

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022720\
 Data File : VX015037.D
 Acq On : 27 Feb 2020 11:06
 Operator : JC/SP
 Sample : VX0227WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 11:28:52 AM

Quant Time: Feb 27 15:52:15 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	408872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	606775	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	571345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	300023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	224184	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	188044	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	8.71	98	712931	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	263084	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66703	17.227	ug/l	99
3) Chloromethane	1.32	50	83673	19.060	ug/l	98
4) Vinyl Chloride	1.40	62	83017	17.555	ug/l	97
5) Bromomethane	1.64	94	51961	16.975	ug/l	92
6) Chloroethane	1.72	64	54414	17.983	ug/l	98
7) Trichlorofluoromethane	1.92	101	111723	16.909	ug/l	99
8) Diethyl Ether	2.18	74	52465	19.148	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70982	18.508	ug/l	99
10) Methyl Iodide	2.50	142	68446	18.978	ug/l	99
11) Tert butyl alcohol	3.02	59	84969	104.289	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66390	17.715	ug/l	96
13) Acrolein	2.28	56	47726	76.858	ug/l	98
14) Allyl chloride	2.72	41	122857	18.490	ug/l	95
15) Acrylonitrile	3.12	53	219837	106.436	ug/l	99
16) Acetone	2.43	43	223775	82.977	ug/l	97
17) Carbon Disulfide	2.56	76	164888	15.747	ug/l	99
18) Methyl Acetate	2.76	43	107470	23.125	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	242691	19.898	ug/l	100
20) Methylene Chloride	2.85	84	82886	18.672	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	74605	18.041	ug/l	96
22) Diisopropyl ether	3.84	45	259647	20.460	ug/l	98
23) Vinyl Acetate	3.80	43	1097070	104.867	ug/l	100
24) 1,1-Dichloroethane	3.69	63	135382	18.902	ug/l	99
25) 2-Butanone	4.65	43	315045	100.285	ug/l	99
26) 2,2-Dichloropropane	4.57	77	109567	17.751	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	88074	19.053	ug/l	99
28) Bromochloromethane	5.00	49	57696	20.783	ug/l	99
29) Tetrahydrofuran	5.11	42	194919	109.147	ug/l	98
30) Chloroform	5.19	83	138817	19.535	ug/l	95
31) Cyclohexane	5.57	56	115776	17.748	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	113566	18.270	ug/l	100
36) 1,1-Dichloropropene	5.79	75	99524	18.336	ug/l	98
37) Ethyl Acetate	4.81	43	120535	21.292	ug/l	99
38) Carbon Tetrachloride	5.77	117	95833	18.117	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	121034	17.830	ug/l	97
40) Benzene	6.13	78	310272	19.132	ug/l	100
41) Methacrylonitrile	5.02	41	63637	20.866	ug/l	98
42) 1,2-Dichloroethane	6.18	62	109874	18.745	ug/l	98
43) Isopropyl Acetate	6.43	43	187976	20.129	ug/l	98
44) Trichloroethene	7.20	130	87337	18.551	ug/l	99
45) 1,2-Dichloropropane	7.50	63	81632	19.737	ug/l	95
46) Dibromomethane	7.65	93	55643	19.682	ug/l	95
47) Bromodichloromethane	7.89	83	106534	19.005	ug/l	98
48) Methyl methacrylate	7.76	41	91914	19.999	ug/l	98
49) 1,4-Dioxane	7.73	88	39239	456.646	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	605766	107.426	ug/l	100
52) Toluene	8.78	92	196819	19.108	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	115582	18.814	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	130196	19.184	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	83433	20.021	ug/l	99
56) Ethyl methacrylate	9.17	69	126082	20.129	ug/l	99
57) 1,3-Dichloropropane	9.36	76	140358	20.009	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	332908	101.625	ug/l	99
59) 2-Hexanone	9.48	43	462081	104.254	ug/l	99
60) Dibromochloromethane	9.57	129	88153	19.657	ug/l	98
61) 1,2-Dibromoethane	9.67	107	85912	19.107	ug/l	99
64) Tetrachloroethene	9.33	164	87844	16.444	ug/l	97
65) Chlorobenzene	10.13	112	218236	18.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	81687	19.416	ug/l	98
67) Ethyl Benzene	10.25	91	373912	18.972	ug/l	98
68) m/p-Xylenes	10.36	106	288574	38.009	ug/l	98
69) o-Xylene	10.69	106	135216	18.527	ug/l	99
70) Styrene	10.71	104	236268	19.136	ug/l	99
71) Bromoform	10.85	173	66318	18.885	ug/l #	98
73) Isopropylbenzene	11.01	105	367801	19.549	ug/l	100
74) N-amyl acetate	10.89	43	158078	20.221	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	128371	20.872	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	106728m	19.672	ug/l	
77) Bromobenzene	11.25	156	101182	19.268	ug/l	99
78) n-propylbenzene	11.35	91	428694	19.700	ug/l	99
79) 2-Chlorotoluene	11.42	91	248968	19.461	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	311057	19.786	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	40500	19.108	ug/l	96
82) 4-Chlorotoluene	11.51	91	292925	19.335	ug/l	99
83) tert-Butylbenzene	11.76	119	296005	19.883	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	313727	19.802	ug/l	100
85) sec-Butylbenzene	11.94	105	367629	19.878	ug/l	98
86) p-Isopropyltoluene	12.06	119	335222	19.370	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	180307	19.139	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	180414	18.753	ug/l	99
89) n-Butylbenzene	12.39	91	294476	18.999	ug/l	99
90) Hexachloroethane	12.59	117	56703	18.762	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	176369	19.090	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	26890	18.636	ug/l	98

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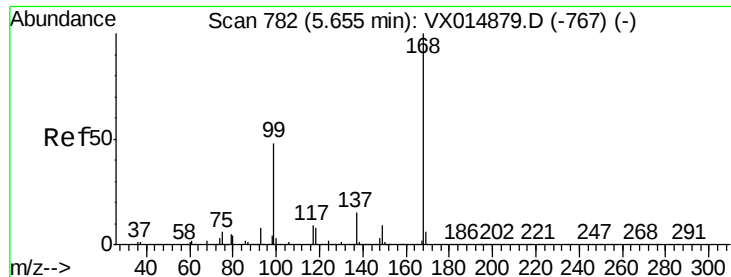
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APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	129880	19.046	ug/l	96
94) Hexachlorobutadiene	13.78	225	63548	19.267	ug/l	98
95) Naphthalene	13.83	128	361829	19.956	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	128776	19.546	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: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion:168 Resp: 408872

Ion Ratio Lower Upper

168 100

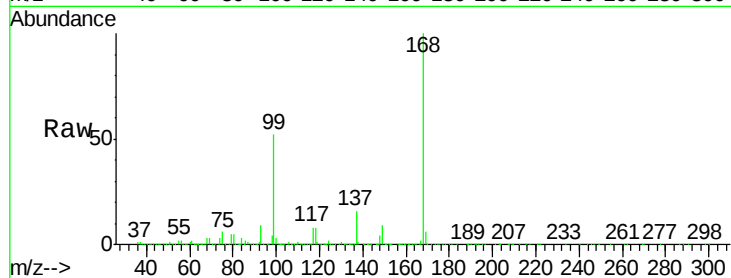
99 51.8 38.7 58.1

Manual Integrations

APPROVED

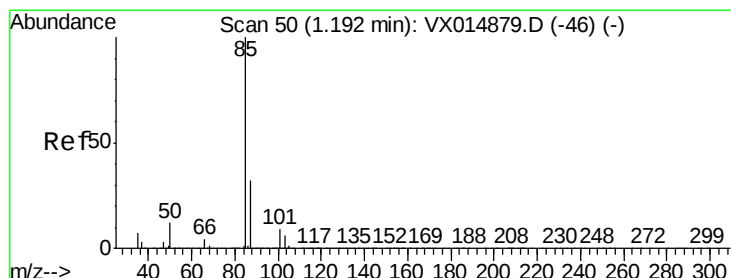
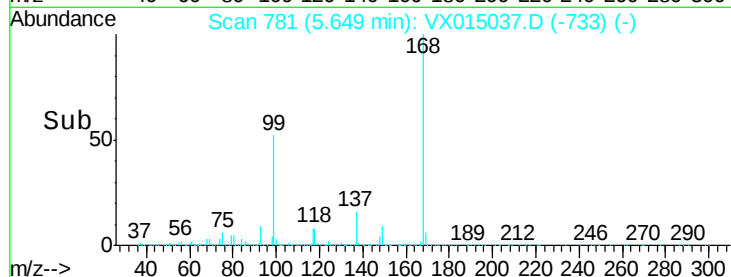
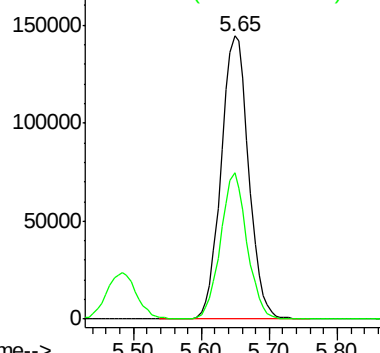
MMDadoda

2/28/2020 11:28:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.227 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015037.D

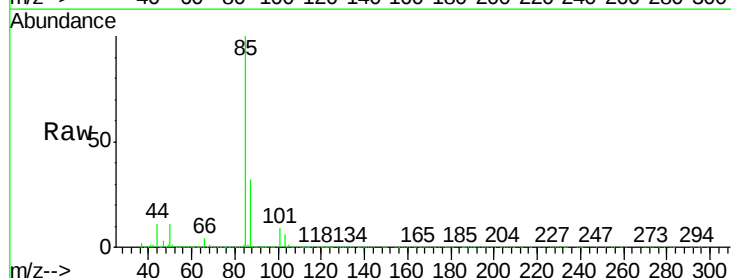
Acq: 27 Feb 2020 11:06

Tgt Ion: 85 Resp: 66703

Ion Ratio Lower Upper

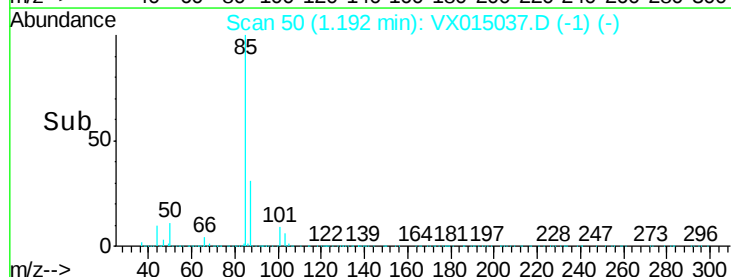
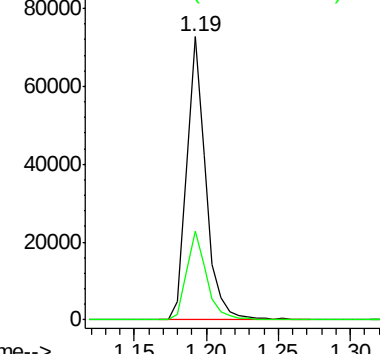
85 100

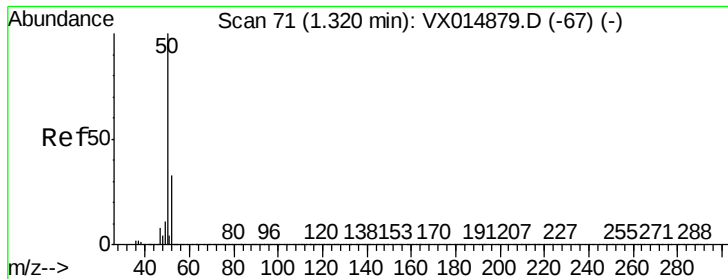
87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.060 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 50 Resp: 83673

Ion Ratio Lower Upper

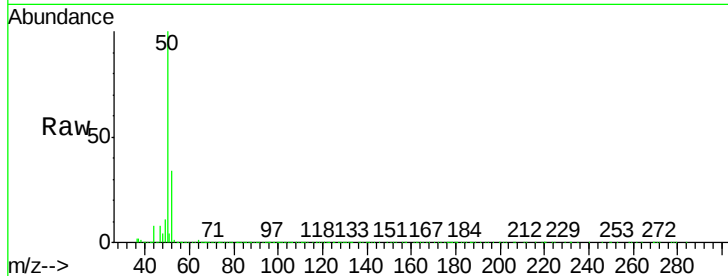
50 100

52 33.9 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

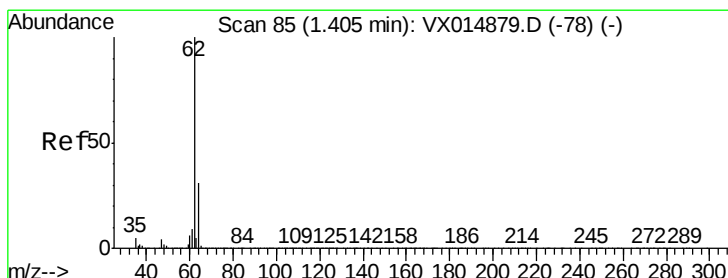
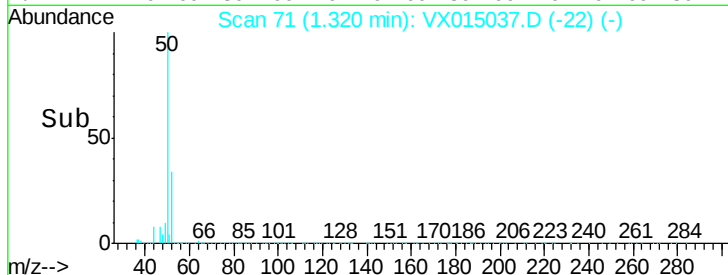
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.555 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015037.D

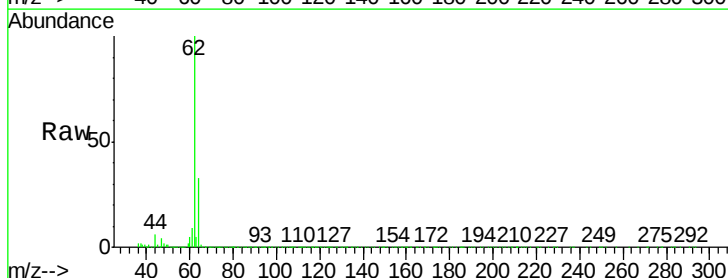
Acq: 27 Feb 2020 11:06

Tgt Ion: 62 Resp: 83017

Ion Ratio Lower Upper

62 100

64 32.8 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

80000

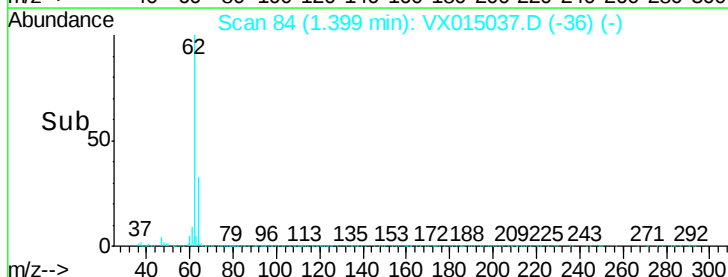
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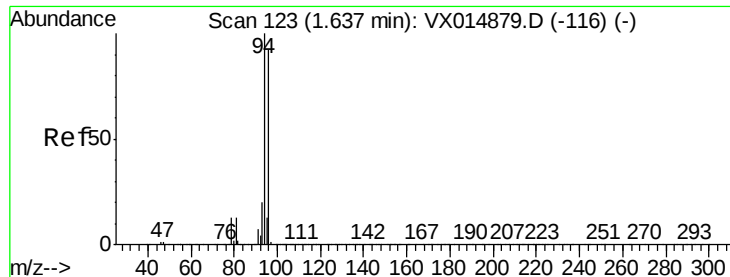
40000

20000

0

Time-->





#5

Bromomethane

Concen: 16.975 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 94 Resp: 51961

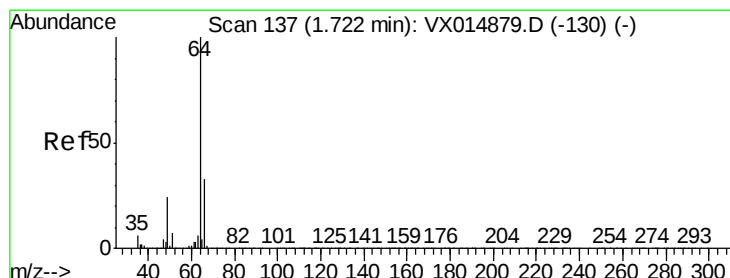
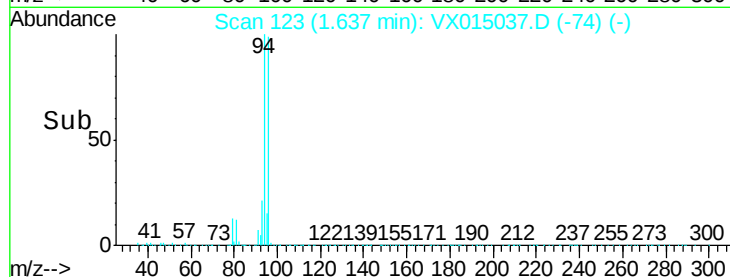
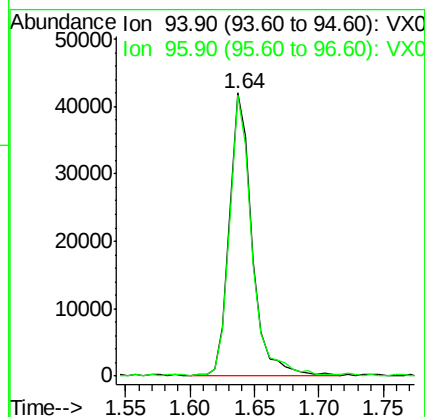
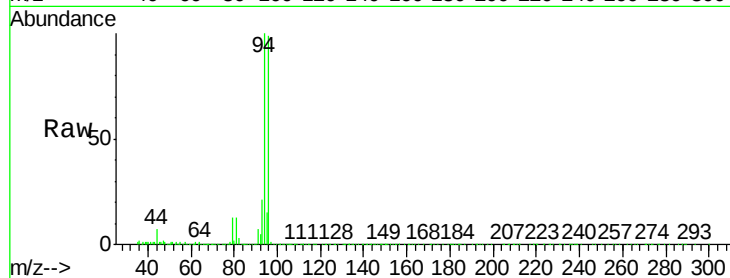
Ion Ratio Lower Upper

94 100

96 99.3 73.7 110.5

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2/28/2020 11:28:52 AM



#6

Chloroethane

Concen: 17.983 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015037.D

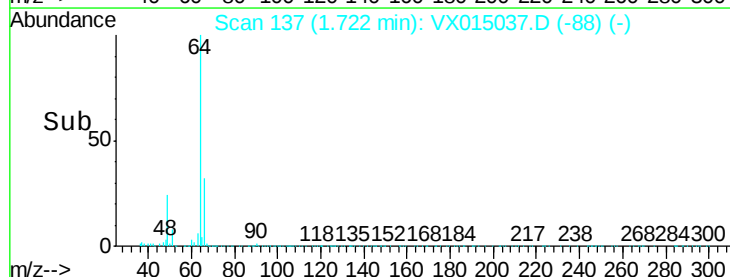
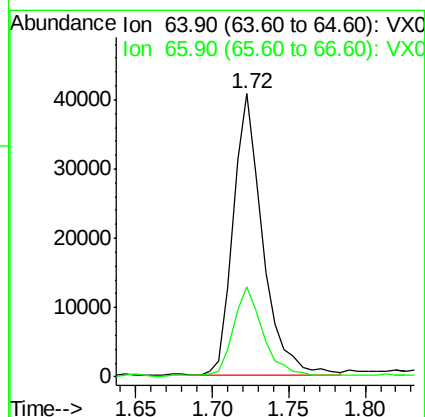
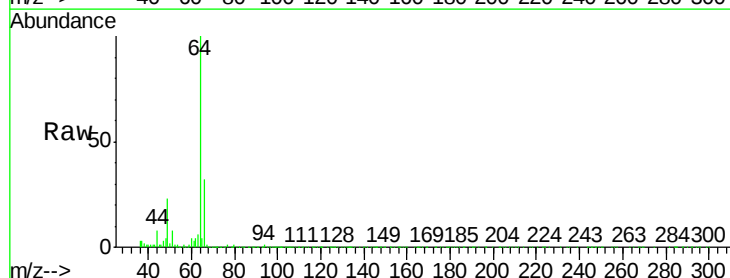
Acq: 27 Feb 2020 11:06

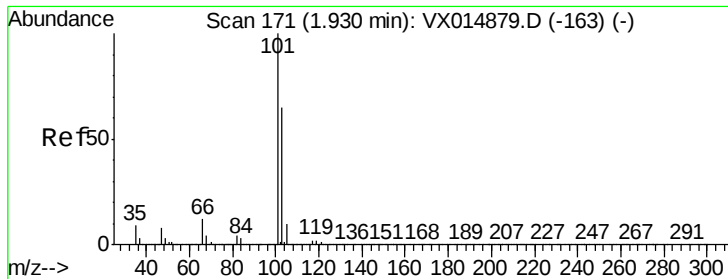
Tgt Ion: 64 Resp: 54414

Ion Ratio Lower Upper

64 100

66 31.4 26.2 39.4





#7

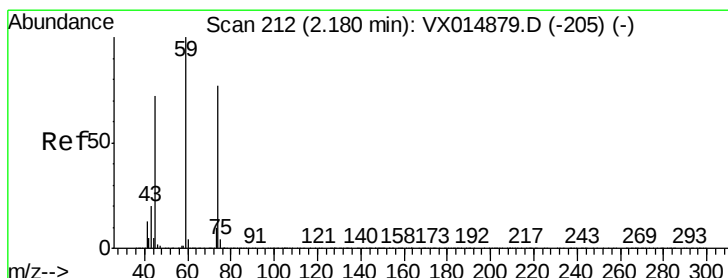
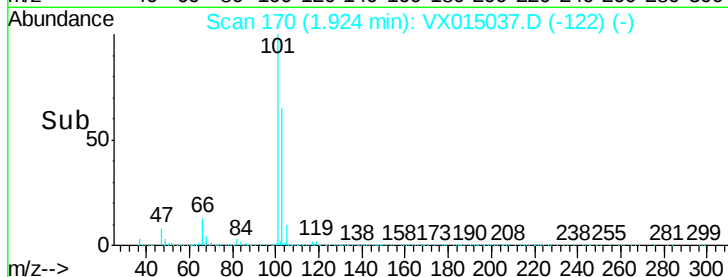
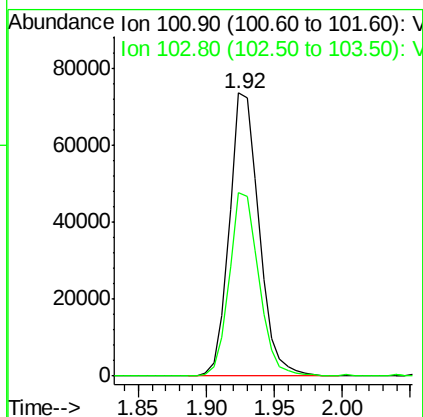
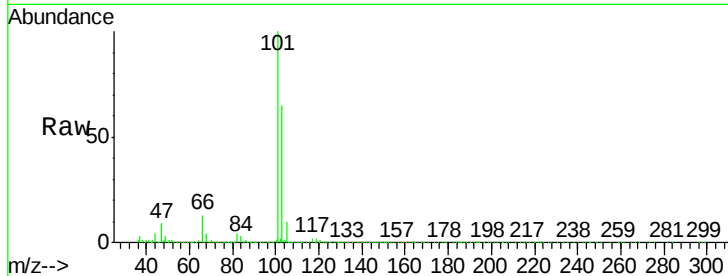
Trichlorofluoromethane
Concen: 16.909 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4

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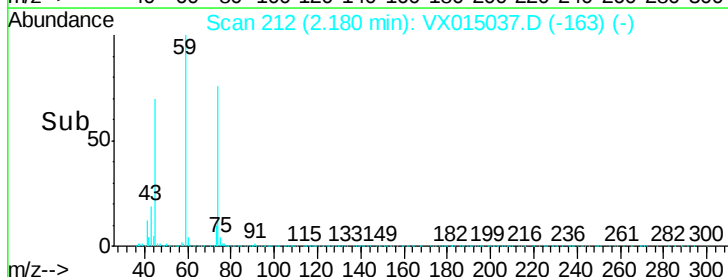
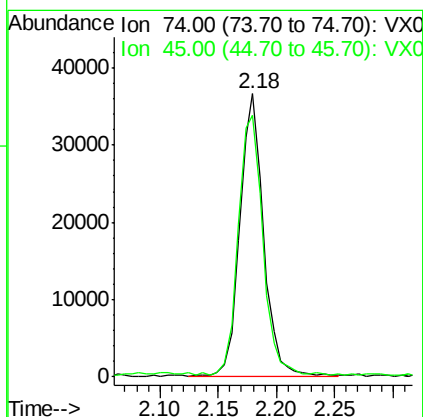
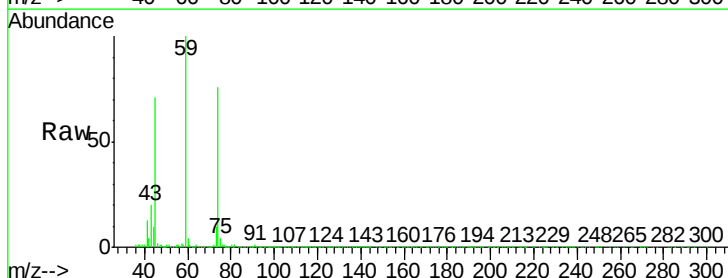
MMDadoda
2/28/2020 11:28:52 AM

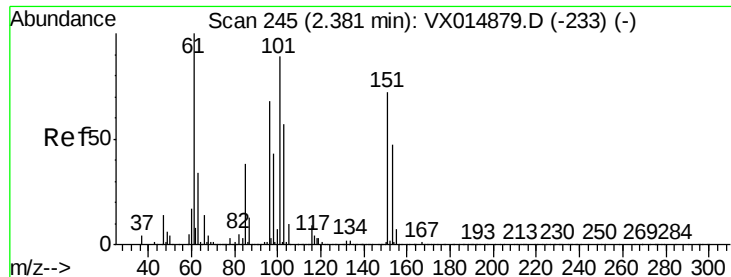


#8

Diethyl Ether
Concen: 19.148 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.508 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

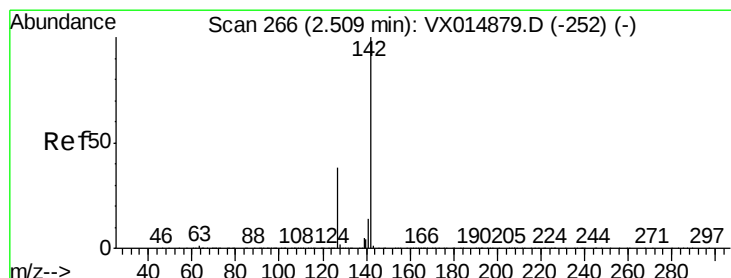
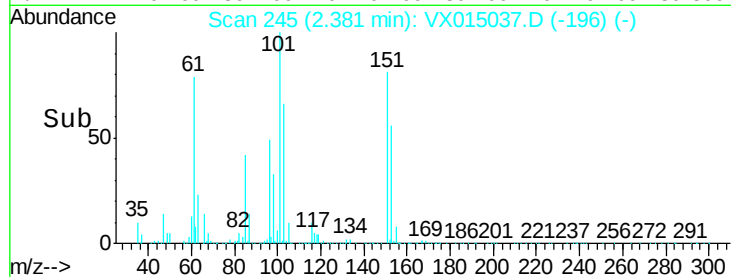
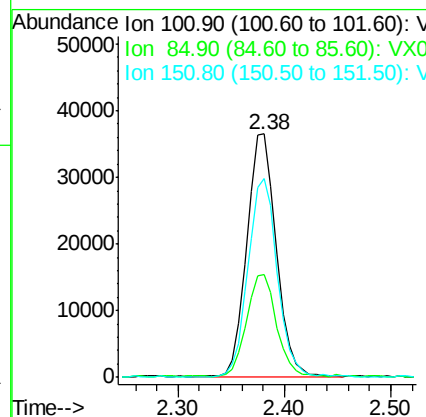
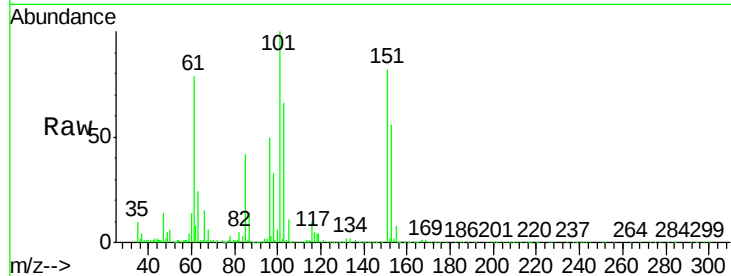
ClientSampleId :

VX0227WBSD02

Tot Ion:	101	Resp:	70982
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.1	51.1
151	82.8	67.3	100.9

Manual Integrations
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2/28/2020 11:28:52 AM



#10

Methyl Iodide

Concen: 18.978 ug/l

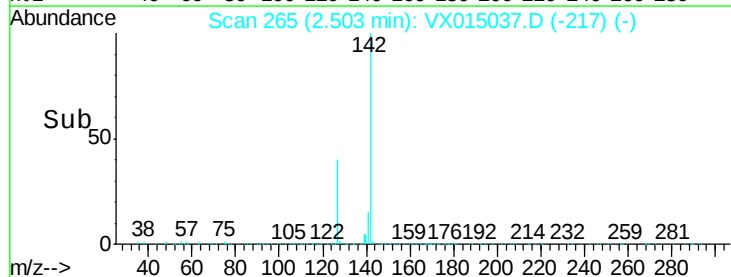
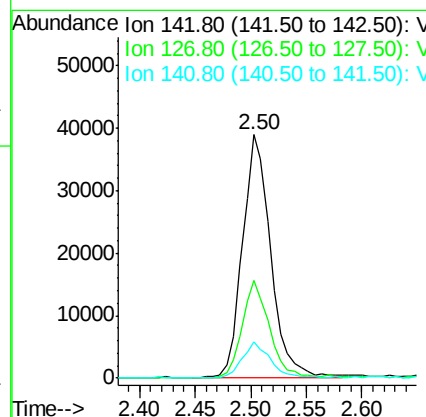
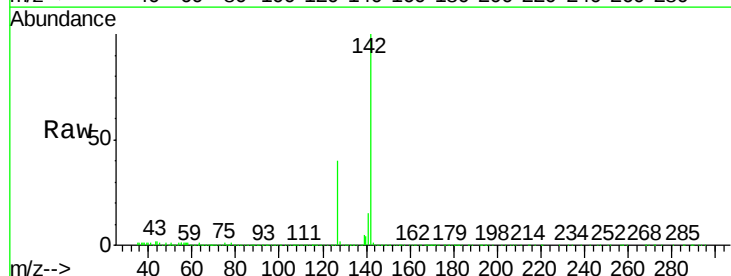
RT: 2.50 min Scan# 265

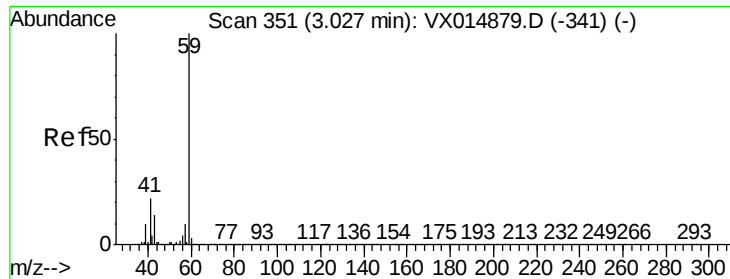
Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	142	Resp:	68446
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.1	46.7
141	15.0	11.3	16.9





#11

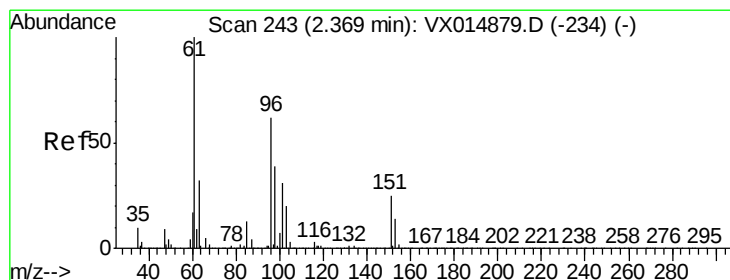
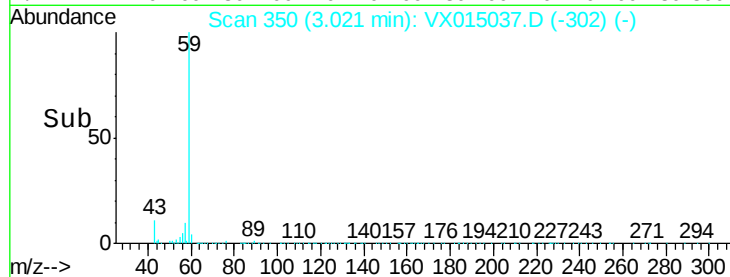
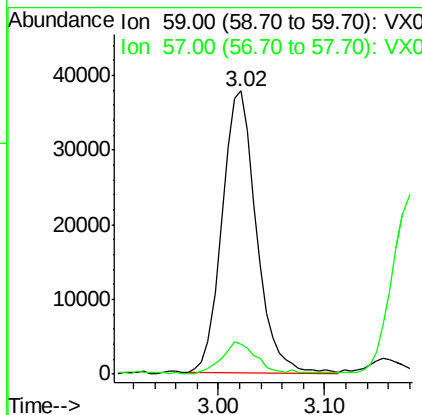
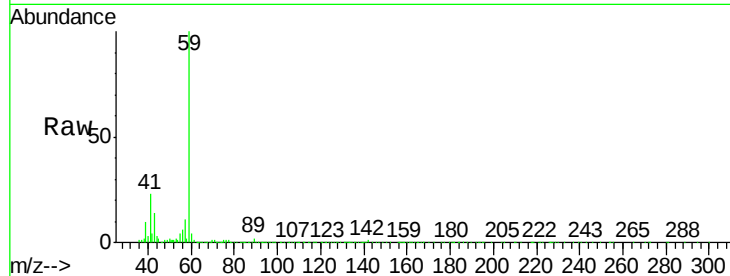
Tert butyl alcohol
Concen: 104.289 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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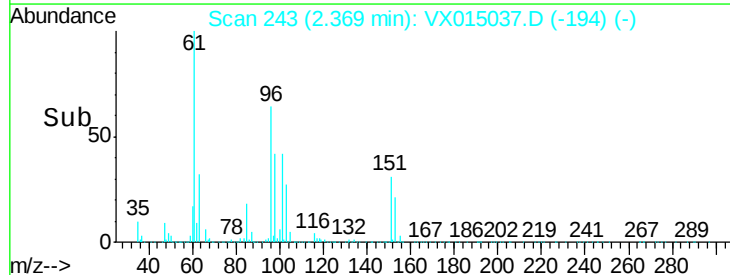
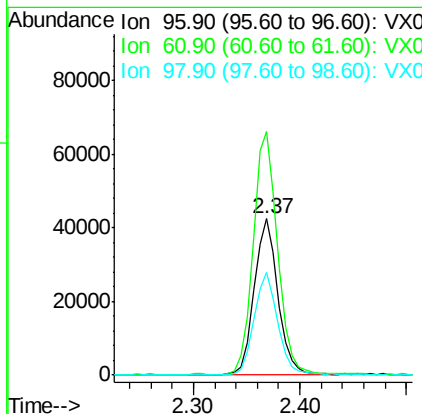
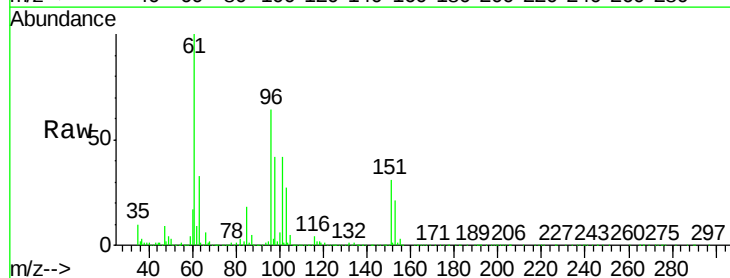
MMDadoda
2/28/2020 11:28:52 AM

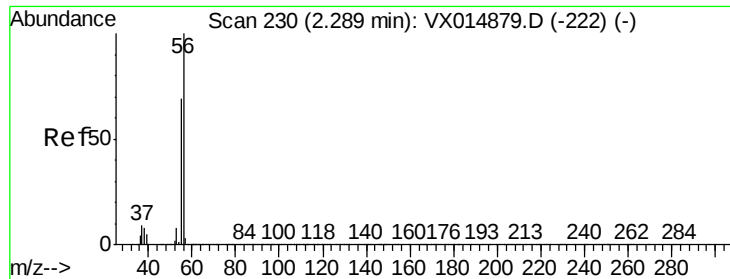


#12

1,1-Dichloroethene
Concen: 17.715 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	129.5	194.3
98	65.7	50.6	76.0





#13

Acrolein

Concen: 76.858 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 56 Resp: 47726

Ion Ratio Lower Upper

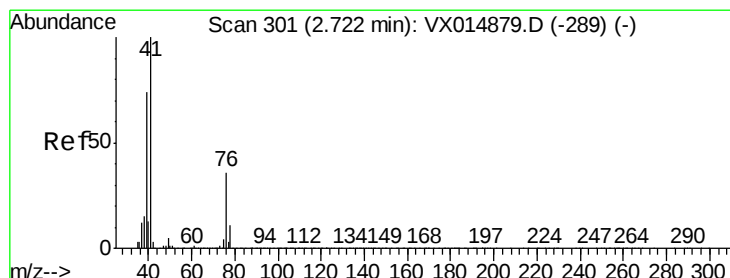
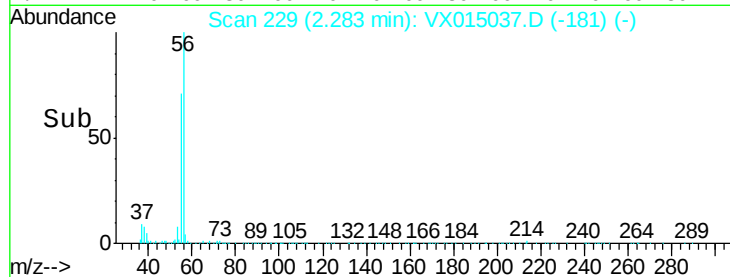
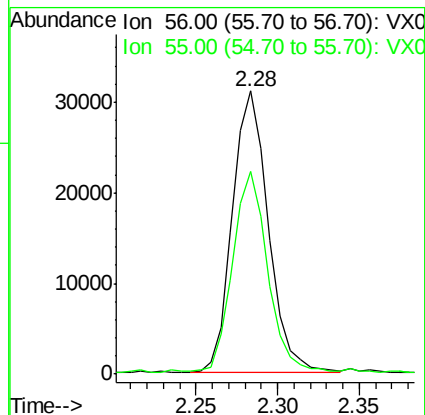
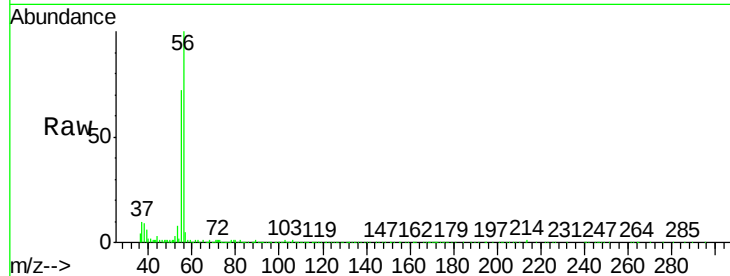
56 100

55 70.6 55.0 82.4

Manual Integrations
APPROVED

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2/28/2020 11:28:52 AM



#14

Allyl chloride

Concen: 18.490 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

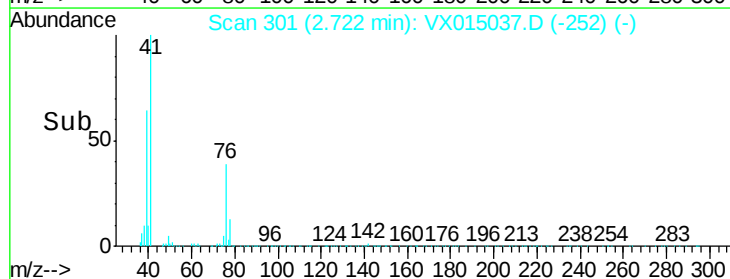
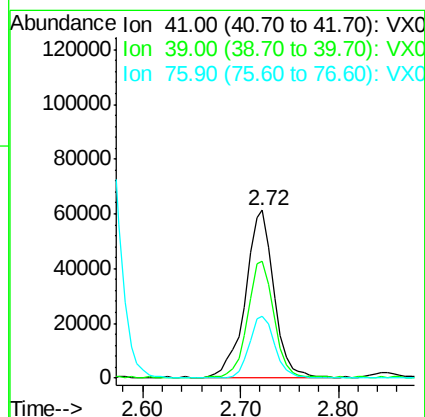
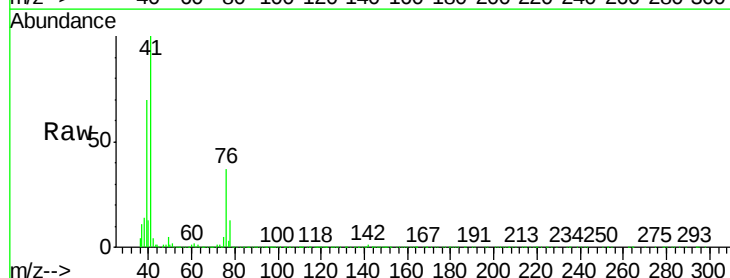
Tgt Ion: 41 Resp: 122857

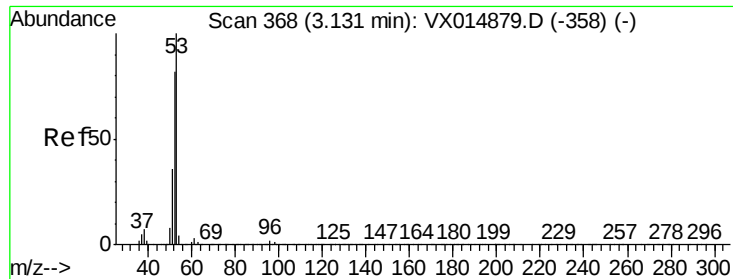
Ion Ratio Lower Upper

41 100

39 63.9 55.2 82.8

76 32.9 26.8 40.2





#15

Acrylonitrile

Concen: 106.436 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

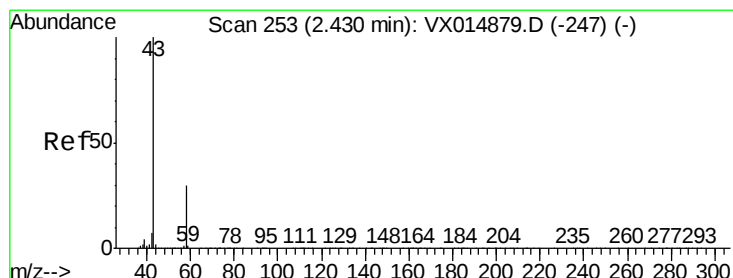
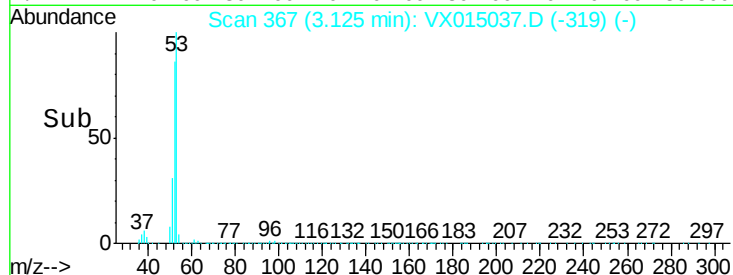
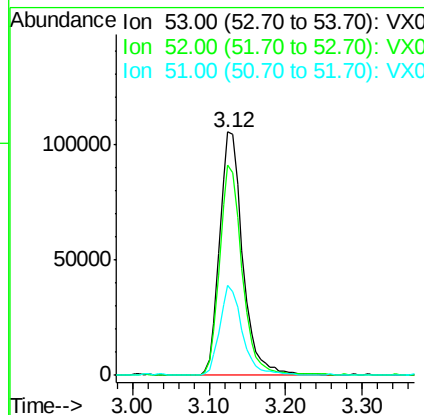
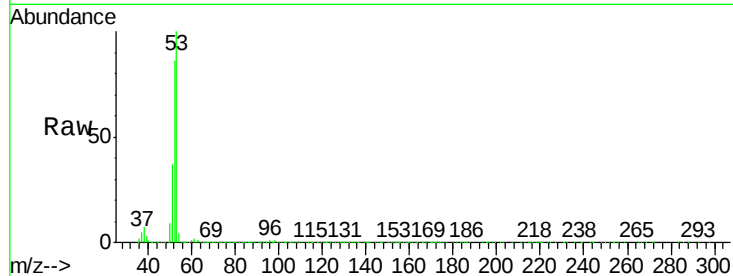
ClientSampleId :

VX0227WBSD02

Tot Ion:	53	Resp:	219837
Ion Ratio		Lower	Upper
53	100		
52	83.4	65.8	98.6
51	36.3	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 82.977 ug/l

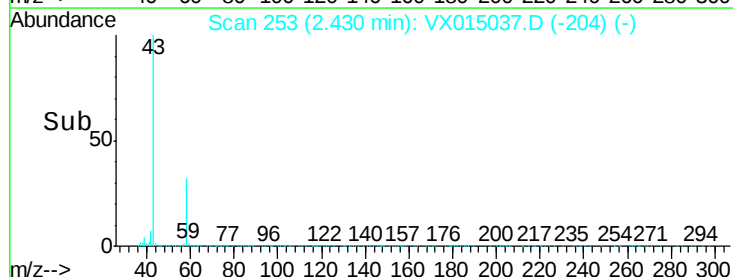
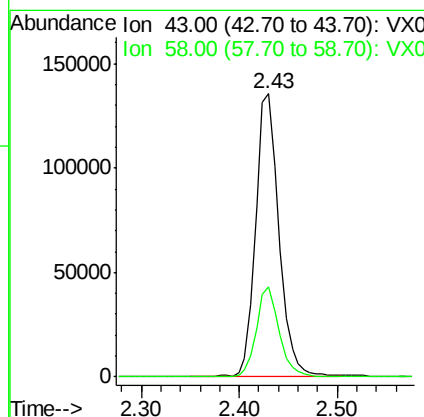
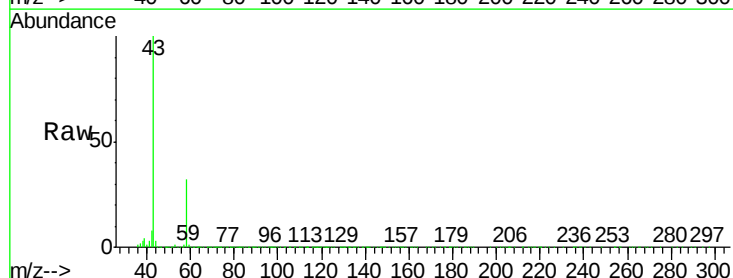
RT: 2.43 min Scan# 253

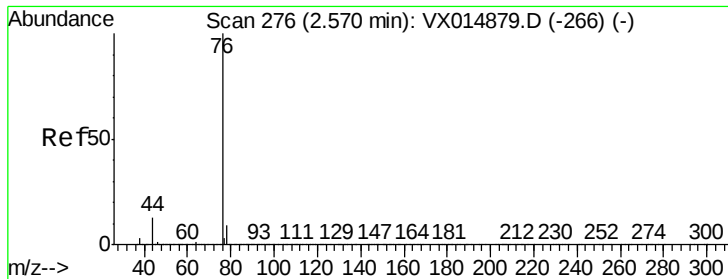
Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	43	Resp:	223775
Ion Ratio		Lower	Upper
43	100		
58	31.9	24.1	36.1





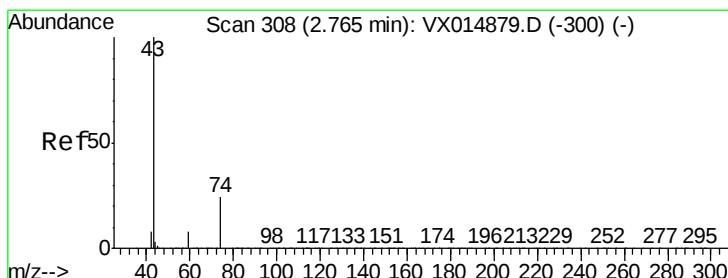
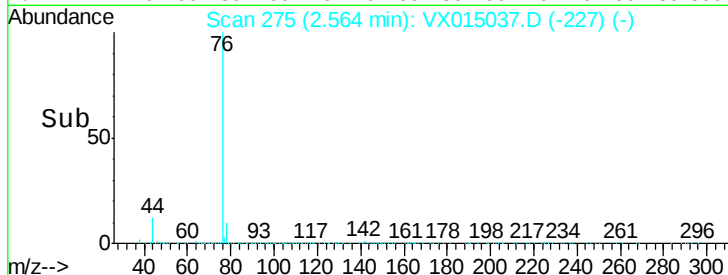
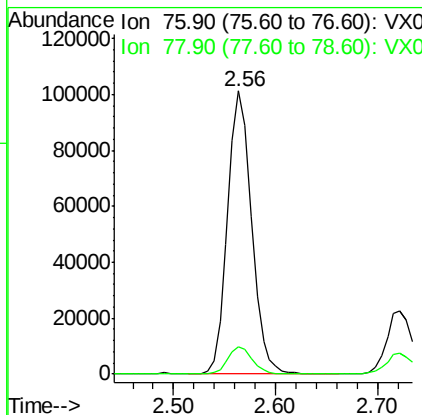
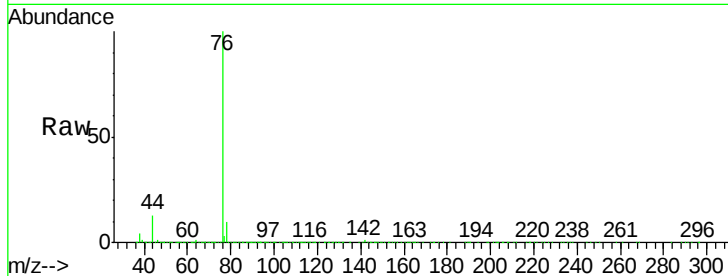
#17
Carbon Disulfide
Concen: 15.747 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

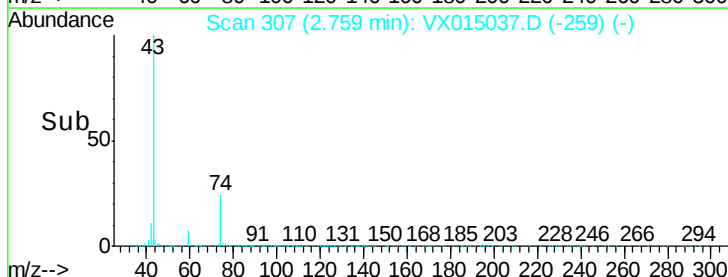
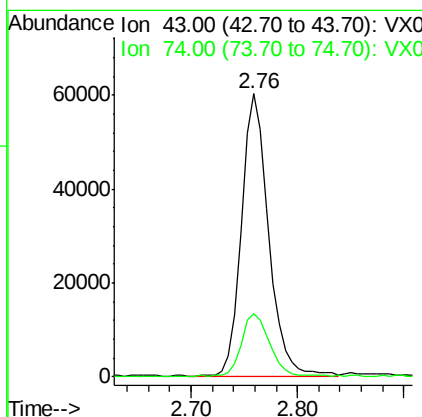
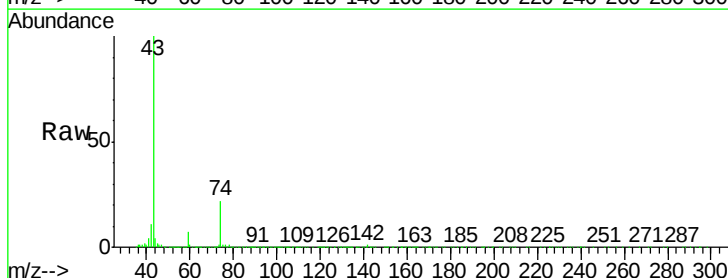
Manual Integrations
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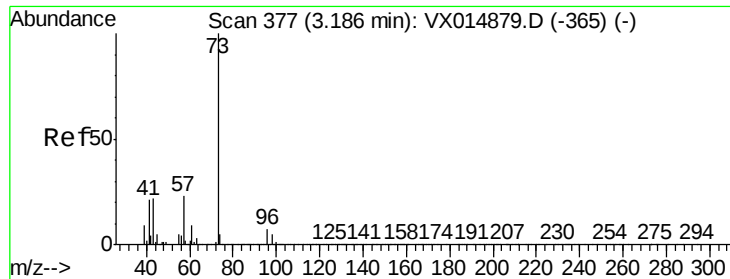
MMDadoda
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#18
Methyl Acetate
Concen: 23.125 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.0





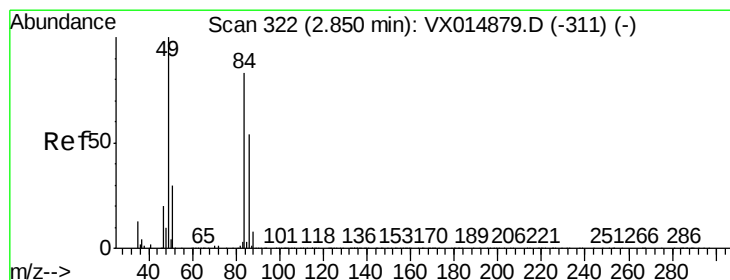
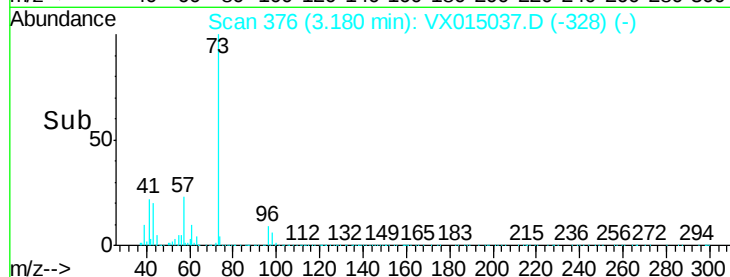
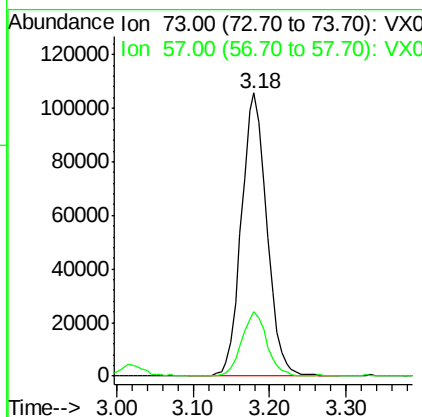
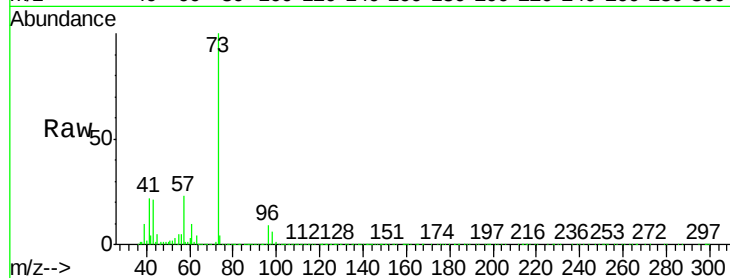
#19
Methvl tert-butvl Ether
Concen: 19.898 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

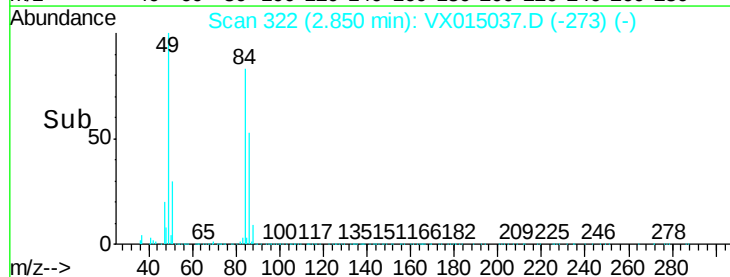
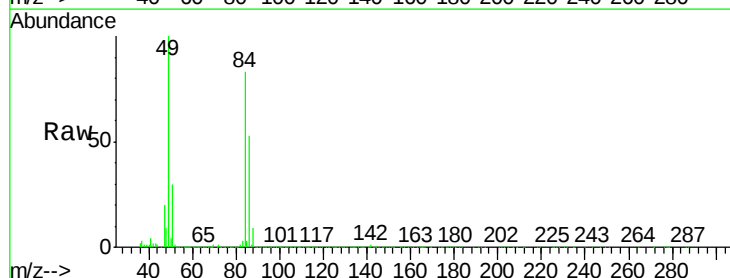
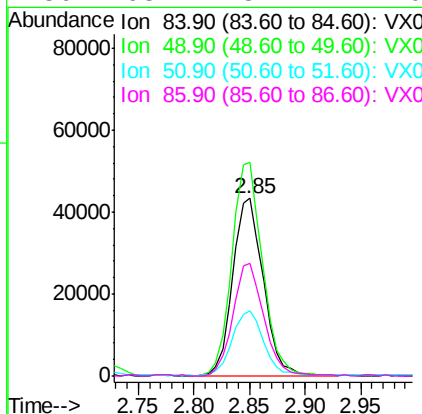
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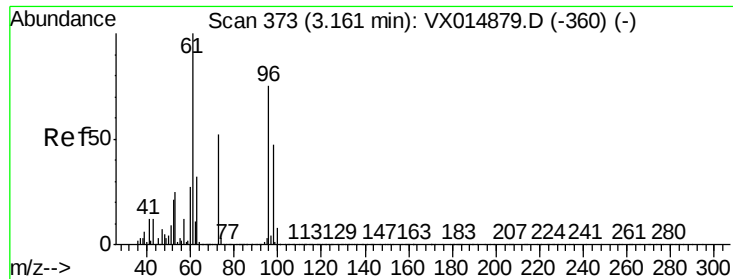
MMDadoda
2/28/2020 11:28:52 AM



#20
Methylene Chloride
Concen: 18.672 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.7	95.6	143.4
51	36.2	29.0	43.6
86	63.2	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.041 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

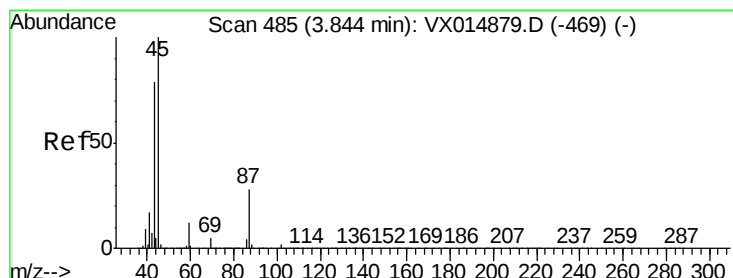
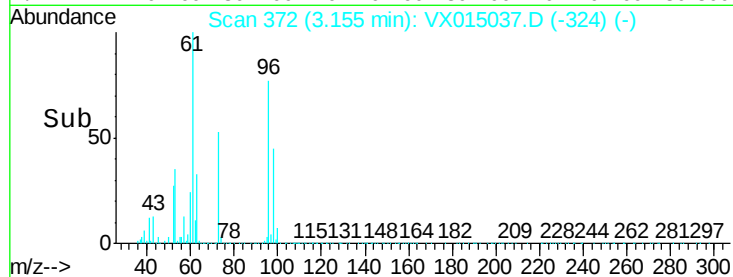
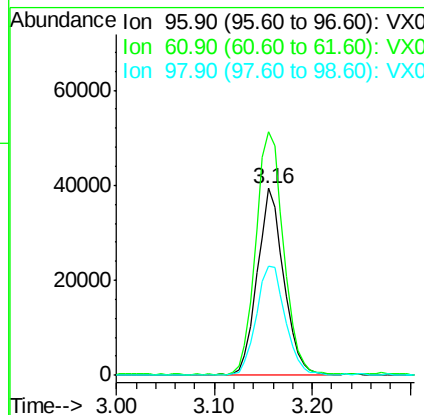
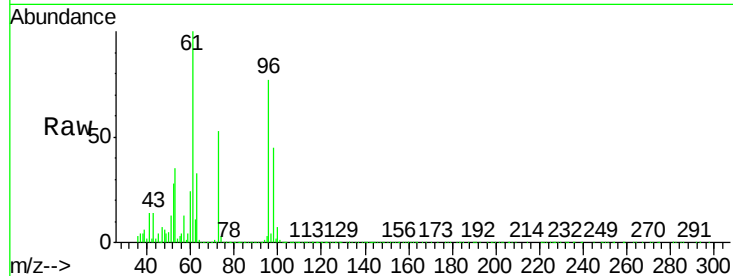
ClientSampleId :

VX0227WBSD02

Tot Ion:	96	Resp:	74605
Ion Ratio	Lower	Upper	
96	100		
61	130.0	106.9	160.3
98	58.6	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.460 ug/l

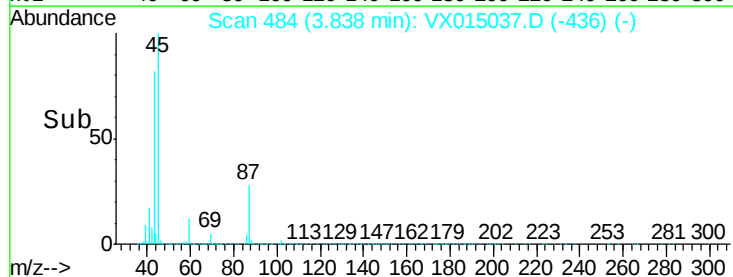
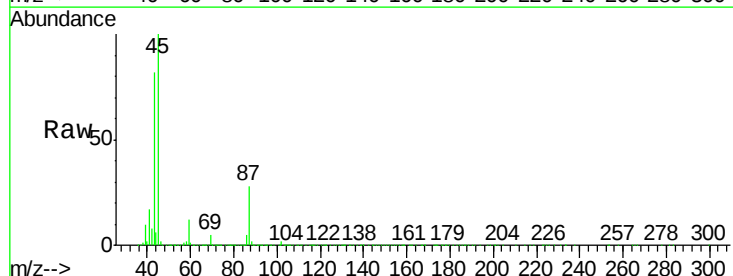
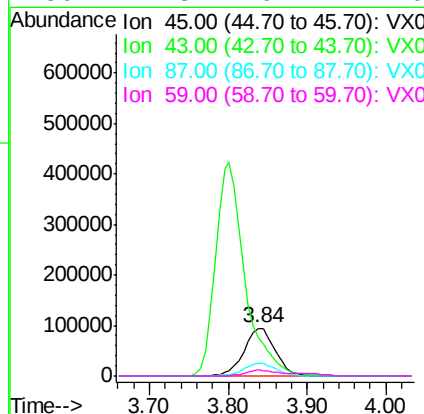
RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	45	Resp:	259647
Ion Ratio	Lower	Upper	
45	100		
43	81.1	63.5	95.3
87	28.0	22.2	33.4
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 104.867 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 43 Resp: 1097070

Ion Ratio Lower Upper

43 100

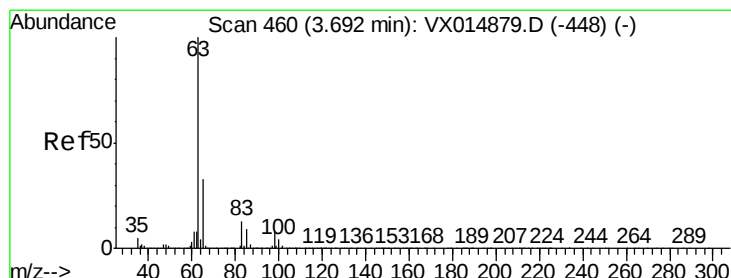
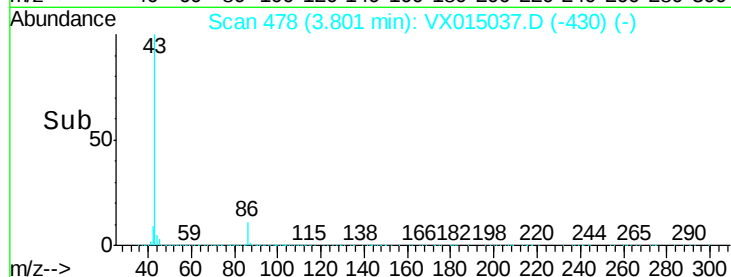
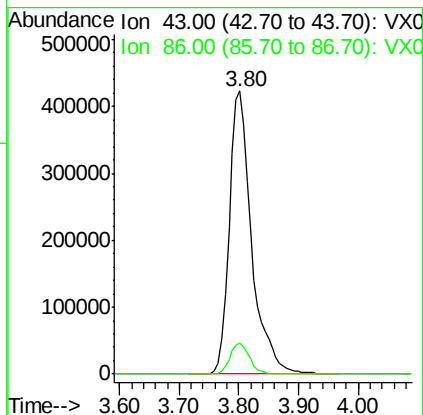
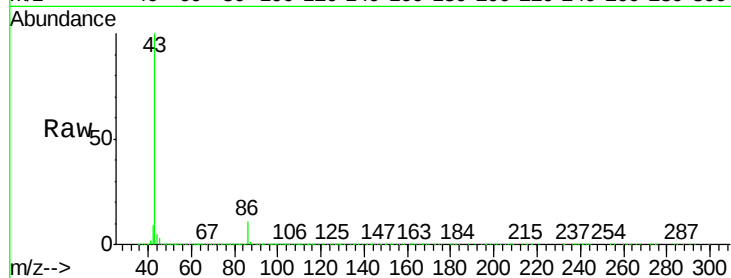
86 10.9 8.9 13.3

Manual Integrations

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2/28/2020 11:28:52 AM



#24

1,1-Dichloroethane

Concen: 18.902 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

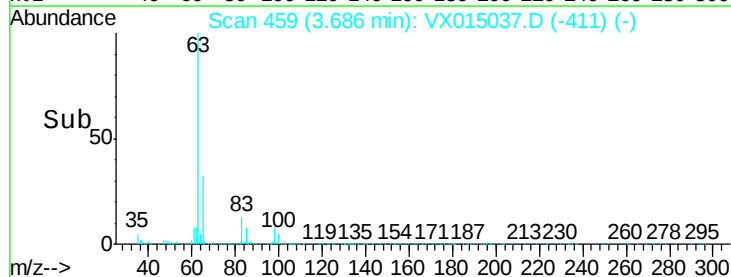
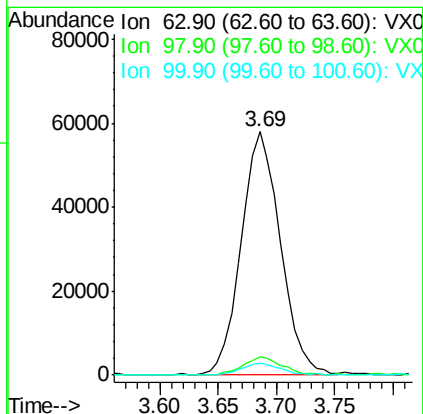
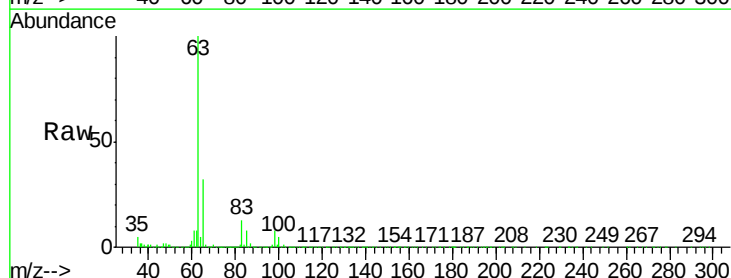
Tgt Ion: 63 Resp: 135382

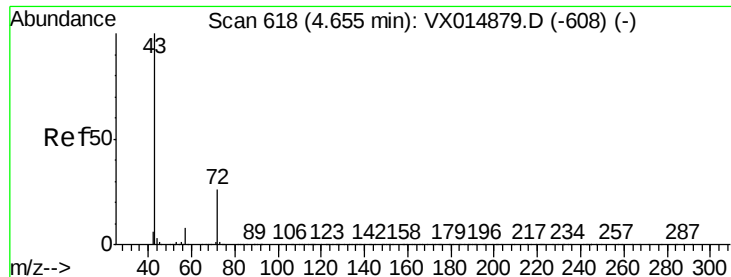
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 100.285 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 43 Resp: 315045

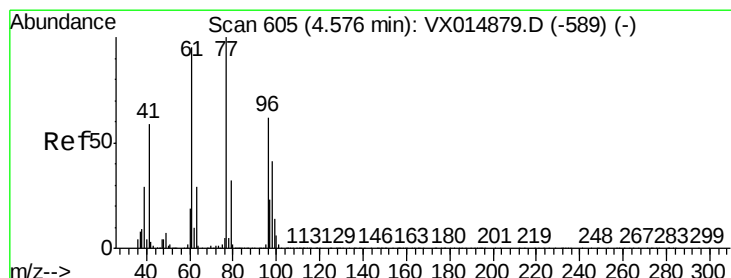
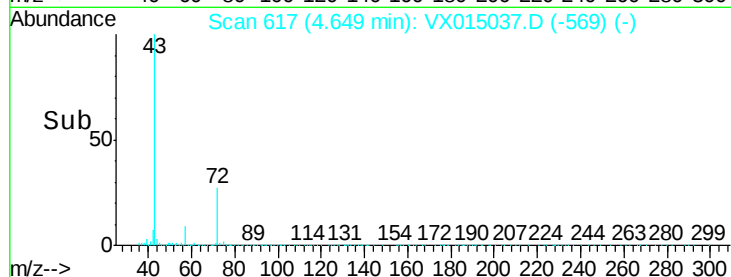
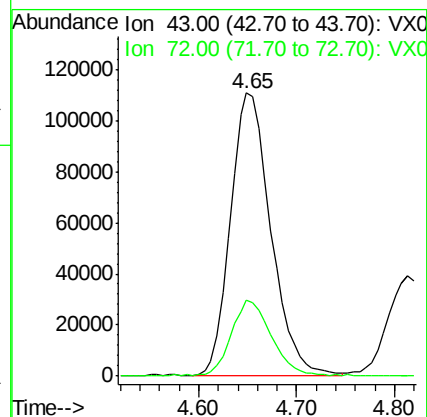
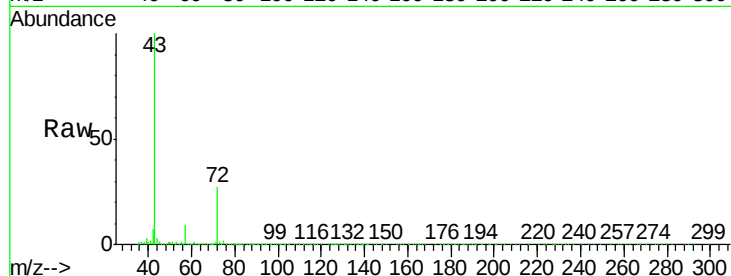
Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.6

Manual Integrations
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2/28/2020 11:28:52 AM



#26

2,2-Dichloropropane

Concen: 17.751 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015037.D

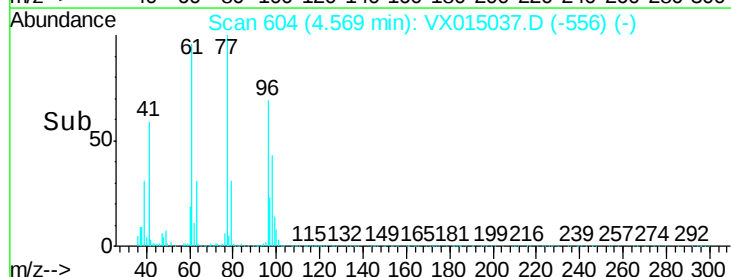
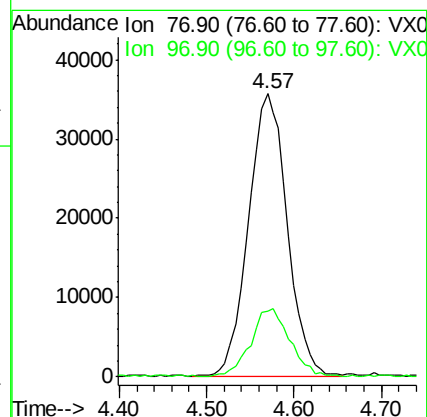
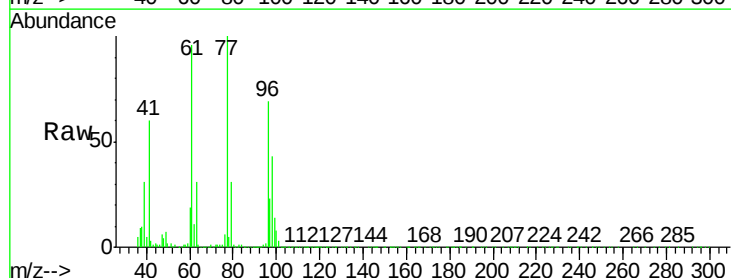
Acq: 27 Feb 2020 11:06

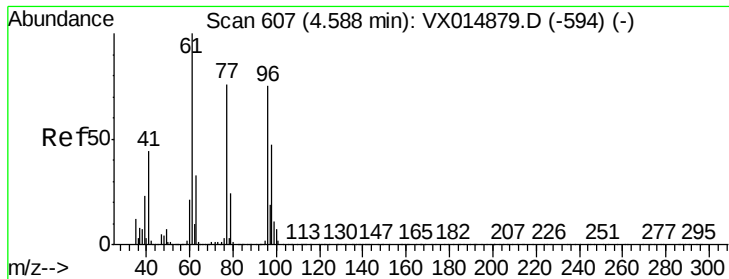
Tgt Ion: 77 Resp: 109567

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5





#27

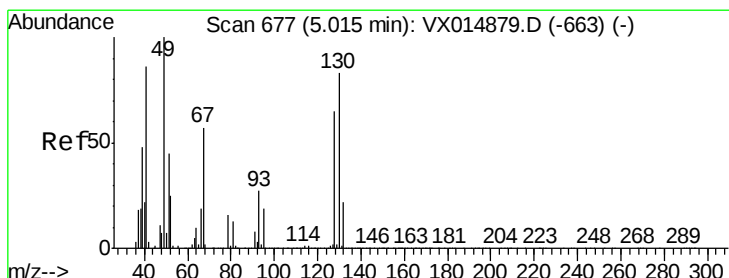
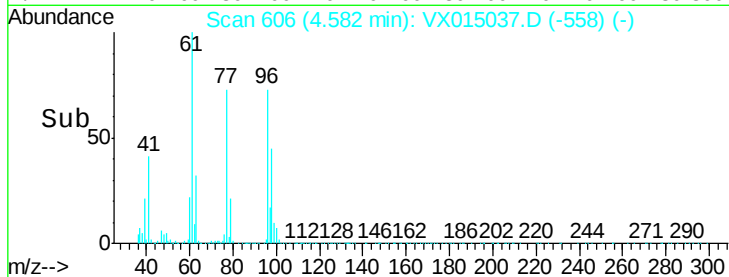
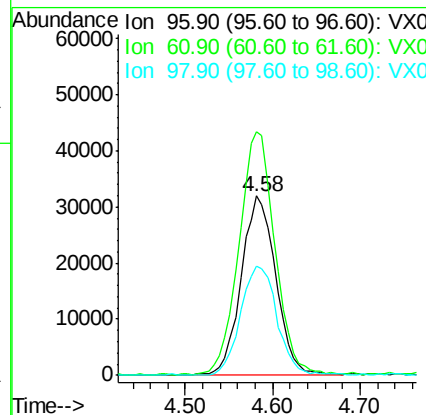
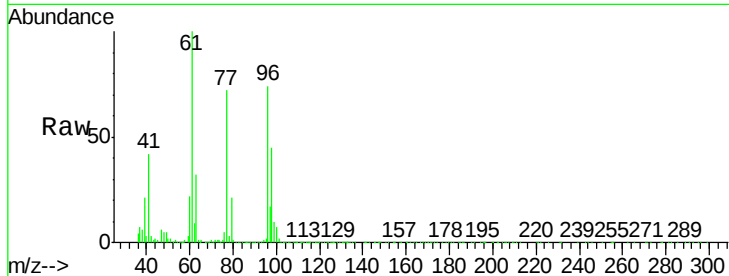
cis-1,2-Dichloroethene
Concen: 19.053 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	286.2	
98	64.4	0.0	131.0	

Manual Integrations
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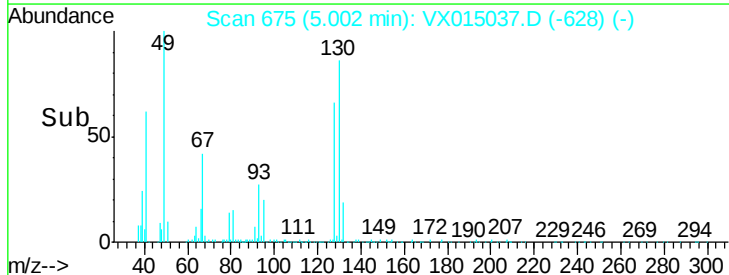
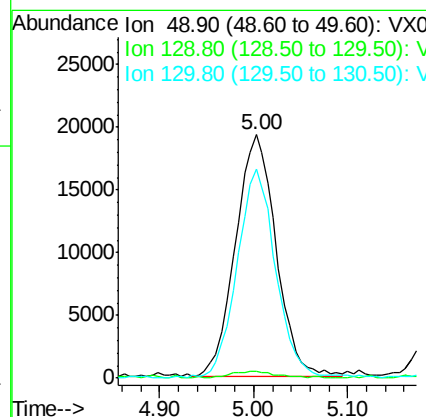
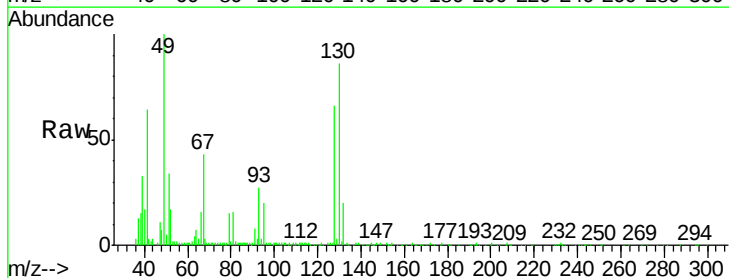
MMDadoda
2/28/2020 11:28:52 AM

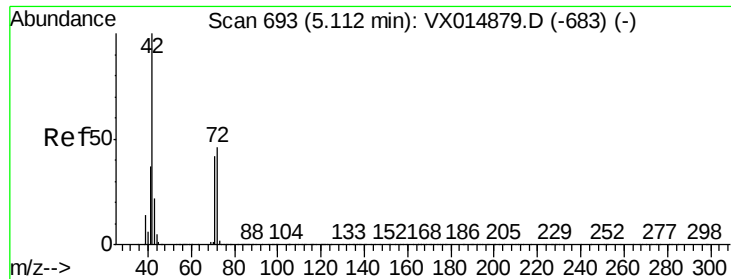


#28

Bromochloromethane
Concen: 20.783 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	5.2	
130	83.3	67.4	101.2	





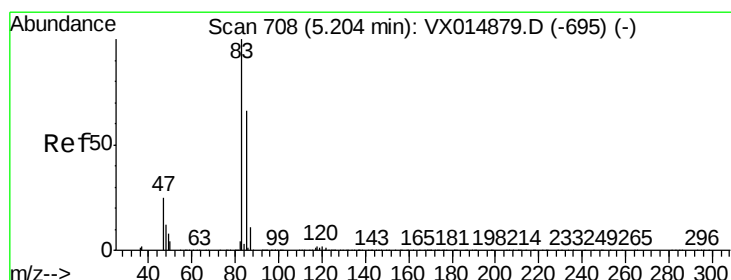
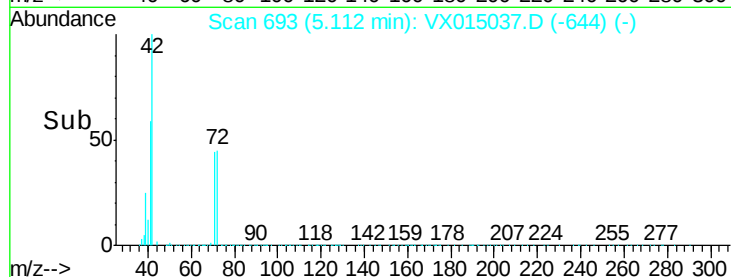
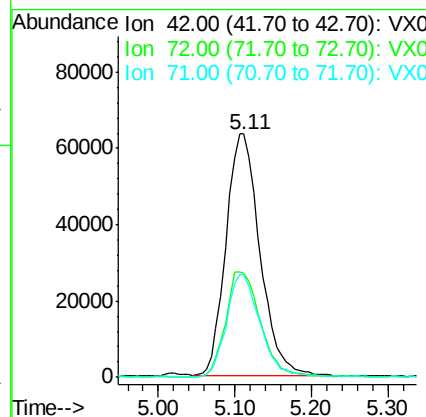
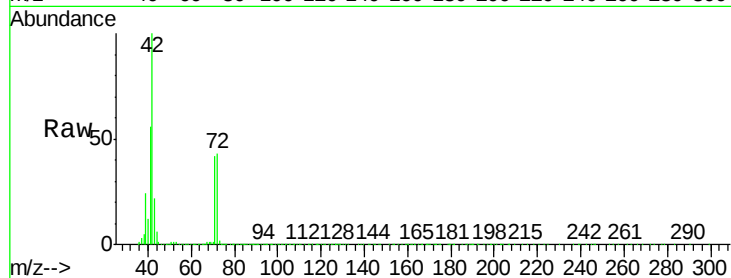
#29
Tetrahydrofuran
Concen: 109.147 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	194919		
72	72	44.5		36.9	55.3
71	71	41.3		34.1	51.1

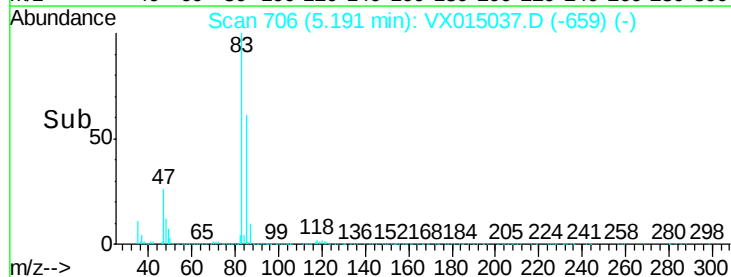
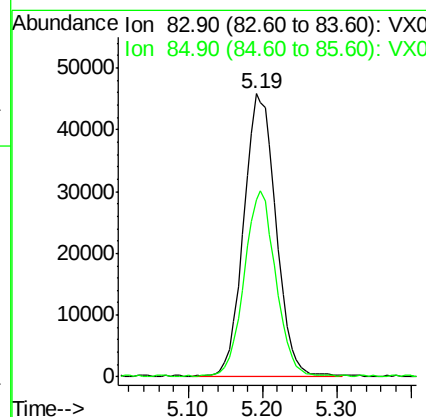
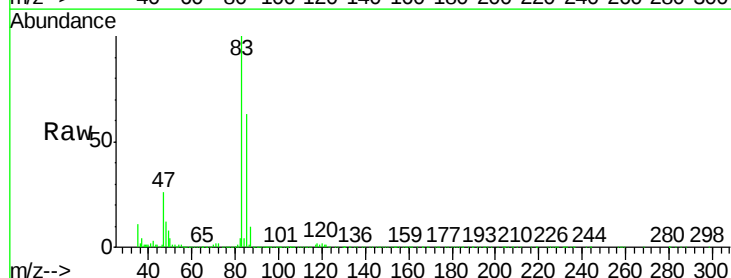
Manual Integrations
APPROVED

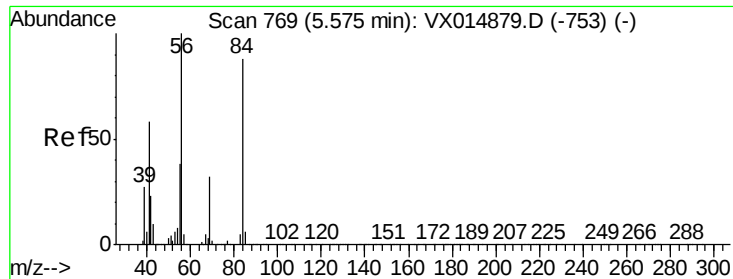
MMDadoda
2/28/2020 11:28:52 AM



#30
Chloroform
Concen: 19.535 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	138817		
85	85	62.4		52.9	79.3





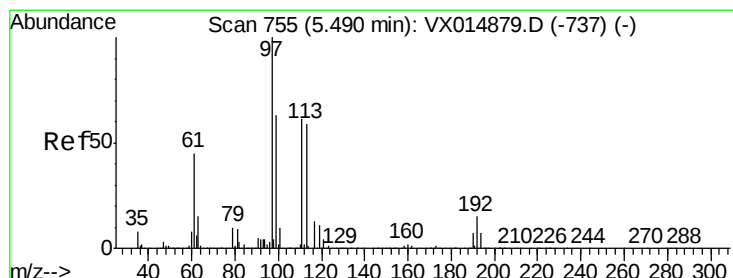
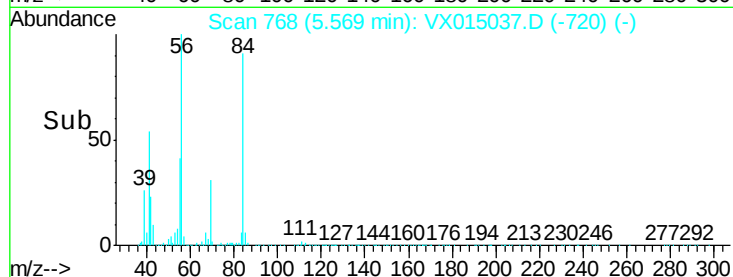
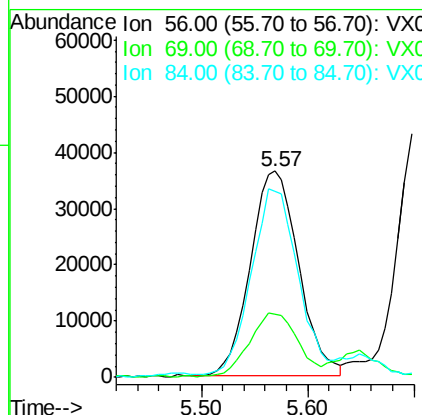
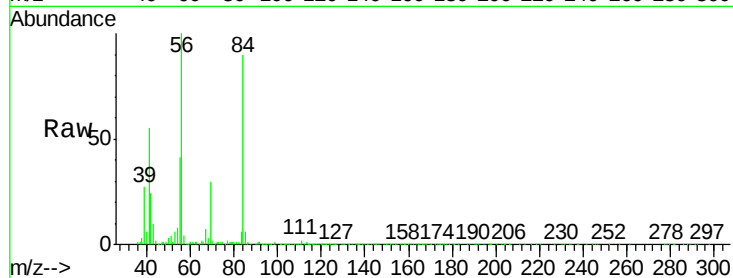
#31
Cyclohexane
Concen: 17.748 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.9	38.9
84	89.2	70.4	105.6

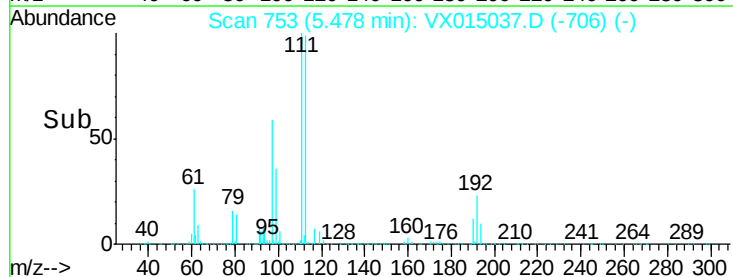
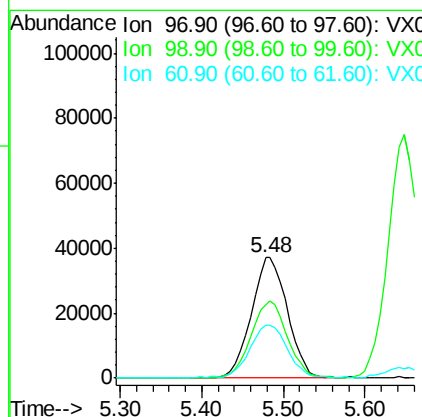
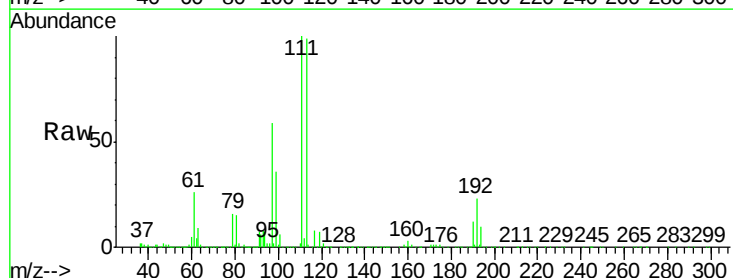
Manual Integrations
APPROVED

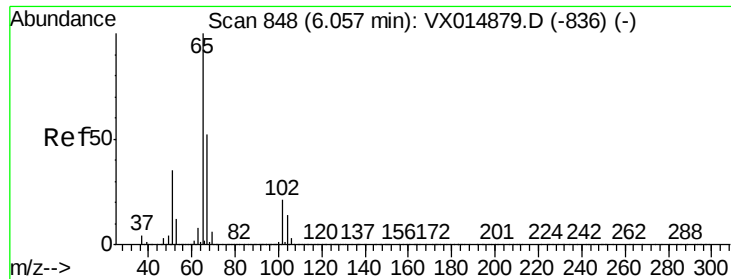
MMDadoda
2/28/2020 11:28:52 AM



#32
1,1,1-Trichloroethane
Concen: 18.270 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	45.3	36.3	54.5





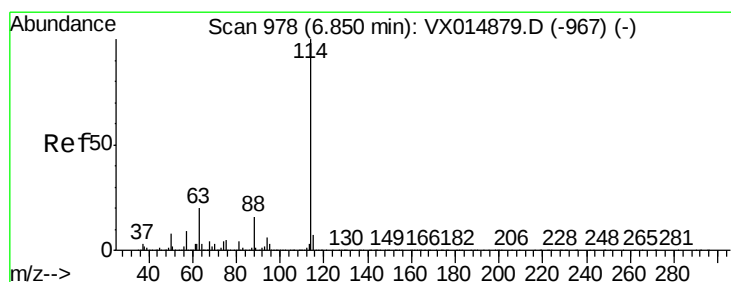
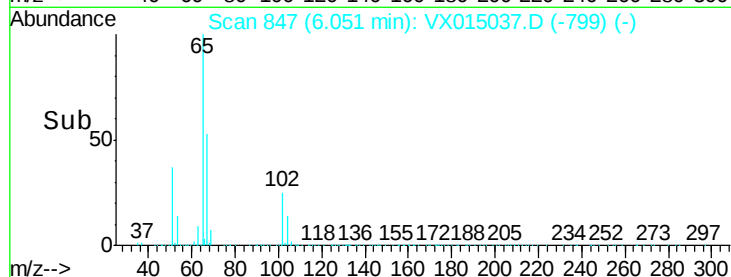
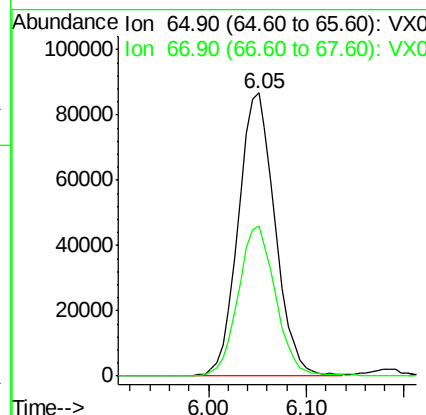
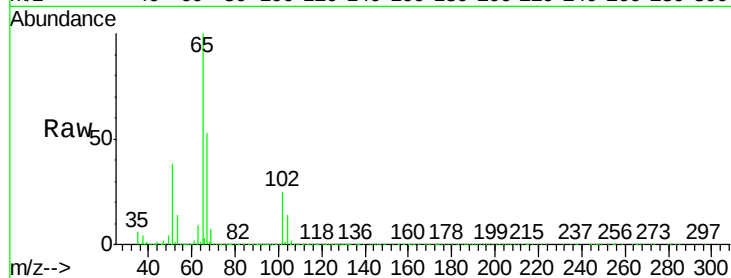
#33
 1,2-Dichloroethane-d4
 Concen: 48.583 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224184		
67	54.1	0.0	103.0	

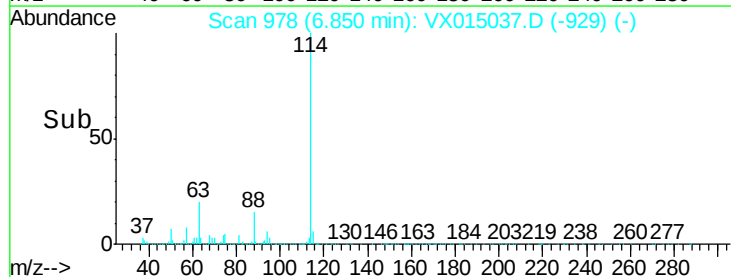
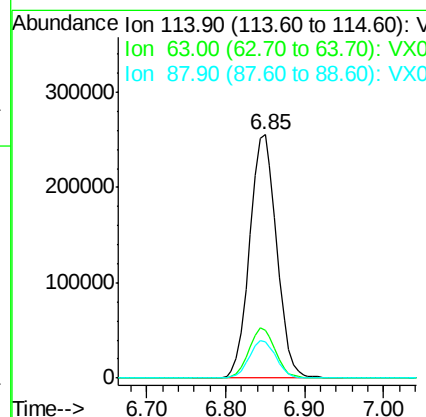
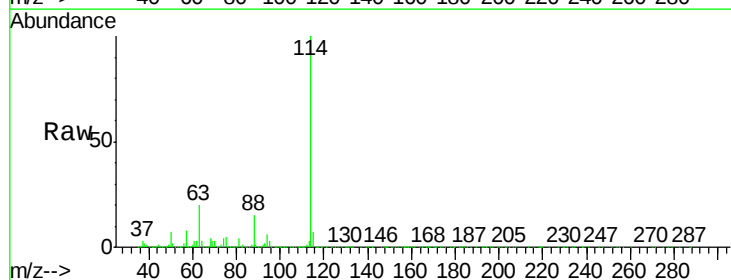
Manual Integrations
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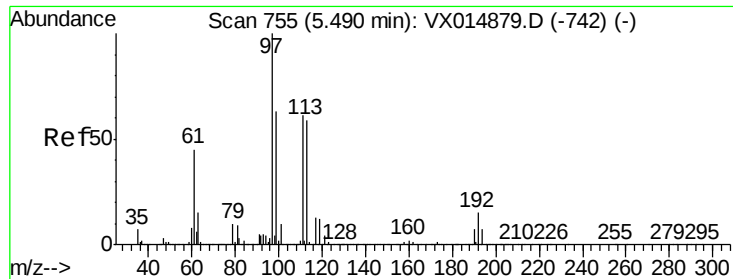
MMDadoda
 2/28/2020 11:28:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	606775		
63	19.6	0.0	39.2	
88	15.1	0.0	32.0	





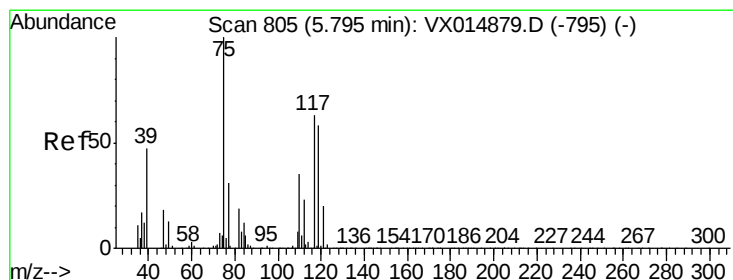
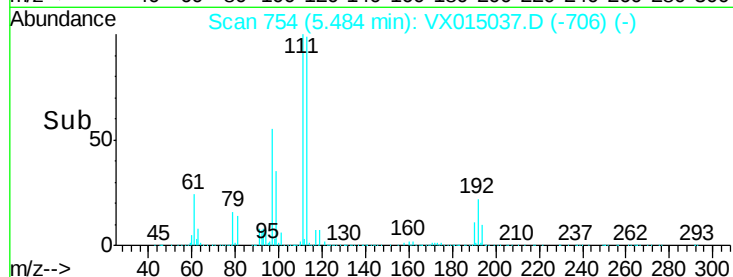
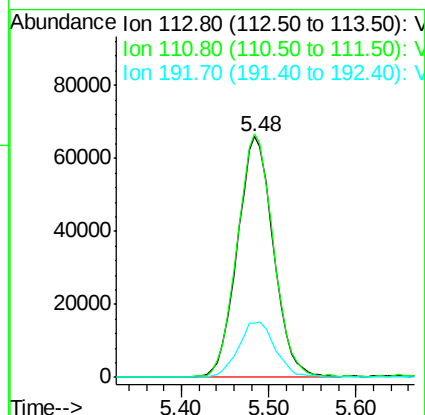
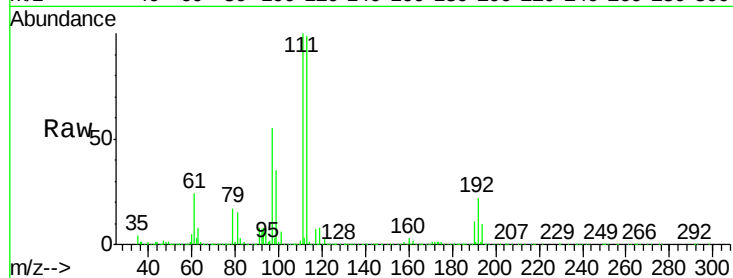
#35
Dibromofluoromethane
Concen: 50.410 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188044		
111	101.5	82.4	123.6	
192	23.8	19.1	28.7	

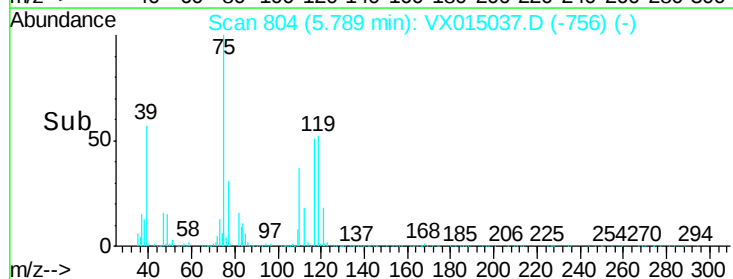
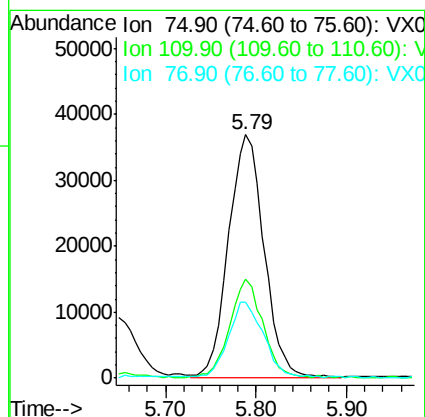
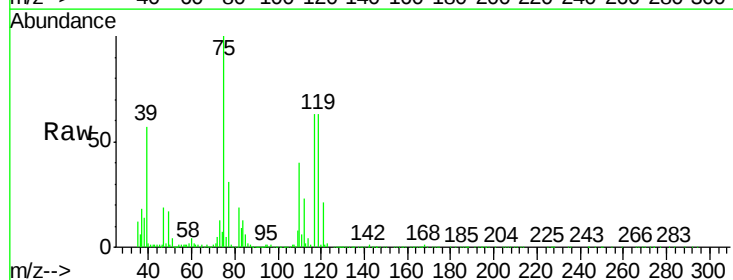
Manual Integrations
APPROVED

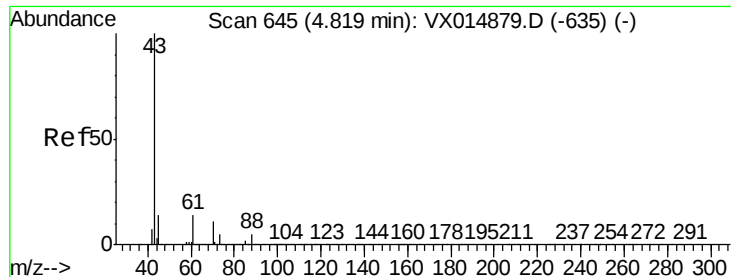
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#36
1,1-Dichloropropene
Concen: 18.336 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99524		
110	38.5	18.3	54.8	
77	30.6	24.6	36.8	





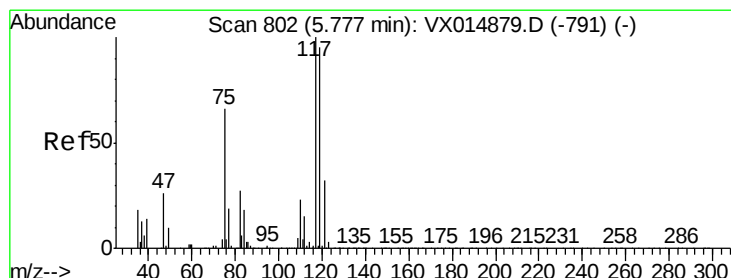
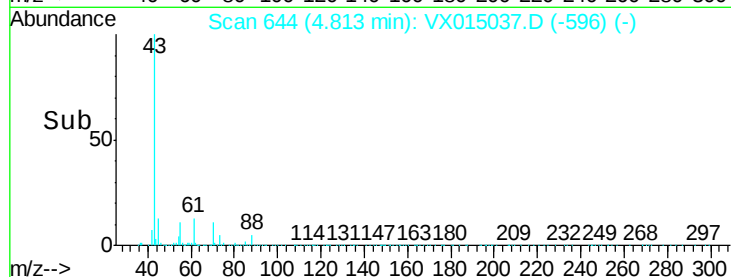
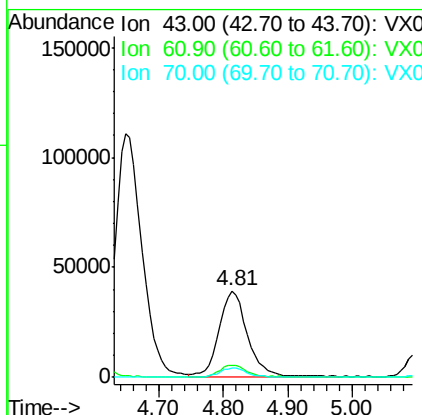
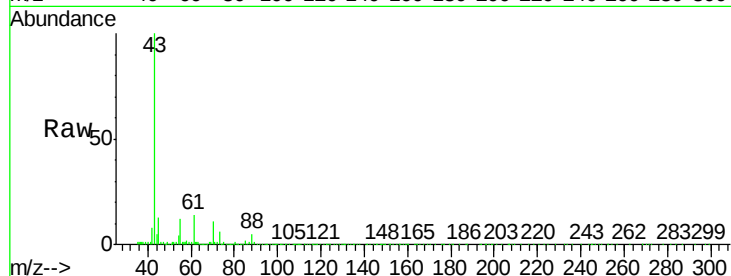
#37
Ethyl Acetate
Concen: 21.292 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.9	8.7	13.1

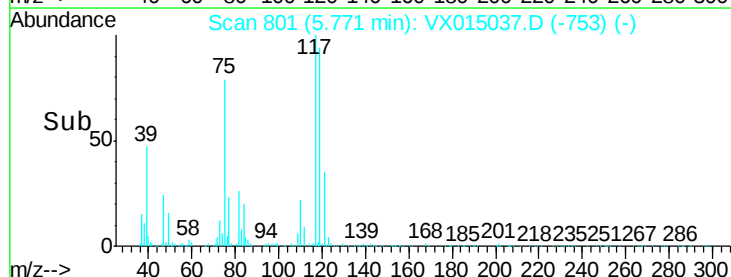
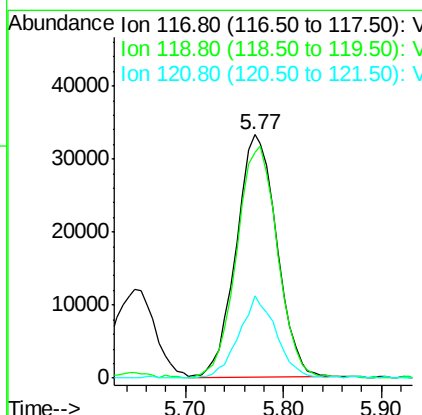
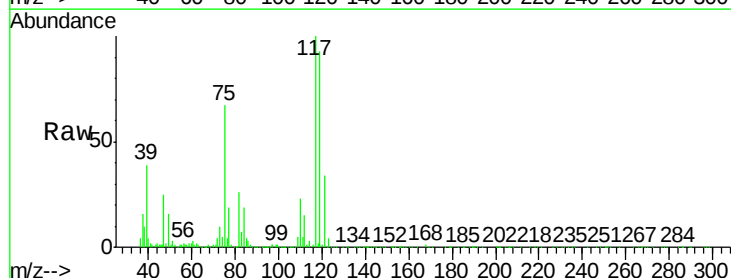
Manual Integrations
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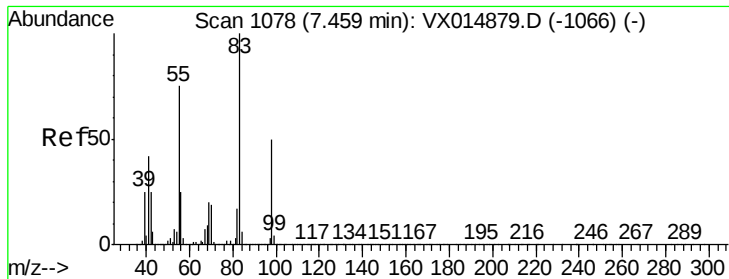
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#38
Carbon Tetrachloride
Concen: 18.117 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.0	114.0
121	33.7	25.4	38.2





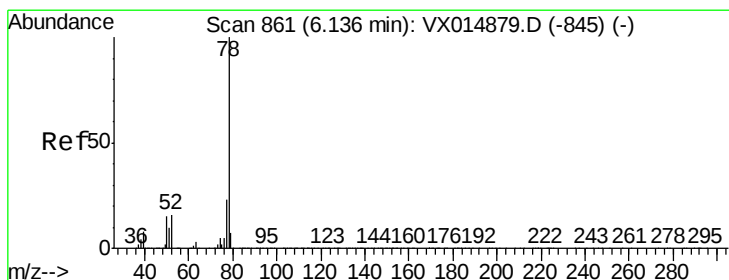
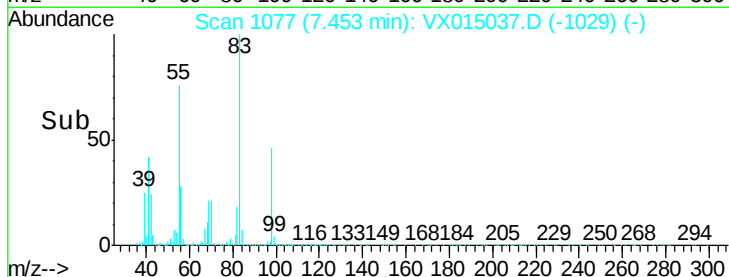
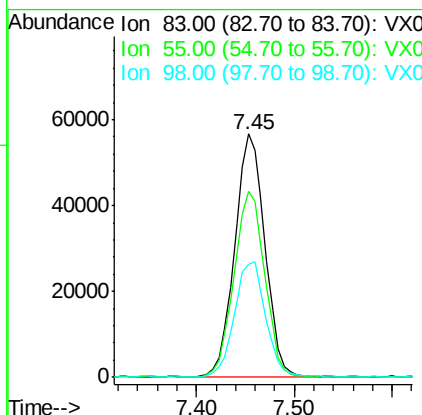
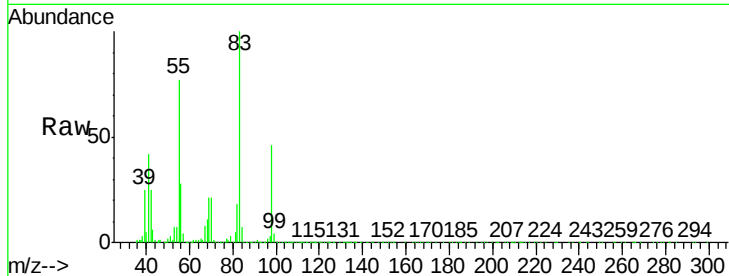
#39
Methvlcvclohexane
Concen: 17.830 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	121034		
55	76.3	60.0	90.0	
98	46.3	39.6	59.4	

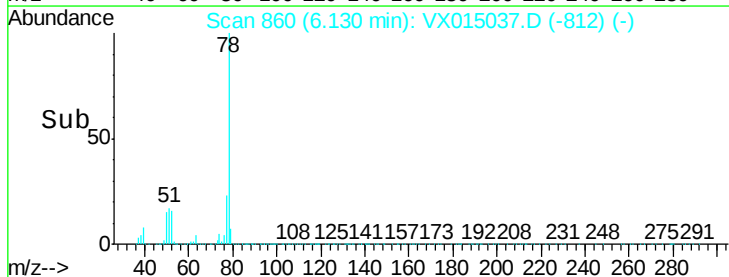
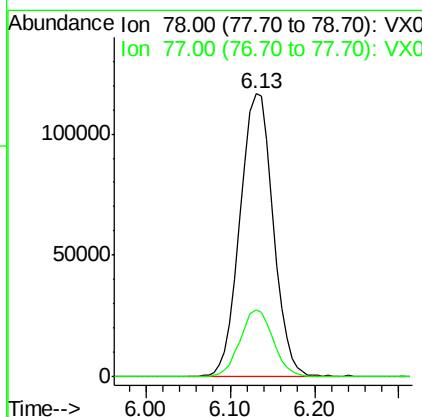
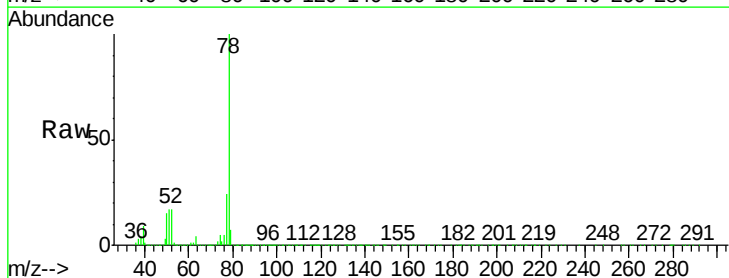
Manual Integrations
APPROVED

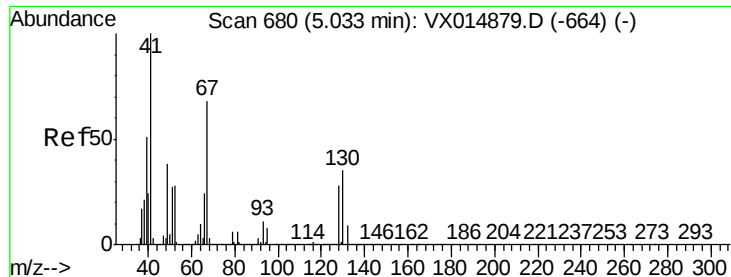
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#40
Benzene
Concen: 19.132 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	310272		
77	23.6	18.8	28.2	





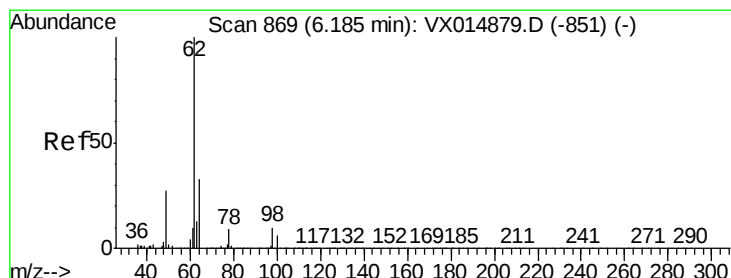
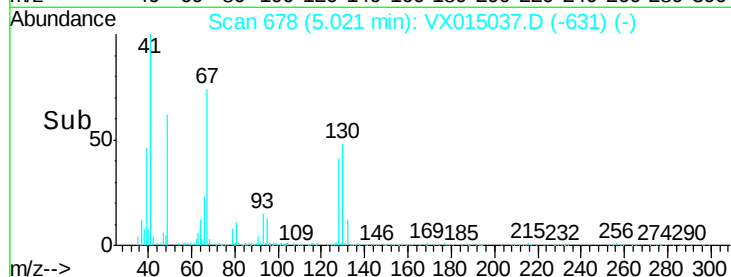
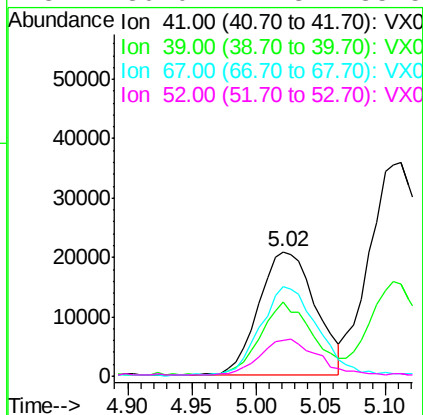
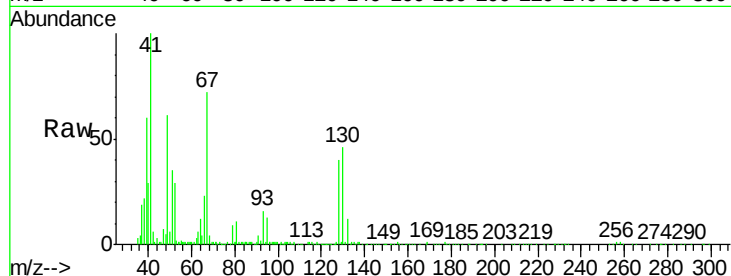
#41
Methacrylonitrile
Concen: 20.866 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.7	67.1
67	71.9	56.6	84.8
52	30.0	22.3	33.5

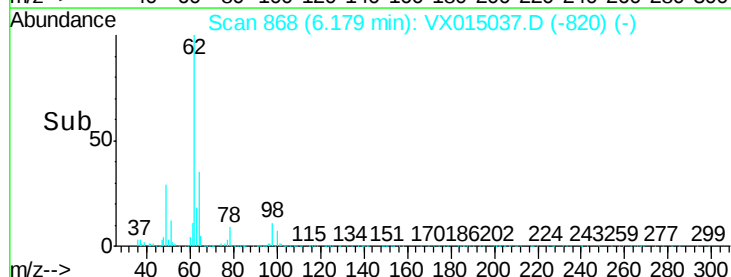
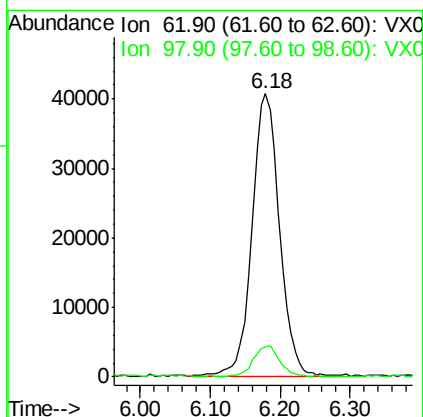
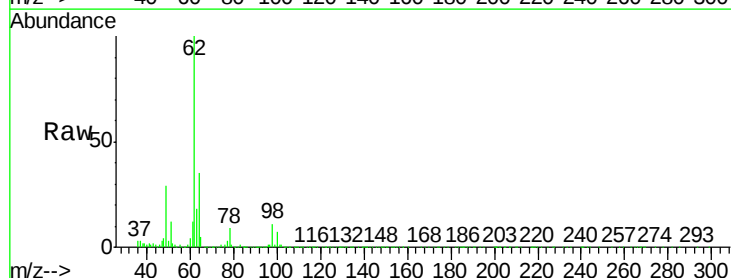
Manual Integrations
APPROVED

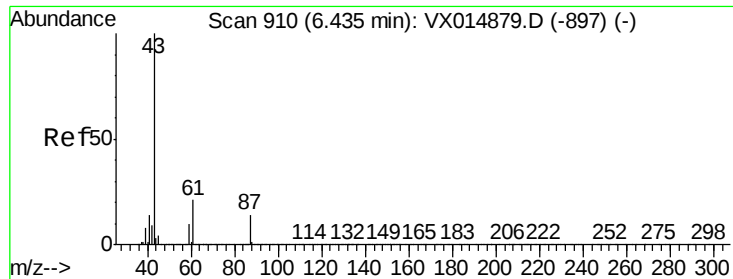
MMDadoda
2/28/2020 11:28:52 AM



#42
1,2-Dichloroethane
Concen: 18.745 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.2





#43

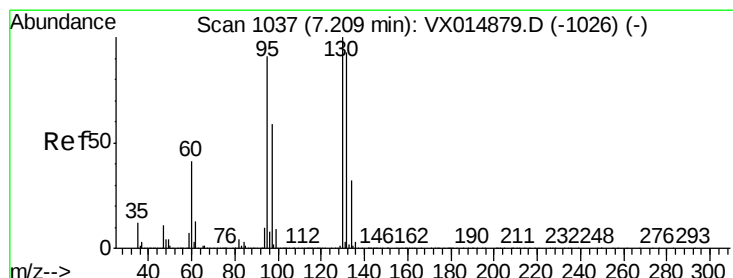
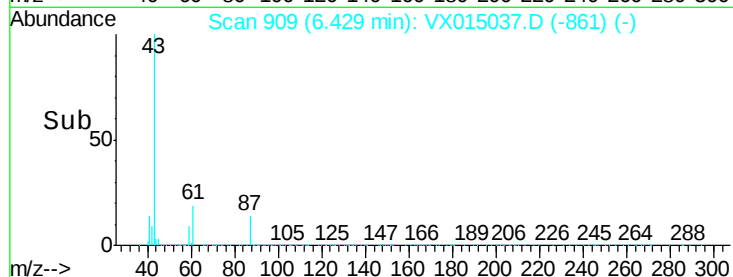
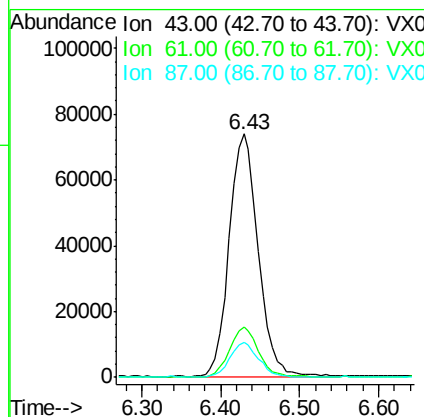
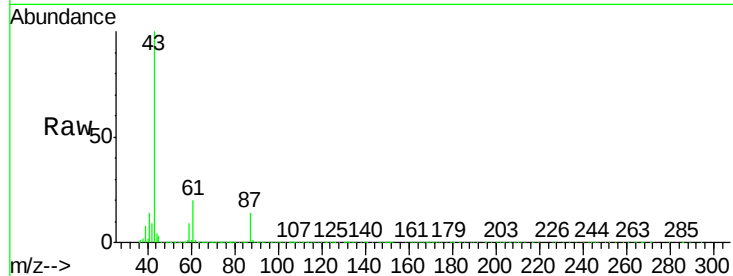
Isopropyl Acetate
 Concen: 20.129 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0227WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		187976		
61	21.3	16.2		24.4	
87	14.1	11.0		16.6	

Manual Integrations
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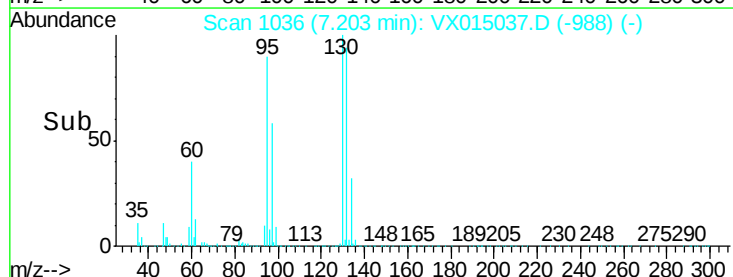
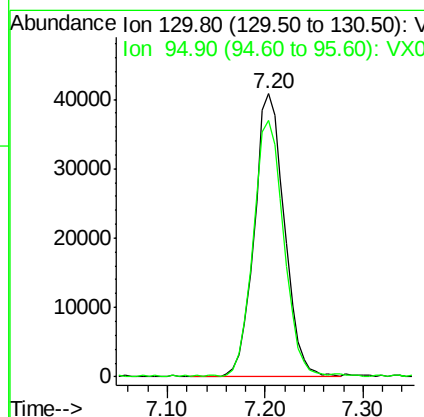
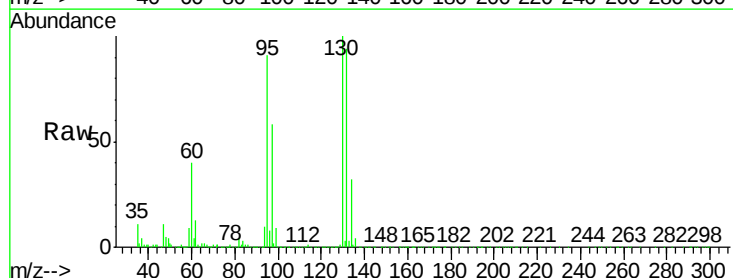
MMDadoda
 2/28/2020 11:28:52 AM

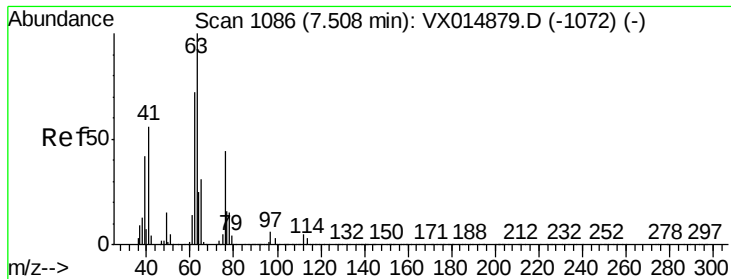


#44

Trichloroethene
 Concen: 18.551 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	100		87337		
95	90.6	0.0	182.6		





#45

1,2-Dichloropropane

Concen: 19.737 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 63 Resp: 81632

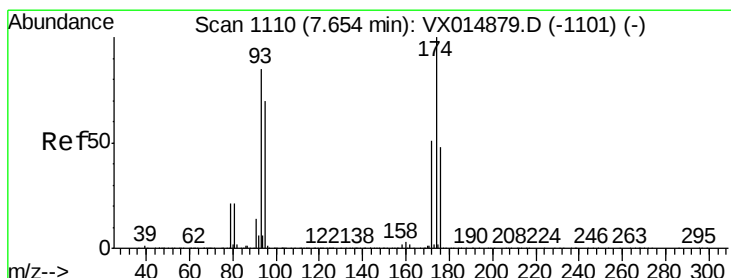
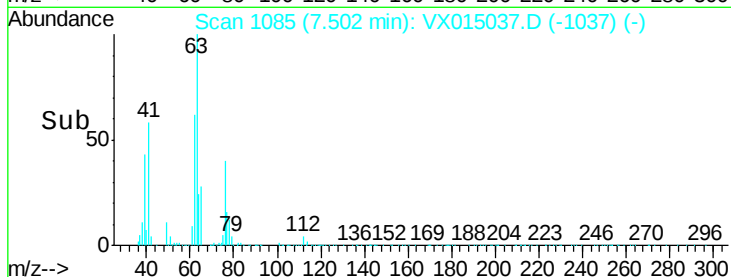
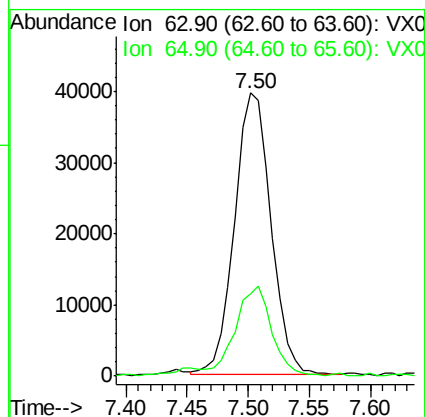
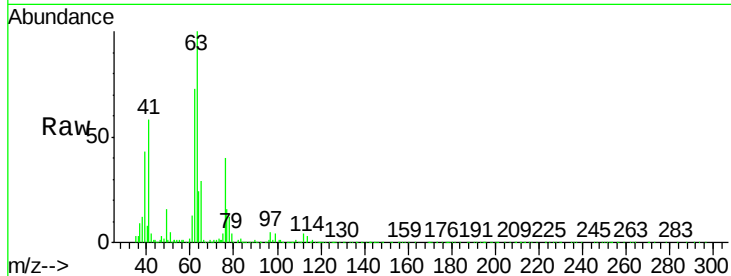
Ion Ratio Lower Upper

63 100

65 28.5 24.9 37.3

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#46

Dibromomethane

Concen: 19.682 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

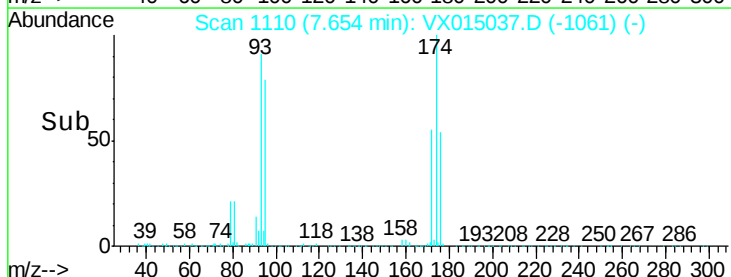
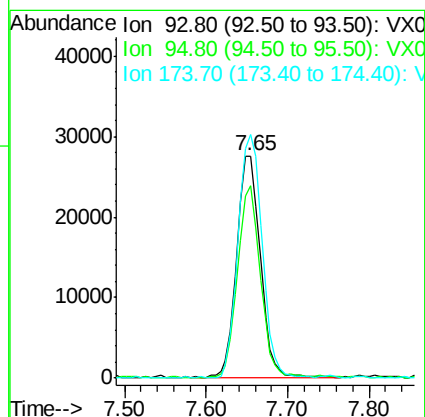
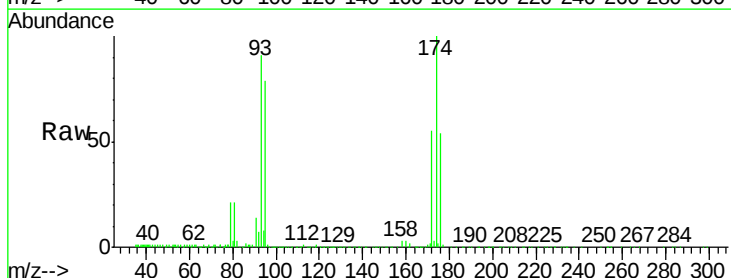
Tgt Ion: 93 Resp: 55643

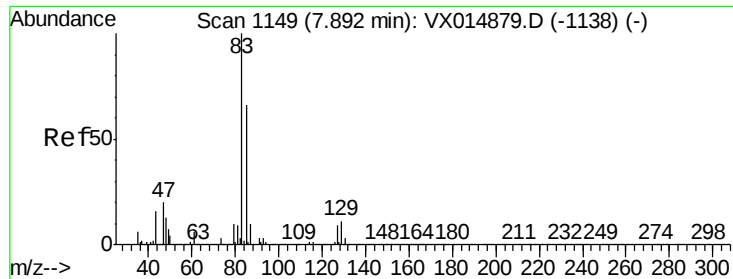
Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.8

174 111.0 95.4 143.2





#47

Bromodichloromethane

Concen: 19.005 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

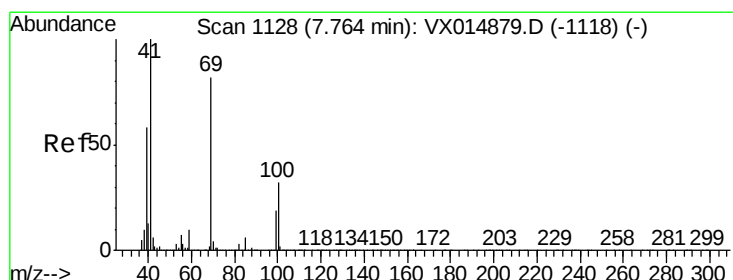
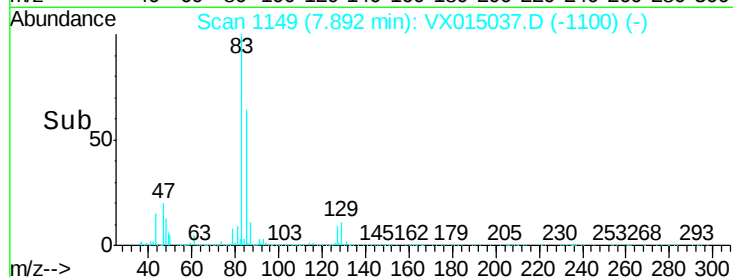
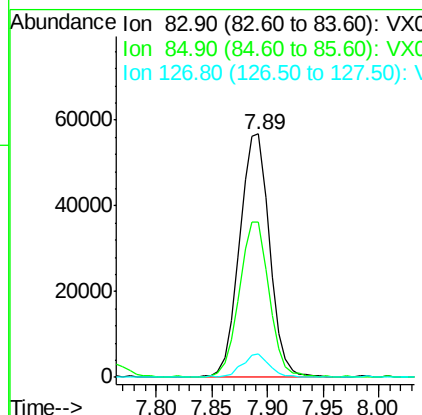
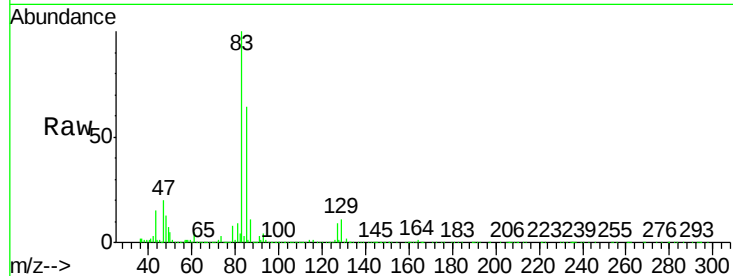
ClientSampleId :

VX0227WBSD02

Tot Ion:	83	Resp:	106534
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.5	78.7
127	9.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.999 ug/l

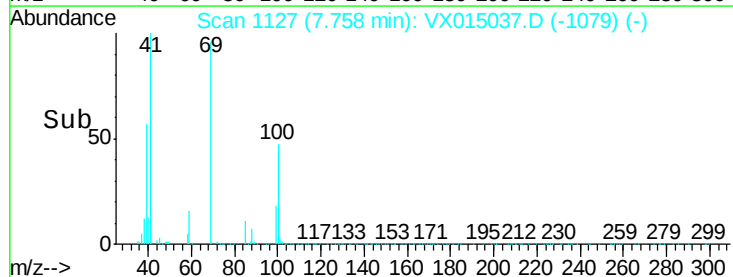
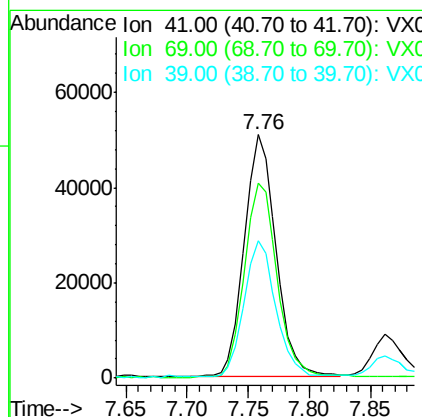
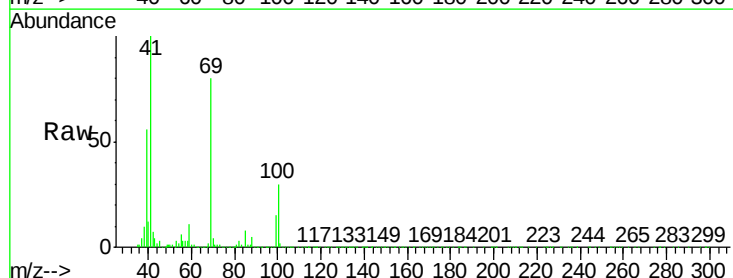
RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	41	Resp:	91914
Ion Ratio	Lower	Upper	
41	100		
69	83.7	65.7	98.5
39	55.9	45.8	68.8





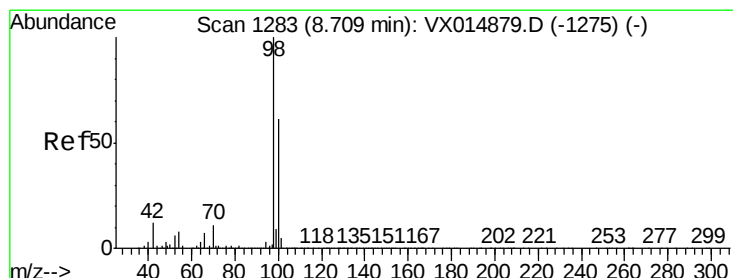
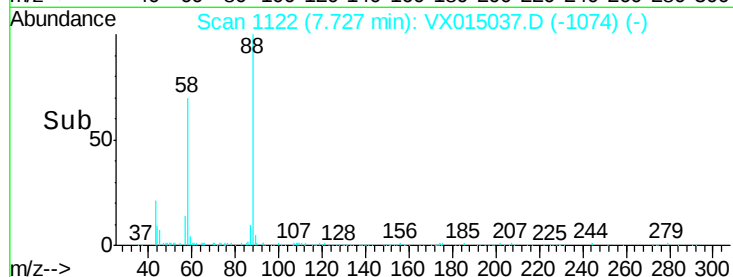
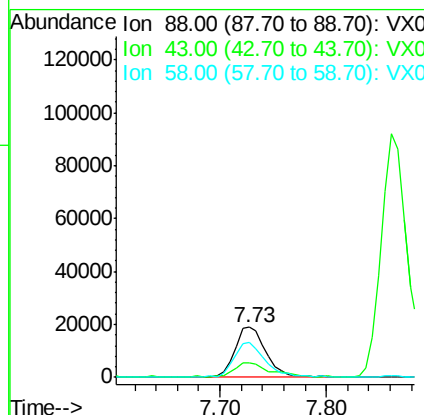
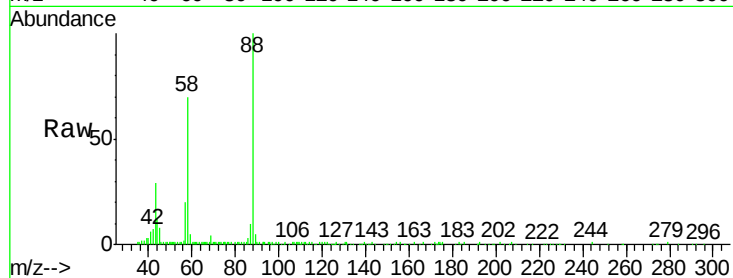
#49
1,4-Dioxane
Concen: 456.646 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	27.0	40.4
58	67.7	53.2	79.8

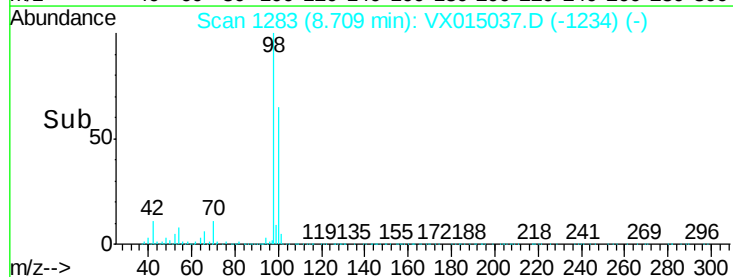
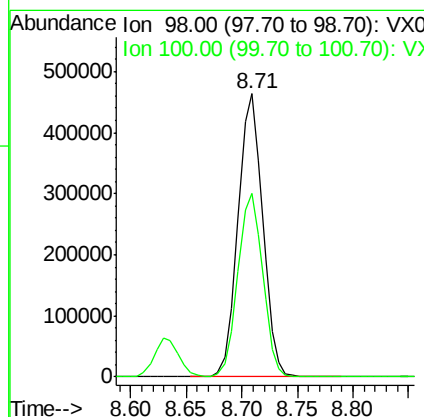
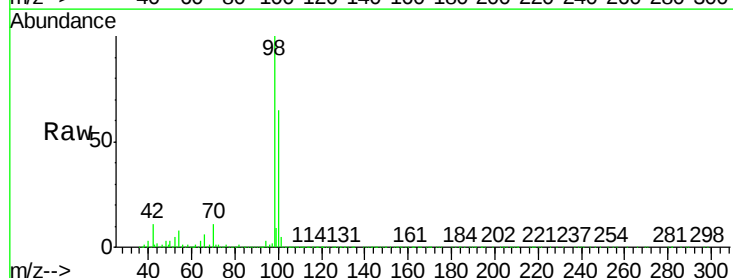
Manual Integrations
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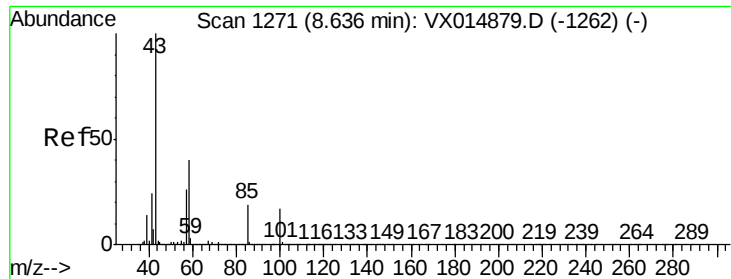
MMDadoda
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#50
Toluene-d8
Concen: 50.069 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 107.426 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 43 Resp: 605766

Ion Ratio Lower Upper

43 100

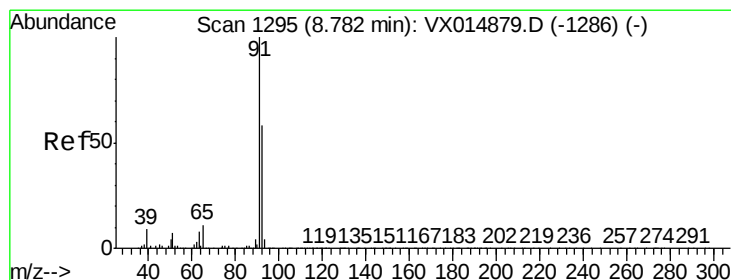
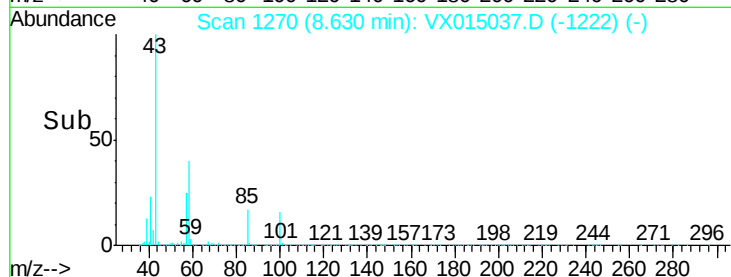
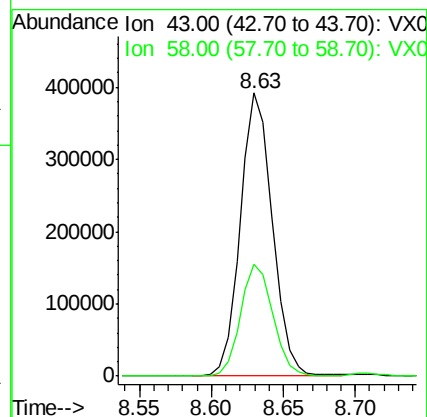
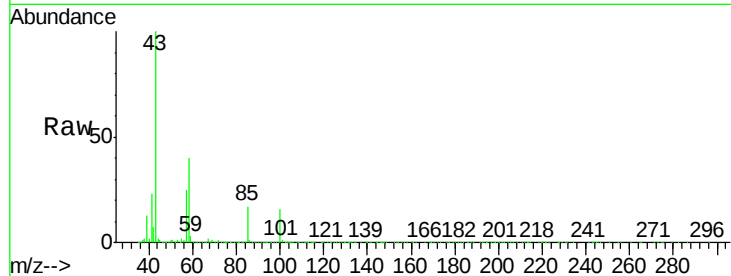
58 40.1 31.9 47.9

Manual Integrations

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#52

Toluene

Concen: 19.108 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015037.D

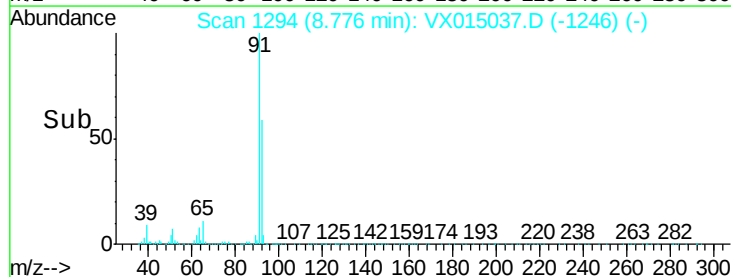
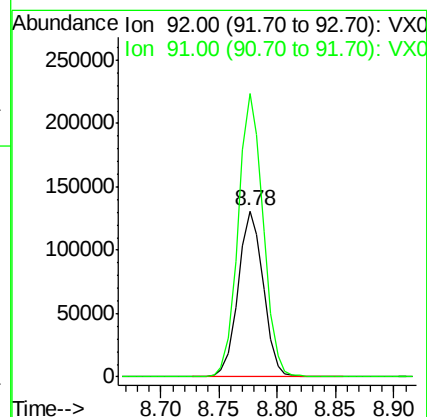
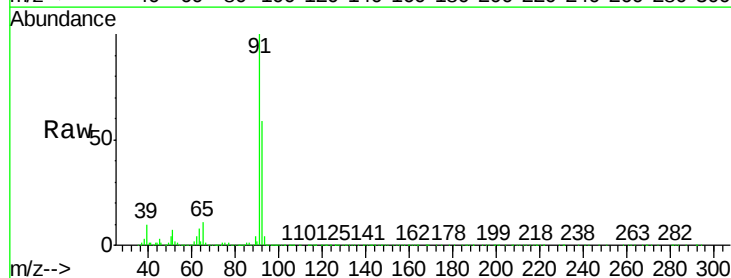
Acq: 27 Feb 2020 11:06

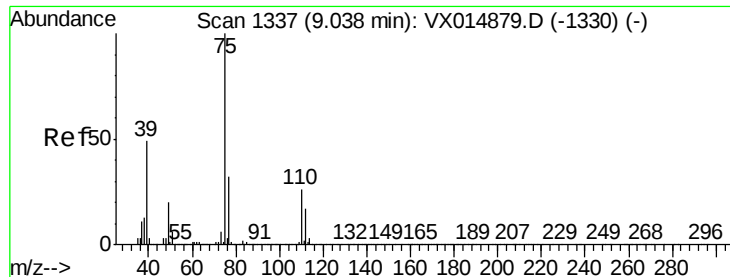
Tgt Ion: 92 Resp: 196819

Ion Ratio Lower Upper

92 100

91 170.7 137.0 205.4





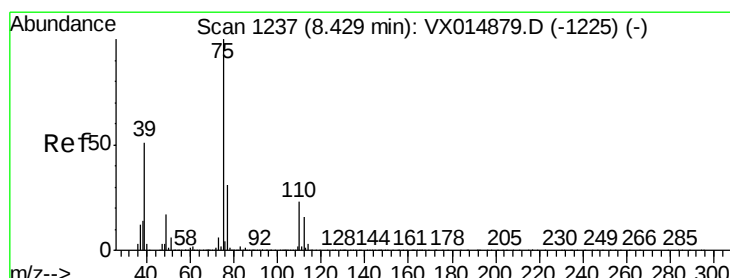
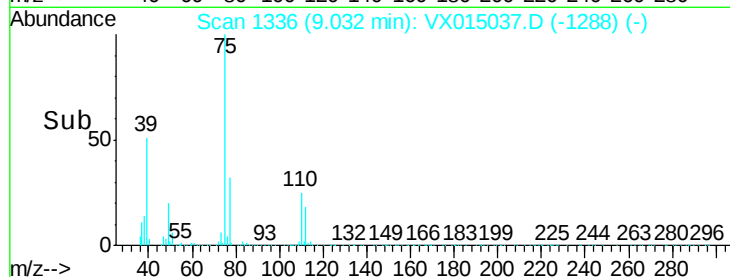
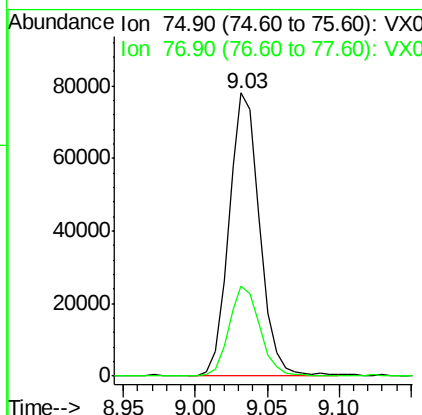
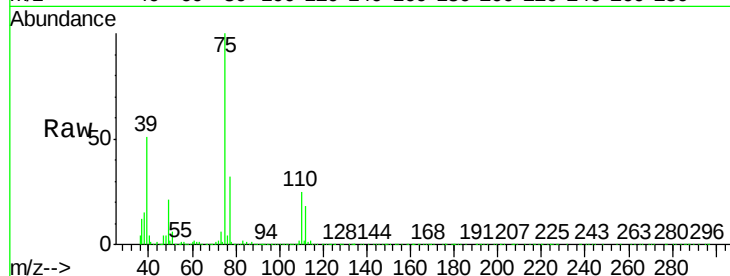
#53
t-1,3-Dichloropropene
Concen: 18.814 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion: 75 Resp: 115582
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

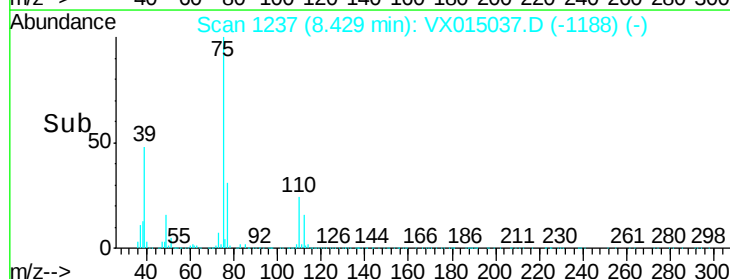
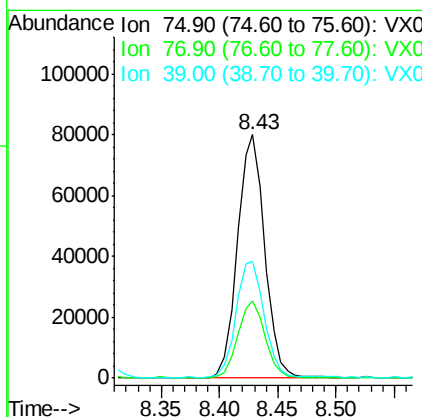
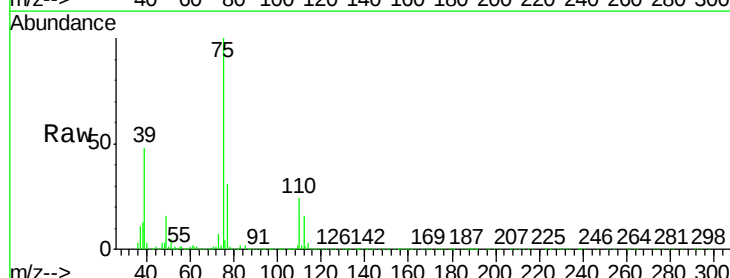
Manual Integrations
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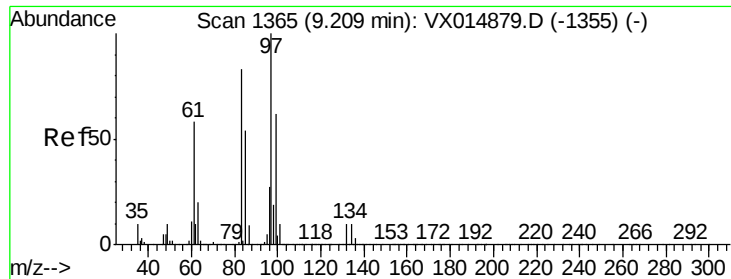
MMDadoda
2/28/2020 11:28:52 AM



#54
cis-1,3-Dichloropropene
Concen: 19.184 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion: 75 Resp: 130196
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0
39 47.7 40.9 61.3





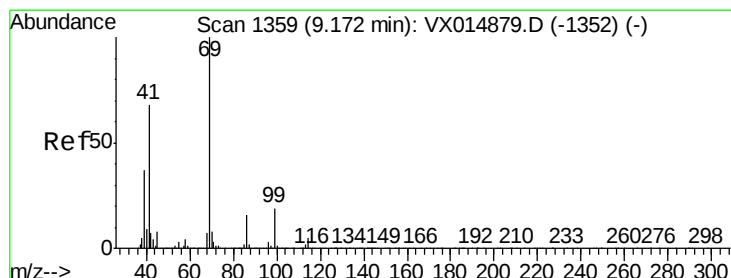
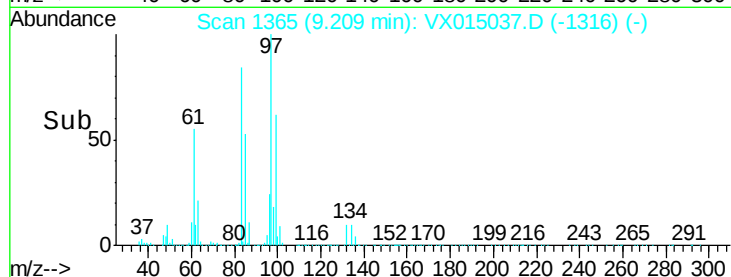
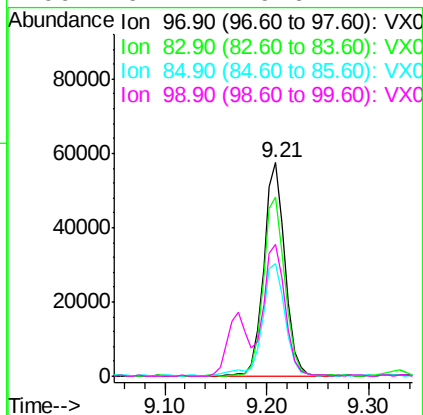
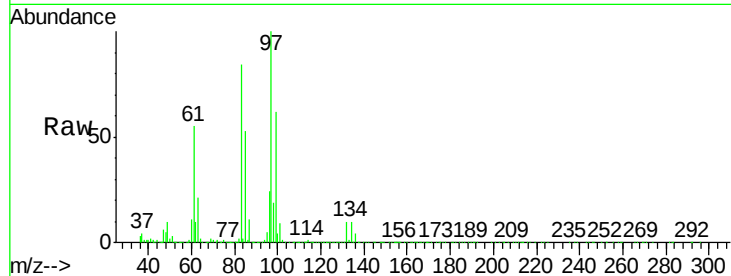
#55
 1,1,2-Trichloroethane
 Concen: 20.021 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		83433		
83	83.5	66.6	99.8		
85	52.4	43.5	65.3		
99	61.4	49.6	74.4		

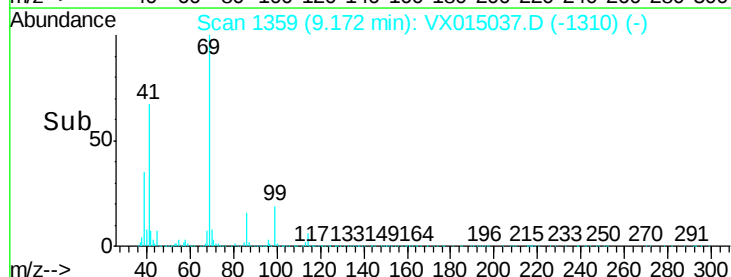
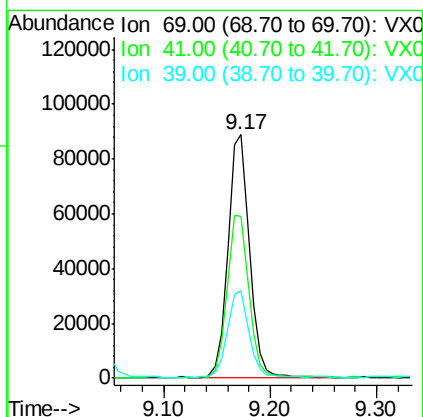
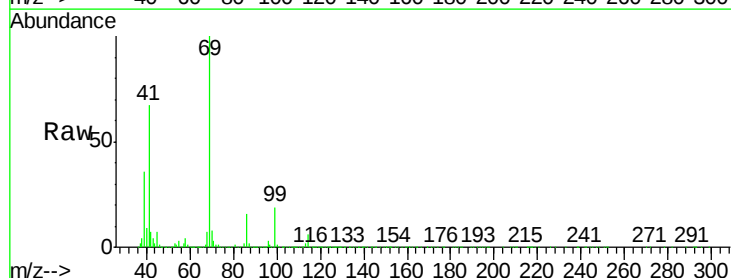
Manual Integrations
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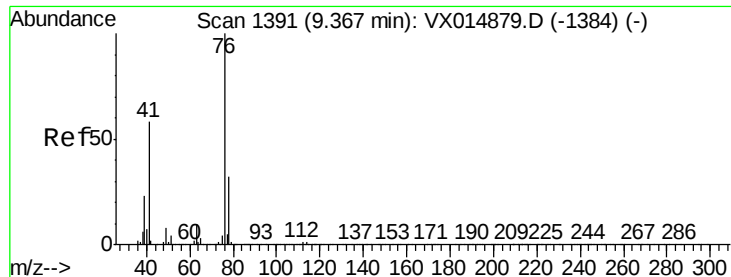
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 2/28/2020 11:28:52 AM



#56
 Ethyl methacrylate
 Concen: 20.129 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		126082		
41	68.2	54.8	82.2		
39	36.1	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 20.009 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 76 Resp: 140358

Ion Ratio Lower Upper

76 100

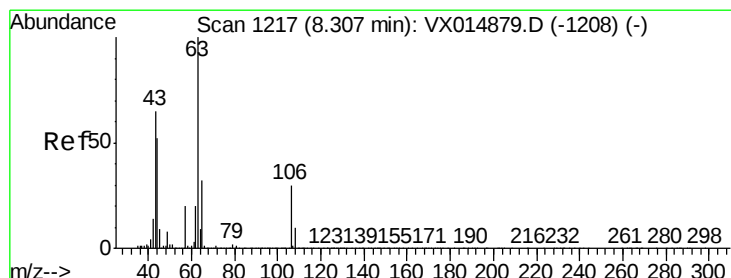
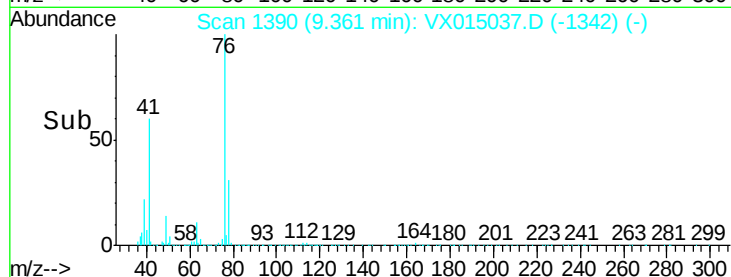
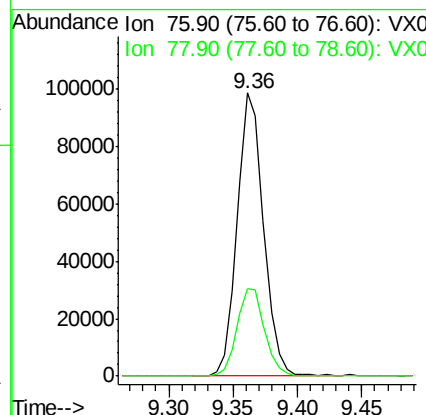
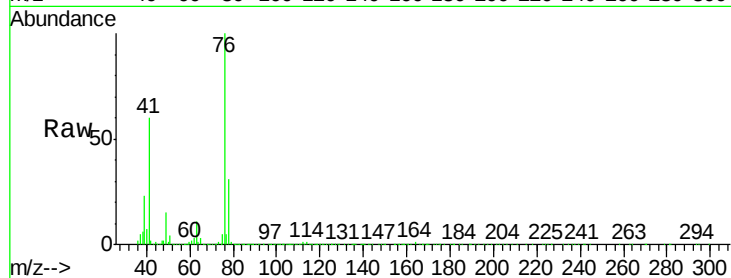
78 32.1 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.625 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015037.D

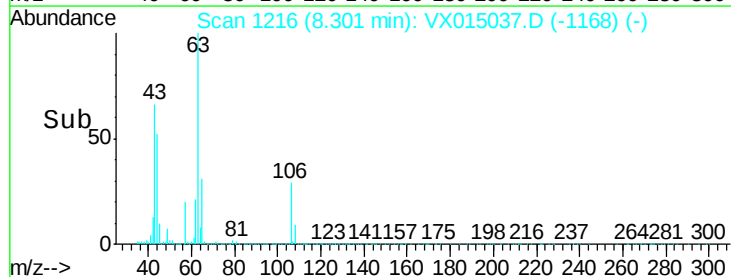
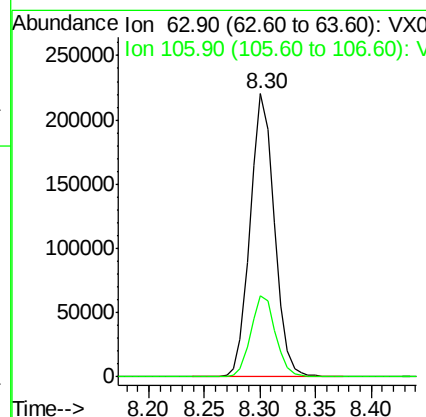
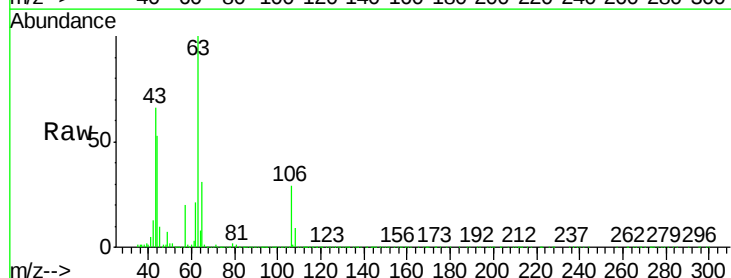
Acq: 27 Feb 2020 11:06

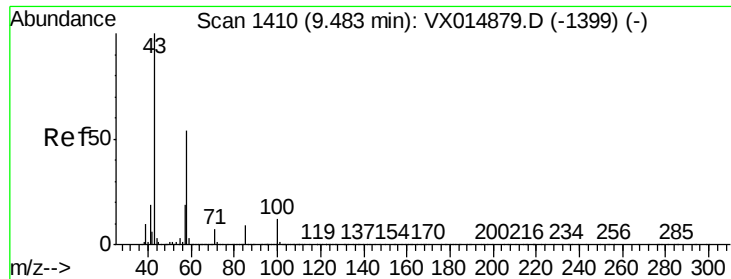
Tgt Ion: 63 Resp: 332908

Ion Ratio Lower Upper

63 100

106 29.1 23.8 35.8





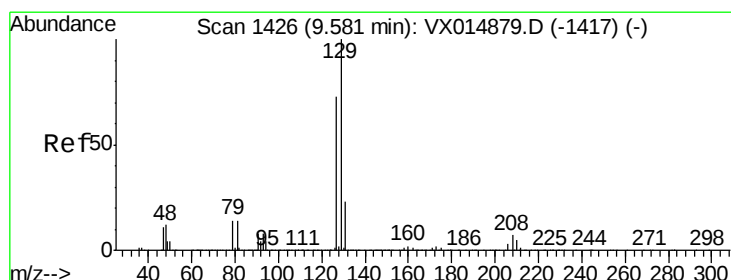
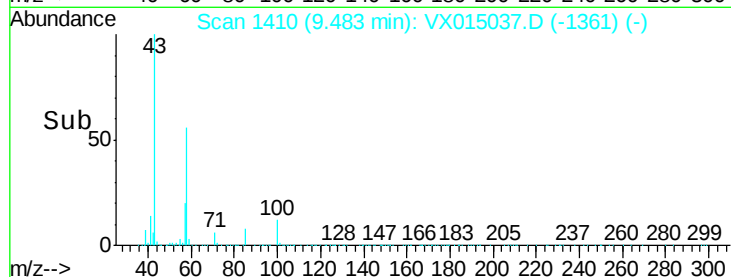
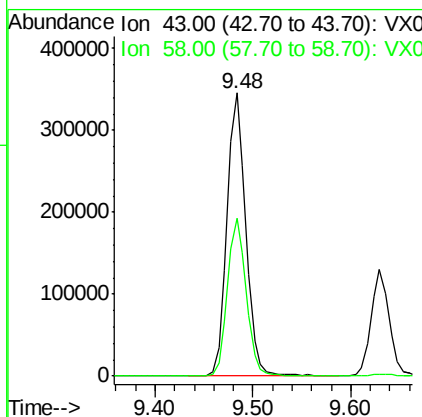
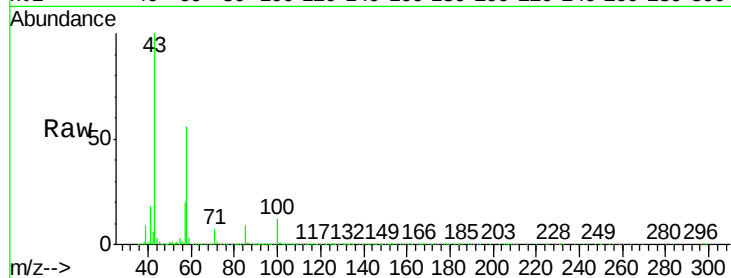
#59
2-Hexanone
Concen: 104.254 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.5	82.5

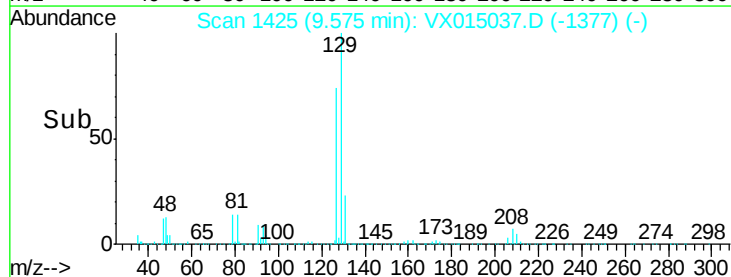
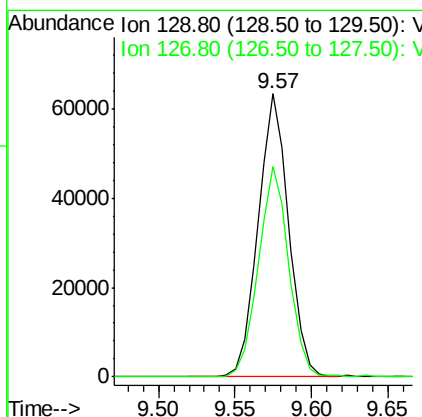
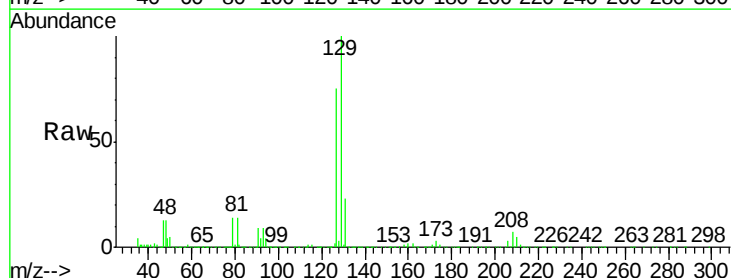
Manual Integrations
APPROVED

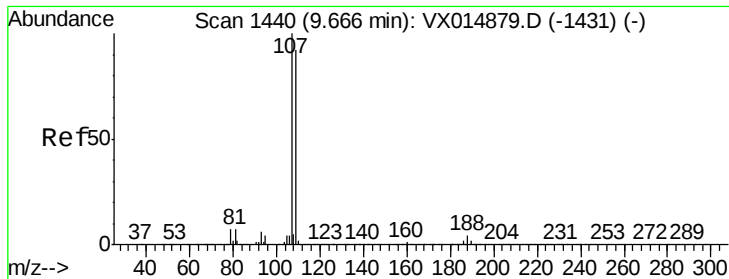
MMDadoda
2/28/2020 11:28:52 AM



#60
Dibromochloromethane
Concen: 19.657 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.4	37.8	113.3





#61

1,2-Dibromoethane

Concen: 19.107 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 107 Resp: 85912

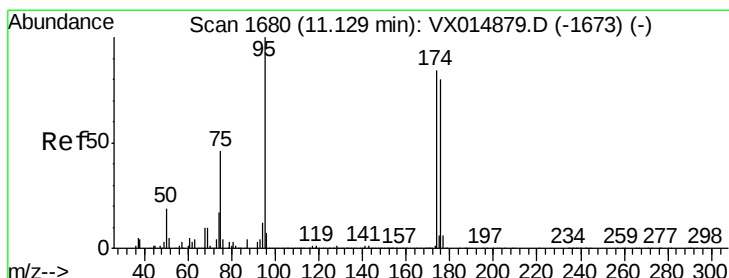
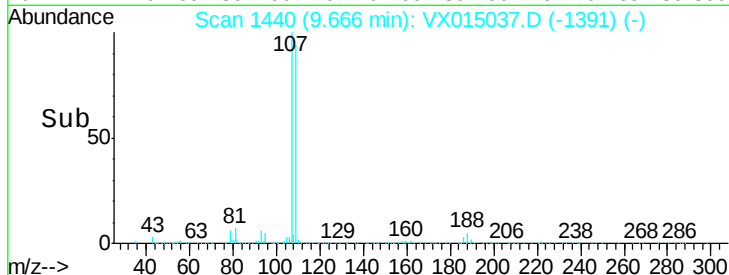
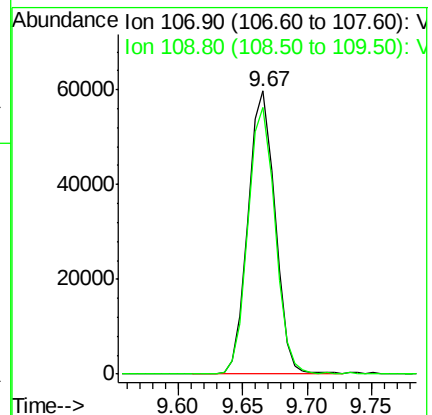
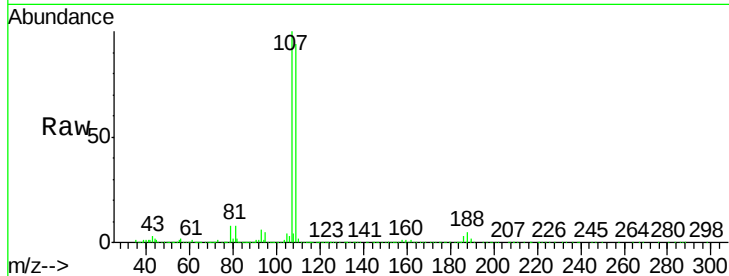
Ion Ratio Lower Upper

107 100

109 95.4 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 51.290 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

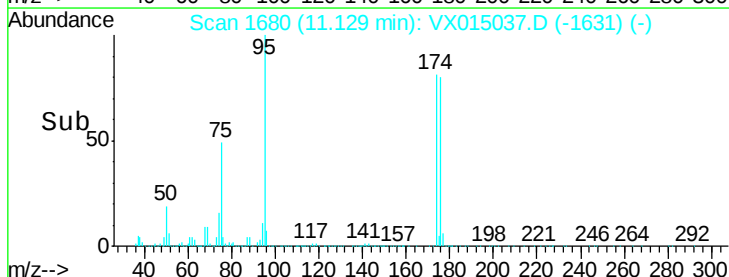
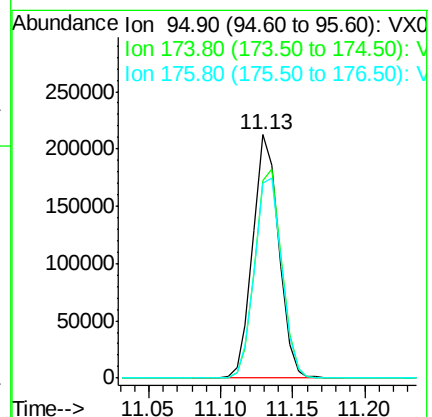
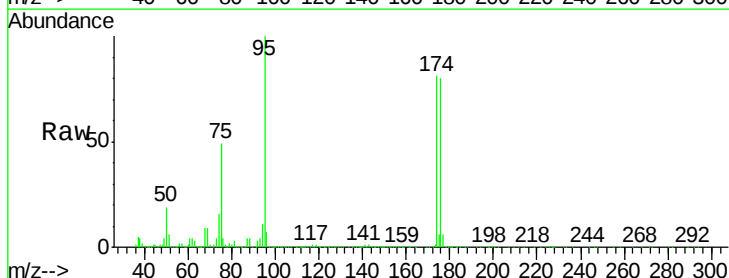
Tgt Ion: 95 Resp: 263084

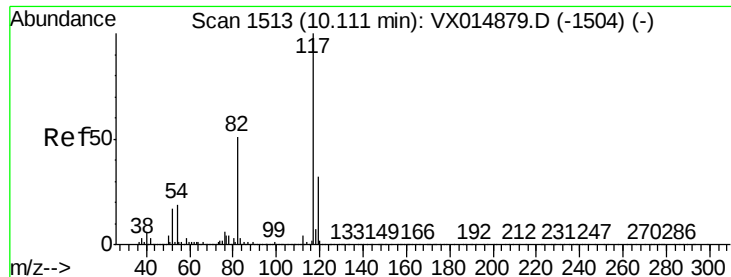
Ion Ratio Lower Upper

95 100

174 88.8 0.0 183.0

176 86.5 0.0 178.0





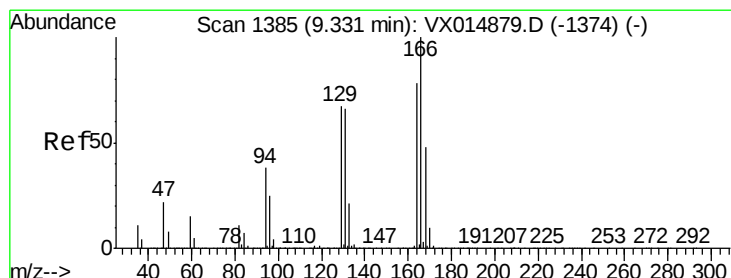
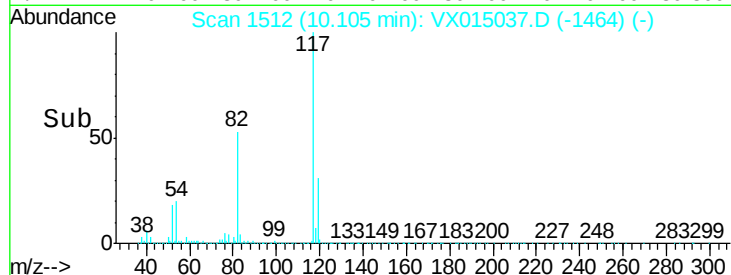
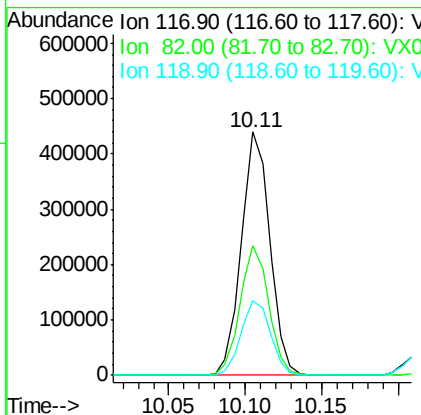
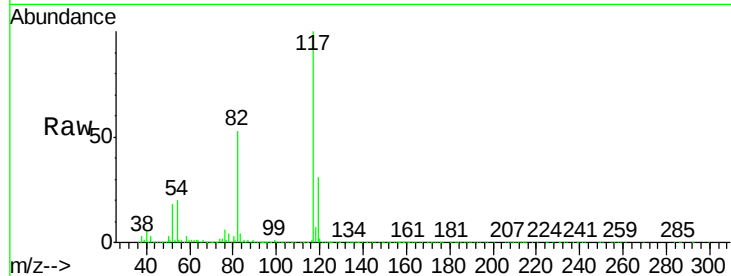
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	40.5	60.7
119	30.7	25.8	38.6

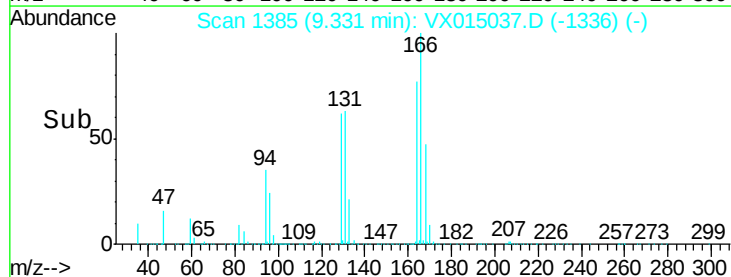
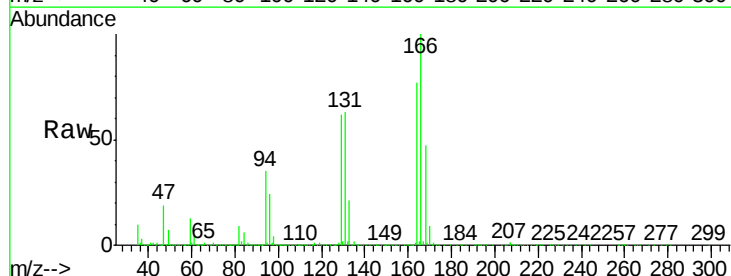
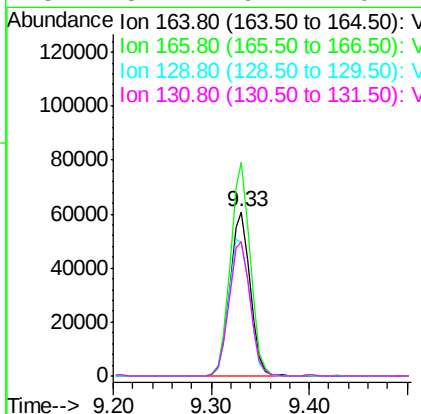
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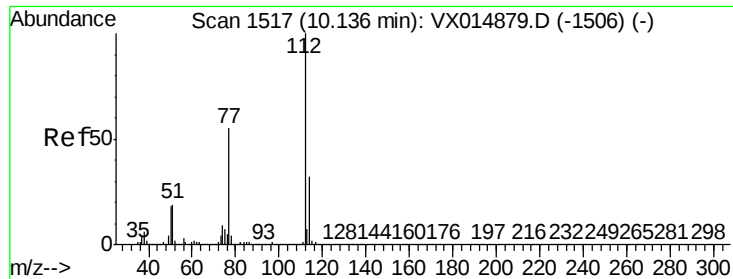
MMDadoda
2/28/2020 11:28:52 AM



#64
Tetrachloroethene
Concen: 16.444 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.6	153.8
129	81.3	68.3	102.5
131	82.1	67.4	101.2





#65

Chlorobenzene

Concen: 18.832 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampled :

VX0227WBSD02

Tot Ion:112 Resp: 218236

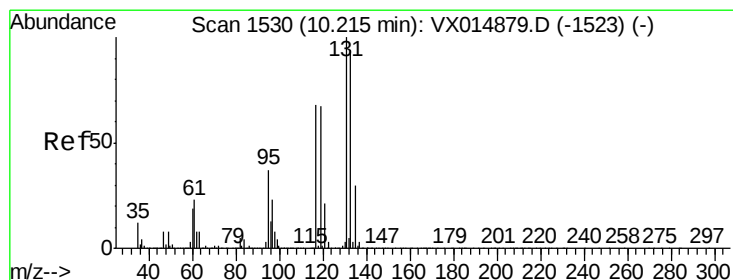
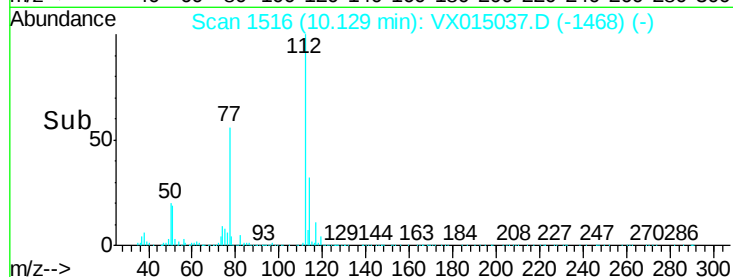
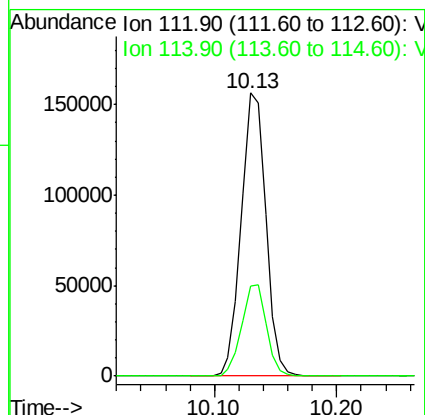
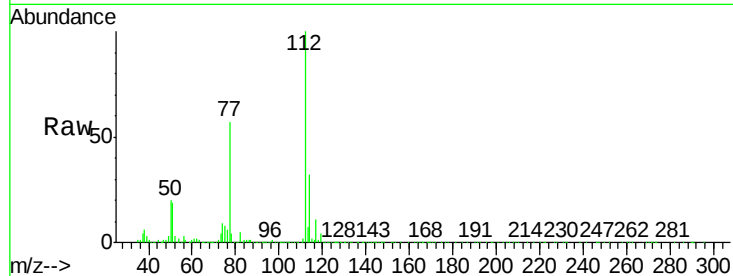
Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.416 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

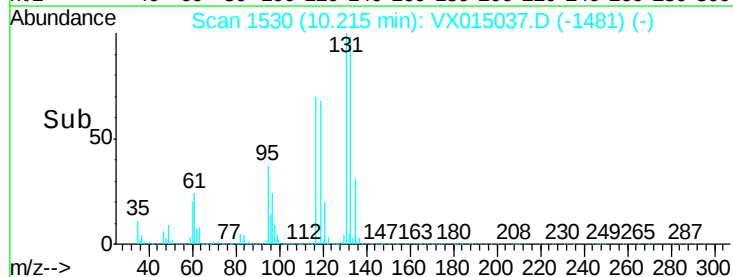
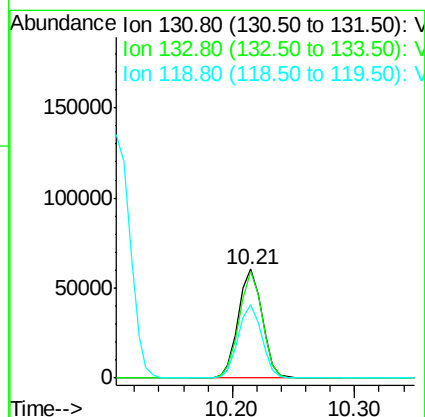
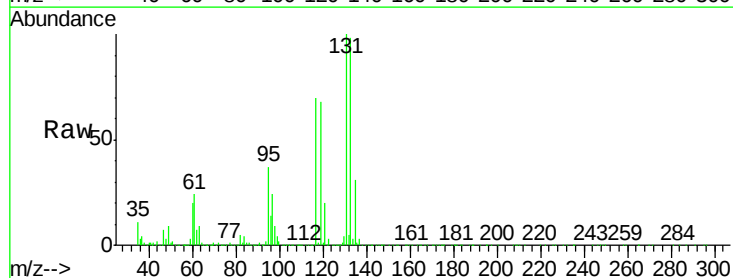
Tgt Ion:131 Resp: 81687

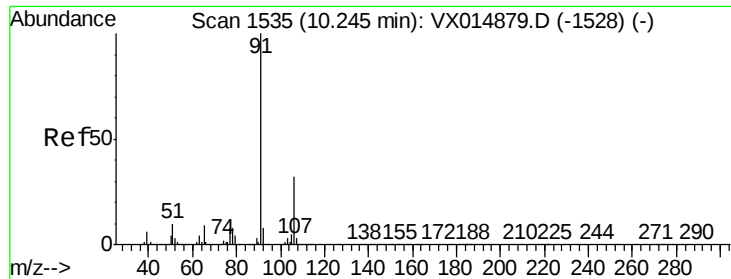
Ion Ratio Lower Upper

131 100

133 93.8 48.1 144.4

119 67.0 33.0 99.0





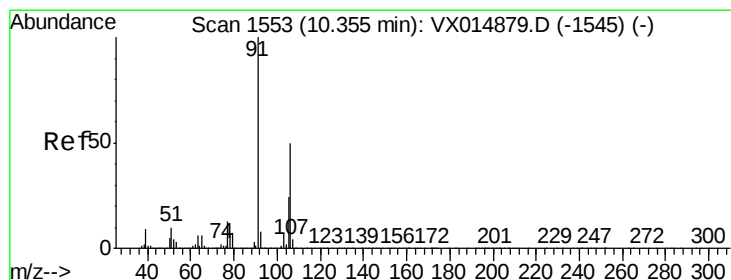
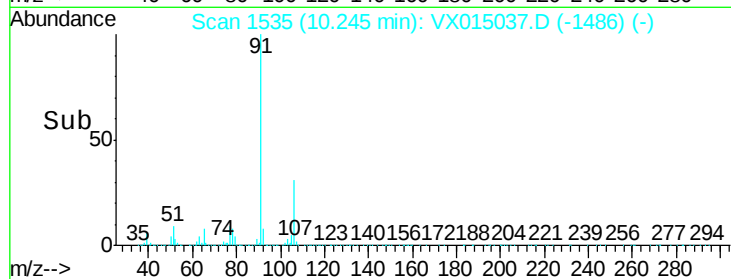
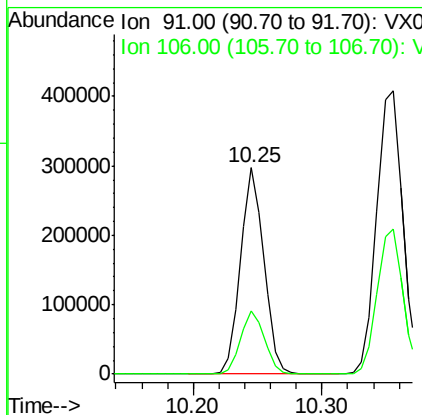
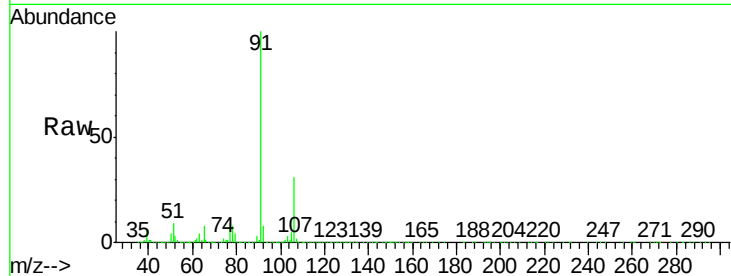
#67
Ethyl Benzene
Concen: 18.972 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.3	37.9

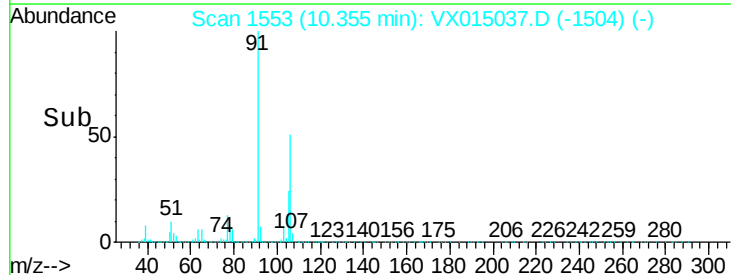
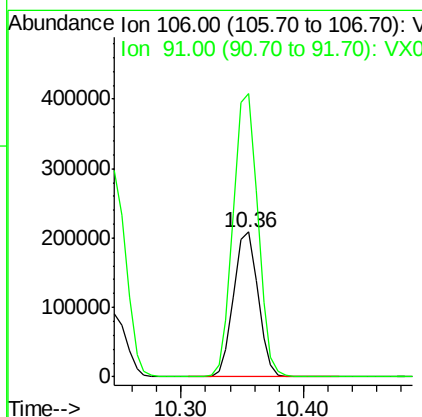
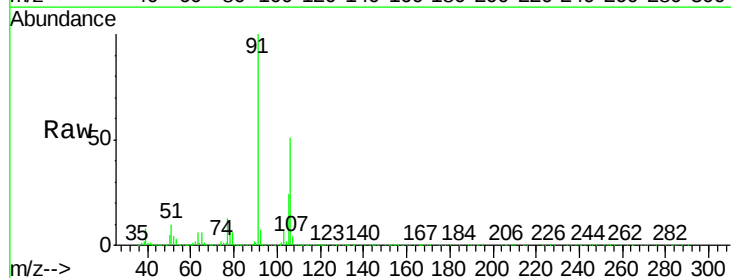
Manual Integrations
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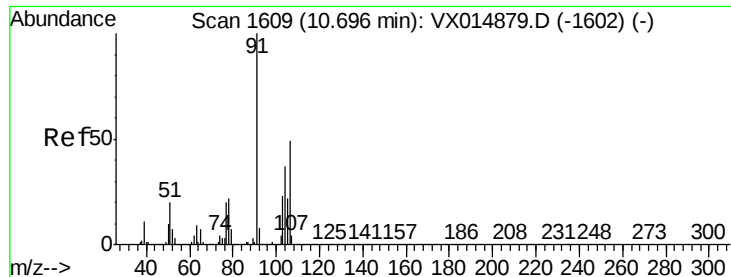
MMDadoda
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#68
m/p-Xylenes
Concen: 38.009 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.1	160.6	240.8





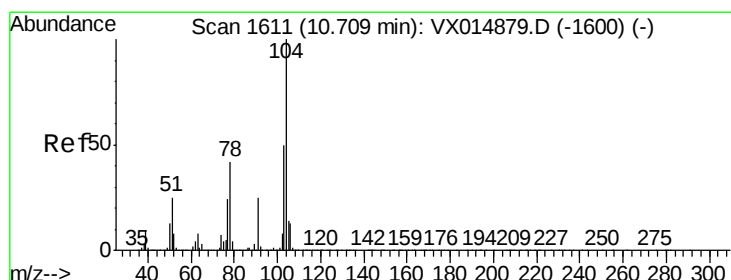
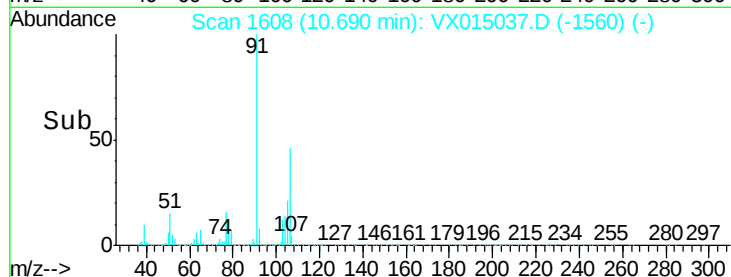
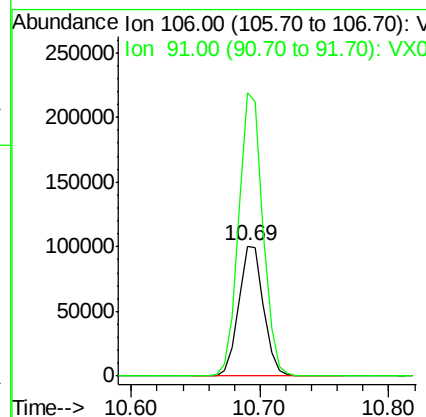
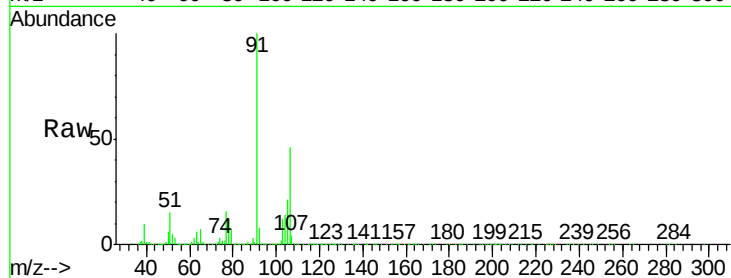
#69
o-Xylene
Concen: 18.527 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	135216		
91	212.2	105.1	315.3	

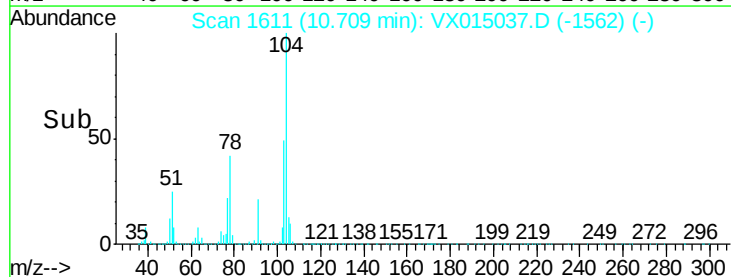
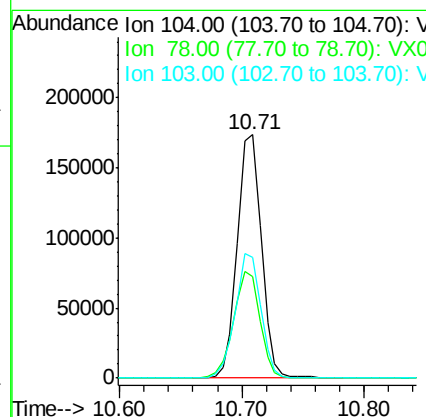
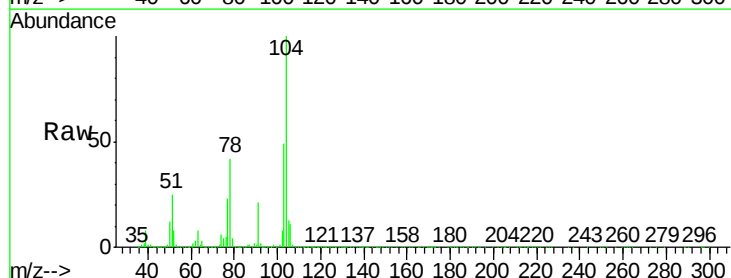
Manual Integrations
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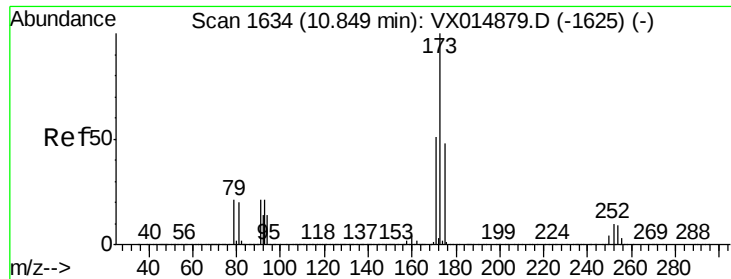
MMDadoda
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#70
Styrene
Concen: 19.136 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	236268		
78	47.6	39.0	58.4	
103	54.7	43.4	65.0	





#71

Bromoform

Concen: 18.885 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

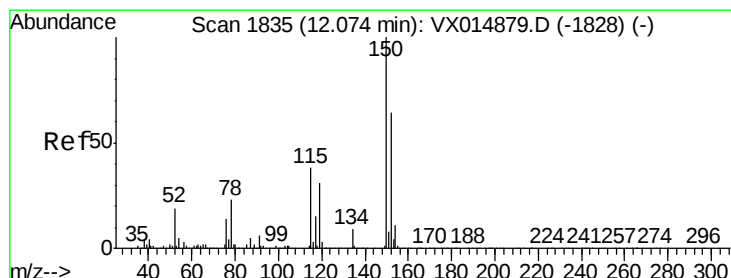
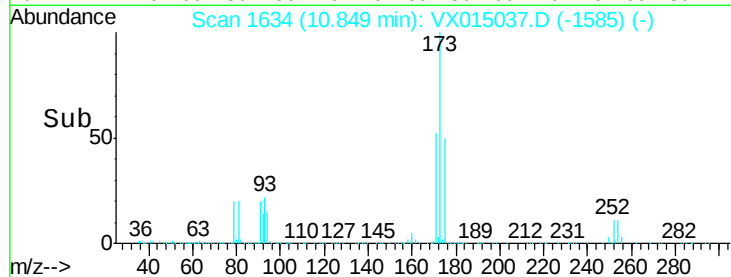
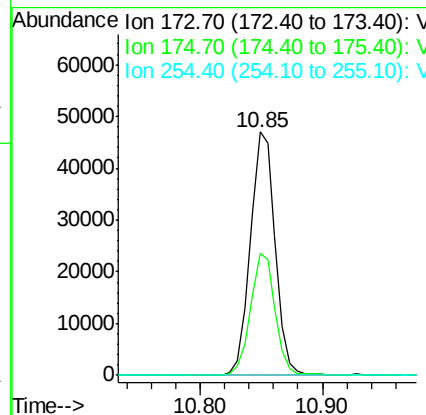
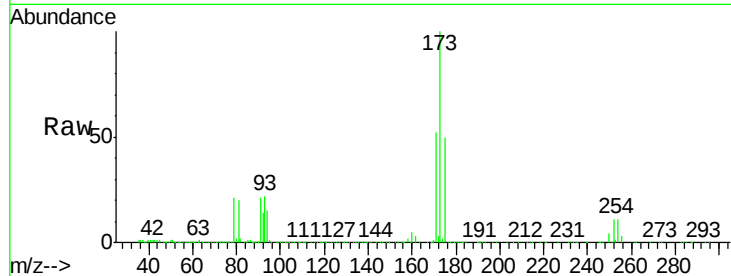
ClientSampleId :

VX0227WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.2	72.6
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

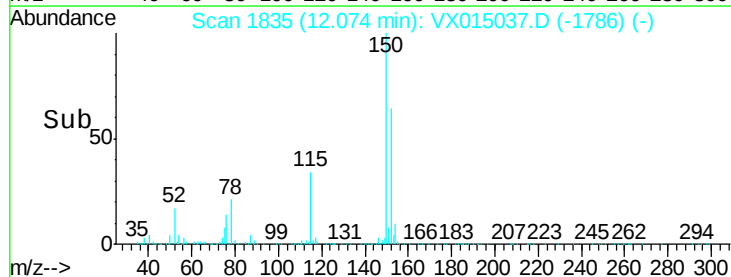
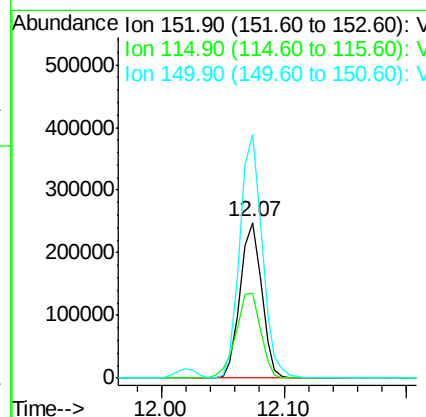
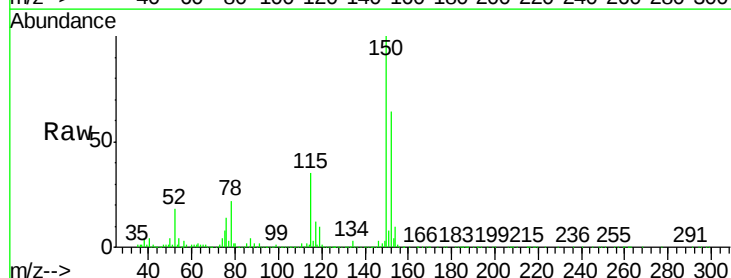
RT: 12.07 min Scan# 1835

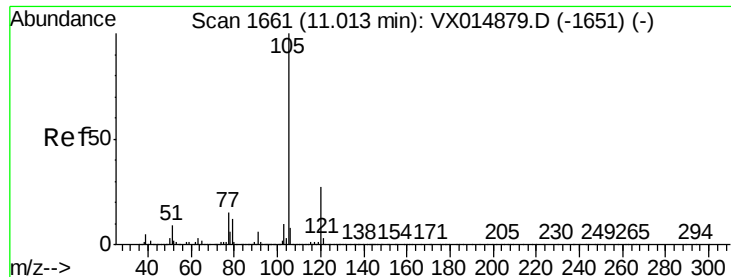
Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	38.6	116.0
150	163.3	0.0	349.0





#73

Isopropylbenzene

Concen: 19.549 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 105 Resp: 367801

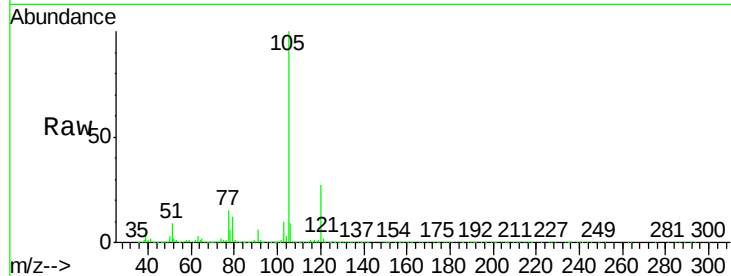
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8

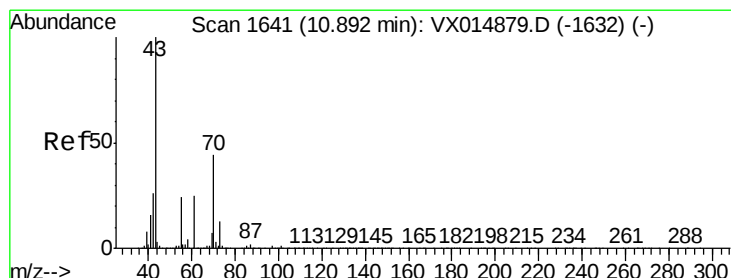
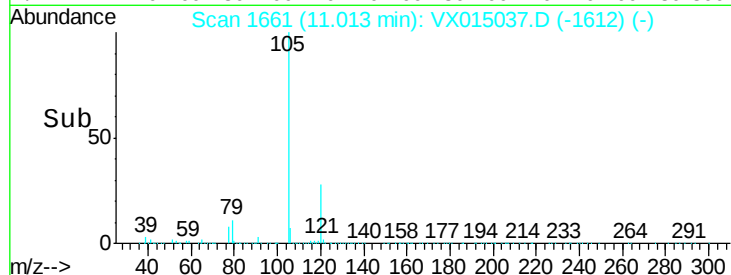
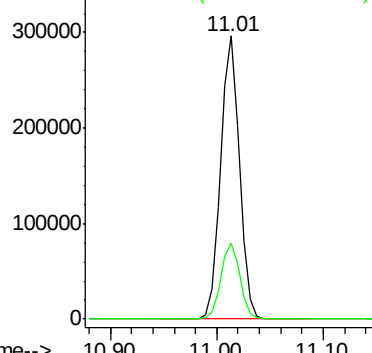
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.221 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion: 43 Resp: 158078

Ion Ratio Lower Upper

43 100

70 43.6 35.0 52.4

55 24.6 19.4 29.2

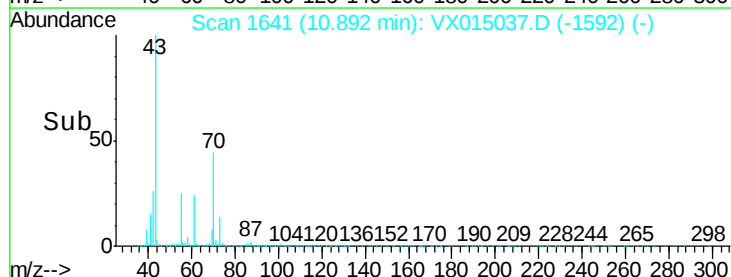
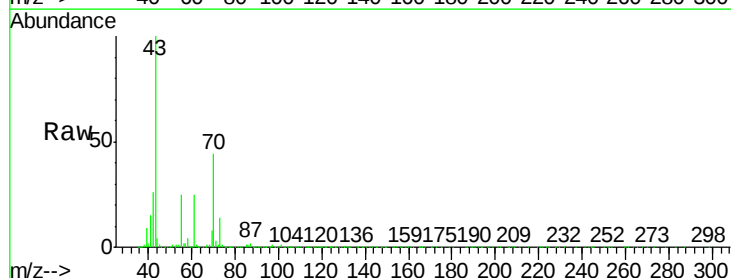
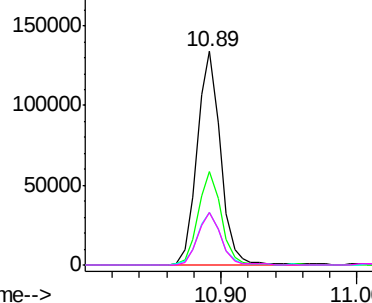
61 24.7 19.8 29.6

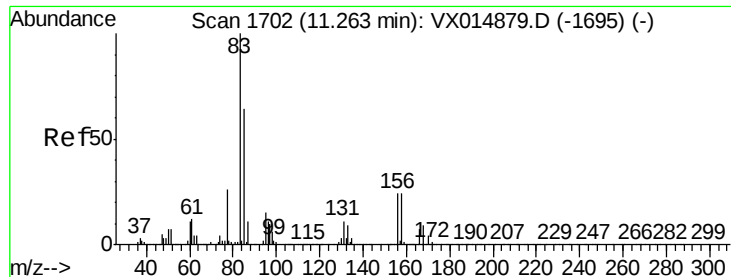
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.872 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

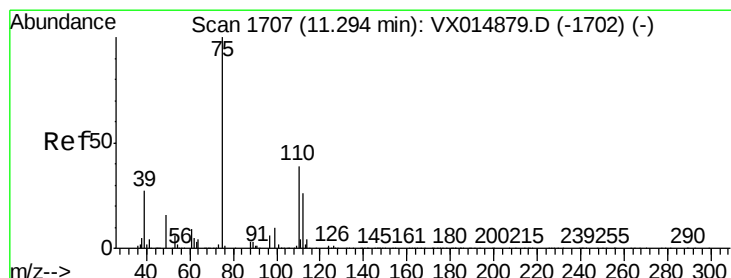
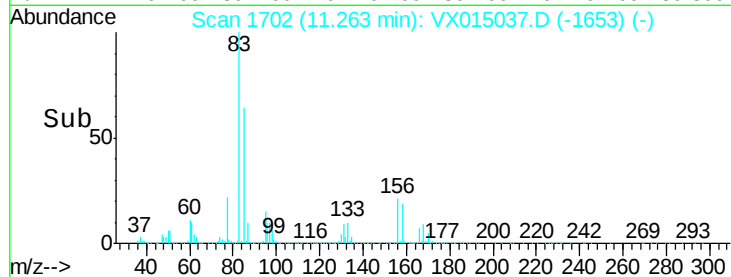
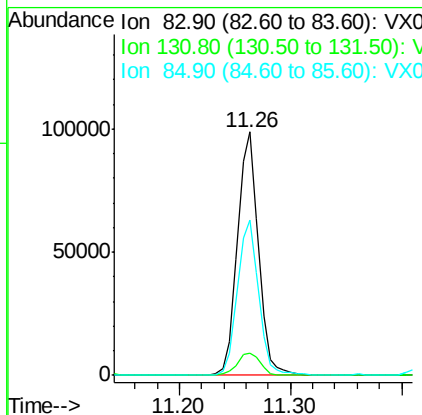
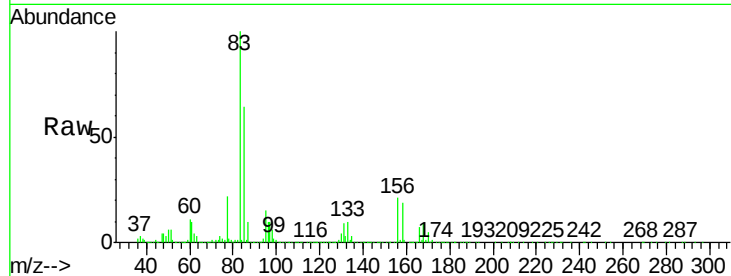
ClientSampled :

VX0227WBSD02

Tot Ion:	83	Resp:	128371
Ion Ratio		Lower	Upper
83	100		
131	10.1	5.3	16.1
85	64.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 19.672 ug/l m

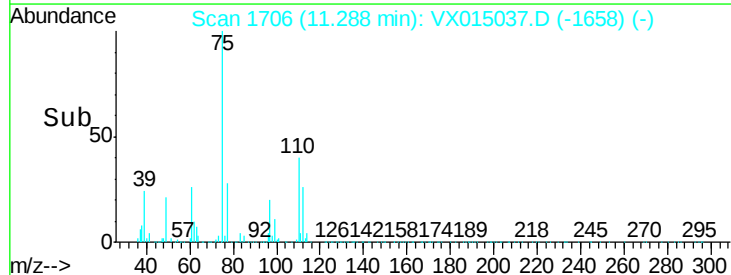
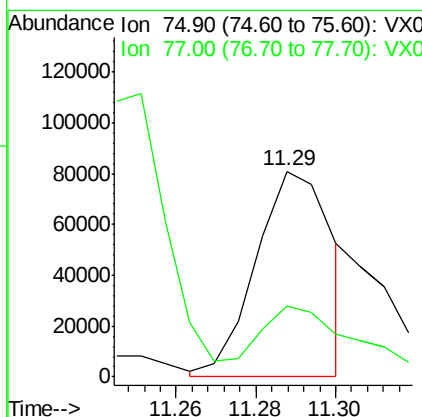
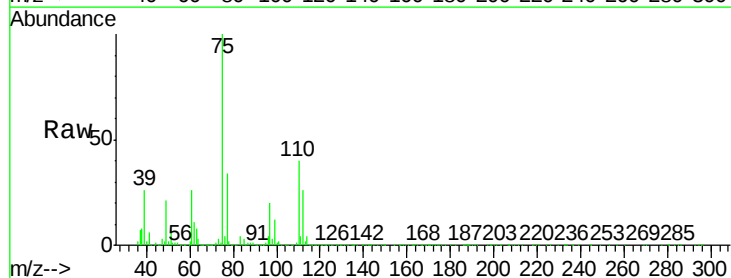
RT: 11.29 min Scan# 1706

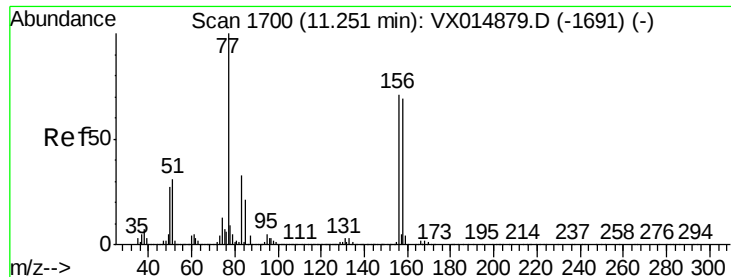
Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	75	Resp:	106728
Ion Ratio		Lower	Upper
75	100		
77	44.2	18.4	55.0





#77

Bromobenzene

Concen: 19.268 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

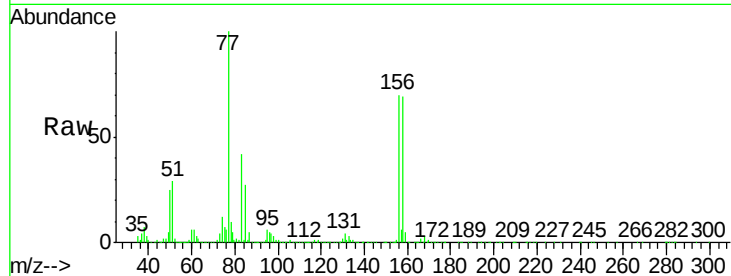
ClientSampleId :

VX0227WBSD02

Tot Ion:	156	Resp:	101182
Ion Ratio	Lower	Upper	
156	100		
77	146.3	74.0	222.0
158	96.8	48.9	146.6

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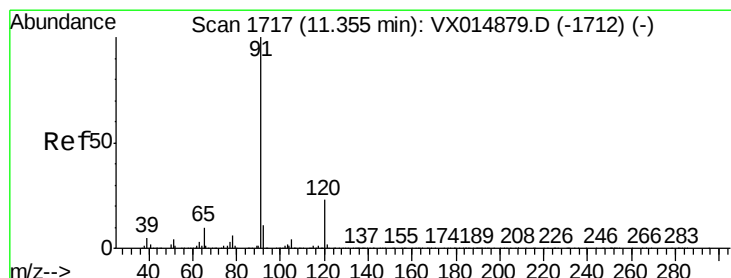
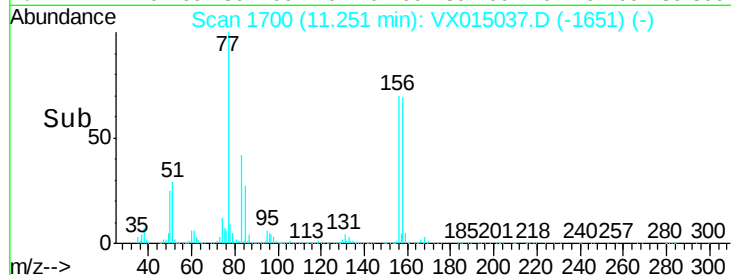
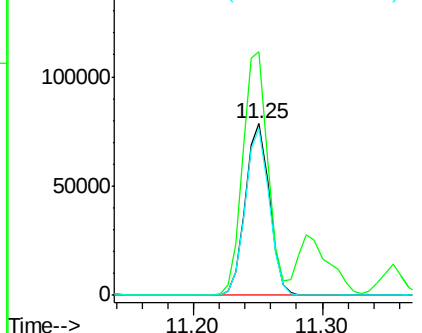
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.700 ug/l

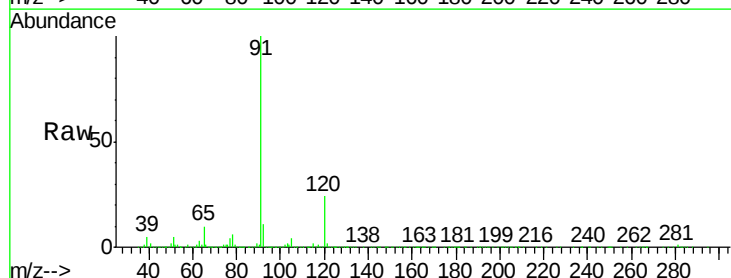
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015037.D

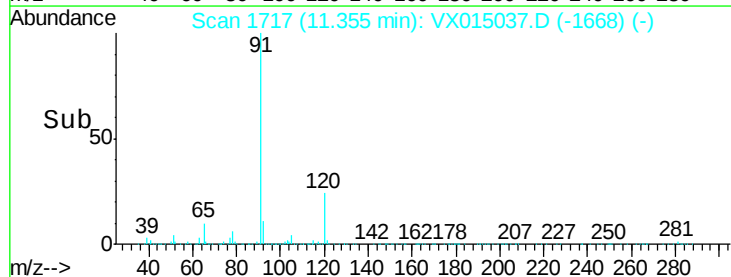
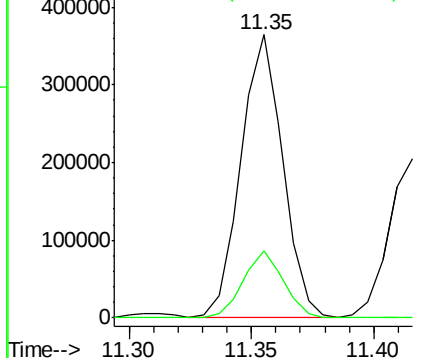
Acq: 27 Feb 2020 11:06

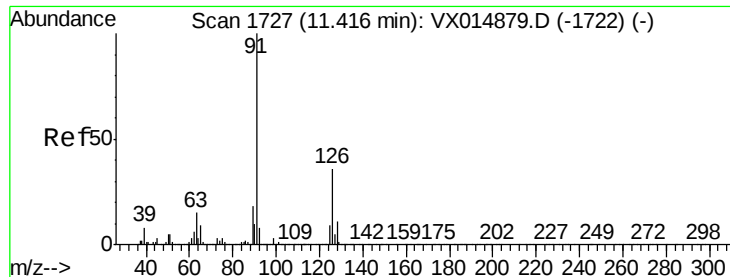
Tgt Ion:	91	Resp:	428694
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.461 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion: 91 Resp: 248968

Ion Ratio Lower Upper

91 100

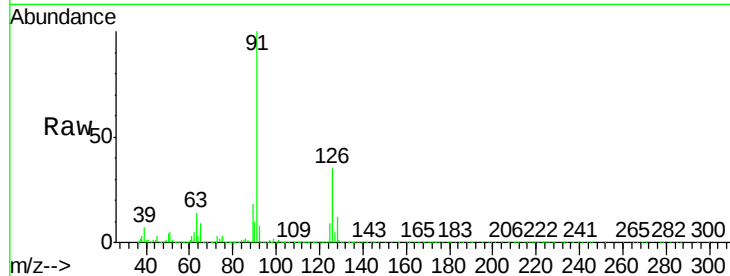
126 35.8 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VX014879.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX014879.D (-1722) (-)

400000

300000

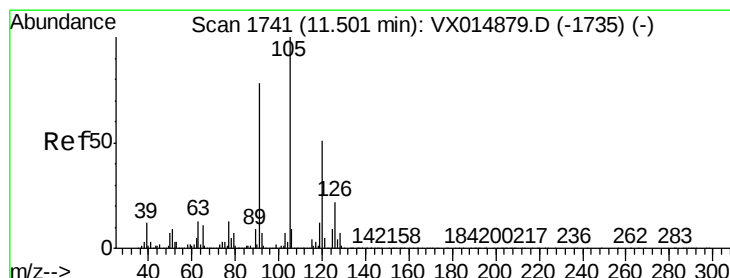
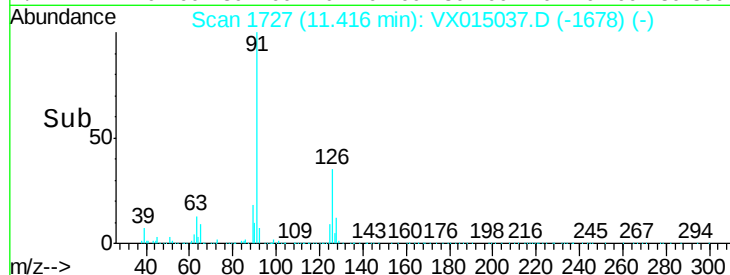
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.786 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015037.D

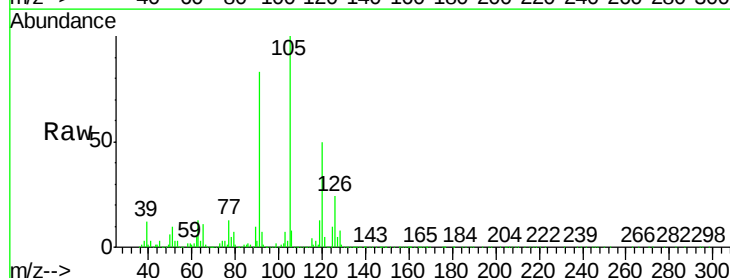
Acq: 27 Feb 2020 11:06

Tgt Ion: 105 Resp: 311057

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VX014879.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX014879.D (-1735) (-)

300000

250000

200000

150000

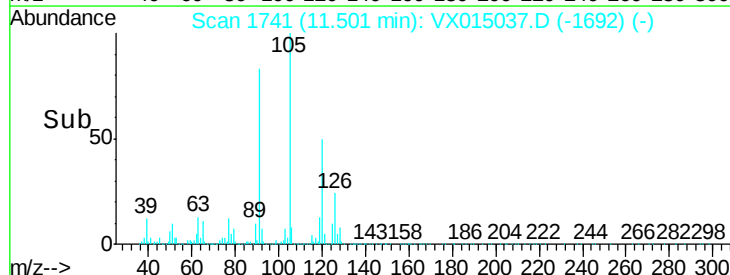
100000

50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.108 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

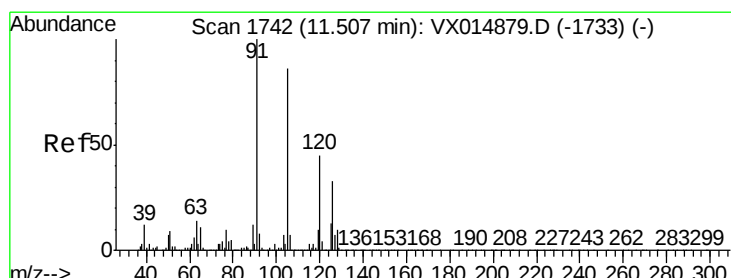
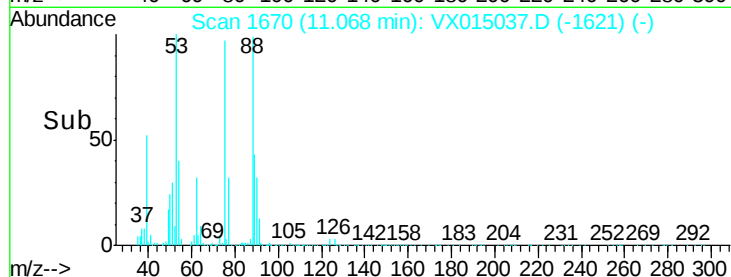
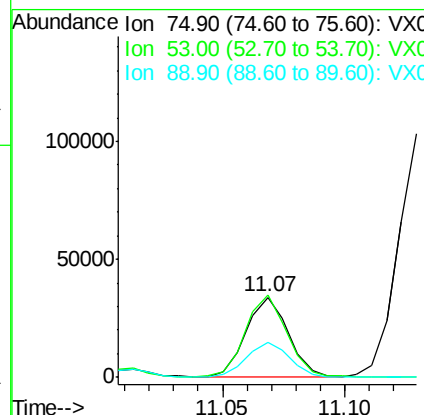
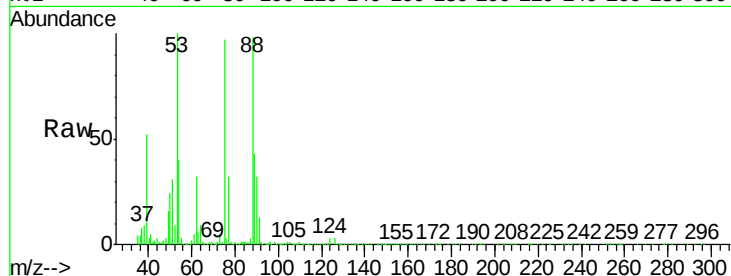
ClientSampleId :

VX0227WBSD02

Tot Ion:	75	Resp:	40500
Ion Ratio	Lower	Upper	
75	100		
53	99.8	76.2	114.2
89	46.1	35.8	53.6

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#82

4-Chlorotoluene

Concen: 19.335 ug/l

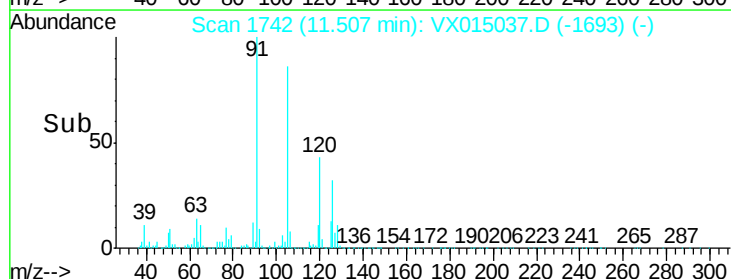
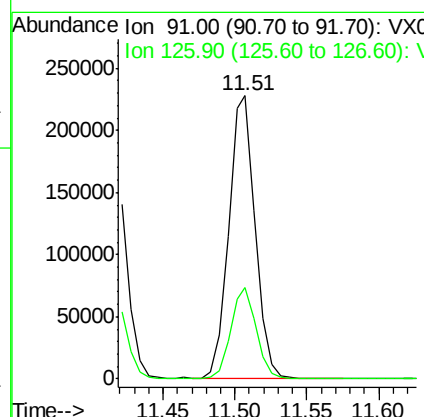
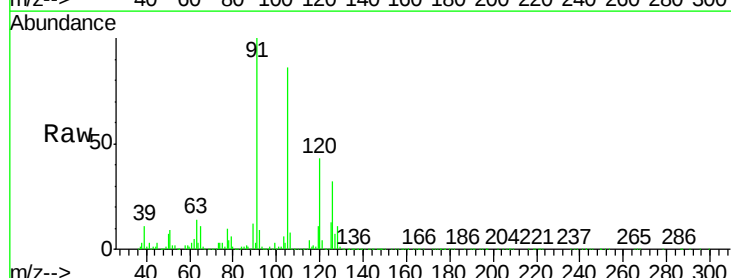
RT: 11.51 min Scan# 1742

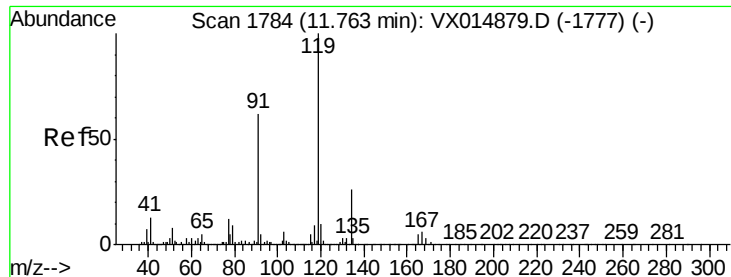
Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	91	Resp:	292925
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.7	47.0





#83

tert-Butylbenzene

Concen: 19.883 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

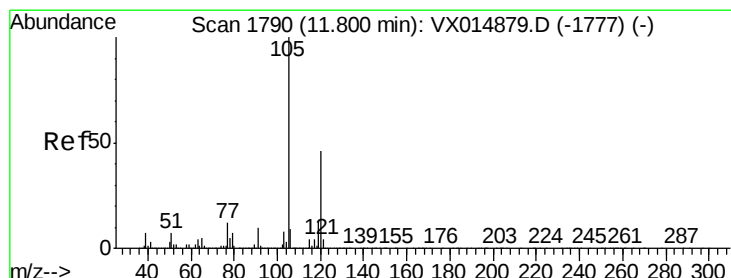
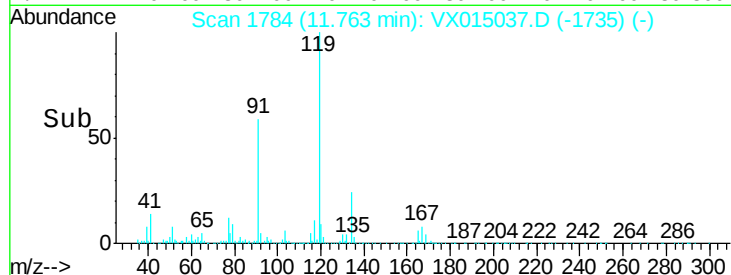
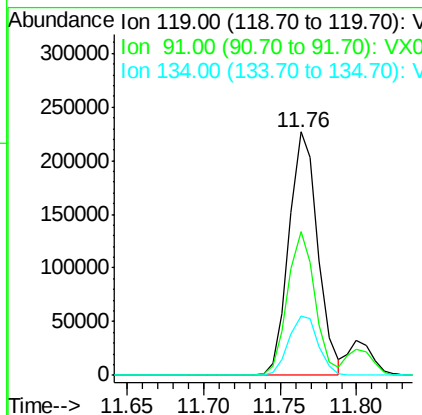
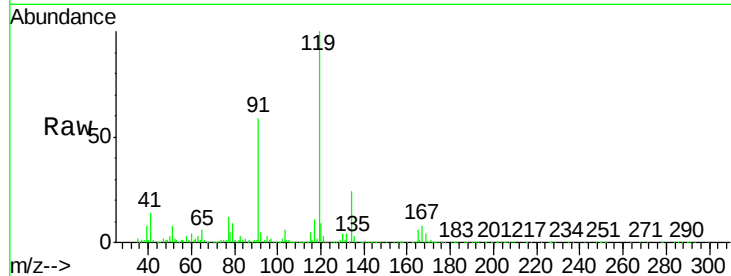
ClientSampleId :

VX0227WBSD02

Tot Ion:	119	Resp:	296005
Ion Ratio	Lower	Upper	
119	100		
91	56.4	29.5	88.6
134	25.0	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 19.802 ug/l

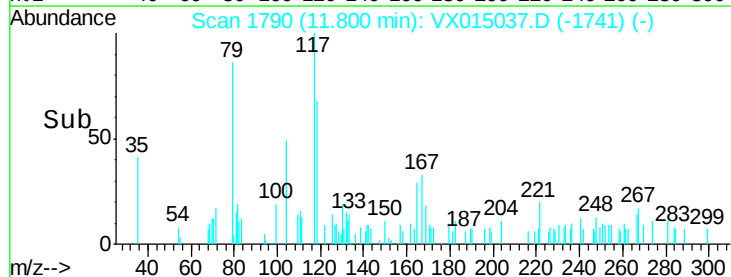
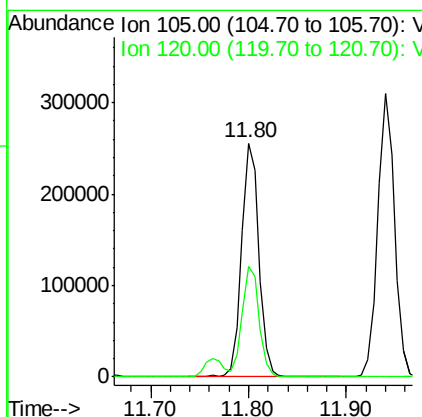
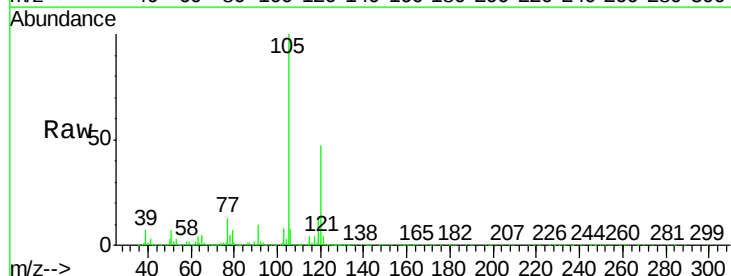
RT: 11.80 min Scan# 1790

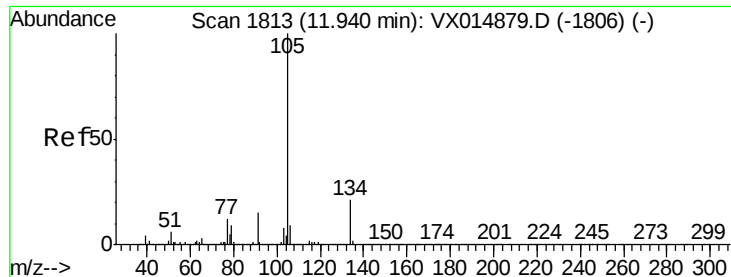
Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	105	Resp:	313727
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 19.878 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBSD02

Tot Ion:105 Resp: 367629

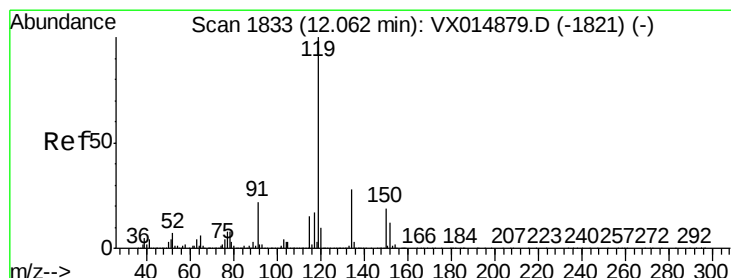
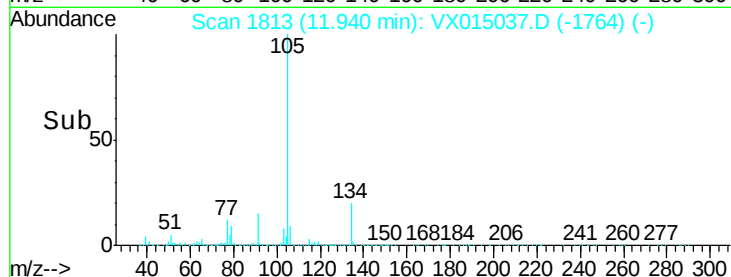
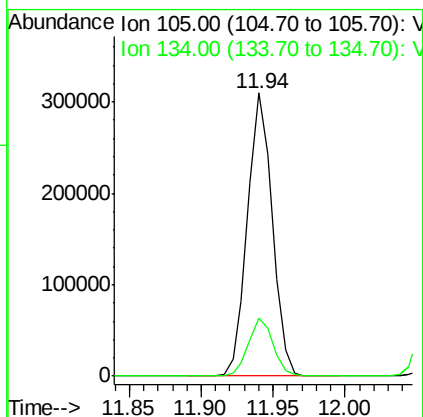
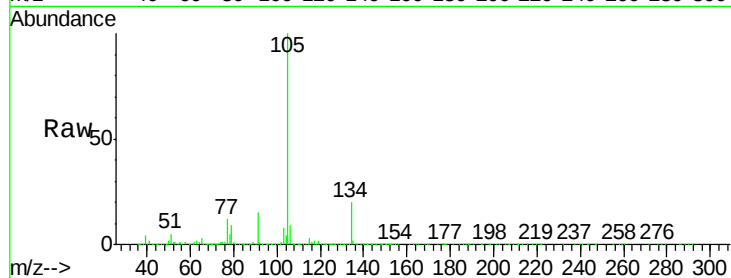
Ion Ratio Lower Upper

105 100

134 20.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 19.370 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

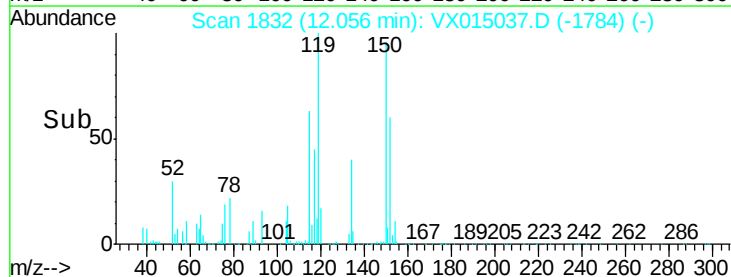
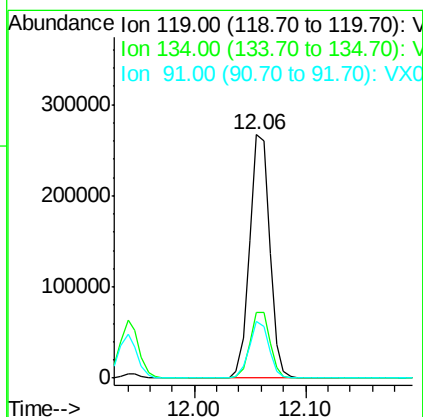
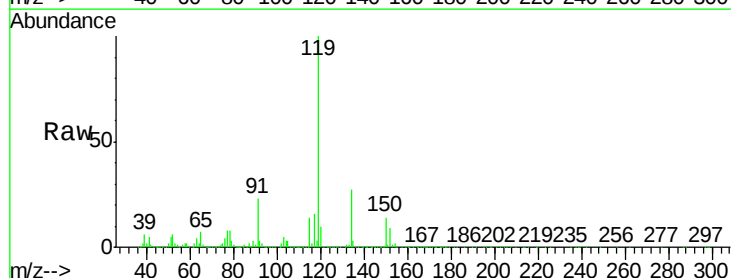
Tgt Ion:119 Resp: 335222

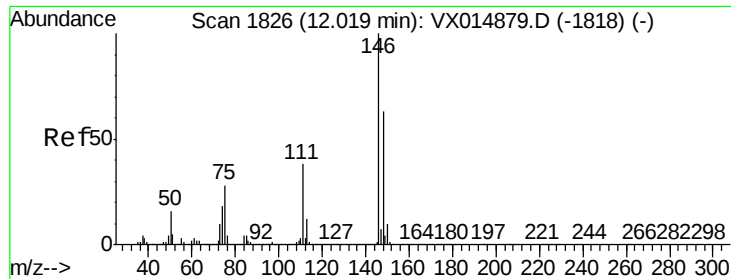
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.7 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 19.139 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

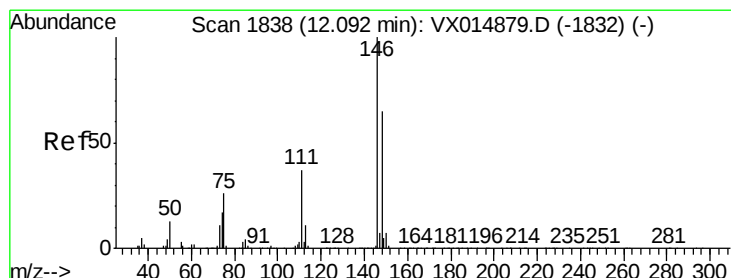
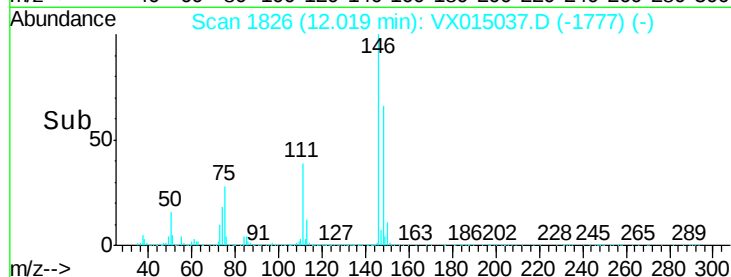
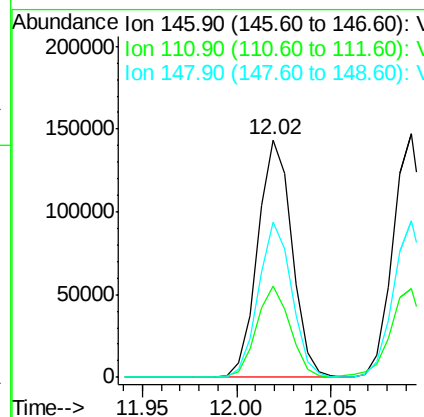
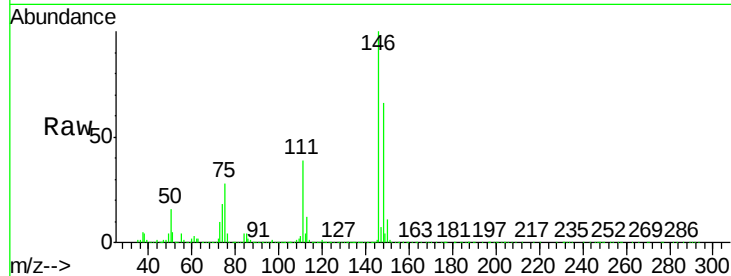
ClientSampleId :

VX0227WBSD02

Tot Ion:	146	Resp:	180307
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	56.0
148	63.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 18.753 ug/l

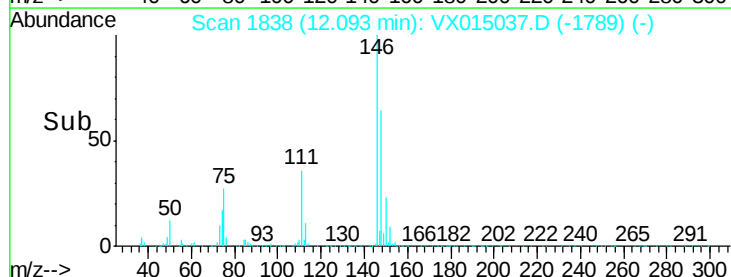
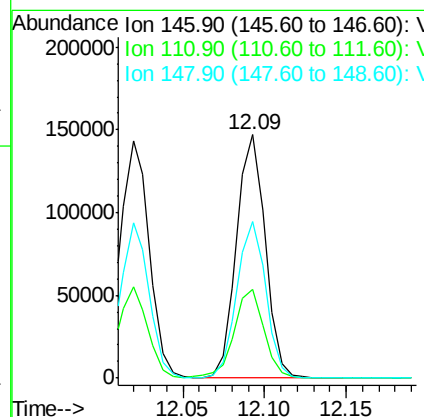
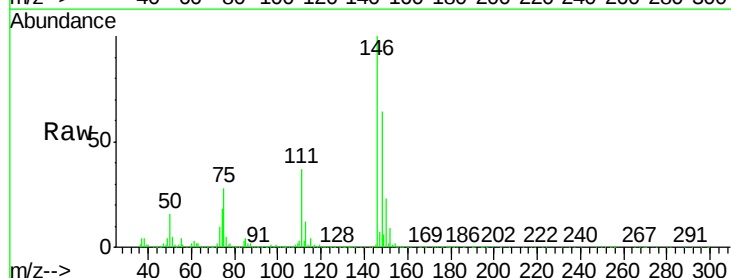
RT: 12.09 min Scan# 1838

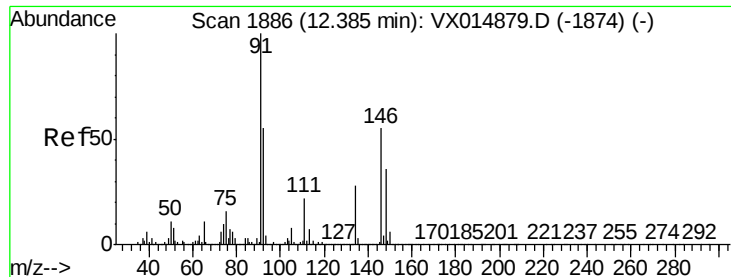
Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	146	Resp:	180414
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.6	55.6
148	64.9	32.4	97.0





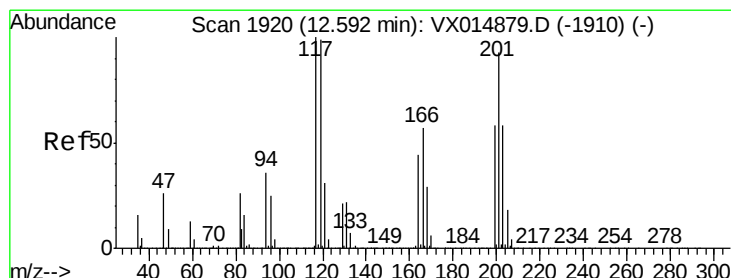
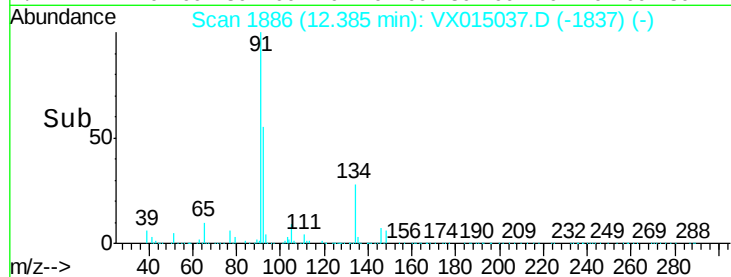
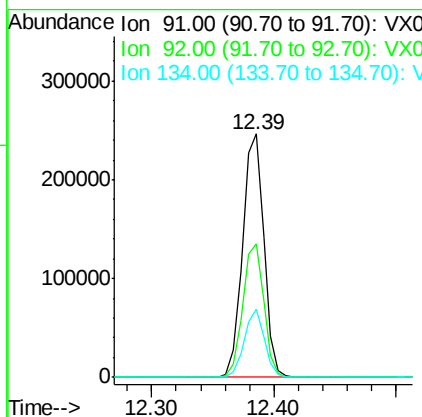
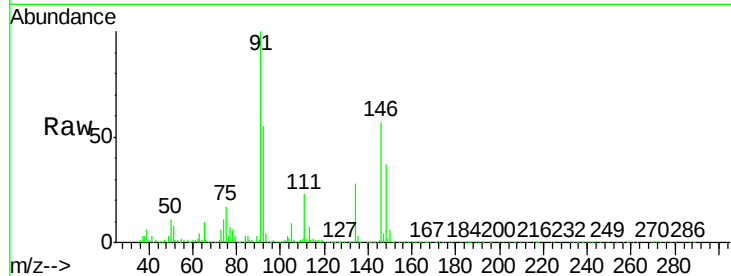
#89
n-Butylbenzene
Concen: 18.999 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	294476		
92	54.1	27.3	81.8	
134	26.7	13.8	41.4	

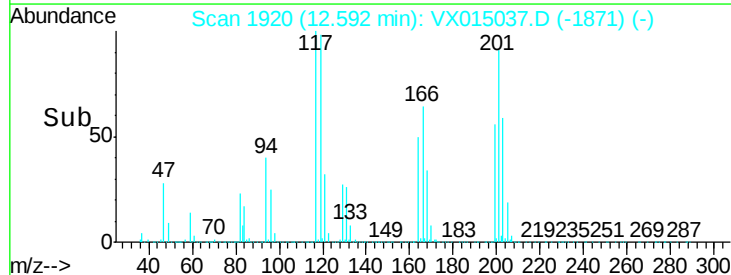
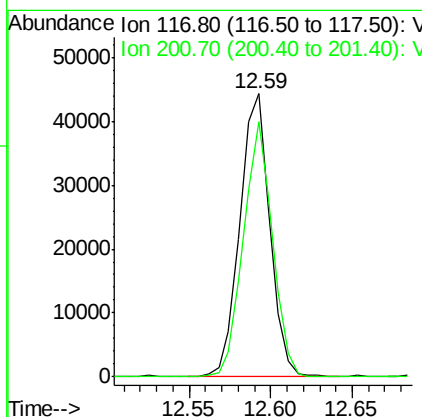
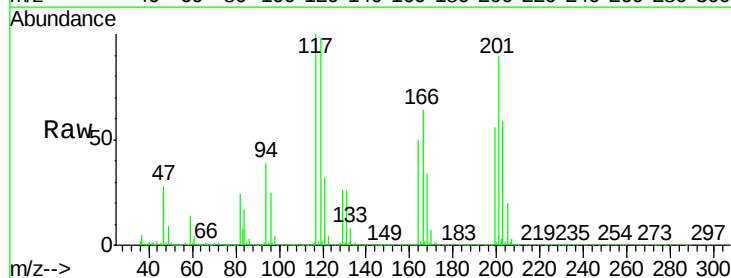
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#90
Hexachloroethane
Concen: 18.762 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56703		
201	87.5	44.8	134.3	





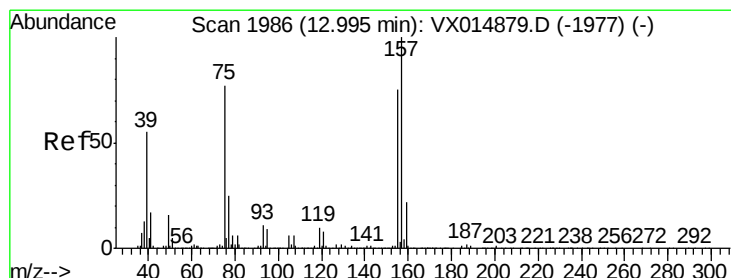
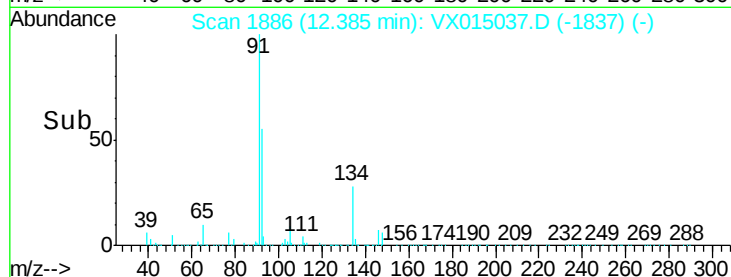
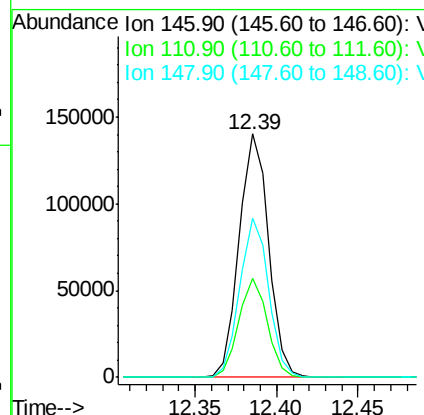
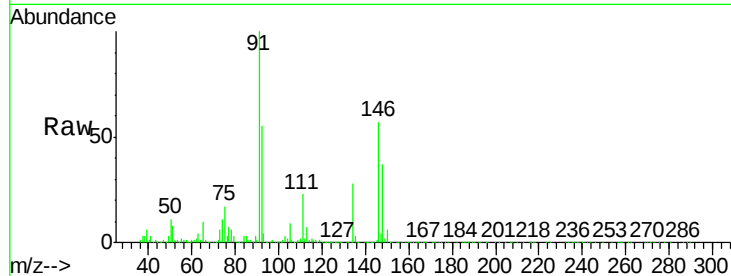
#91
 1,2-Dichlorobenzene
 Concen: 19.090 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176369		
111	39.4	19.8	59.3	
148	64.3	32.4	97.2	

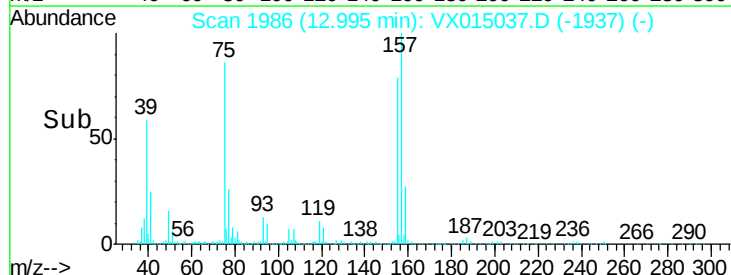
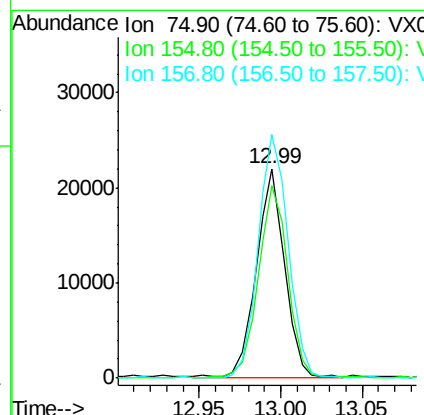
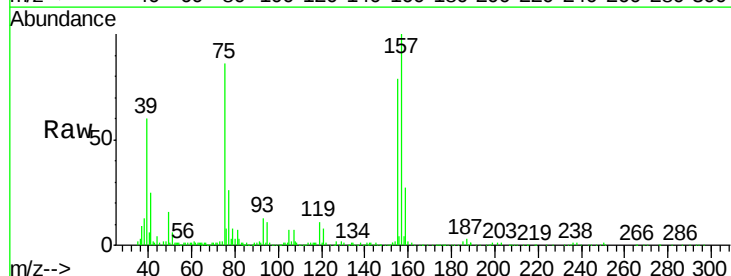
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.636 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015037.D
 Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26890		
155	94.0	48.6	145.9	
157	122.4	62.0	186.0	





#93

1,2,4-Trichlorobenzene

Concen: 19.046 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_X

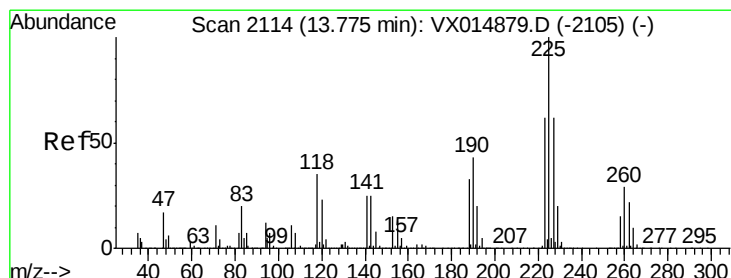
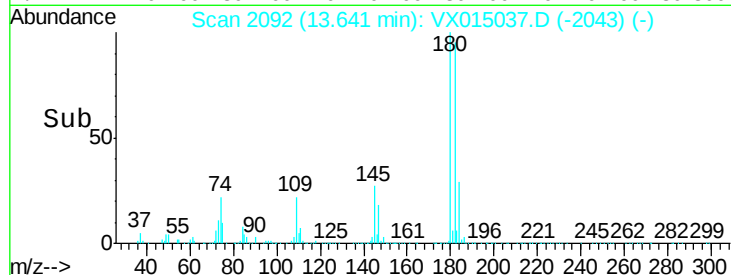
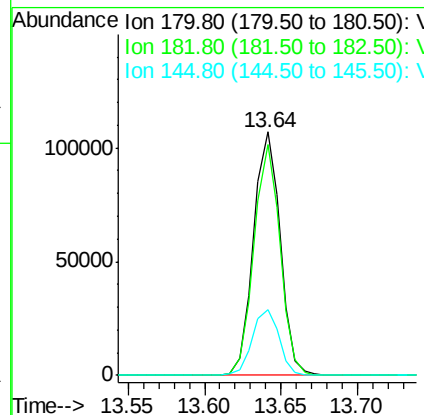
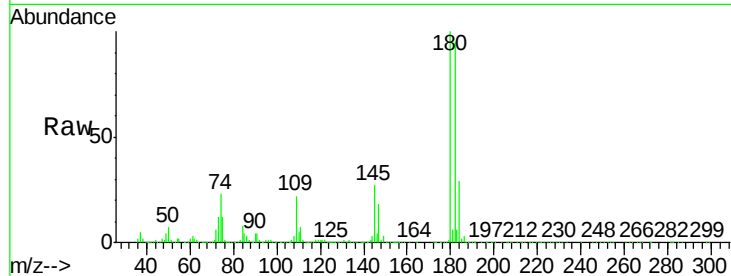
ClientSampleId :

VX0227WBSD02

Tot Ion:	180	Resp:	129880
Ion Ratio	Lower	Upper	
180	100		
182	92.9	48.4	145.3
145	27.3	14.1	42.4

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#94

Hexachlorobutadiene

Concen: 19.267 ug/l

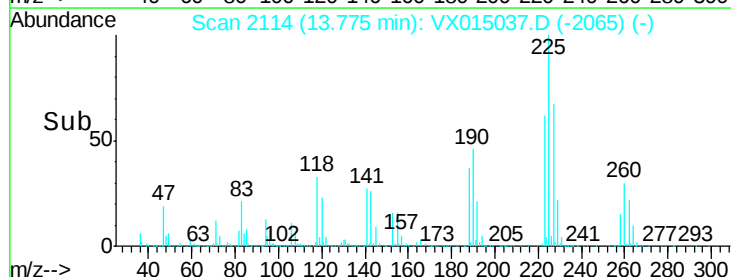
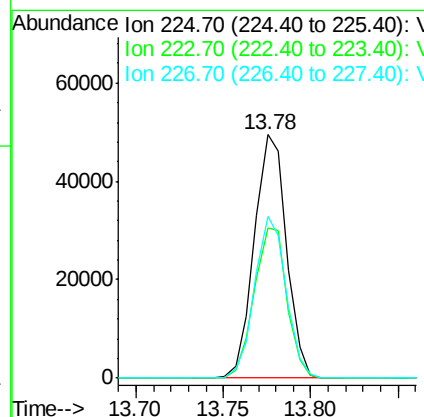
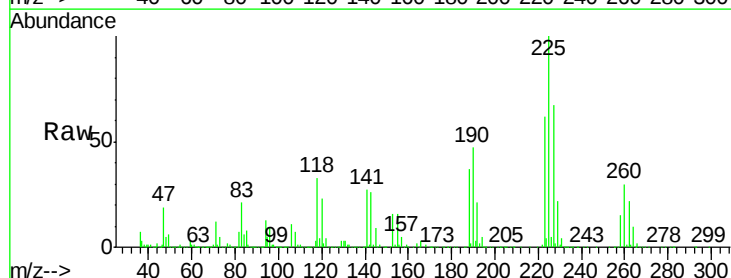
RT: 13.78 min Scan# 2114

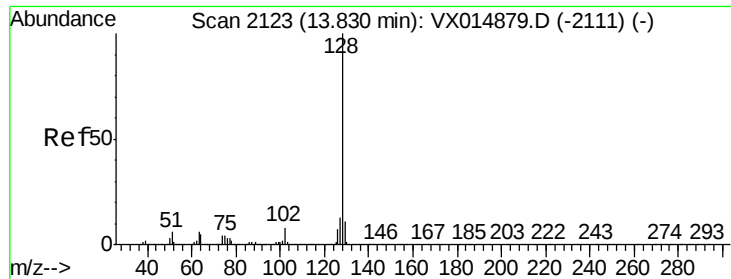
Delta R.T. 0.00 min

Lab File: VX015037.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	225	Resp:	63548
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.1	93.2
227	64.8	30.9	92.5





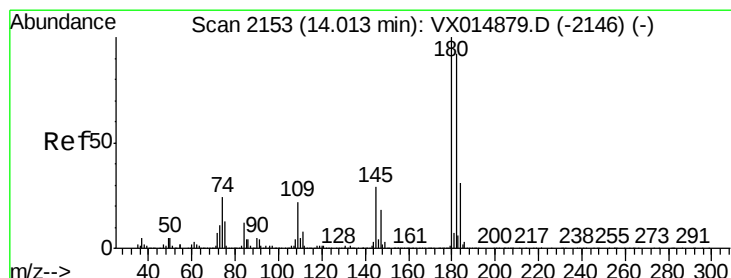
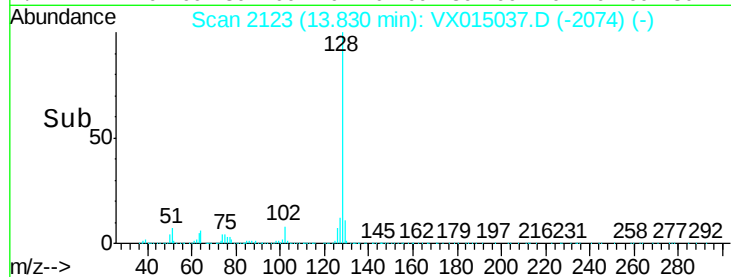
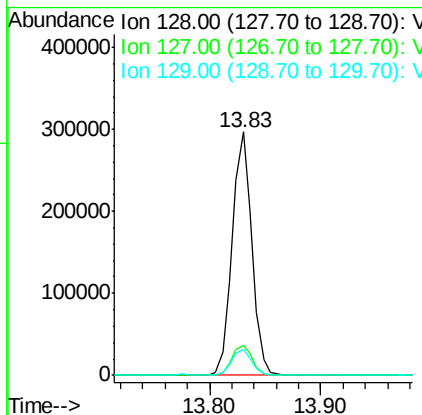
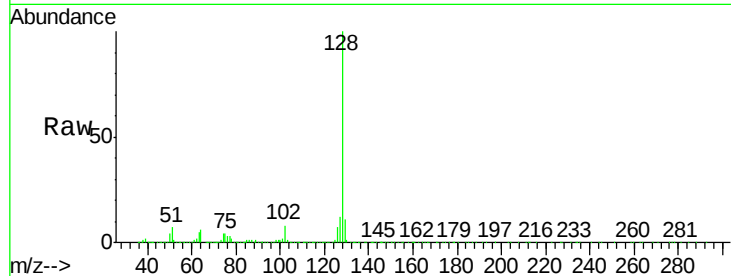
#95
Naphthalene
Concen: 19.956 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	361829		
127	13.0		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.546 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015037.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128776		
182	94.0		47.5	142.6
145	28.9		14.5	43.5

