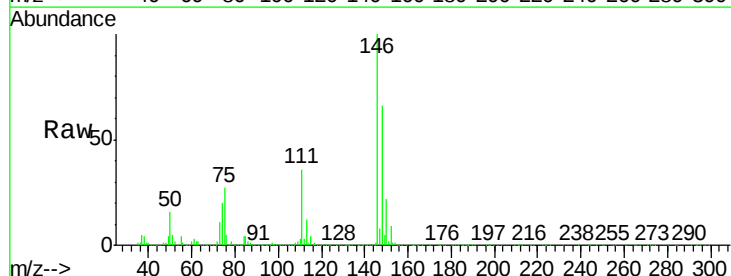
RT: 12.09 min Scan# 1838

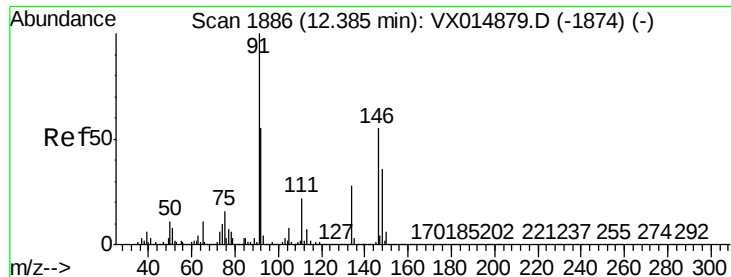
Delta R.T. -0.00 min

Lab File: VX014971.D

Acq: 20 Feb 2020 11:44

Tgt Ion:	146	Resp:	186310
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.6	55.6
148	65.3	32.4	97.0





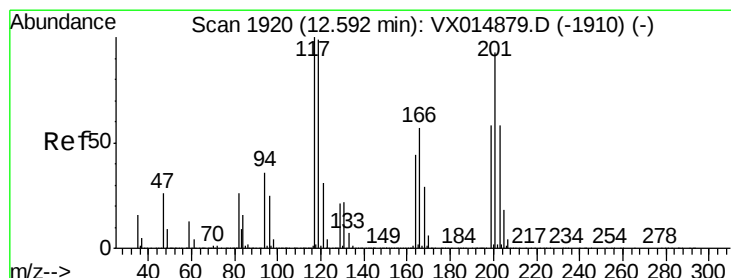
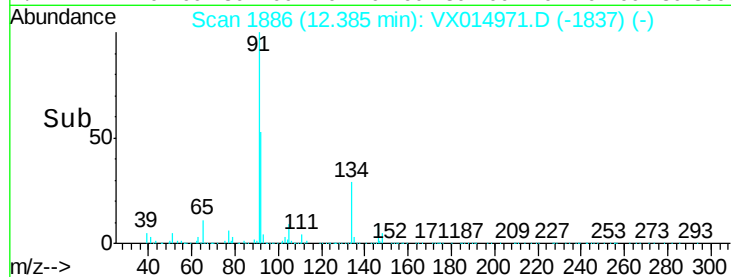
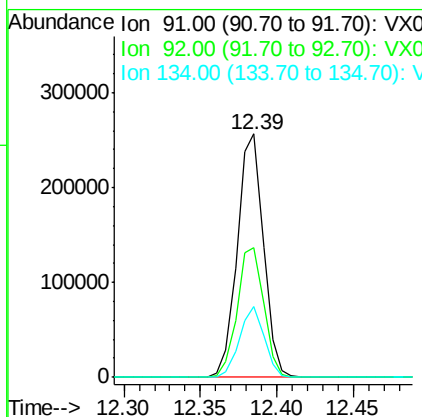
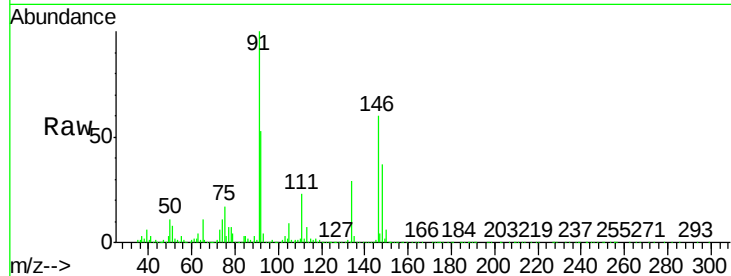
#89
n-Butylbenzene
Concen: 18.893 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.8
134	27.5	13.8	41.4

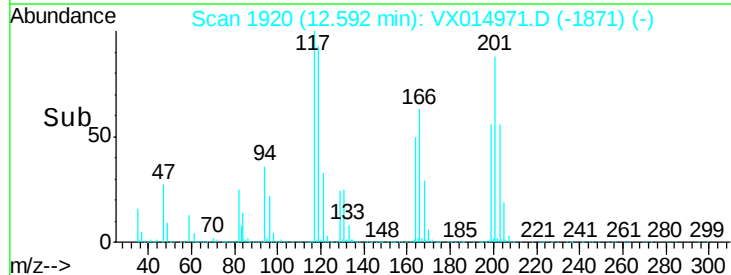
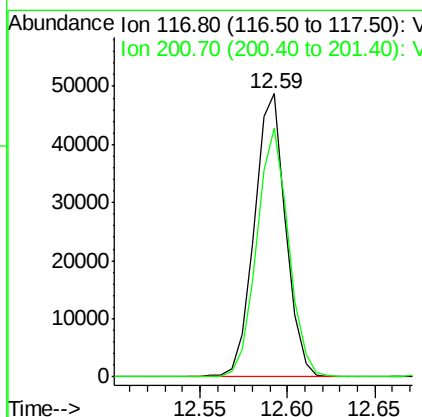
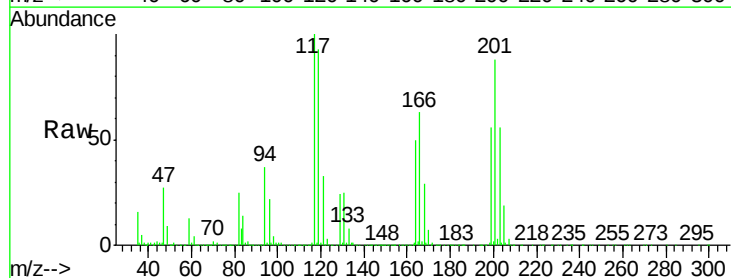
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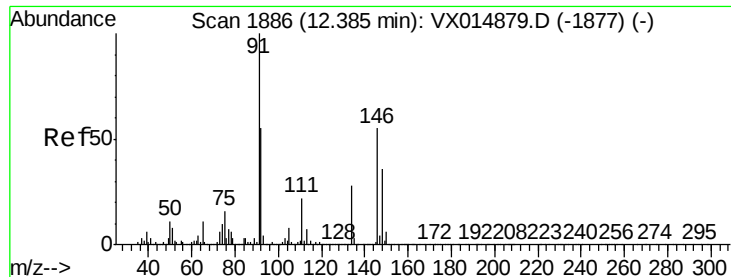
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#90
Hexachloroethane
Concen: 19.462 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	44.8	134.3





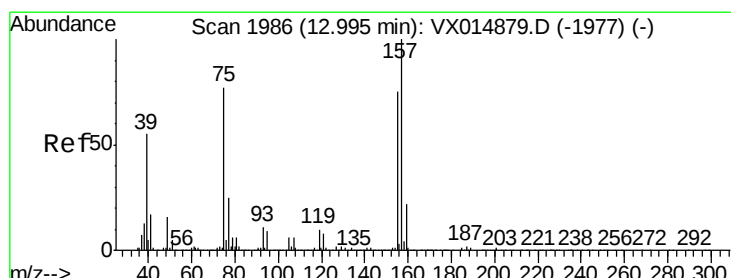
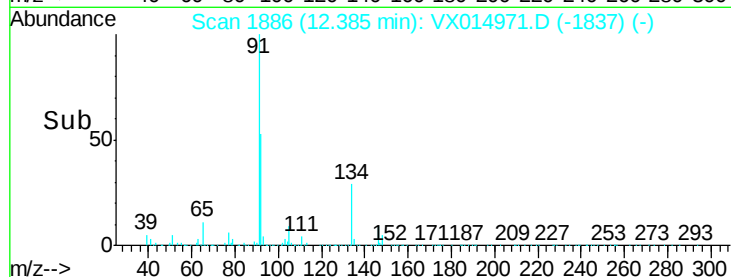
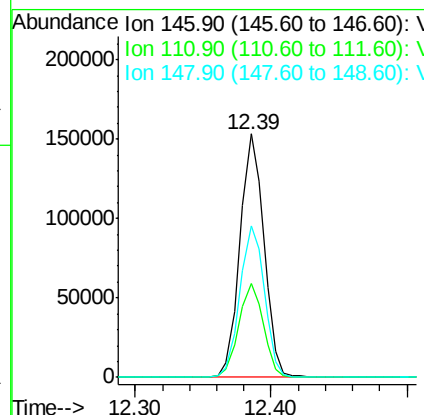
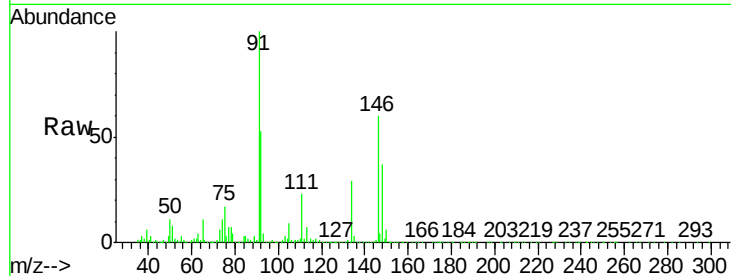
#91
 1,2-Dichlorobenzene
 Concen: 19.708 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188435		
111	39.1	19.8	59.3	
148	63.9	32.4	97.2	

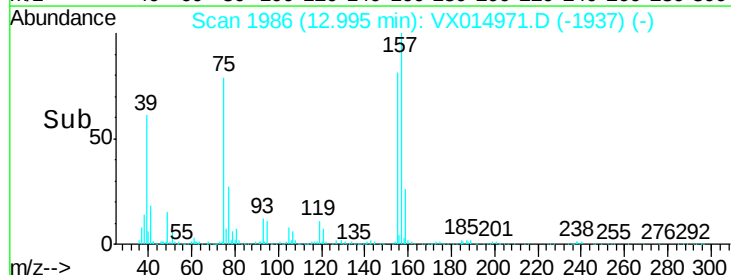
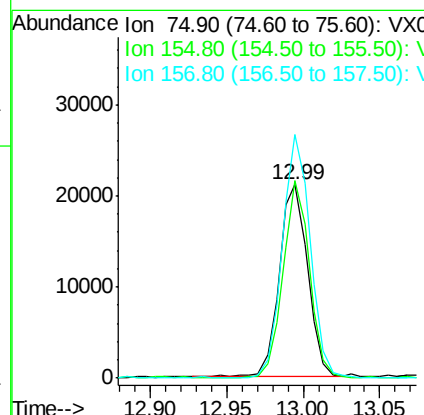
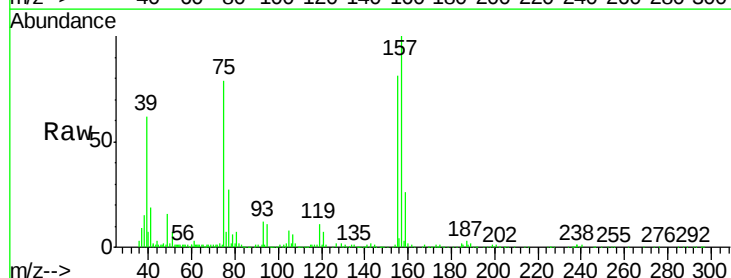
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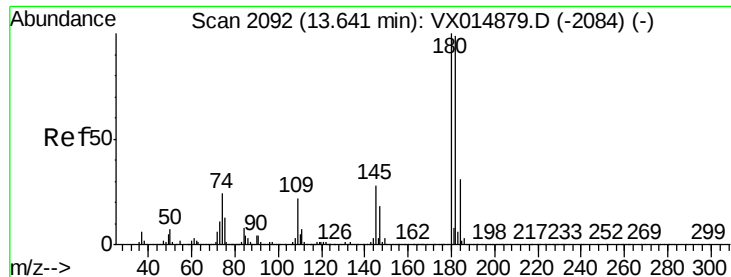
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 2/21/2020 9:15:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.262 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27271		
155	95.7	48.6	145.9	
157	124.5	62.0	186.0	





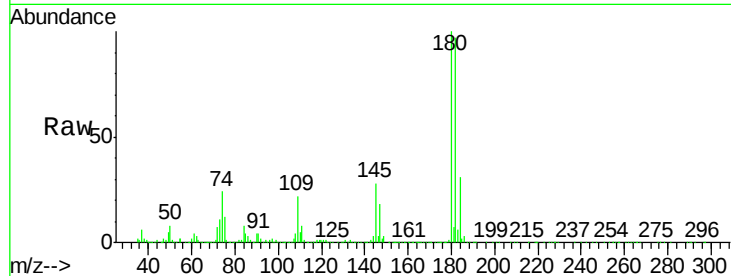
#93
 1,2,4-Trichlorobenzene
 Concen: 18.698 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131959		
182	96.7	48.4	145.3	
145	28.2	14.1	42.4	

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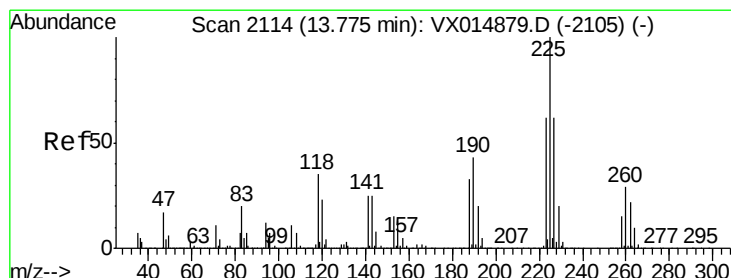
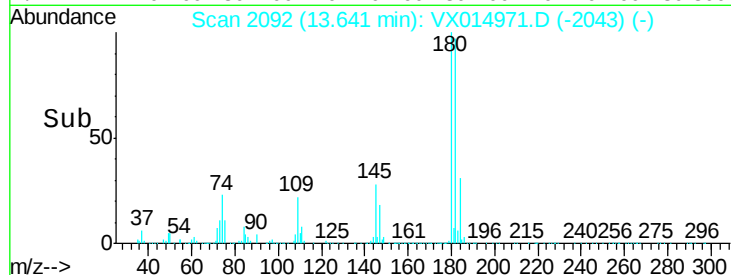
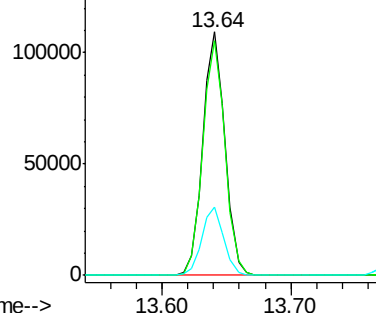


Abundance

Ion 179.80 (179.50 to 180.50): V

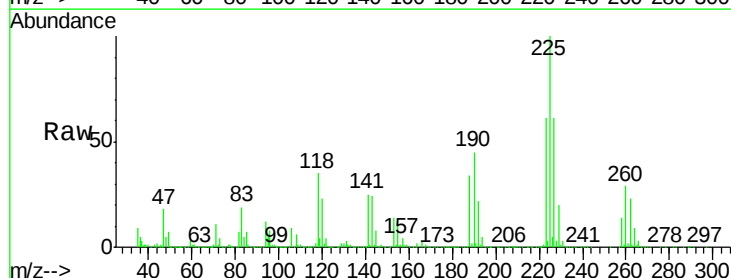
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.854 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014971.D
 Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67772		
223	60.8	31.1	93.2	
227	61.6	30.9	92.5	

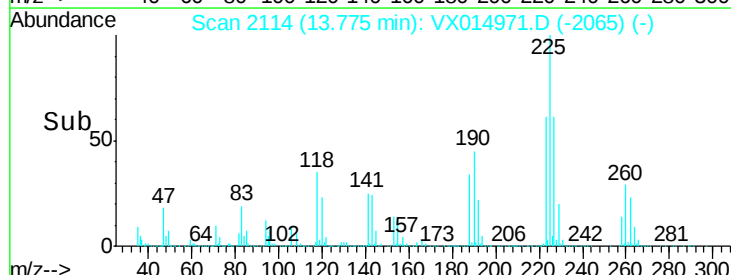
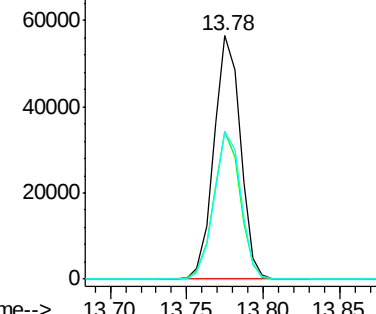


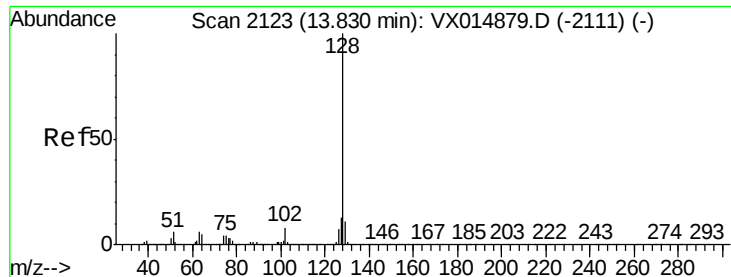
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





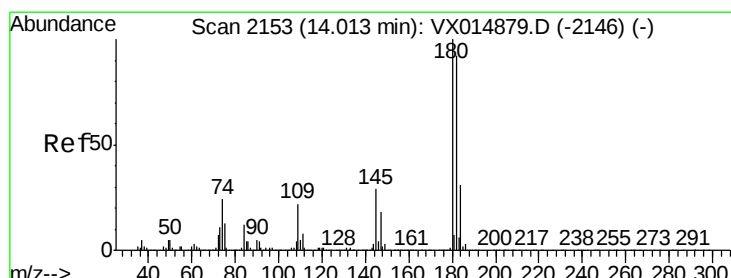
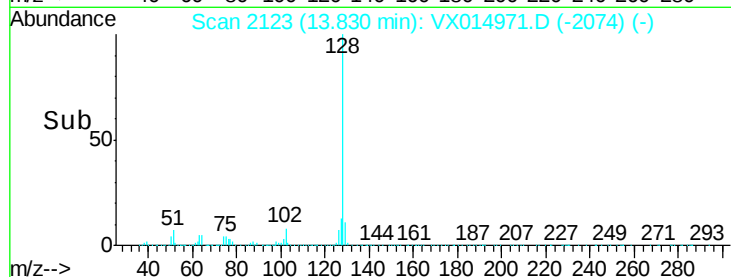
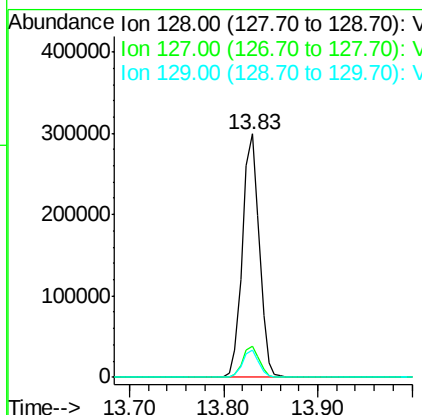
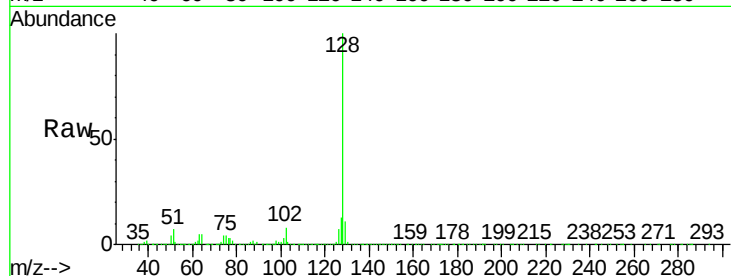
#95
Naphthalene
Concen: 19.876 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	372959		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 19.502 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014971.D
Acq: 20 Feb 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132971		
182	94.2		47.5	142.6
145	29.6		14.5	43.5

