

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011520\
 Data File : VX014617.D
 Acq On : 15 Jan 2020 14:42
 Operator : JC/SP
 Sample : VX0115WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0115WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:42:22 AM

Quant Time: Jan 16 01:53:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	78009	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	422555	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	380134	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	164298	29.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.87%
60) 4-Bromofluorobenzene	11.13	95	184781	30.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.27%
63) Toluene-d8	8.71	98	518368	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	108998	20.218	ug/l 99
3) Chloromethane	1.32	50	116043	19.660	ug/l 95
4) Vinyl Chloride	1.40	62	129059	19.473	ug/l 99
5) Bromomethane	1.64	94	74145	17.928	ug/l 100
6) Chloroethane	1.72	64	70999	19.004	ug/l 98
7) Trichlorofluoromethane	1.92	101	139262	18.978	ug/l 99
8) Diethyl Ether	2.18	74	63466	19.800	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	85287	19.865	ug/l 99
10) 1,1-Dichloroethene	2.37	96	81362	18.841	ug/l 94
11) Methyl Iodide	2.50	142	100631	17.376	ug/l 95
12) Methyl Acetate	2.76	43	156806	20.100	ug/l 99
13) Acrolein	2.28	56	73340	89.504	ug/l 96
14) Acrylonitrile	3.12	53	261915	98.121	ug/l 99
15) Acetone	2.43	58	80428	89.876	ug/l 88
16) Carbon Disulfide	2.56	76	229664	19.364	ug/l 99
17) Allyl chloride	2.72	41	145764	18.239	ug/l 96
18) Methylene Chloride	2.84	84	101878	20.158	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	90161	19.395	ug/l 96
20) Diisopropyl ether	3.84	45	311647	19.709	ug/l 97
21) 1,1-Dichloroethane	3.69	63	164884	19.194	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	101984	19.091	ug/l 95
23) tert-Butyl Alcohol	3.01	59	112492	101.901	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	286472	19.933	ug/l 100
25) Chloroform	5.19	83	158593	19.059	ug/l 99
26) Cyclohexane	5.57	56	153904	19.424	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	121524	19.610	ug/l 98
30) 2-Butanone	4.65	43	376503	95.909	ug/l 99
31) 2,2-Dichloropropane	4.57	77	128037	19.309	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	131589	19.193	ug/l 100
33) Carbon Tetrachloride	5.77	117	112147	19.053	ug/l 98
34) Benzene	6.13	78	373383	19.498	ug/l 98
35) Methacrylonitrile	5.02	41	75996	19.384	ug/l 96
36) 1,2-Dichloroethane	6.18	62	131952	19.800	ug/l 99
37) Trichloroethene	7.20	130	103790	19.795	ug/l 94
38) Methylcyclohexane	7.45	83	150778	19.541	ug/l 100
39) 1,2-Dichloropropane	7.50	63	96960	19.471	ug/l 96
40) Dibromomethane	7.65	93	63618	19.879	ug/l 100

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Quant Time: Jan 16 01:53:31 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	122780	19.592	ug/l	97
42) Vinyl Acetate	3.80	43	1218983	100.746	ug/l	99
43) Ethyl Acetate	4.81	43	138721	19.521	ug/l	99
44) Isopropyl Acetate	6.43	43	224170	19.554	ug/l	98
45) 1,4-Dioxane	7.73	88	47912	417.808	ug/l	99
46) Methyl methacrylate	7.76	41	108902	19.317	ug/l	100
47) n-amyl Acetate	10.89	43	187358	19.505	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	133340	19.488	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	149713	19.419	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	94562	19.419	ug/l	98
51) Ethyl methacrylate	9.17	69	146417	19.311	ug/l	97
52) 1,3-Dichloropropane	9.36	76	163939	19.870	ug/l	100
53) Dibromochloromethane	9.57	129	96624	19.399	ug/l	99
54) 1,2-Dibromoethane	9.67	107	100006	19.802	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	325818	93.501	ug/l	99
56) Bromoform	10.85	173	73876	19.255	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	717756	100.266	ug/l	99
59) 2-Hexanone	9.48	43	546914	98.787	ug/l	99
61) Tetrachloroethene	9.33	164	106810	19.010	ug/l	96
62) Toluene	8.78	91	402843	19.974	ug/l	99
64) Chlorobenzene	10.13	112	254863	20.243	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	92059	19.798	ug/l	98
66) Ethyl Benzene	10.25	91	438034	19.940	ug/l	98
67) m/p-Xylenes	10.36	106	333983	39.692	ug/l	100
68) o-Xylene	10.69	106	164592	20.088	ug/l	98
69) Styrene	10.71	104	271745	19.574	ug/l	99
70) Isopropylbenzene	11.01	105	432148	20.132	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	144203	19.943	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	124886m	20.192	ug/l	
73) Bromobenzene	11.25	156	112177	19.714	ug/l	100
74) n-propylbenzene	11.35	91	494093	20.144	ug/l	99
75) 2-Chlorotoluene	11.42	91	293106	19.938	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	359574	20.103	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	44768	18.807	ug/l	95
78) 4-Chlorotoluene	11.51	91	333484	19.975	ug/l	98
79) tert-butylbenzene	11.76	119	338813	20.244	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	356141	19.963	ug/l	100
81) sec-Butylbenzene	11.94	105	410623	19.828	ug/l	99
82) p-Isopropyltoluene	12.06	119	381614	20.185	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	199377	20.067	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	197362	20.036	ug/l	100
85) n-Butylbenzene	12.38	91	324408	19.611	ug/l	99
86) Hexachloroethane	12.59	117	65821	19.414	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	200771	20.027	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	29566	19.142	ug/l	96
89) 1,2,4-Trichlorobenzene	13.64	180	134284	20.293	ug/l	99
90) Hexachlorobutadiene	13.78	225	67458	20.402	ug/l	97
91) Naphthalene	13.83	128	393768	19.714	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	135330	20.093	ug/l	99

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ClientSampleId :
VX0115WBSD01

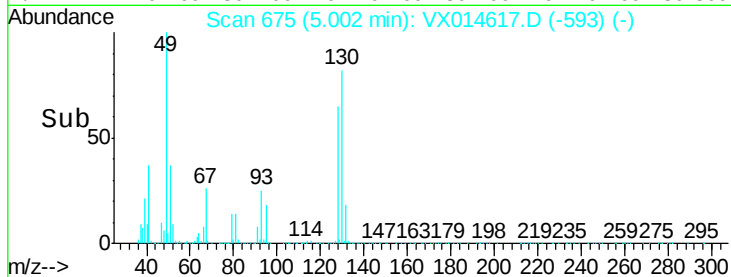
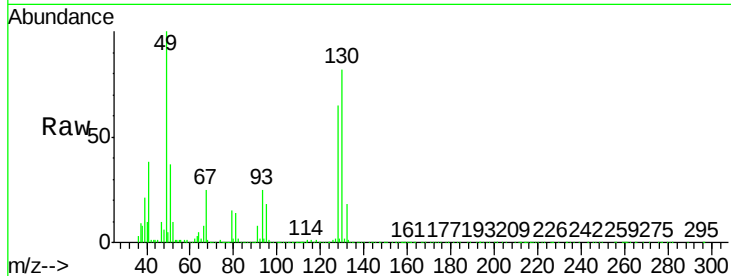
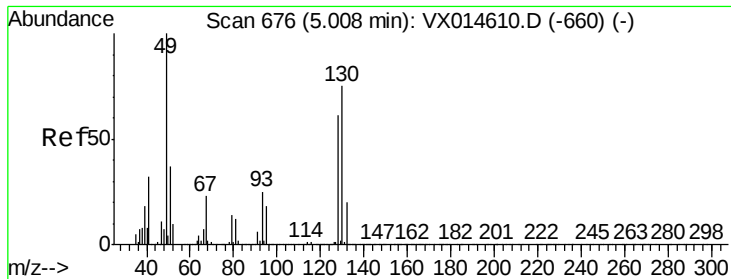
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014617.D

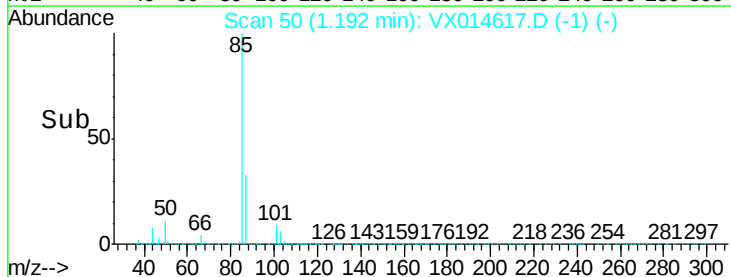
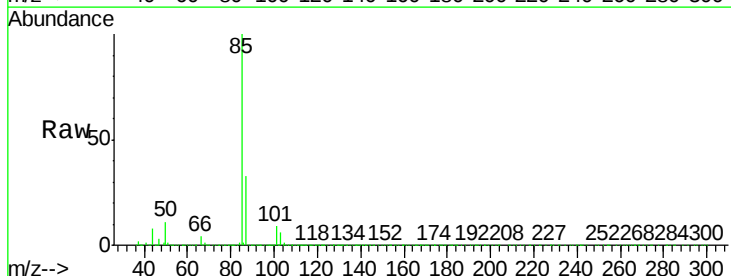
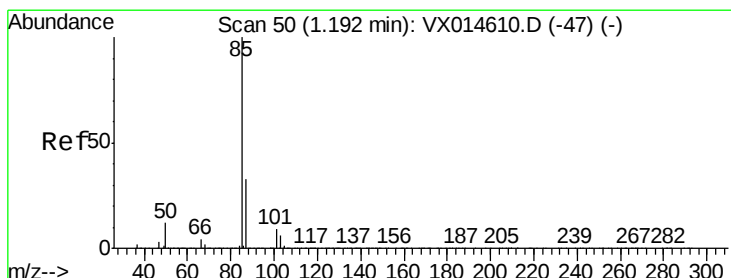
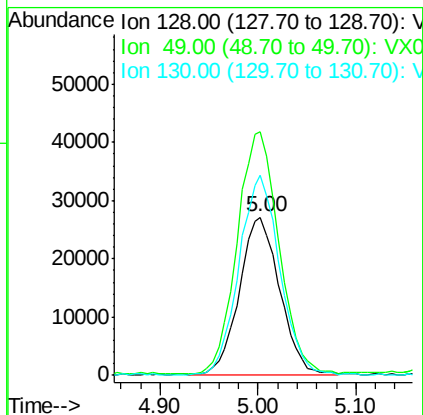
Acq: 15 Jan 2020 14:42

Tot Ion:	128	Resp:	78009
Ion	Ratio	Lower	Upper
128	100		
49	158.0	0.0	405.0
130	126.6	0.0	321.5

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.218 ug/l

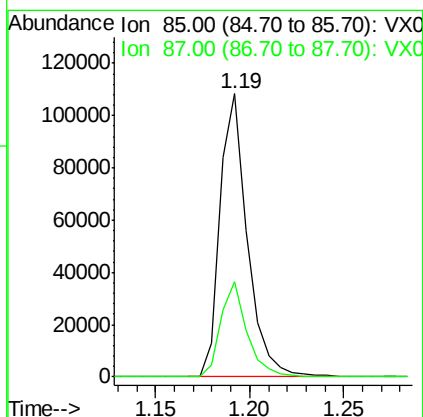
RT: 1.19 min Scan# 50

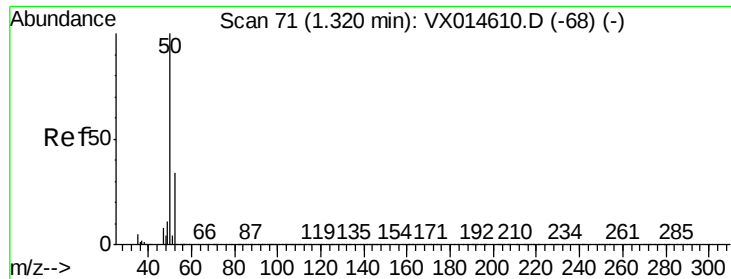
Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	85	Resp:	108998
Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.3	48.9





#3

Chloromethane

Concen: 19.660 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 50 Resp: 116043

Ion Ratio Lower Upper

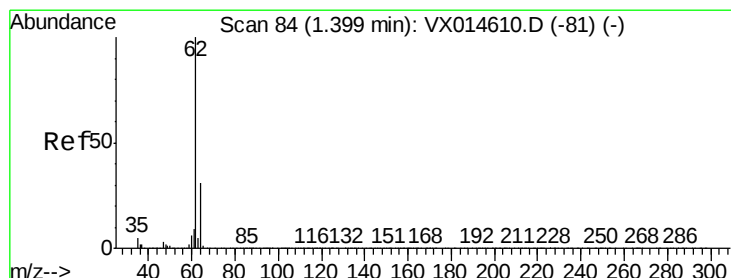
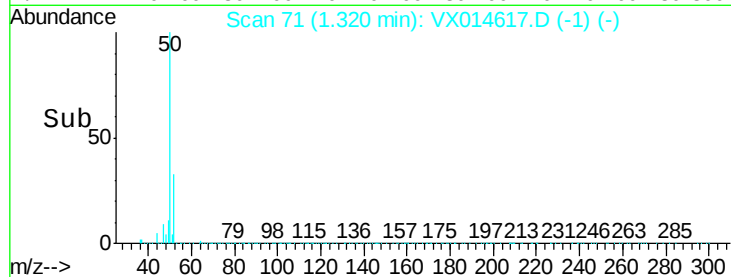
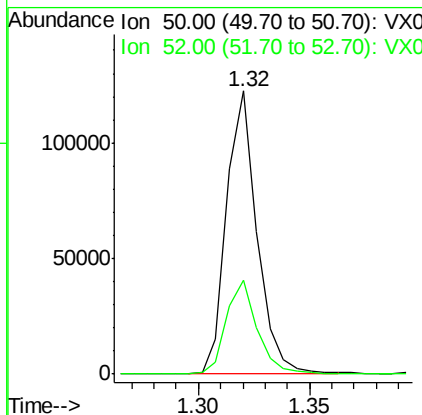
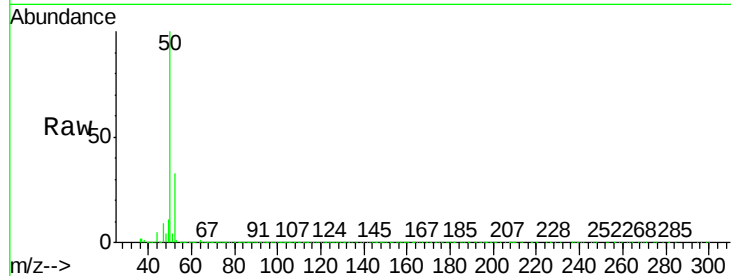
50 100

52 33.2 24.3 36.5

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#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014617.D

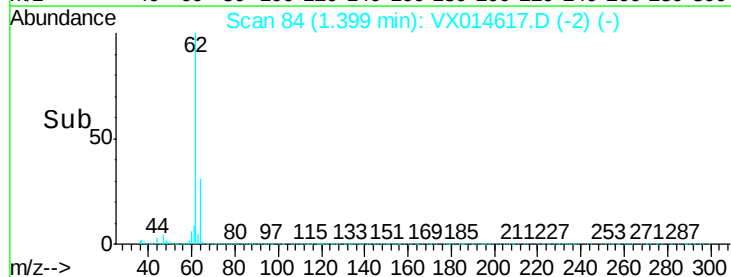
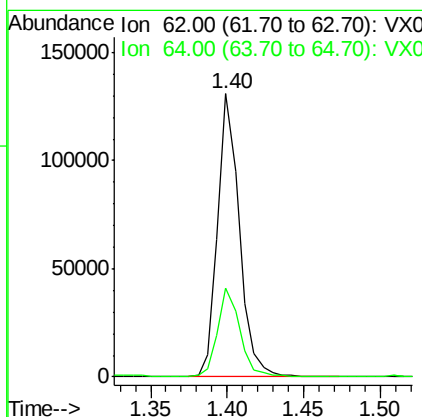
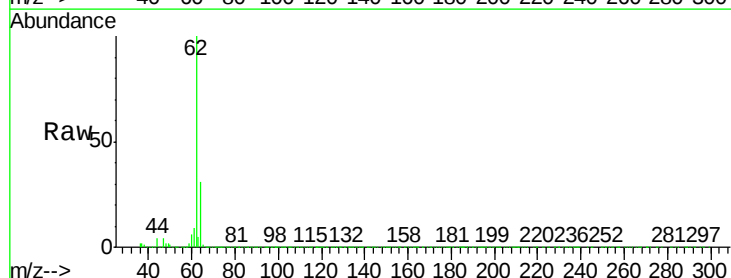
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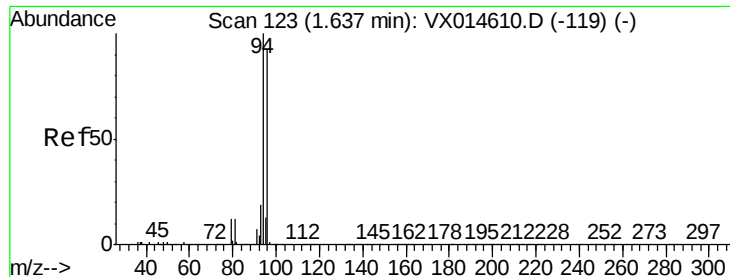
Tgt Ion: 62 Resp: 129059

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 17.928 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 94 Resp: 74145

Ion Ratio Lower Upper

94 100

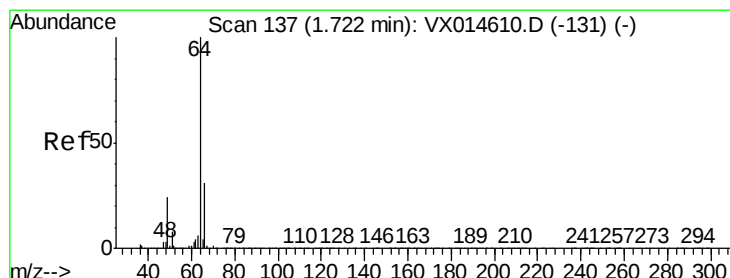
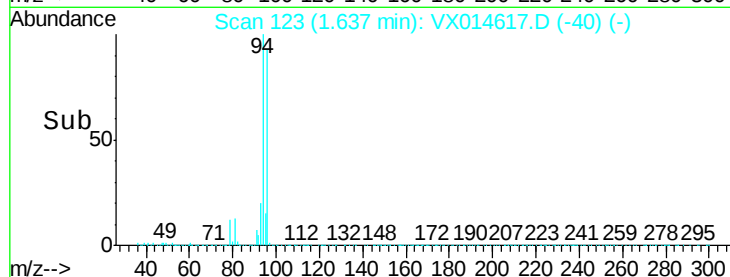
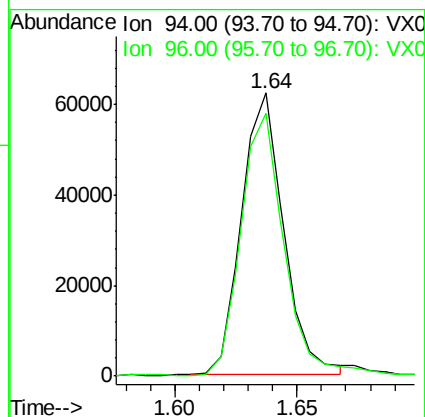
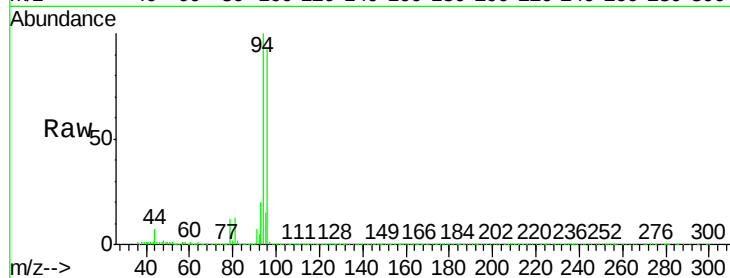
96 93.3 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 19.004 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014617.D

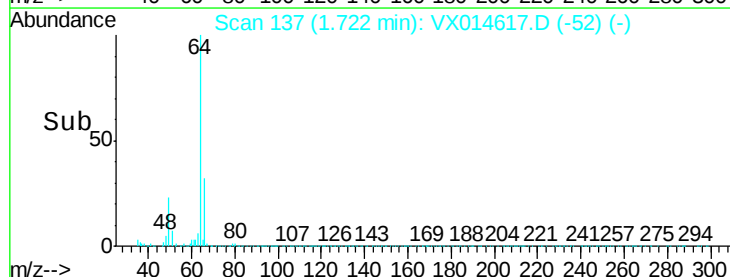
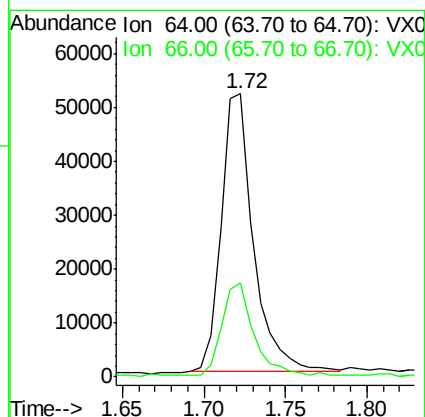
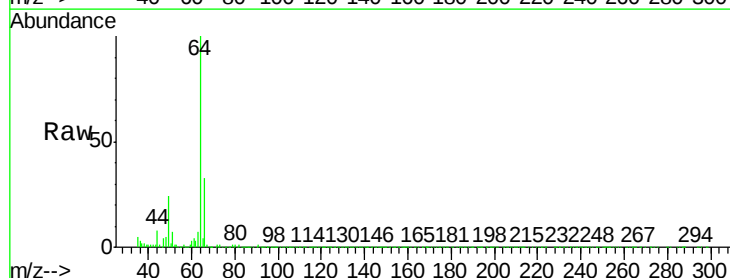
Acq: 15 Jan 2020 14:42

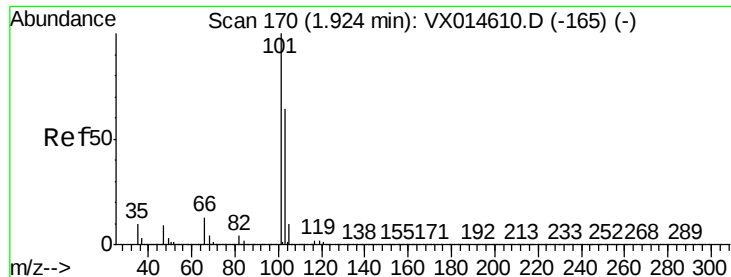
Tgt Ion: 64 Resp: 70999

Ion Ratio Lower Upper

64 100

66 32.9 25.2 37.8





#7

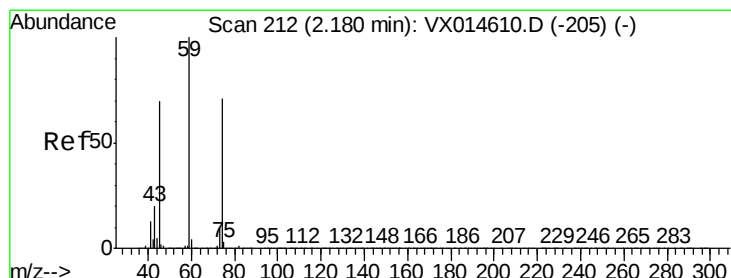
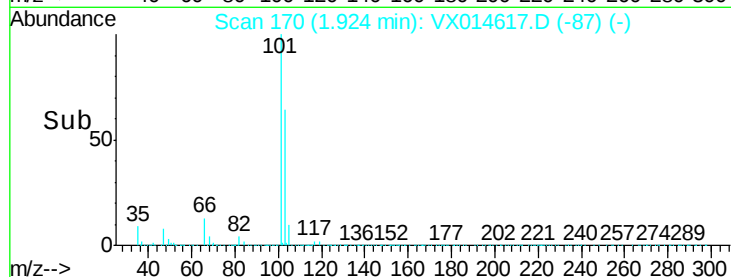
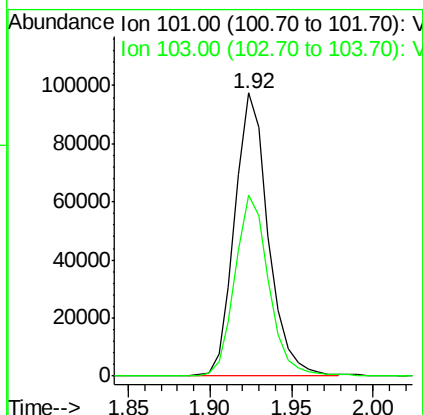
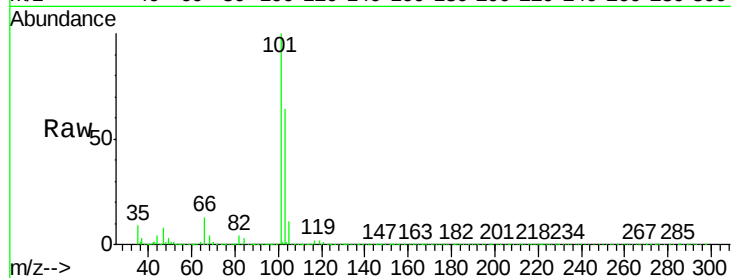
Trichlorofluoromethane
Concen: 18.978 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

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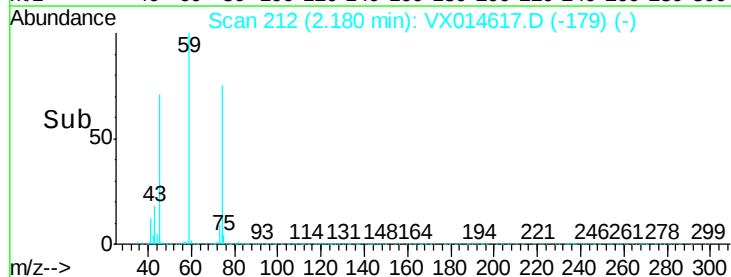
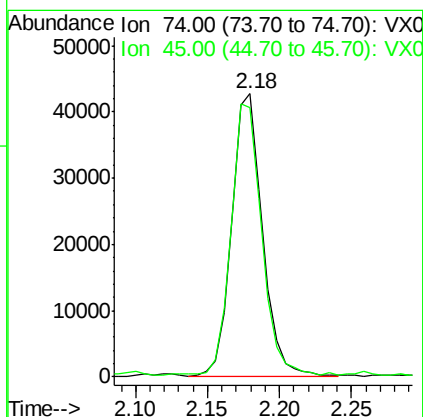
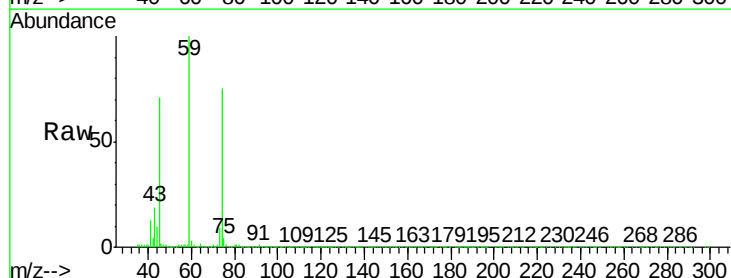
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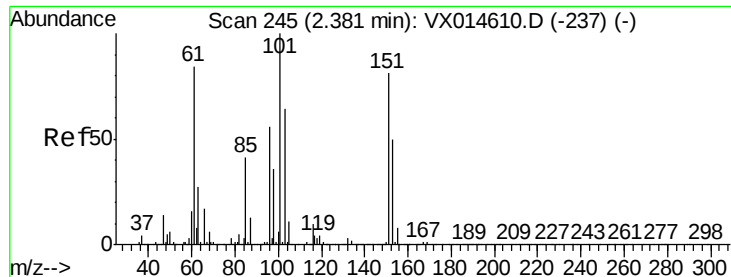


#8

Diethyl Ether
Concen: 19.800 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.865 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

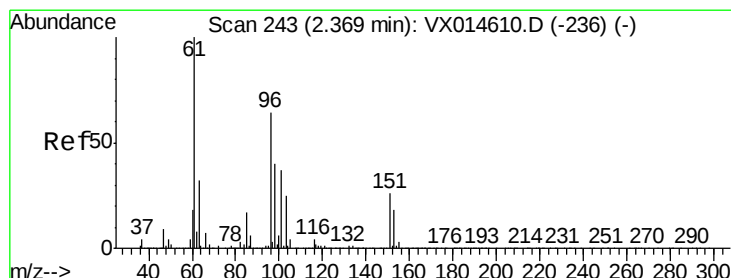
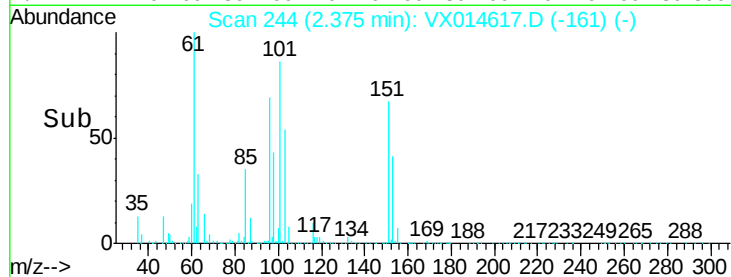
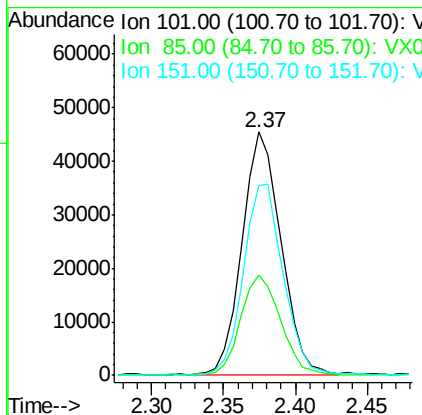
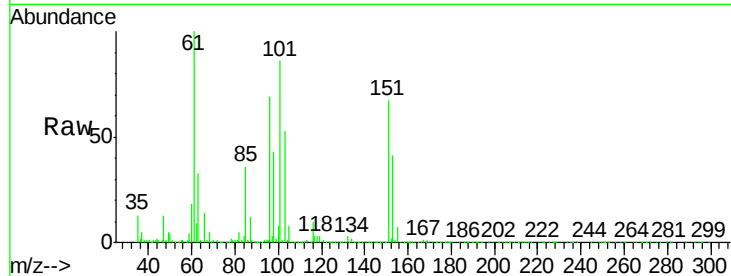
ClientSampleId :

VX0115WBSD01

Tot Ion:	101	Resp:	85287
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	85.6
151	80.1	0.0	159.4

Manual Integrations
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1/16/2020 9:42:22 AM



#10

1,1-Dichloroethene

Concen: 18.841 ug/l

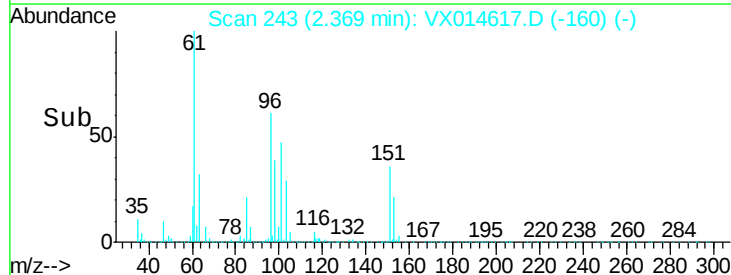
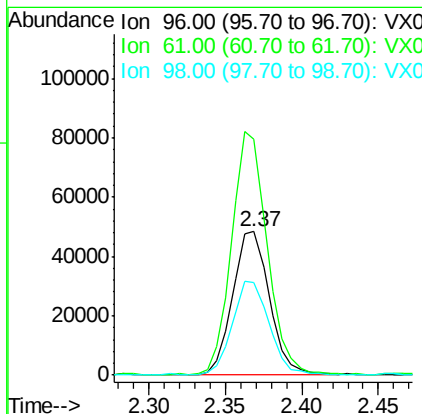
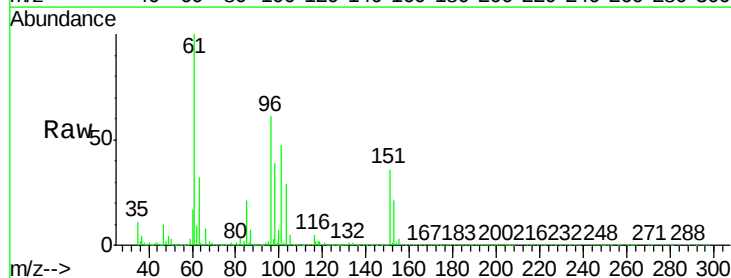
RT: 2.37 min Scan# 243

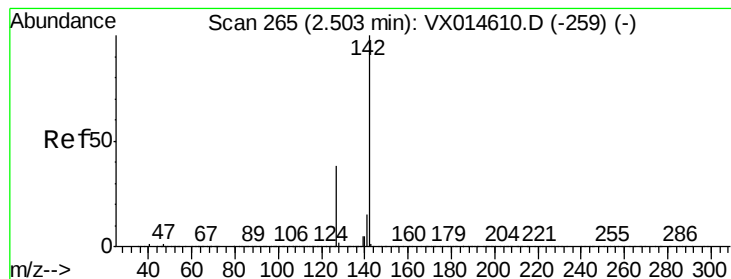
Delta R.T. 0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	96	Resp:	81362
Ion Ratio	Lower	Upper	
96	100		
61	164.3	123.0	184.6
98	64.7	51.4	77.0





#11

Methvl Iodide

Concen: 17.376 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

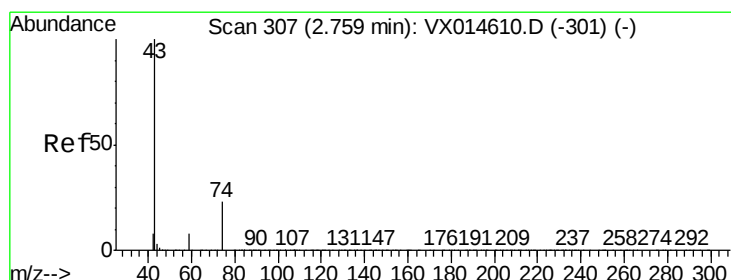
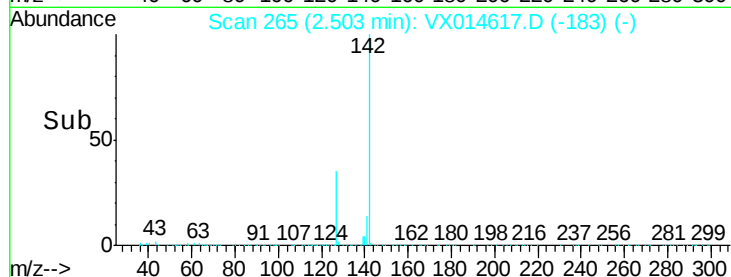
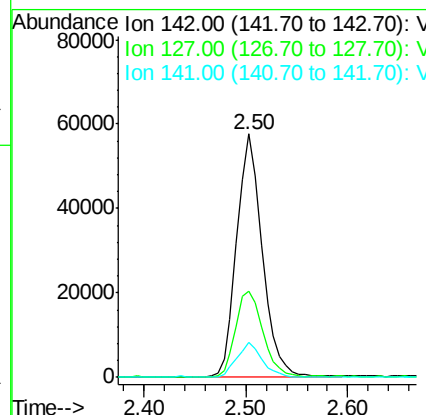
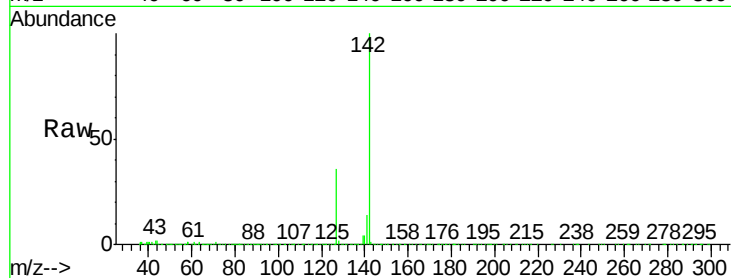
ClientSampleId :

VX0115WBSD01

Tot Ion:	142	Resp:	100631
Ion Ratio	Lower	Upper	
142	100		
127	35.2	19.5	58.5
141	14.1	7.0	20.9

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#12

Methyl Acetate

Concen: 20.100 ug/l

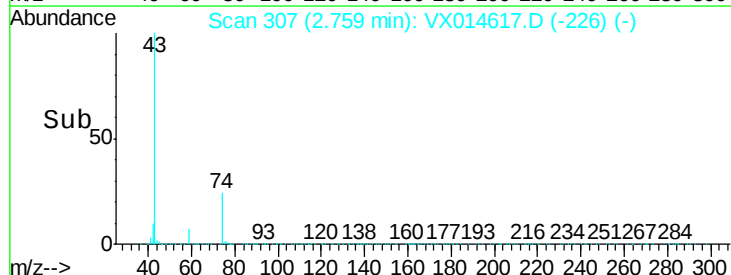
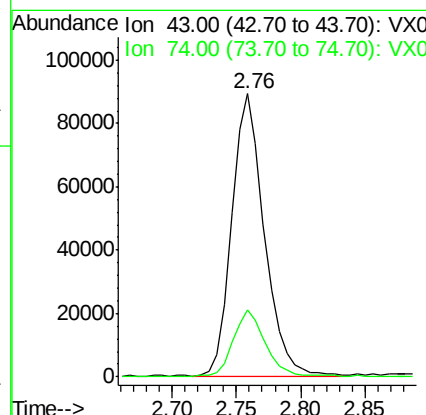
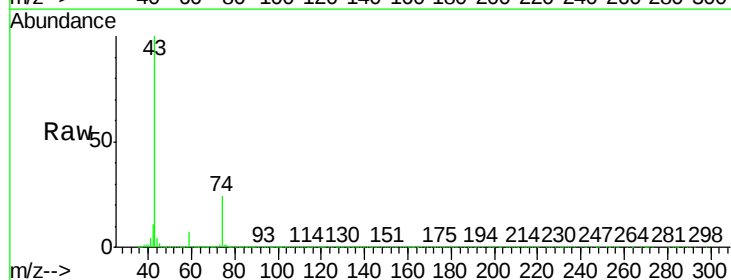
RT: 2.76 min Scan# 307

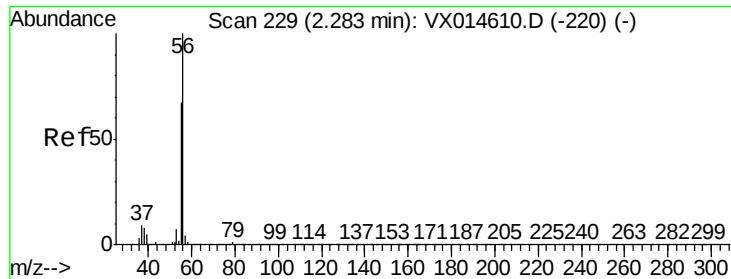
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	43	Resp:	156806
Ion Ratio	Lower	Upper	
43	100		
74	23.4	18.5	27.7





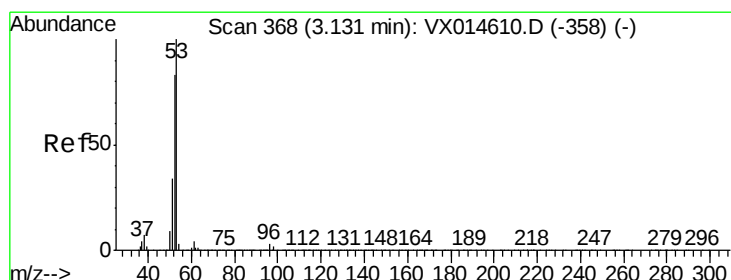
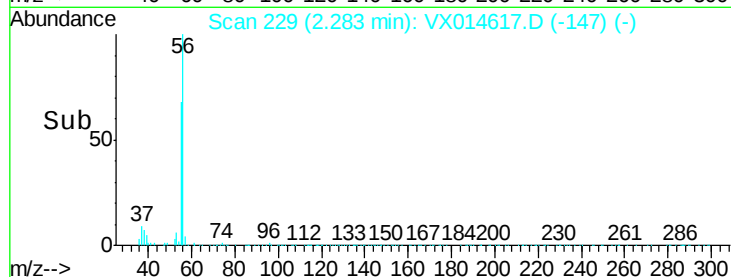
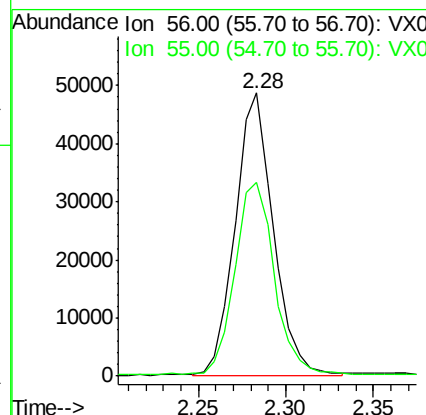
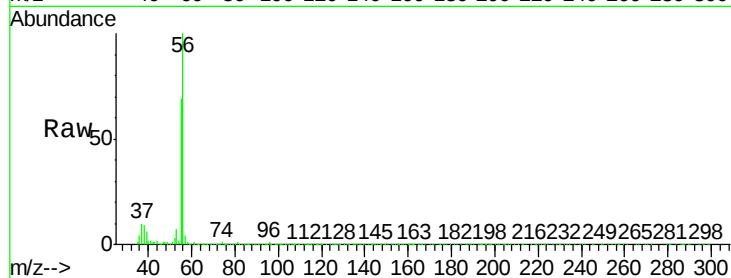
#13
Acrolein
Concen: 89.504 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.5	54.9	82.3	

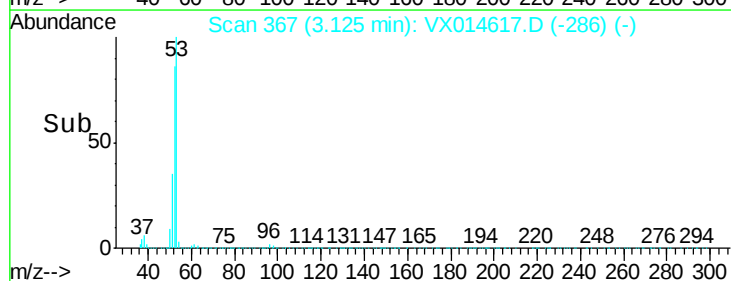
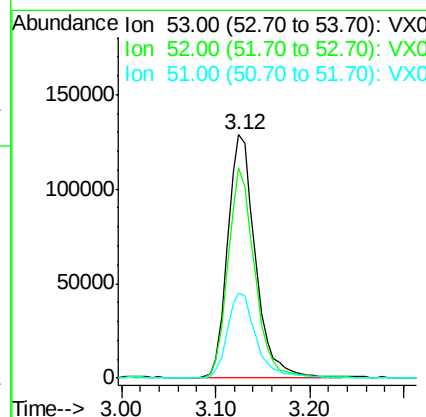
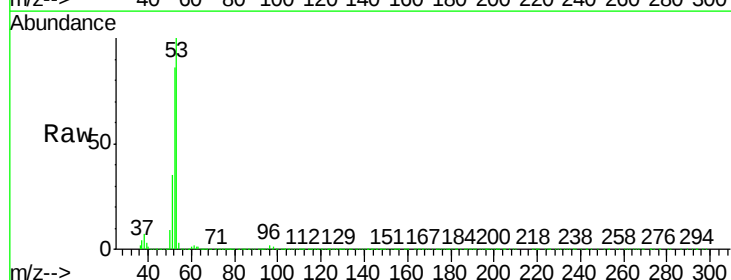
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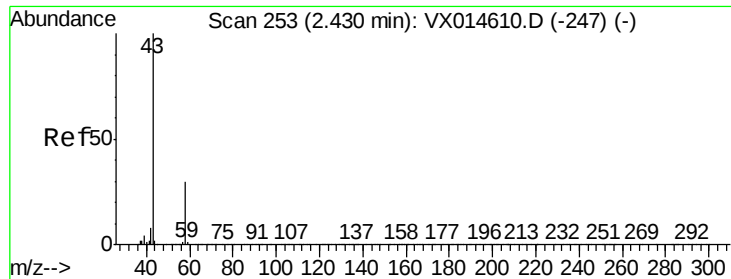
MMDadoda
1/16/2020 9:42:22 AM



#14
Acrylonitrile
Concen: 98.121 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.6	41.5	124.6	
51	36.0	17.8	53.5	





#15

Acetone

Concen: 89.876 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 58 Resp: 80428

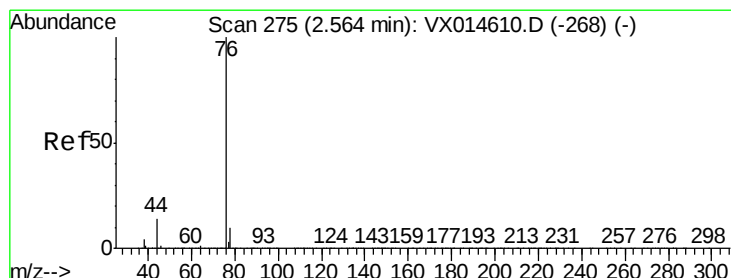
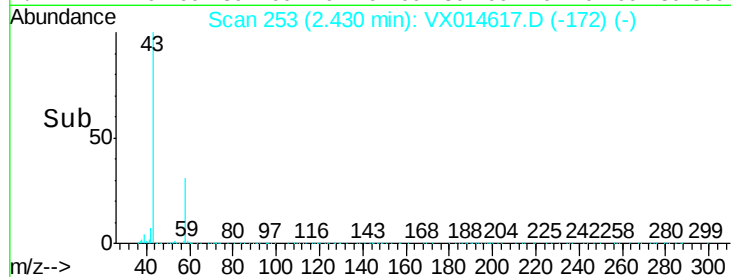
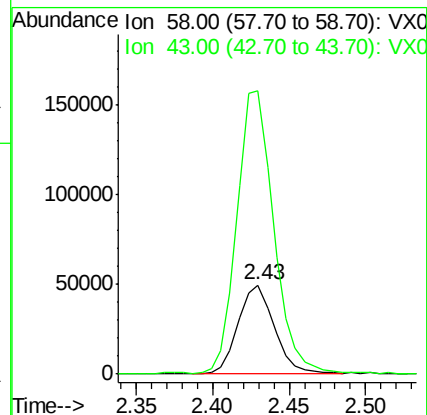
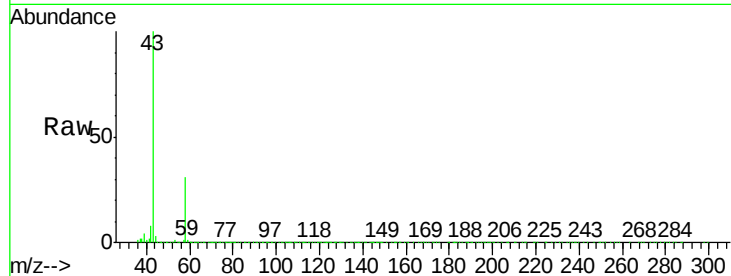
Ion Ratio Lower Upper

58 100

43 318.6 236.3 354.5

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#16

Carbon Disulfide

Concen: 19.364 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014617.D

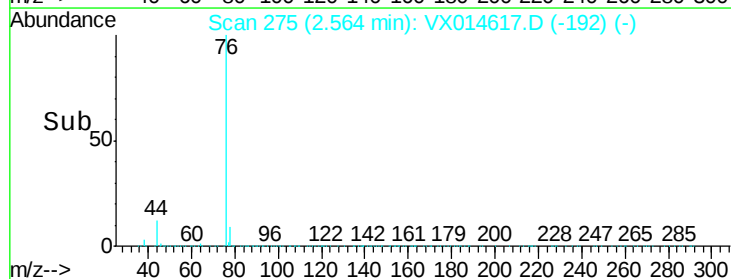
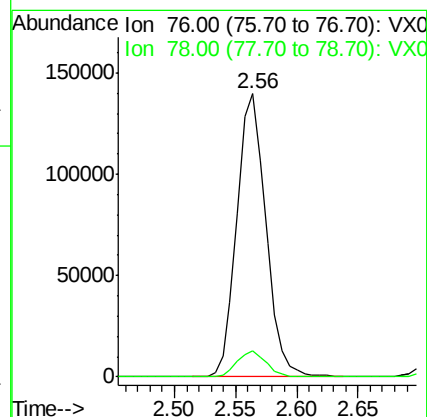
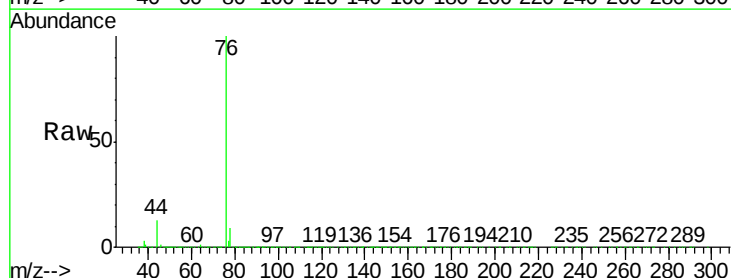
Acq: 15 Jan 2020 14:42

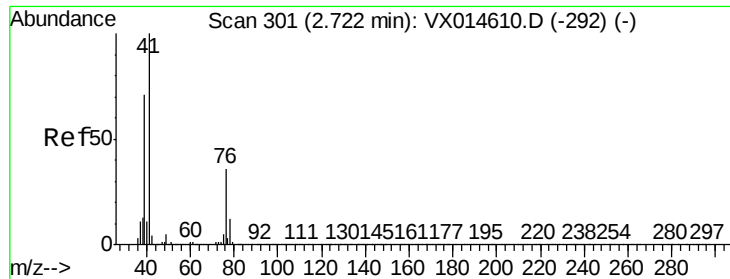
Tgt Ion: 76 Resp: 229664

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8





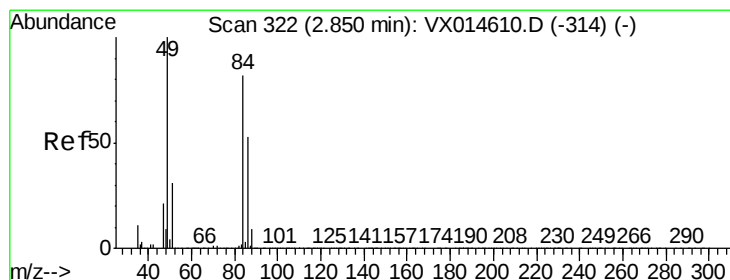
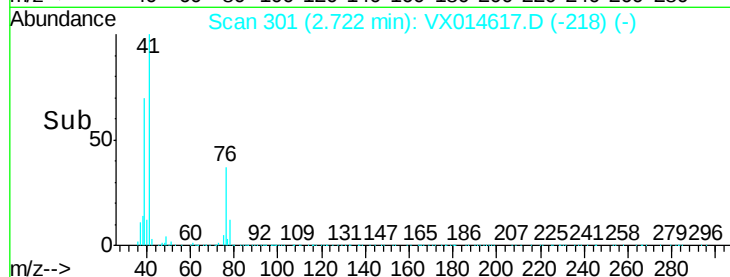
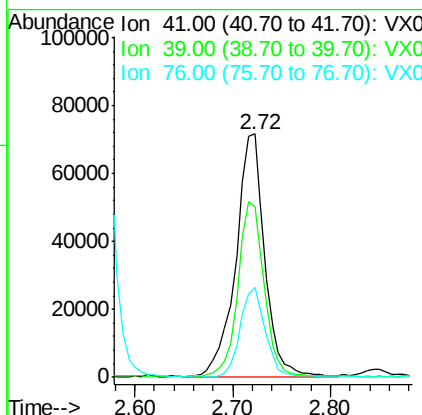
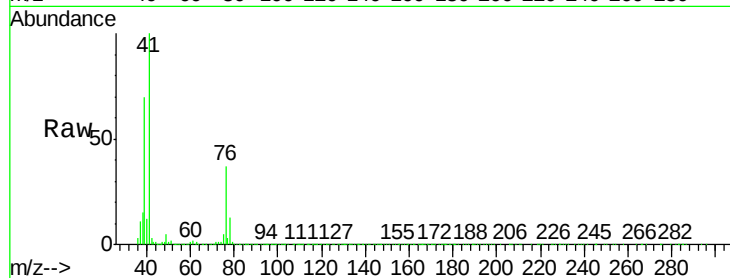
#17
Allvl chloride
Concen: 18.239 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.7	33.4	100.2
76	37.3	17.0	50.9

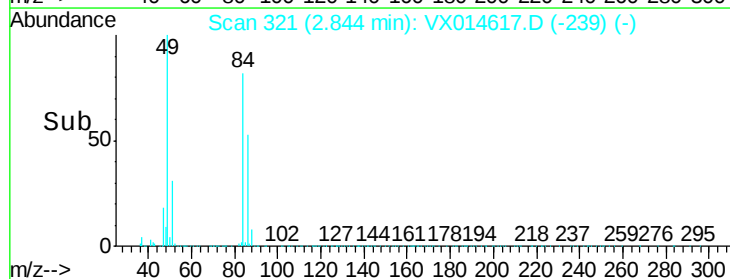
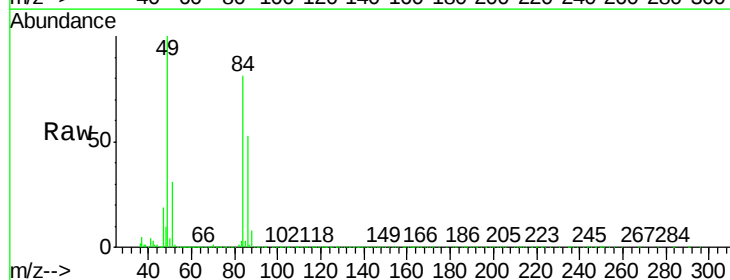
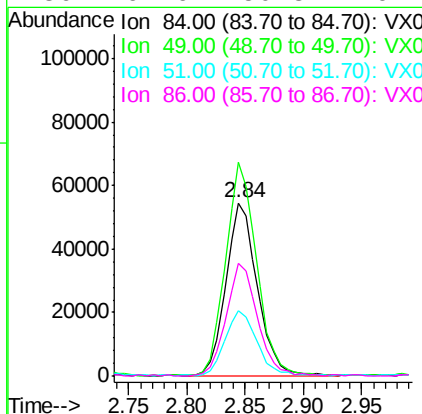
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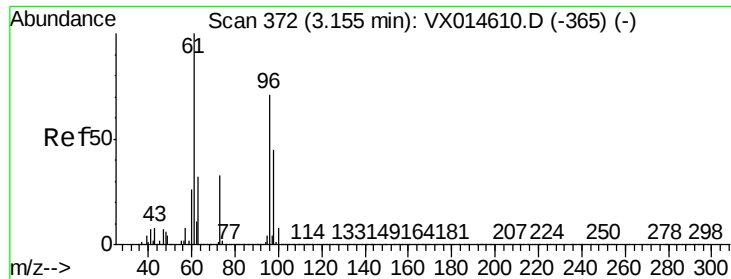
MMDadoda
1/16/2020 9:42:22 AM



#18
Methylene Chloride
Concen: 20.158 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.9	102.2	153.2
51	37.7	31.4	47.0
86	64.6	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.395 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

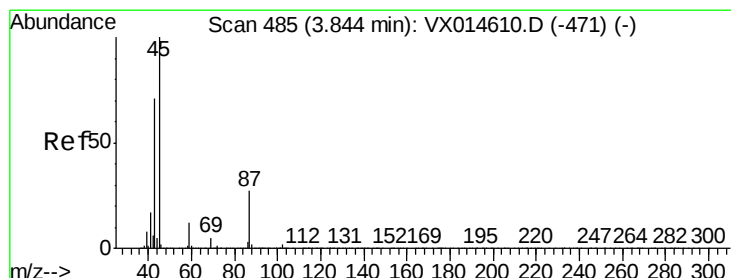
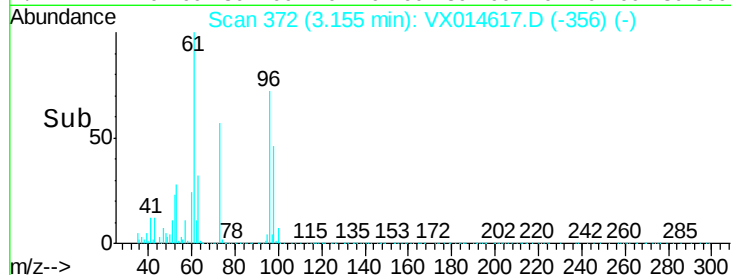
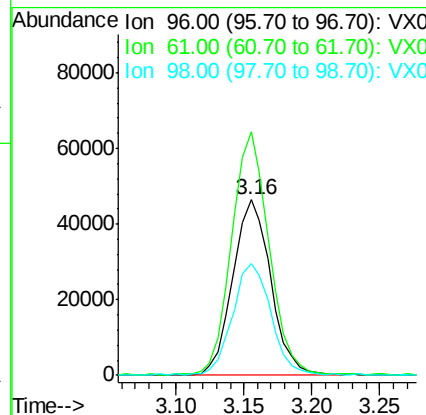
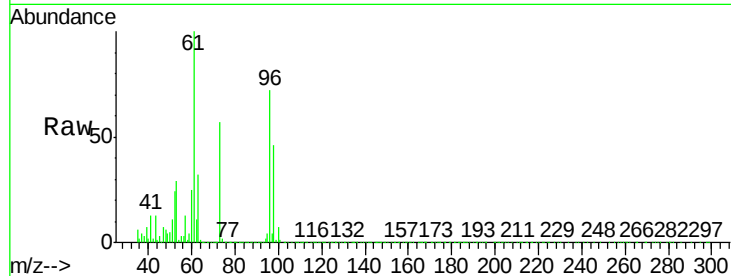
ClientSampleId :

VX0115WBSD01

Tot Ion:	96	Resp:	90161
Ion Ratio	Lower	Upper	
96	100		
61	138.6	106.6	159.8
98	63.2	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.709 ug/l

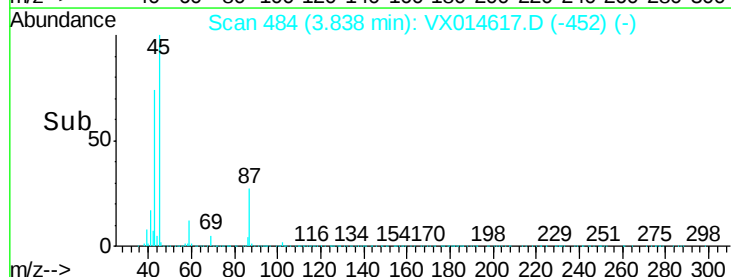
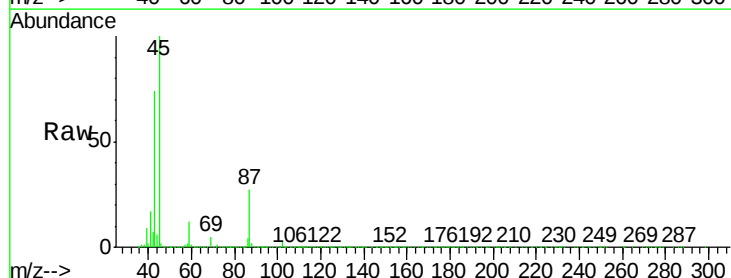
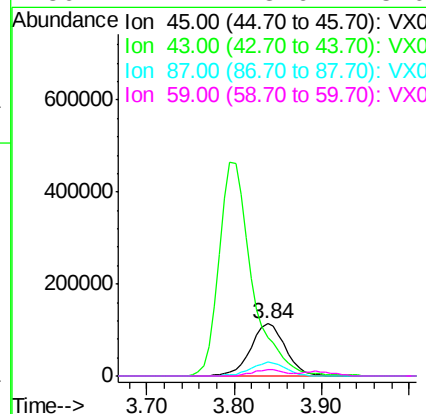
RT: 3.84 min Scan# 484

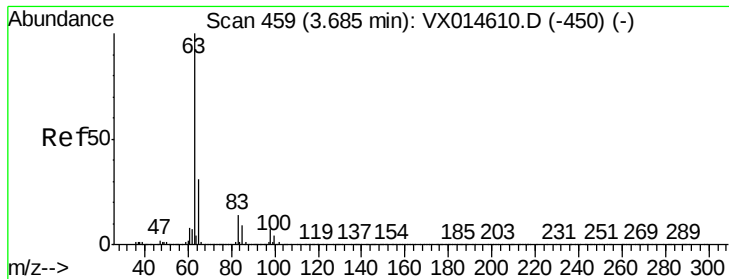
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	45	Resp:	311647
Ion Ratio	Lower	Upper	
45	100		
43	73.0	55.9	83.9
87	27.1	22.2	33.2
59	11.4	8.6	13.0





#21

1,1-Dichloroethane

Concen: 19.194 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

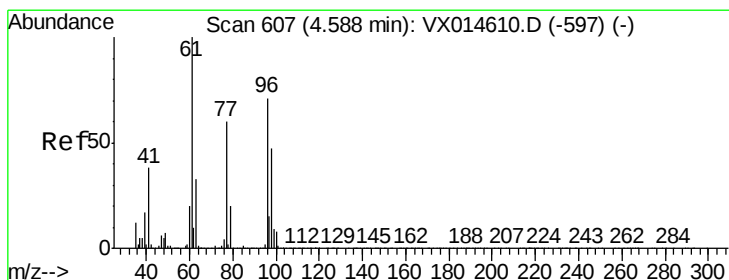
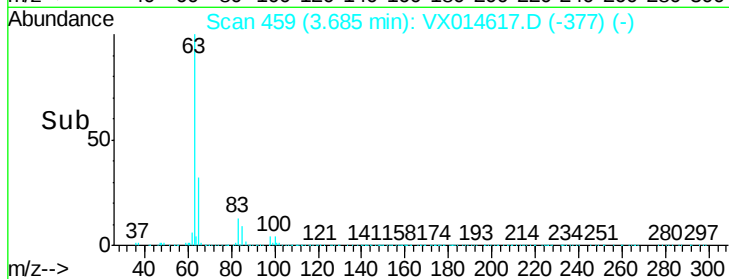
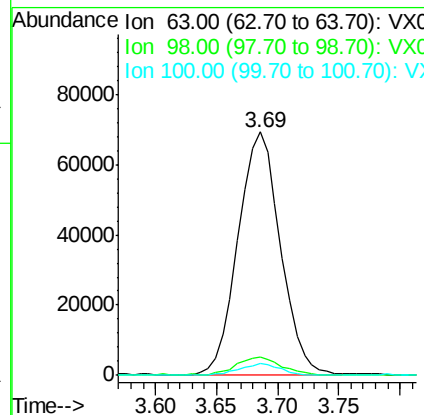
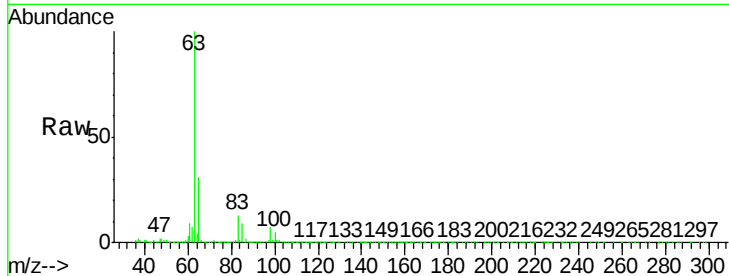
ClientSampleId :

VX0115WBSD01

Tot Ion:	63	Resp:	164884
Ion Ratio	Lower	Upper	
63	100		
98	7.1	3.4	10.1
100	4.7	2.5	7.4

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#22

cis-1,2-Dichloroethene

Concen: 19.091 ug/l

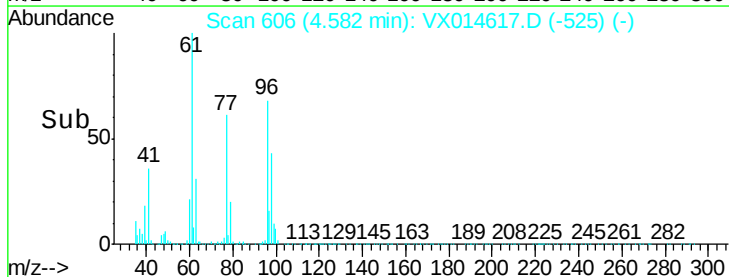
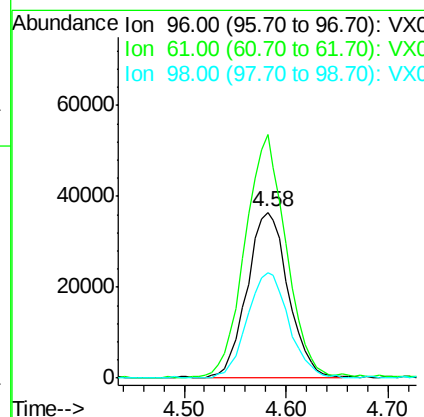
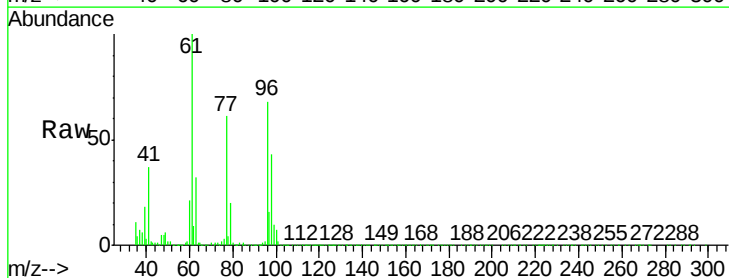
RT: 4.58 min Scan# 606

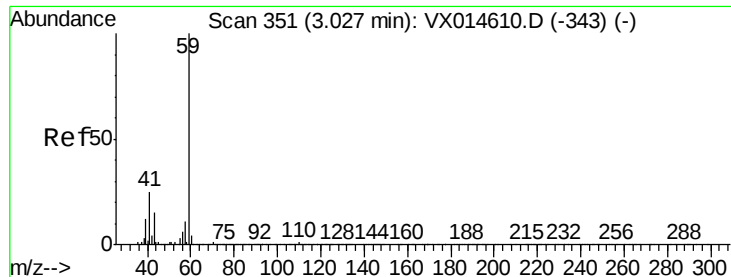
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	96	Resp:	101984
Ion Ratio	Lower	Upper	
96	100		
61	147.3	112.4	168.6
98	64.5	50.3	75.5





#23

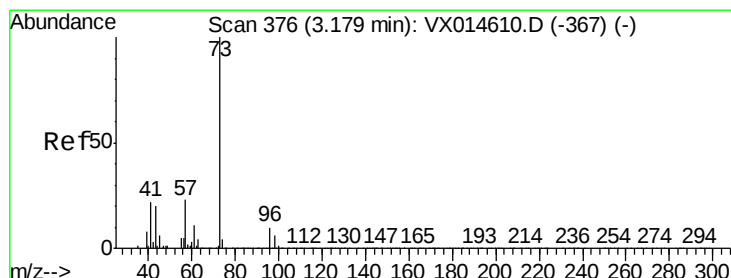
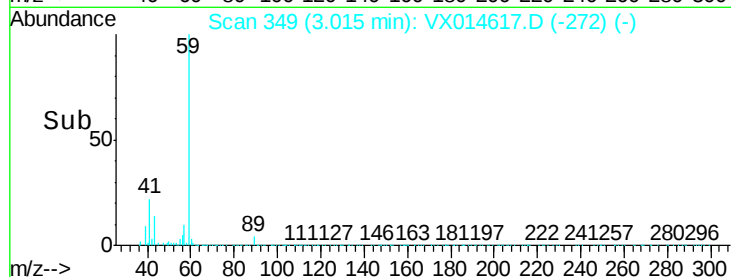
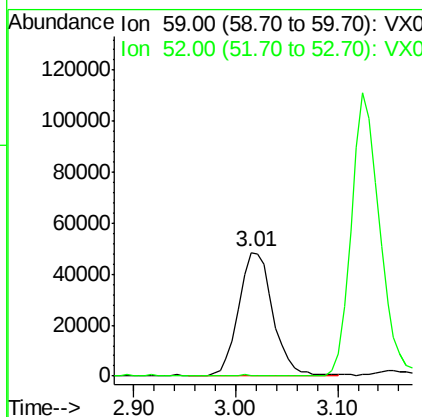
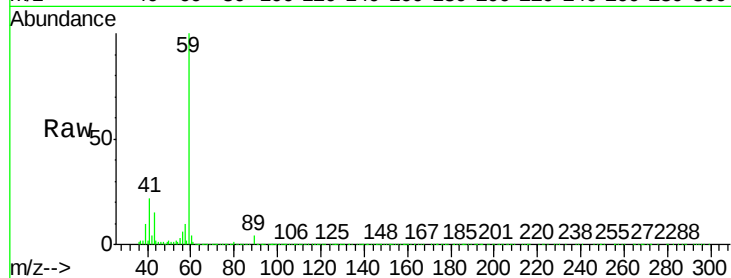
tert-Butyl Alcohol
 Concen: 101.901 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

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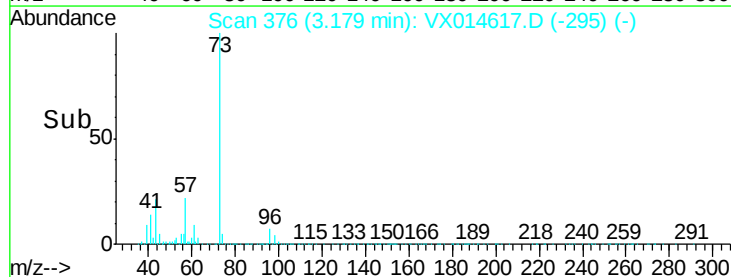
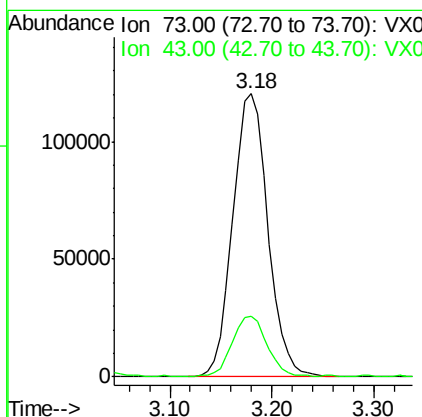
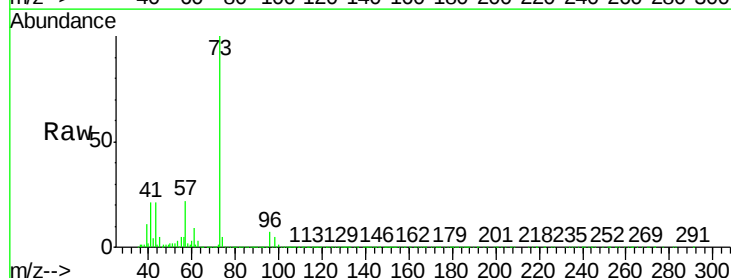
MMDadoda
 1/16/2020 9:42:22 AM

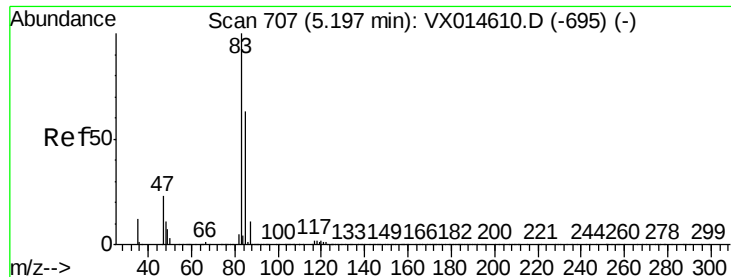


#24

Methyl tert-Butyl Ether
 Concen: 19.933 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	25.0





#25

Chloroform

Concen: 19.059 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 83 Resp: 158593

Ion Ratio Lower Upper

83 100

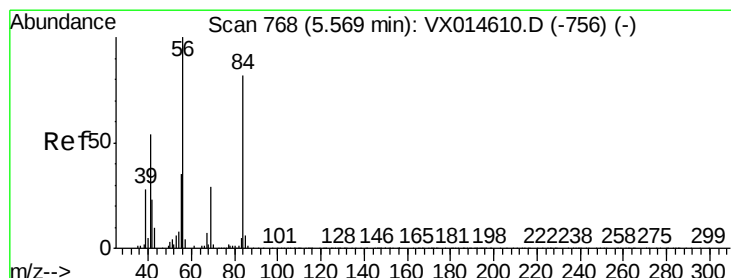
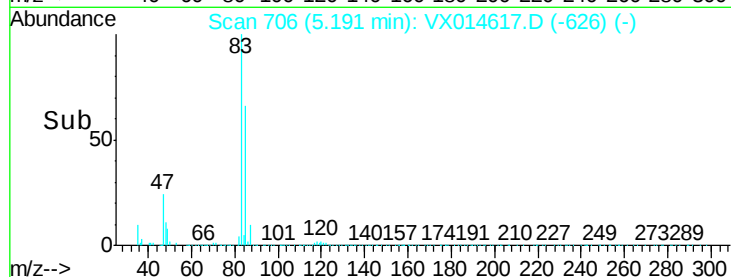
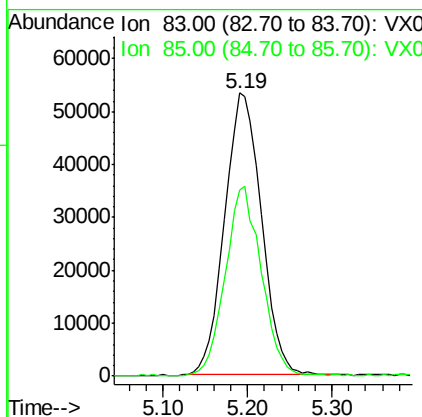
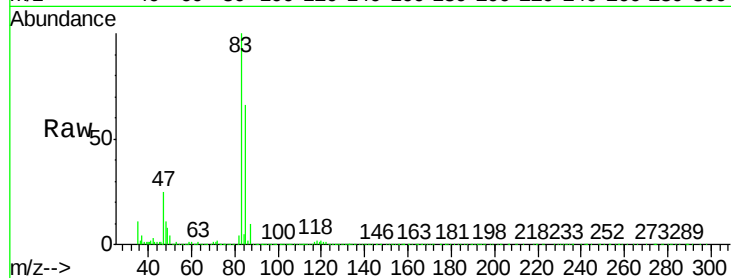
85 65.4 52.7 79.1

Manual Integrations

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#26

Cyclohexane

Concen: 19.424 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

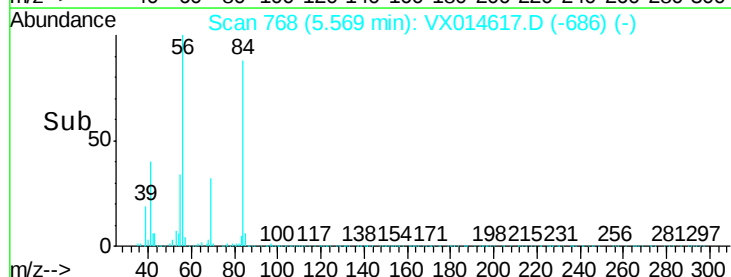
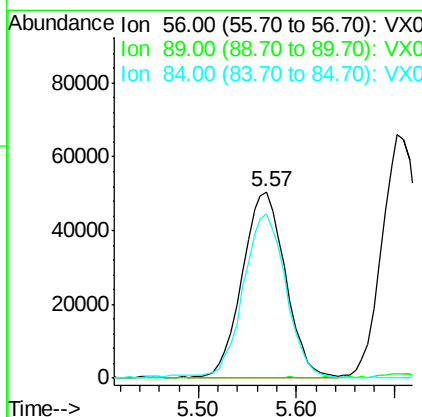
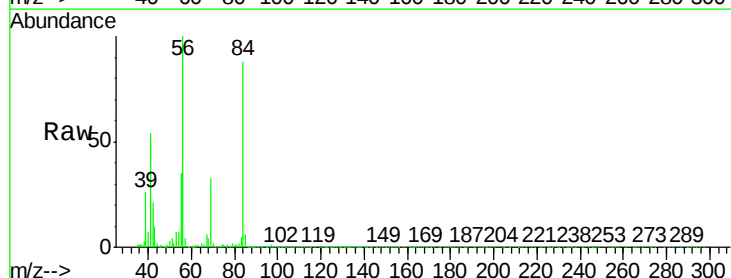
Tgt Ion: 56 Resp: 153904

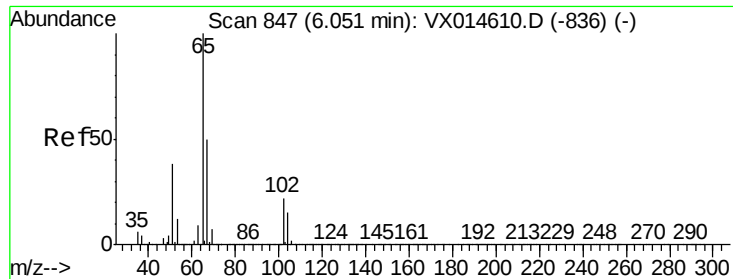
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 86.9 70.8 106.2





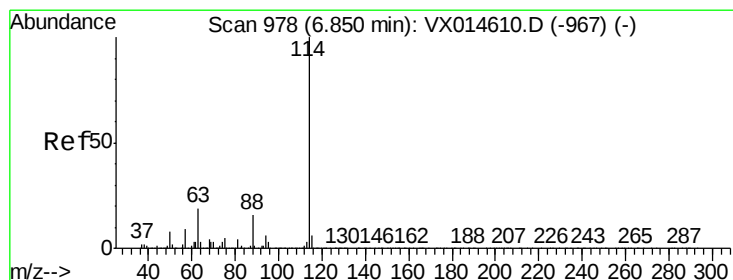
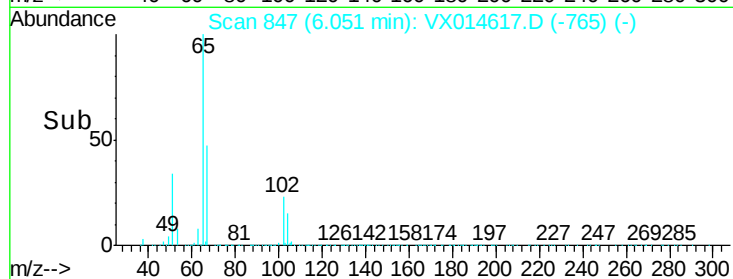
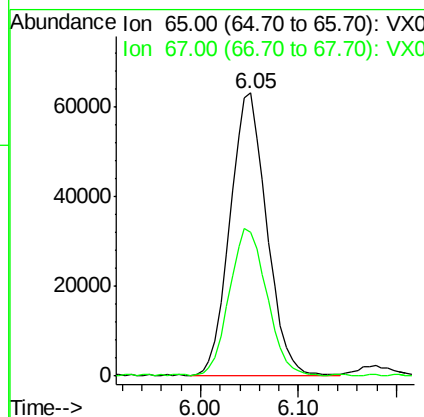
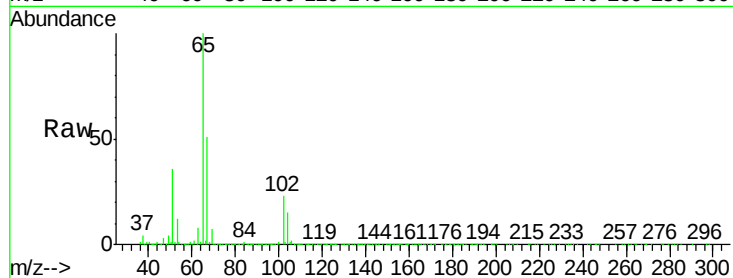
#27
 1,2-Dichloroethane-d4
 Concen: 29.964 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	43.1	64.7

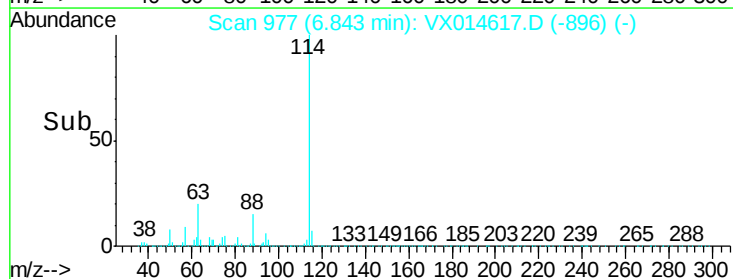
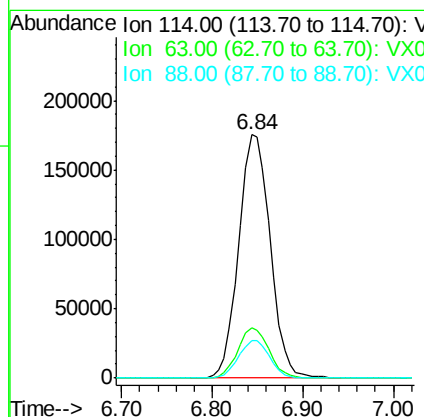
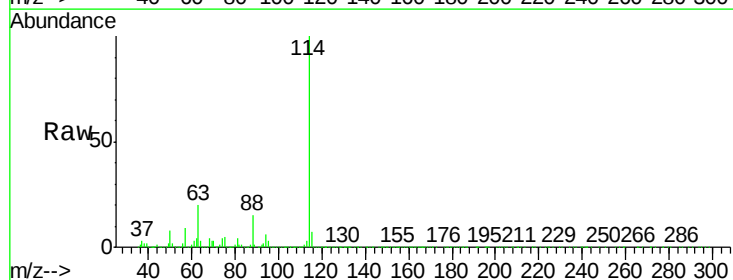
Manual Integrations
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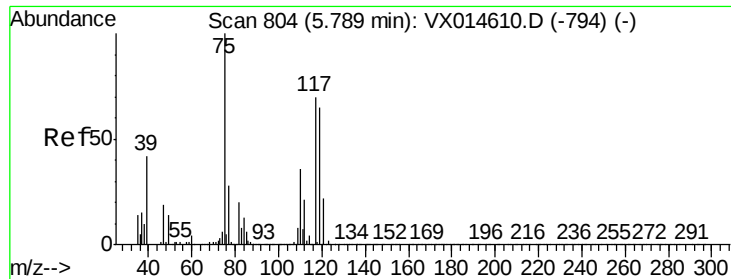
MMDadoda
 1/16/2020 9:42:22 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	15.2	12.5	18.7





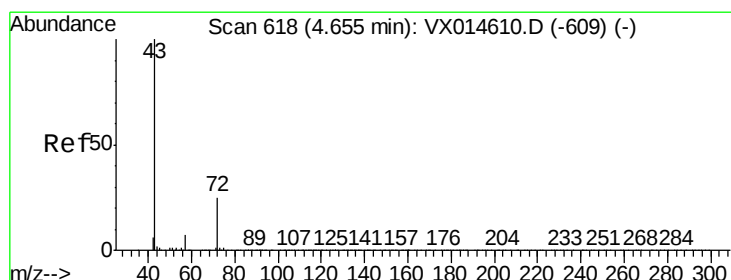
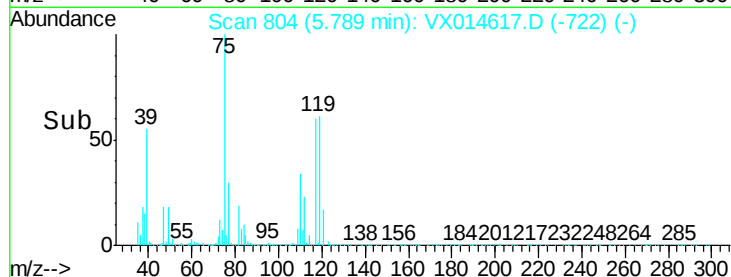
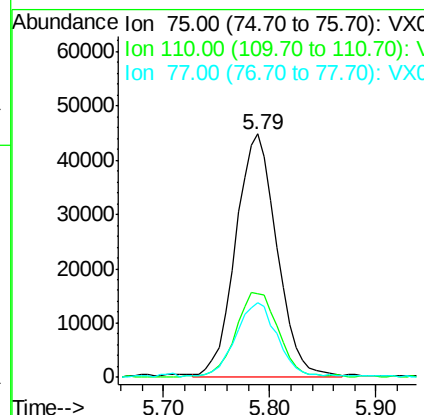
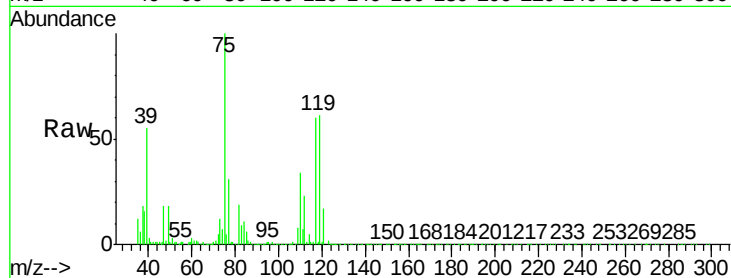
#29
 1,1-Dichloropropene
 Concen: 19.610 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.5	0.0	73.8
77	30.1	0.0	62.4

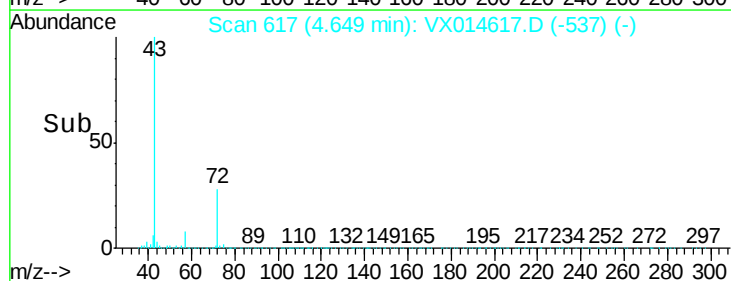
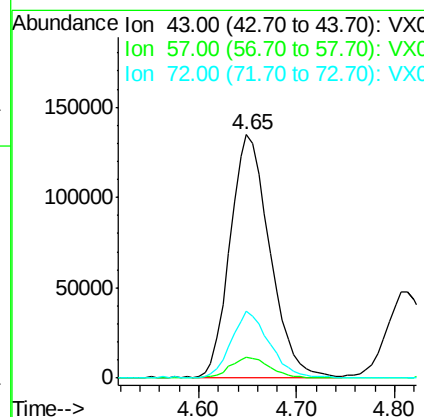
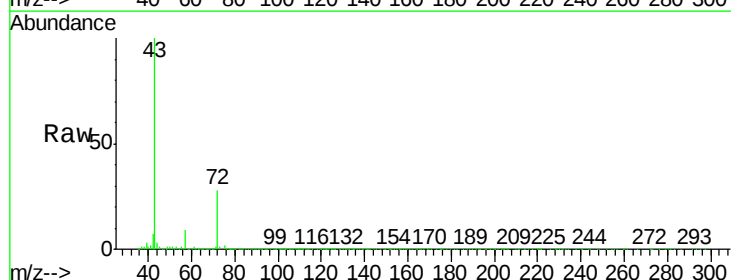
Manual Integrations
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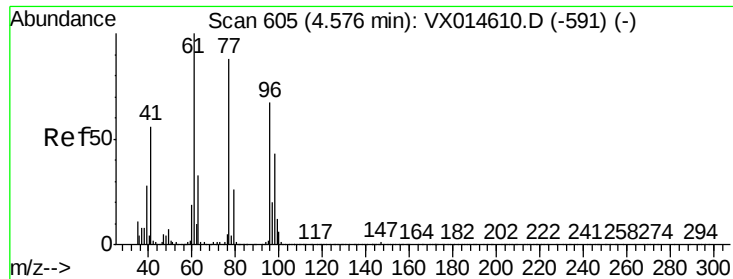
MMDadoda
 1/16/2020 9:42:22 AM



#30
 2-Butanone
 Concen: 95.909 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.7	6.2	9.2
72	25.9	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.309 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 77 Resp: 128037

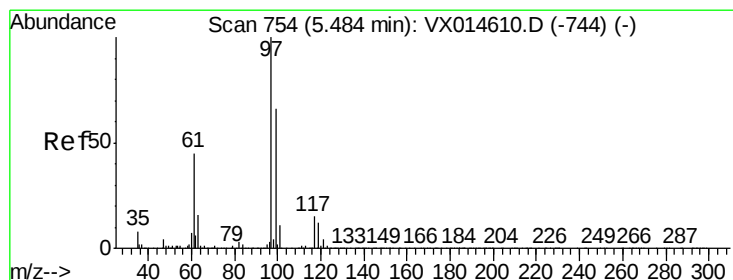
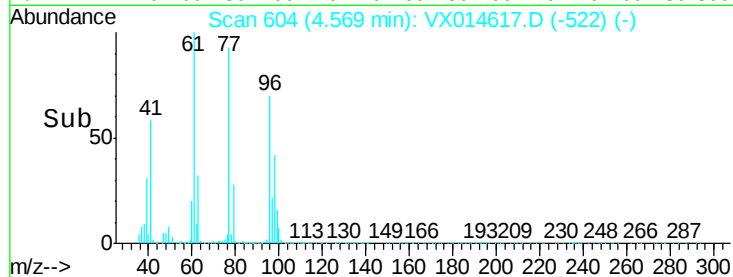
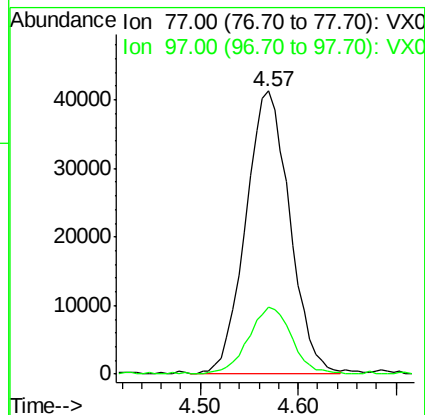
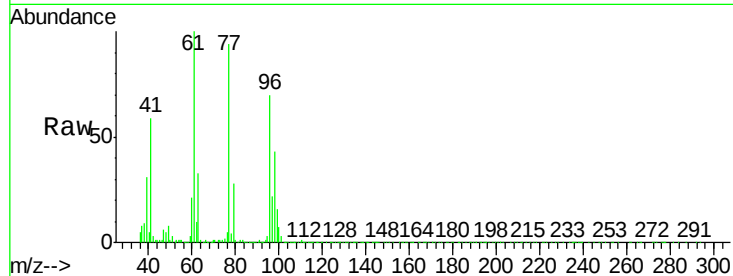
Ion Ratio Lower Upper

77 100

97 23.6 19.7 29.5

Manual Integrations
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MMDadoda
1/16/2020 9:42:22 AM



#32

1,1,1-Trichloroethane

Concen: 19.193 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

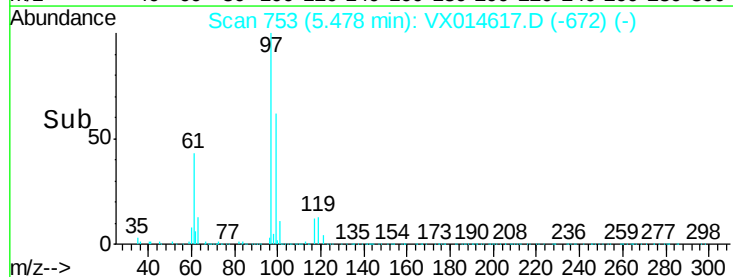
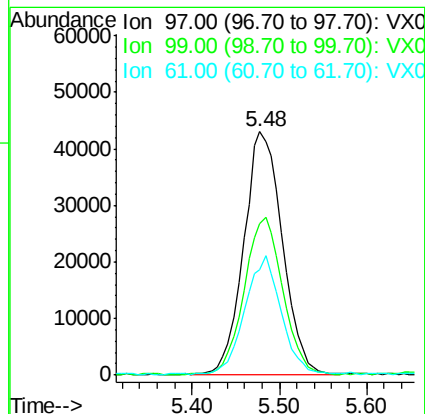
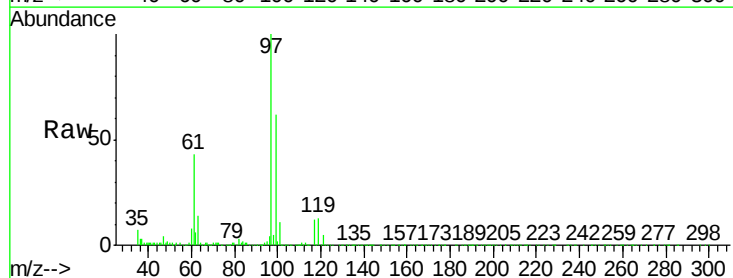
Tgt Ion: 97 Resp: 131589

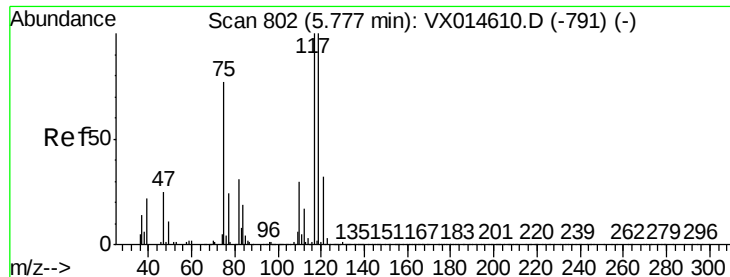
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 45.6 36.8 55.2





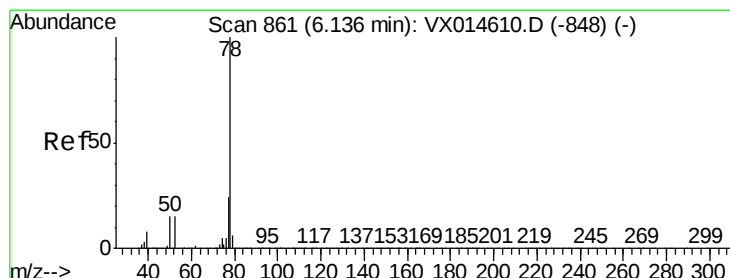
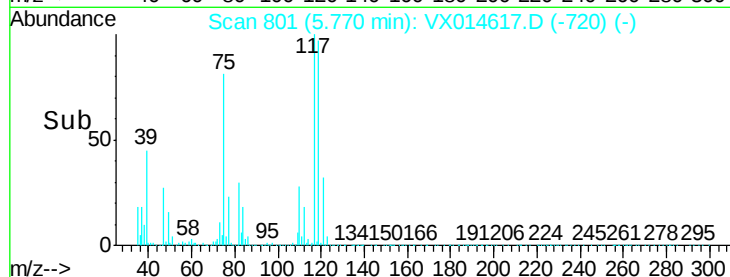
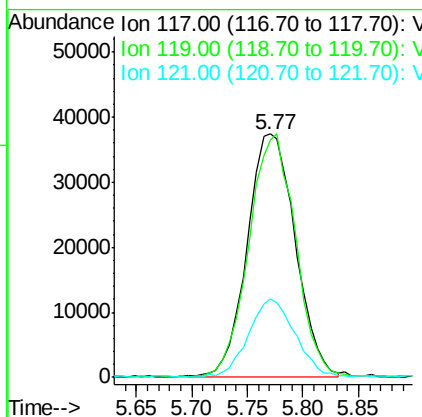
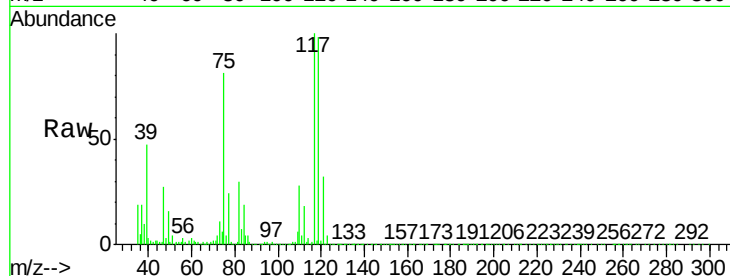
#33
Carbon Tetrachloride
Concen: 19.053 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.2	115.8
121	32.2	24.8	37.2

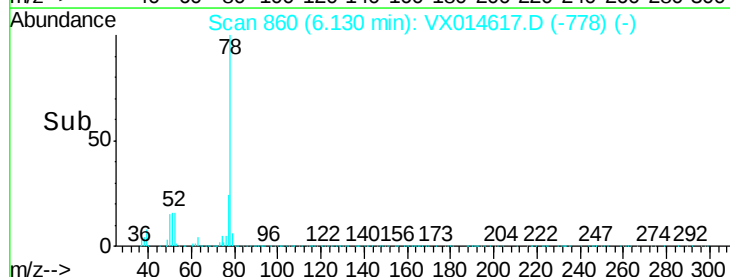
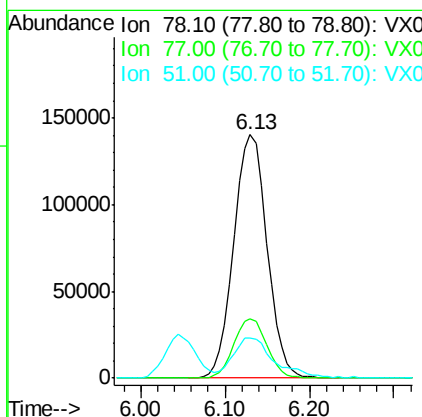
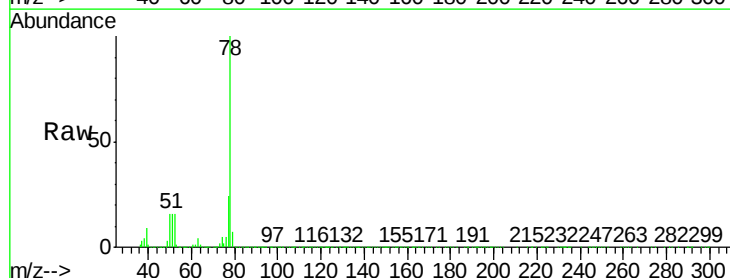
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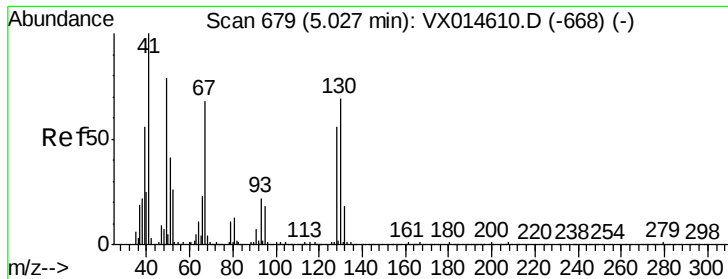
MMDadoda
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#34
Benzene
Concen: 19.498 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.2
51	15.9	12.4	18.6





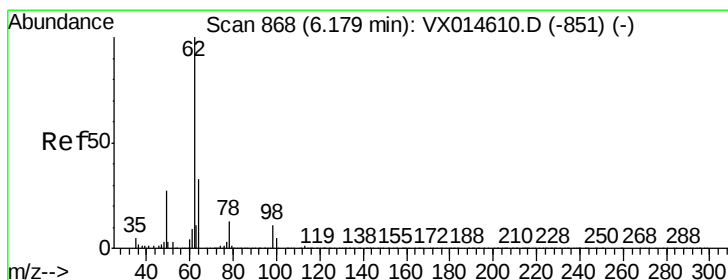
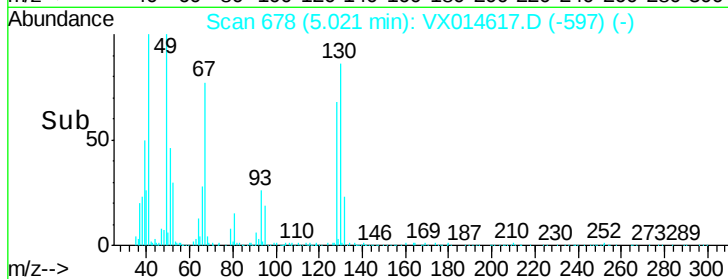
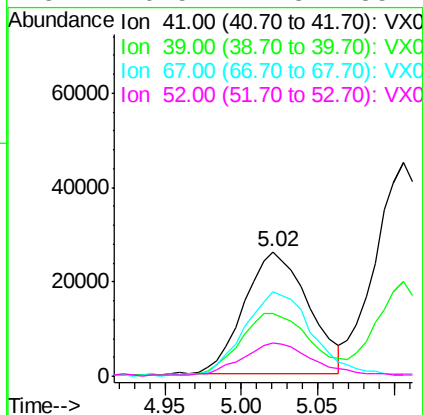
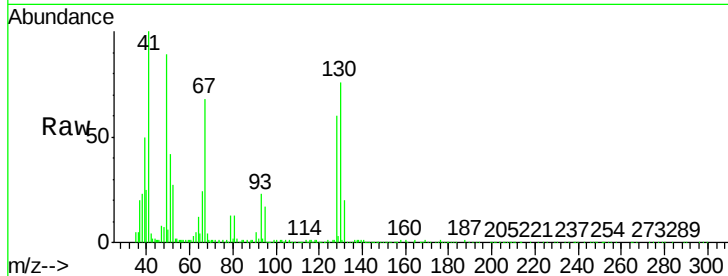
#35
Methacrylonitrile
Concen: 19.384 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	26.7	80.1
67	66.9	31.5	94.5
52	26.5	12.8	38.4

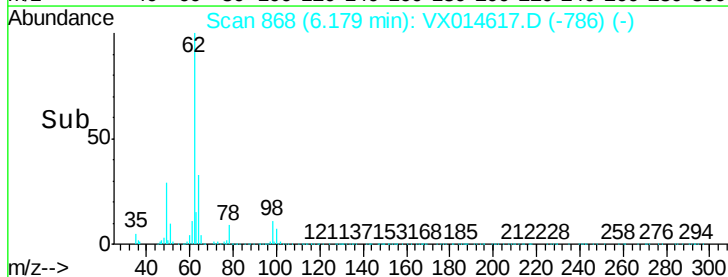
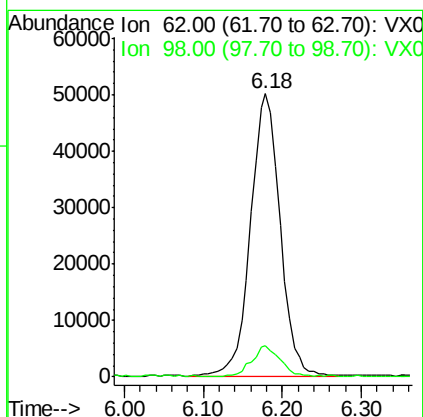
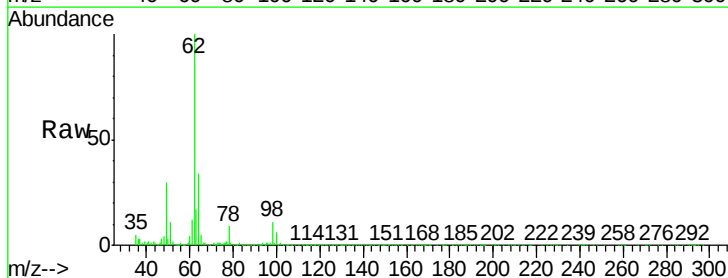
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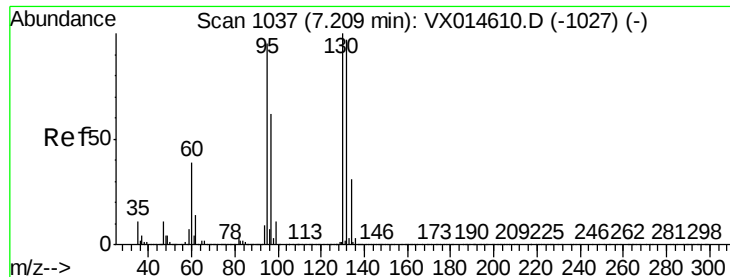
MMDadoda
1/16/2020 9:42:22 AM



#36
1,2-Dichloroethane
Concen: 19.800 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	8.4	12.6





#37

Trichloroethene

Concen: 19.795 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion:130 Resp: 103790

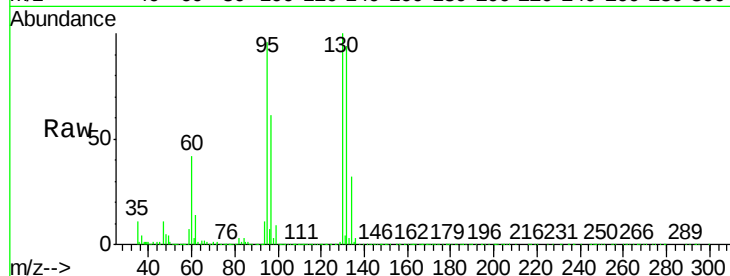
Ion Ratio Lower Upper

130 100

95 95.4 71.7 107.5

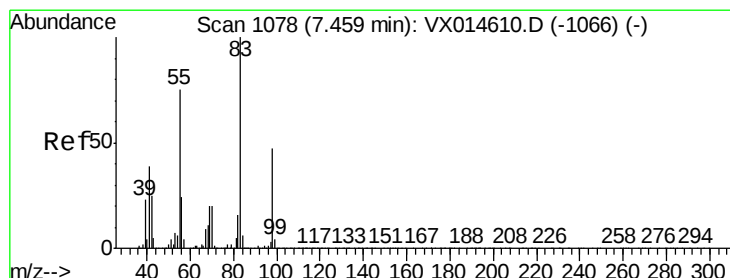
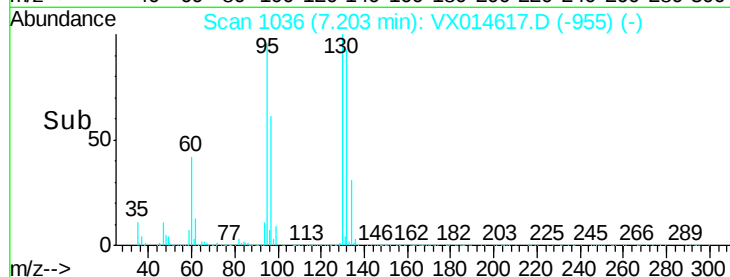
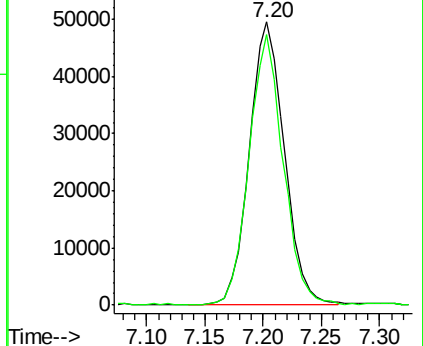
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.541 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

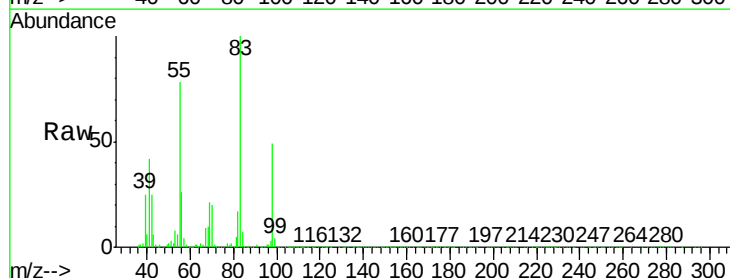
Tgt Ion: 83 Resp: 150778

Ion Ratio Lower Upper

83 100

55 78.5 39.4 118.1

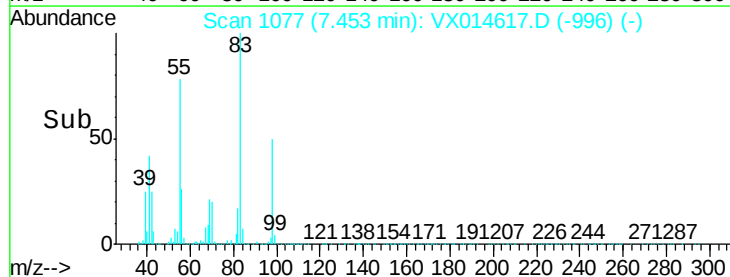
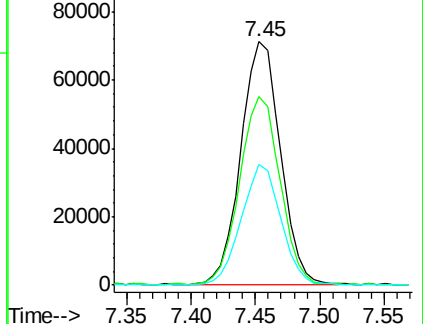
98 50.0 25.1 75.3

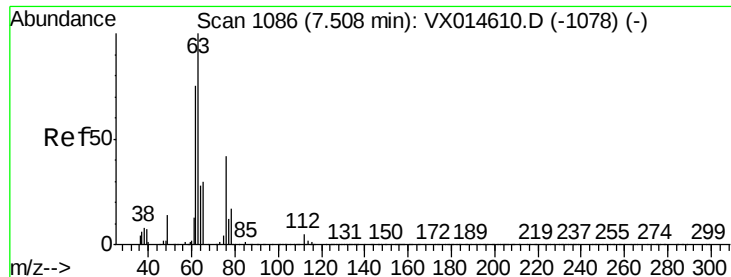


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





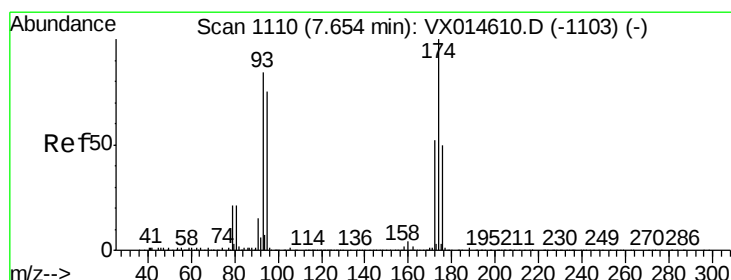
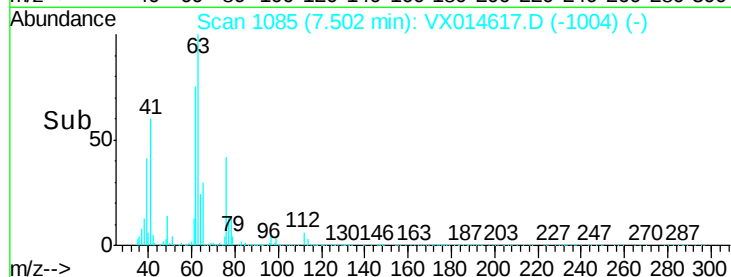
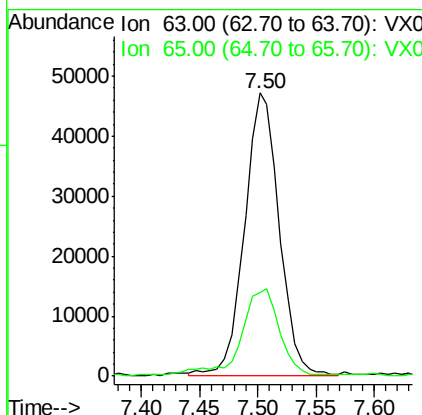
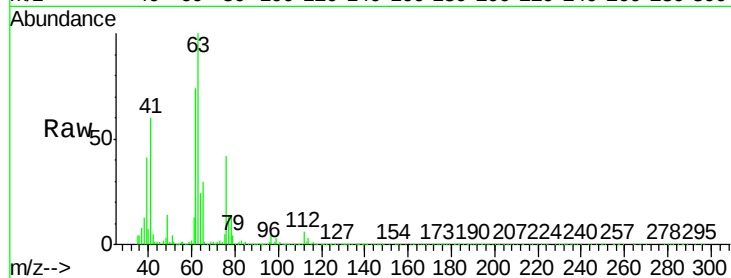
#39
 1,2-Dichloropropane
 Concen: 19.471 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	22.1	33.1

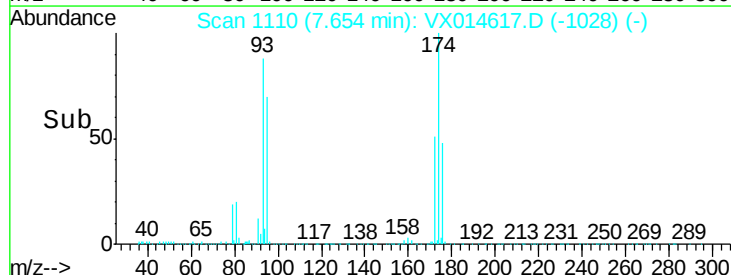
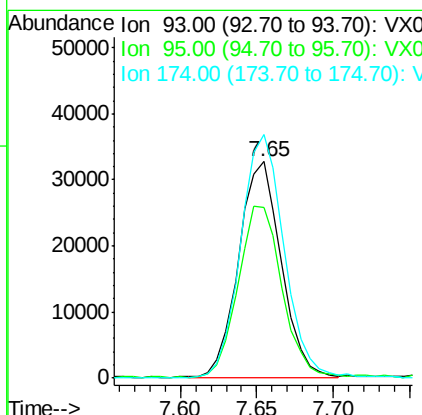
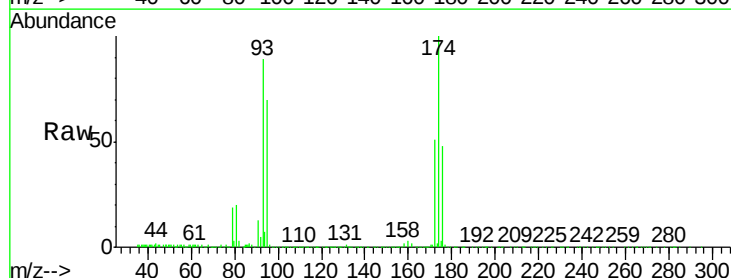
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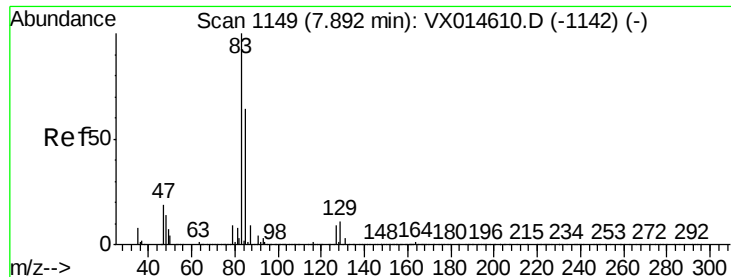
MMDadoda
 1/16/2020 9:42:22 AM



#40
 Dibromomethane
 Concen: 19.879 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	0.0	164.4
174	114.2	0.0	228.8





#41

Bromodichloromethane

Concen: 19.592 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

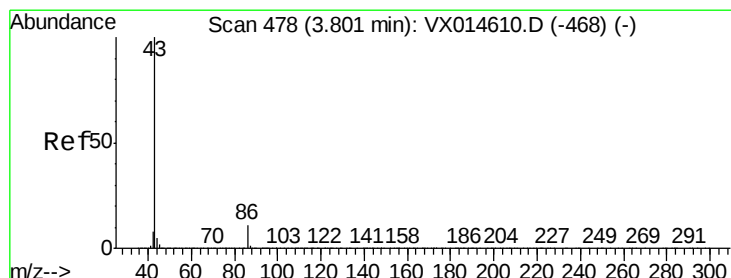
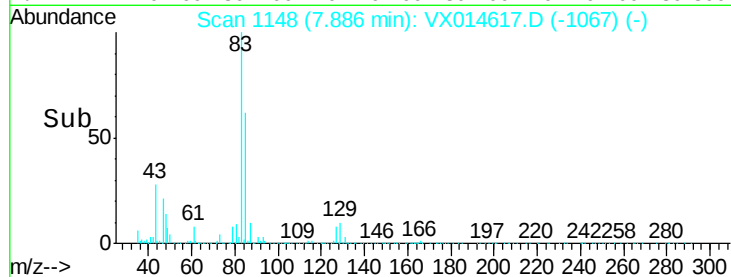
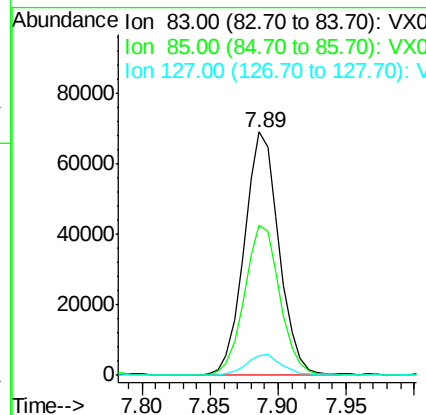
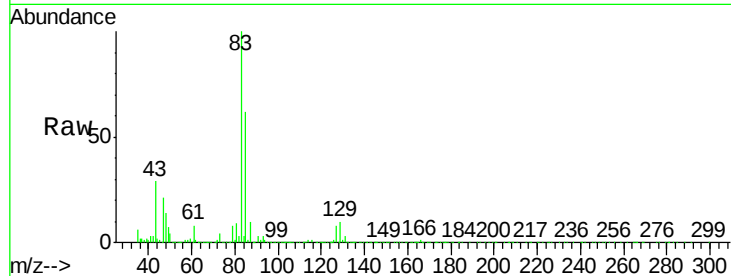
ClientSampleId :

VX0115WBSD01

Tot Ion:	83	Resp:	122780
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.6	77.4
127	7.7	6.0	9.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 100.746 ug/l

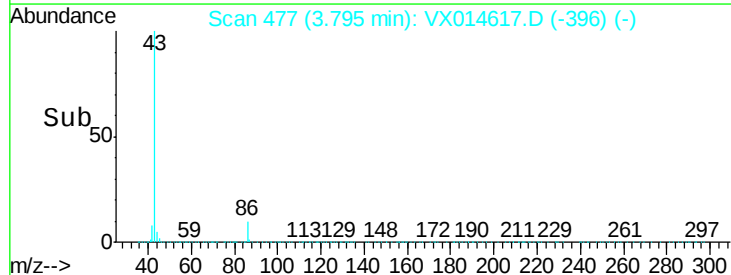
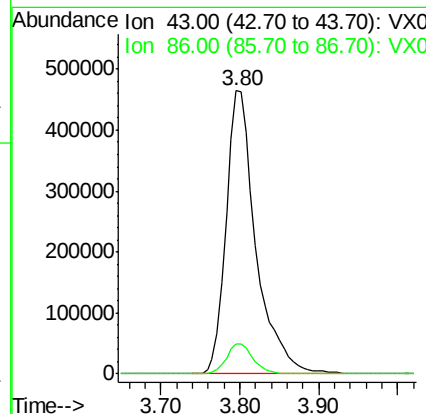
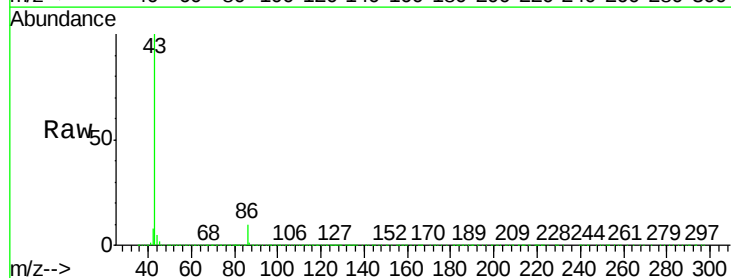
RT: 3.80 min Scan# 477

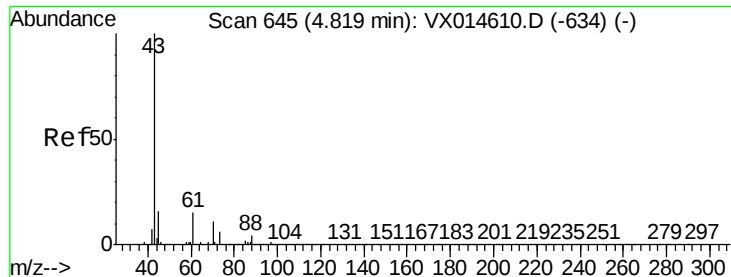
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	43	Resp:	1218983
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.7	11.5





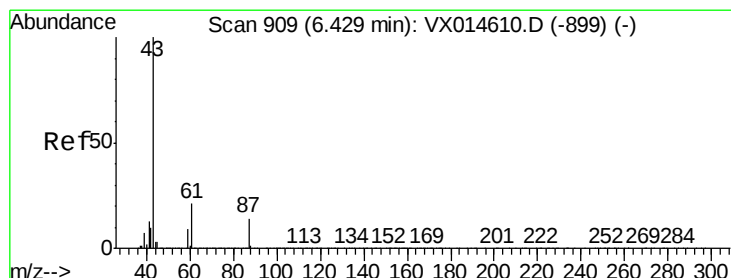
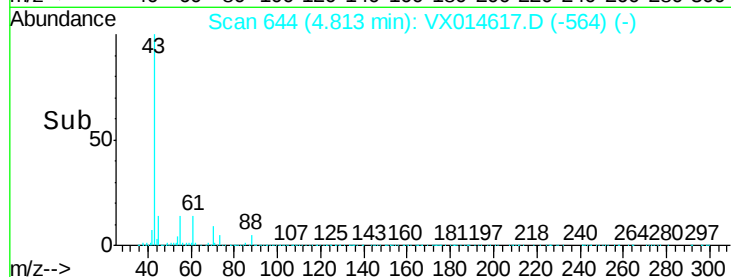
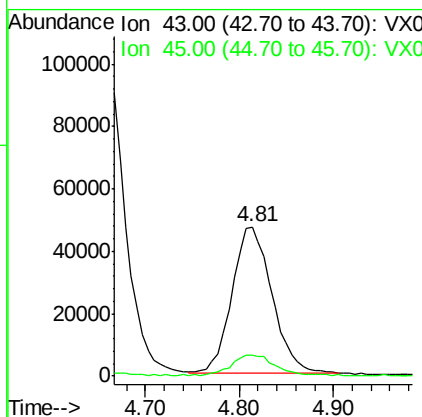
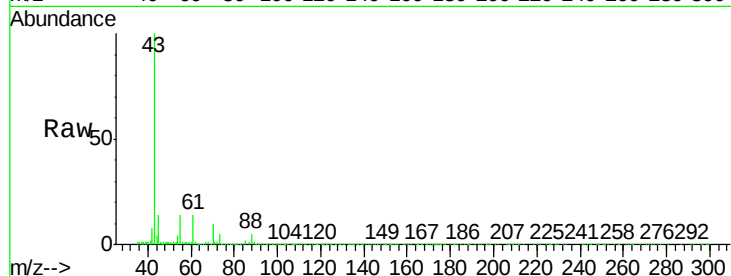
#43
Ethyl Acetate
Concen: 19.521 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleID :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.5	11.8	17.8

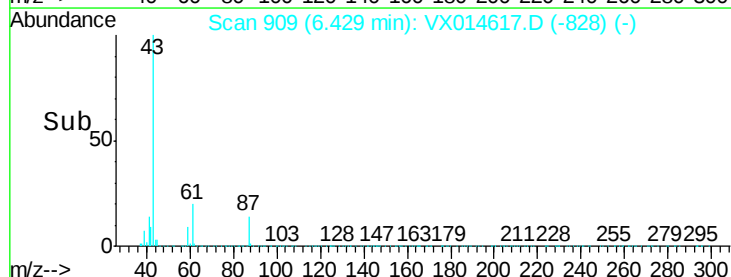
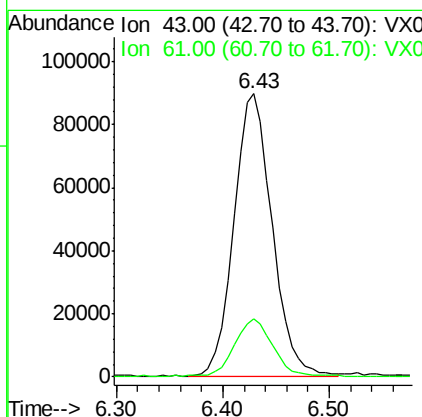
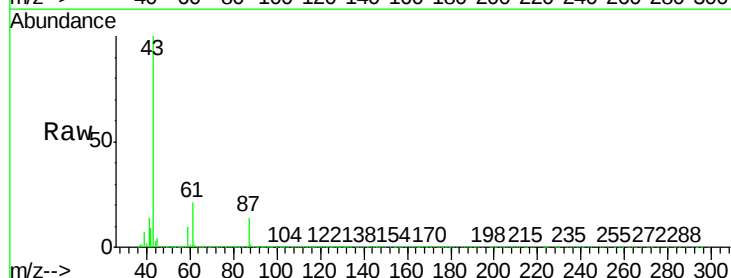
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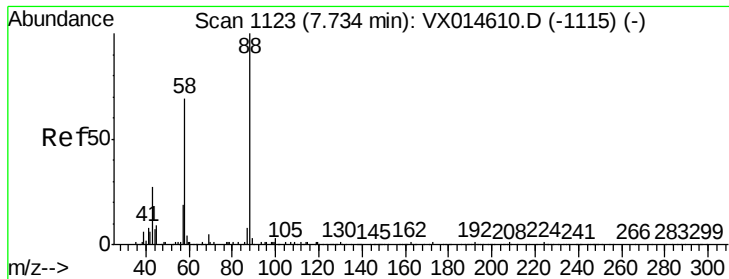
MMDadoda
1/16/2020 9:42:22 AM



#44
Isopropyl Acetate
Concen: 19.554 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.9	23.9





#45

1,4-Dioxane

Concen: 417.808 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

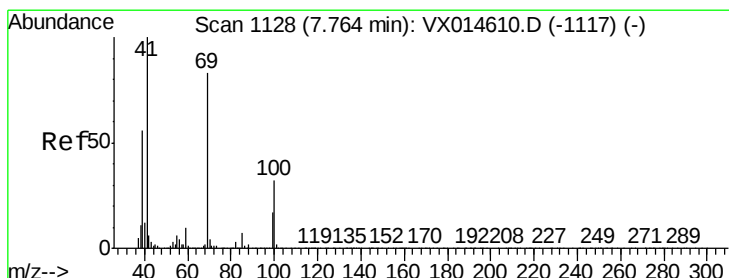
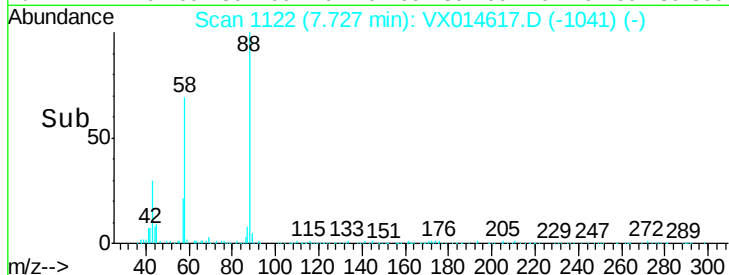
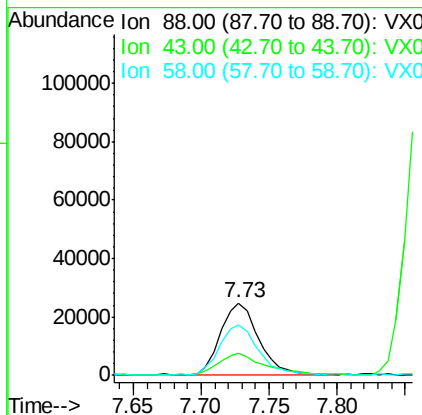
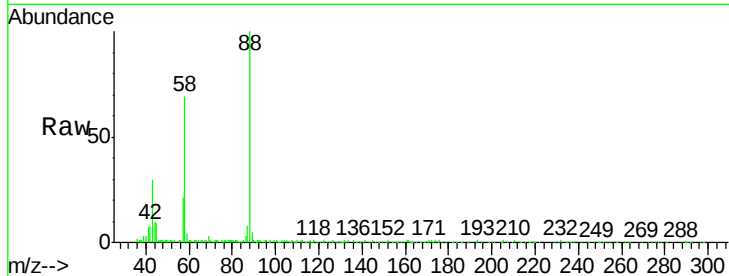
ClientSampleId :

VX0115WBSD01

Tot Ion:	88	Resp:	47912
Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.4	38.2
58	71.0	56.5	84.7

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#46

Methyl methacrylate

Concen: 19.317 ug/l

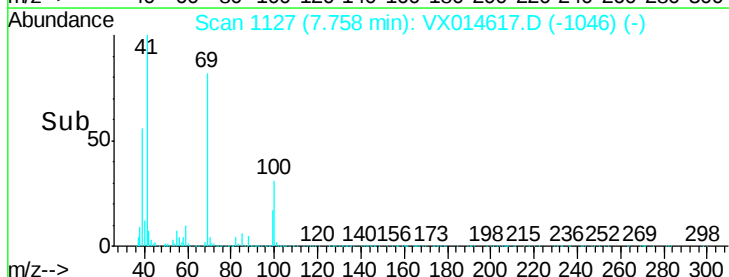
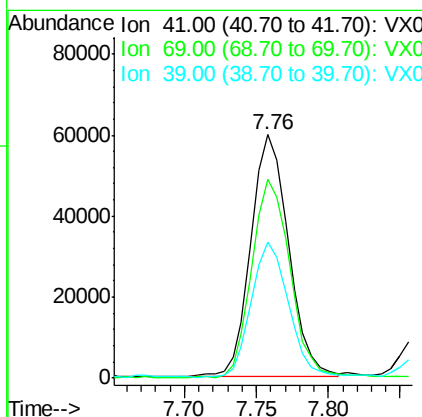
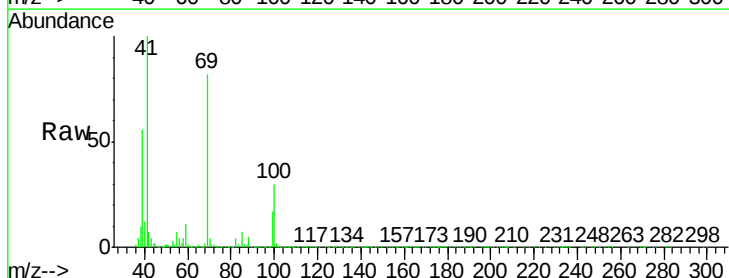
RT: 7.76 min Scan# 1127

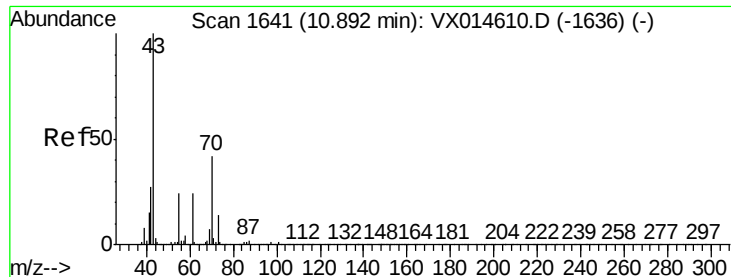
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	41	Resp:	108902
Ion	Ratio	Lower	Upper
41	100		
69	81.9	40.6	122.0
39	55.6	27.8	83.3





#47

n-amvl Acetate

Concen: 19.505 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 43 Resp: 187358

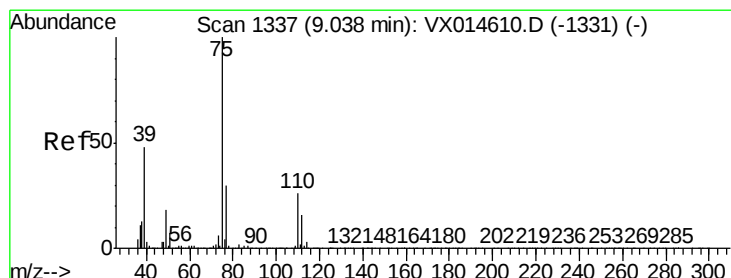
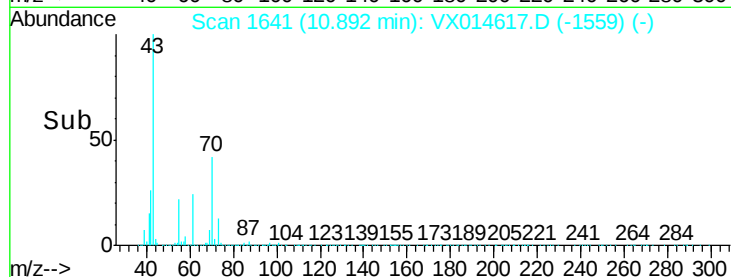
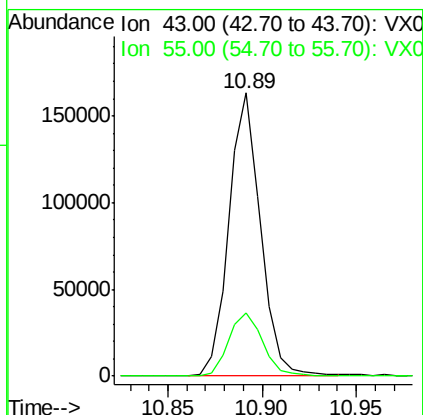
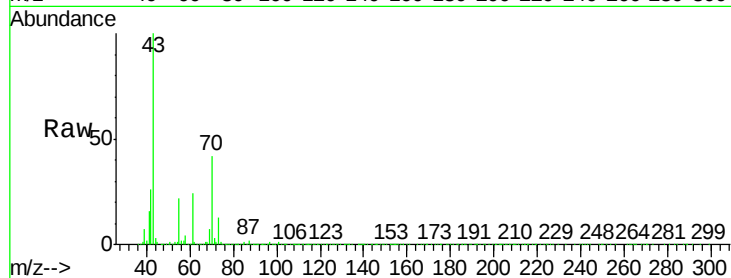
Ion Ratio Lower Upper

43 100

55 24.1 19.4 29.2

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#48

t-1,3-Dichloropropene

Concen: 19.488 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014617.D

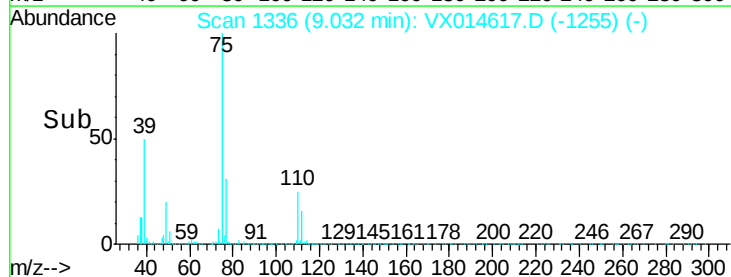
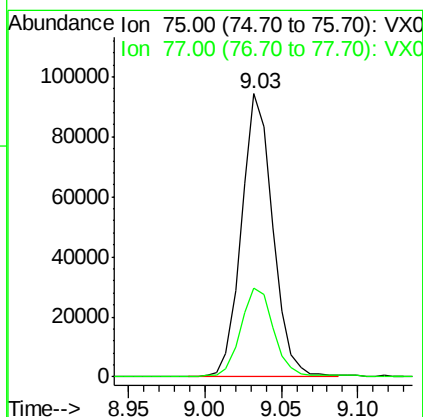
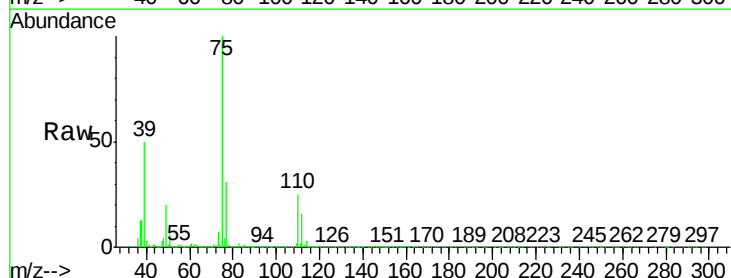
Acq: 15 Jan 2020 14:42

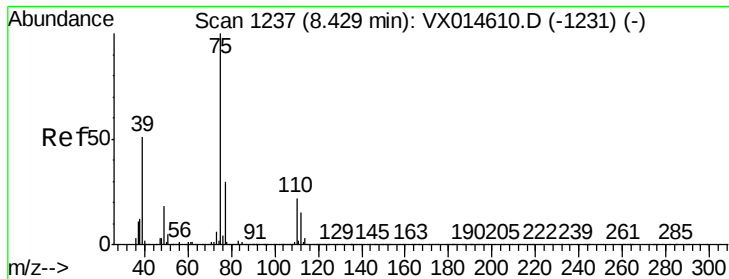
Tgt Ion: 75 Resp: 133340

Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0





#49

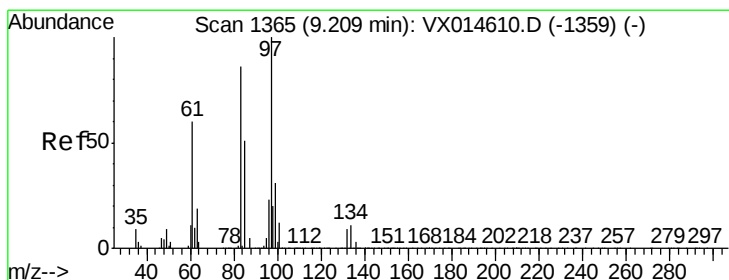
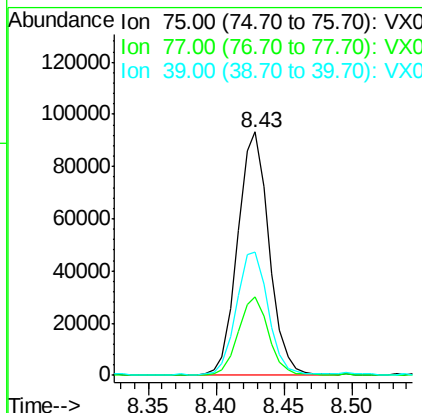
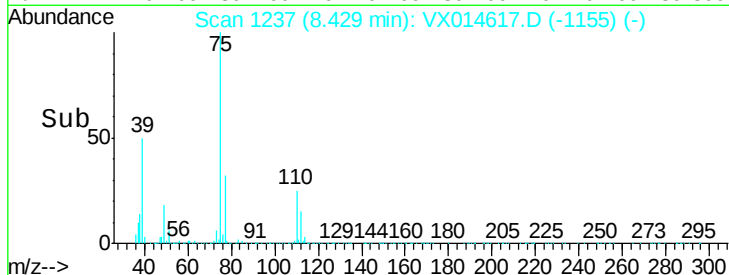
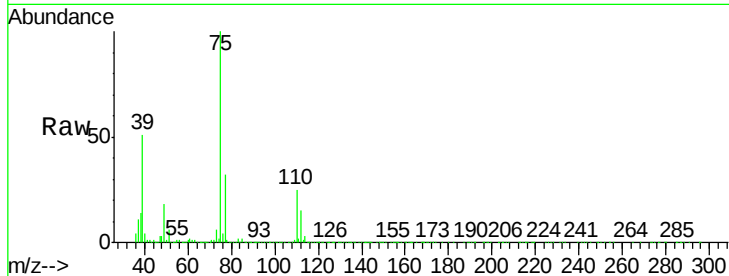
cis-1,3-Dichloropropene
 Concen: 19.419 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	50.3	41.1	61.7

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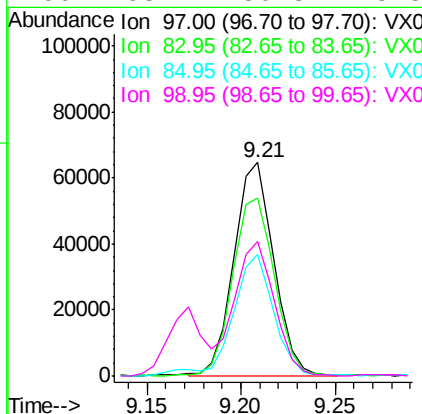
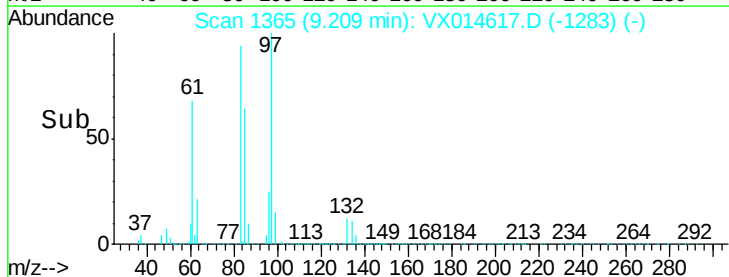
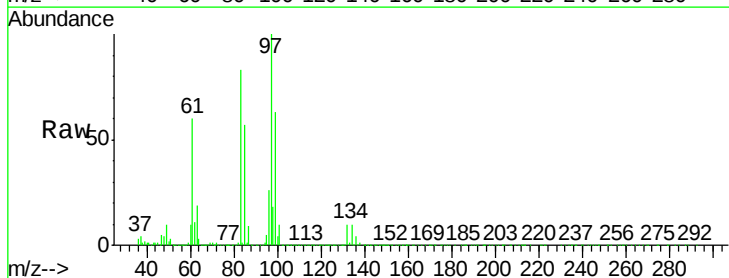
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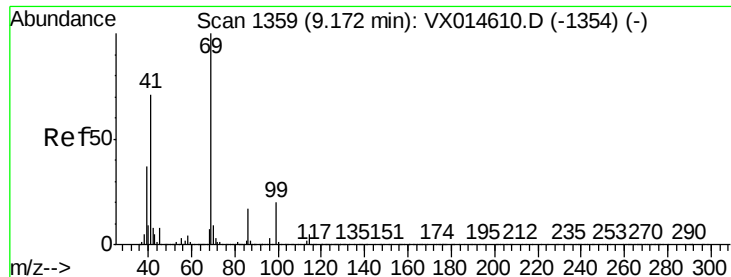


#50

1,1,2-Trichloroethane
 Concen: 19.419 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.1	102.1
85	56.6	42.7	64.1
99	63.1	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.311 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

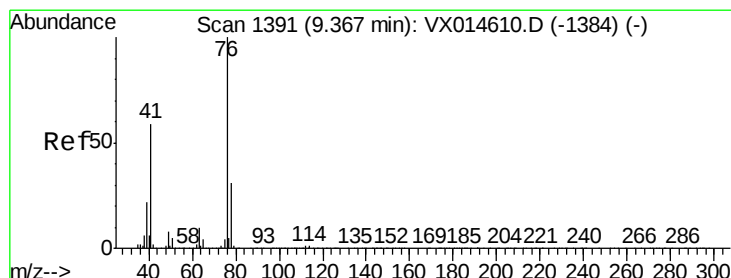
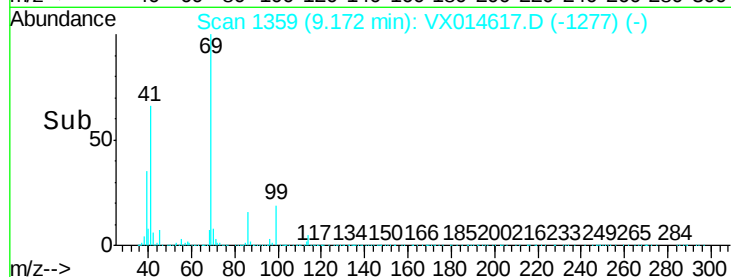
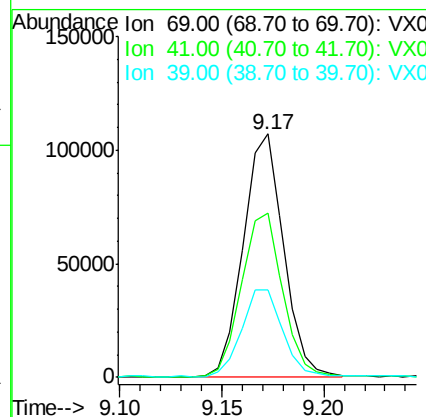
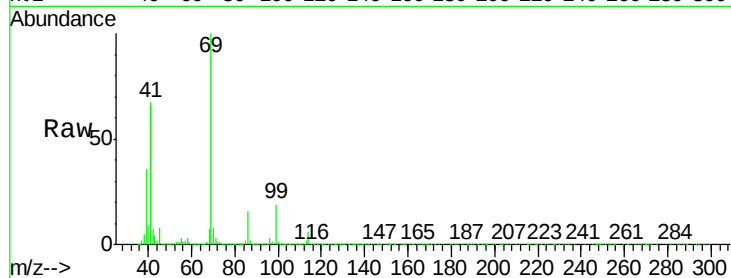
ClientSampleId :

VX0115WBSD01

Tot Ion:	69	Resp:	146417
Ion Ratio	Lower	Upper	
69	100		
41	67.1	35.4	106.1
39	35.8	17.8	53.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.870 ug/l

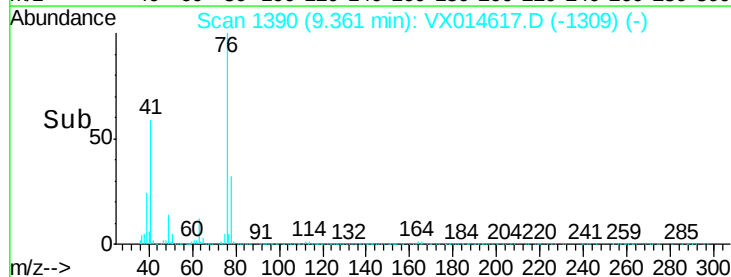
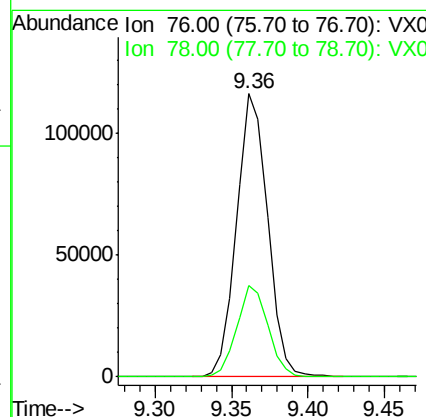
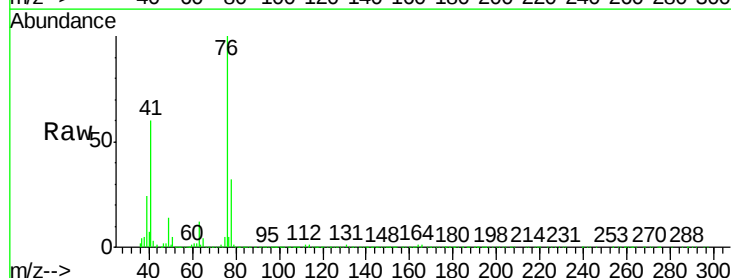
RT: 9.36 min Scan# 1390

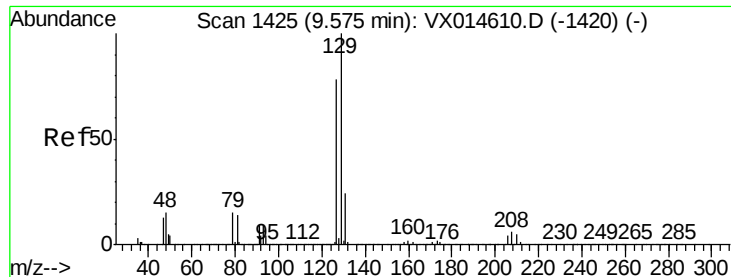
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	76	Resp:	163939
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	63.4





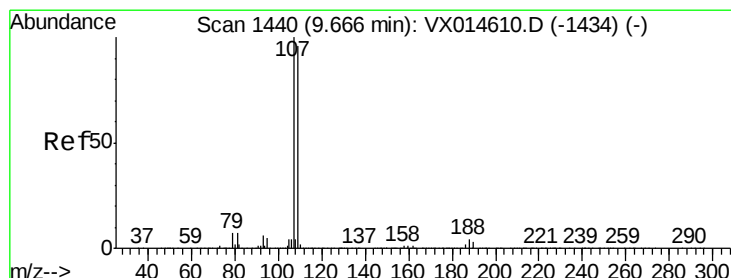
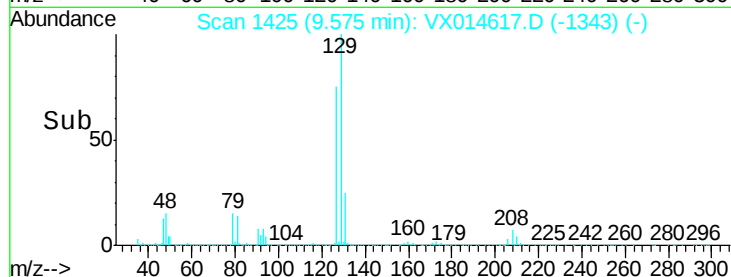
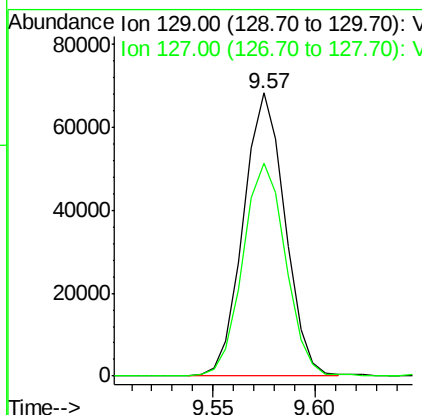
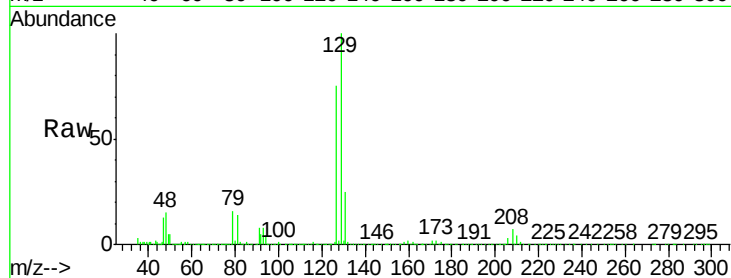
#53
 Dibromochloromethane
 Concen: 19.399 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.1	39.1	117.5	

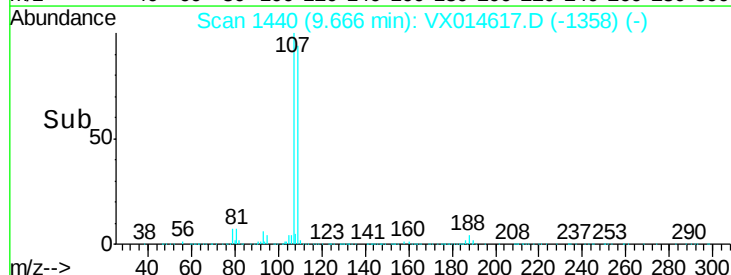
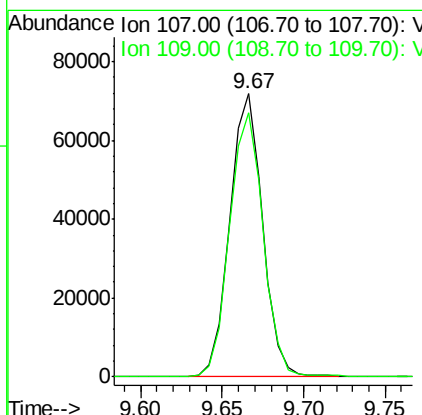
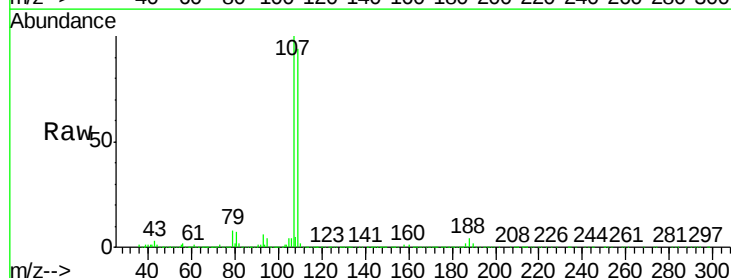
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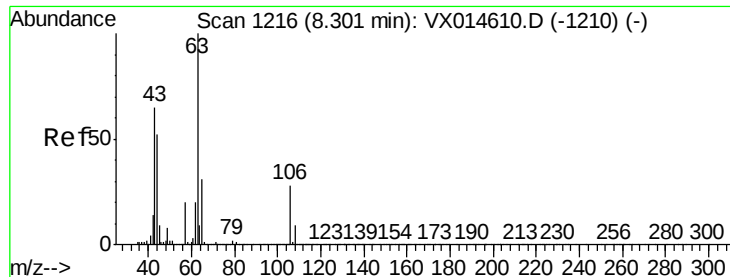
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#54
 1,2-Dibromoethane
 Concen: 19.802 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.7	77.2	115.8	





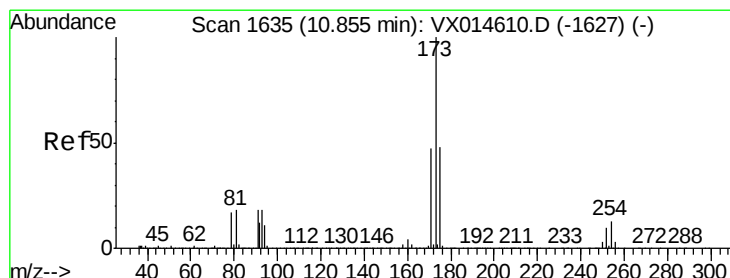
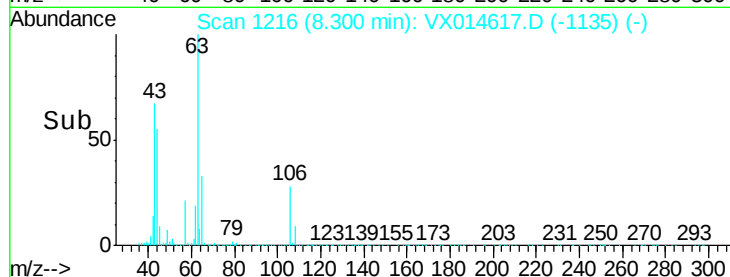
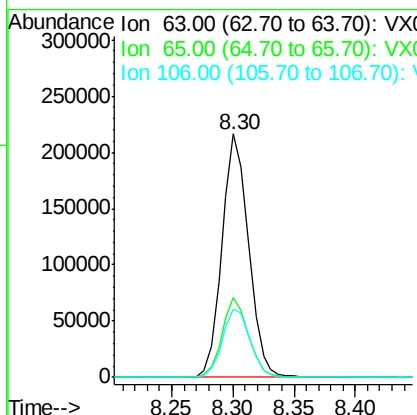
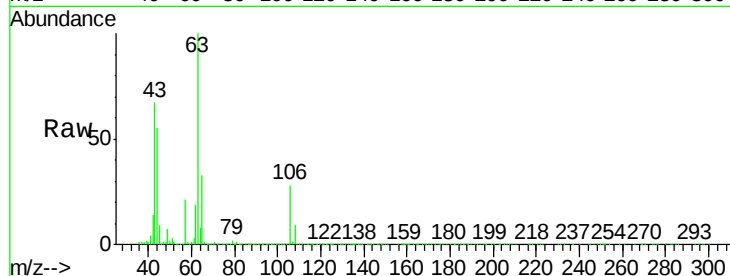
#55
2-Chloroethyl vinyl ether
Concen: 93.501 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	29.1	22.9	34.3

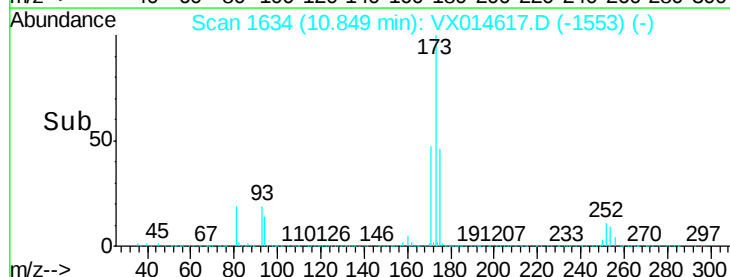
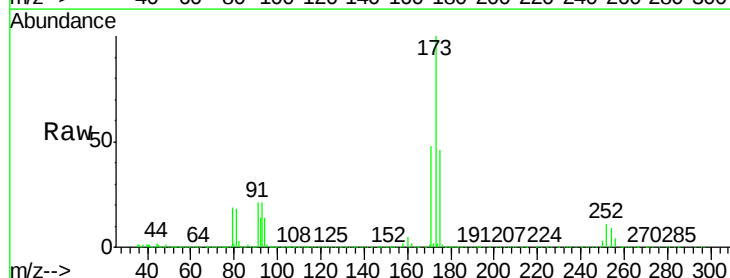
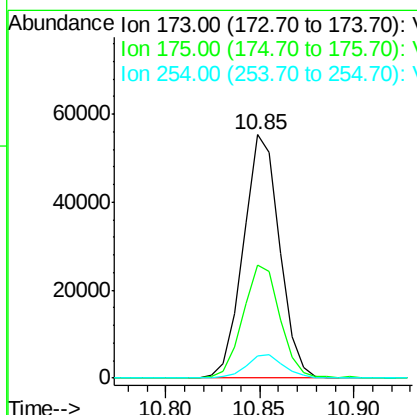
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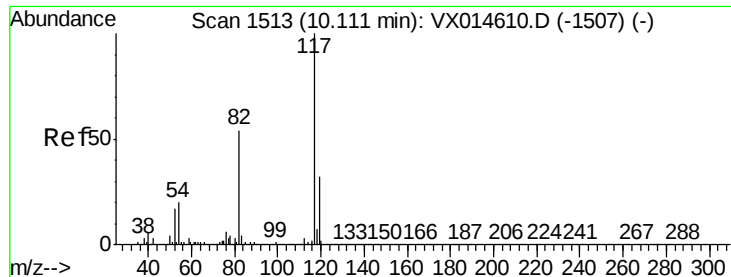
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#56
Bromoform
Concen: 19.255 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.5	59.3
254	9.7	8.2	12.4





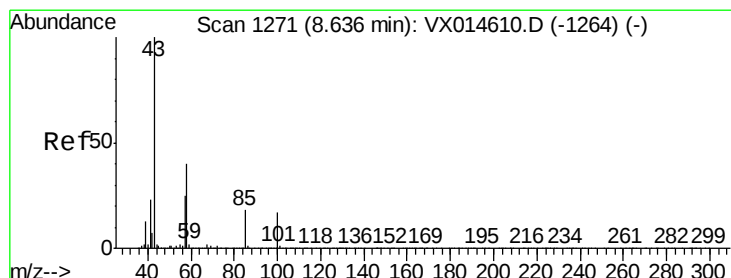
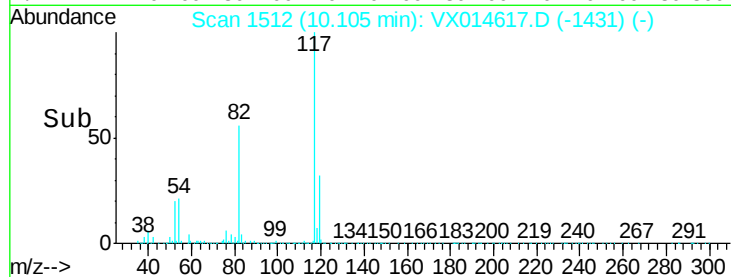
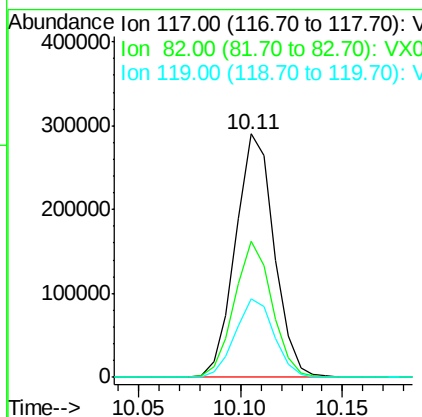
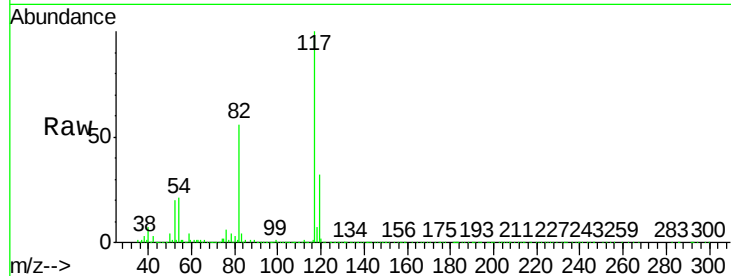
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.5	43.8	65.6
119	32.5	25.8	38.6

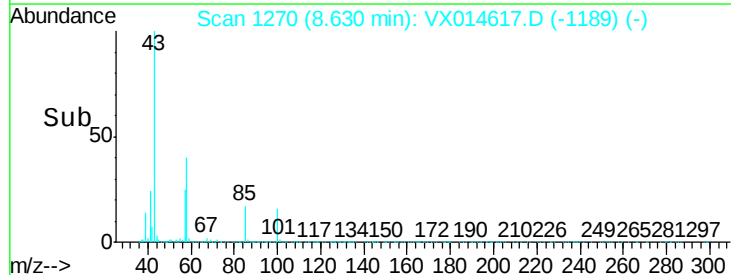
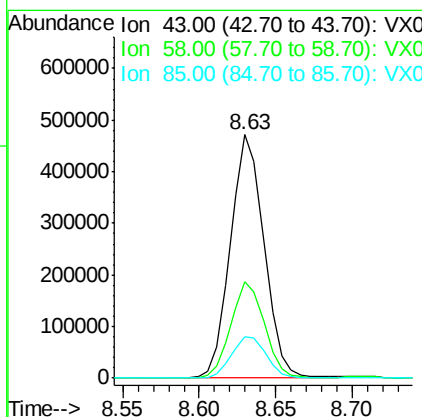
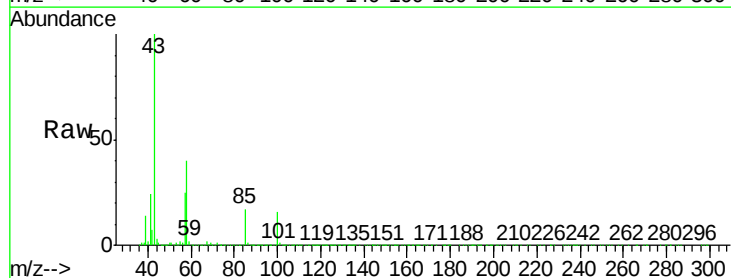
Manual Integrations
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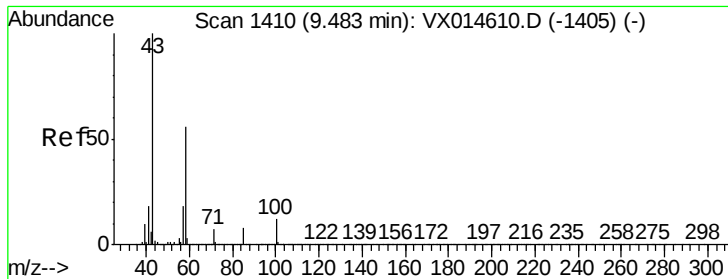
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#58
4-Methyl-2-Pentanone
Concen: 100.266 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.6	31.2	46.8
85	17.6	14.2	21.2





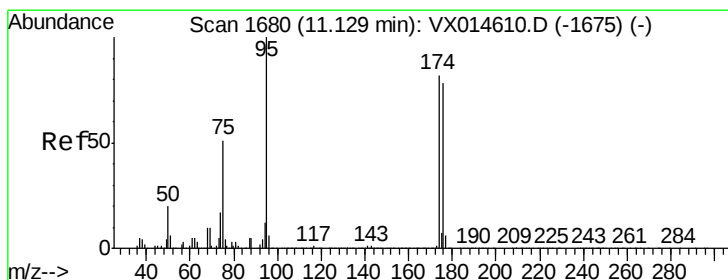
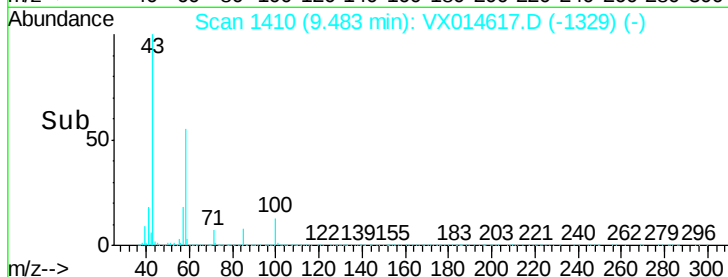
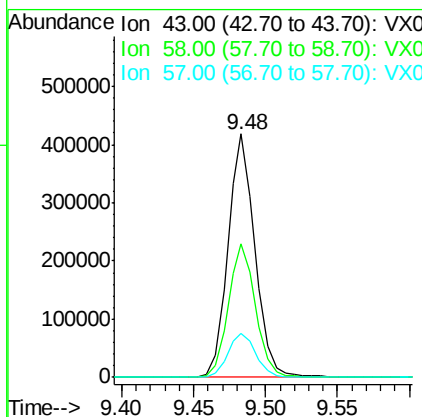
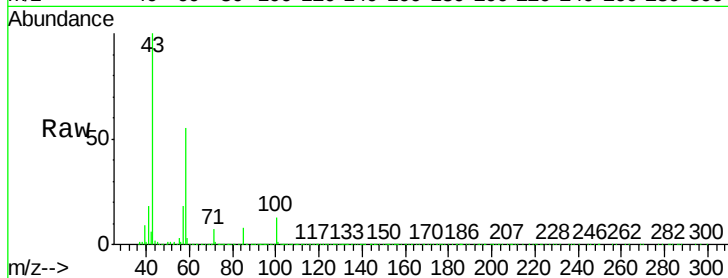
#59
2-Hexanone
Concen: 98.787 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.8	65.6
57	18.7	15.4	23.0

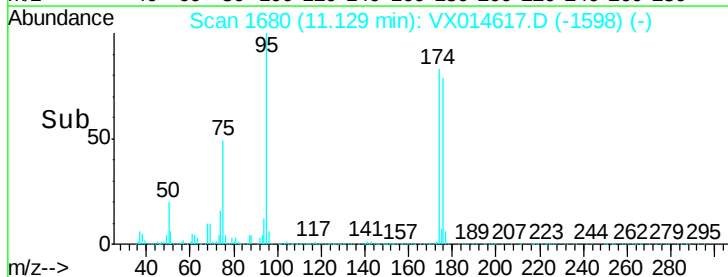
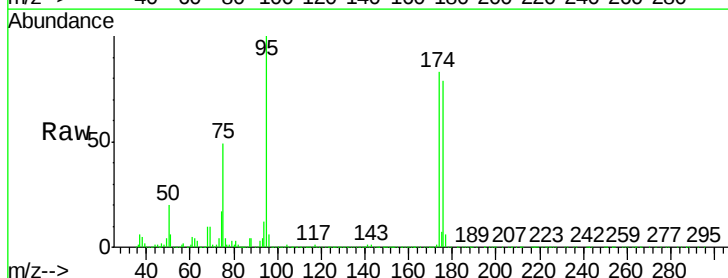
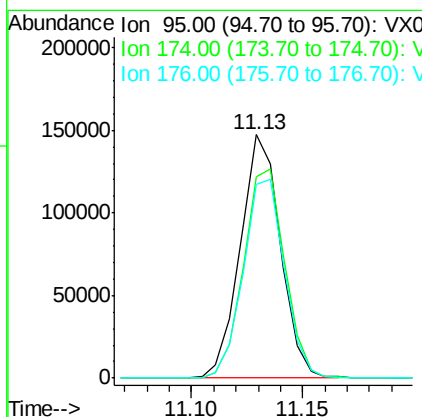
Manual Integrations
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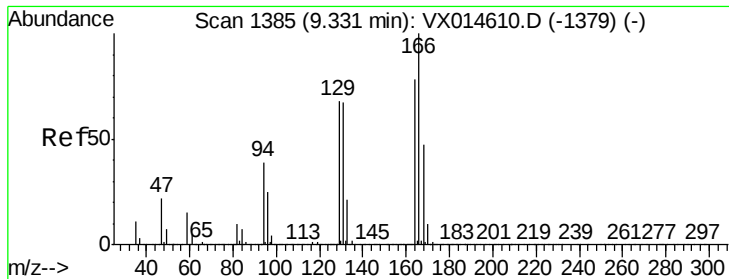
MMDadoda
1/16/2020 9:42:22 AM



#60
4-Bromofluorobenzene
Concen: 30.377 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	70.2	105.2
176	84.4	68.3	102.5





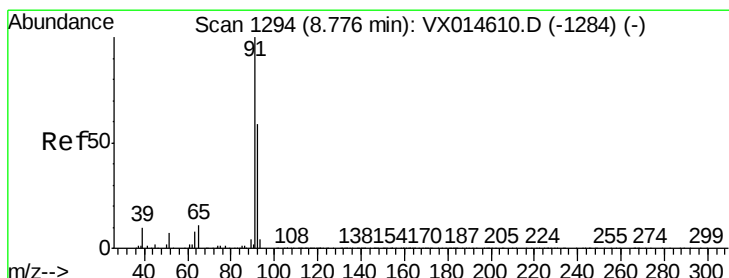
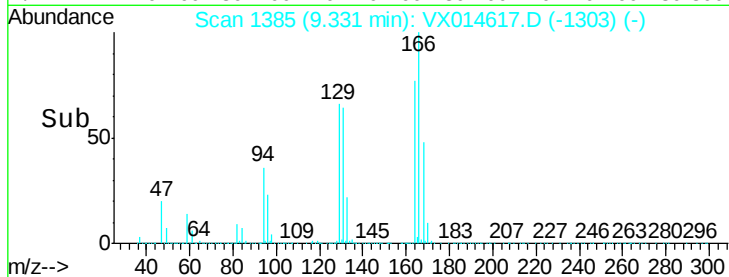
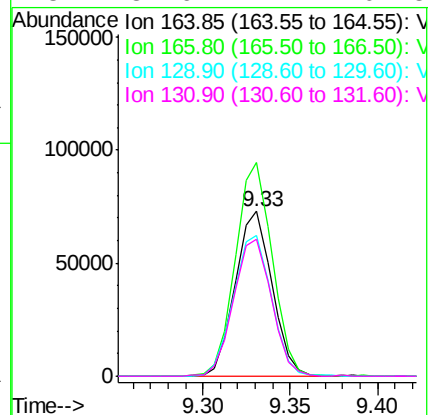
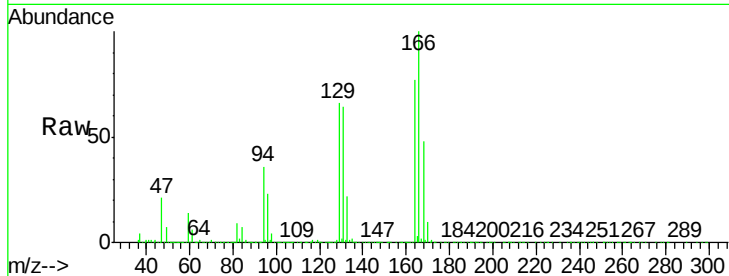
#61
Tetrachloroethene
Concen: 19.010 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	104.2	156.2
129	85.8	71.6	107.4
131	82.6	71.7	107.5

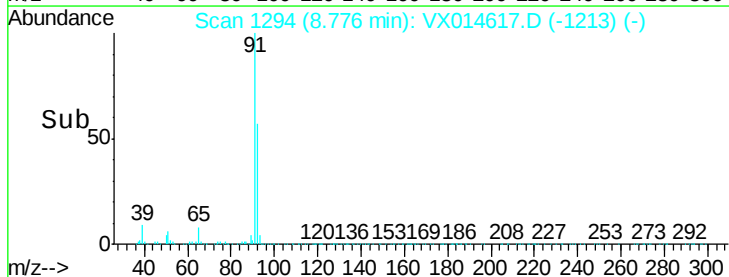
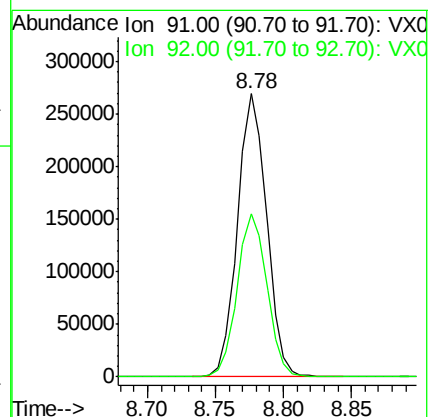
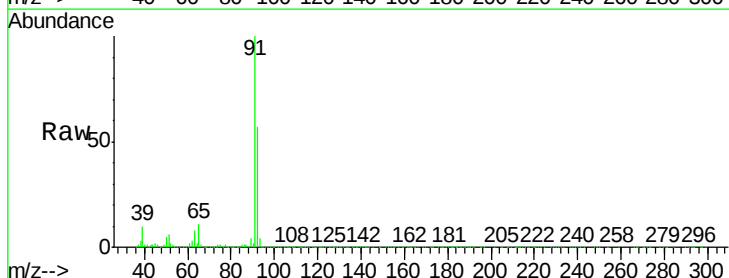
Manual Integrations
APPROVED

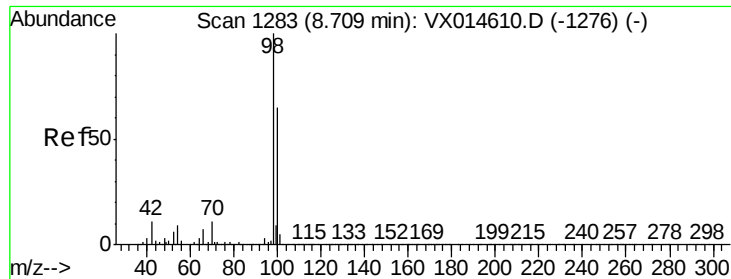
MMDadoda
1/16/2020 9:42:22 AM



#62
Toluene
Concen: 19.974 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.4	46.4	69.6





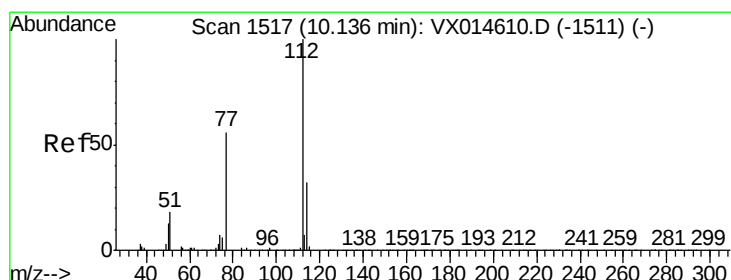
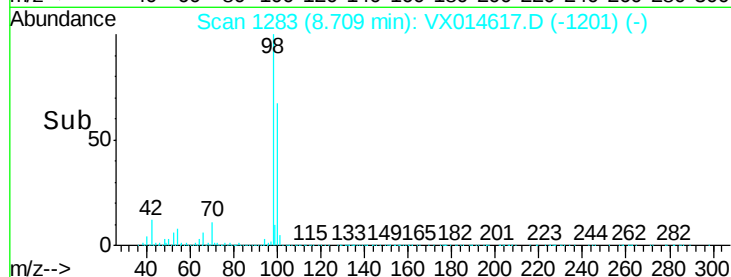
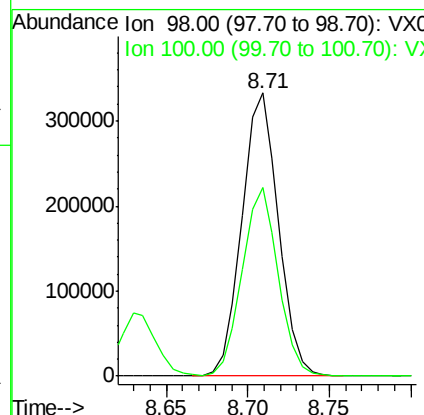
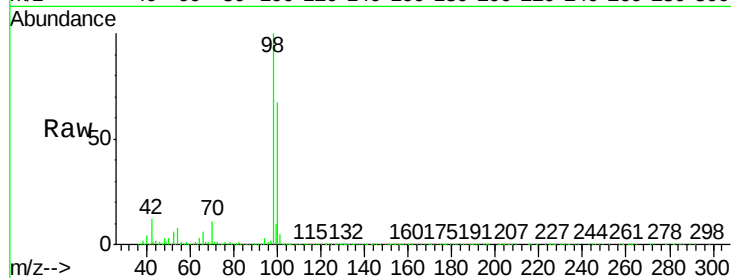
#63
Toluene-d8
Concen: 30.189 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2

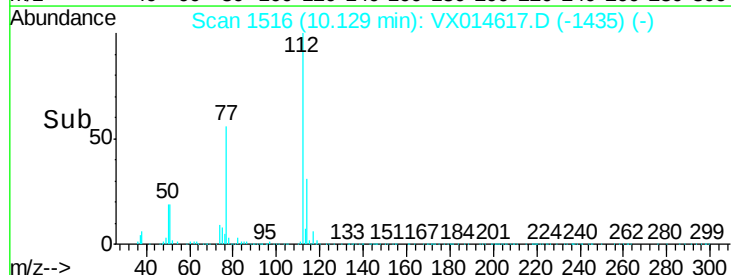
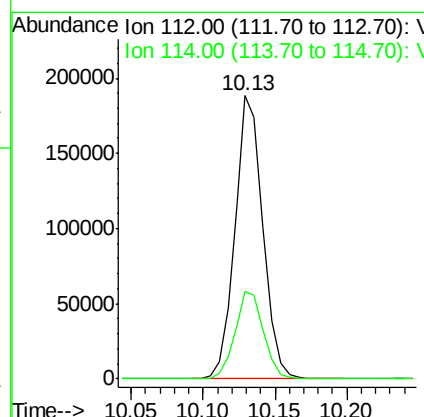
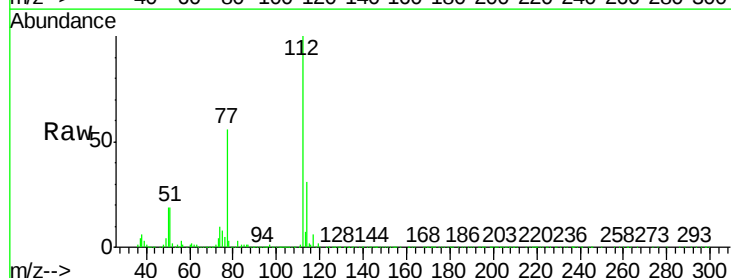
Manual Integrations
APPROVED

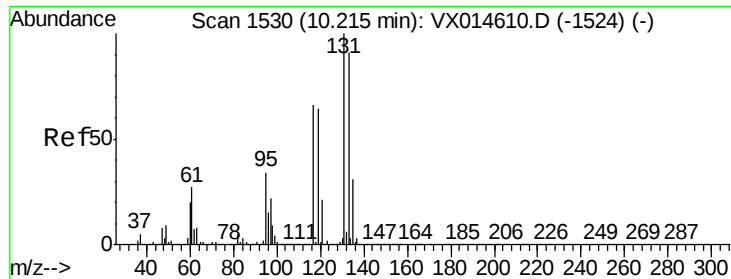
MMDadoda
1/16/2020 9:42:22 AM



#64
Chlorobenzene
Concen: 20.243 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	24.4	36.6





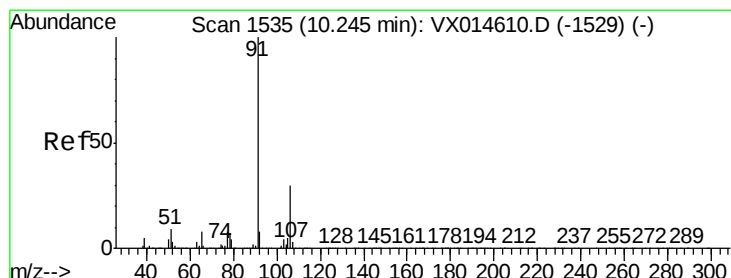
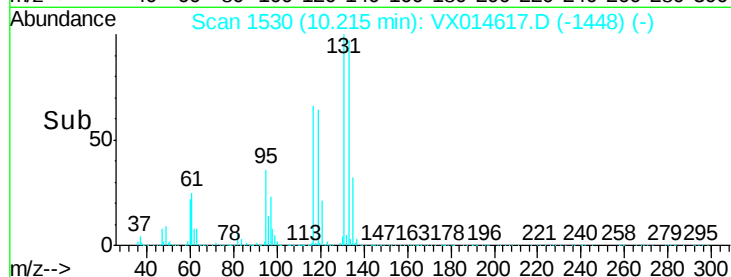
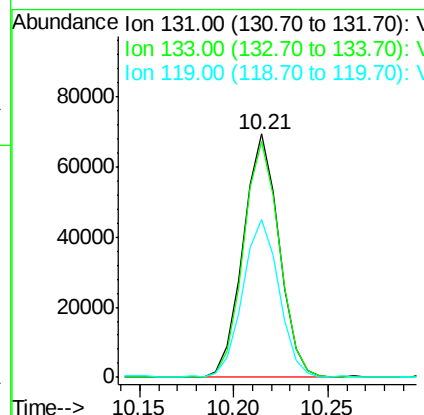
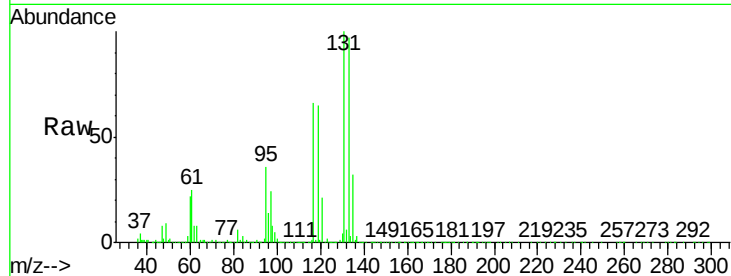
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.798 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.1	0.0	189.8
119	65.0	0.0	132.2

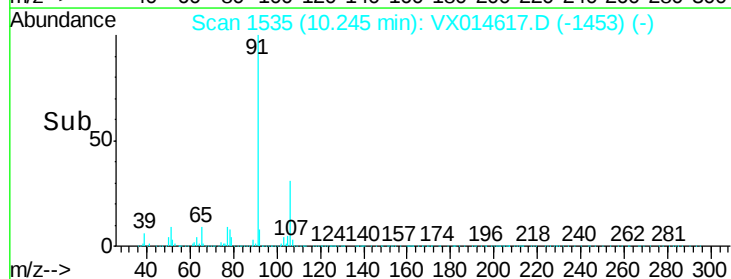
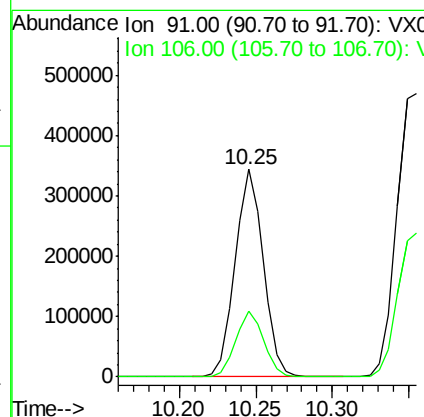
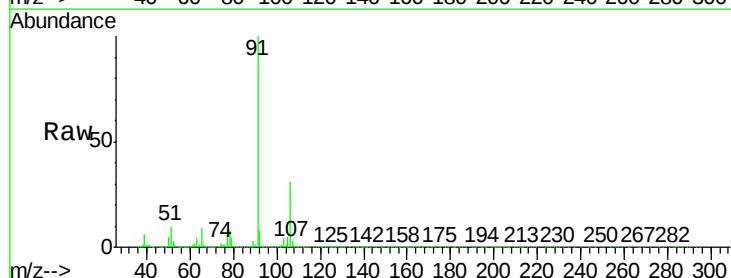
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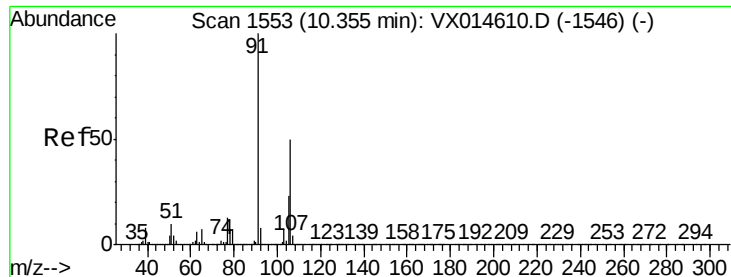
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#66
 Ethyl Benzene
 Concen: 19.940 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.2	36.2





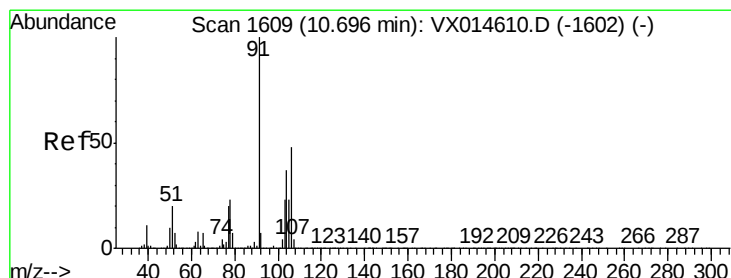
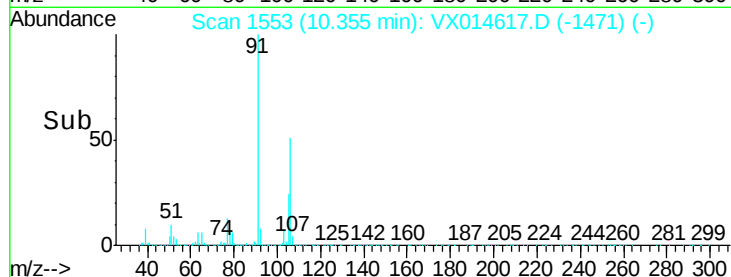
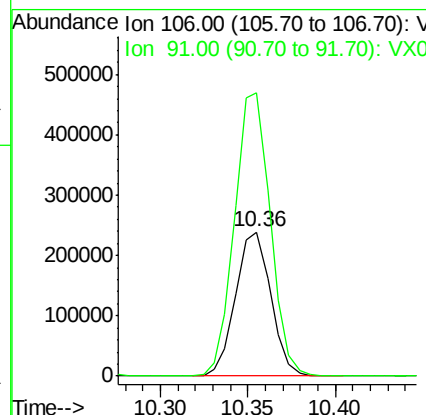
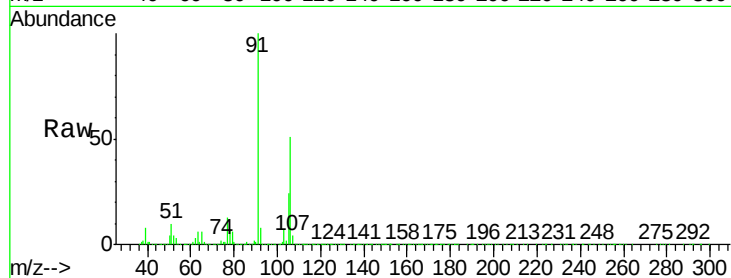
#67
m/p-Xvlenes
Concen: 39.692 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	333983		
91	199.8	159.3	238.9	

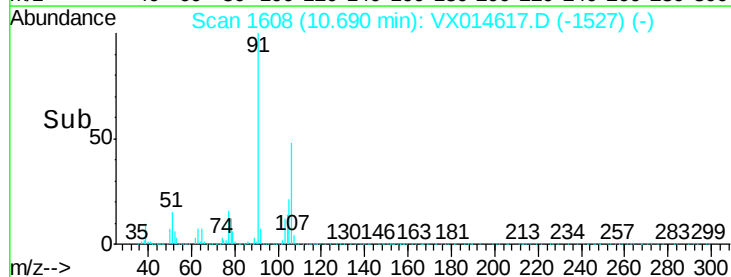
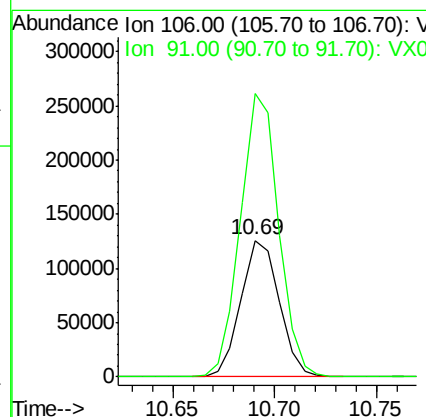
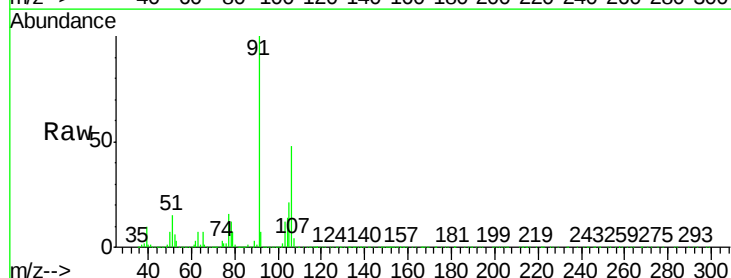
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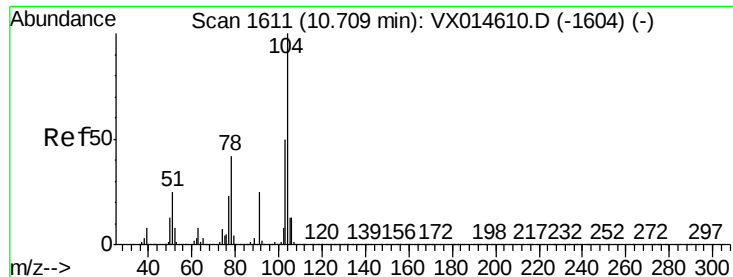
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#68
o-Xylene
Concen: 20.088 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	164592		
91	206.1	104.8	314.6	





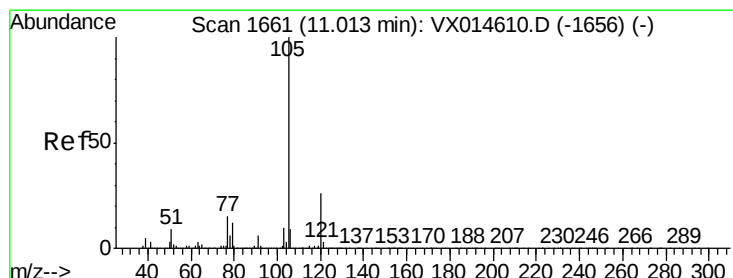
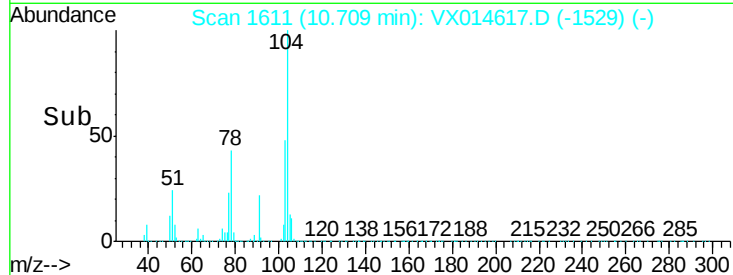
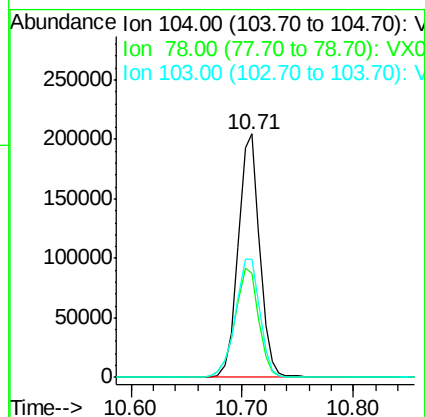
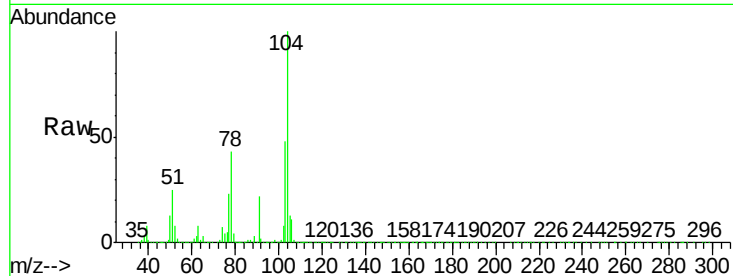
#69
Stvrene
Concen: 19.574 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	38.9	58.3
103	55.2	44.2	66.2

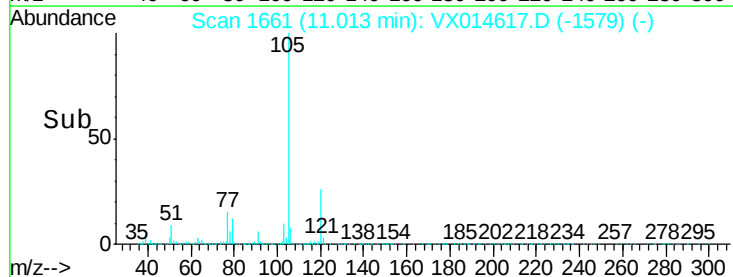
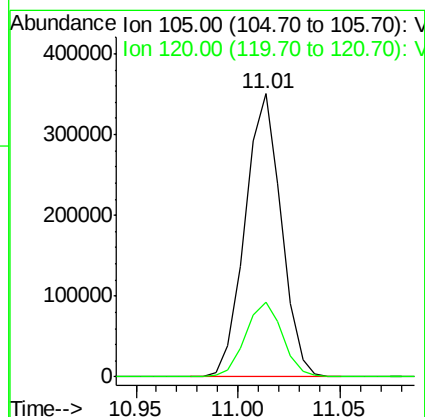
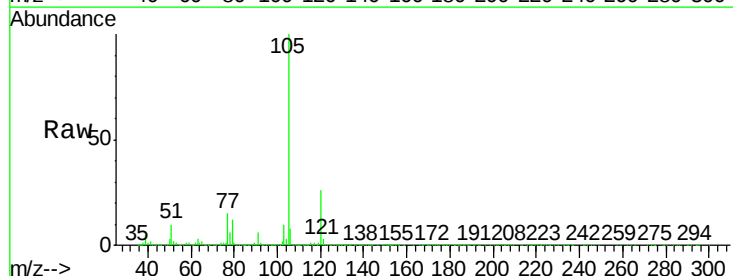
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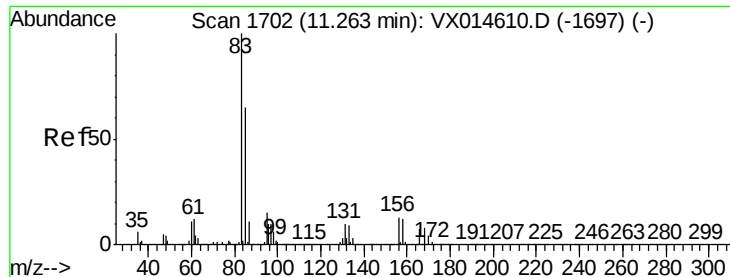
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#70
Isopropylbenzene
Concen: 20.132 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.1	35.5





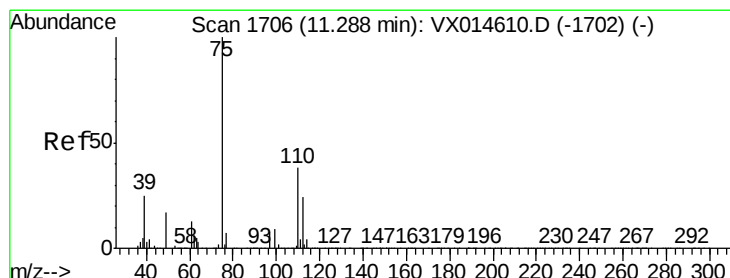
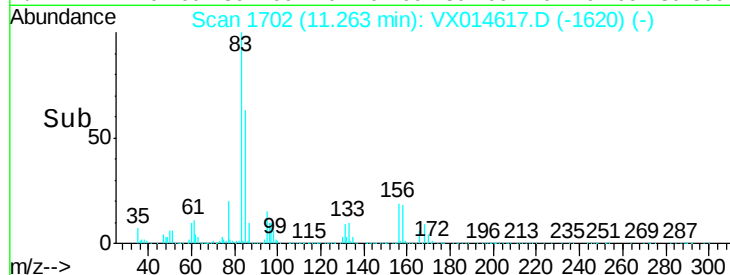
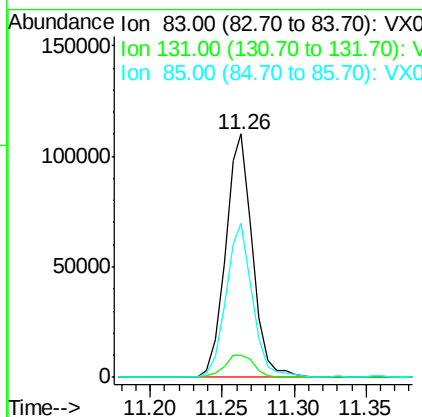
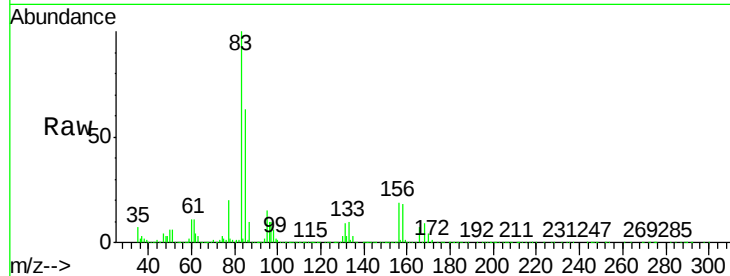
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.943 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	144203		
131	10.1	4.9	14.7	
85	62.2	31.6	94.7	

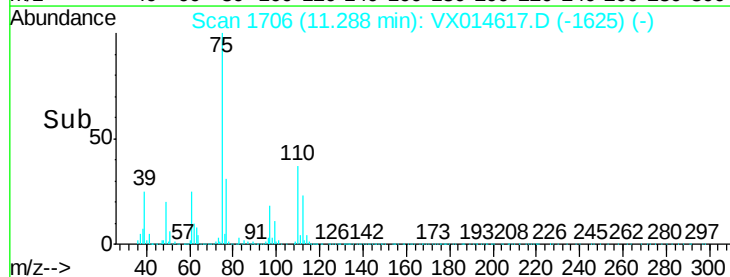
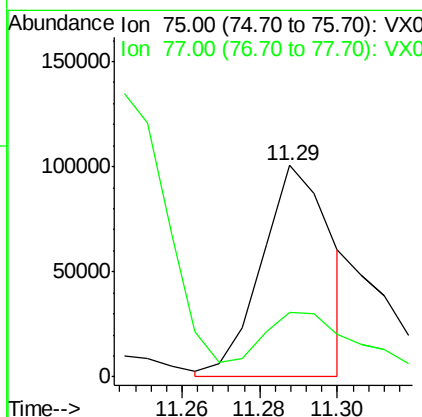
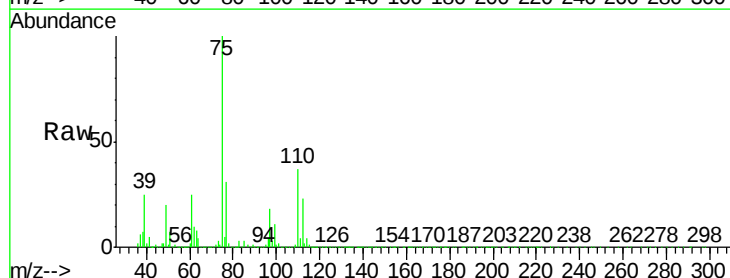
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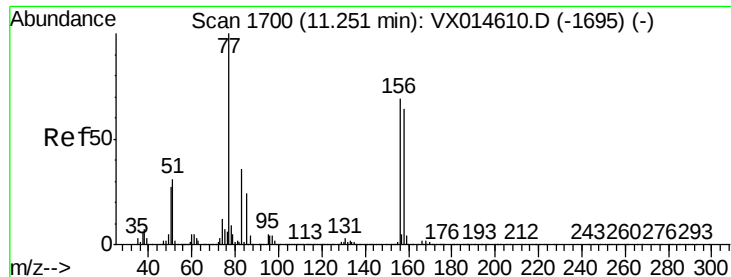
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#72
 1,2,3-Trichloropropane
 Concen: 20.192 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124886		
77	41.0	0.0	68.4	





#73

Bromobenzene

Concen: 19.714 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

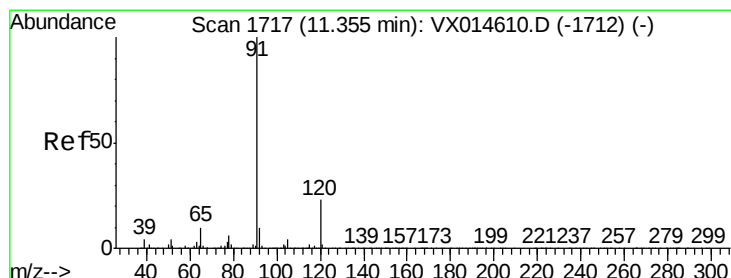
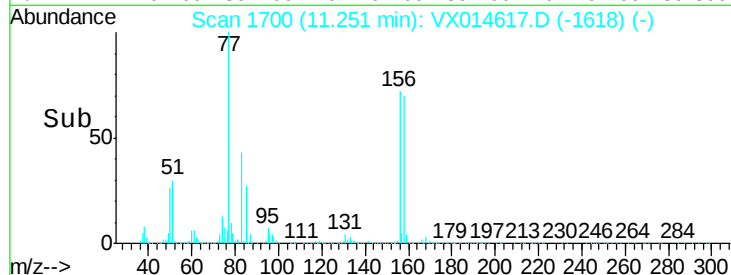
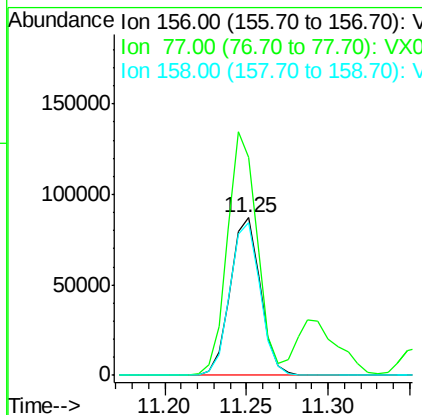
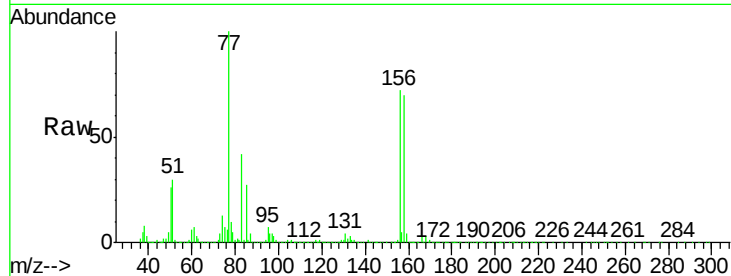
ClientSampleId :

VX0115WBSD01

Tot Ion:	156	Resp:	112177
Ion Ratio	Lower	Upper	
156	100		
77	152.2	0.0	304.6
158	97.1	0.0	195.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.144 ug/l

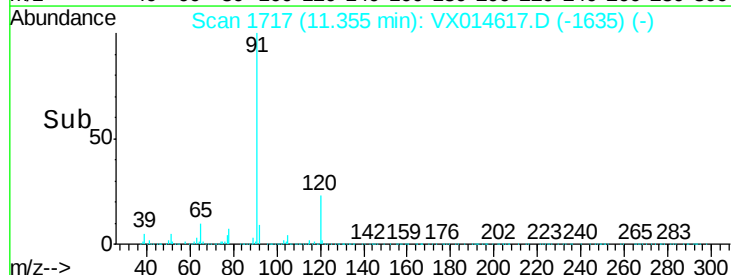
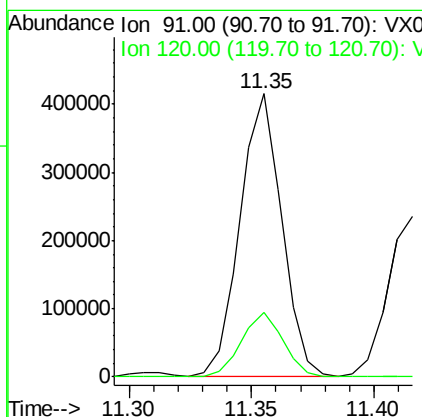
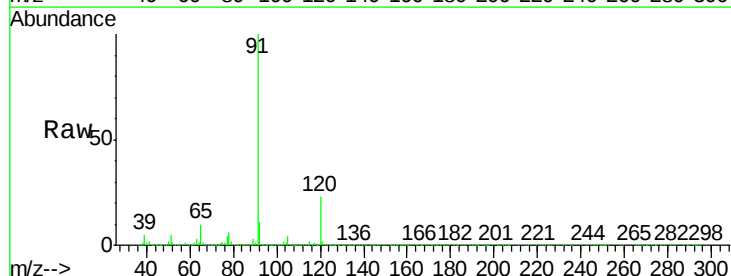
RT: 11.35 min Scan# 1717

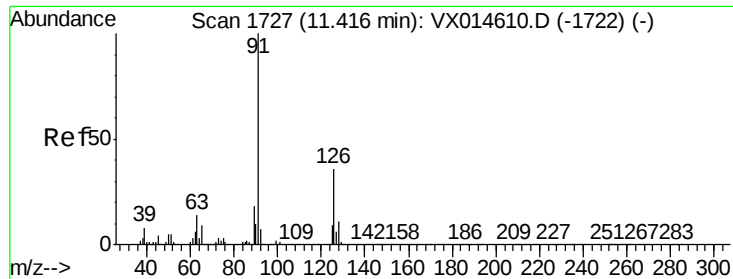
Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	91	Resp:	494093
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	44.8





#75

2-Chlorotoluene

Concen: 19.938 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBSD01

Tot Ion: 91 Resp: 293106

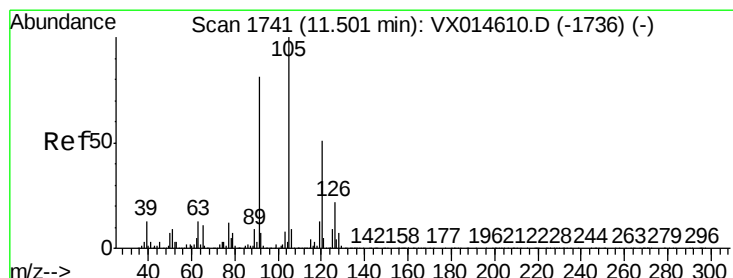
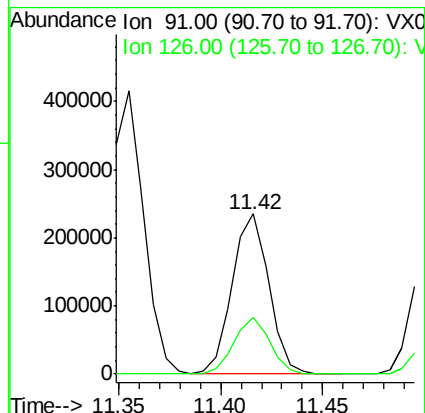
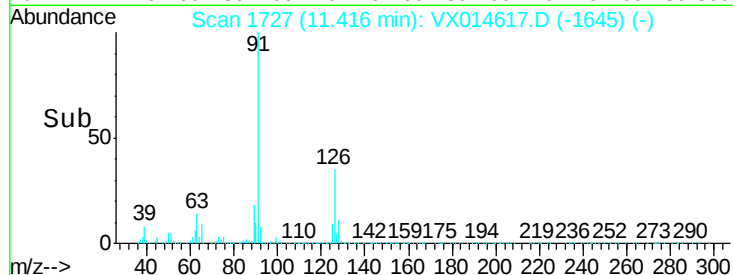
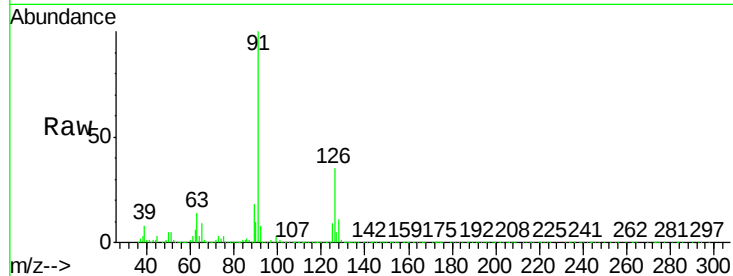
Ion Ratio Lower Upper

91 100

126 34.4 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 20.103 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014617.D

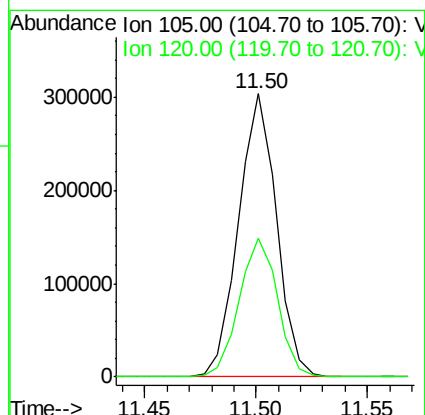
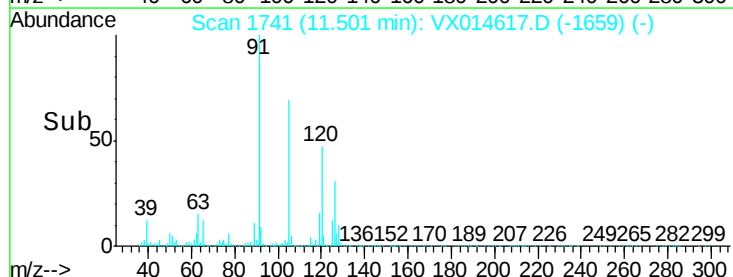
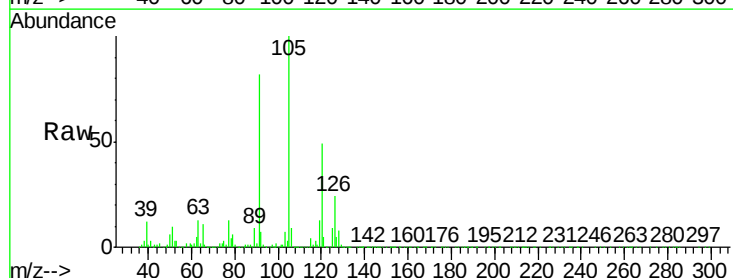
Acq: 15 Jan 2020 14:42

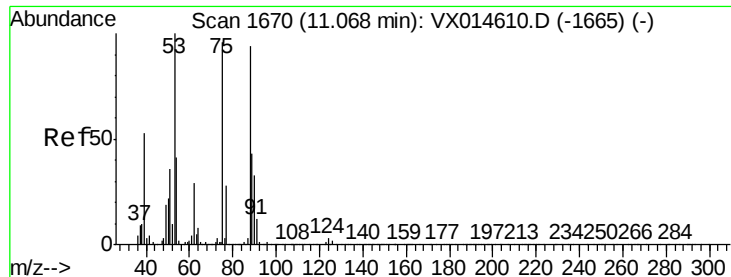
Tgt Ion: 105 Resp: 359574

Ion Ratio Lower Upper

105 100

120 49.6 0.0 100.6





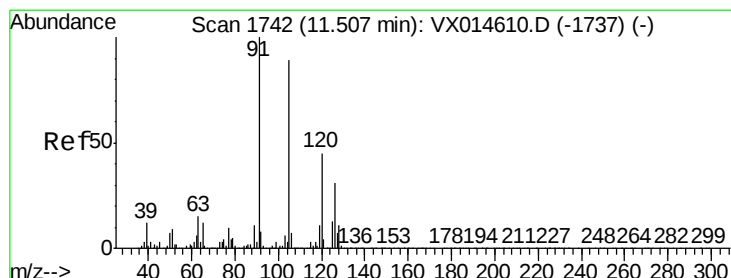
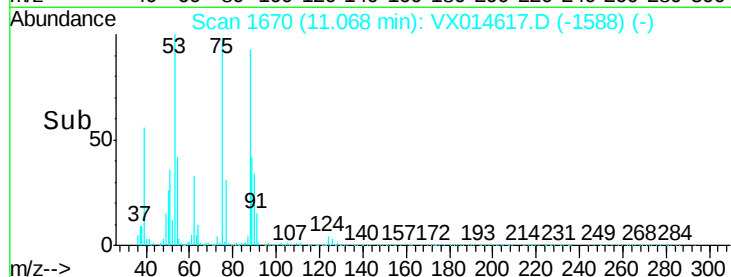
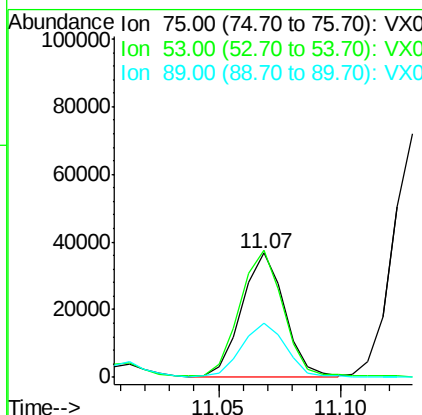
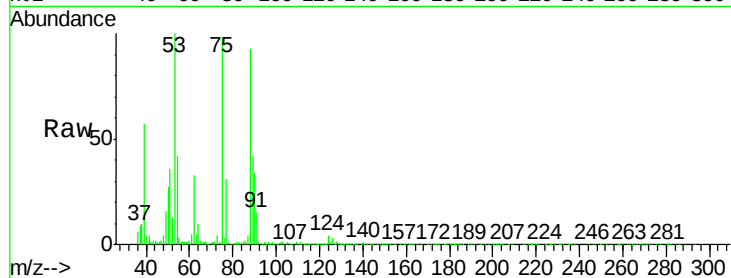
#77
t-1,4-Dichloro-2-butene
Concen: 18.807 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	54.4	163.1
89	42.9	21.9	65.5

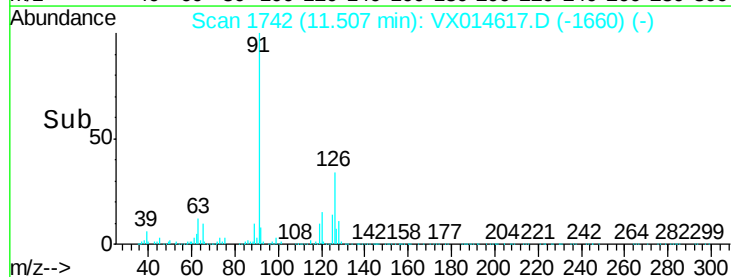
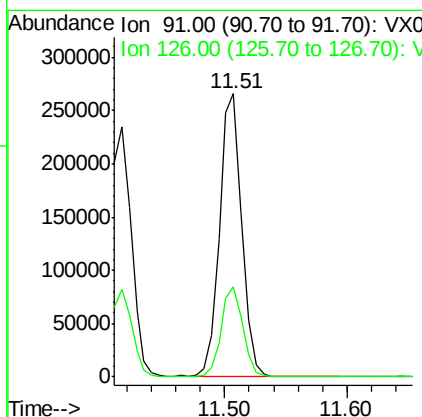
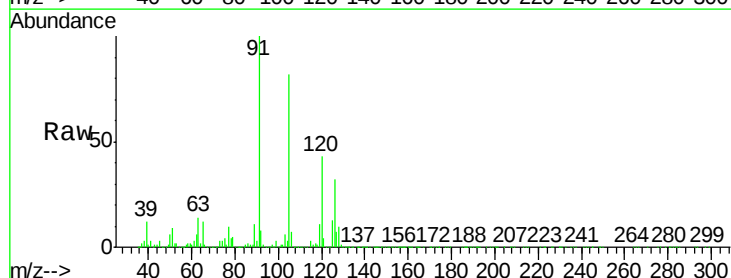
Manual Integrations
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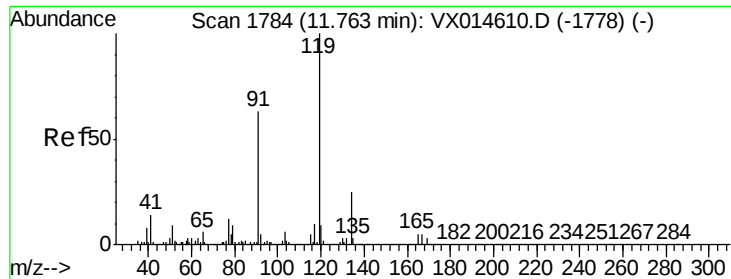
MMDadoda
1/16/2020 9:42:22 AM



#78
4-Chlorotoluene
Concen: 19.975 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	59.6





#79

tert-butylbenzene

Concen: 20.244 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Instrument :

MSVOA_X

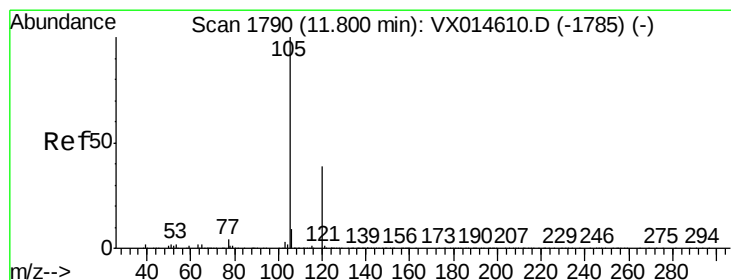
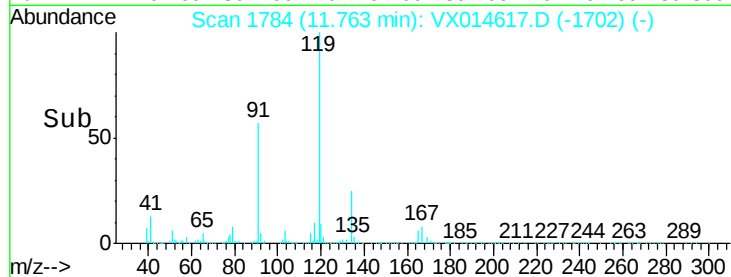
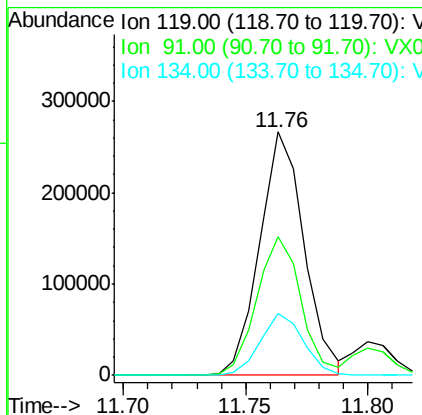
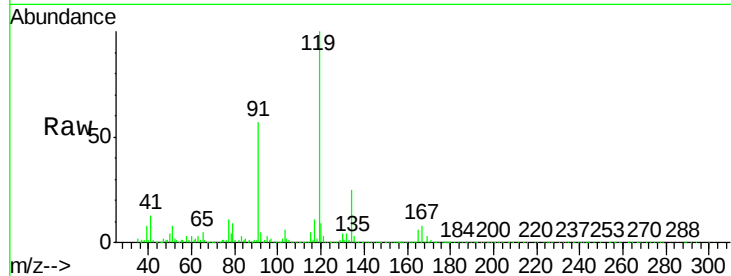
ClientSampled :

VX0115WBSD01

Tot Ion:	119	Resp:	338813
Ion Ratio	Lower	Upper	
119	100		
91	56.6	0.0	112.6
134	24.5	0.0	49.8

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#80

1,2,4-Trimethylbenzene

Concen: 19.963 ug/l

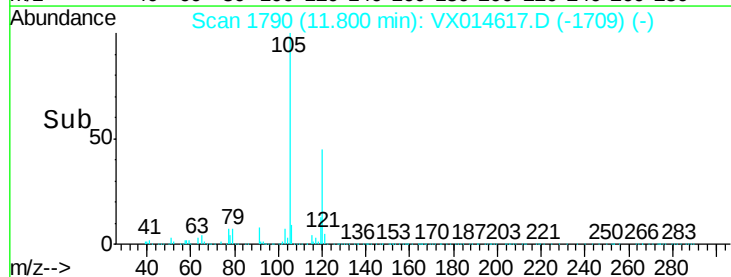
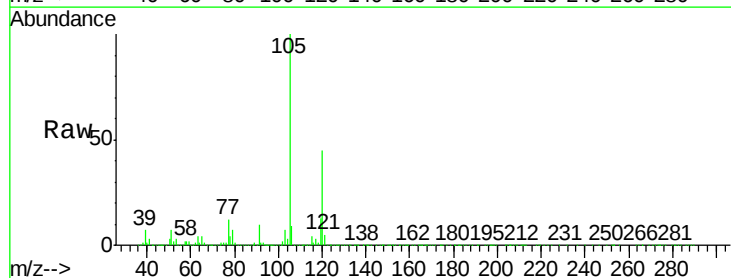
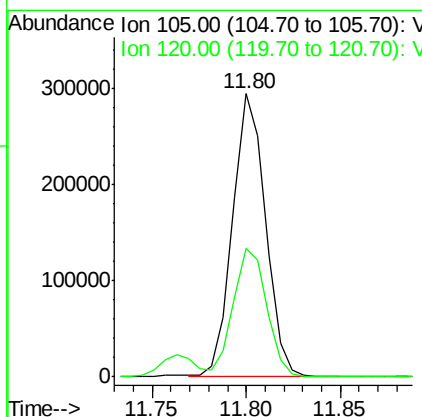
RT: 11.80 min Scan# 1790

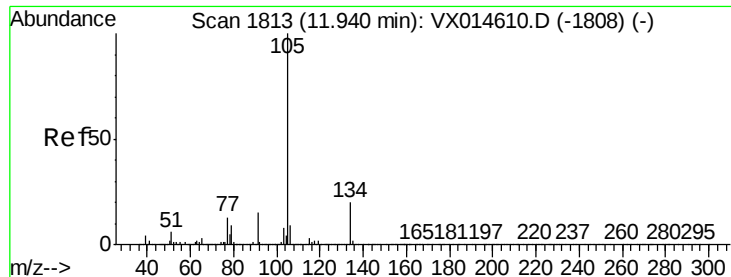
Delta R.T. -0.01 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion:	105	Resp:	356141
Ion Ratio	Lower	Upper	
105	100		
120	46.1	0.0	92.0





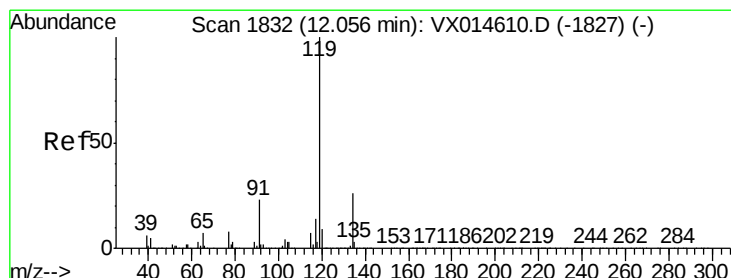
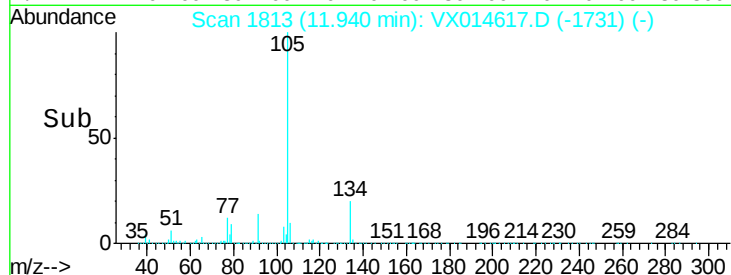
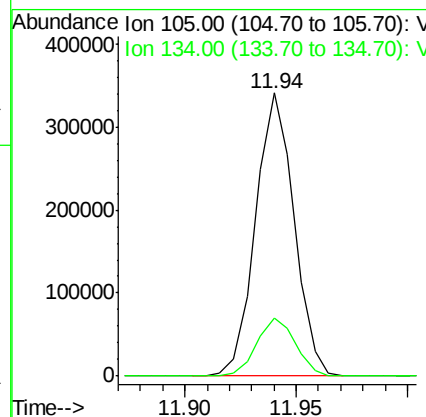
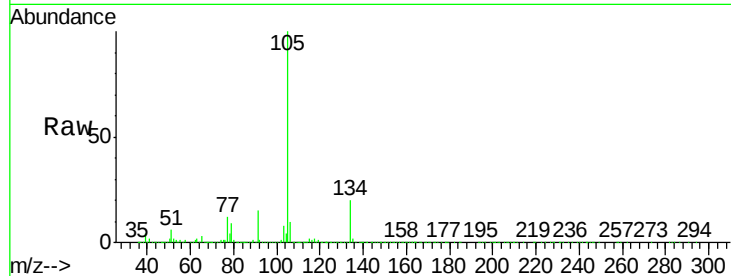
#81
 sec-Butylbenzene
 Concen: 19.828 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	410623		
134	20.5	0.0	40.2	

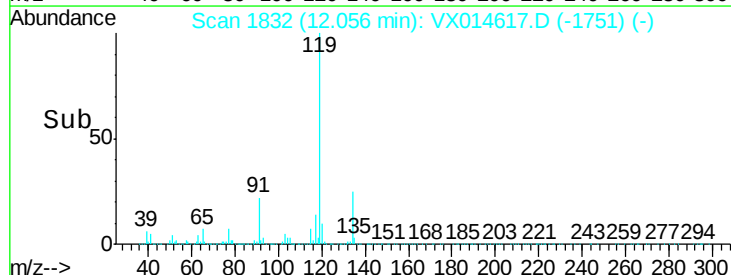
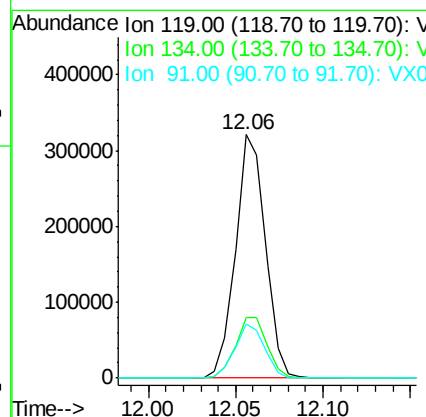
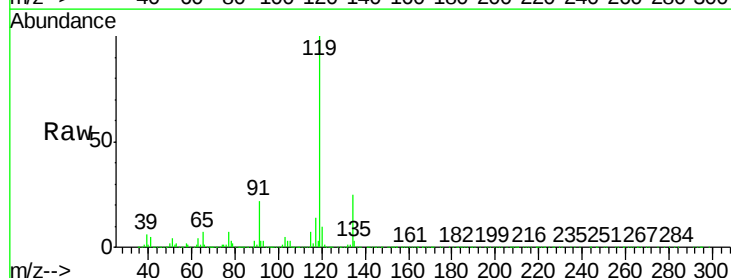
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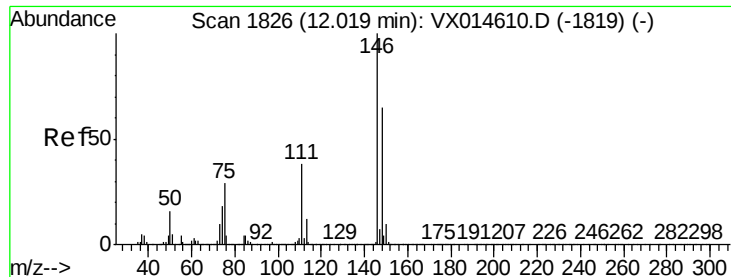
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 1/16/2020 9:42:22 AM



#82
 p-Isopropyltoluene
 Concen: 20.185 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	381614		
134	26.3	0.0	53.8	
91	22.1	0.0	45.0	





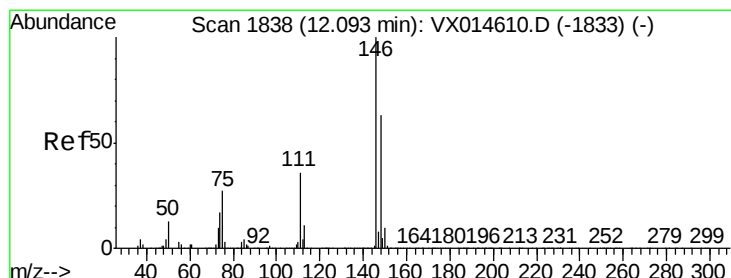
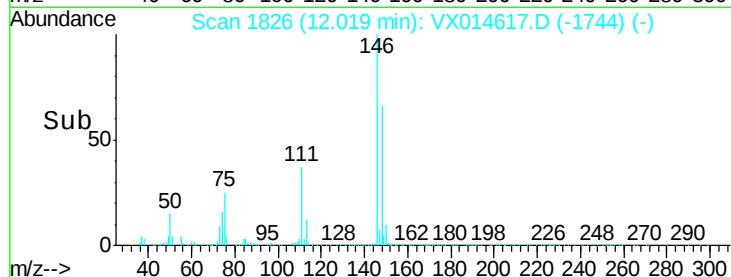
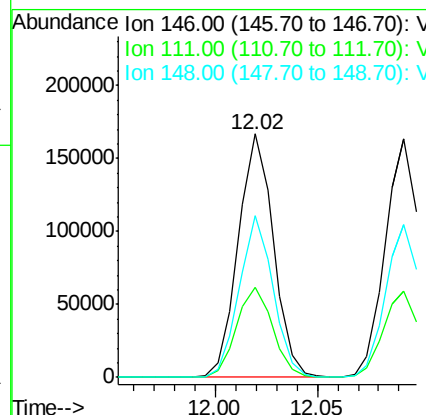
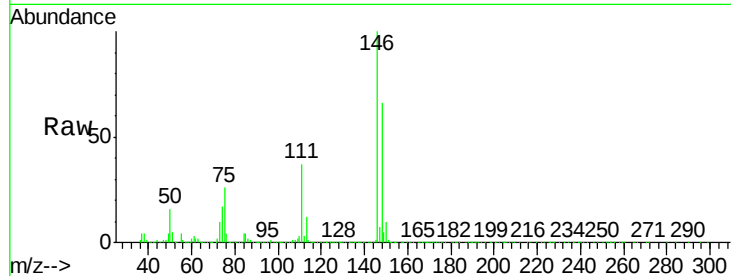
#83
 1,3-Dichlorobenzene
 Concen: 20.067 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	63.6	32.2	96.6

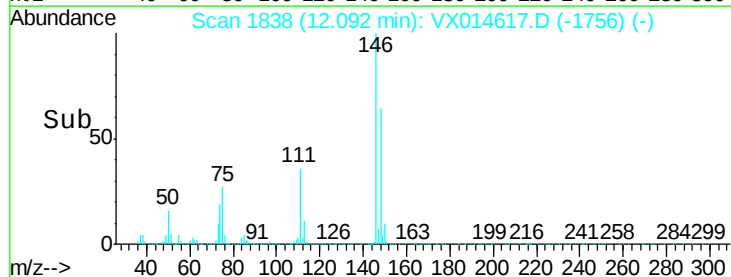
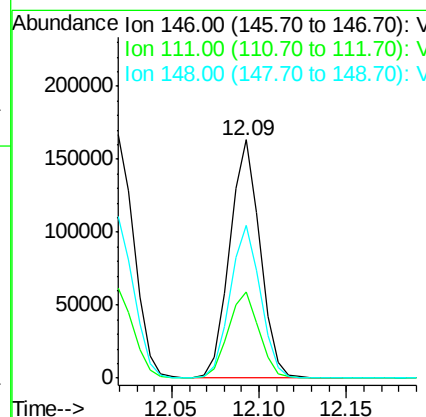
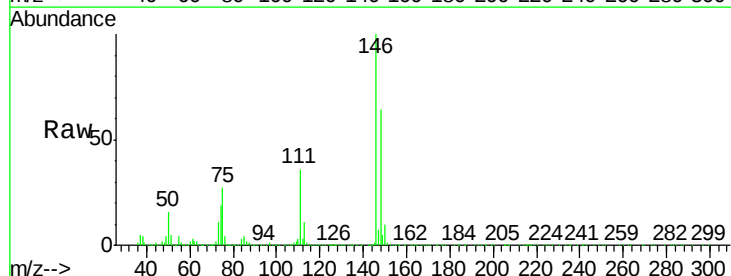
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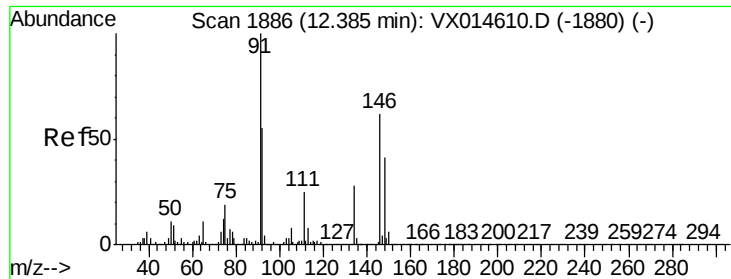
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#84
 1,4-Dichlorobenzene
 Concen: 20.036 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	63.5	32.0	96.0





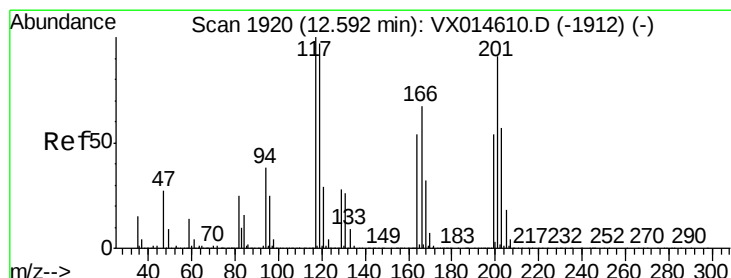
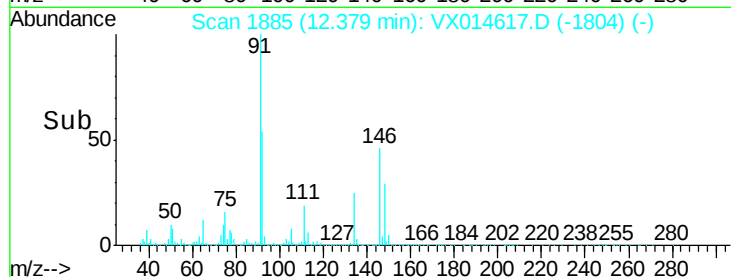
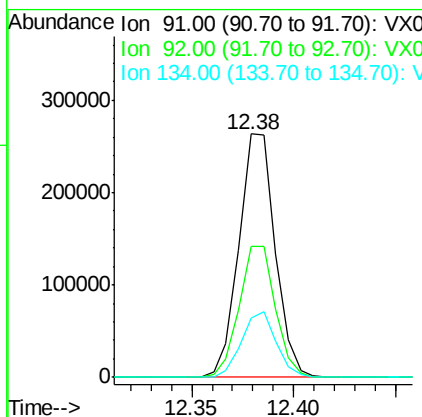
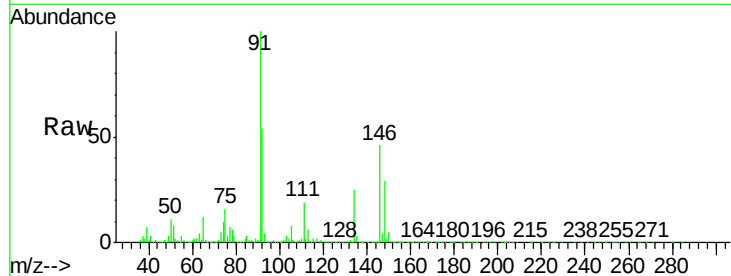
#85
n-Butylbenzene
Concen: 19.611 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	324408		
92	53.8	0.0	109.0	
134	26.0	0.0	54.0	

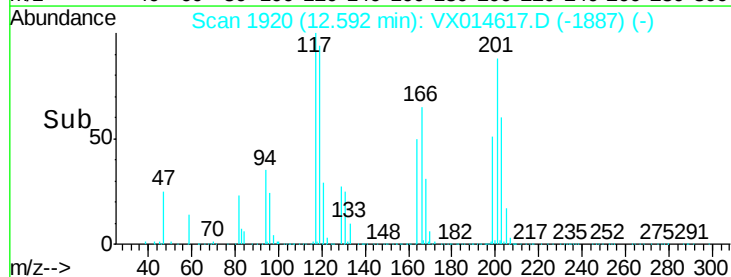
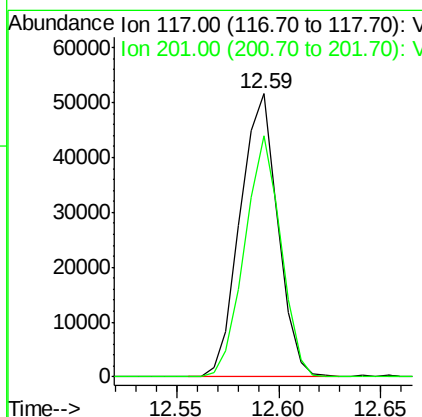
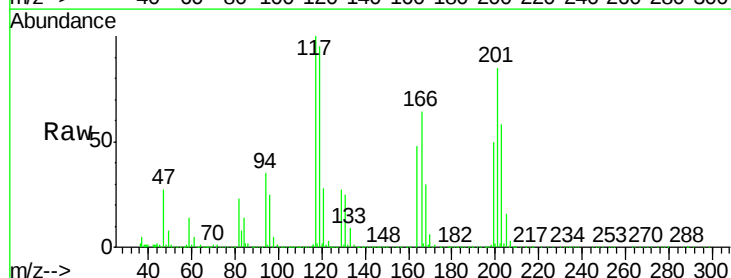
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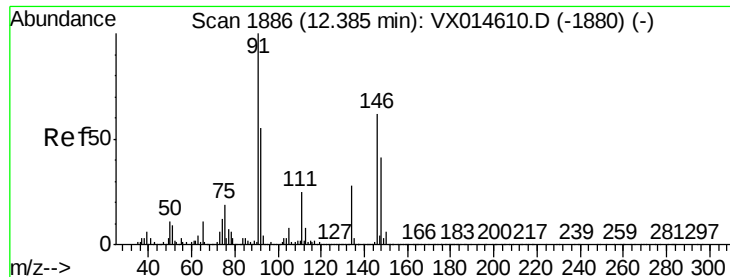
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#86
Hexachloroethane
Concen: 19.414 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65821		
201	82.5	44.8	134.3	





#87

1,2-Dichlorobenzene

Concen: 20.027 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

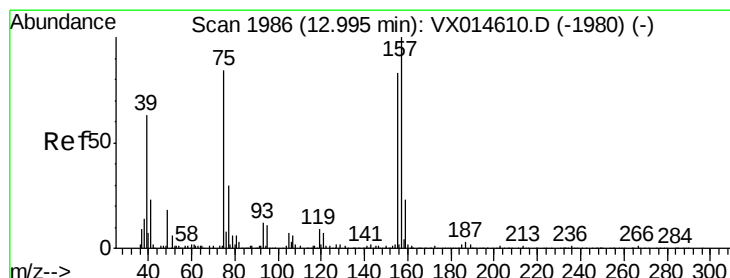
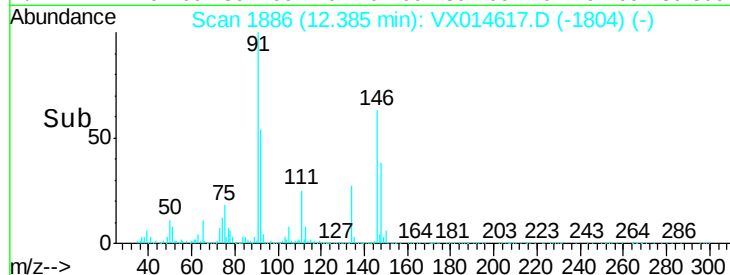
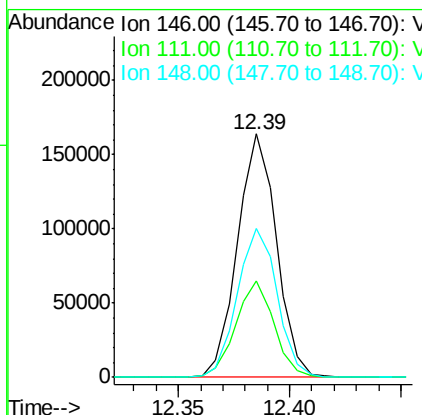
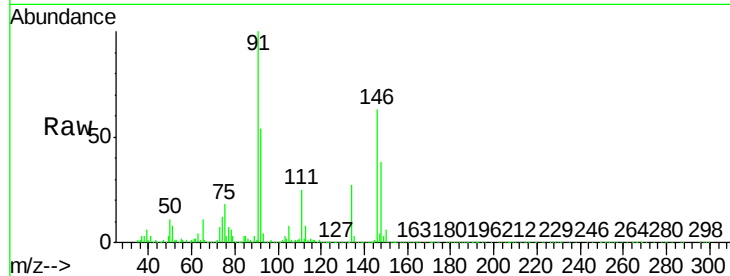
Instrument :
MSVOA_X

ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.1	60.2
148	62.5	32.0	96.2

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.142 ug/l

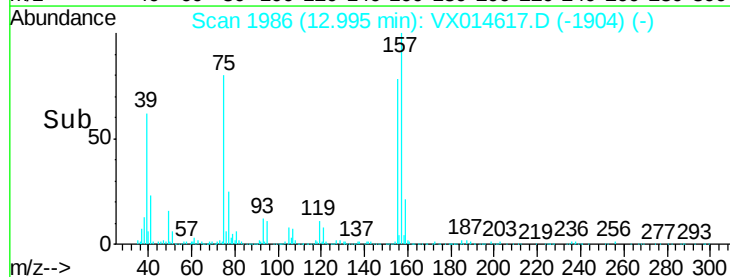
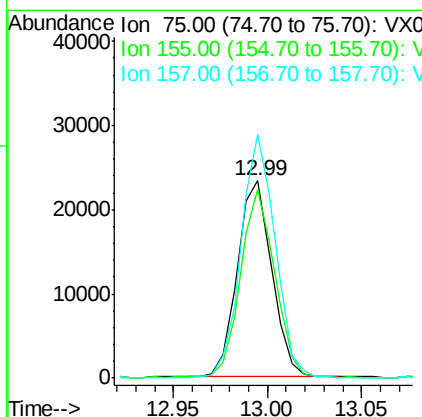
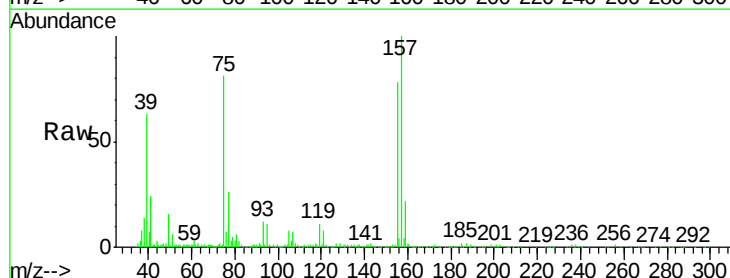
RT: 12.99 min Scan# 1986

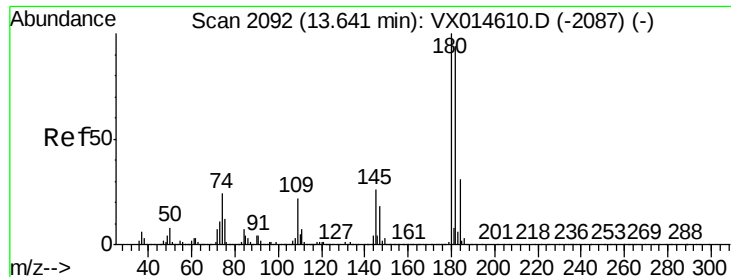
Delta R.T. 0.00 min

Lab File: VX014617.D

Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	73.8	110.6
157	123.8	95.0	142.4





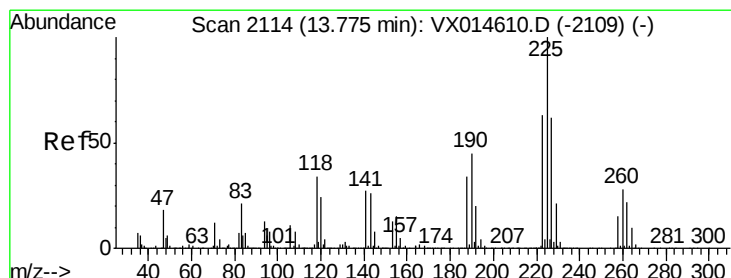
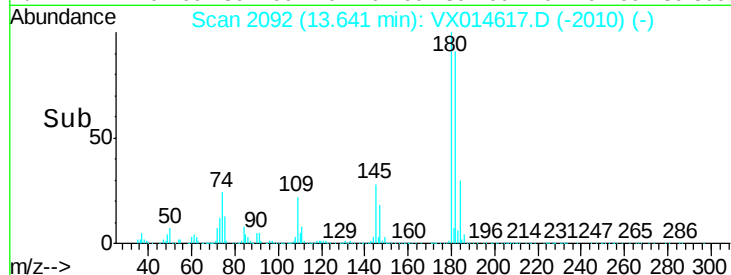
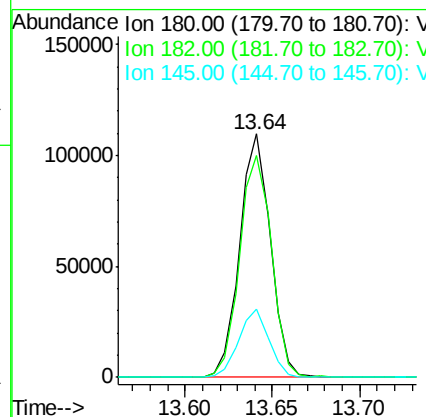
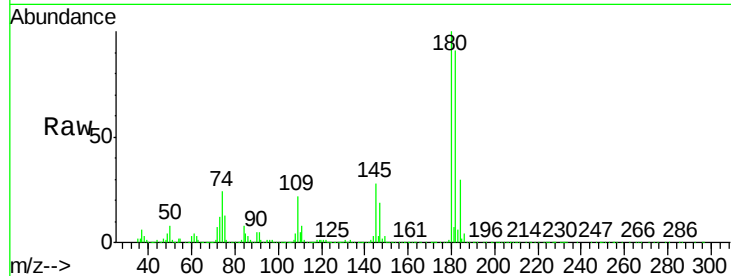
#89
 1,2,4-Trichlorobenzene
 Concen: 20.293 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.4	114.6
145	27.9	21.9	32.9

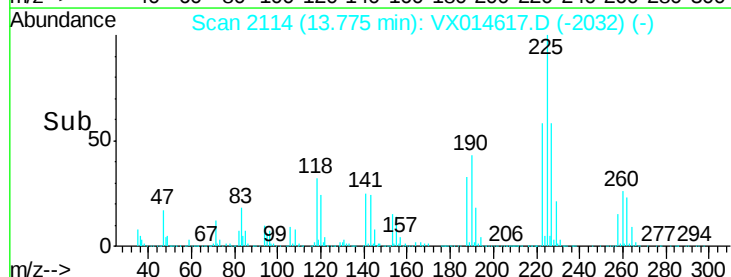
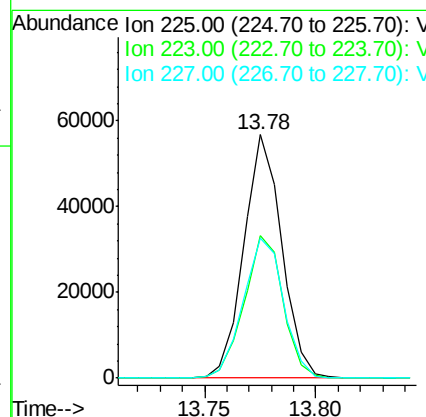
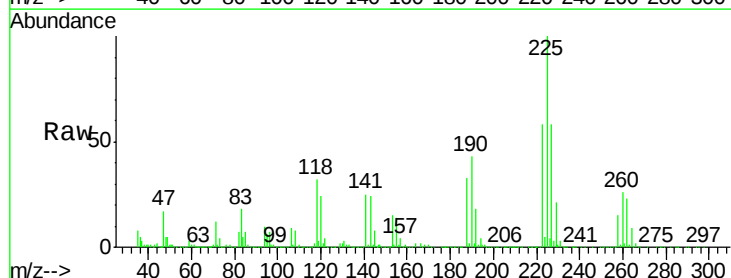
Manual Integrations
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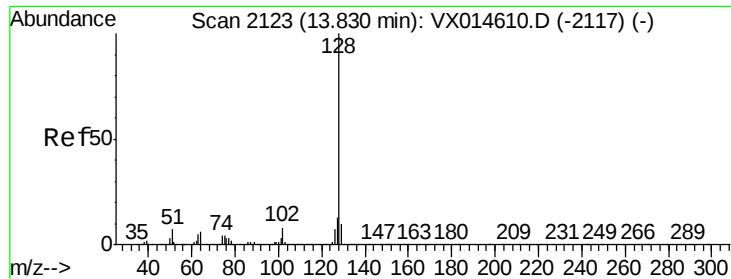
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#90
 Hexachlorobutadiene
 Concen: 20.402 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014617.D
 Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	0.0	127.4
227	61.2	0.0	122.8





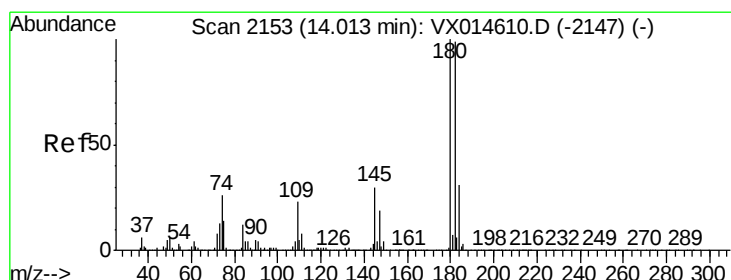
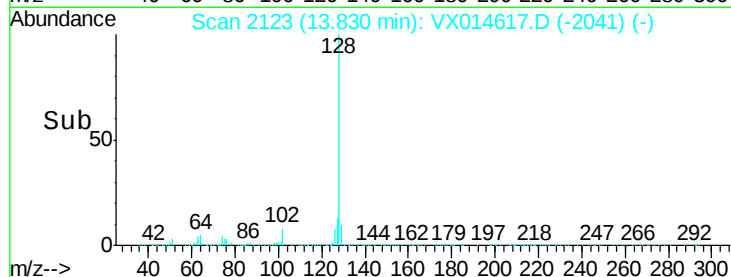
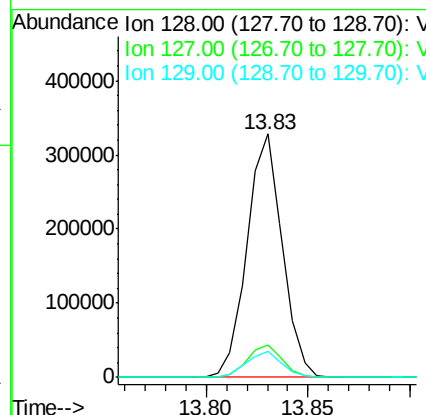
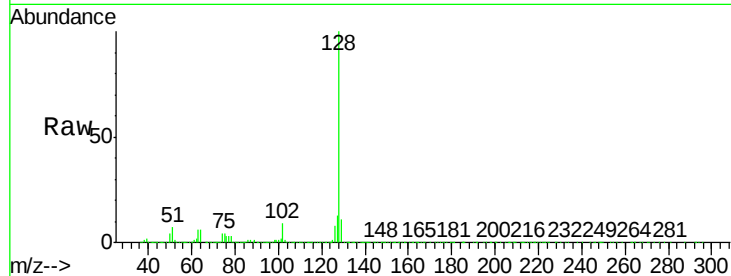
#91
Naphthalene
Concen: 19.714 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 20.093 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014617.D
Acq: 15 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	192.8
145	29.9	0.0	60.0

