

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021020\
 Data File : VX014878.D
 Acq On : 10 Feb 2020 10:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 10:36:06 AM

Quant Time: Feb 10 11:39:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 11:22:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	455566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	681723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	639207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100022	17.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.40%	
35) Dibromofluoromethane	5.50	113	82249	16.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.46%	
50) Toluene-d8	8.71	98	312438	18.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.60%	
62) 4-Bromofluorobenzene	11.13	95	109470	19.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	91807	22.086	ug/l	99
3) Chloromethane	1.32	50	100483	20.947	ug/l	99
4) Vinyl Chloride	1.41	62	107287	20.679	ug/l	99
5) Bromomethane	1.64	94	61775	18.630	ug/l	97
6) Chloroethane	1.73	64	68134	20.088	ug/l	98
7) Trichlorofluoromethane	1.93	101	149405	20.457	ug/l	98
8) Diethyl Ether	2.18	74	61160	20.036	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	84032	19.479	ug/l	100
10) Methyl Iodide	2.51	142	70714	20.387	ug/l	99
11) Tert butyl alcohol	3.02	59	86930	97.927	ug/l	99
12) 1,1-Dichloroethene	2.37	96	84760	20.566	ug/l	97
13) Acrolein	2.28	56	65529	95.733	ug/l	99
14) Allyl chloride	2.72	41	141437	19.202	ug/l	98
15) Acrylonitrile	3.13	53	230715	101.805	ug/l	99
16) Acetone	2.43	43	305756	95.514	ug/l	99
17) Carbon Disulfide	2.57	76	231580	20.295	ug/l	99
18) Methyl Acetate	2.77	43	102021	20.172	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	274177	20.551	ug/l	98
20) Methylene Chloride	2.85	84	93485	18.419	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	92491	20.142	ug/l	96
22) Diisopropyl ether	3.84	45	288682	20.668	ug/l	99
23) Vinyl Acetate	3.81	43	1210456	104.685	ug/l	100
24) 1,1-Dichloroethane	3.69	63	160015	20.168	ug/l	99
25) 2-Butanone	4.66	43	357545	103.164	ug/l	97
26) 2,2-Dichloropropane	4.58	77	133534	19.533	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	101950	20.017	ug/l	100
28) Bromochloromethane	5.01	49	65284	24.533	ug/l	99
29) Tetrahydrofuran	5.12	42	205319	105.916	ug/l	98
30) Chloroform	5.20	83	160219	20.309	ug/l	99
31) Cyclohexane	5.58	56	143560	20.658	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	139036	20.401	ug/l	100
36) 1,1-Dichloropropene	5.79	75	120426	20.098	ug/l	99
37) Ethyl Acetate	4.82	43	127346	20.346	ug/l	99
38) Carbon Tetrachloride	5.78	117	121814	21.019	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148722	19.673	ug/l	96
40) Benzene	6.14	78	368401	20.328	ug/l	99
41) Methacrylonitrile	5.03	41	70753	21.424	ug/l	99
42) 1,2-Dichloroethane	6.19	62	130961	19.805	ug/l	99
43) Isopropyl Acetate	6.44	43	208352	20.445	ug/l	99
44) Trichloroethene	7.21	130	106584	20.280	ug/l	96
45) 1,2-Dichloropropane	7.51	63	92922	20.163	ug/l	98
46) Dibromomethane	7.65	93	63108	19.961	ug/l	98
47) Bromodichloromethane	7.89	83	123972	20.113	ug/l	96
48) Methyl methacrylate	7.76	41	101996	20.653	ug/l	99
49) 1,4-Dioxane	7.73	88	35958	375.747	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	646343	104.789	ug/l	99
52) Toluene	8.78	92	235290	20.593	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	140299	21.319	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	151360	20.475	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	93899	20.270	ug/l	98
56) Ethyl methacrylate	9.17	69	139870	21.003	ug/l	99
57) 1,3-Dichloropropane	9.37	76	157711	20.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	368656	102.237	ug/l	100
59) 2-Hexanone	9.48	43	508325	105.606	ug/l	100
60) Dibromochloromethane	9.57	129	101374	21.095	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100357	20.021	ug/l	99
64) Tetrachloroethene	9.33	164	118550	20.232	ug/l	98
65) Chlorobenzene	10.14	112	256791	19.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	94062	20.444	ug/l	98
67) Ethyl Benzene	10.25	91	443802	20.474	ug/l	99
68) m/p-Xylenes	10.36	106	334886	40.221	ug/l	99
69) o-Xylene	10.69	106	159964	20.049	ug/l	98
70) Styrene	10.71	104	275562	20.822	ug/l	99
71) Bromoform	10.85	173	76217	20.682	ug/l	98
73) Isopropylbenzene	11.01	105	437155	20.773	ug/l	100
74) N-amyl acetate	10.89	43	179112	21.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	135711	19.584	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	116179m	15.937	ug/l	
77) Bromobenzene	11.25	156	116208	19.663	ug/l	98
78) n-propylbenzene	11.35	91	501118	20.667	ug/l	100
79) 2-Chlorotoluene	11.42	91	294362	20.518	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	368499	21.349	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	45487	22.329	ug/l	96
82) 4-Chlorotoluene	11.51	91	341890	20.251	ug/l	99
83) tert-Butylbenzene	11.76	119	338168	20.443	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	367195	20.992	ug/l	100
85) sec-Butylbenzene	11.94	105	420602	20.515	ug/l	99
86) p-Isopropyltoluene	12.06	119	389149	20.370	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	210550	19.941	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	210782	19.908	ug/l	99
89) n-Butylbenzene	12.38	91	349577	20.671	ug/l	99
90) Hexachloroethane	12.59	117	65489	20.115	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	204948	19.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	29530	17.995	ug/l	99

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ClientSampleId :
VSTDICC020

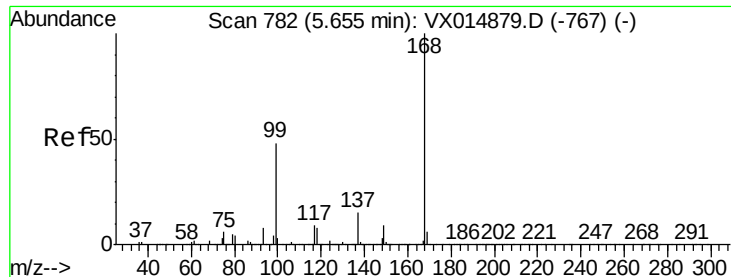
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	149663	19.975	ug/l	98
94) Hexachlorobutadiene	13.78	225	70678	19.157	ug/l	97
95) Naphthalene	13.83	128	422490	21.794	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	146910	20.229	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 455566

Ion Ratio Lower Upper

168 100

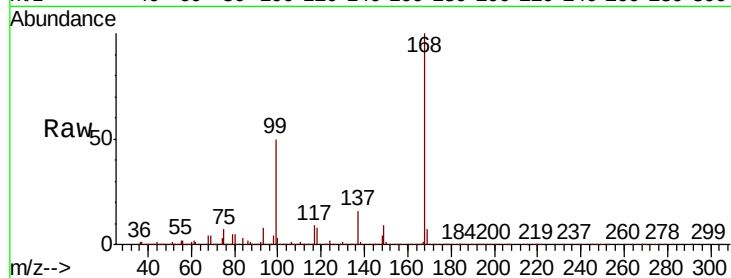
99 49.9 38.7 58.1

Manual Integrations

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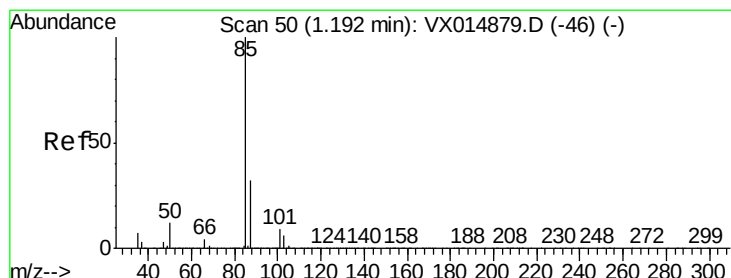
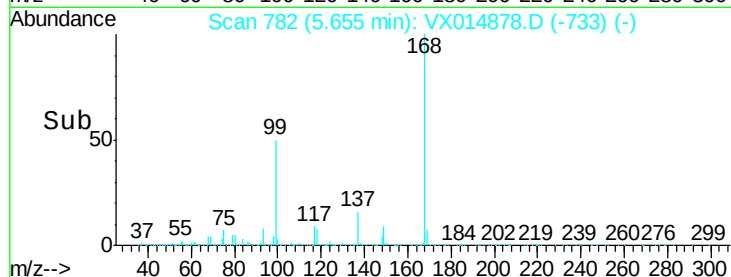
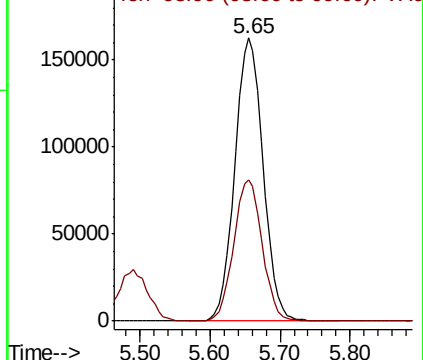
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.086 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014878.D

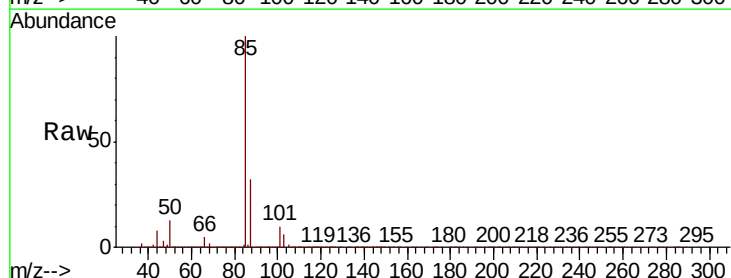
Acq: 10 Feb 2020 10:39

Tgt Ion: 85 Resp: 91807

Ion Ratio Lower Upper

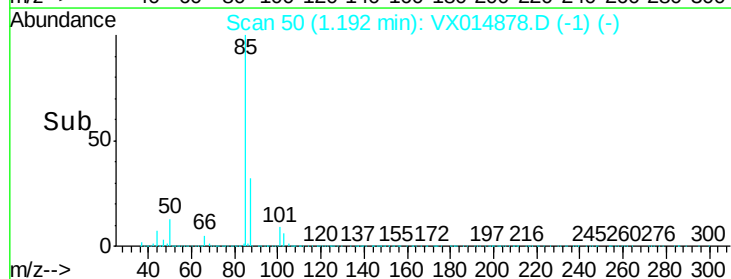
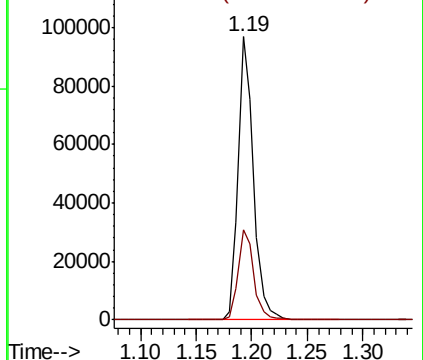
85 100

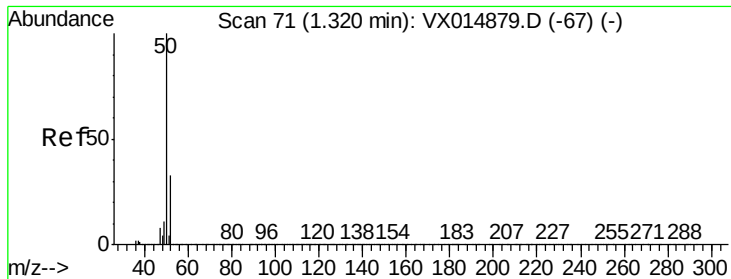
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.947 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 100483

Ion Ratio Lower Upper

50 100

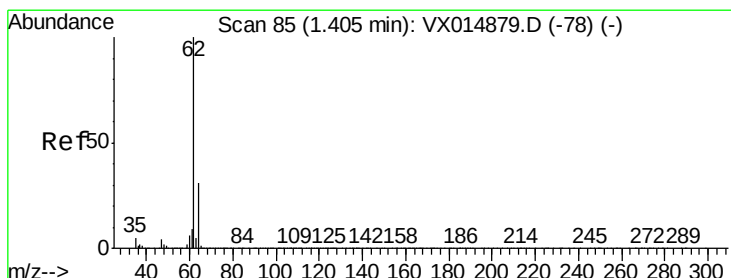
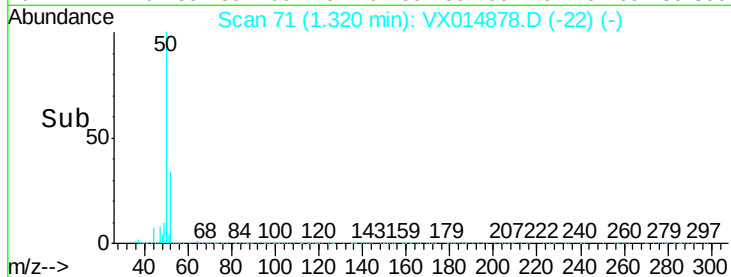
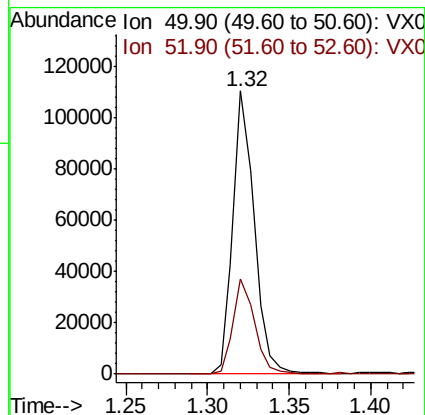
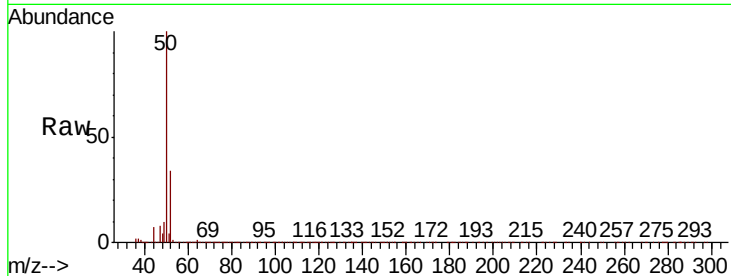
52 33.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 20.679 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX014878.D

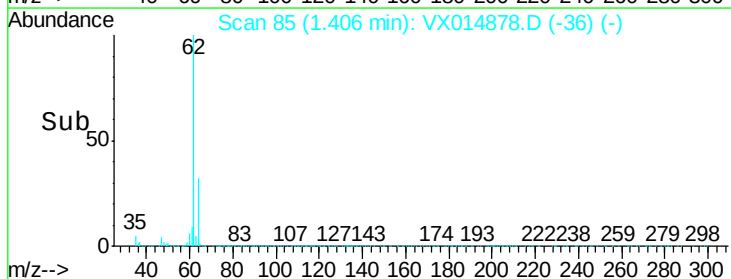
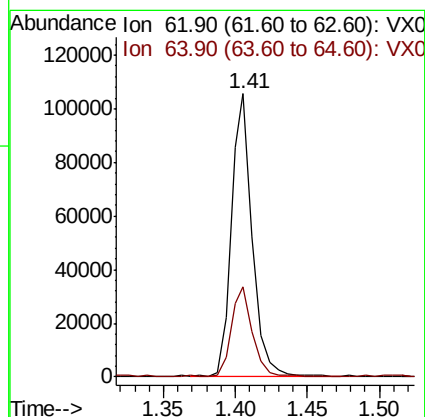
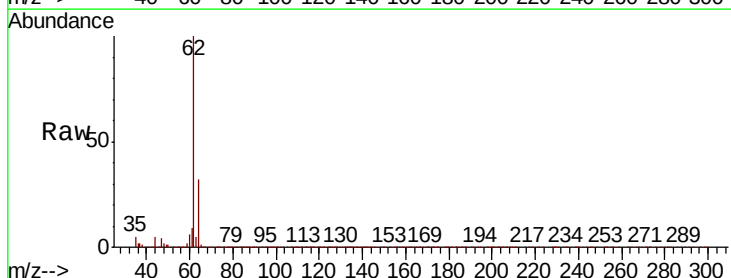
Acq: 10 Feb 2020 10:39

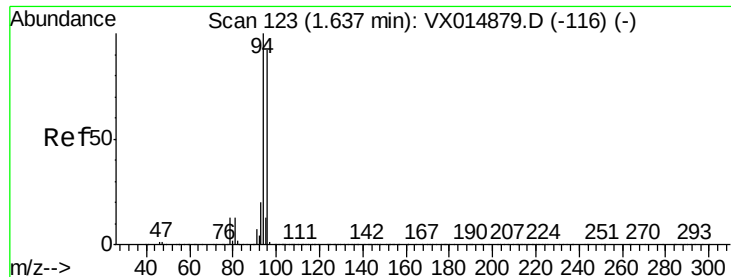
Tgt Ion: 62 Resp: 107287

Ion Ratio Lower Upper

62 100

64 31.5 24.8 37.2





#5

Bromomethane

Concen: 18.630 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 61775

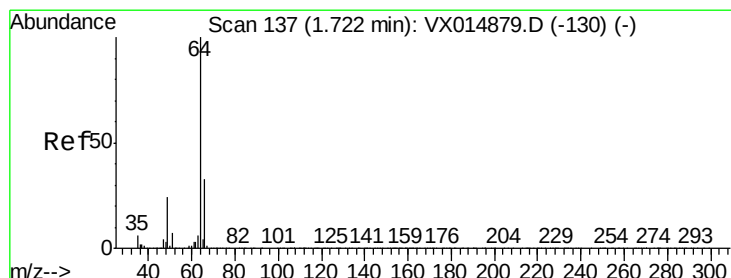
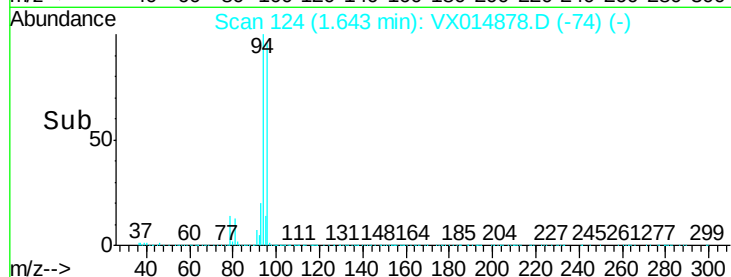
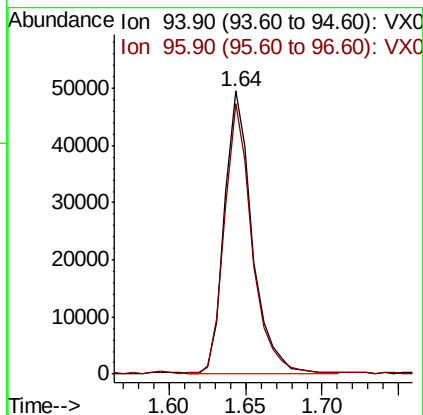
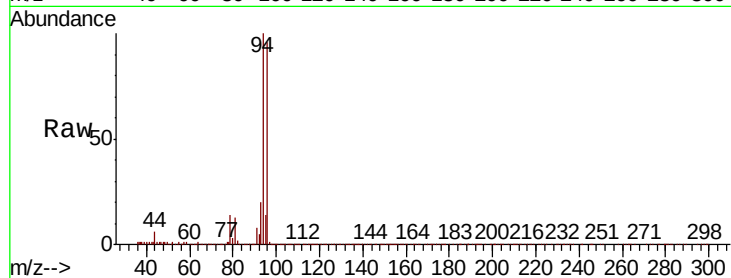
Ion Ratio Lower Upper

94 100

96 95.4 73.7 110.5

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#6

Chloroethane

Concen: 20.088 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014878.D

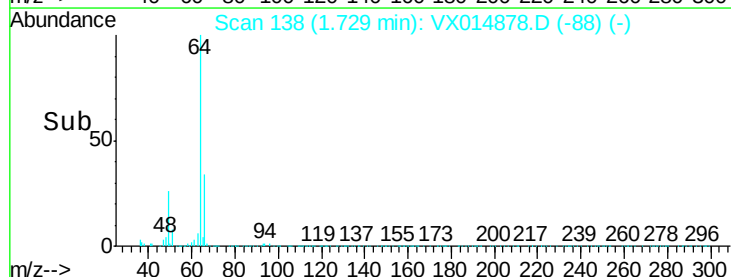
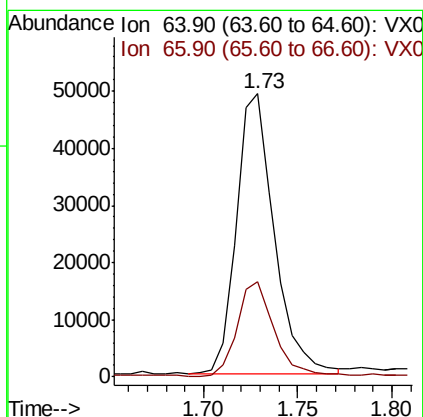
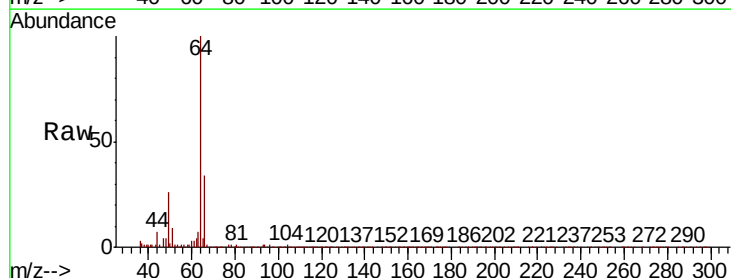
Acq: 10 Feb 2020 10:39

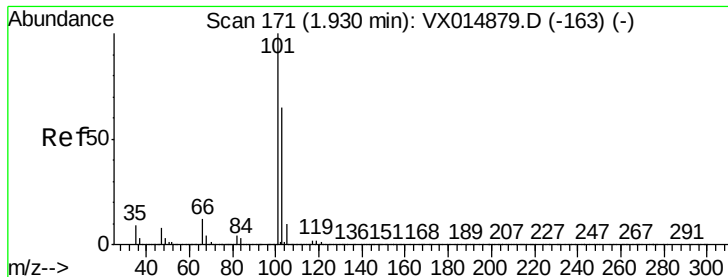
Tgt Ion: 64 Resp: 68134

Ion Ratio Lower Upper

64 100

66 33.7 26.2 39.4





#7

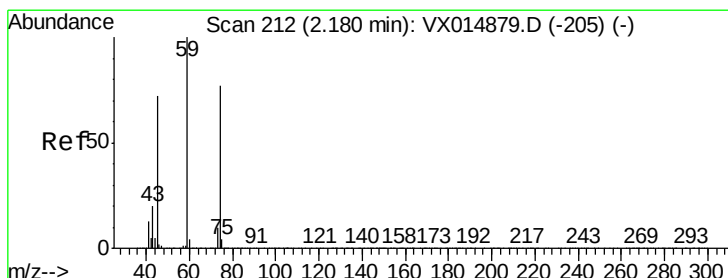
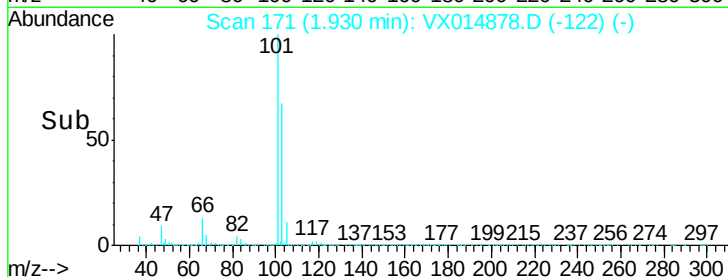
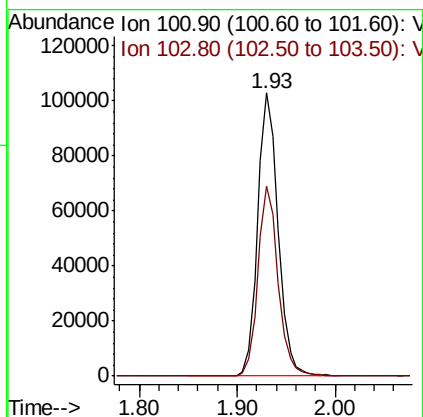
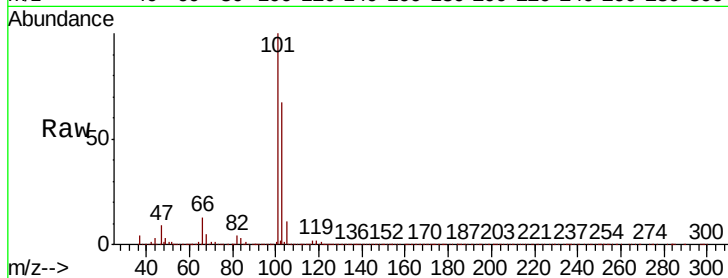
Trichlorofluoromethane
Concen: 20.457 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.4

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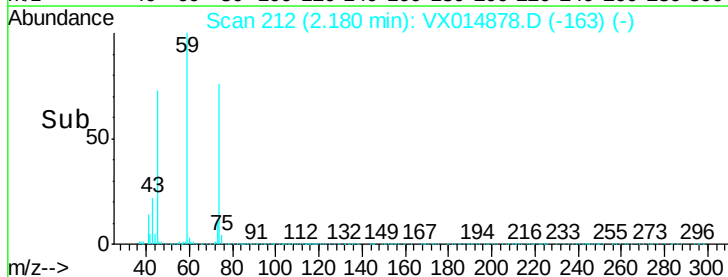
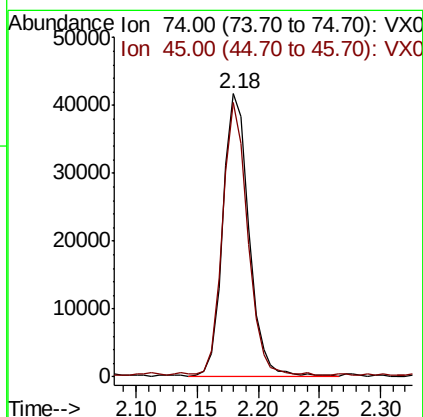
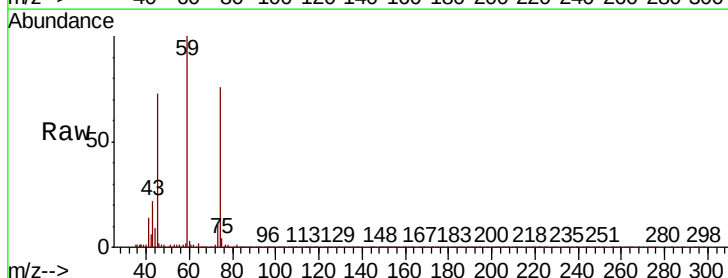
MMDadoda
2/11/2020 10:36:06 AM

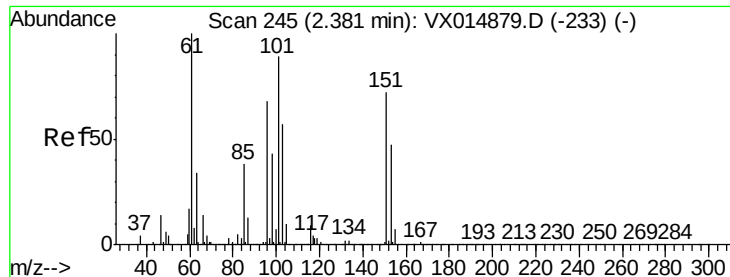


#8

Diethyl Ether
Concen: 20.036 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.479 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

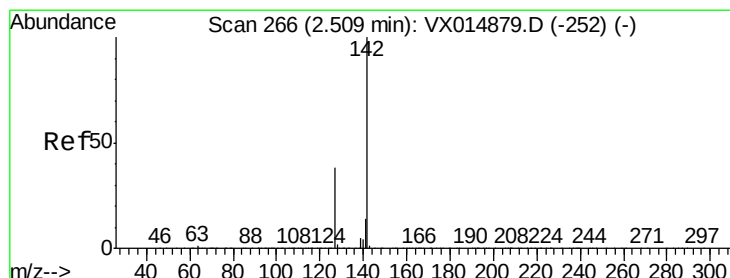
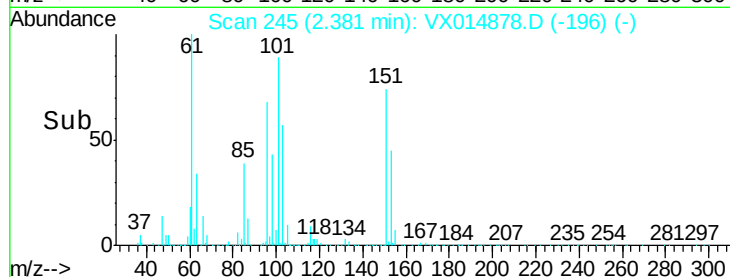
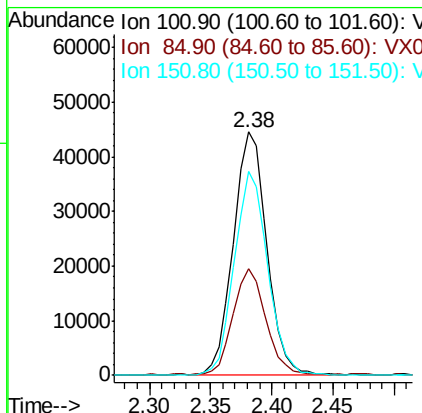
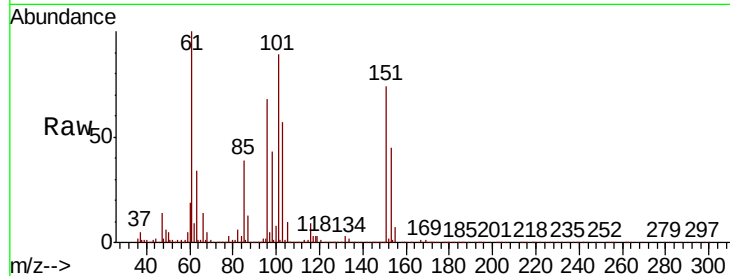
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	84032
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.1	51.1
151	84.1	67.3	100.9

Manual Integrations
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2/11/2020 10:36:06 AM



#10

Methyl Iodide

Concen: 20.387 ug/l

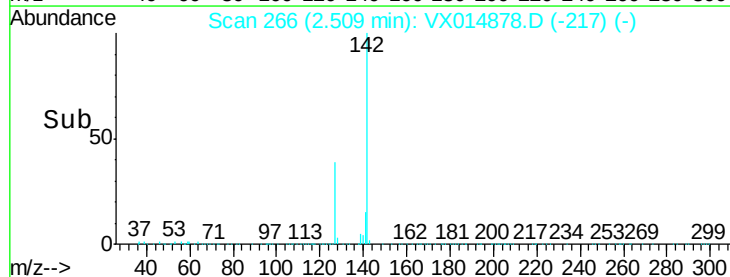
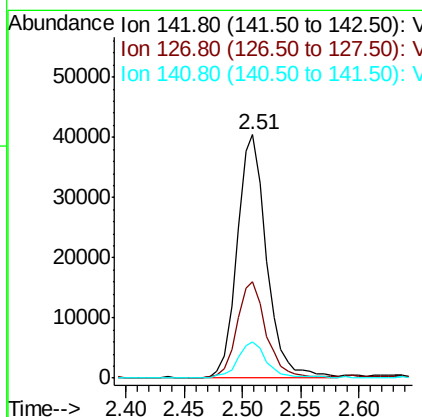
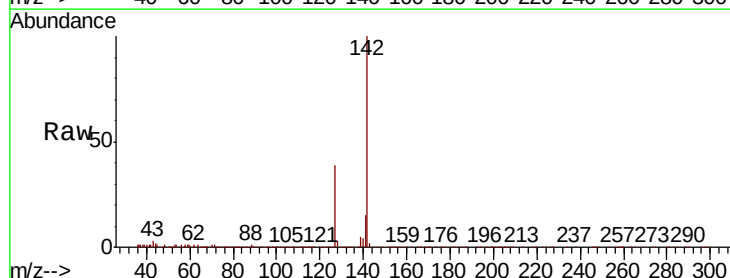
RT: 2.51 min Scan# 266

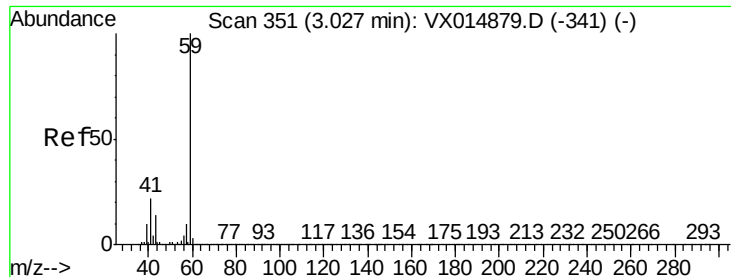
Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	142	Resp:	70714
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.1	46.7
141	15.4	11.3	16.9





#11

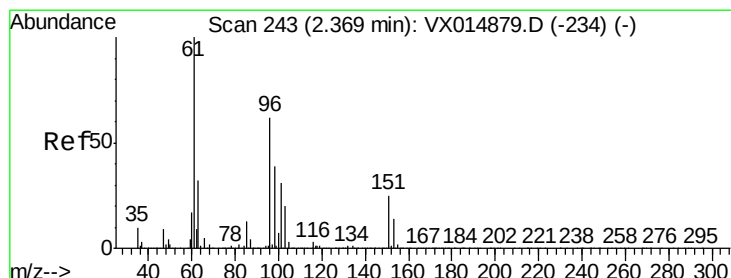
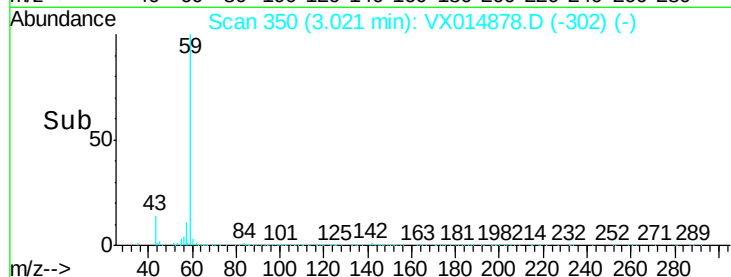
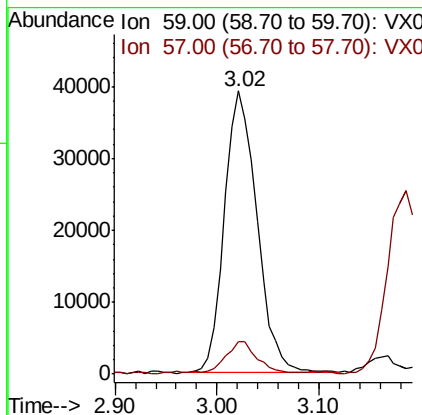
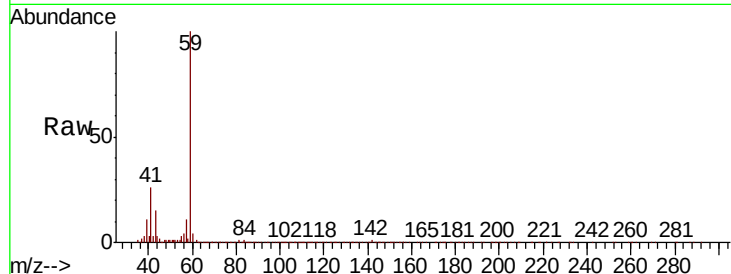
Tert butyl alcohol
Concen: 97.927 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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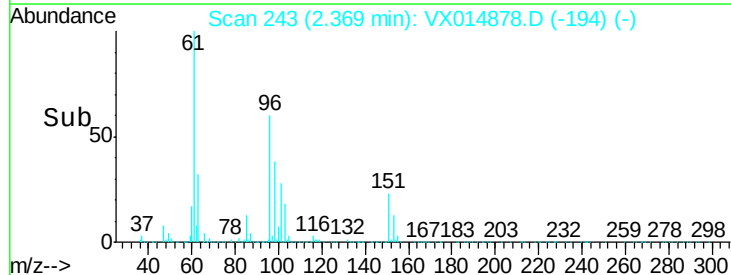
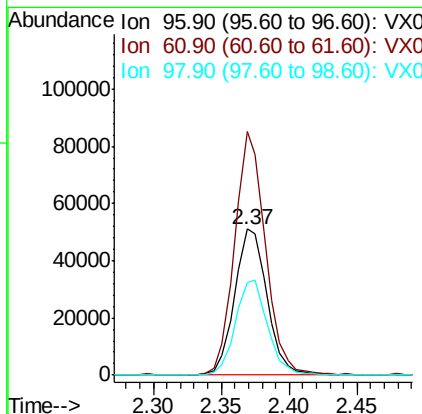
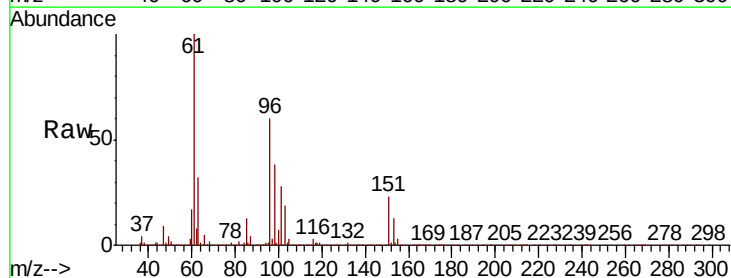
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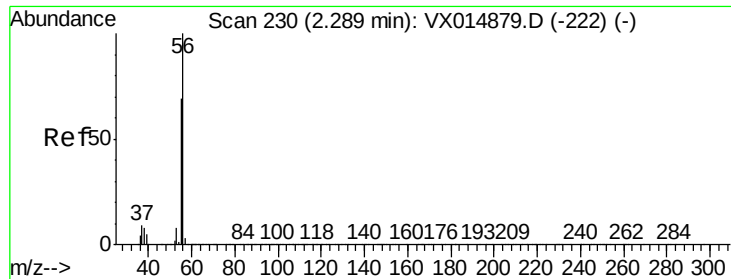


#12

1,1-Dichloroethene
Concen: 20.566 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	129.5	194.3
98	62.9	50.6	76.0





#13

Acrolein

Concen: 95.733 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 65529

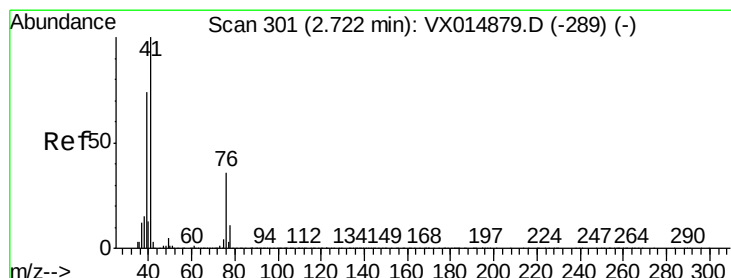
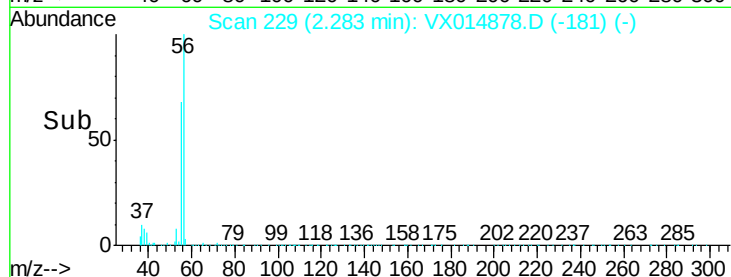
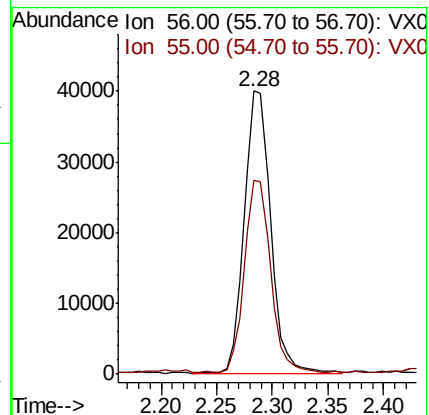
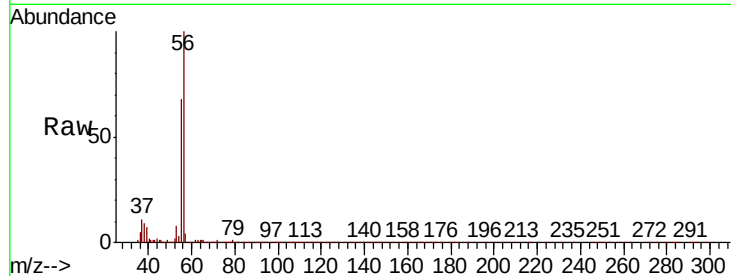
Ion Ratio Lower Upper

56 100

55 68.0 55.0 82.4

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#14

Allyl chloride

Concen: 19.202 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

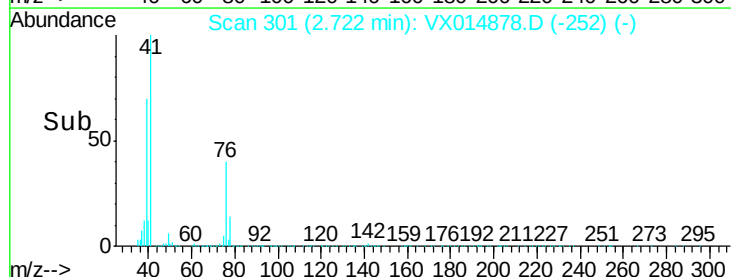
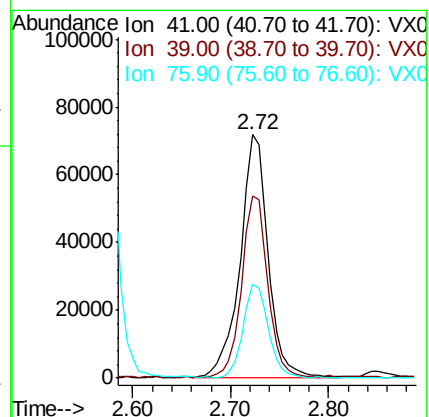
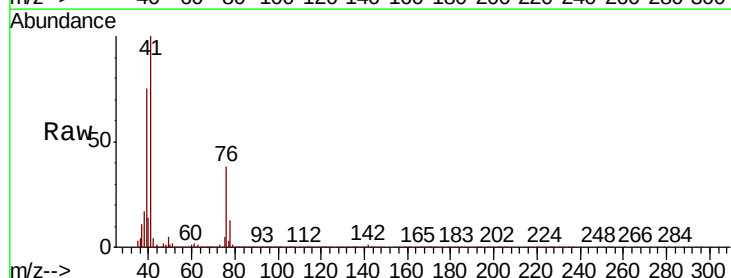
Tgt Ion: 41 Resp: 141437

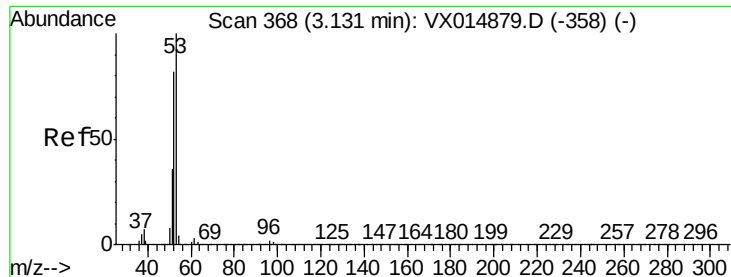
Ion Ratio Lower Upper

41 100

39 70.0 55.2 82.8

76 35.0 26.8 40.2





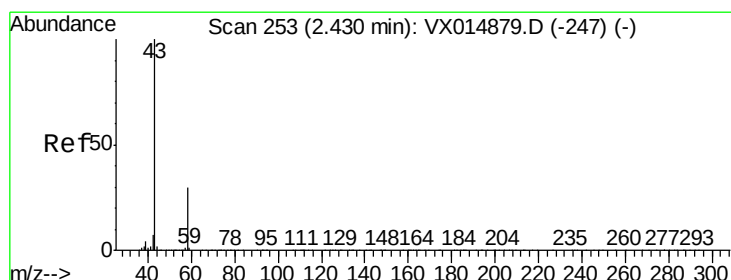
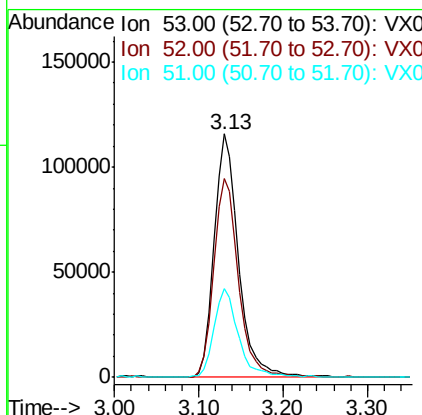
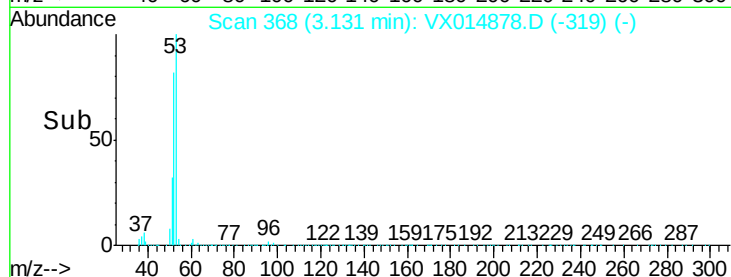
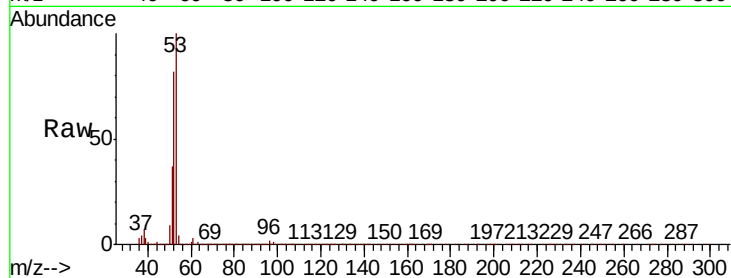
#15
Acrylonitrile
Concen: 101.805 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	53	Resp:	230715
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.8	98.6
51	36.6	29.1	43.7

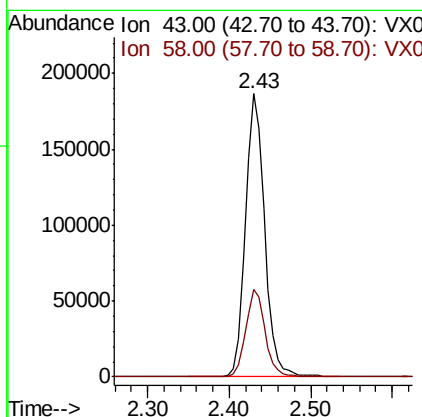
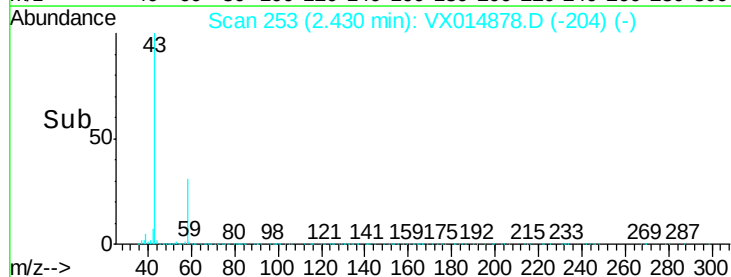
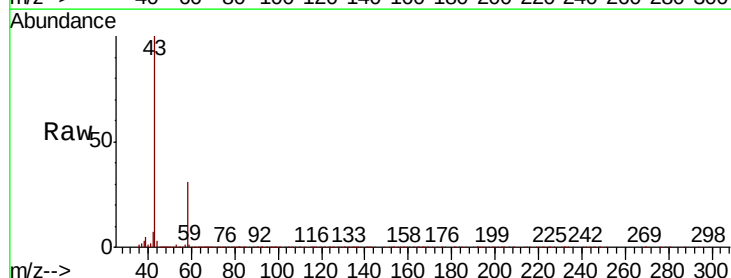
Manual Integrations
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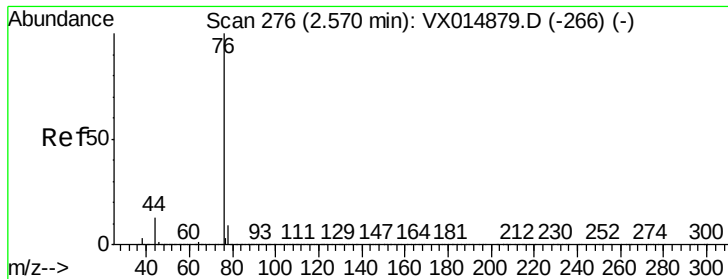
MMDadoda
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#16
Acetone
Concen: 95.514 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion:	43	Resp:	305756
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.1	36.1





#17

Carbon Disulfide

Concen: 20.295 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 231580

Ion Ratio Lower Upper

76 100

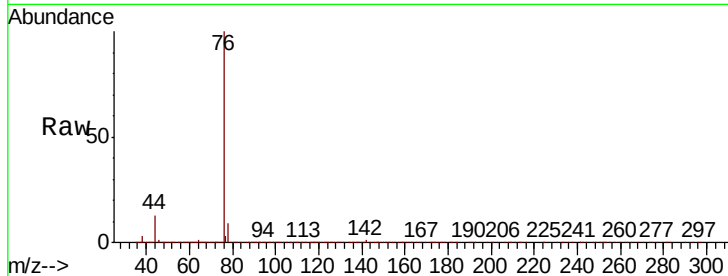
78 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

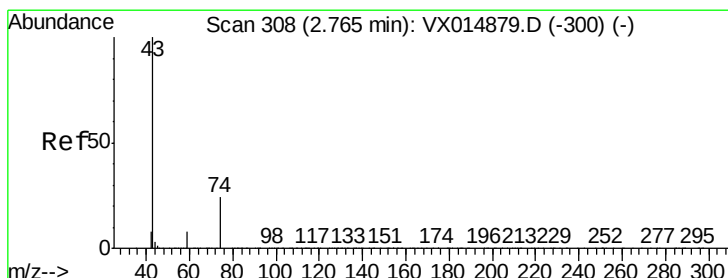
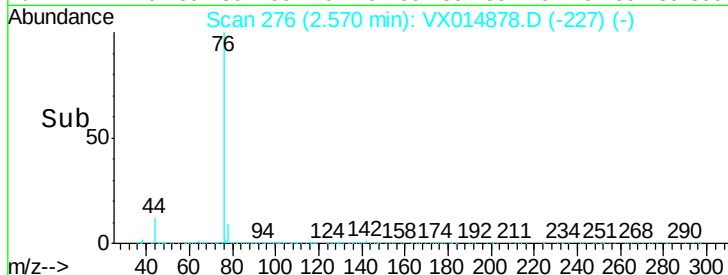
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.172 ug/l

RT: 2.77 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014878.D

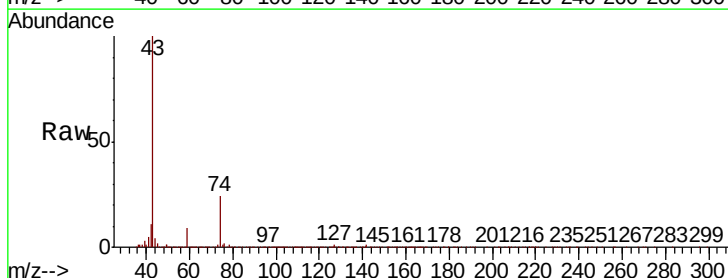
Acq: 10 Feb 2020 10:39

Tgt Ion: 43 Resp: 102021

Ion Ratio Lower Upper

43 100

74 25.5 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

60000

50000

40000

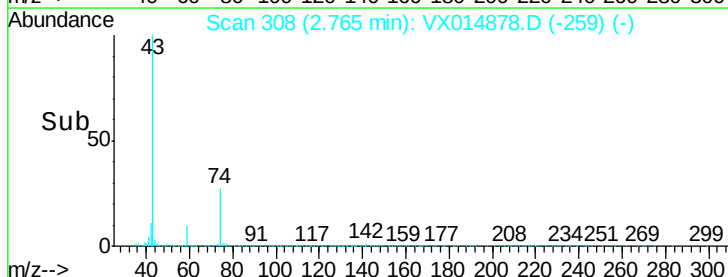
30000

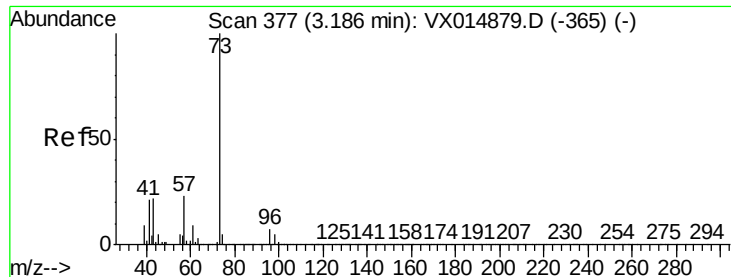
20000

10000

0

Time-->





#19

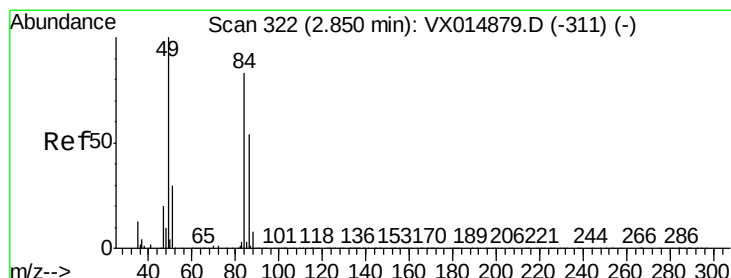
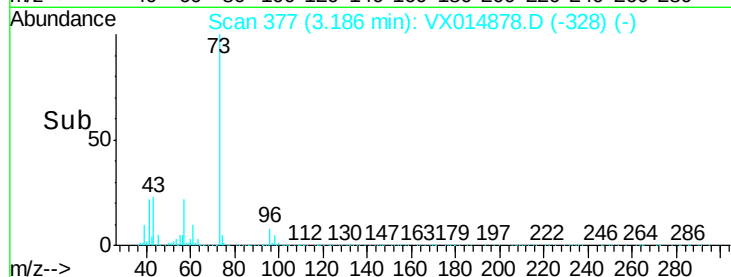
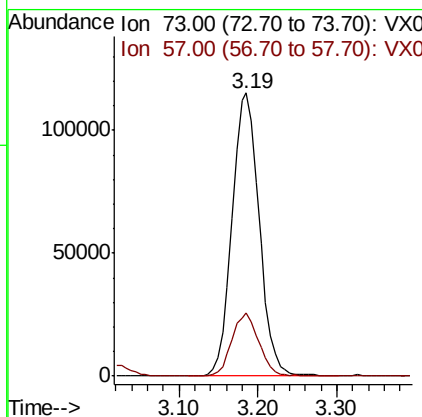
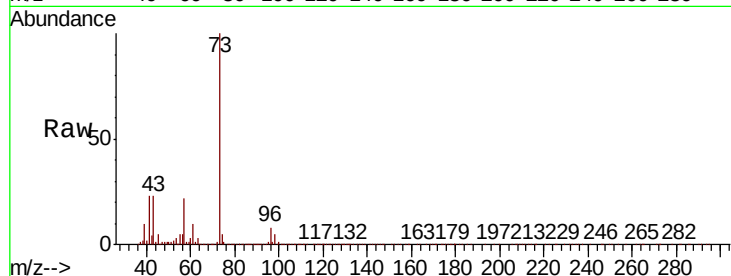
Methyl tert-butyl Ether
 Concen: 20.551 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.2	27.4

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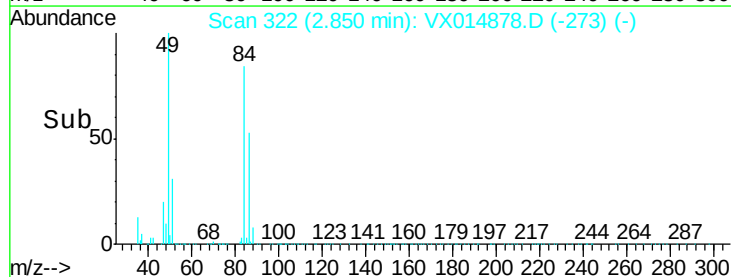
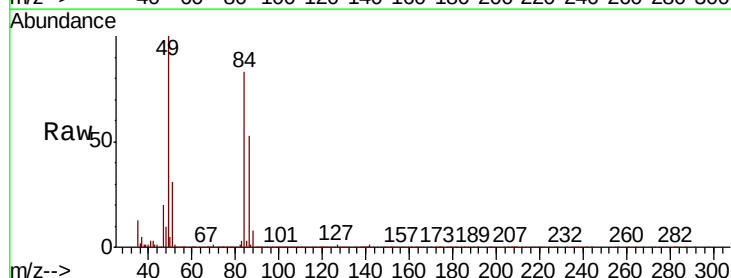
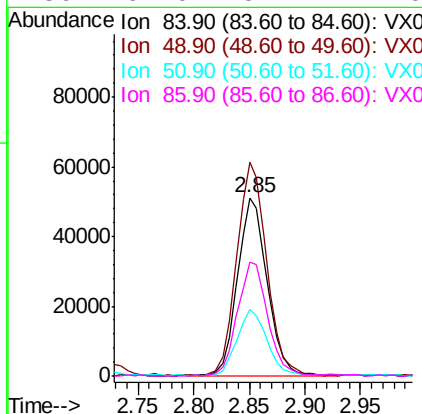
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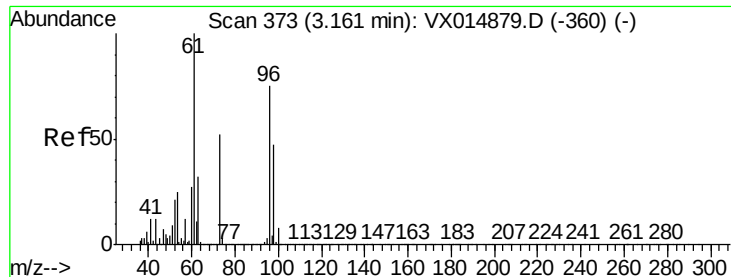


#20

Methylene Chloride
 Concen: 18.419 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	95.6	143.4
51	37.1	29.0	43.6
86	64.0	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 20.142 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

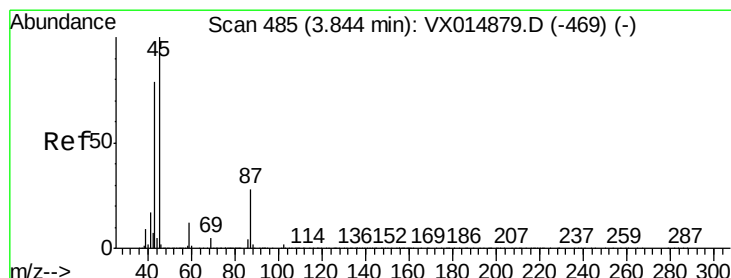
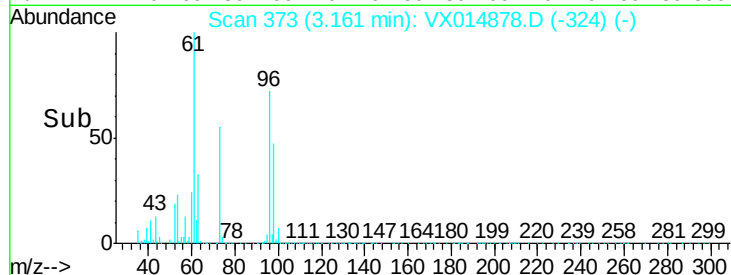
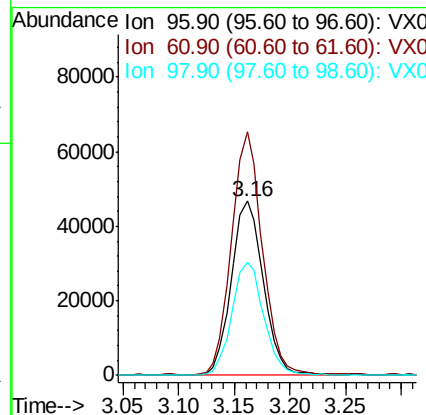
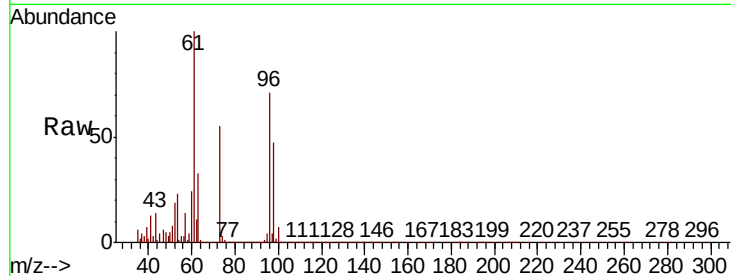
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	92491
Ion Ratio	Lower	Upper	
96	100		
61	139.8	106.9	160.3
98	65.1	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.668 ug/l

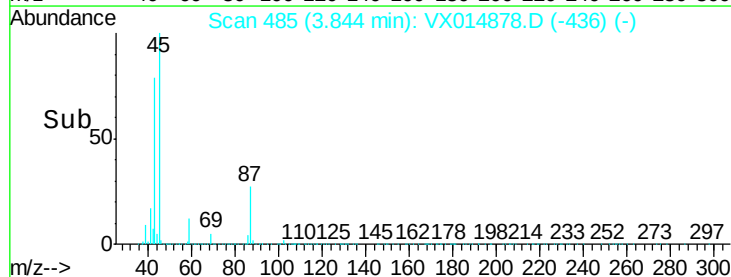
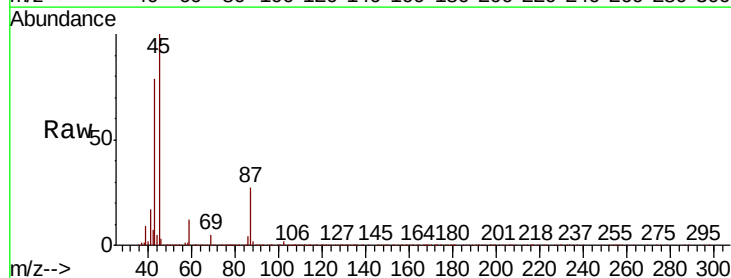
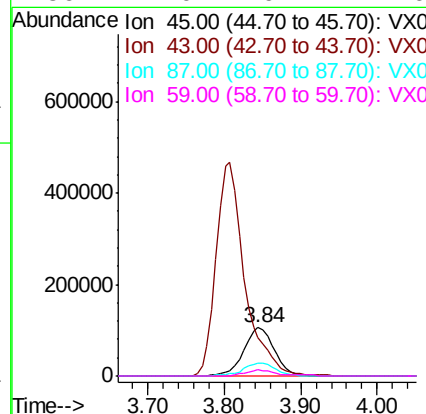
RT: 3.84 min Scan# 485

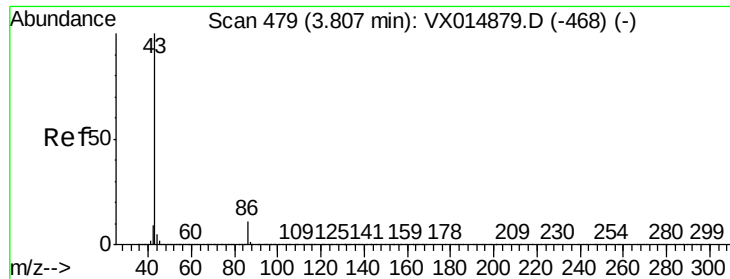
Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	45	Resp:	288682
Ion Ratio	Lower	Upper	
45	100		
43	78.3	63.5	95.3
87	27.4	22.2	33.4
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 104.685 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1210456

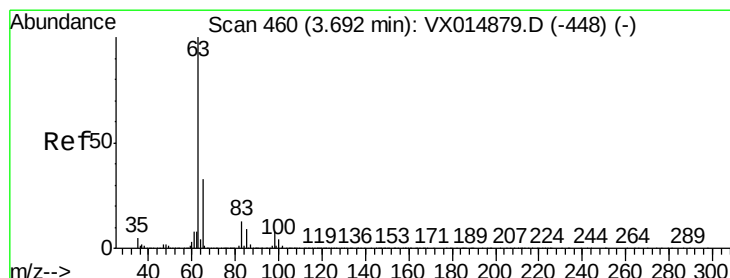
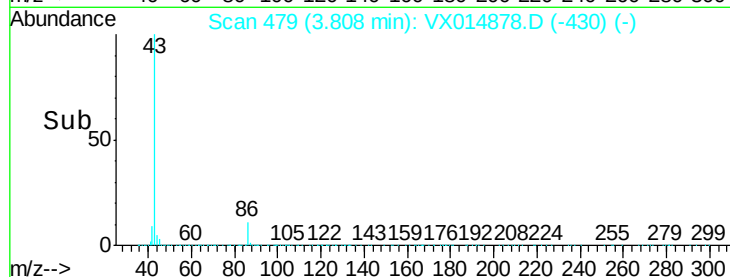
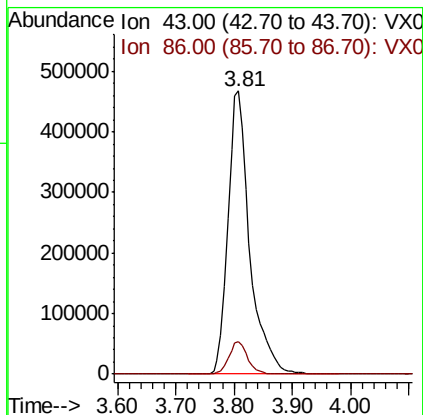
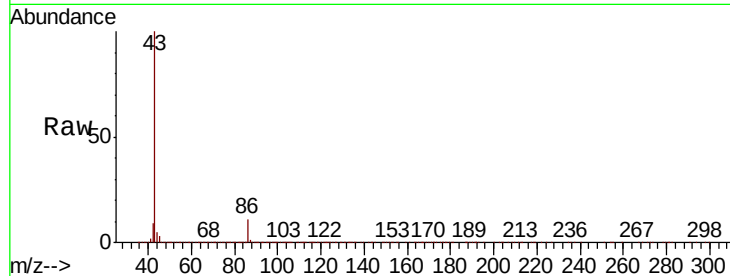
Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 20.168 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

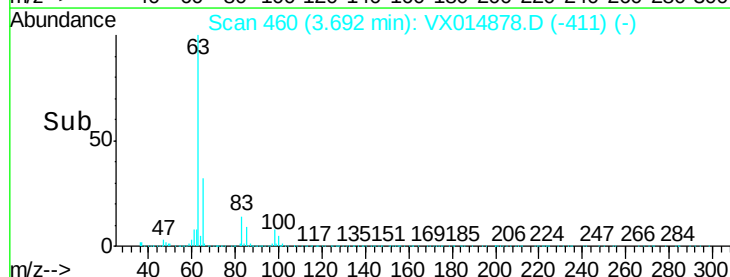
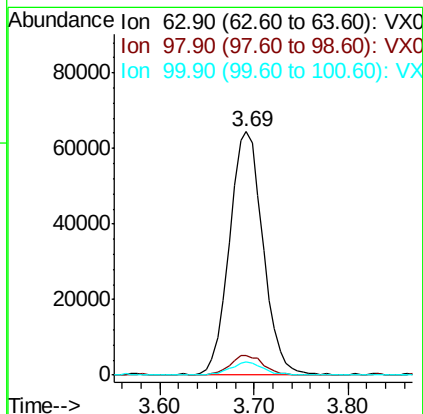
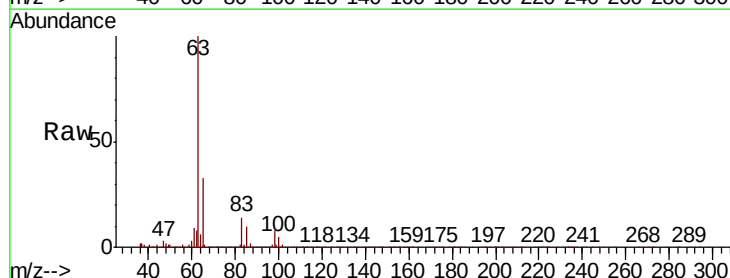
Tgt Ion: 63 Resp: 160015

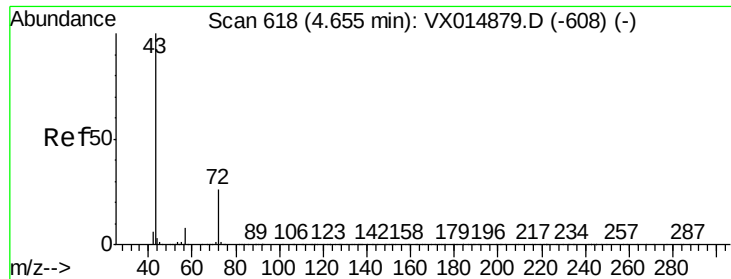
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 103.164 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 357545

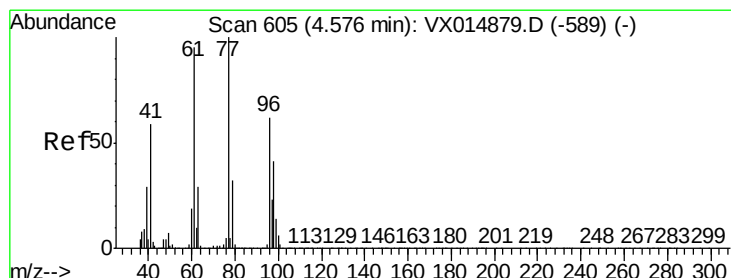
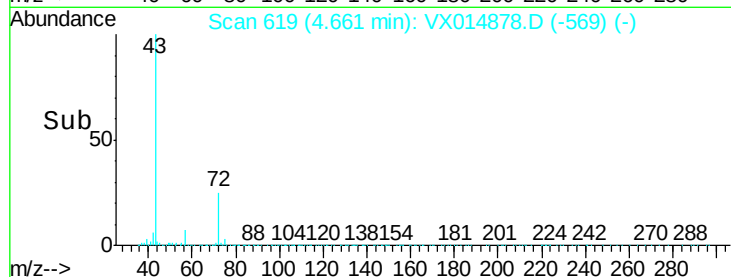
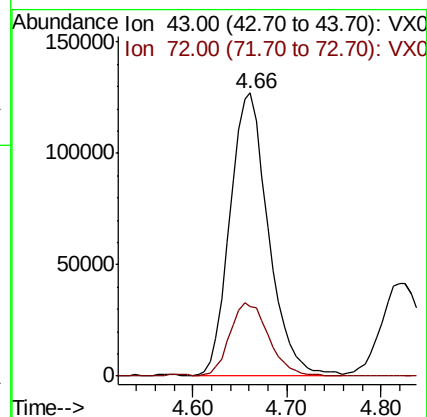
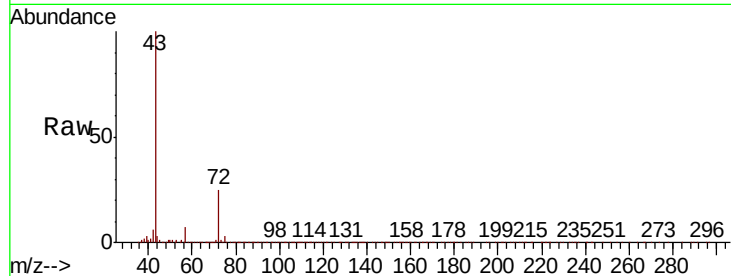
Ion Ratio Lower Upper

43 100

72 24.6 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 19.533 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014878.D

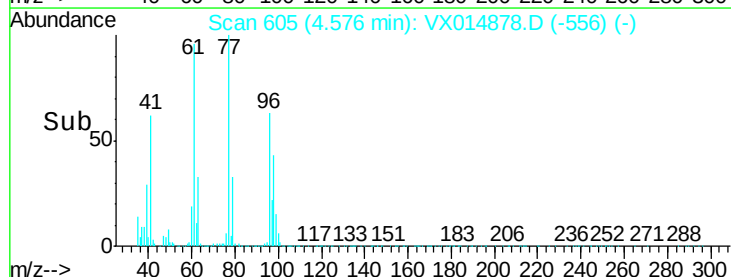
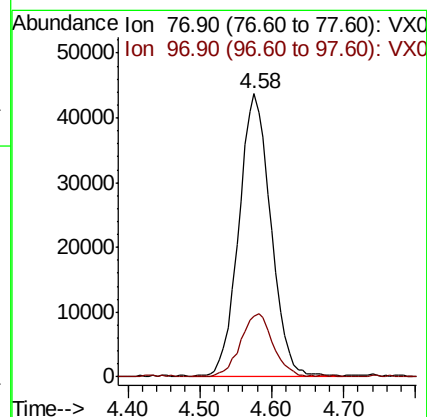
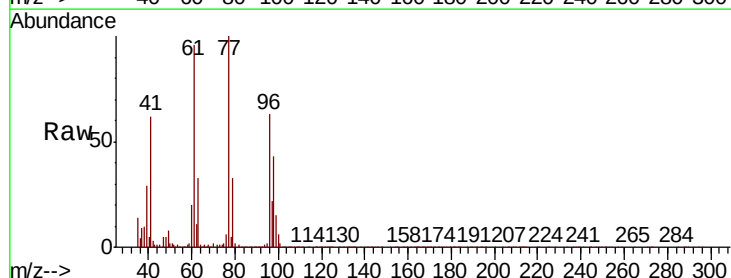
Acq: 10 Feb 2020 10:39

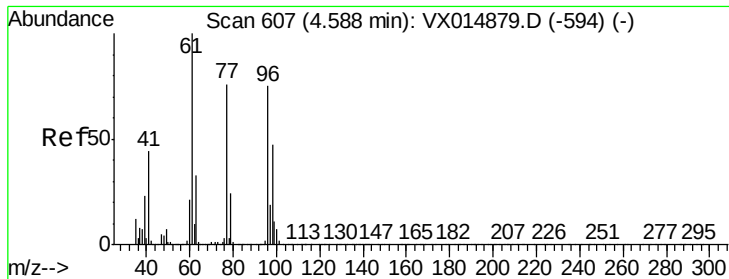
Tgt Ion: 77 Resp: 133534

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





#27

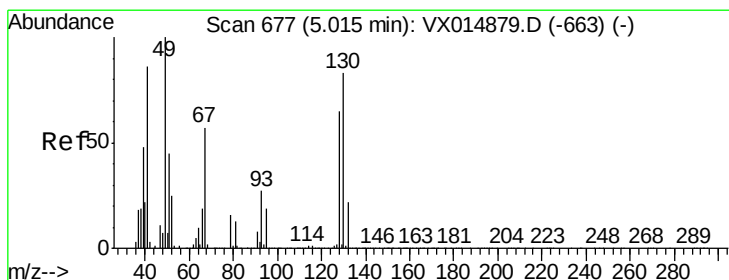
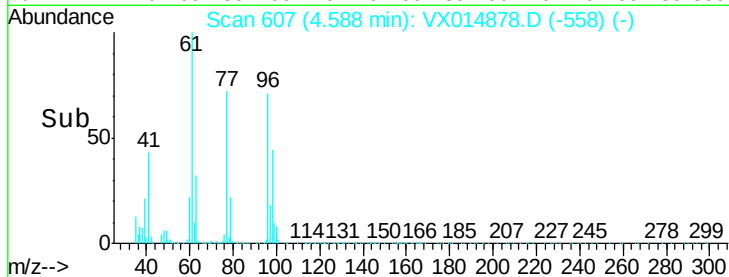
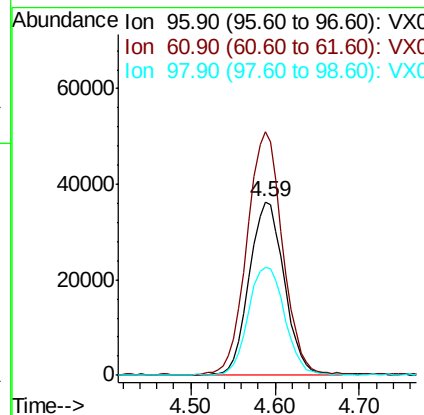
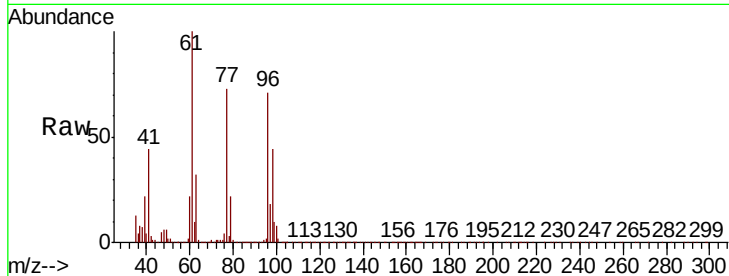
cis-1,2-Dichloroethene
Concen: 20.017 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.7	0.0	286.2	
98	65.8	0.0	131.0	

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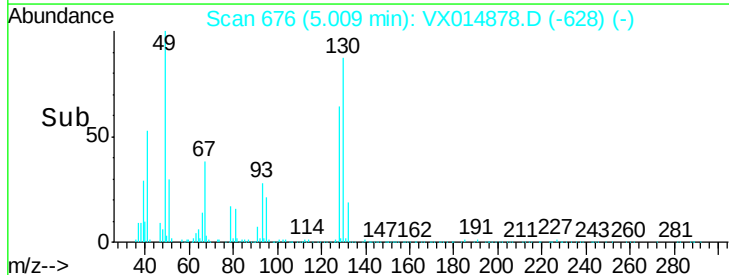
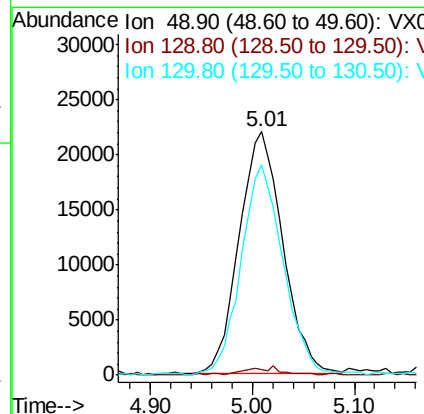
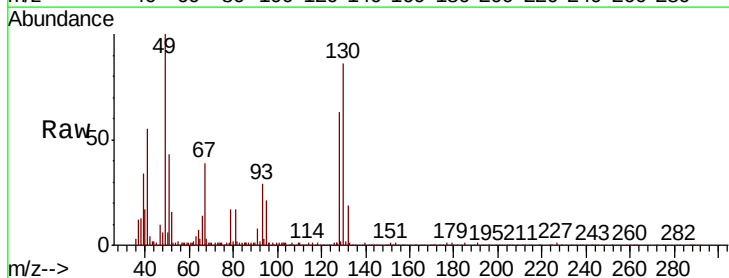
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2/11/2020 10:36:06 AM

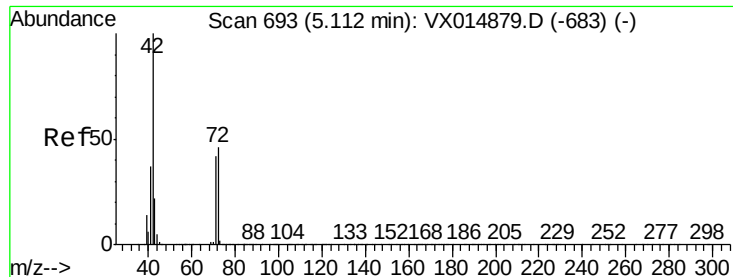


#28

Bromochloromethane
Concen: 24.533 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	5.2	
130	83.4	67.4	101.2	





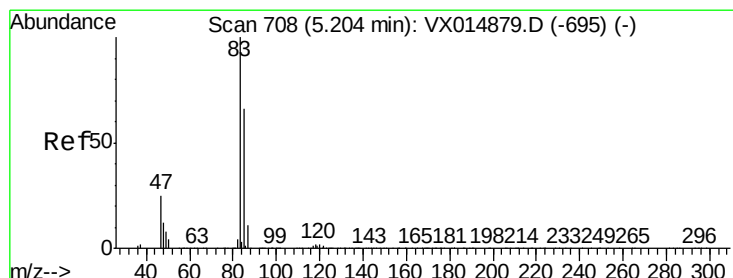
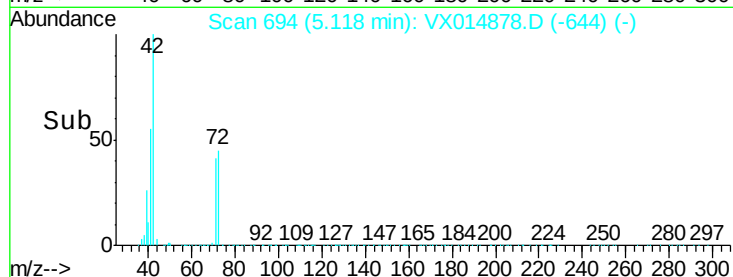
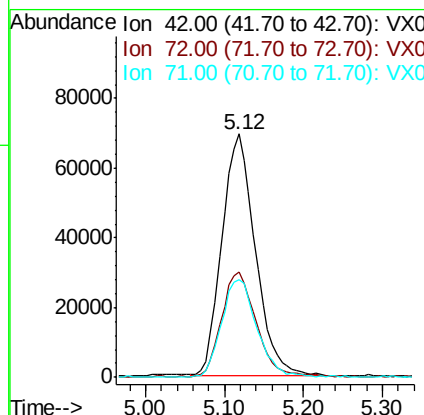
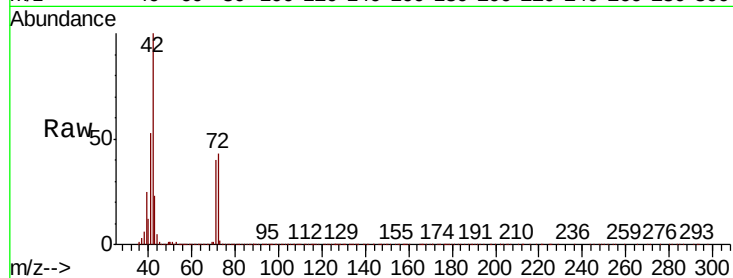
#29
Tetrahydrofuran
Concen: 105.916 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.9	55.3
71	42.0	34.1	51.1

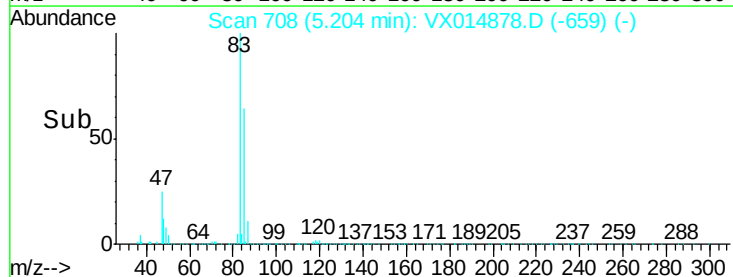
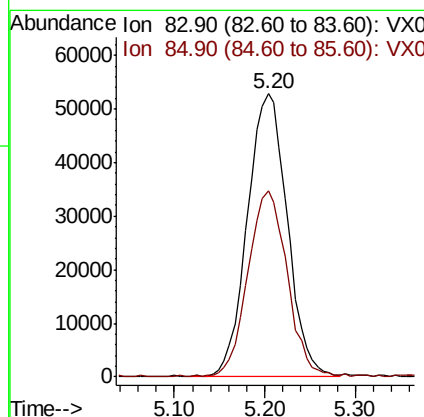
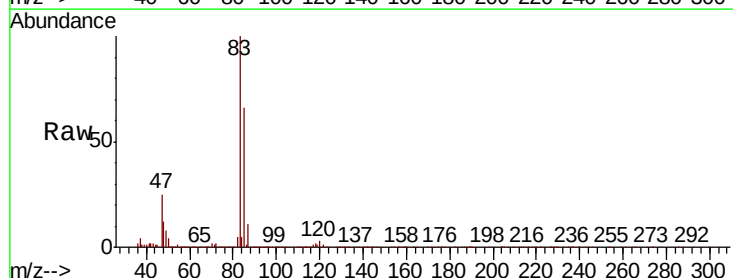
Manual Integrations
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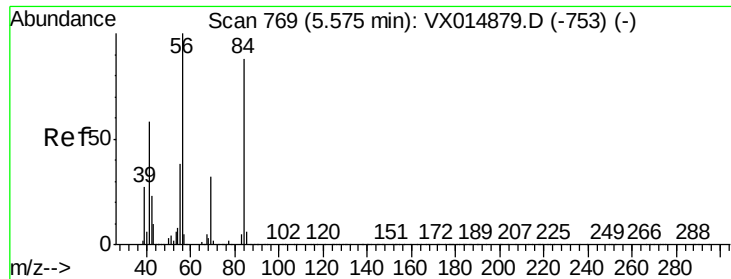
MMDadoda
2/11/2020 10:36:06 AM



#30
Chloroform
Concen: 20.309 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.9	79.3





#31

Cyclohexane

Concen: 20.658 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

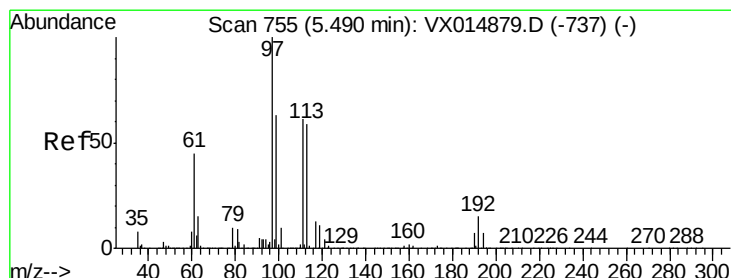
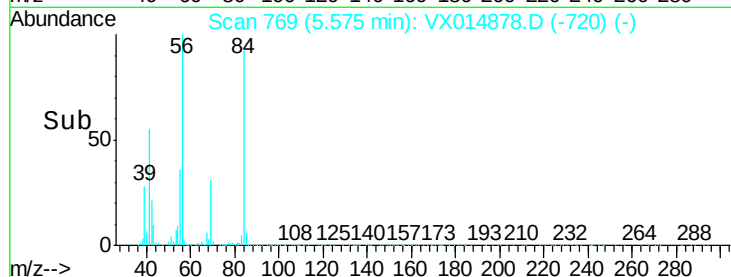
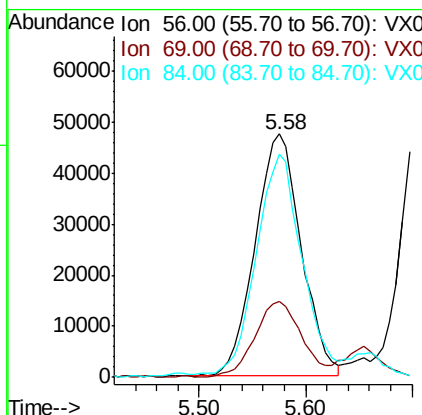
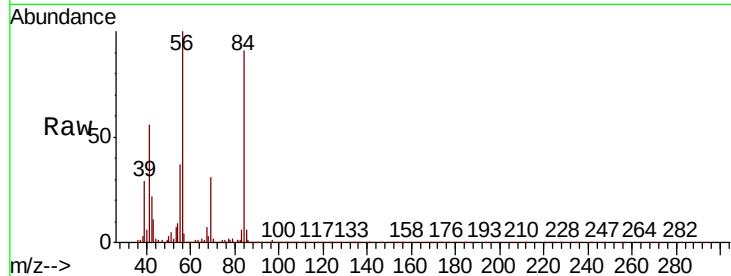
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	143560
Ion Ratio	Lower	Upper	
56	100		
69	30.6	25.9	38.9
84	90.5	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.401 ug/l

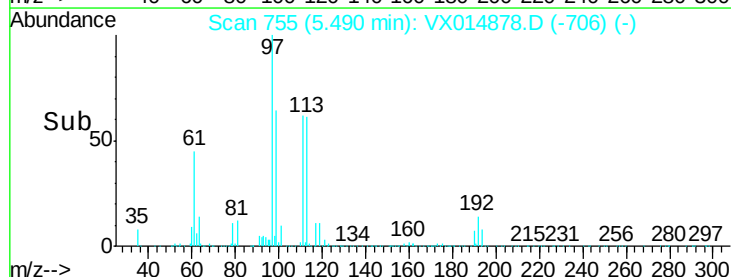
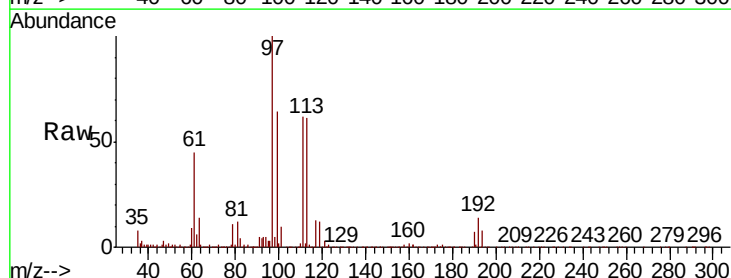
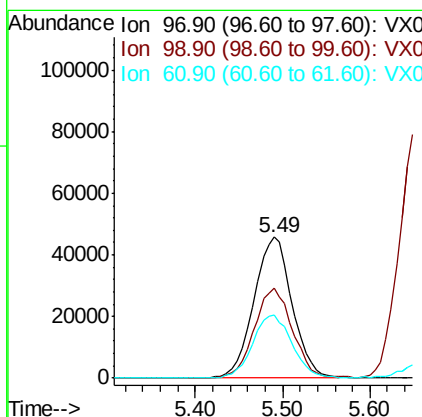
RT: 5.49 min Scan# 755

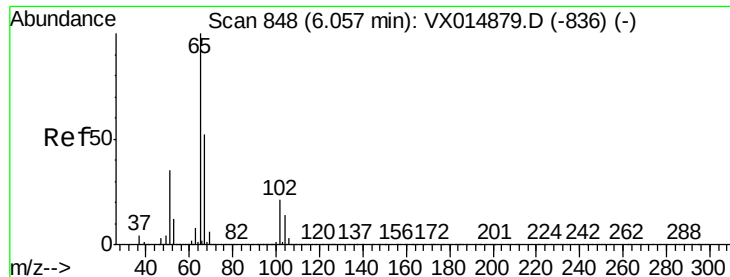
Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	97	Resp:	139036
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.6
61	45.6	36.3	54.5





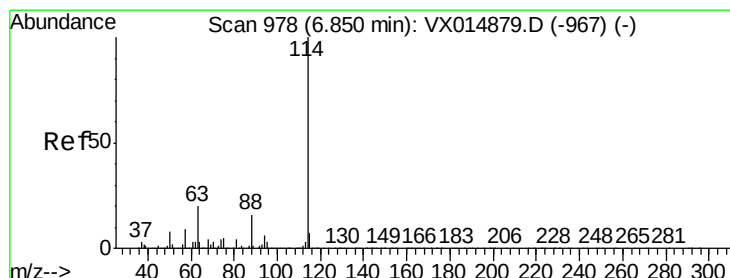
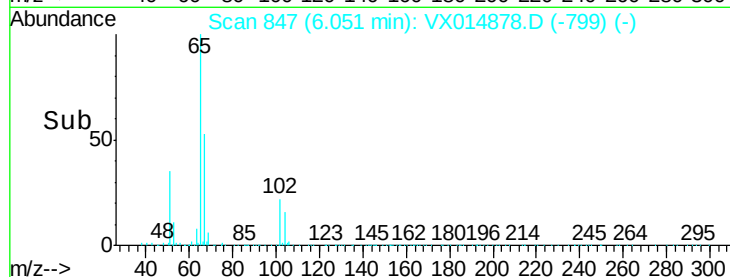
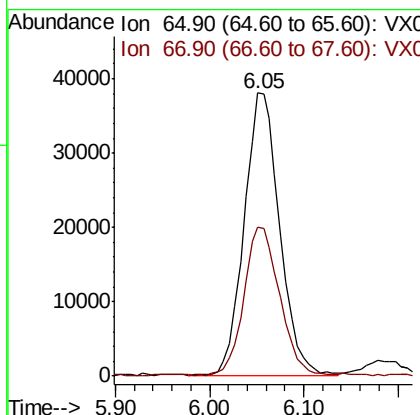
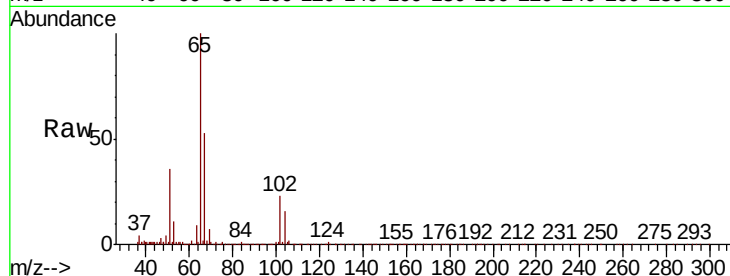
#33
 1,2-Dichloroethane-d4
 Concen: 17.196 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100022		
67	52.6	0.0	103.0	

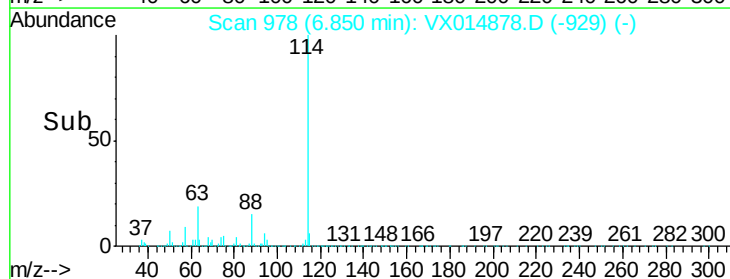
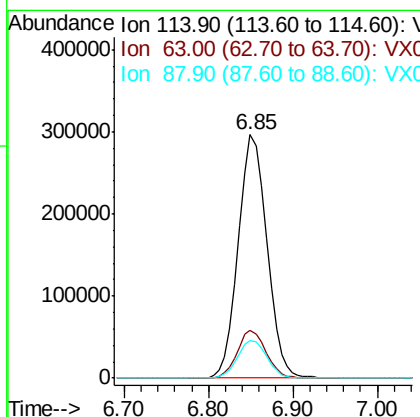
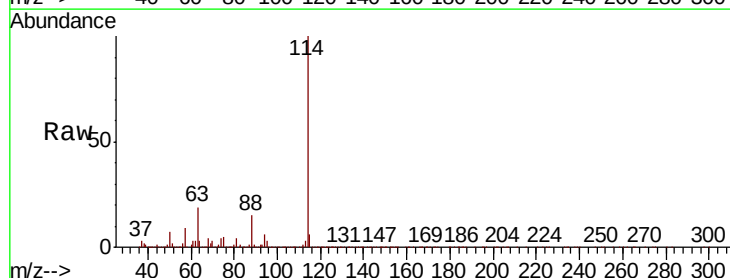
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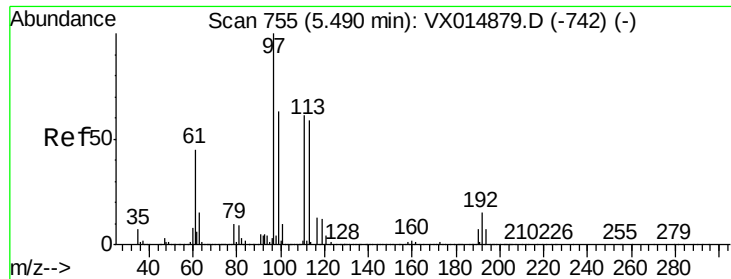
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	681723		
63	19.4	0.0	39.2	
88	15.2	0.0	32.0	





#35

Dibromofluoromethane

Concen: 16.735 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

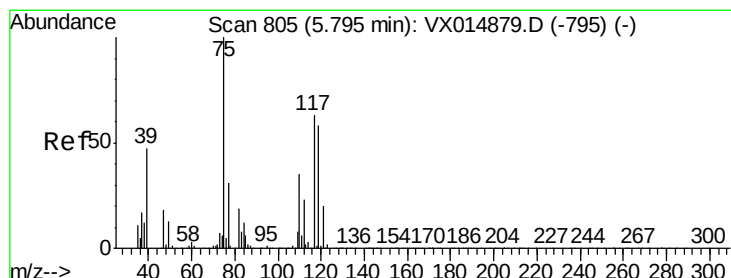
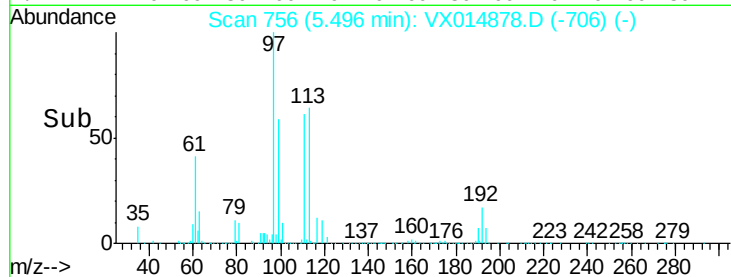
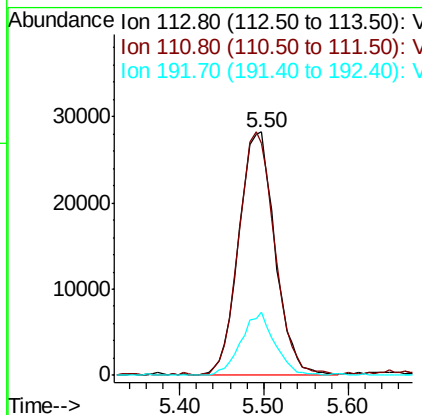
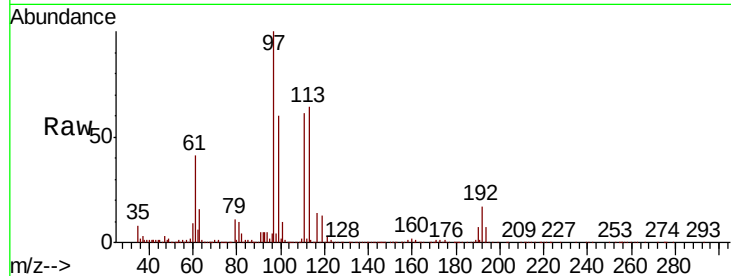
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	82249
Ion Ratio	Lower	Upper	
113	100		
111	98.5	82.4	123.6
192	24.2	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 20.098 ug/l

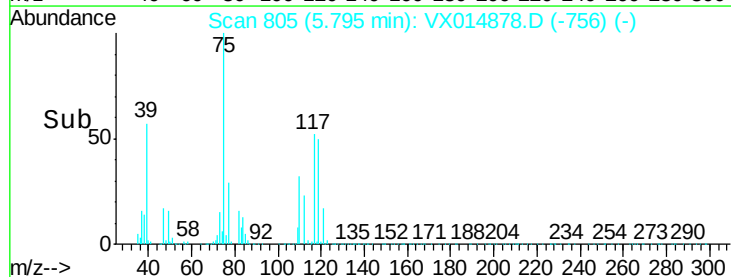
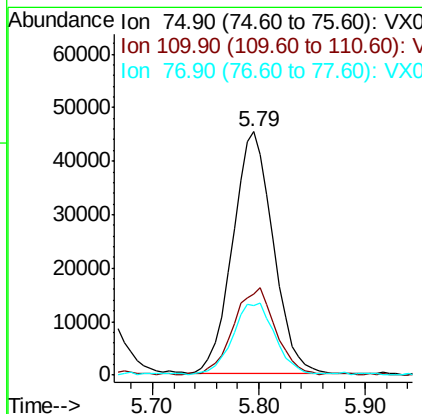
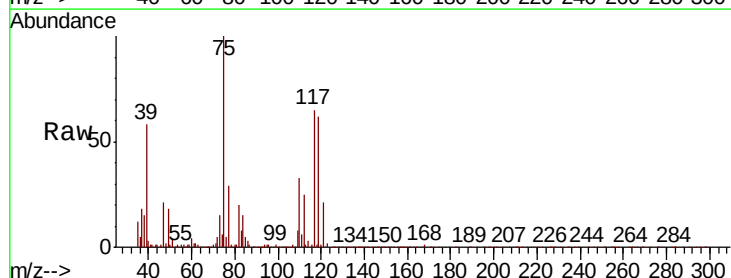
RT: 5.79 min Scan# 805

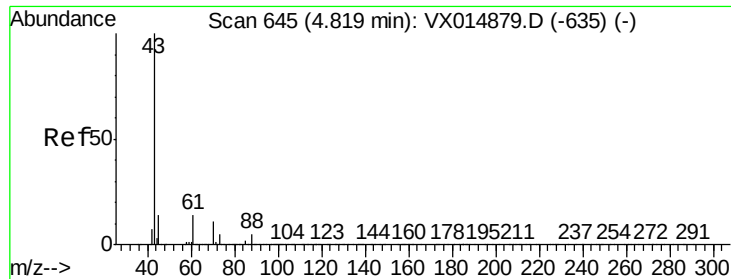
Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	75	Resp:	120426
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.3	54.8
77	30.5	24.6	36.8





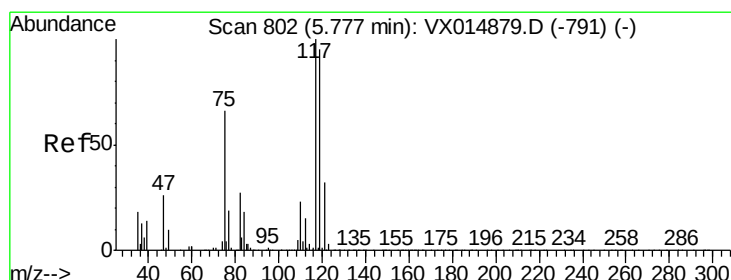
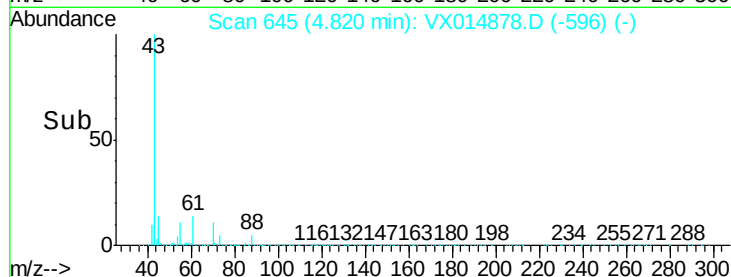
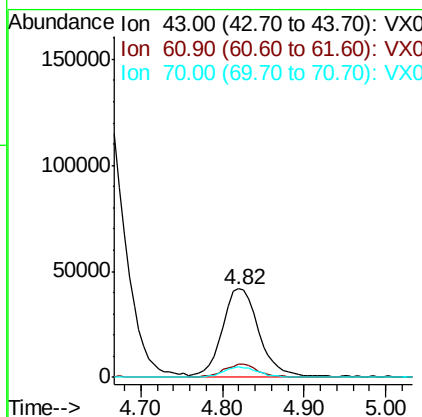
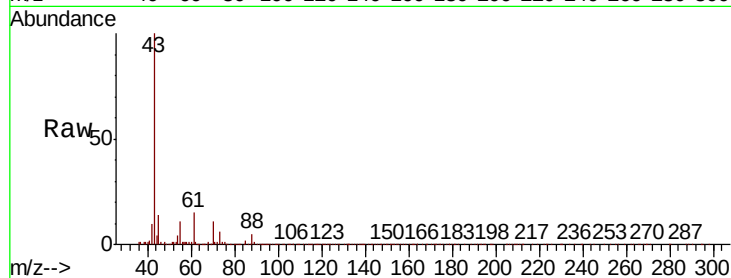
#37
Ethyl Acetate
Concen: 20.346 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	127346
Ion Ratio	Lower	Upper	
43	100		
61	13.1	10.9	16.3
70	10.7	8.7	13.1

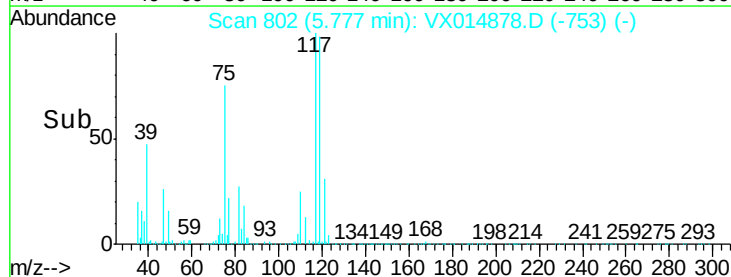
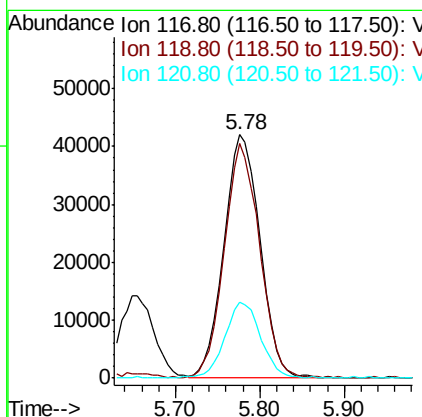
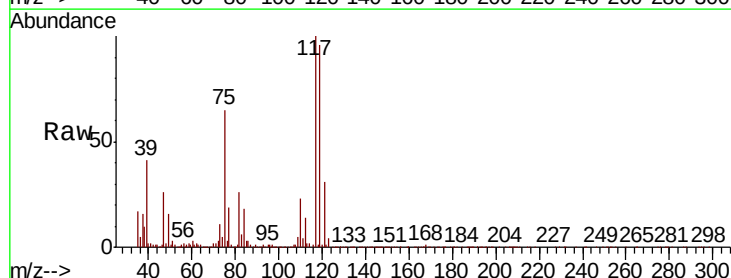
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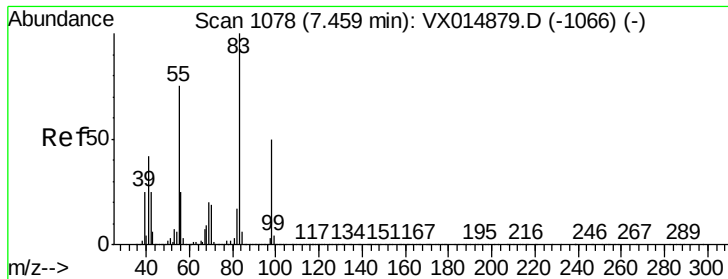
MMDadoda
2/11/2020 10:36:06 AM



#38
Carbon Tetrachloride
Concen: 21.019 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	117	Resp	121814
Ion Ratio	Lower	Upper	
117	100		
119	96.0	76.0	114.0
121	30.9	25.4	38.2





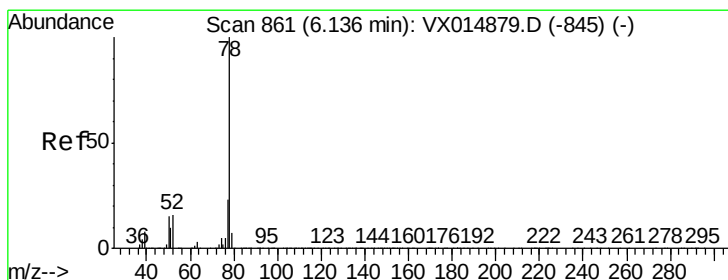
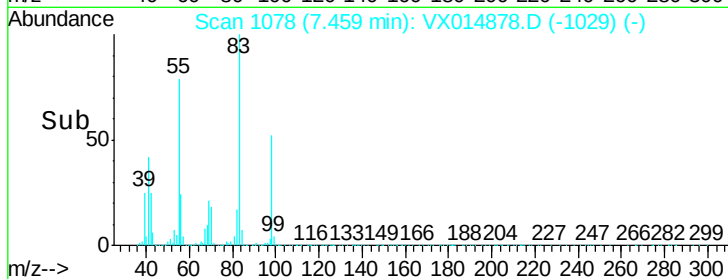
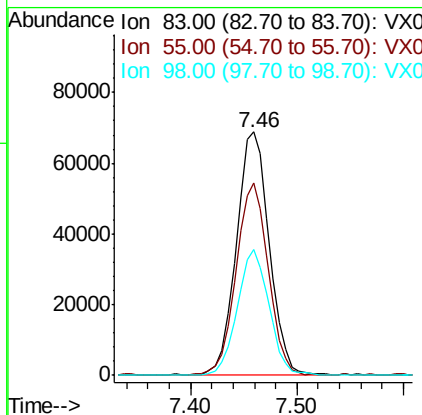
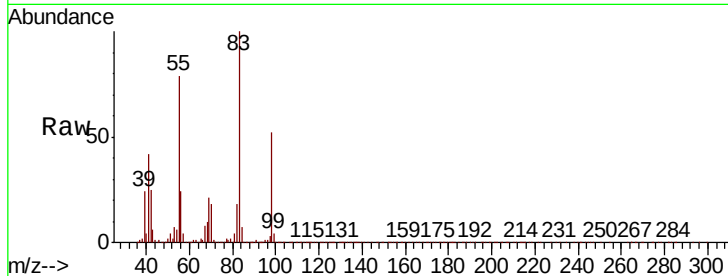
#39
Methylvlcyclohexane
Concen: 19.673 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	60.0	90.0
98	51.7	39.6	59.4

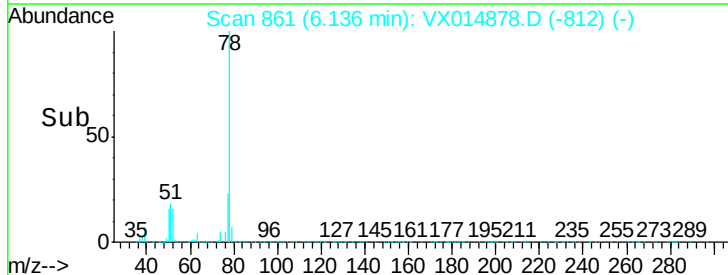
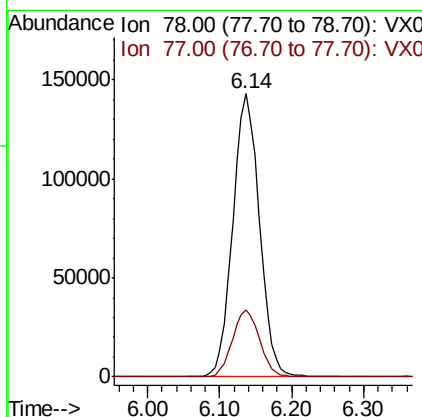
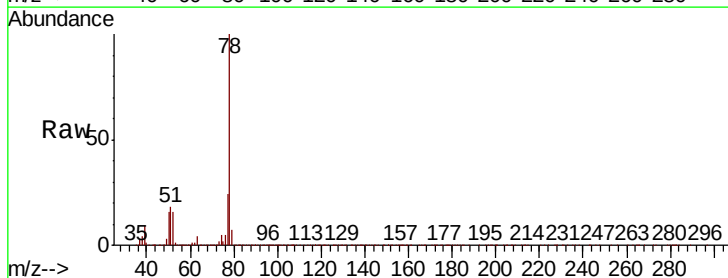
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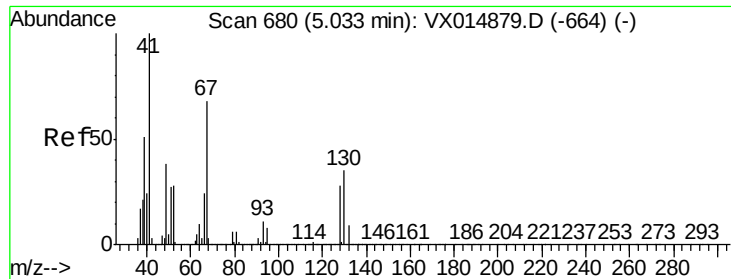
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#40
Benzene
Concen: 20.328 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





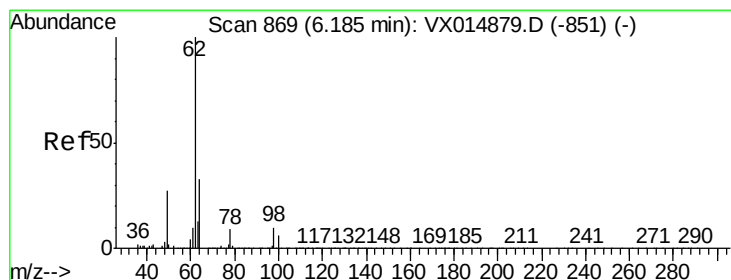
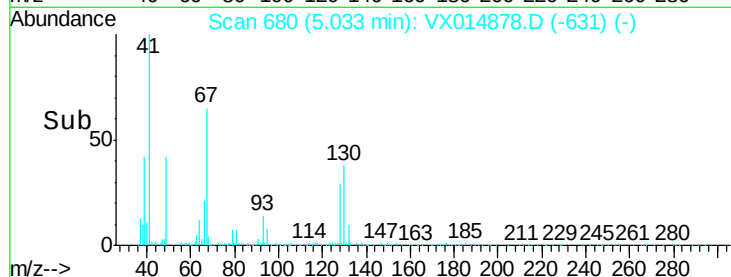
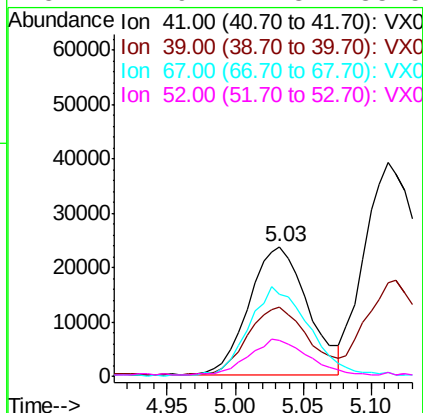
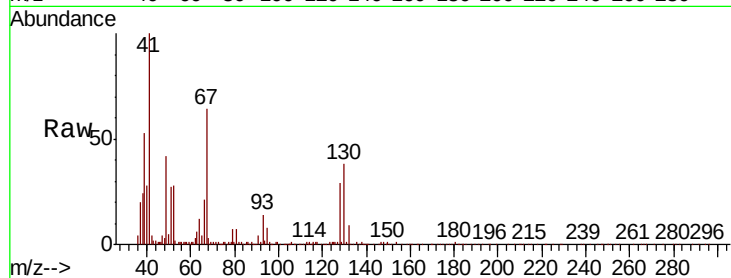
#41
Methacrylonitrile
Concen: 21.424 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	44.7	67.1	
67	70.4	56.6	84.8	
52	27.9	22.3	33.5	

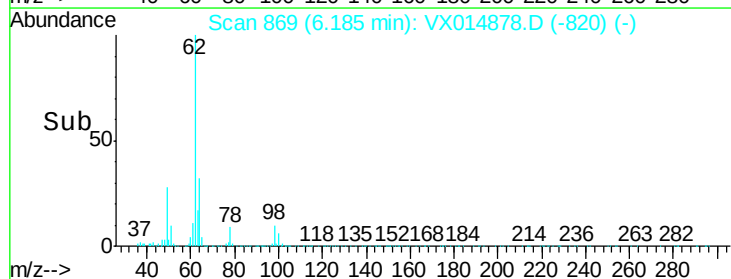
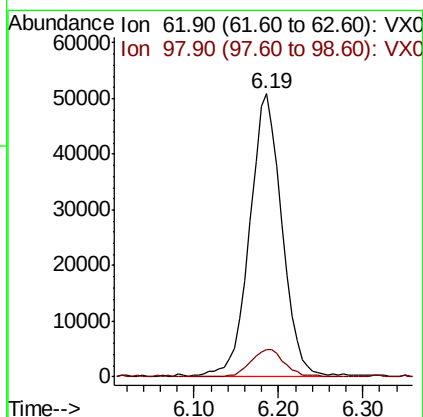
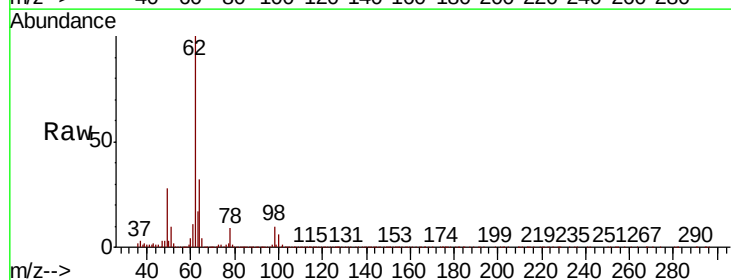
Manual Integrations
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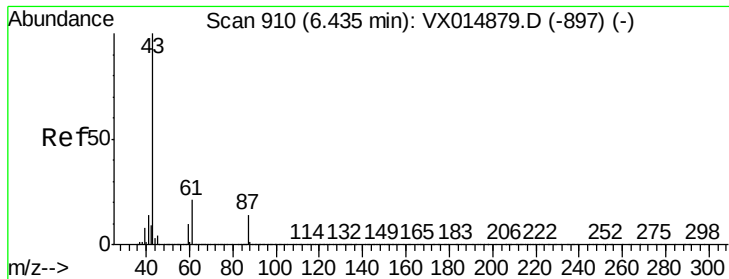
MMDadoda
2/11/2020 10:36:06 AM



#42
1,2-Dichloroethane
Concen: 19.805 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

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





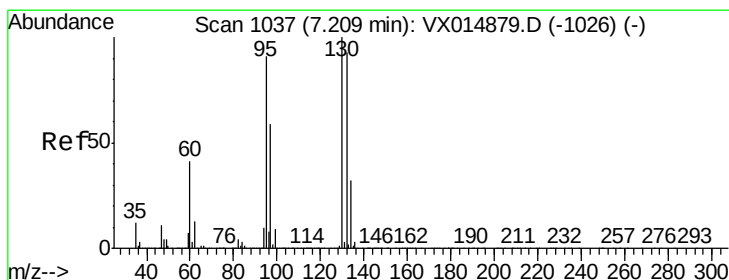
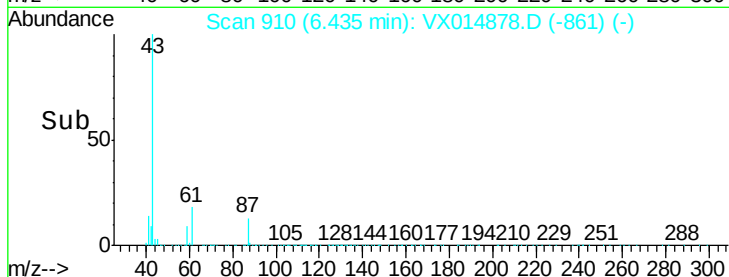
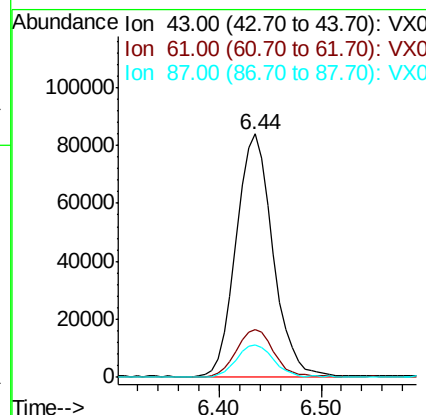
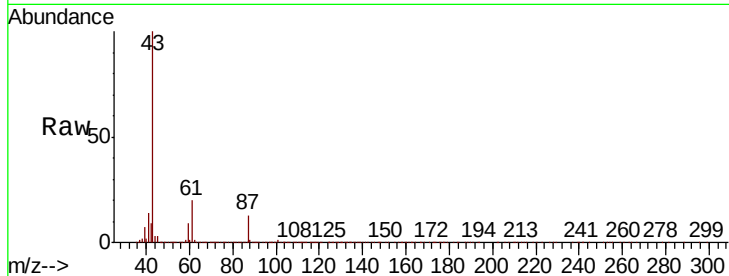
#43
Isopropyl Acetate
Concen: 20.445 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	208352
Ion Ratio	Lower	Upper	
43	100		
61	20.7	16.2	24.4
87	13.7	11.0	16.6

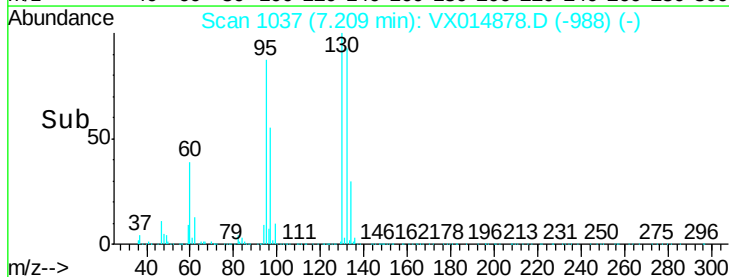
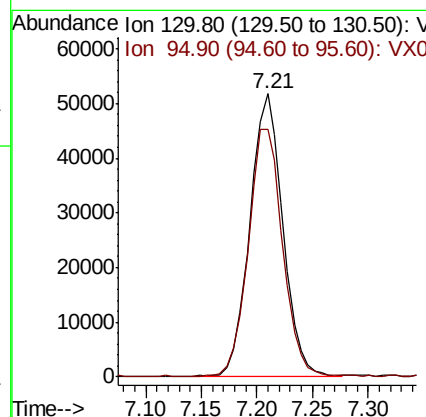
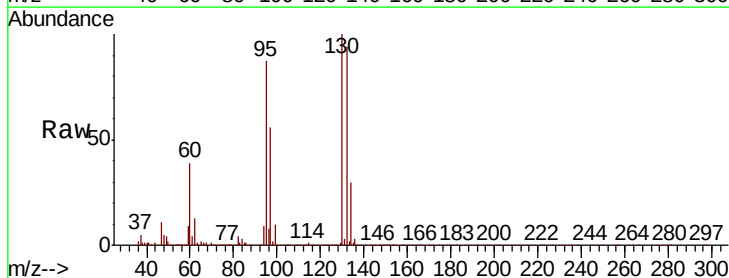
Manual Integrations
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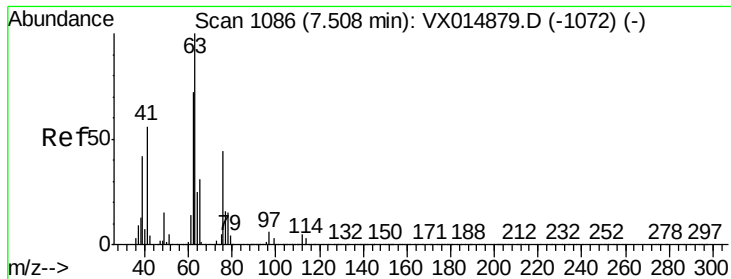
MMDadoda
2/11/2020 10:36:06 AM



#44
Trichloroethene
Concen: 20.280 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	130	Resp	106584
Ion Ratio	Lower	Upper	
130	100		
95	87.2	0.0	182.6





#45

1,2-Dichloropropane

Concen: 20.163 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 92922

Ion Ratio Lower Upper

63 100

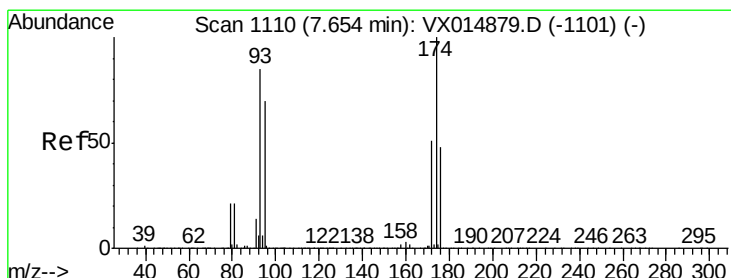
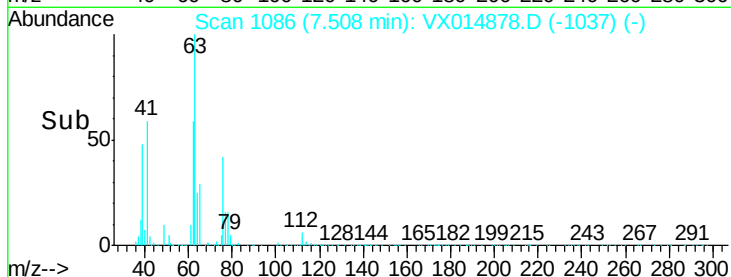
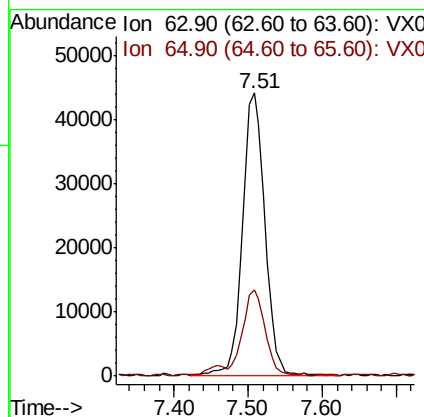
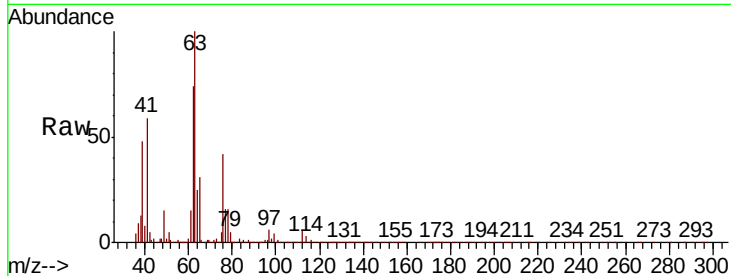
65 30.3 24.9 37.3

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 19.961 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

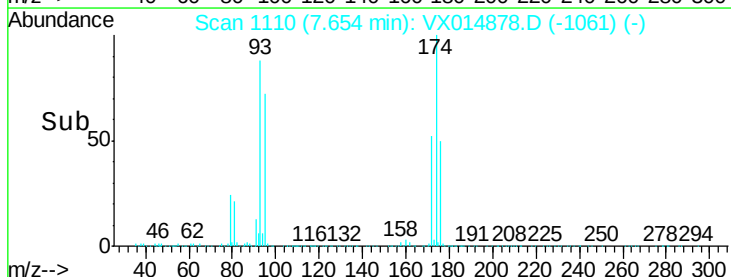
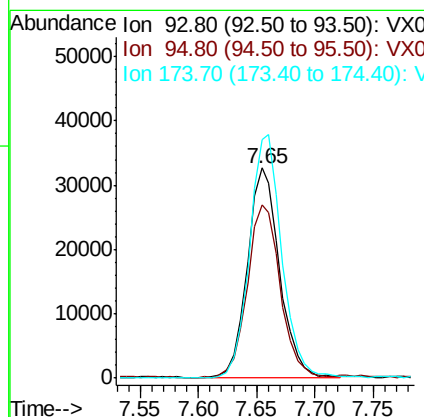
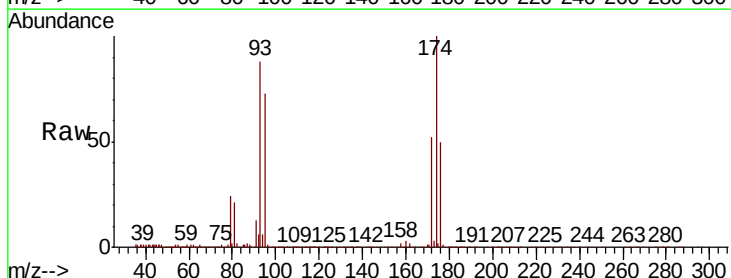
Tgt Ion: 93 Resp: 63108

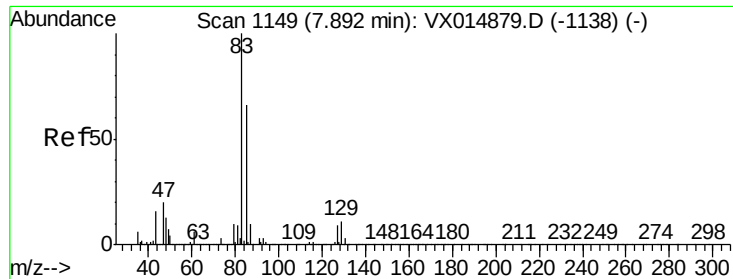
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

174 116.1 95.4 143.2





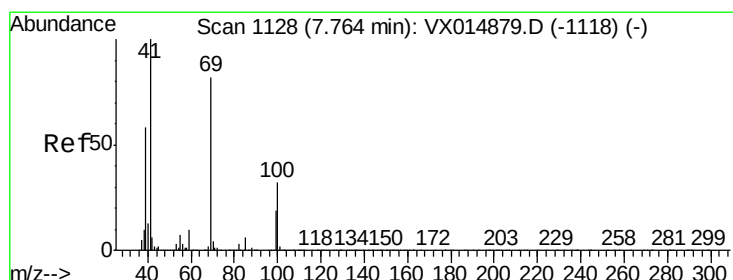
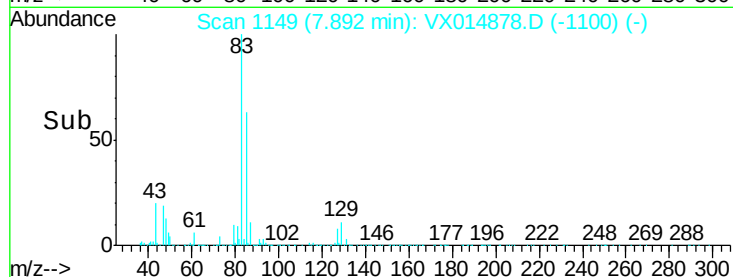
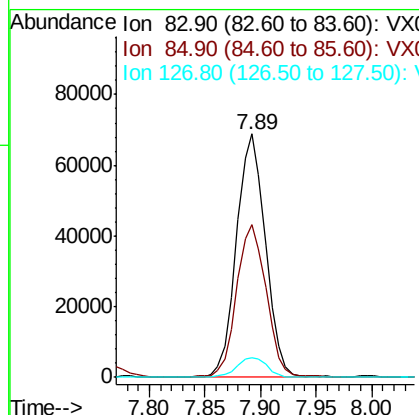
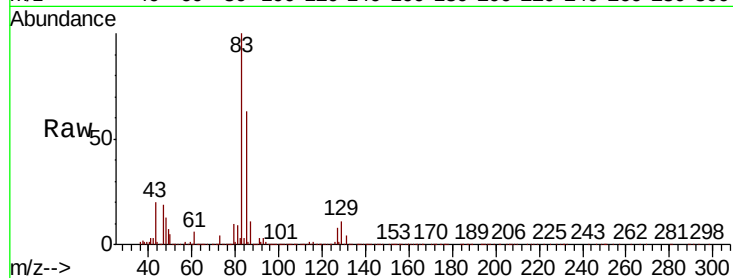
#47
Bromodichloromethane
Concen: 20.113 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	83	Resp	123972
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.5	78.7
127	7.9	7.4	11.0

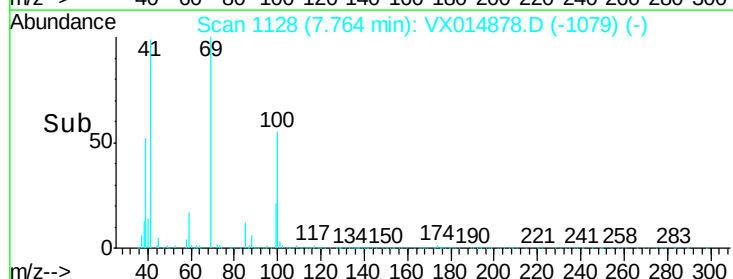
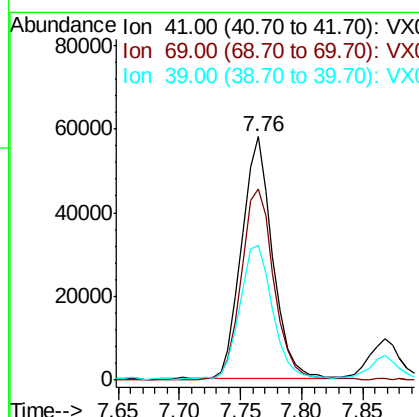
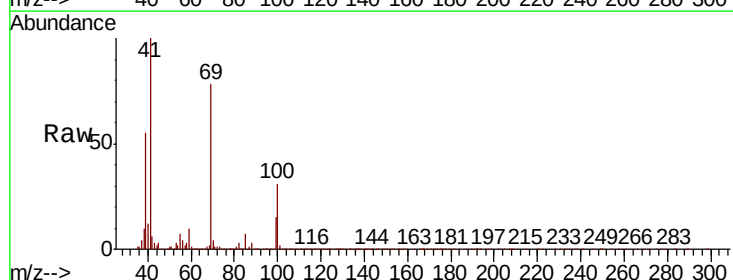
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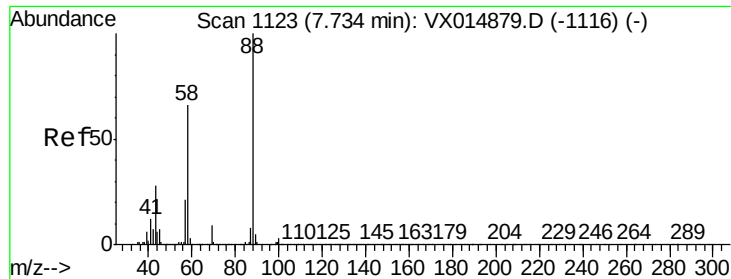
MMDadoda
2/11/2020 10:36:06 AM



#48
Methyl methacrylate
Concen: 20.653 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	41	Resp	101996
Ion Ratio	Lower	Upper	
41	100		
69	82.3	65.7	98.5
39	58.6	45.8	68.8





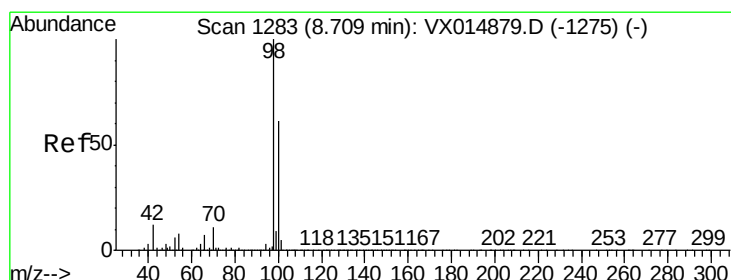
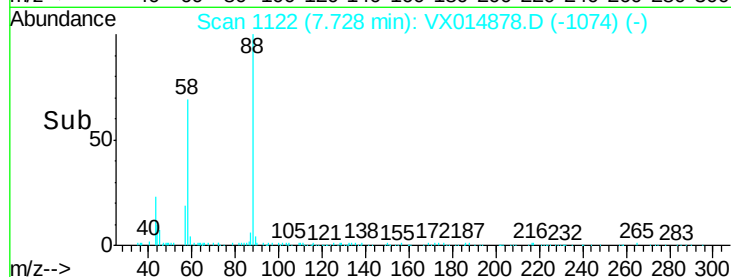
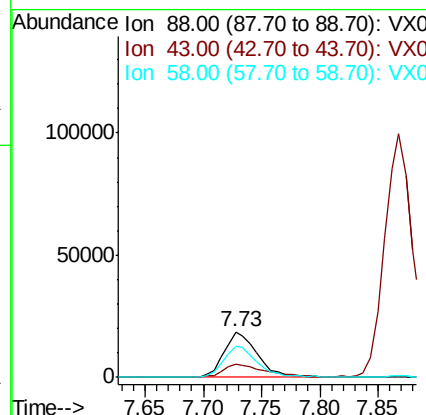
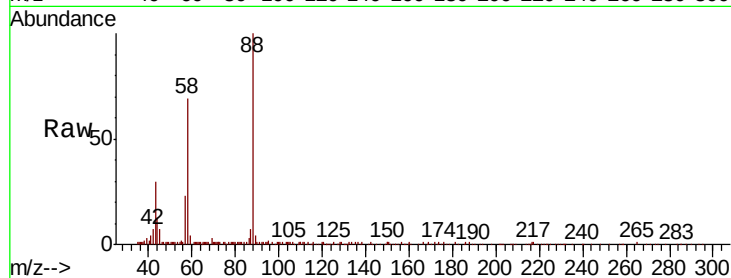
#49
1,4-Dioxane
Concen: 375.747 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	27.0	40.4
58	68.1	53.2	79.8

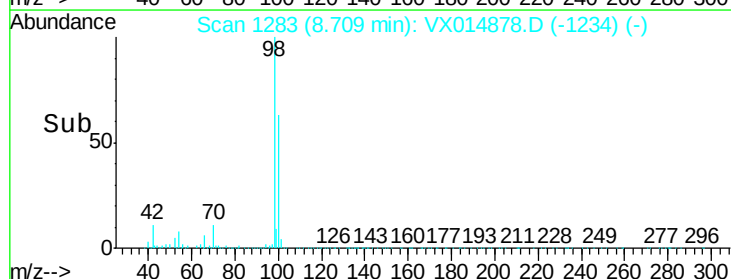
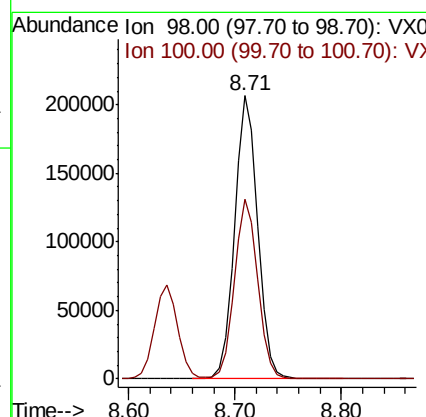
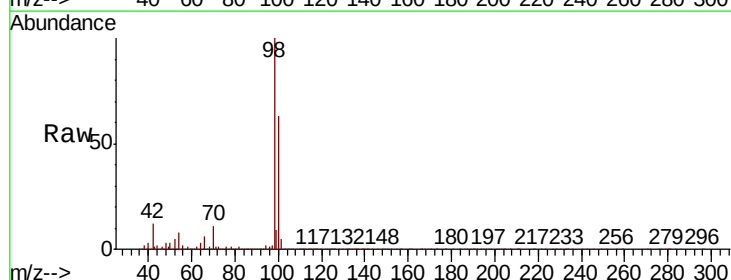
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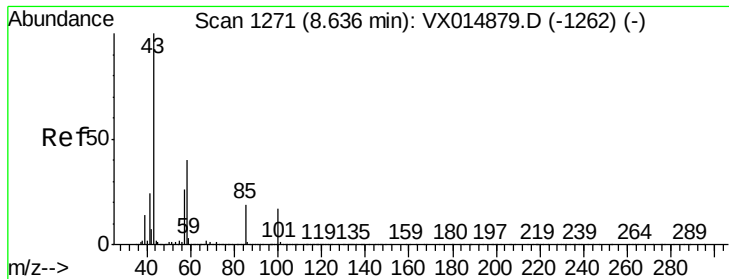
MMDadoda
2/11/2020 10:36:06 AM



#50
Toluene-d8
Concen: 18.796 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 104.789 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 646343

Ion Ratio Lower Upper

43 100

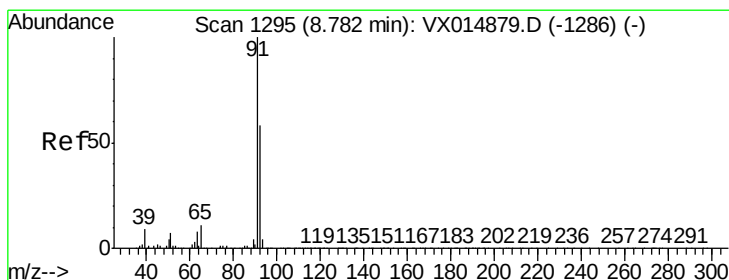
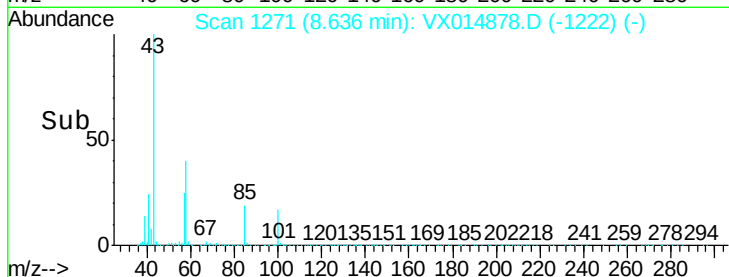
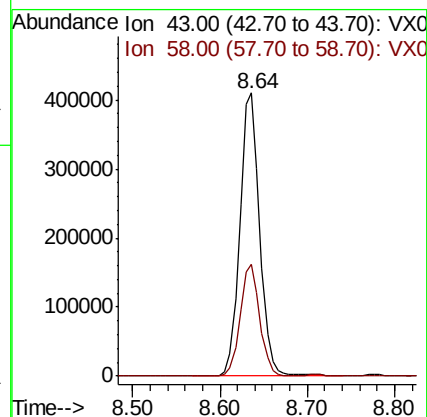
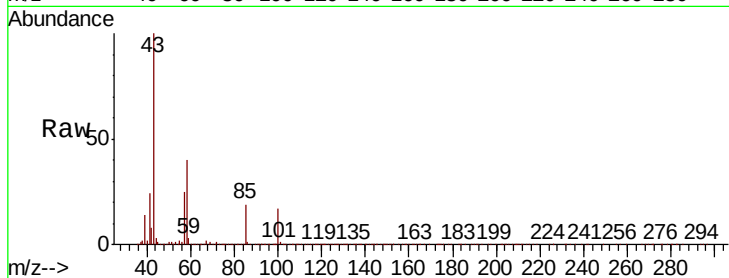
58 39.0 31.9 47.9

Manual Integrations

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MMDadoda

2/11/2020 10:36:06 AM



#52

Toluene

Concen: 20.593 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014878.D

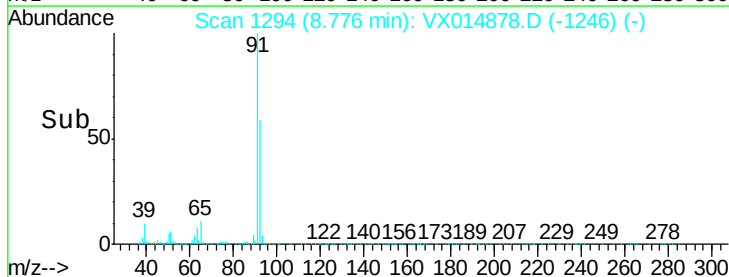
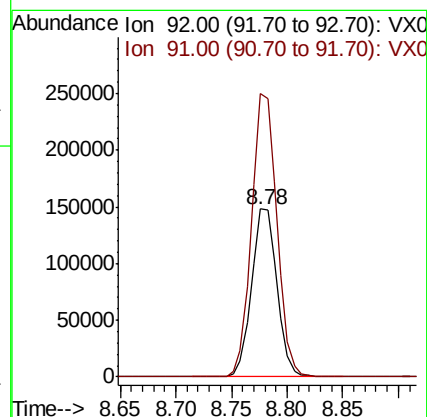
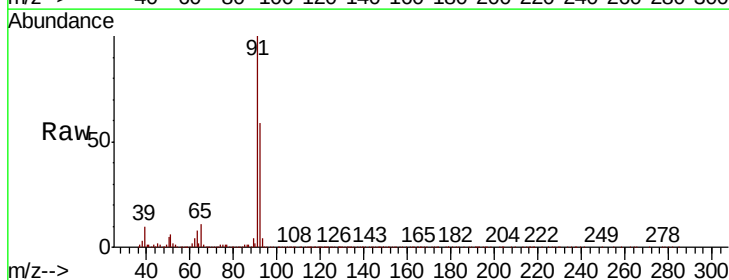
Acq: 10 Feb 2020 10:39

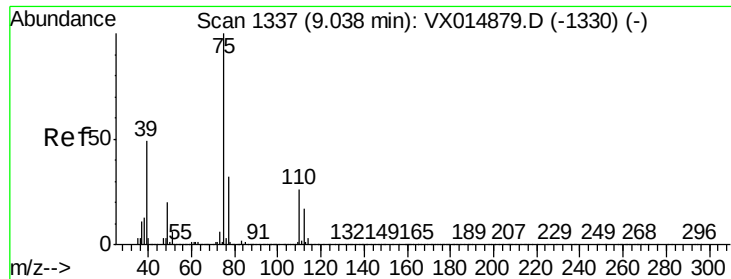
Tgt Ion: 92 Resp: 235290

Ion Ratio Lower Upper

92 100

91 168.5 137.0 205.4





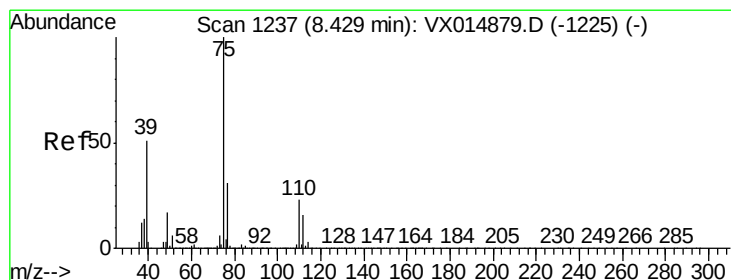
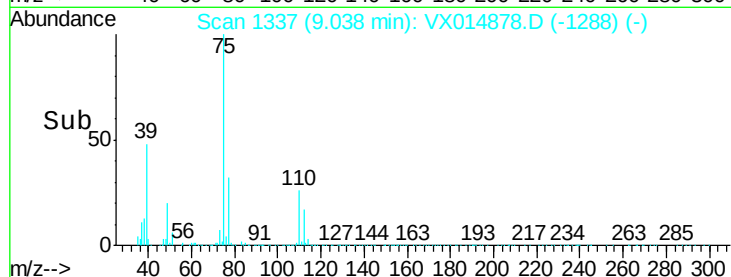
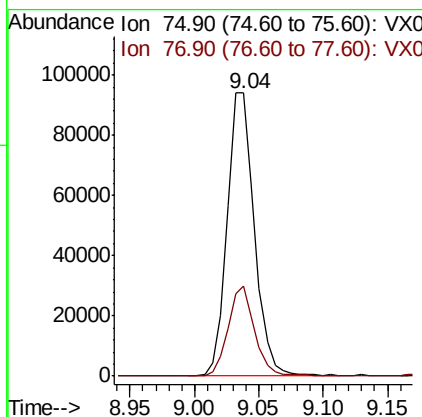
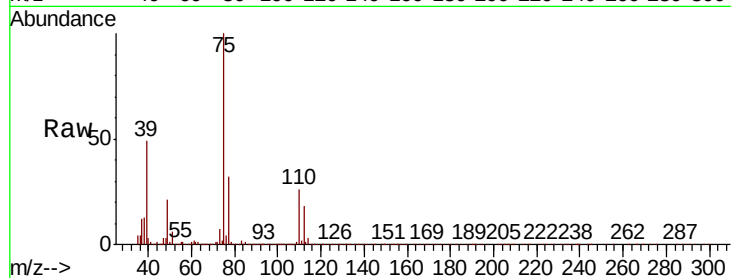
#53
t-1,3-Dichloropropene
Concen: 21.319 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

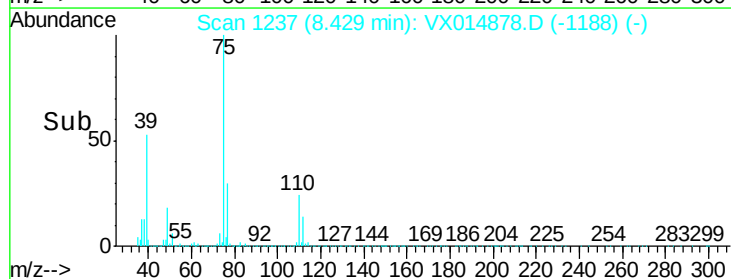
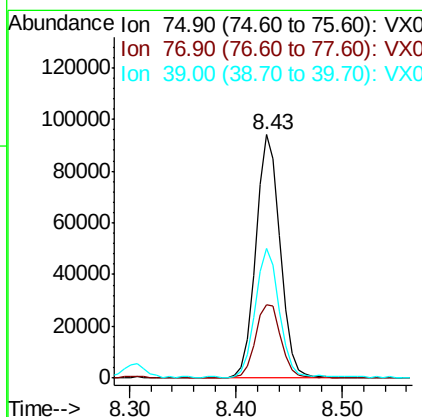
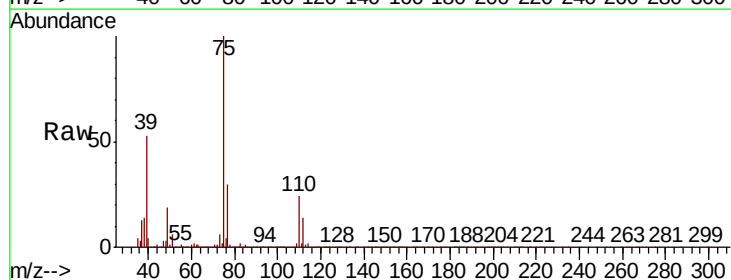
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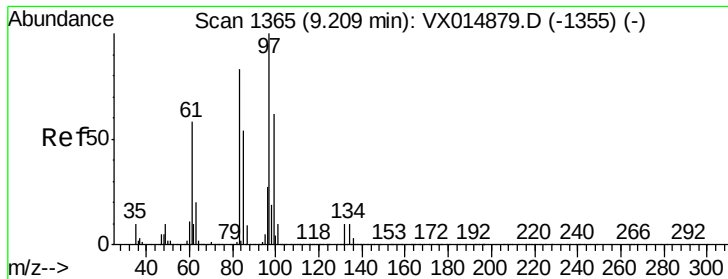
MMDadoda
2/11/2020 10:36:06 AM



#54
cis-1,3-Dichloropropene
Concen: 20.475 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.6	37.0
39	52.6	40.9	61.3





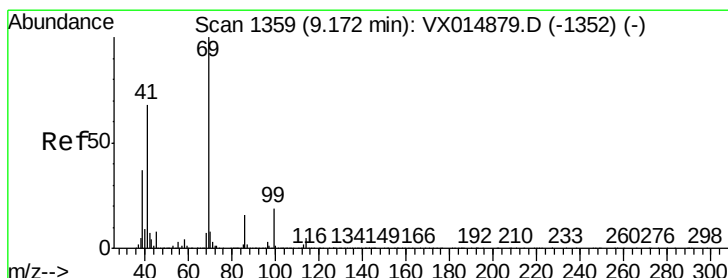
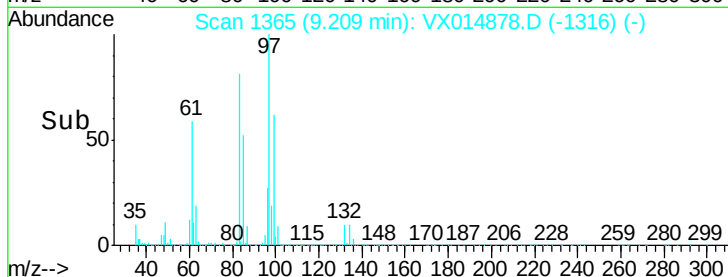
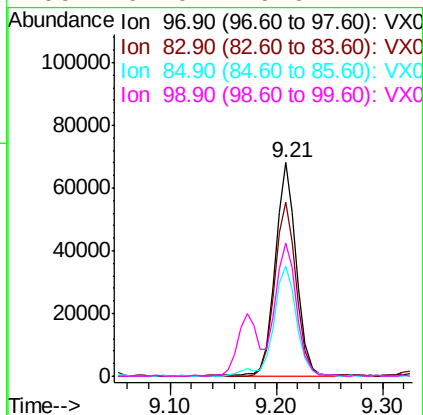
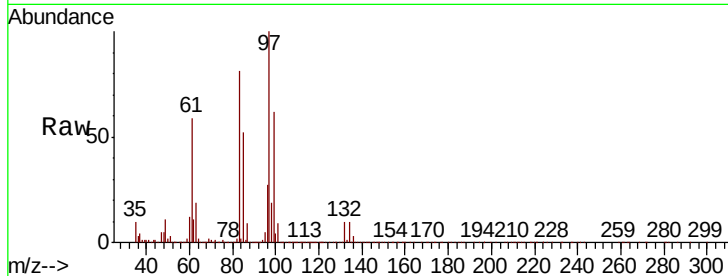
#55
 1,1,2-Trichloroethane
 Concen: 20.270 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		93899		
83	81.2	66.6	99.8		
85	51.7	43.5	65.3		
99	62.0	49.6	74.4		

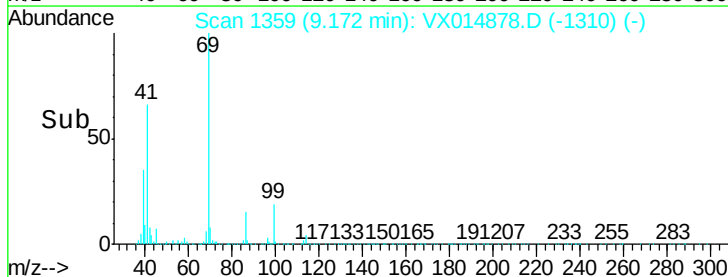
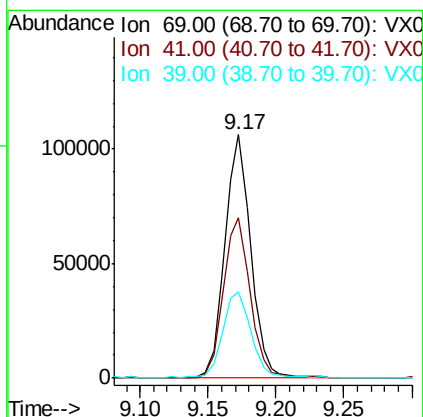
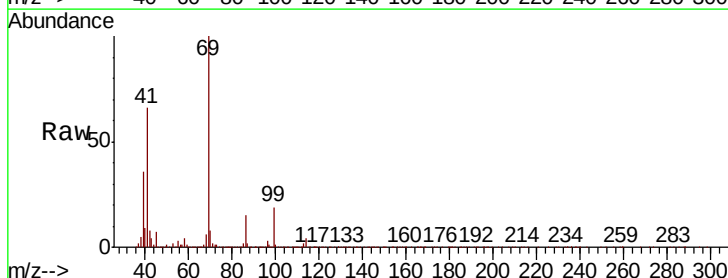
Manual Integrations
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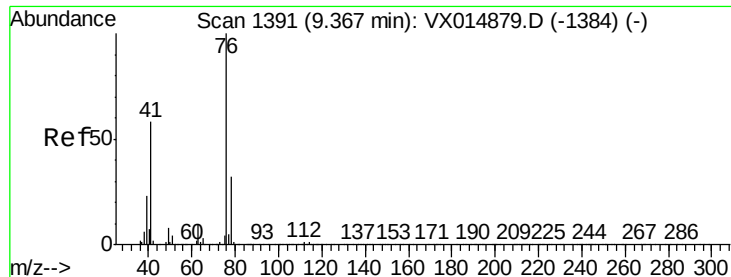
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 2/11/2020 10:36:06 AM



#56
 Ethyl methacrylate
 Concen: 21.003 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139870		
41	68.2	54.8	82.2		
39	38.6	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 20.176 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 157711

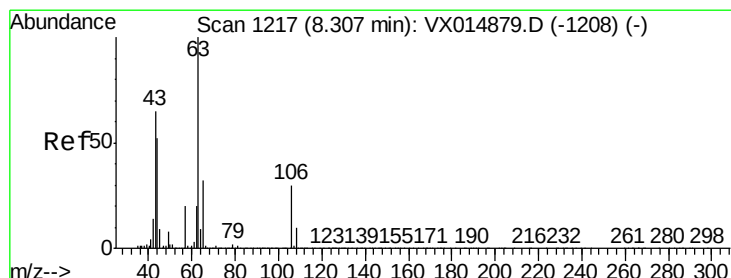
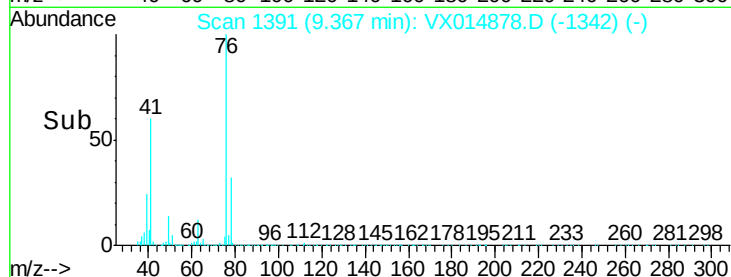
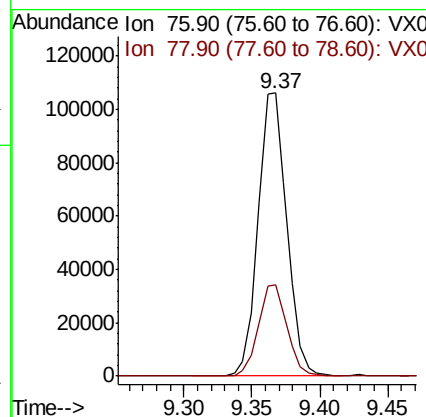
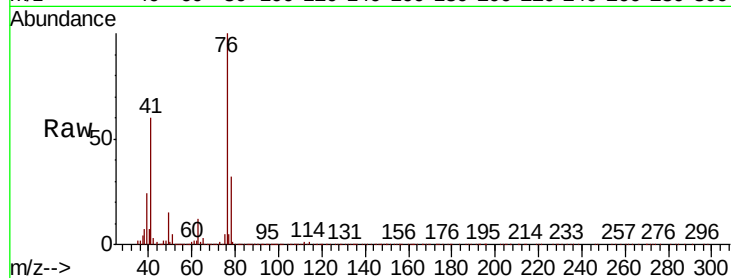
Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8

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MMDadoda
2/11/2020 10:36:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.237 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014878.D

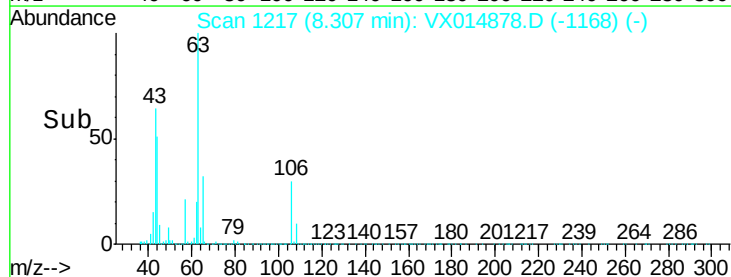
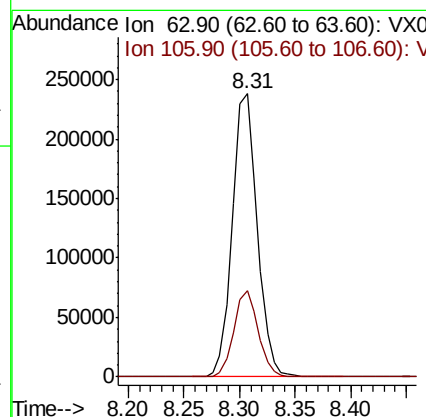
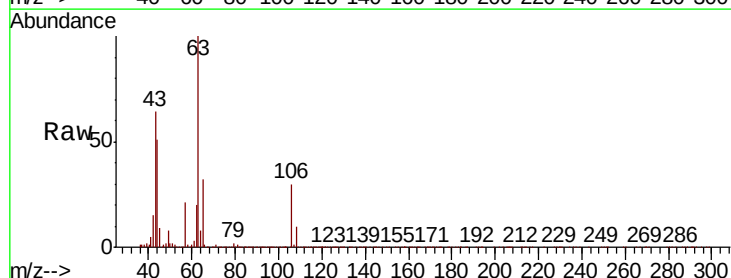
Acq: 10 Feb 2020 10:39

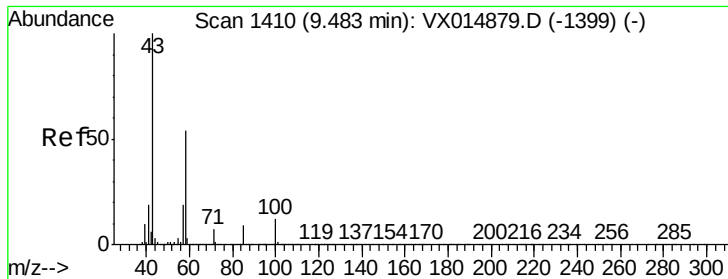
Tgt Ion: 63 Resp: 368656

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8





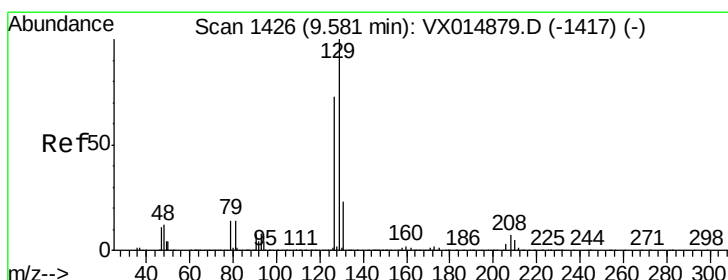
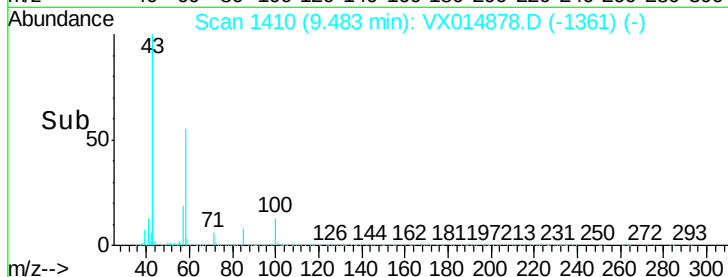
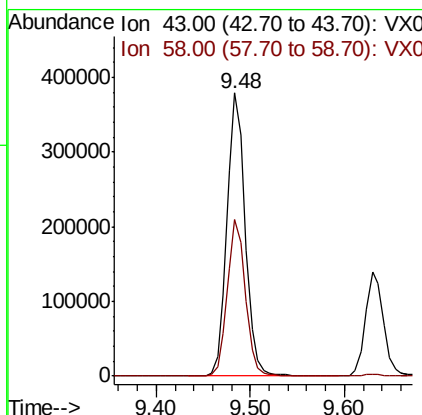
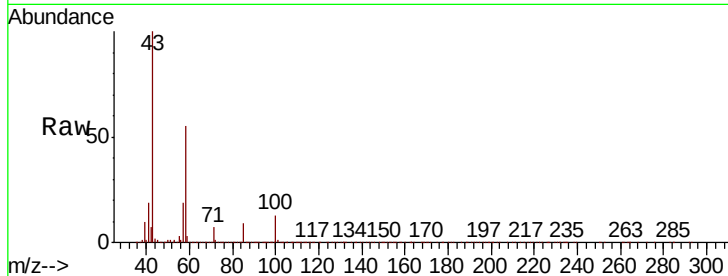
#59
2-Hexanone
Concen: 105.606 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.5	82.5

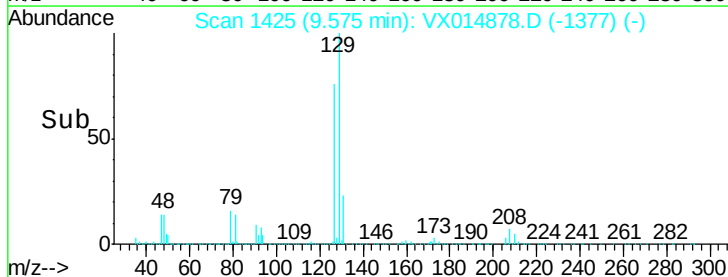
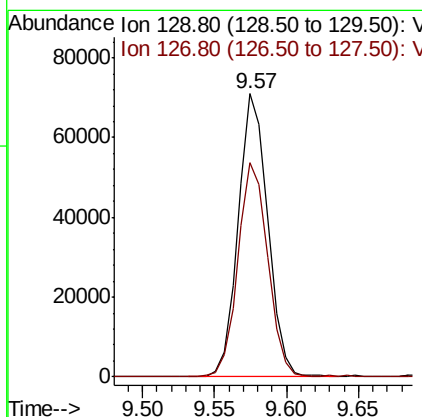
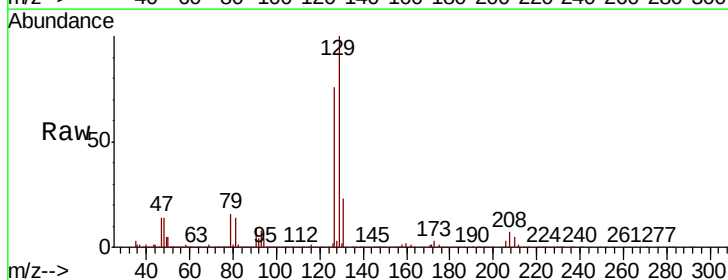
Manual Integrations
APPROVED

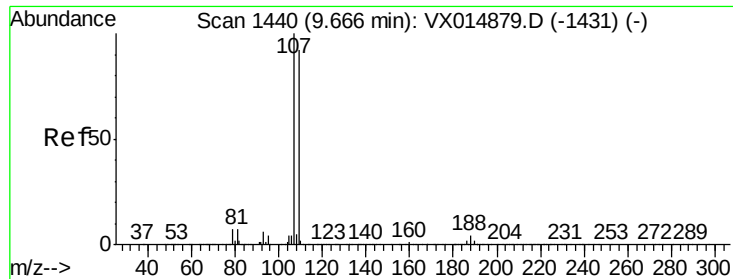
MMDadoda
2/11/2020 10:36:06 AM



#60
Dibromochloromethane
Concen: 21.095 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	37.8	113.3





#61

1,2-Dibromoethane

Concen: 20.021 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 100357

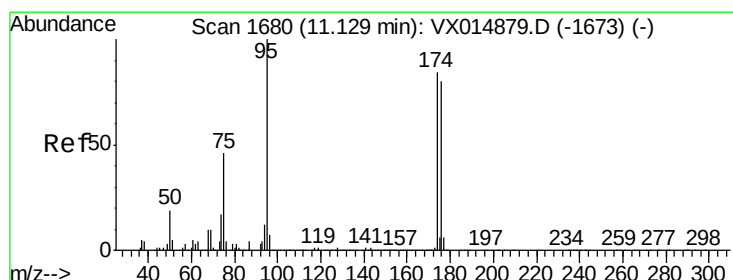
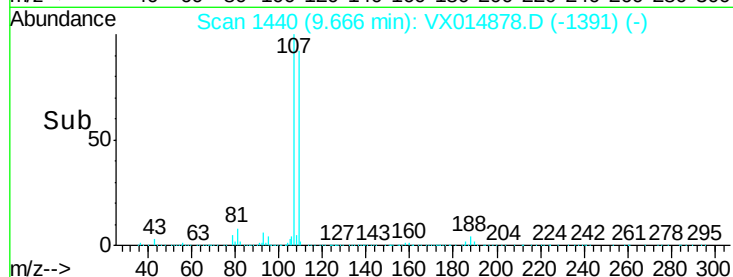
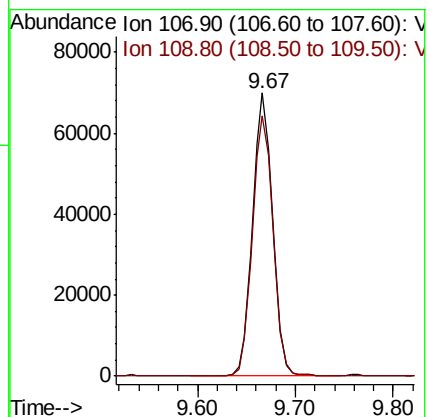
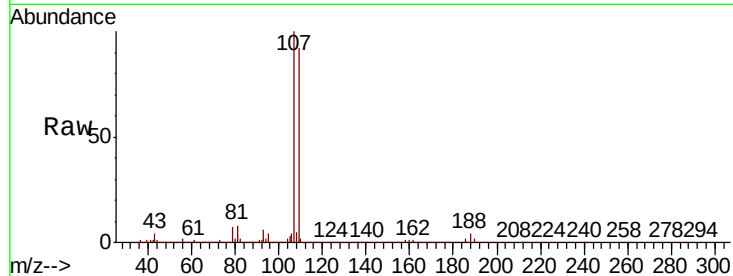
Ion Ratio Lower Upper

107 100

109 93.8 75.6 113.4

Manual Integrations
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2/11/2020 10:36:06 AM



#62

4-Bromofluorobenzene

Concen: 19.477 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

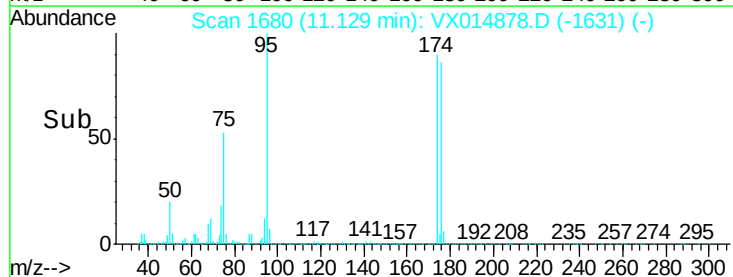
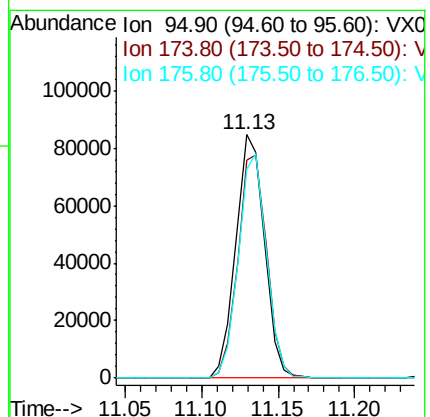
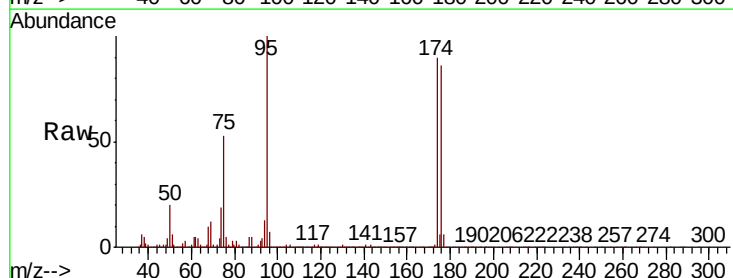
Tgt Ion: 95 Resp: 109470

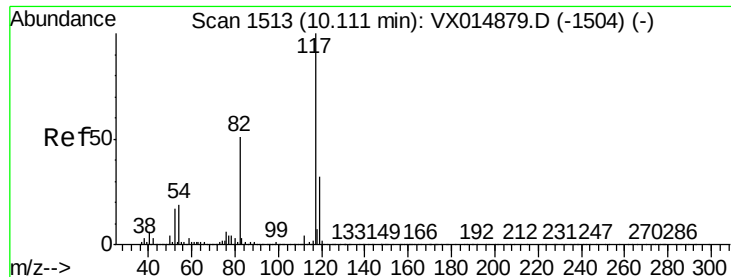
Ion Ratio Lower Upper

95 100

174 93.3 0.0 183.0

176 90.8 0.0 178.0





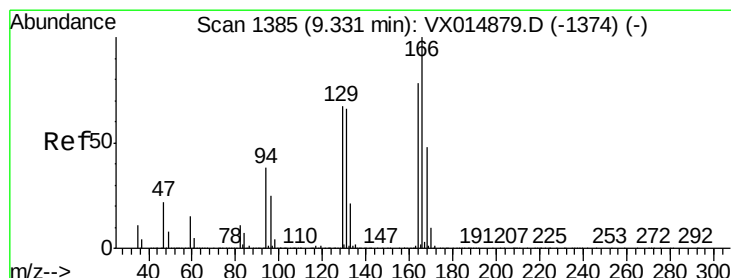
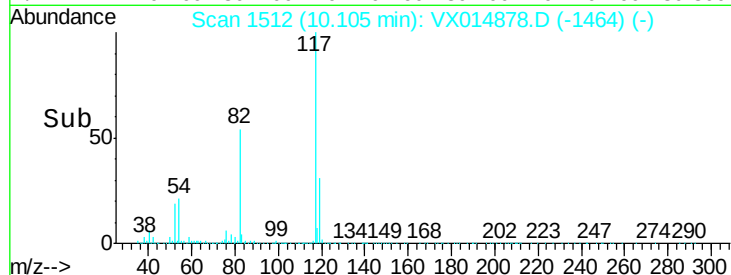
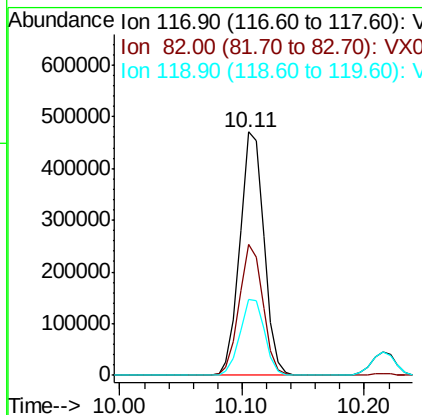
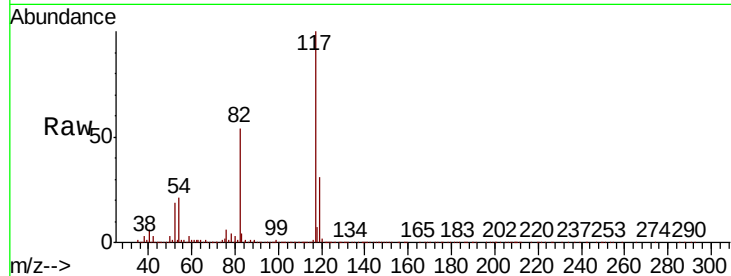
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	40.5	60.7
119	31.1	25.8	38.6

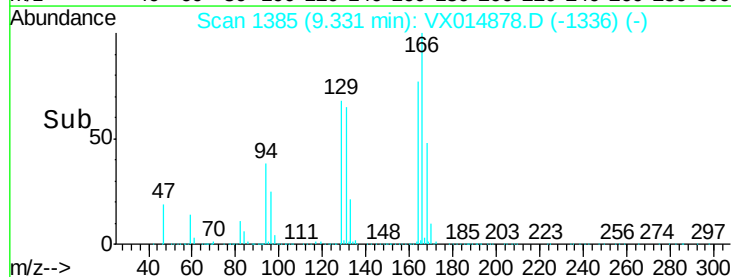
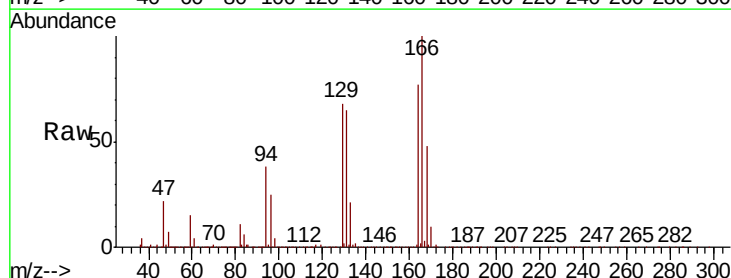
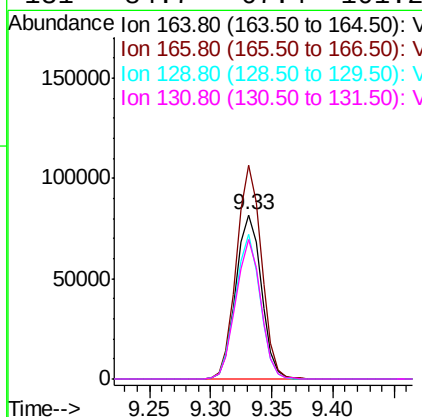
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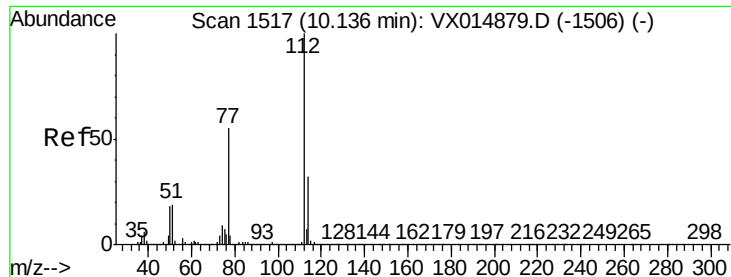
MMDadoda
2/11/2020 10:36:06 AM



#64
Tetrachloroethene
Concen: 20.232 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.6	153.8
129	88.0	68.3	102.5
131	84.7	67.4	101.2





#65

Chlorobenzene

Concen: 19.836 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 256791

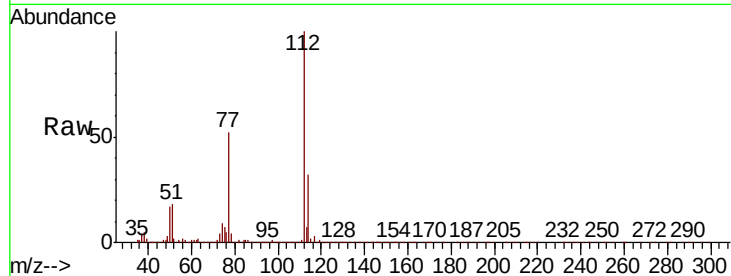
Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4

Manual Integrations
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2/11/2020 10:36:06 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

200000

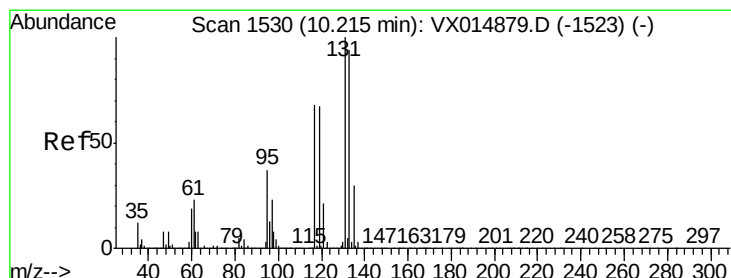
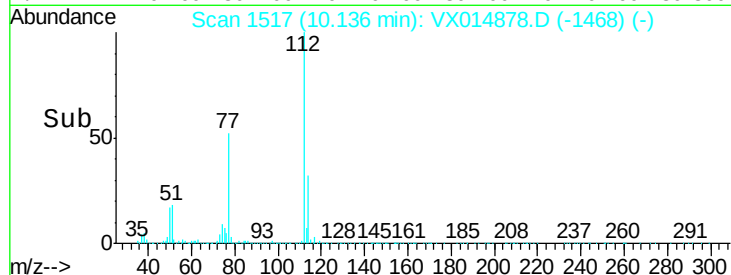
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.444 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

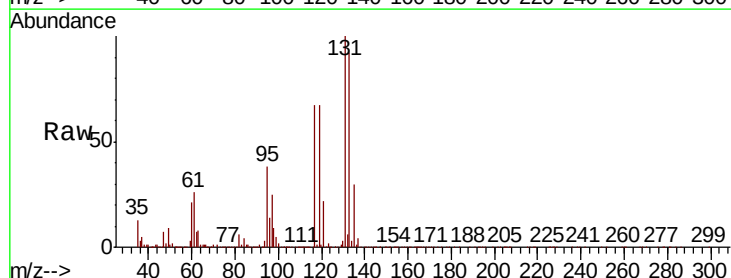
Tgt Ion:131 Resp: 94062

Ion Ratio Lower Upper

131 100

133 93.1 48.1 144.4

119 66.3 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

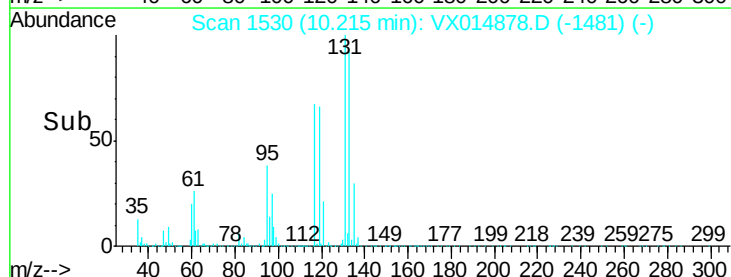
150000

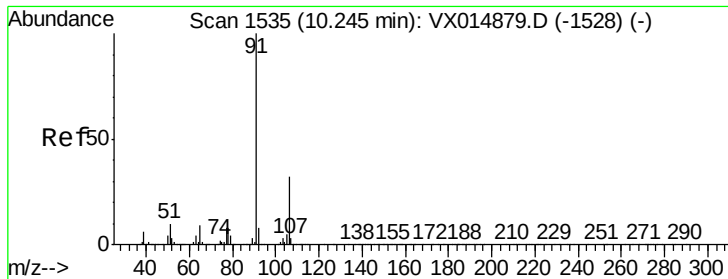
100000

50000

0

Time-->





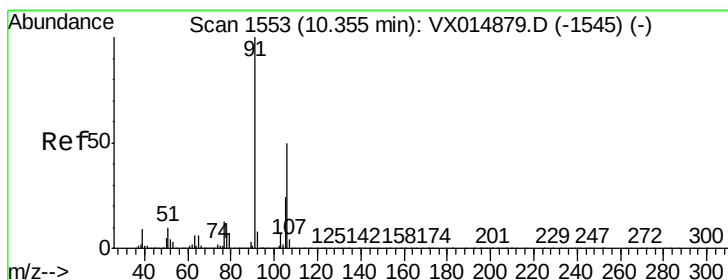
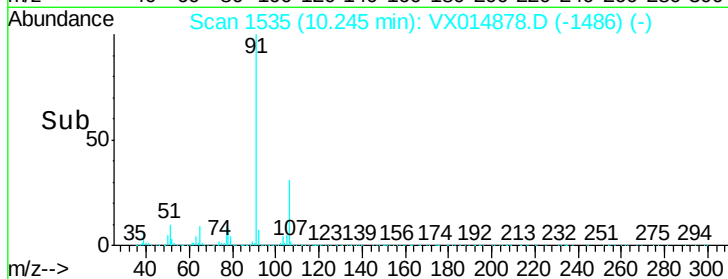
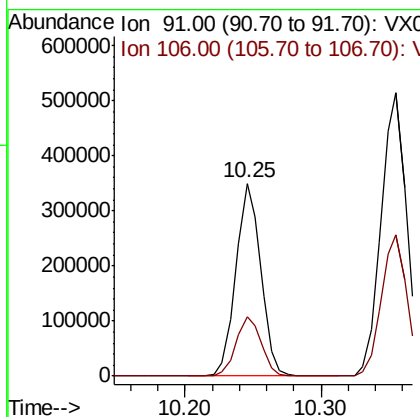
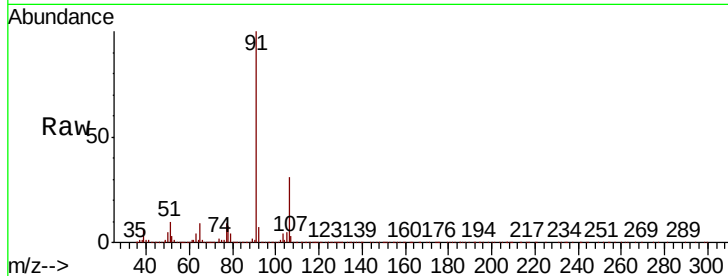
#67
Ethyl Benzene
Concen: 20.474 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 443802
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9

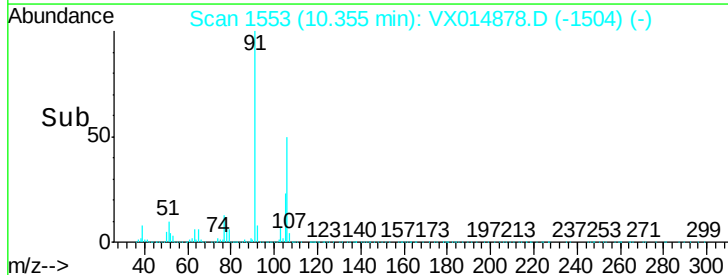
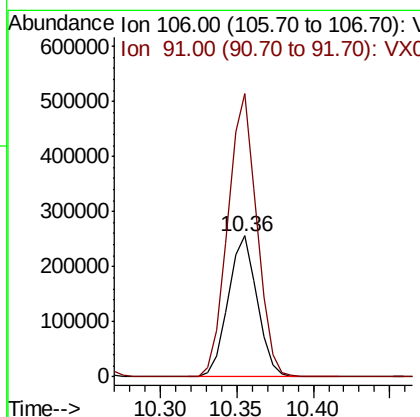
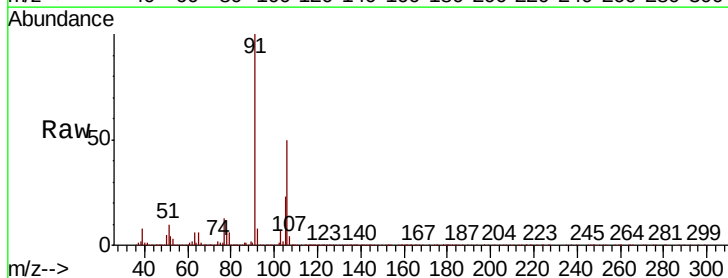
Manual Integrations
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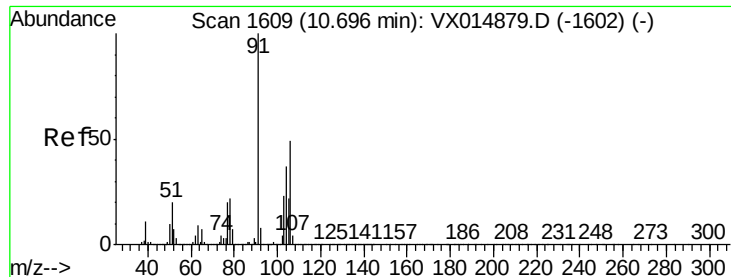
MMDadoda
2/11/2020 10:36:06 AM



#68
m/p-Xylenes
Concen: 40.221 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion: 106 Resp: 334886
Ion Ratio Lower Upper
106 100
91 201.5 160.6 240.8





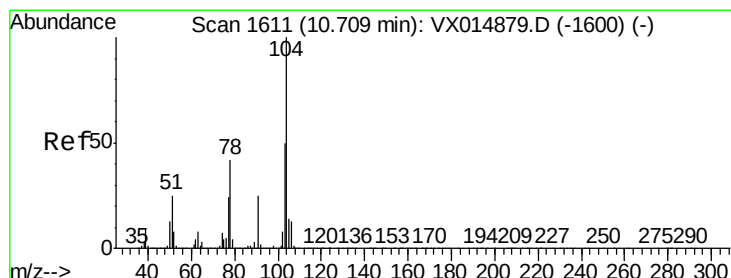
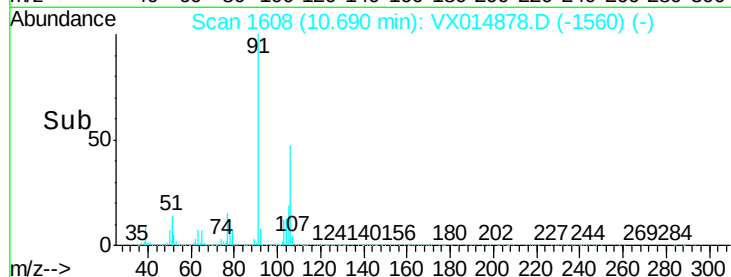
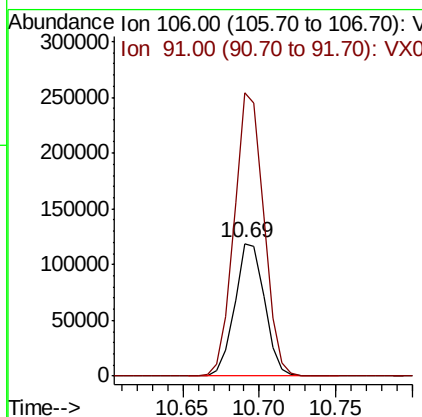
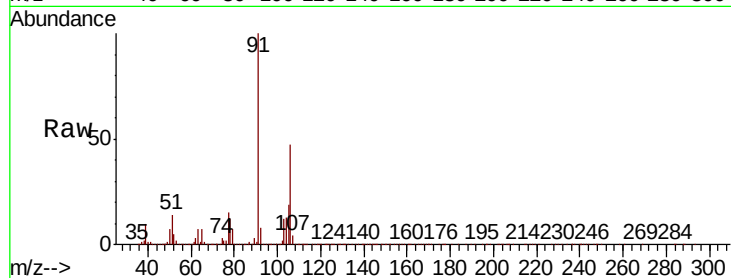
#69
o-Xylene
Concen: 20.049 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	159964		
91	212.6	105.1	315.3	

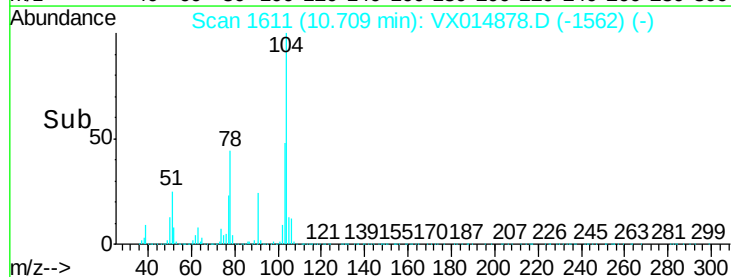
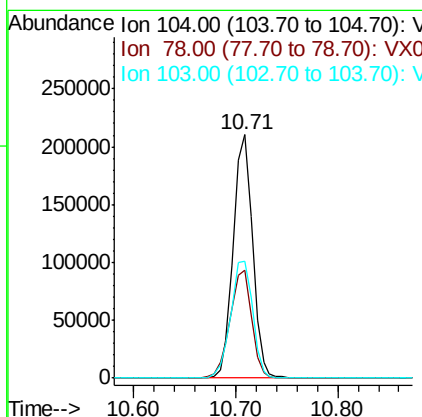
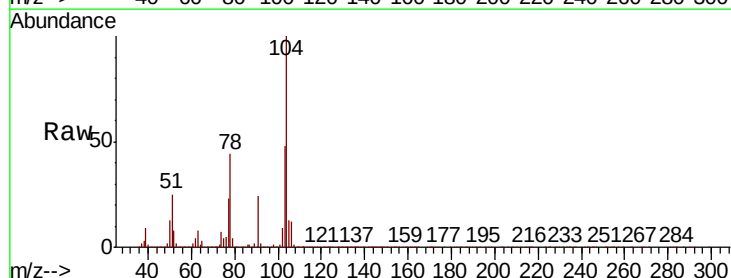
Manual Integrations
APPROVED

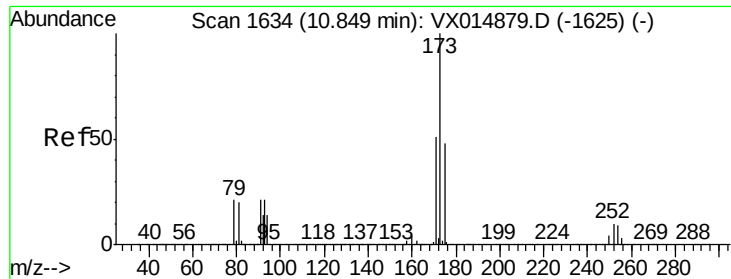
MMDadoda
2/11/2020 10:36:06 AM



#70
Styrene
Concen: 20.822 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	275562		
78	49.6	39.0	58.4	
103	54.4	43.4	65.0	





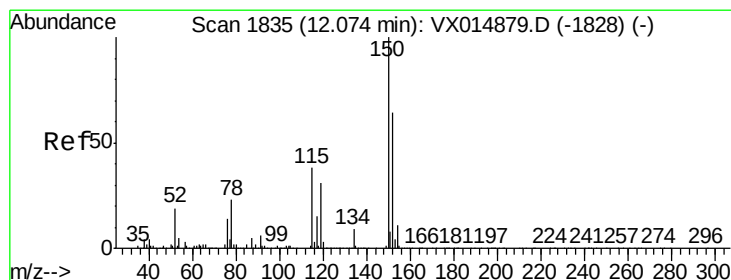
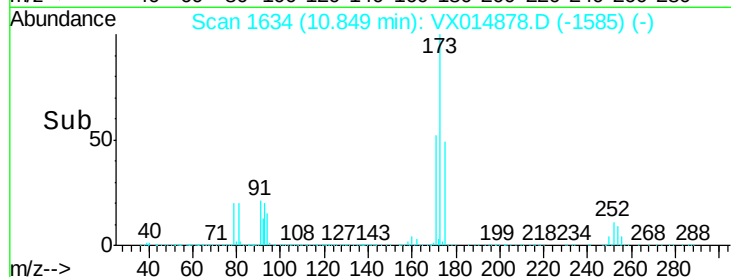
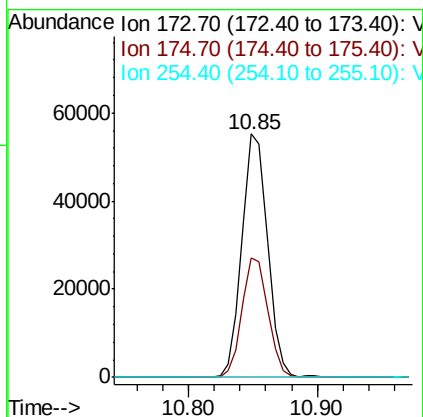
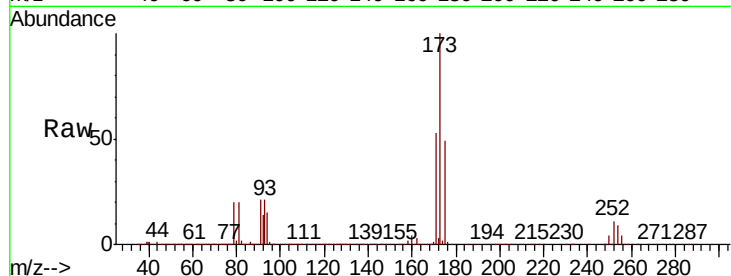
#71
Bromoform
Concen: 20.682 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.2	72.6
254	0.2	0.2	0.2

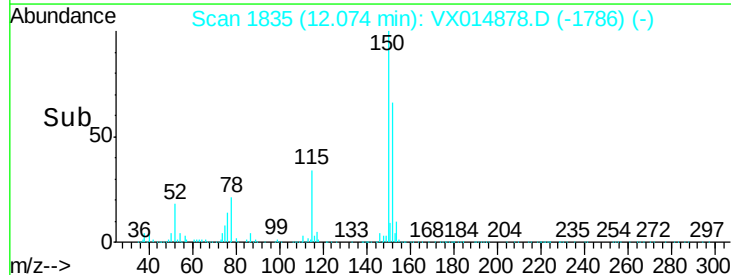
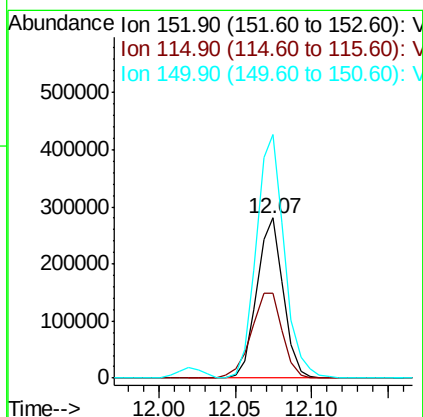
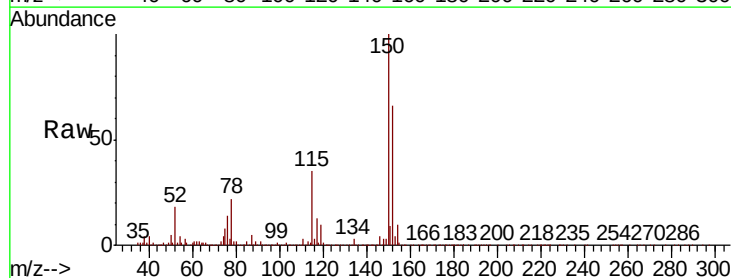
Manual Integrations
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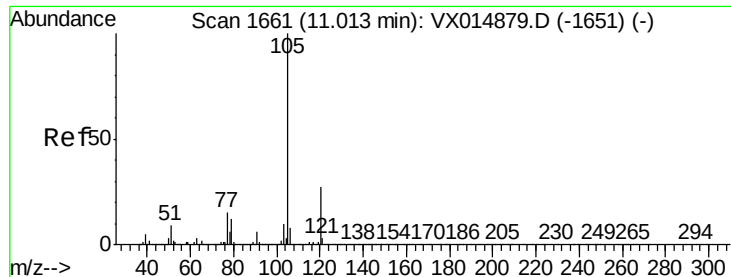
MMDadoda
2/11/2020 10:36:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	38.6	116.0
150	162.0	0.0	349.0





#73

Isopropylbenzene

Concen: 20.773 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 437155

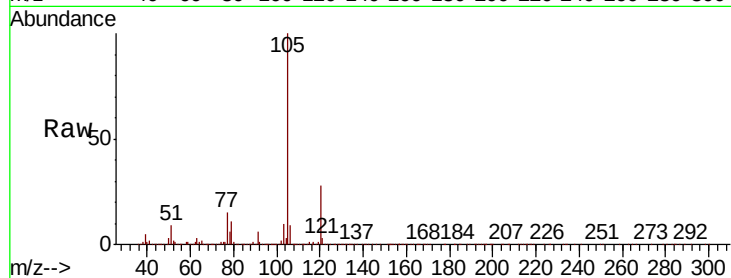
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8

Manual Integrations
APPROVED

MMDadoda
2/11/2020 10:36:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

400000

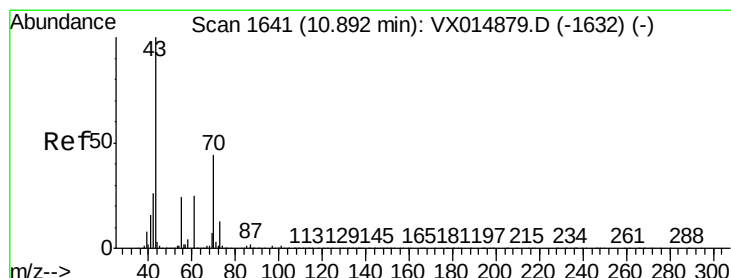
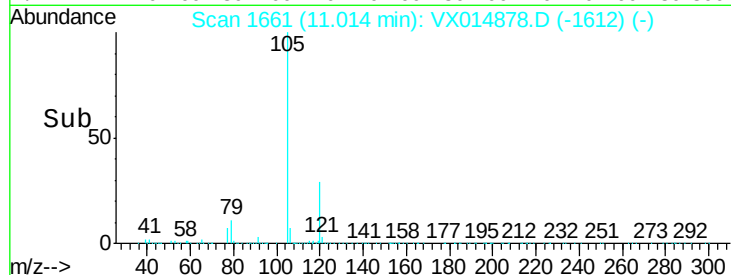
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.579 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion: 43 Resp: 179112

Ion Ratio Lower Upper

43 100

70 42.3 35.0 52.4

55 24.4 19.4 29.2

61 24.6 19.8 29.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

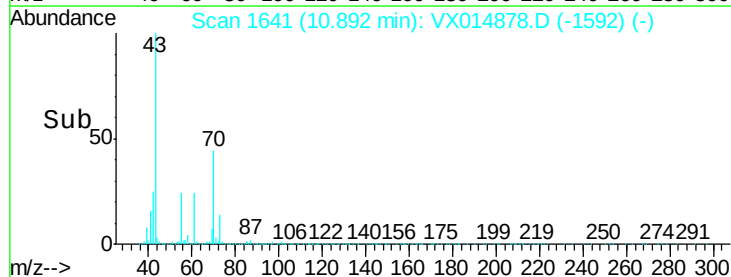
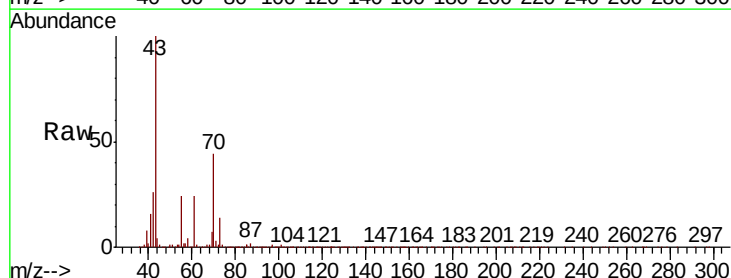
150000

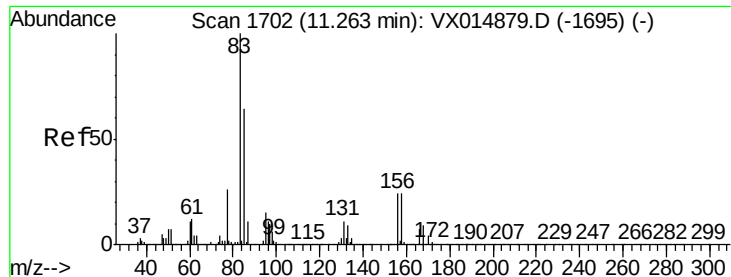
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.584 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

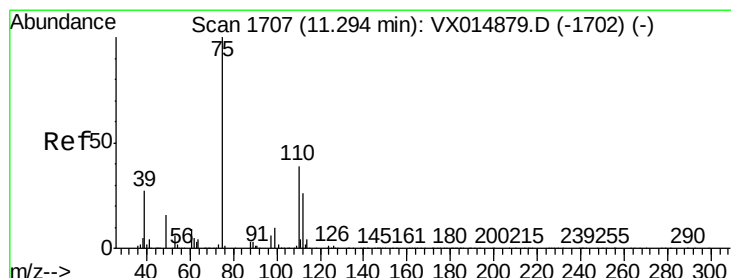
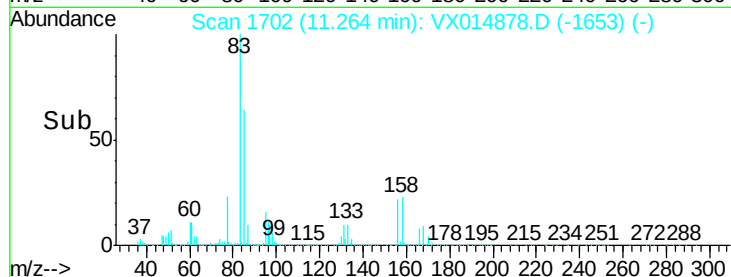
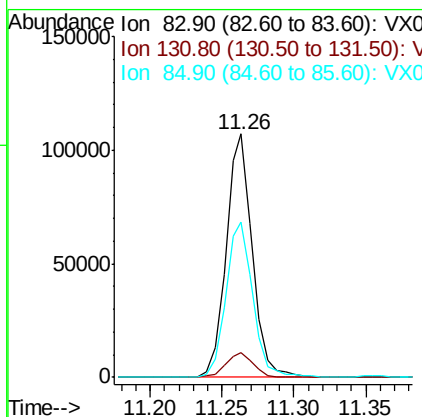
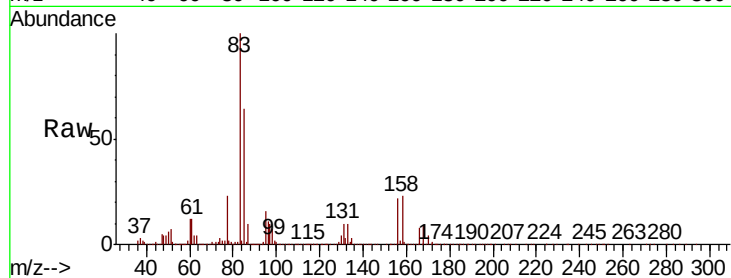
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	135711
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	66.1	32.6	97.7

Manual Integrations
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2/11/2020 10:36:06 AM



#76

1,2,3-Trichloropropane

Concen: 15.937 ug/l m

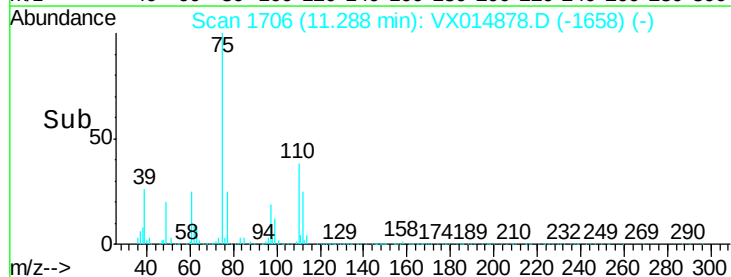
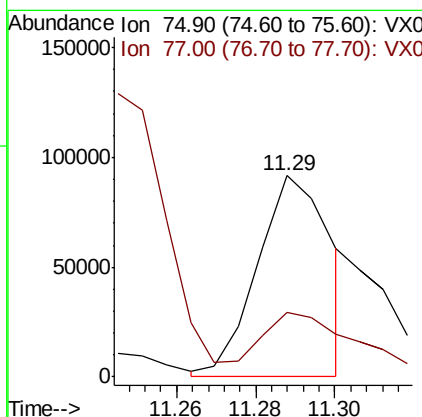
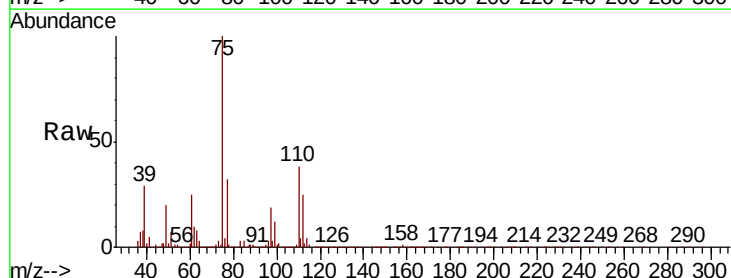
RT: 11.29 min Scan# 1706

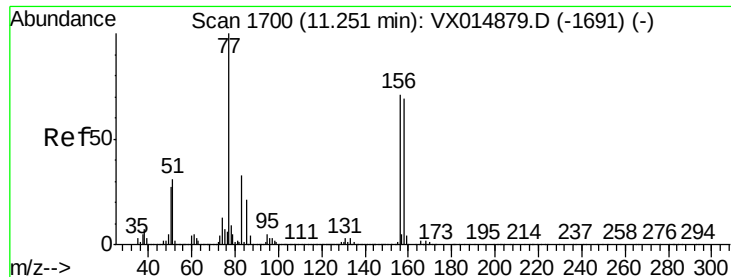
Delta R.T. -0.01 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	75	Resp:	116179
Ion Ratio	Lower	Upper	
75	100		
77	43.6	18.4	55.0





#77

Bromobenzene

Concen: 19.663 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

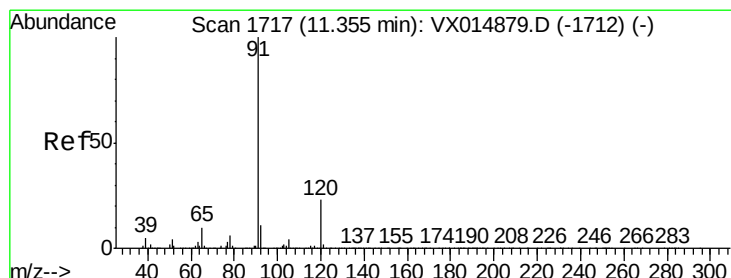
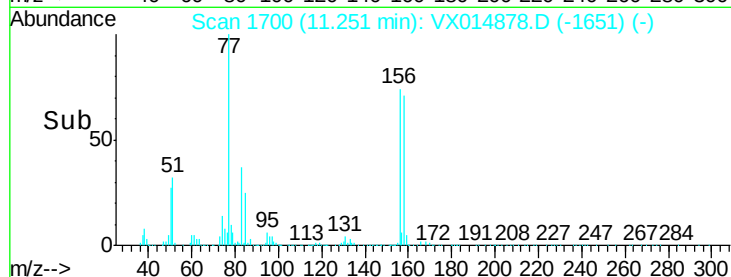
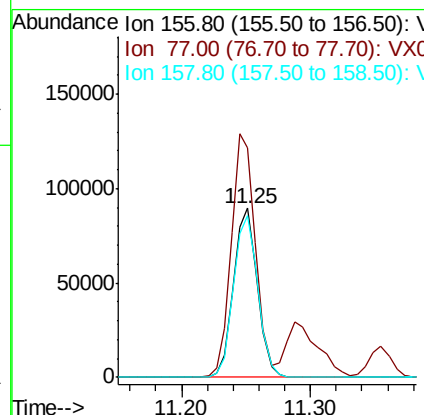
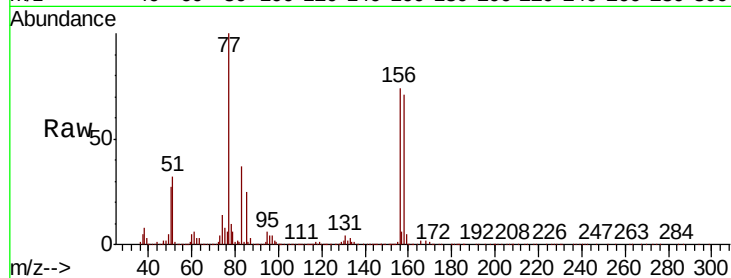
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	116208
Ion Ratio	Lower	Upper	
156	100		
77	145.3	74.0	222.0
158	98.3	48.9	146.6

Manual Integrations
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2/11/2020 10:36:06 AM



#78

n-propylbenzene

Concen: 20.667 ug/l

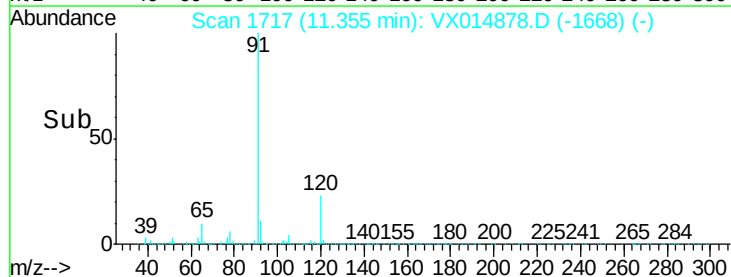
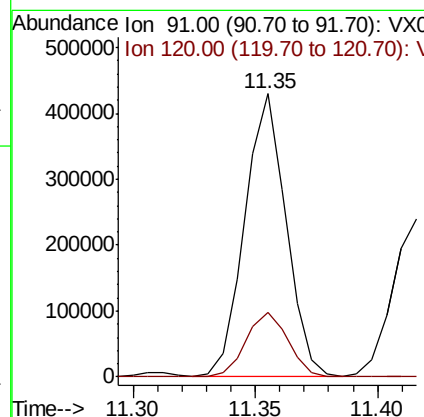
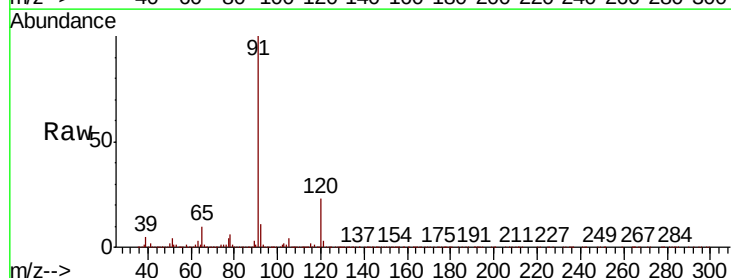
RT: 11.35 min Scan# 1717

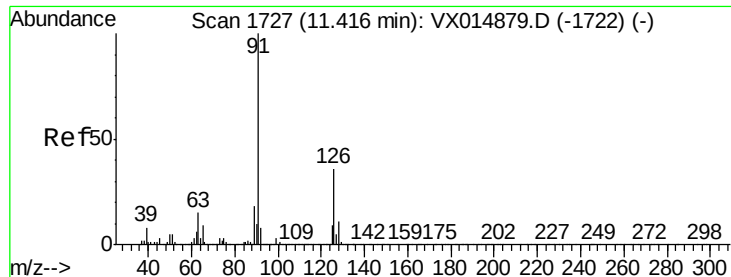
Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	91	Resp:	501118
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.518 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 294362

Ion Ratio Lower Upper

91 100

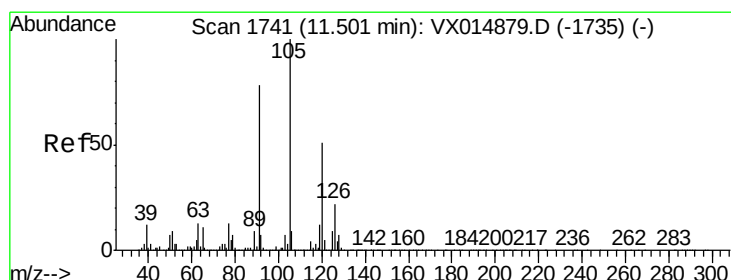
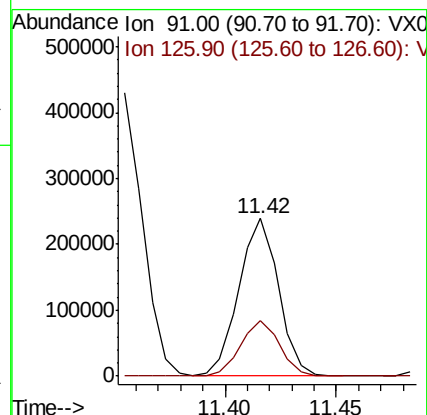
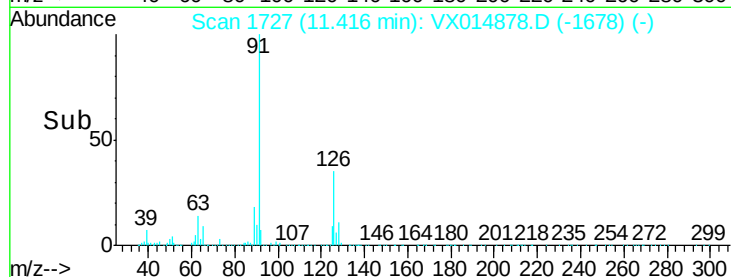
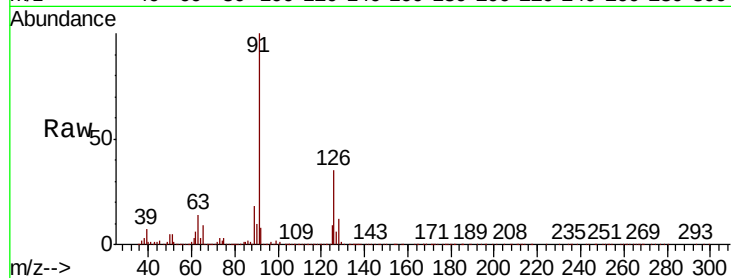
126 35.3 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.349 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014878.D

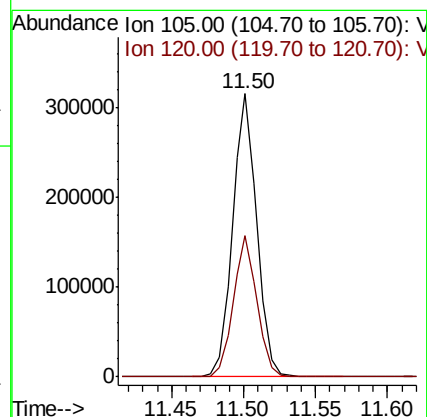
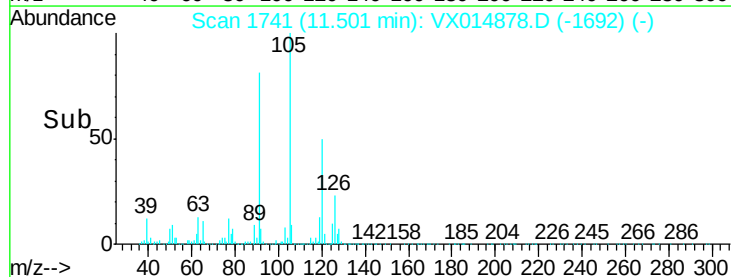
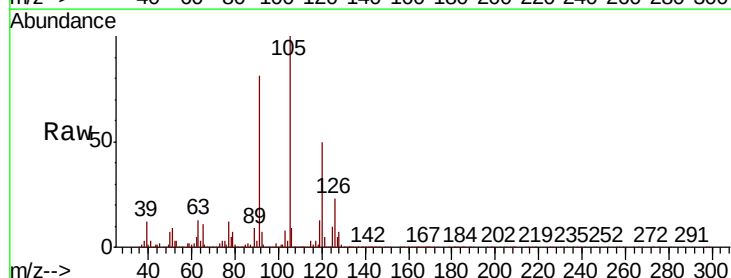
Acq: 10 Feb 2020 10:39

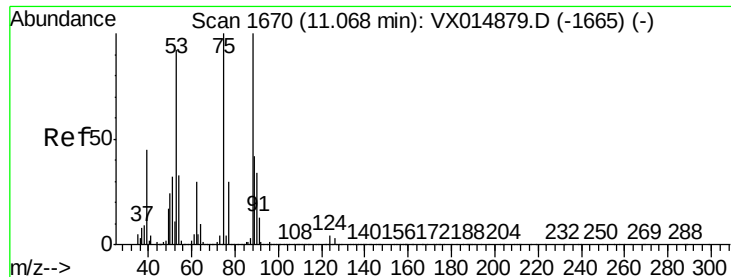
Tgt Ion: 105 Resp: 368499

Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.6





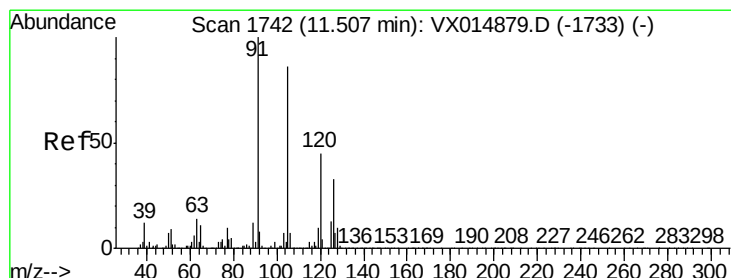
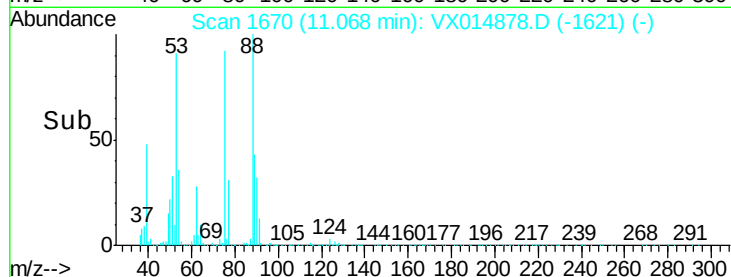
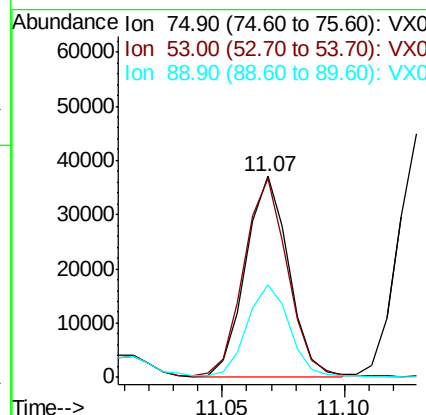
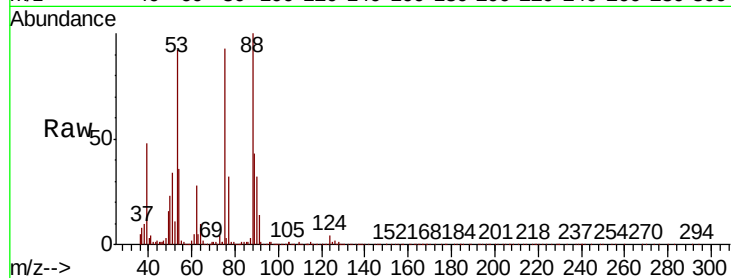
#81
trans-1,4-Dichloro-2-butene
Concen: 22.329 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	76.2	114.2
89	46.6	35.8	53.6

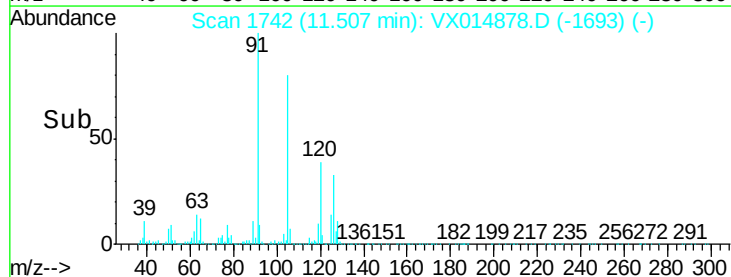
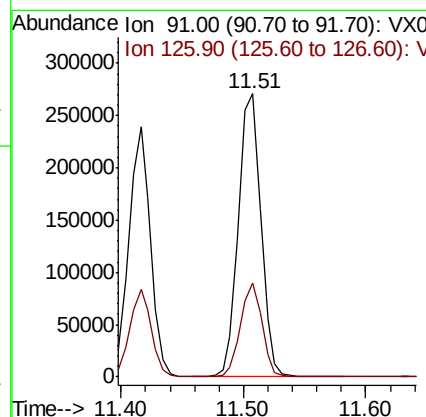
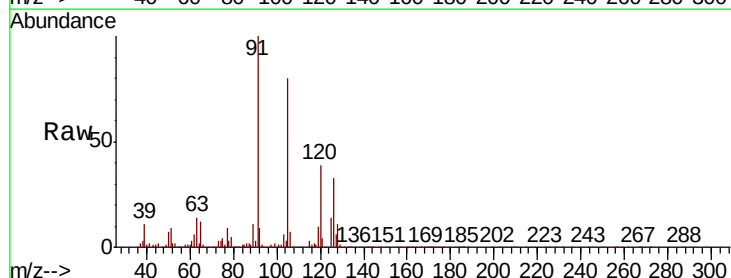
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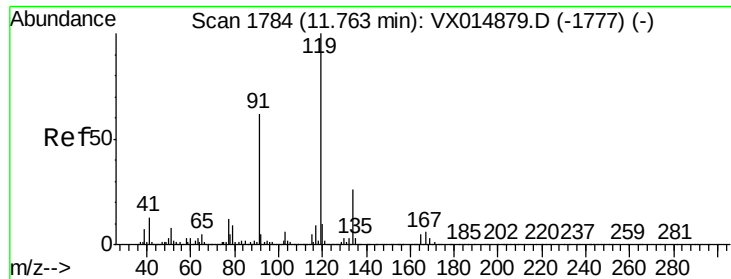
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.251 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.0





#83

tert-Butylbenzene

Concen: 20.443 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

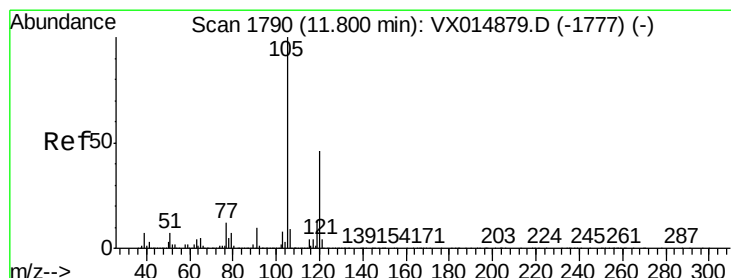
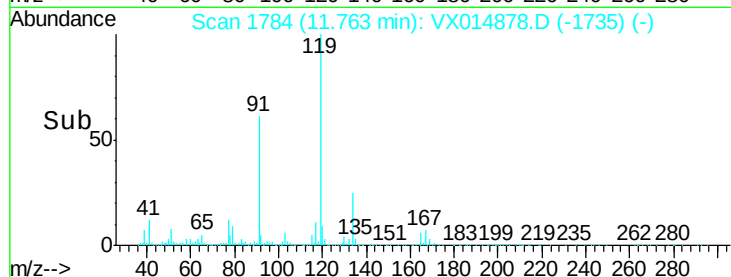
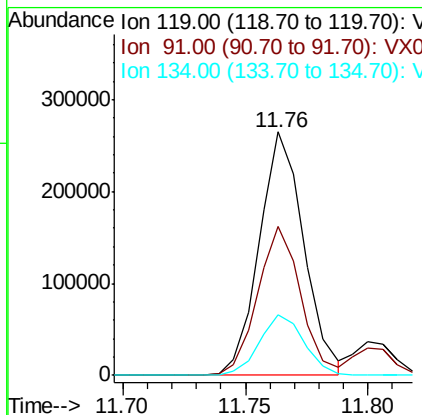
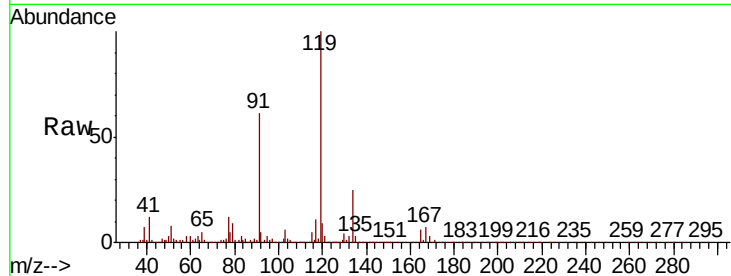
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	338168
Ion Ratio	Lower	Upper	
119	100		
91	58.8	29.5	88.6
134	24.9	12.6	37.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.992 ug/l

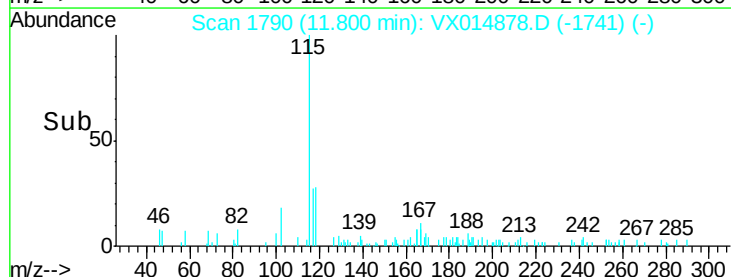
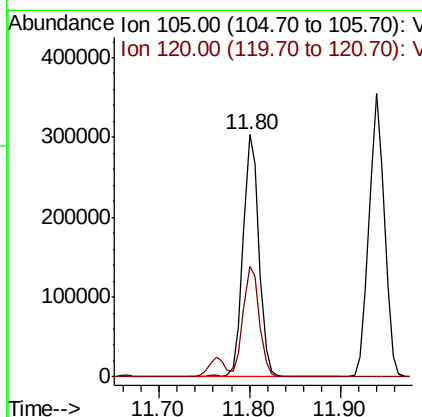
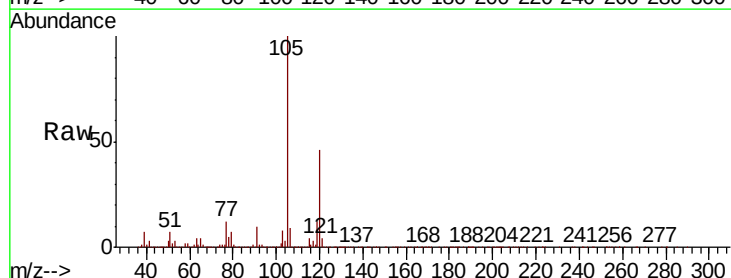
RT: 11.80 min Scan# 1790

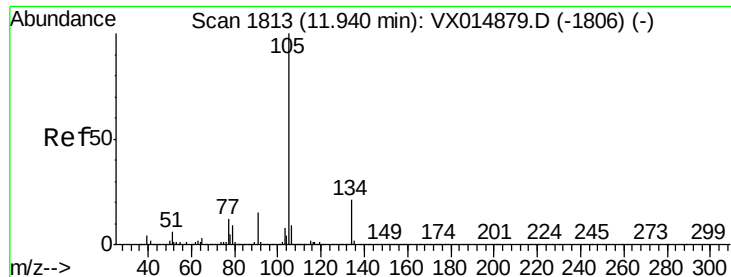
Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Tgt Ion:	105	Resp:	367195
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.515 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 420602

Ion Ratio Lower Upper

105 100

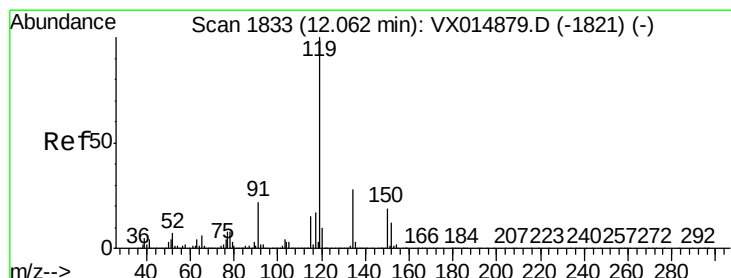
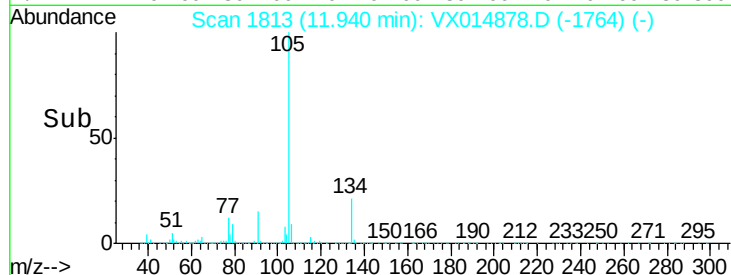
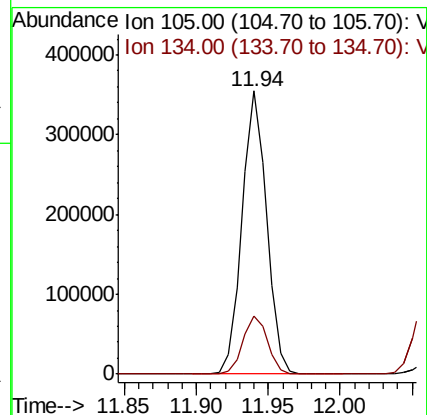
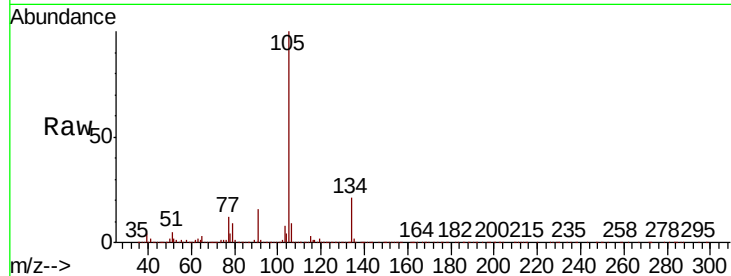
134 20.9 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.370 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014878.D

Acq: 10 Feb 2020 10:39

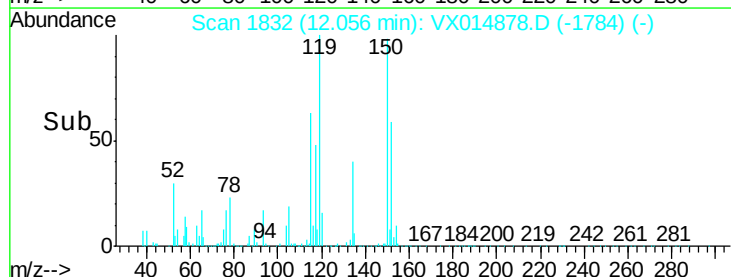
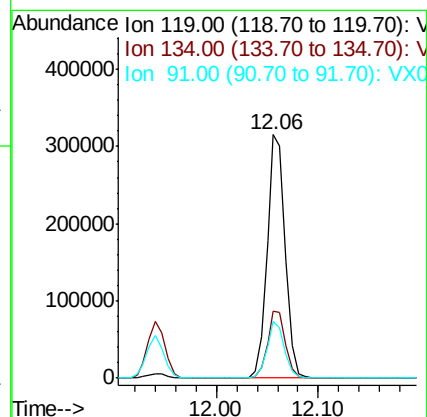
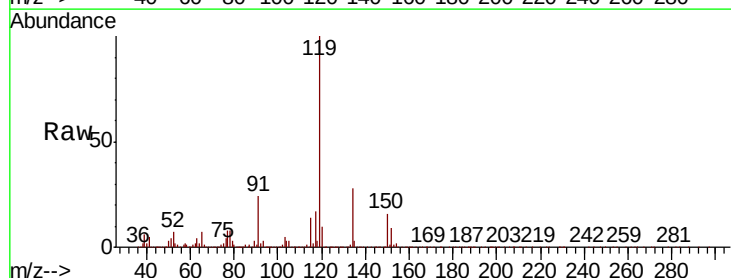
Tgt Ion:119 Resp: 389149

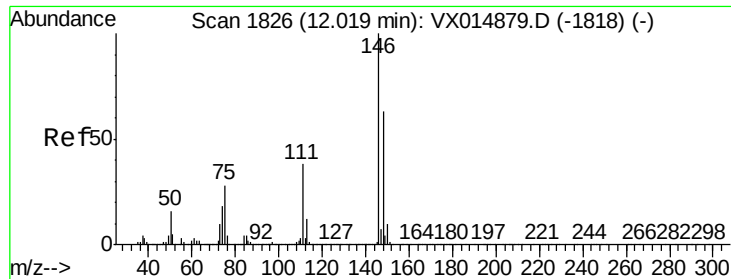
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 22.5 11.4 34.1





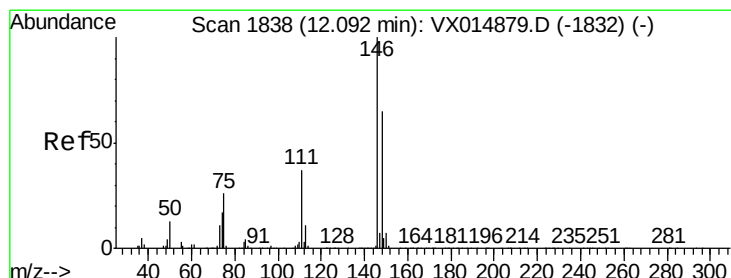
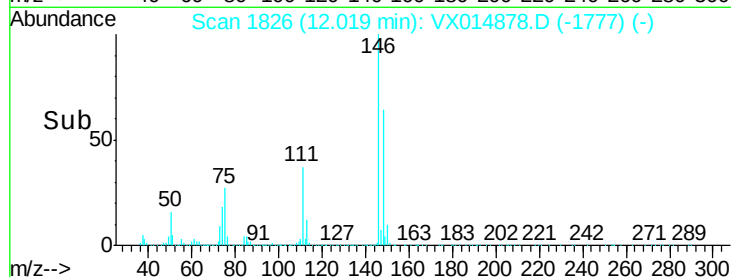
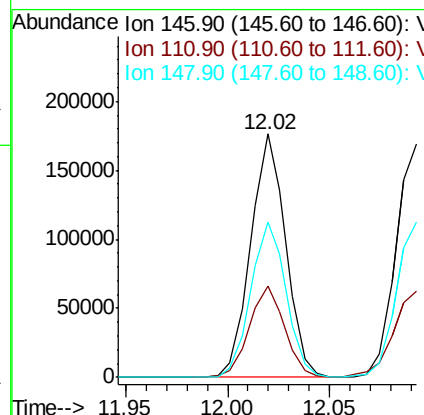
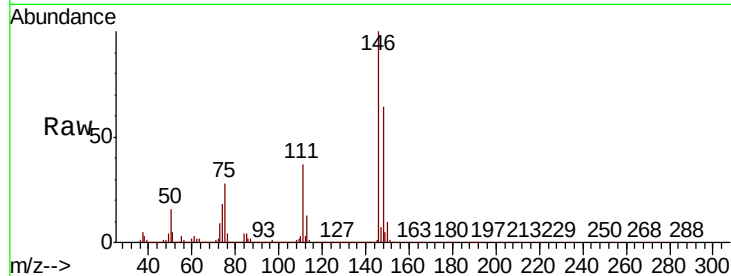
#87
 1,3-Dichlorobenzene
 Concen: 19.941 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	64.4	31.8	95.4

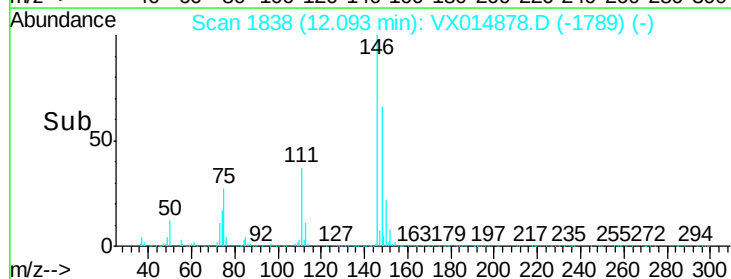
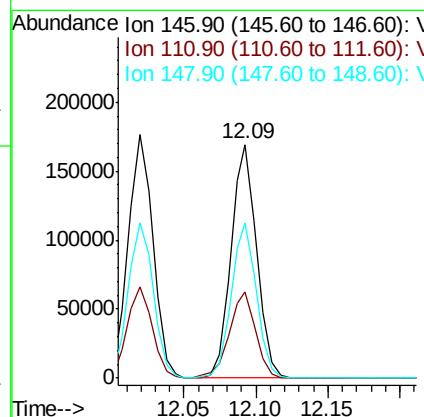
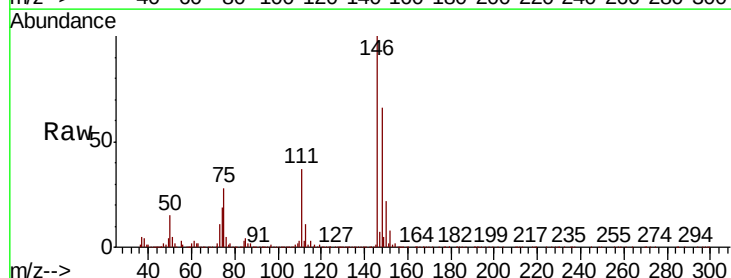
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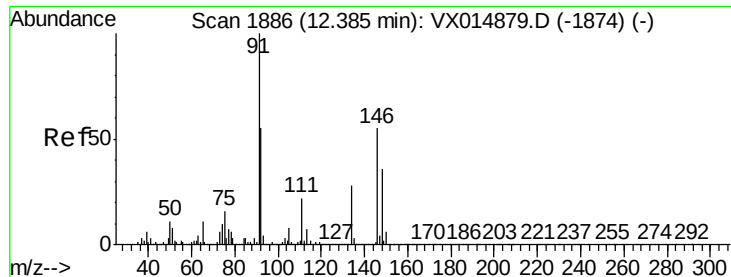
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#88
 1,4-Dichlorobenzene
 Concen: 19.908 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.6
148	65.6	32.4	97.0





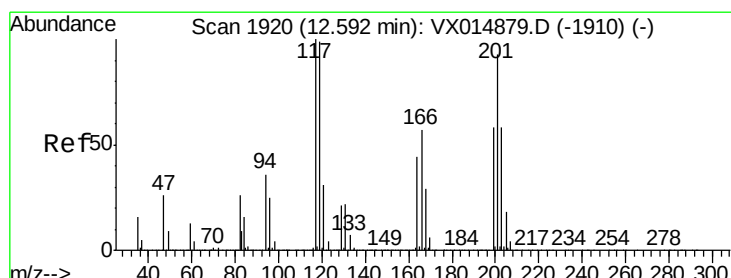
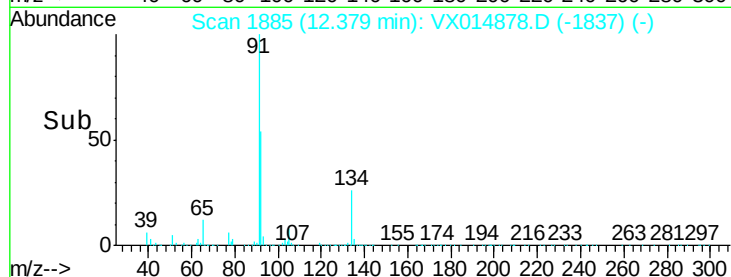
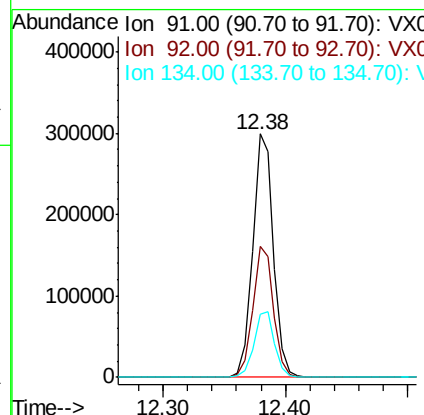
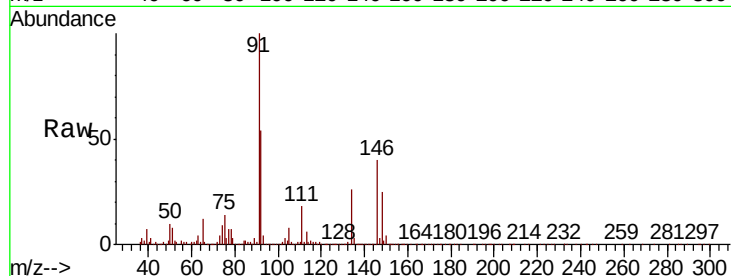
#89
n-Butylbenzene
Concen: 20.671 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.3	81.8
134	27.0	13.8	41.4

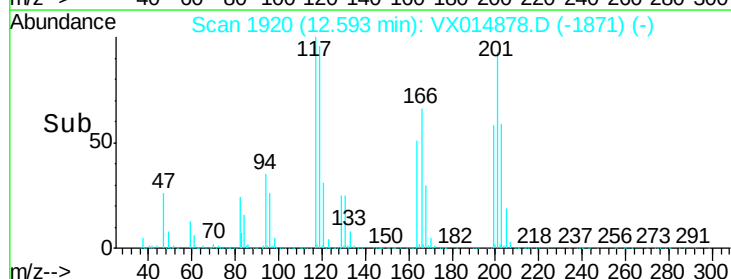
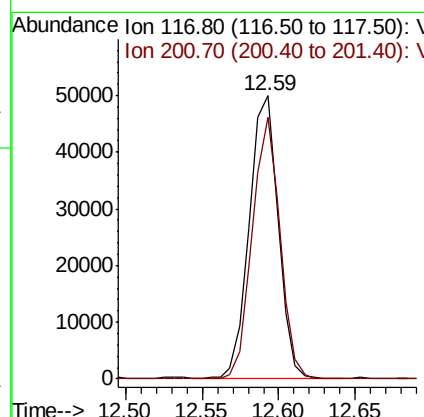
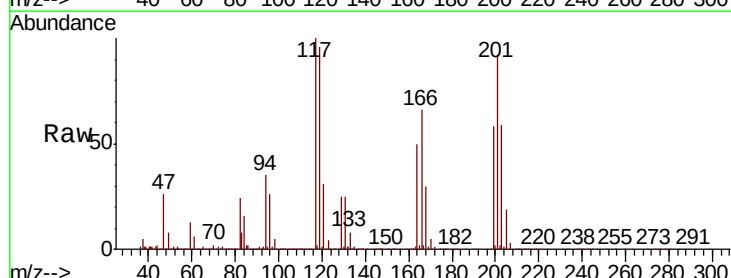
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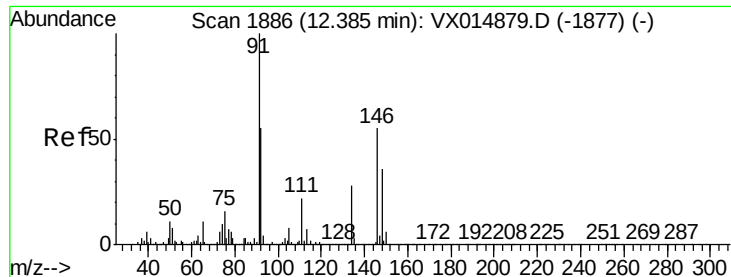
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#90
Hexachloroethane
Concen: 20.115 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	44.8	134.3





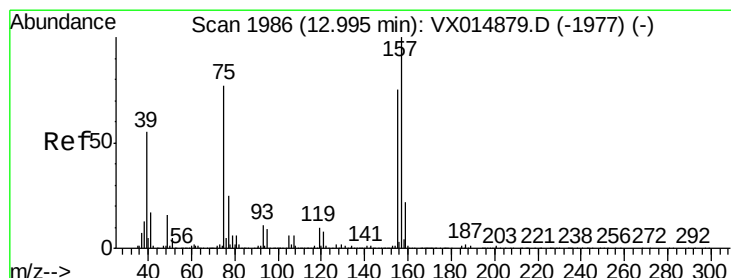
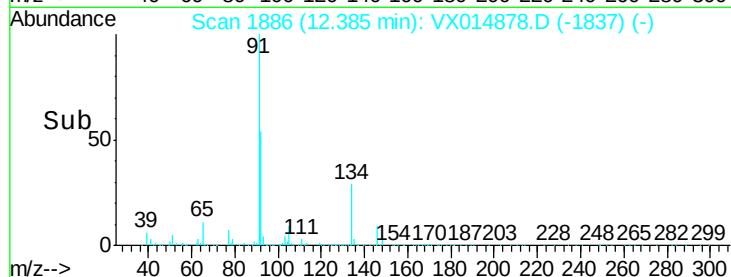
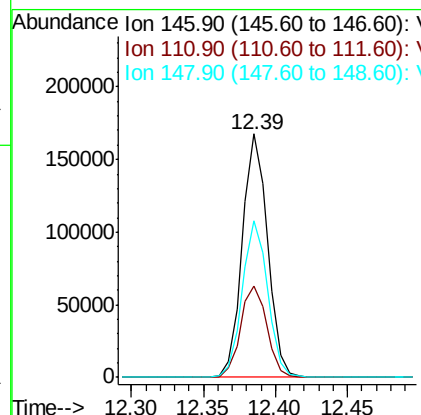
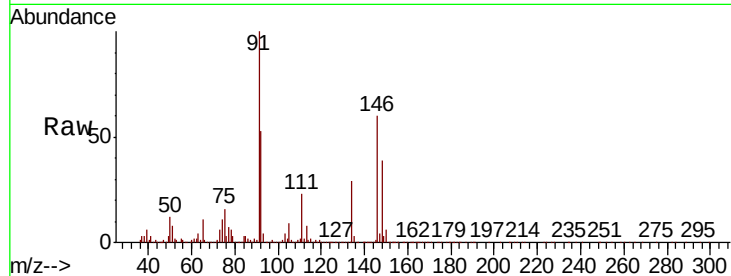
#91
 1,2-Dichlorobenzene
 Concen: 19.860 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204948		
111	39.0	19.8	59.3	
148	64.6	32.4	97.2	

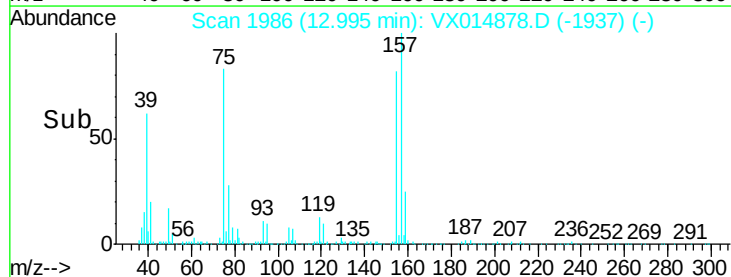
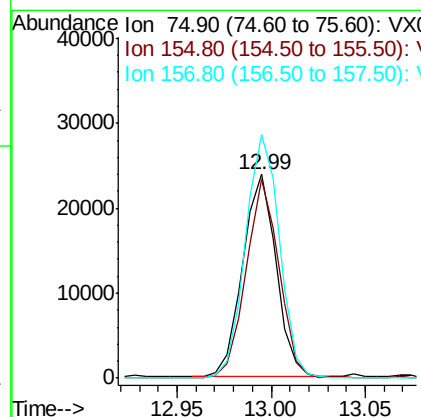
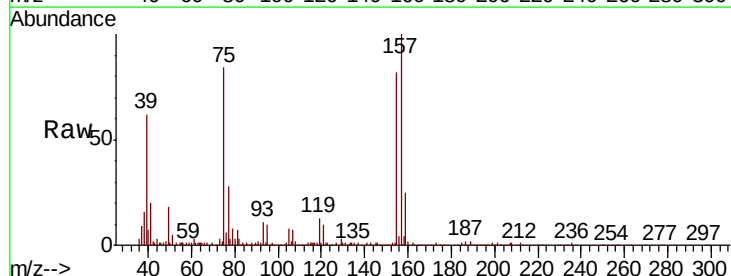
Manual Integrations
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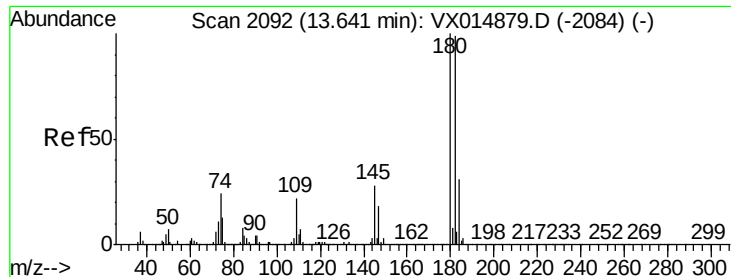
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.995 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014878.D
 Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29530		
155	96.7	48.6	145.9	
157	122.2	62.0	186.0	





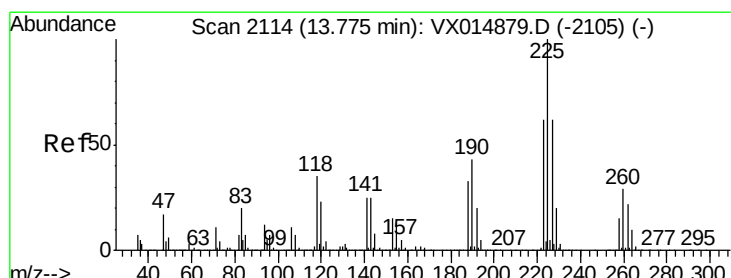
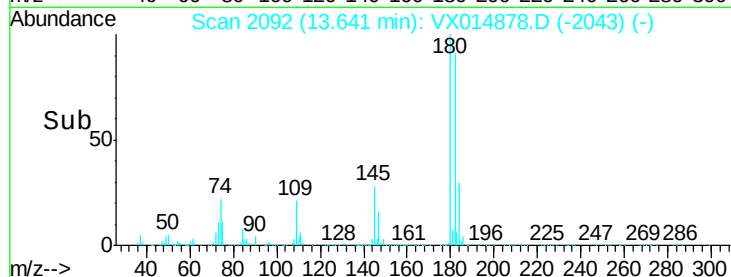
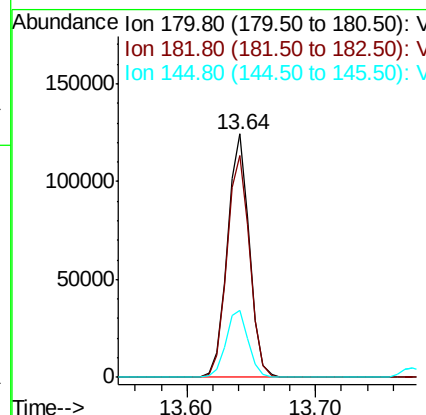
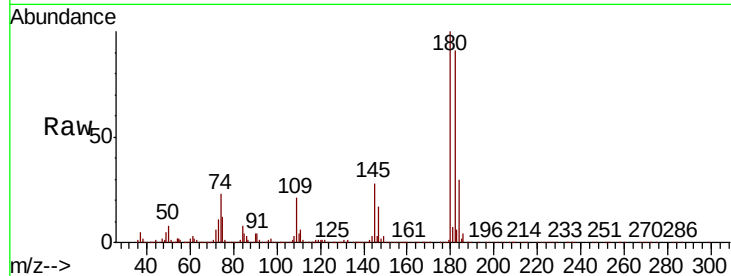
#93
1,2,4-Trichlorobenzene
Concen: 19.975 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149663		
182	94.3	48.4	145.3	
145	28.3	14.1	42.4	

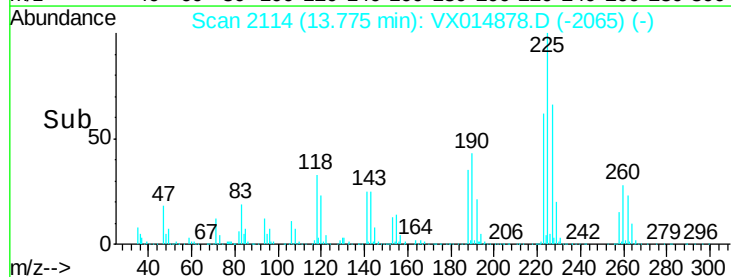
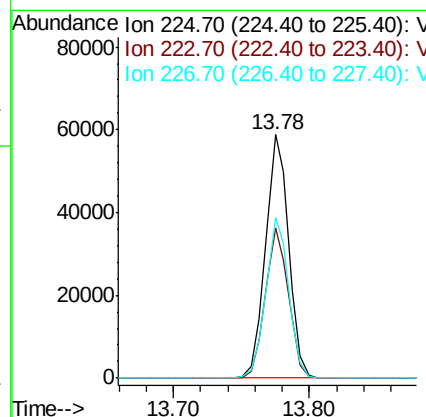
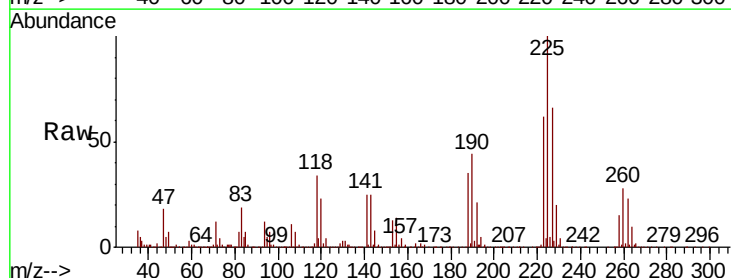
Manual Integrations
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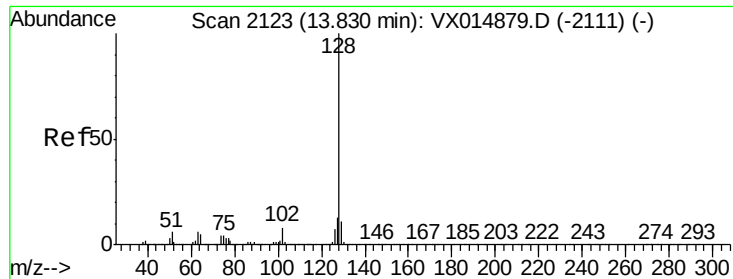
MMDadoda
2/11/2020 10:36:06 AM



#94
Hexachlorobutadiene
Concen: 19.157 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70678		
223	61.7	31.1	93.2	
227	65.2	30.9	92.5	





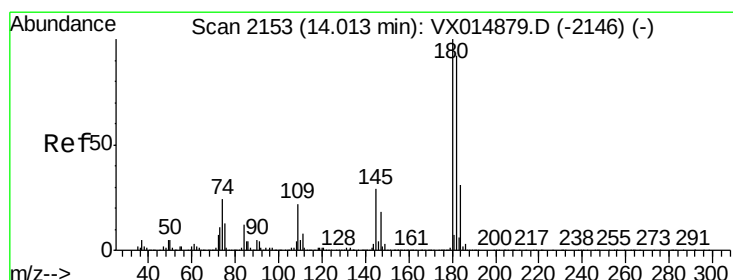
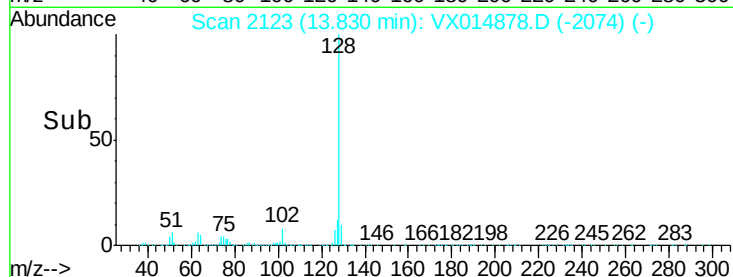
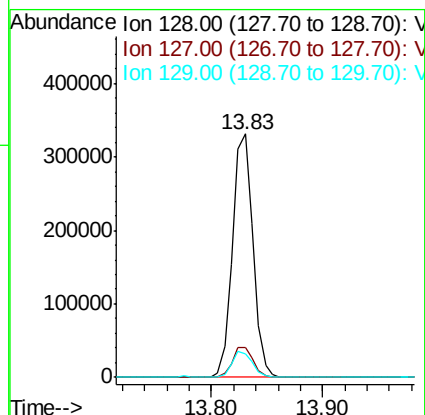
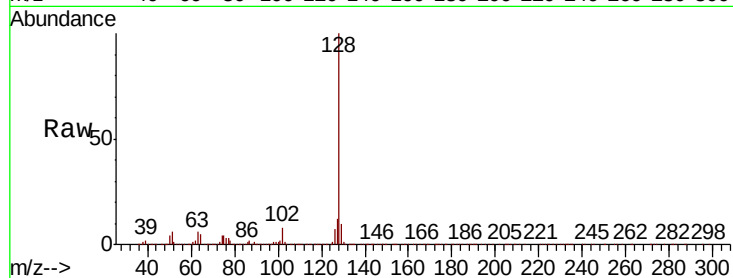
#95
Naphthalene
Concen: 21.794 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	422490		
127	12.6		10.4	15.6
129	10.6		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/11/2020 10:36:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.229 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014878.D
Acq: 10 Feb 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146910		
182	95.5		47.5	142.6
145	29.5		14.5	43.5

