

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021920\
 Data File : VX014960.D
 Acq On : 19 Feb 2020 12:00
 Operator : JC/SP
 Sample : VX0219WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Manual Integrations
 APPROVED

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 2/20/2020 1:41:31 PM

Quant Time: Feb 20 00:39:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	435941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	645689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	602068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	246319	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	5.48	113	199278	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	8.71	98	765221	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	276088	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	77560	18.787	ug/l	99
3) Chloromethane	1.32	50	87712	18.740	ug/l	100
4) Vinyl Chloride	1.40	62	90119	17.873	ug/l	97
5) Bromomethane	1.64	94	61471	18.835	ug/l	99
6) Chloroethane	1.72	64	59581	18.468	ug/l	99
7) Trichlorofluoromethane	1.93	101	129449	18.375	ug/l	99
8) Diethyl Ether	2.18	74	55873	19.126	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	78580	19.217	ug/l	98
10) Methyl Iodide	2.50	142	83983	21.182	ug/l	98
11) Tert butyl alcohol	3.02	59	87160	100.336	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73995	18.518	ug/l	99
13) Acrolein	2.28	56	43320	65.430	ug/l	97
14) Allyl chloride	2.72	41	126183	17.811	ug/l	99
15) Acrylonitrile	3.12	53	216533	98.327	ug/l	99
16) Acetone	2.43	43	223648	77.064	ug/l	100
17) Carbon Disulfide	2.56	76	189012	16.930	ug/l	100
18) Methyl Acetate	2.76	43	103308	20.849	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	253358	19.482	ug/l	98
20) Methylene Chloride	2.85	84	83741	17.694	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	79859	18.112	ug/l	98
22) Diisopropyl ether	3.84	45	266661	19.708	ug/l	92
23) Vinyl Acetate	3.80	43	1126898	101.030	ug/l	100
24) 1,1-Dichloroethane	3.69	63	144516	18.924	ug/l	98
25) 2-Butanone	4.65	43	308610	92.137	ug/l	99
26) 2,2-Dichloropropane	4.57	77	116725	17.736	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	93221	18.914	ug/l	97
28) Bromochloromethane	5.00	49	65645	22.178	ug/l	95
29) Tetrahydrofuran	5.11	42	192560	101.131	ug/l	99
30) Chloroform	5.19	83	146723	19.365	ug/l	96
31) Cyclohexane	5.57	56	126089	18.128	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	122769	18.524	ug/l	98
36) 1,1-Dichloropropene	5.79	75	106748	18.482	ug/l	99
37) Ethyl Acetate	4.81	43	115232	19.128	ug/l	98
38) Carbon Tetrachloride	5.78	117	105237	18.696	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Feb 20 00:39:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	129667	17.951	ug/l	96
40) Benzene	6.13	78	324969	18.831	ug/l	98
41) Methacrylonitrile	5.02	41	64481	19.869	ug/l	98
42) 1,2-Dichloroethane	6.18	62	121617	19.498	ug/l	100
43) Isopropyl Acetate	6.43	43	194453	19.567	ug/l	99
44) Trichloroethene	7.20	130	92877	18.539	ug/l	98
45) 1,2-Dichloropropane	7.50	63	84106	19.110	ug/l	98
46) Dibromomethane	7.65	93	57144	18.995	ug/l	97
47) Bromodichloromethane	7.89	83	114188	19.143	ug/l	96
48) Methyl methacrylate	7.76	41	96348	19.701	ug/l	100
49) 1,4-Dioxane	7.73	88	38202	417.784	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	604730	100.779	ug/l	99
52) Toluene	8.78	92	209695	19.131	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	123831	18.942	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	135918	18.820	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	87711	19.779	ug/l	98
56) Ethyl methacrylate	9.17	69	130816	19.626	ug/l	98
57) 1,3-Dichloropropane	9.36	76	146340	19.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	353524	101.414	ug/l	99
59) 2-Hexanone	9.48	43	460725	97.683	ug/l	99
60) Dibromochloromethane	9.57	129	91960	19.270	ug/l	99
61) 1,2-Dibromoethane	9.67	107	90813	18.980	ug/l	99
64) Tetrachloroethene	9.33	164	97710	17.358	ug/l	98
65) Chlorobenzene	10.13	112	229497	18.793	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	86251	19.455	ug/l	98
67) Ethyl Benzene	10.25	91	394160	18.979	ug/l	99
68) m/p-Xylenes	10.35	106	304116	38.012	ug/l	99
69) o-Xylene	10.69	106	144721	18.818	ug/l	99
70) Styrene	10.71	104	250059	19.220	ug/l	99
71) Bromoform	10.85	173	69119	18.678	ug/l	100
73) Isopropylbenzene	11.01	105	396794	19.804	ug/l	100
74) N-amyl acetate	10.89	43	162177	19.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	129034	19.701	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	109471m	18.948	ug/l	
77) Bromobenzene	11.25	156	105301	18.830	ug/l	99
78) n-propylbenzene	11.35	91	443319	19.130	ug/l	99
79) 2-Chlorotoluene	11.42	91	262605	19.276	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	326783	19.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40934	18.135	ug/l	94
82) 4-Chlorotoluene	11.51	91	307455	19.057	ug/l	100
83) tert-Butylbenzene	11.76	119	313133	19.752	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	328863	19.492	ug/l	99
85) sec-Butylbenzene	11.94	105	382844	19.439	ug/l	99
86) p-Isopropyltoluene	12.06	119	357655	19.407	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188936	18.833	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	191063	18.649	ug/l	99
89) n-Butylbenzene	12.39	91	303930	18.414	ug/l	100
90) Hexachloroethane	12.59	117	61221	19.022	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	188335	19.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	27150	17.669	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

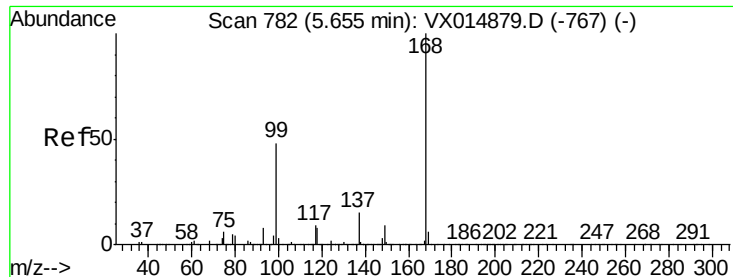
Manual Integrations
APPROVED

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2/20/2020 1:41:31 PM

Quant Time: Feb 20 00:39:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	135138	18.609	ug/l	99
94) Hexachlorobutadiene	13.78	225	67566	19.236	ug/l	99
95) Naphthalene	13.83	128	380288	19.696	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	135310	19.286	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion:168 Resp: 435941

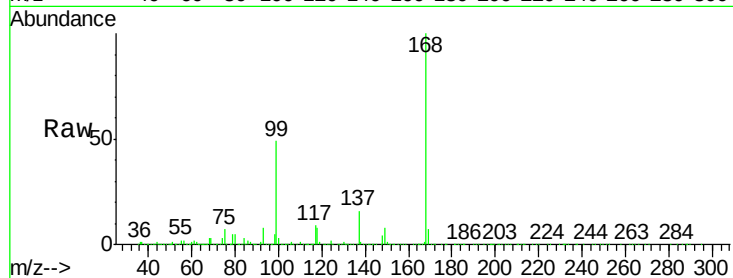
Ion Ratio Lower Upper

168 100

99 49.0 38.7 58.1

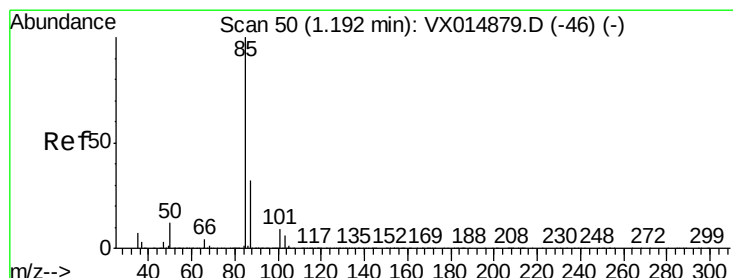
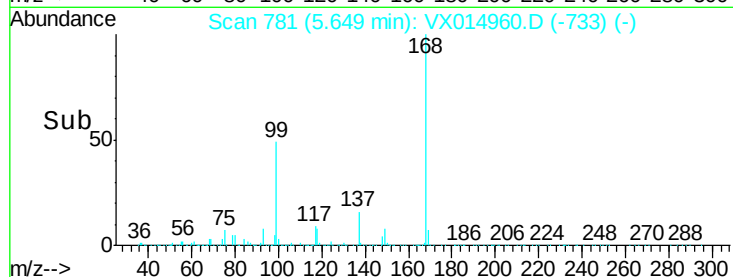
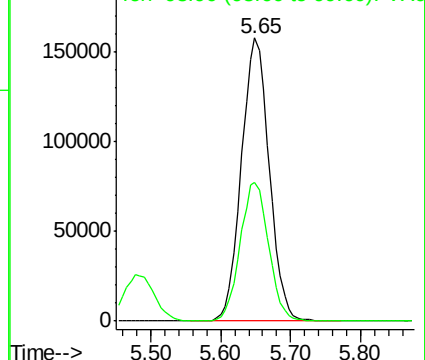
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.787 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX014960.D

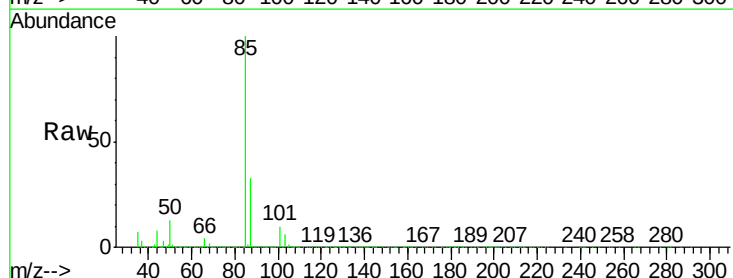
Acq: 19 Feb 2020 12:00

Tgt Ion: 85 Resp: 77560

Ion Ratio Lower Upper

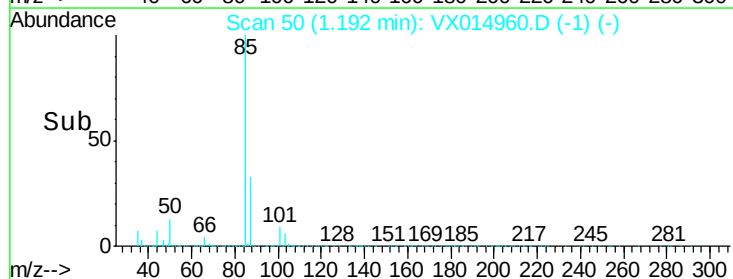
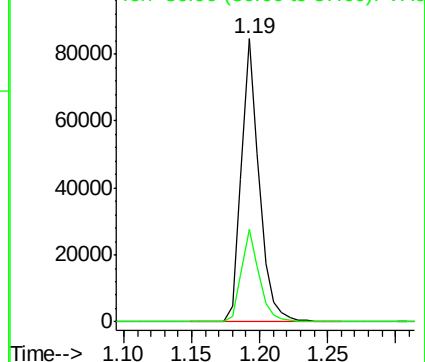
85 100

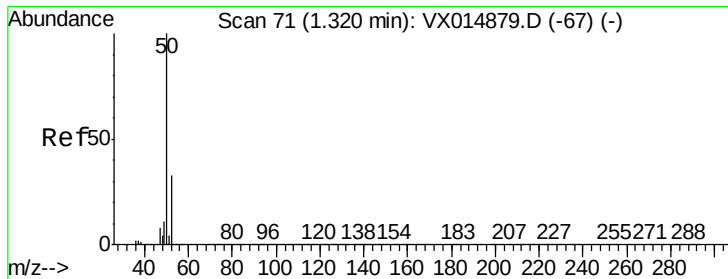
87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.740 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 50 Resp: 87712

Ion Ratio Lower Upper

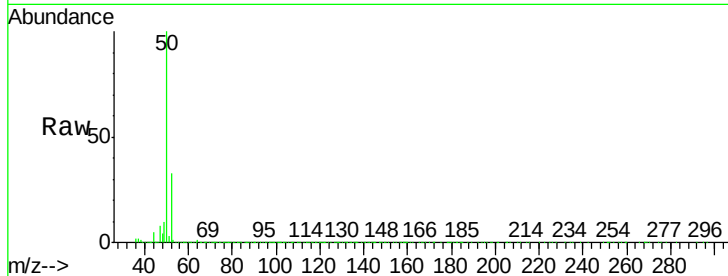
50 100

52 32.5 26.2 39.2

Manual Integrations
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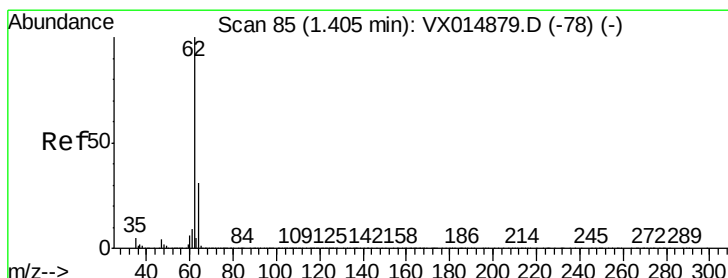
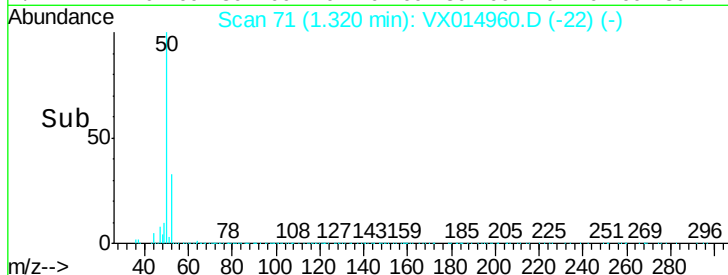
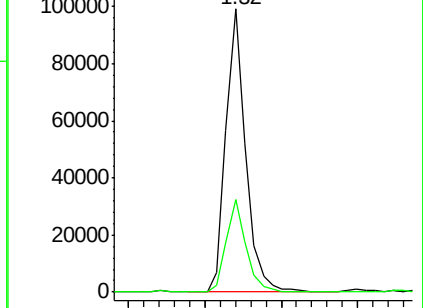
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.873 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX014960.D

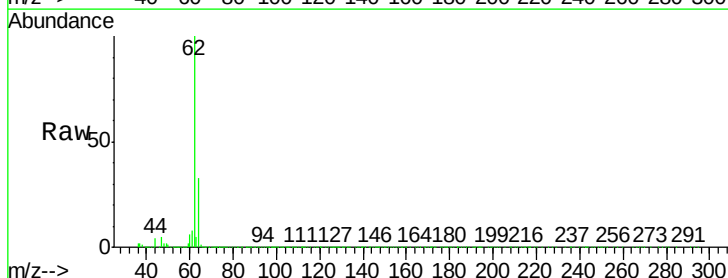
Acq: 19 Feb 2020 12:00

Tgt Ion: 62 Resp: 90119

Ion Ratio Lower Upper

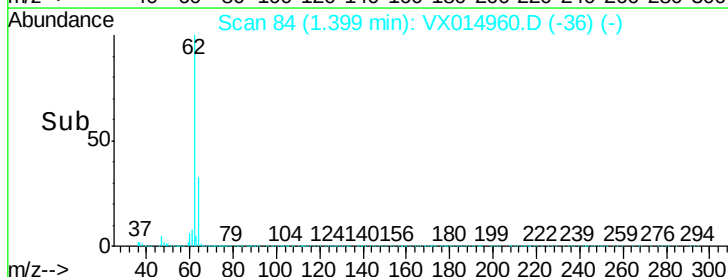
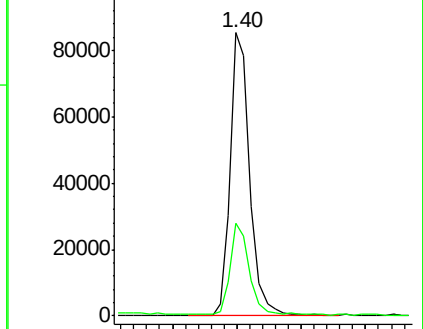
62 100

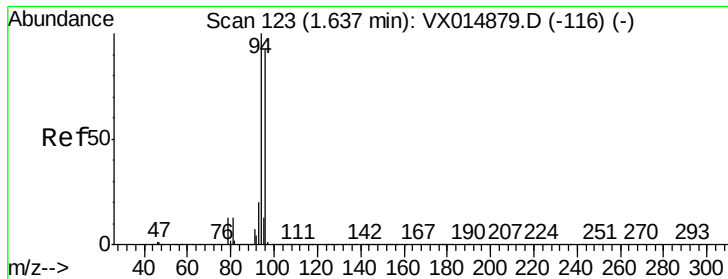
64 32.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.835 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 94 Resp: 61471

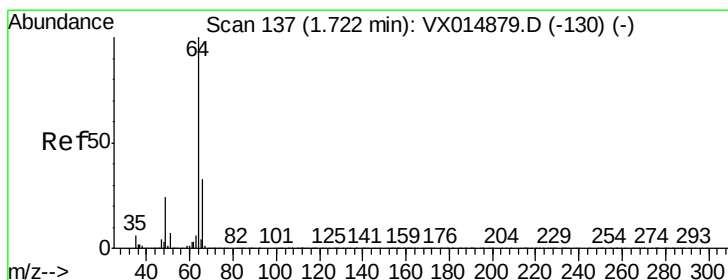
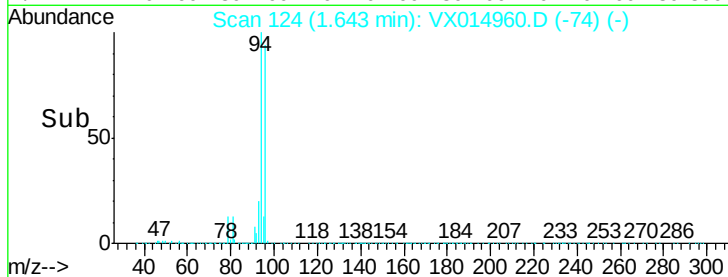
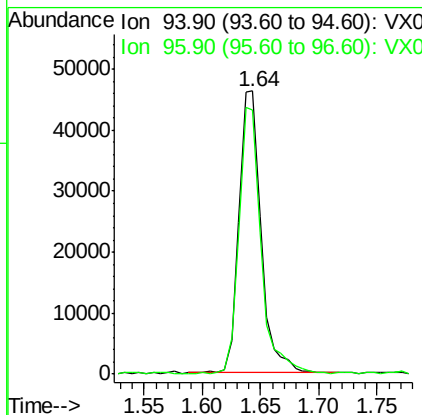
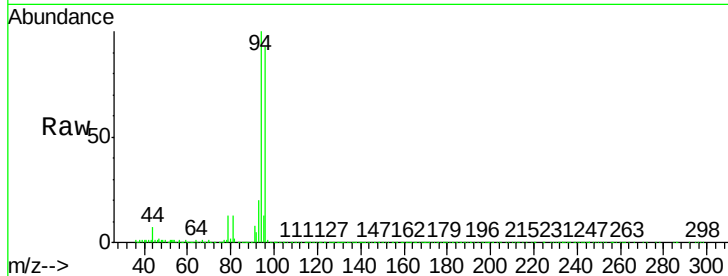
Ion Ratio Lower Upper

94 100

96 93.3 73.7 110.5

Manual Integrations
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#6

Chloroethane

Concen: 18.468 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX014960.D

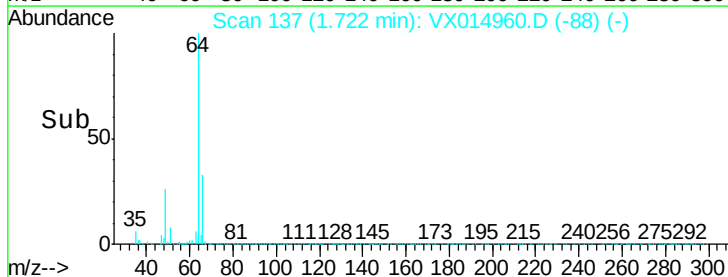
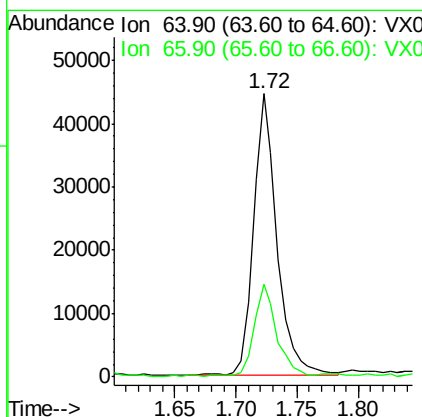
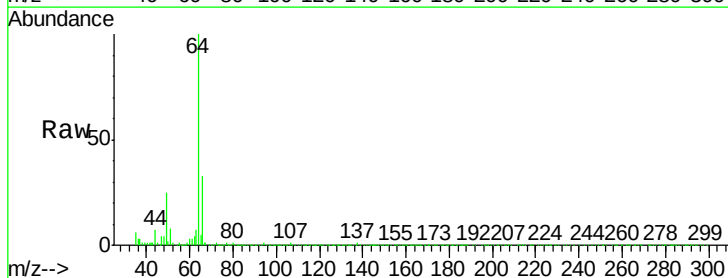
Acq: 19 Feb 2020 12:00

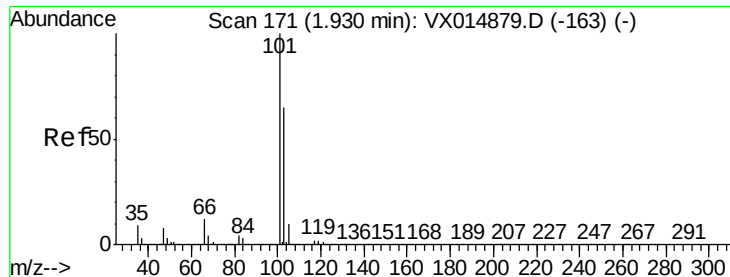
Tgt Ion: 64 Resp: 59581

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.4





#7

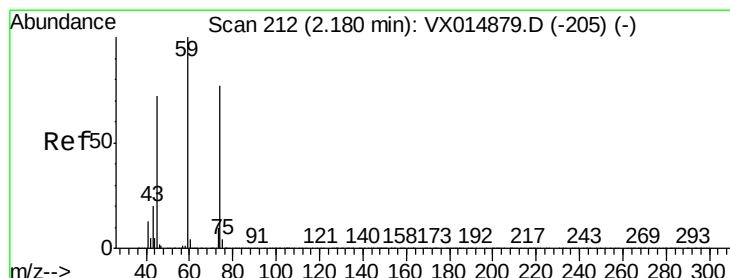
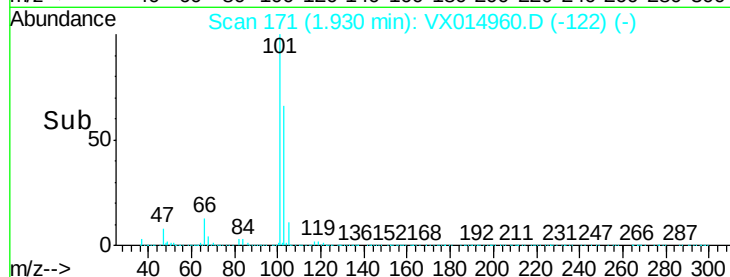
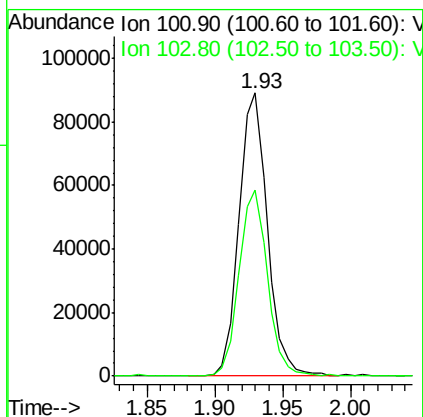
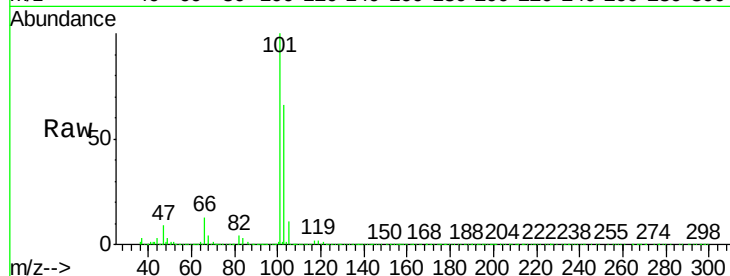
Trichlorofluoromethane
 Concen: 18.375 ug/l
 RT: 1.93 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.2	78.4

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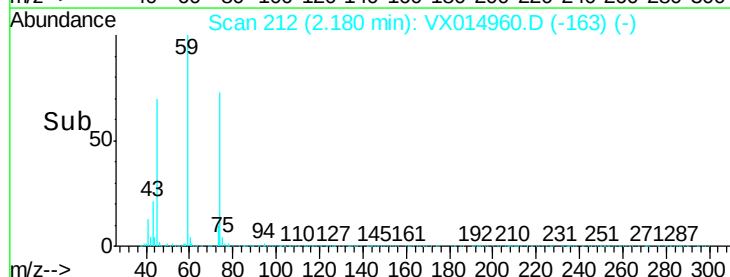
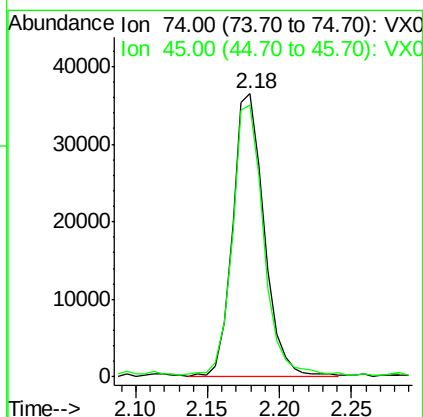
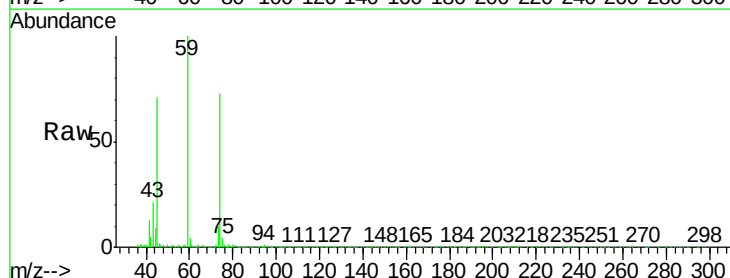
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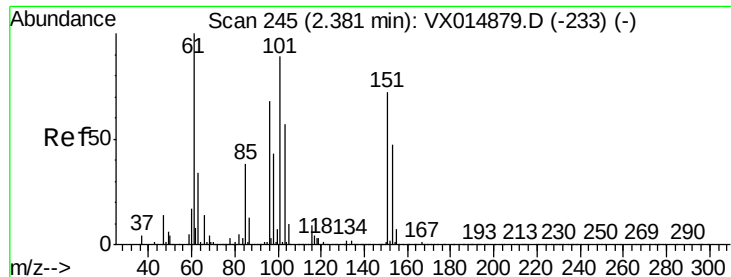


#8

Diethyl Ether
 Concen: 19.126 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.217 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

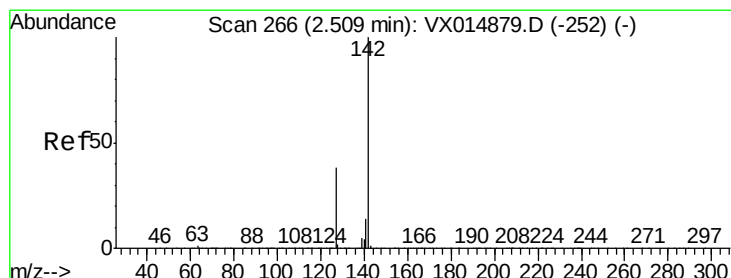
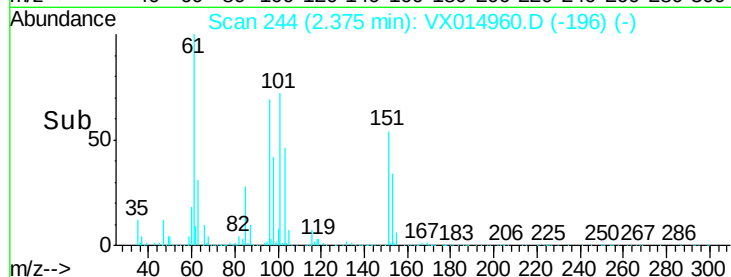
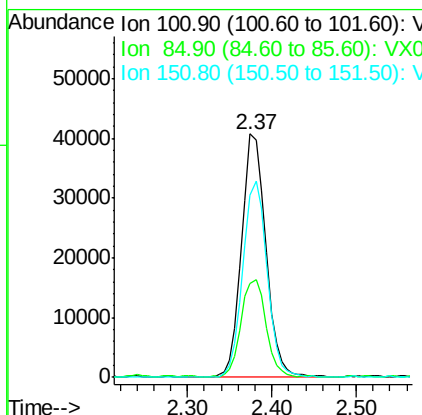
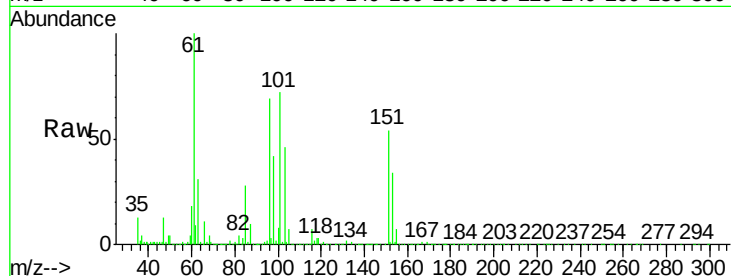
ClientSampleId :

VX0219WBSD01

Tot Ion:	101	Resp:	78580
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.1	51.1
151	81.1	67.3	100.9

Manual Integrations
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#10

Methyl Iodide

Concen: 21.182 ug/l

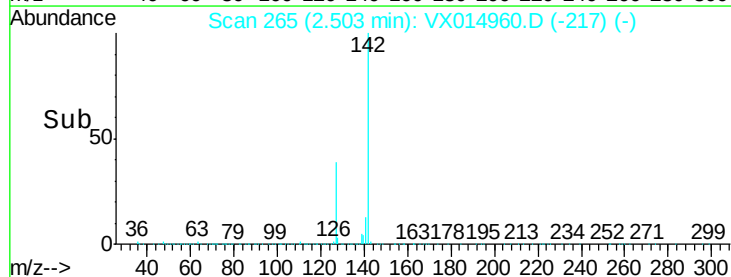
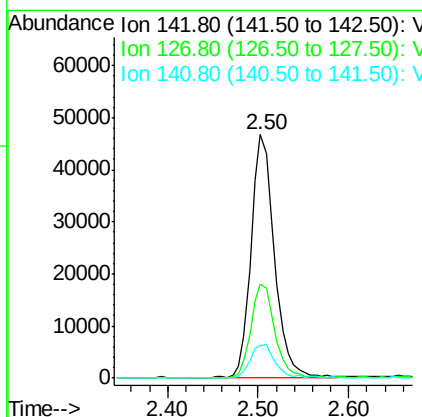
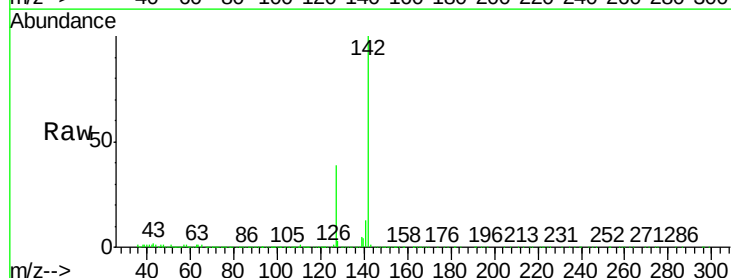
RT: 2.50 min Scan# 265

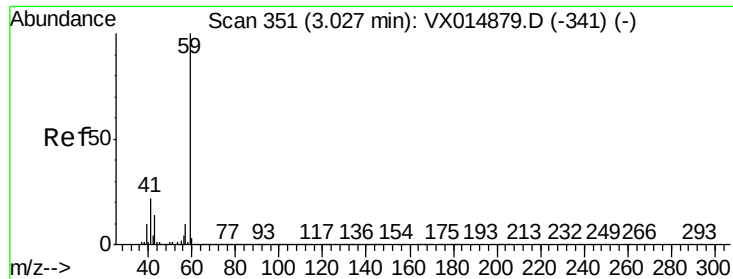
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	142	Resp:	83983
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.1	46.7
141	15.1	11.3	16.9





#11

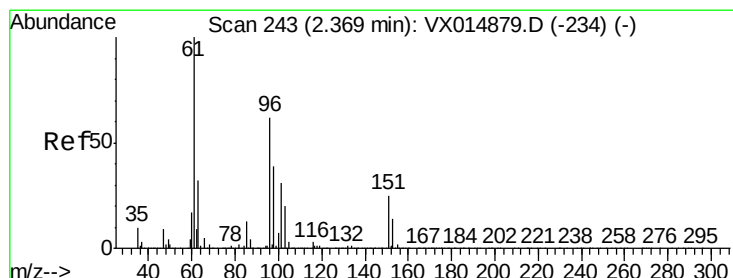
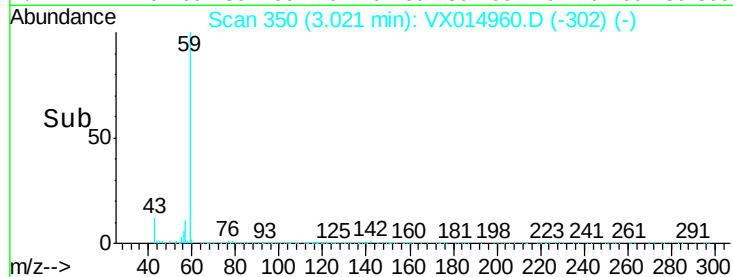
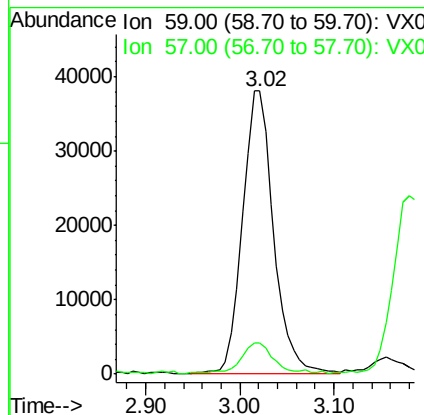
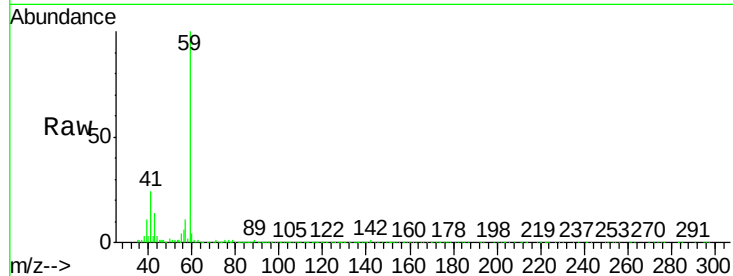
Tert butyl alcohol
Concen: 100.336 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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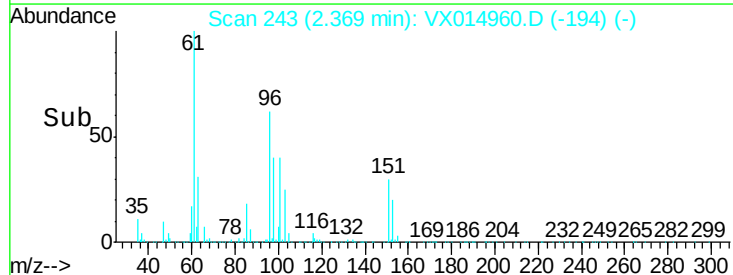
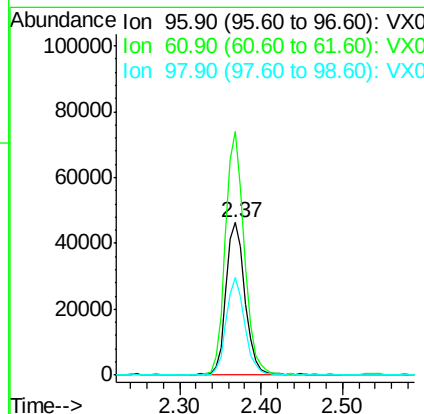
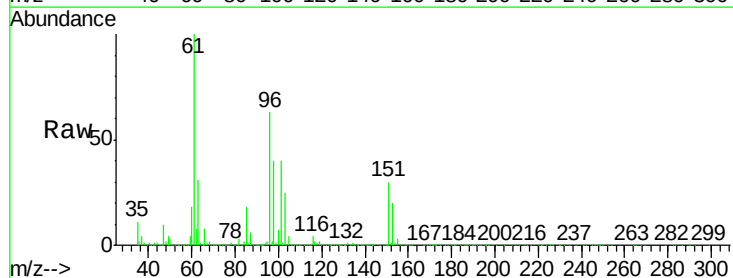
MMDadoda
2/20/2020 1:41:31 PM

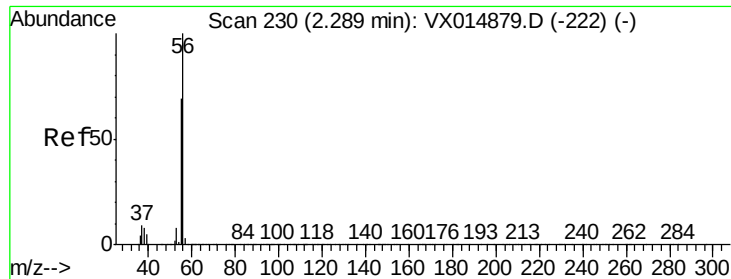


#12

1,1-Dichloroethene
Concen: 18.518 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	129.5	194.3
98	64.2	50.6	76.0





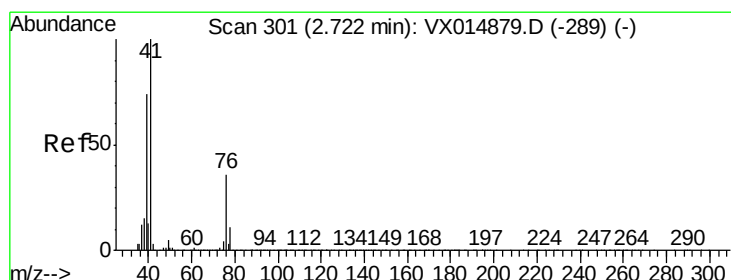
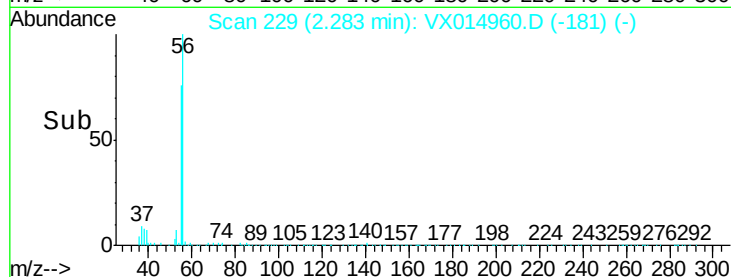
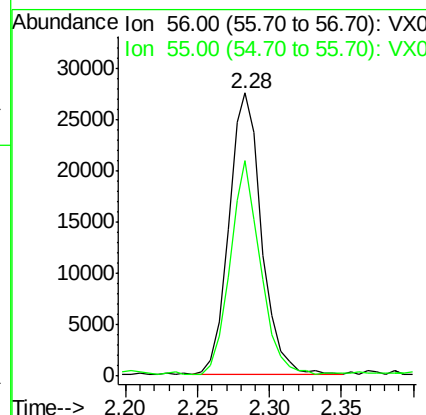
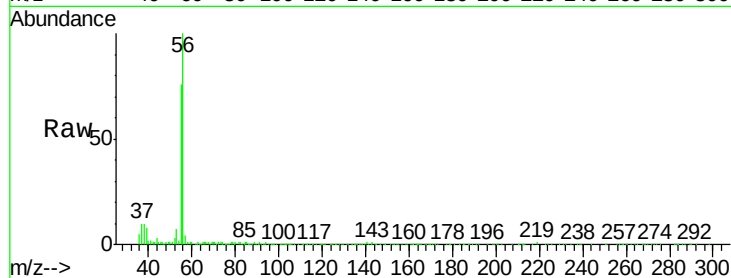
#13
Acrolein
Concen: 65.430 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.0	82.4

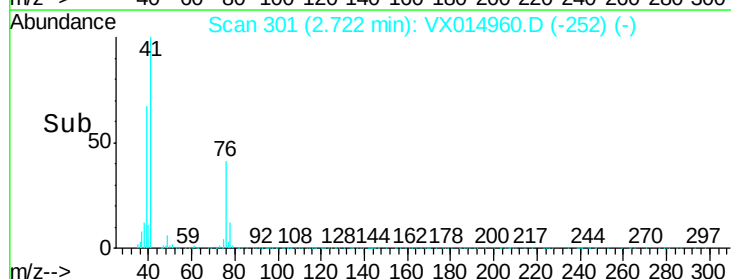
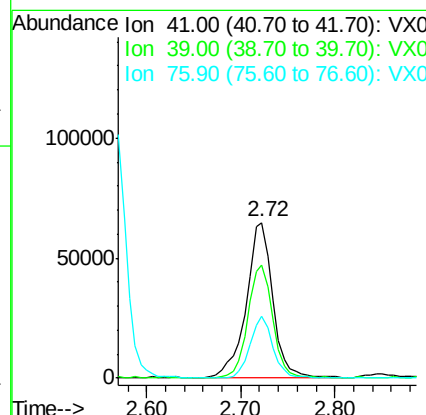
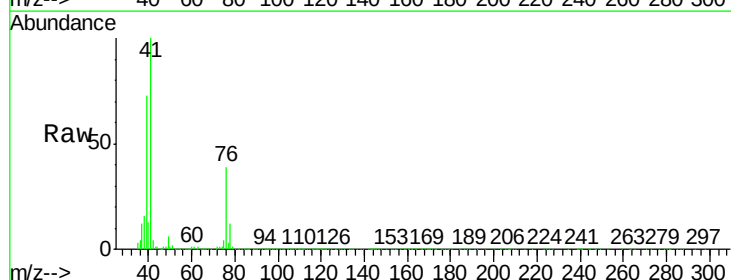
Manual Integrations
APPROVED

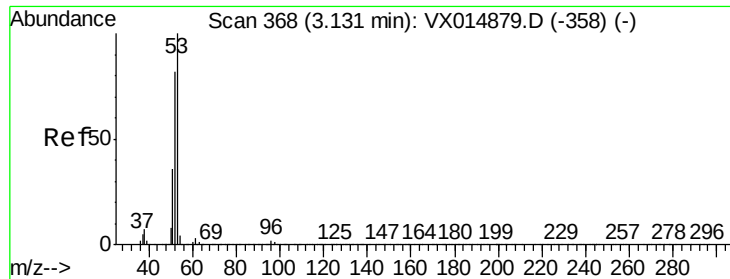
MMDadoda
2/20/2020 1:41:31 PM



#14
Allyl chloride
Concen: 17.811 ug/l
RT: 2.72 min Scan# 301
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.0	55.2	82.8
76	35.0	26.8	40.2





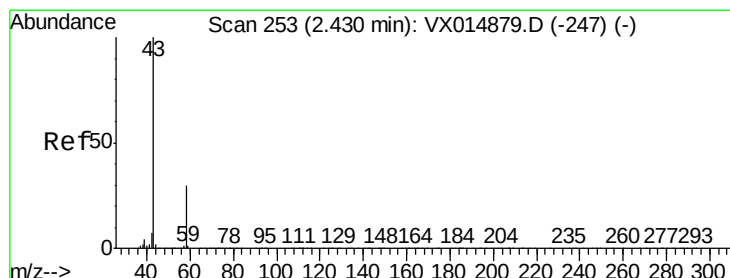
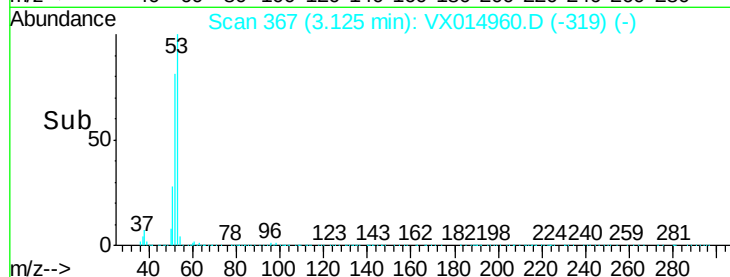
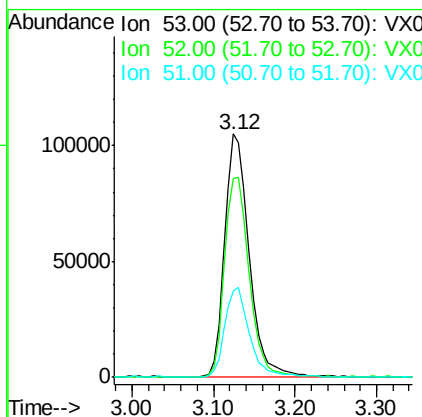
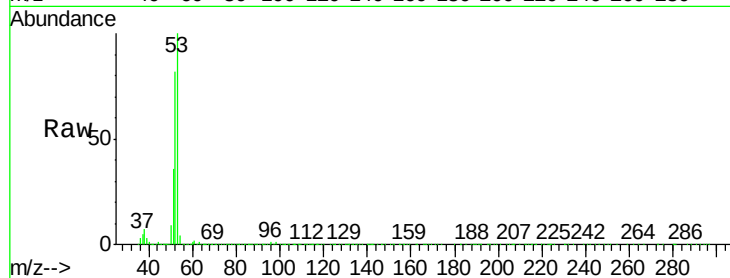
#15
 Acrylonitrile
 Concen: 98.327 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Tot Ion:	53	Resp:	216533
Ion Ratio	Lower	Upper	
53	100		
52	83.1	65.8	98.6
51	36.5	29.1	43.7

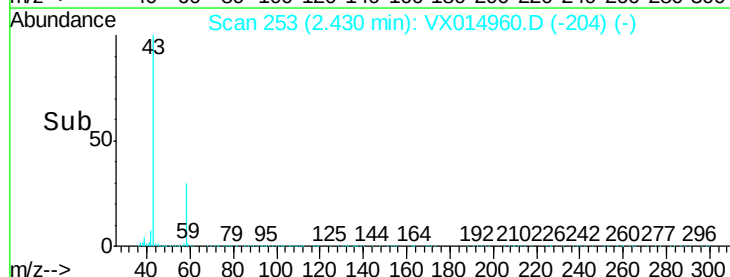
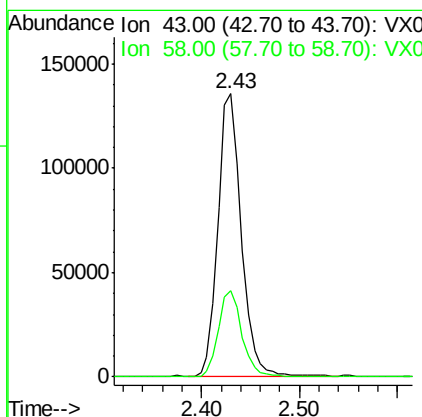
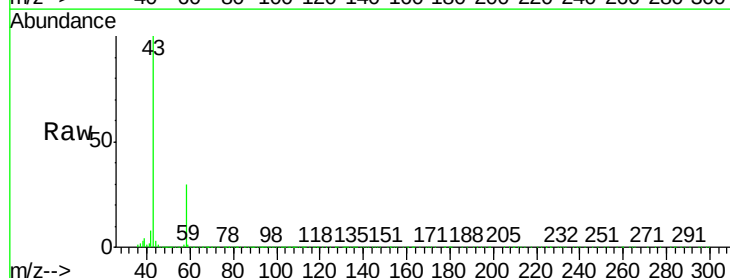
Manual Integrations
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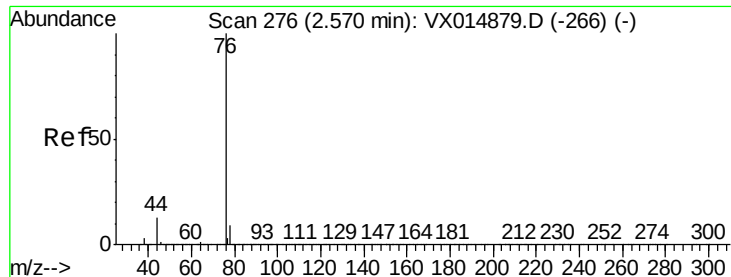
MMDadoda
 2/20/2020 1:41:31 PM



#16
 Acetone
 Concen: 77.064 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion:	43	Resp:	223648
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.1	36.1





#17

Carbon Disulfide

Concen: 16.930 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 76 Resp: 189012

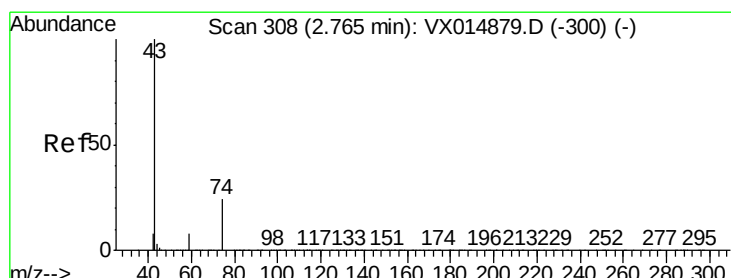
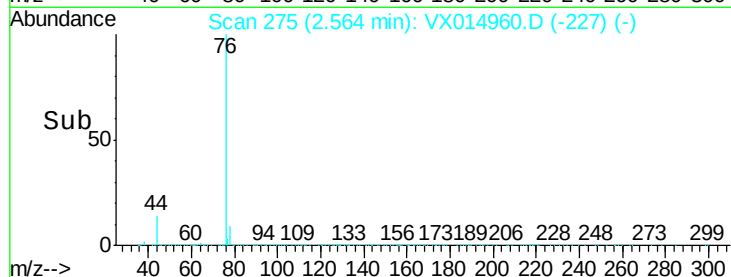
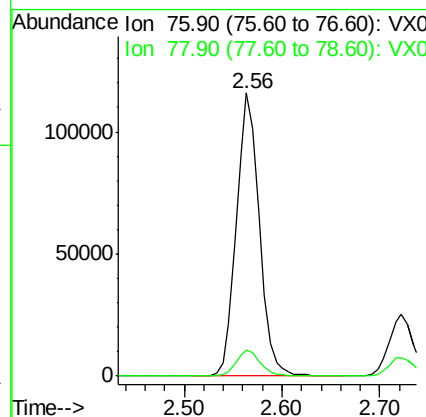
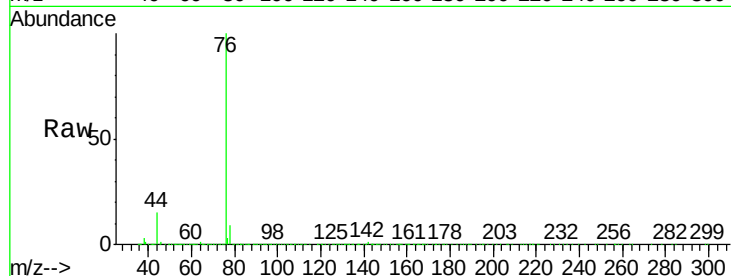
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

Manual Integrations
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#18

Methyl Acetate

Concen: 20.849 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014960.D

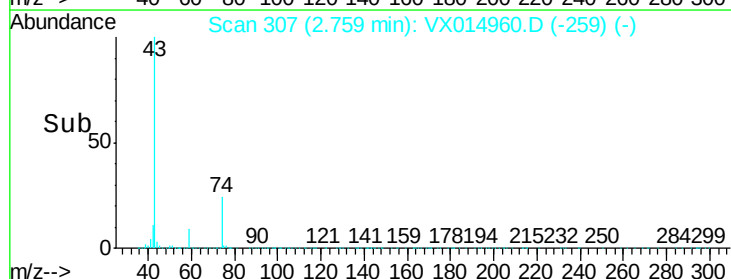
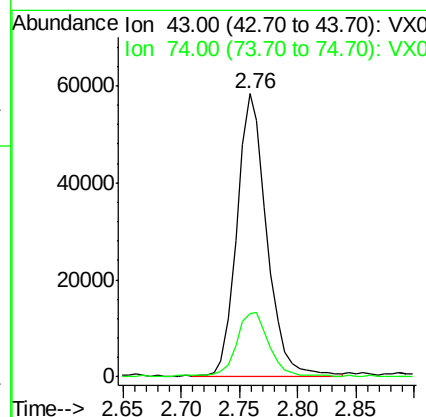
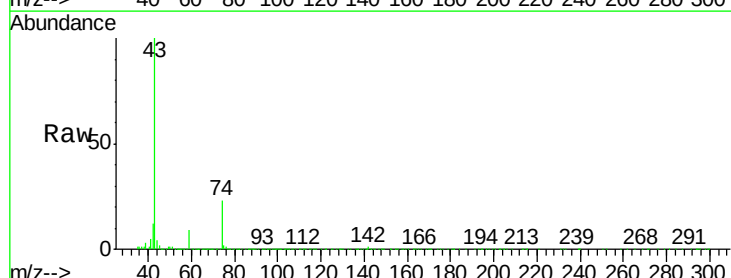
Acq: 19 Feb 2020 12:00

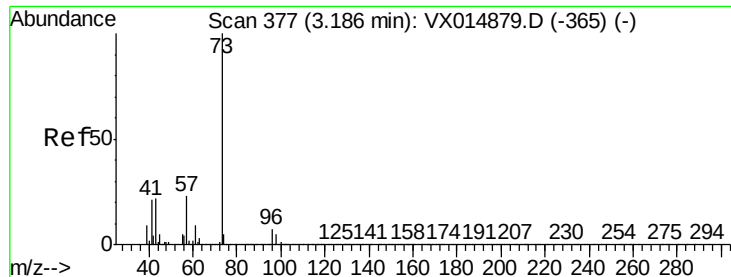
Tgt Ion: 43 Resp: 103308

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.0





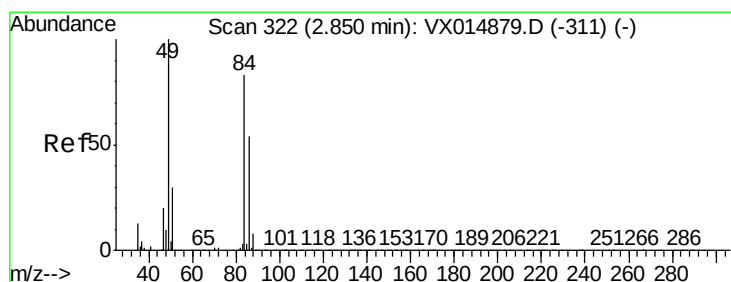
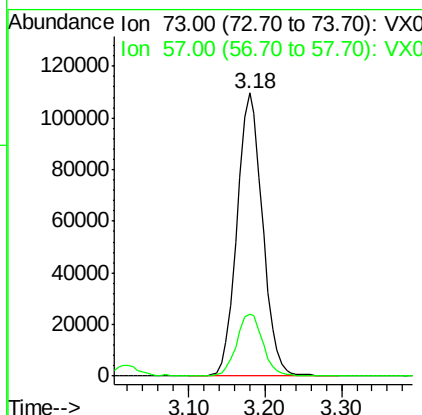
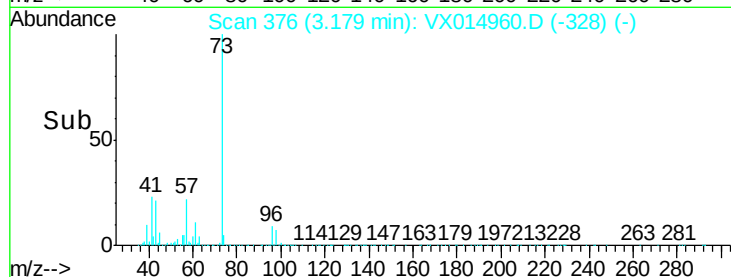
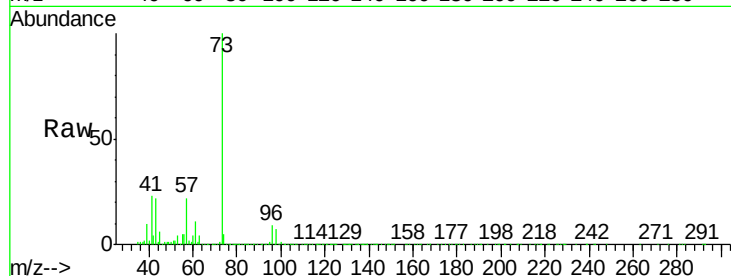
#19
Methyl tert-butyl Ether
Concen: 19.482 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.2	27.4

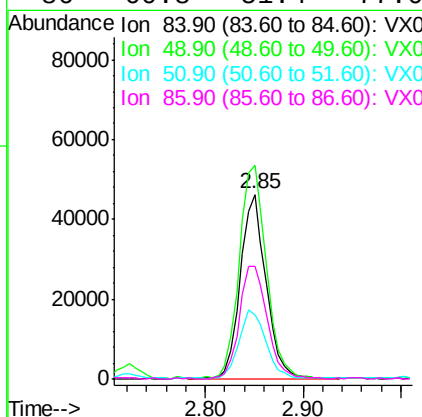
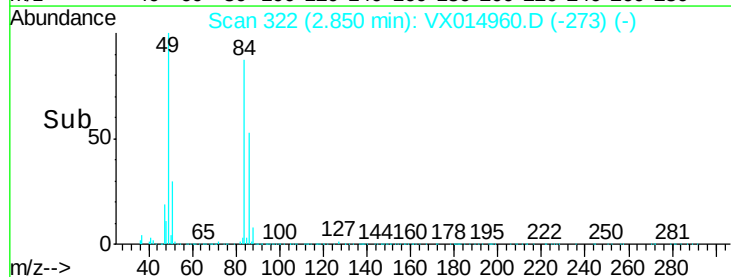
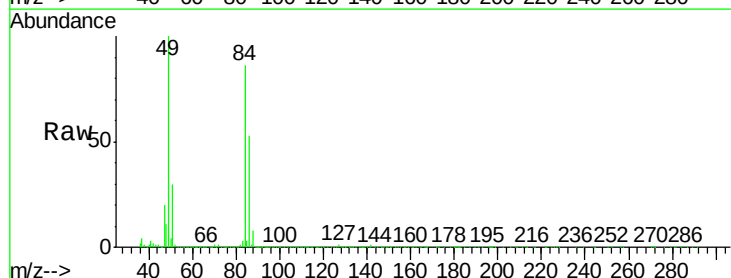
Manual Integrations
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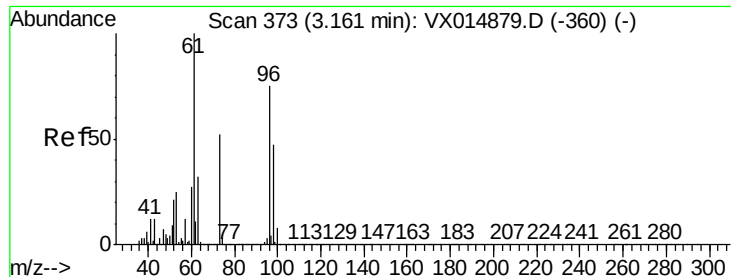
MMDadoda
2/20/2020 1:41:31 PM



#20
Methylene Chloride
Concen: 17.694 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	95.6	143.4
51	34.5	29.0	43.6
86	60.8	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.112 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

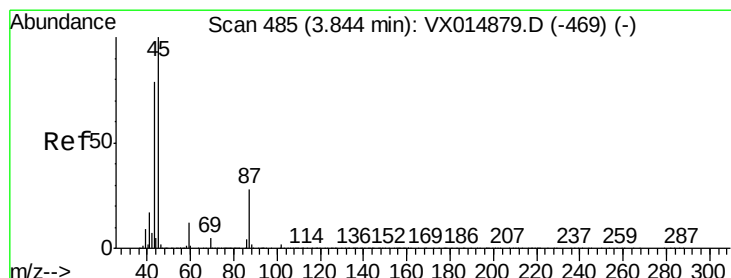
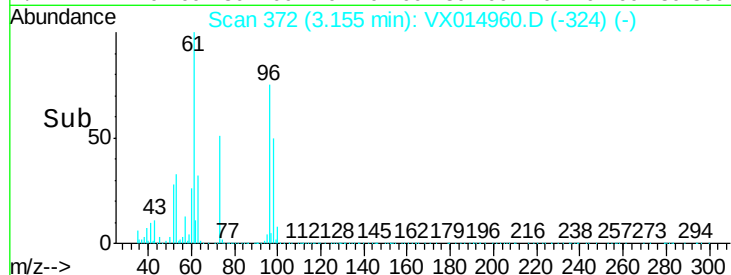
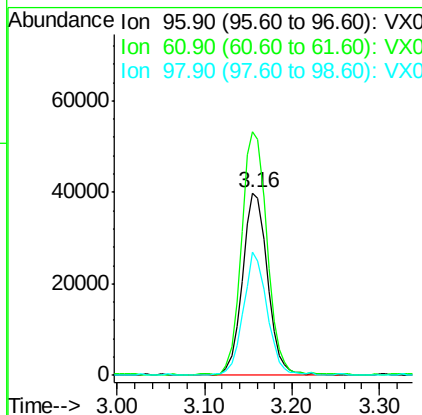
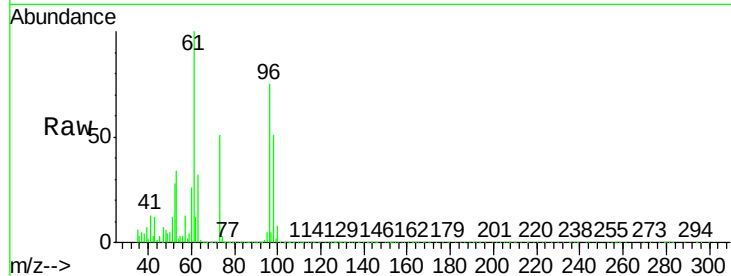
ClientSampleId :

VX0219WBSD01

Tot Ion:	96	Resp:	79859
Ion Ratio	Lower	Upper	
96	100		
61	133.3	106.9	160.3
98	67.0	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.708 ug/l

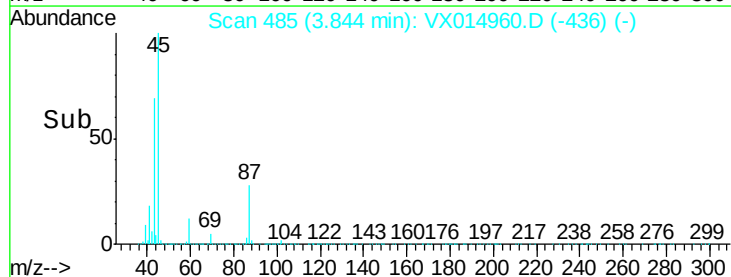
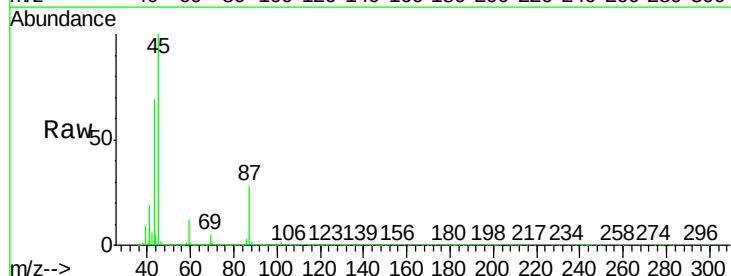
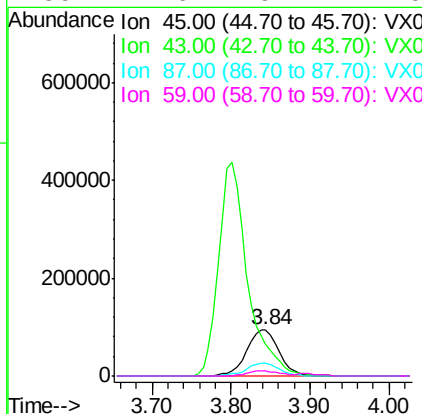
RT: 3.84 min Scan# 485

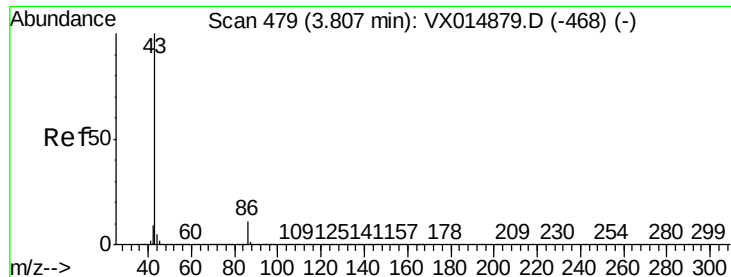
Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	45	Resp:	266661
Ion Ratio	Lower	Upper	
45	100		
43	68.8	63.5	95.3
87	28.0	22.2	33.4
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 101.030 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 43 Resp: 1126898

Ion Ratio Lower Upper

43 100

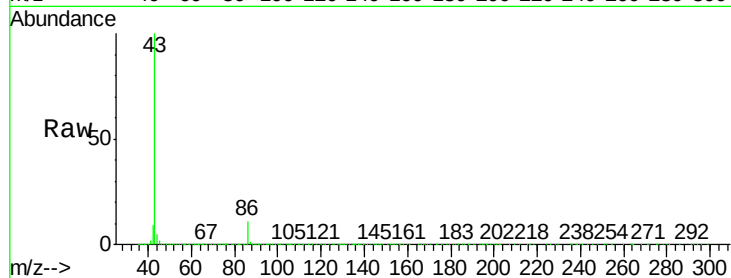
86 11.0 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

400000

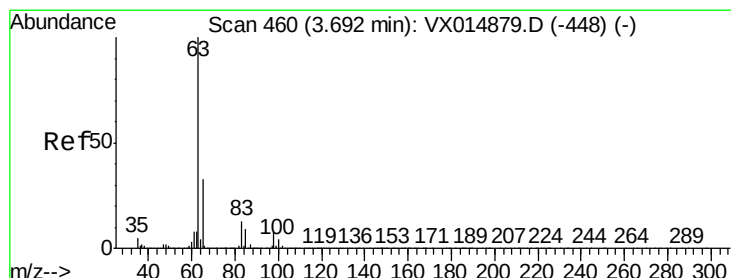
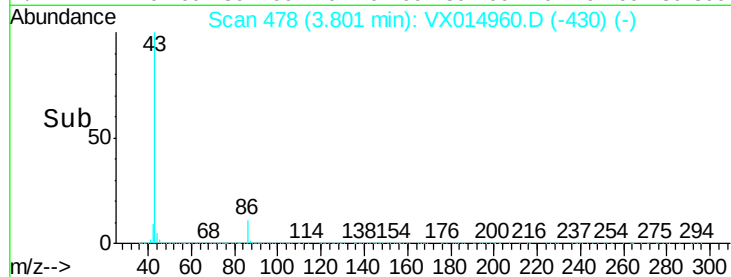
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.924 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

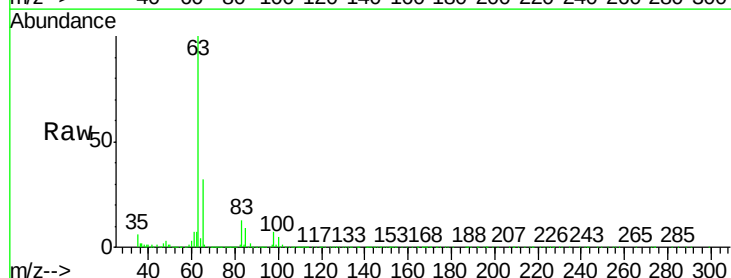
Tgt Ion: 63 Resp: 144516

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

80000

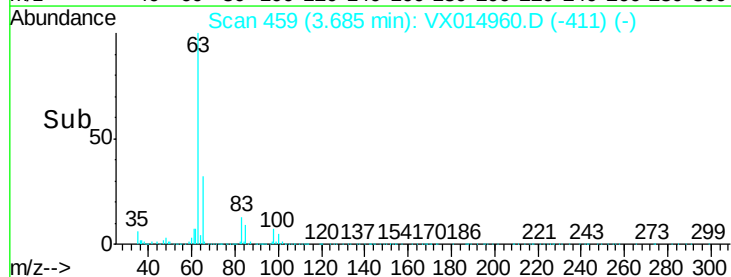
60000

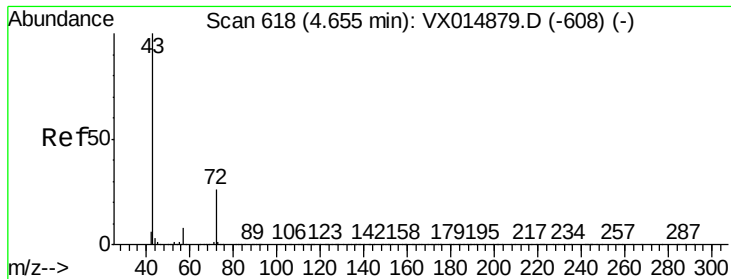
40000

20000

0

Time-->





#25

2-Butanone

Concen: 92.137 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 43 Resp: 308610

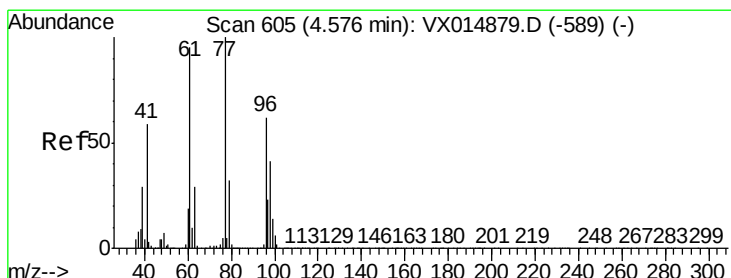
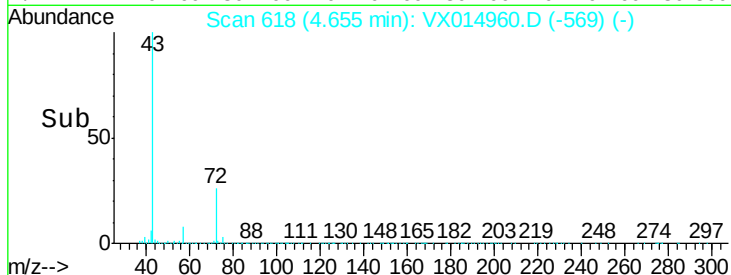
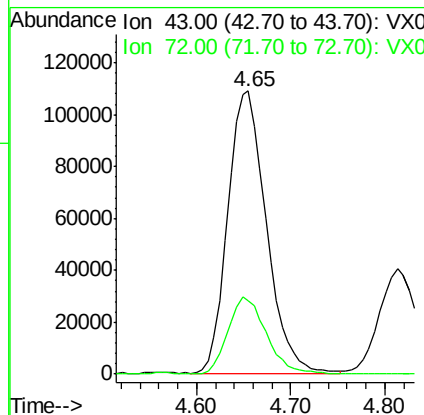
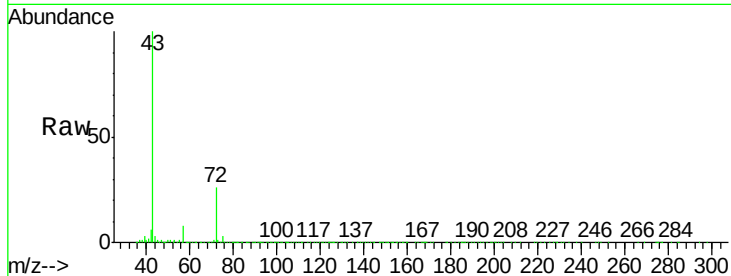
Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.6

Manual Integrations
APPROVED

MMDadoda
2/20/2020 1:41:31 PM



#26

2,2-Dichloropropane

Concen: 17.736 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014960.D

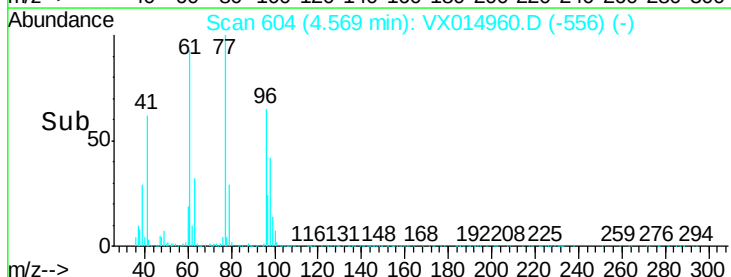
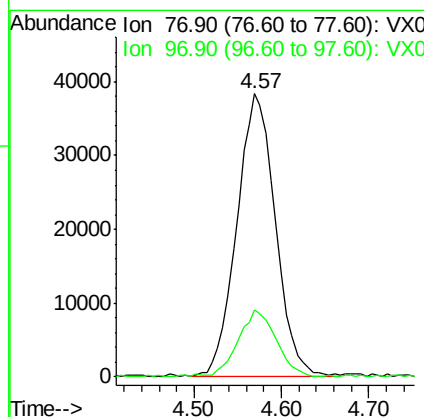
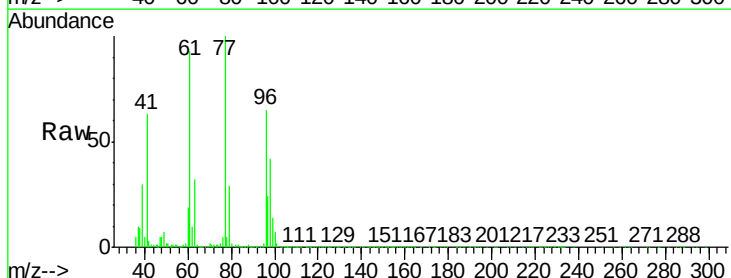
Acq: 19 Feb 2020 12:00

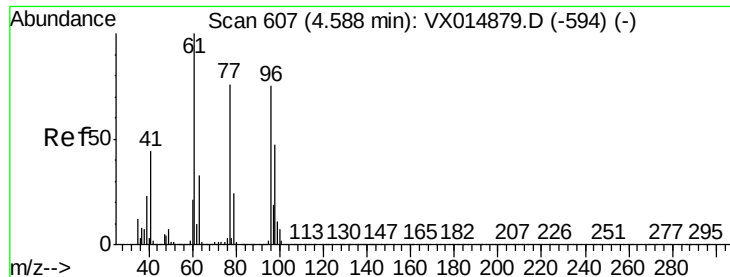
Tgt Ion: 77 Resp: 116725

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





#27

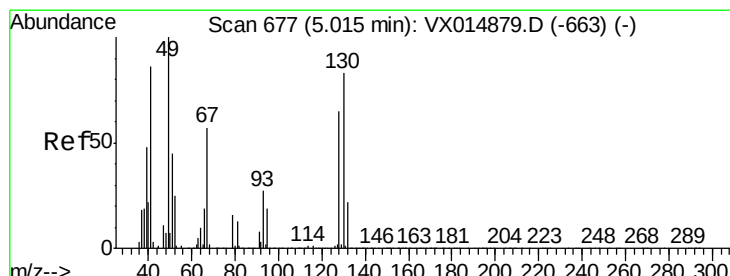
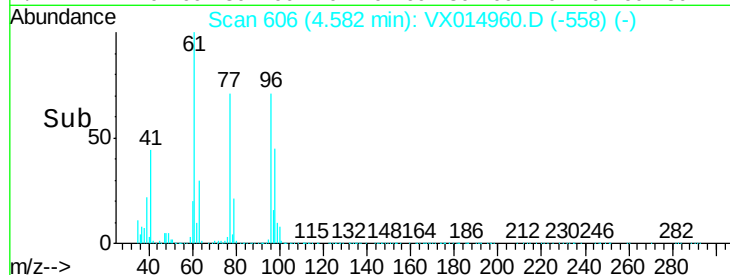
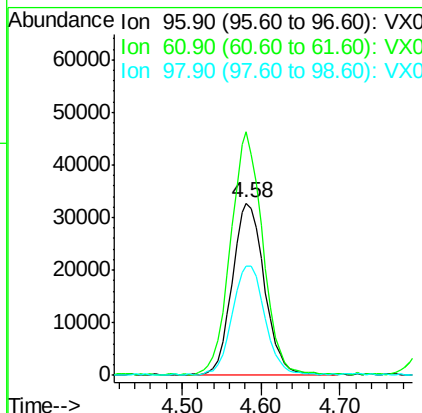
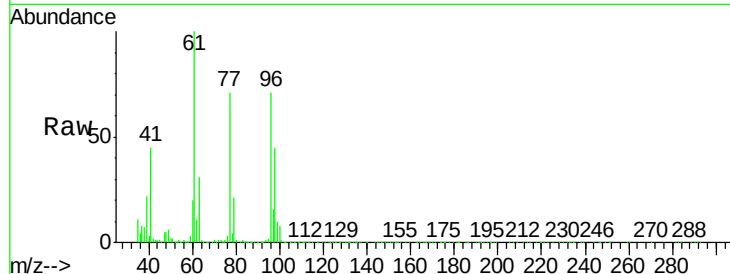
cis-1,2-Dichloroethene
Concen: 18.914 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	286.2
98	63.7	0.0	131.0

Manual Integrations
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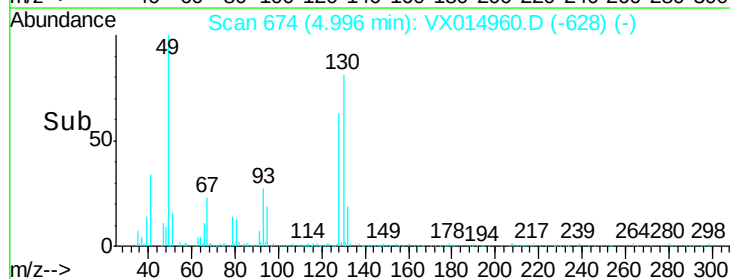
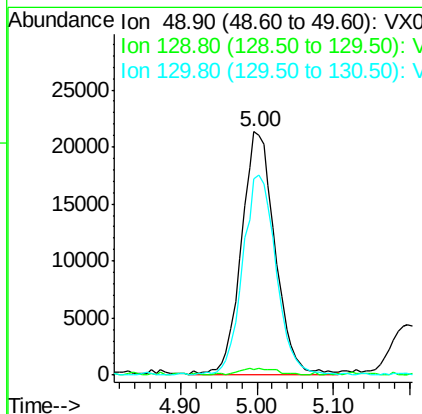
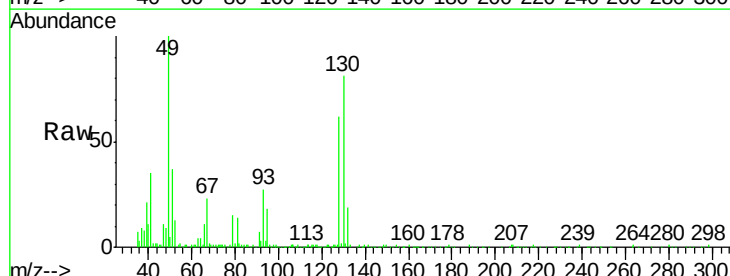
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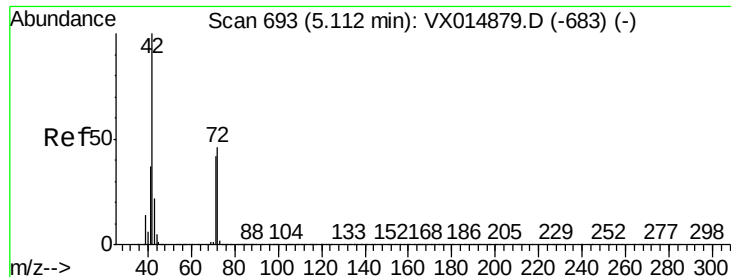


#28

Bromochloromethane
Concen: 22.178 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.02 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.2
130	80.2	67.4	101.2





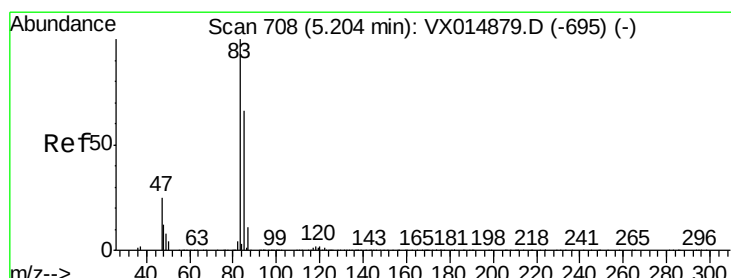
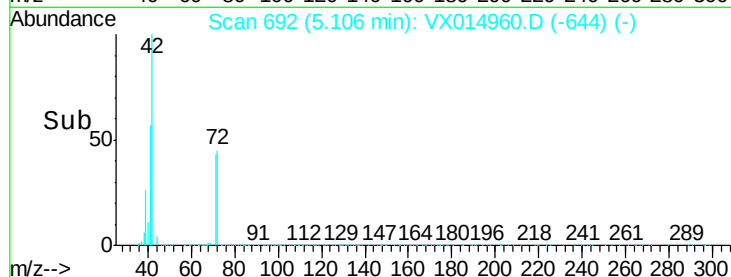
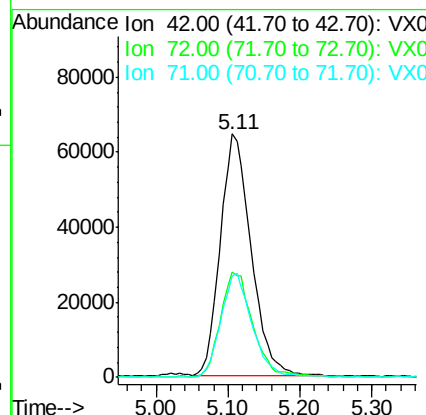
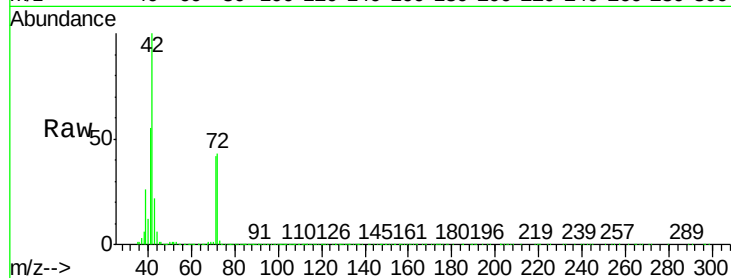
#29
Tetrahydrofuran
Concen: 101.131 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.9	55.3
71	43.4	34.1	51.1

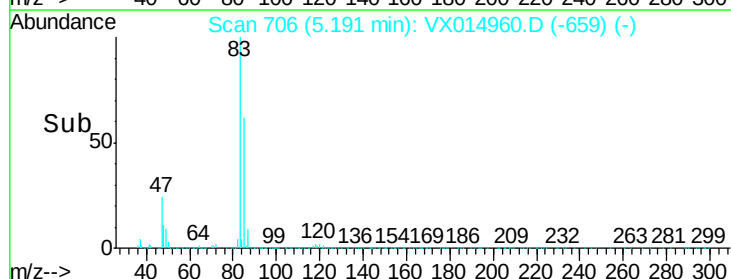
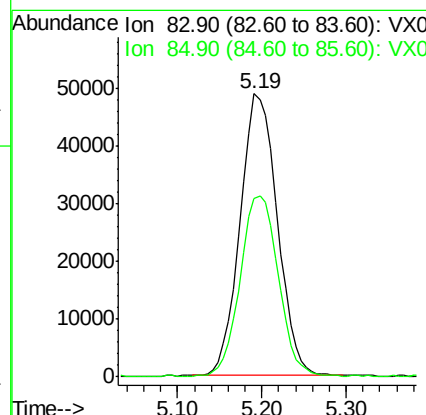
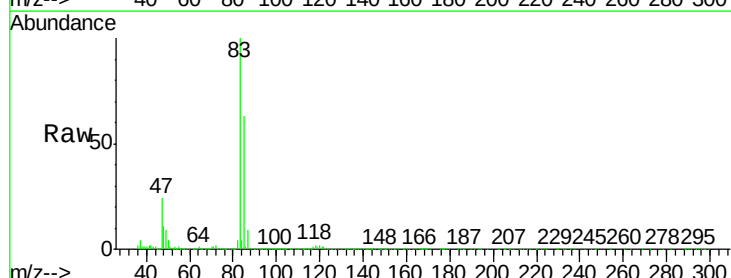
Manual Integrations
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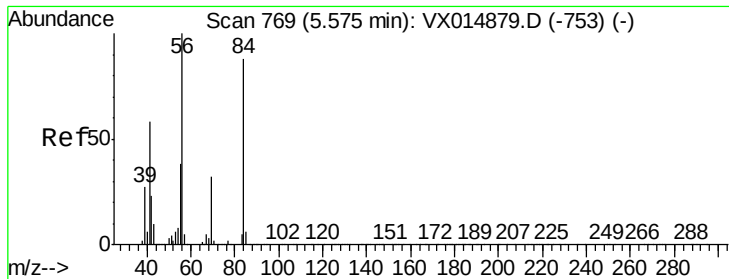
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#30
Chloroform
Concen: 19.365 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.9	79.3





#31

Cyclohexane

Concen: 18.128 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

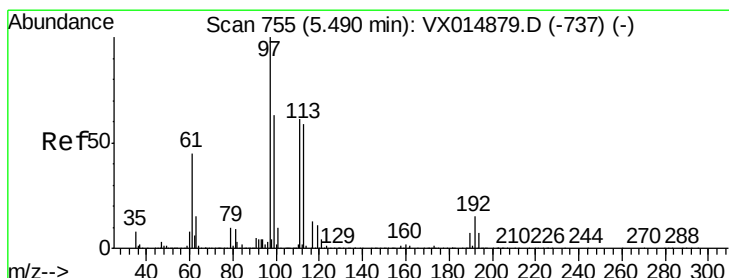
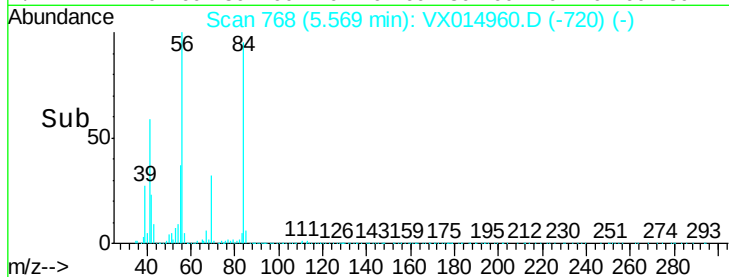
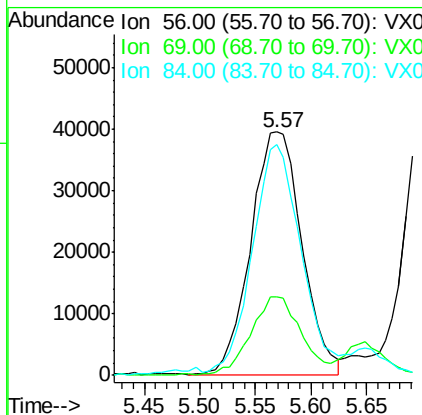
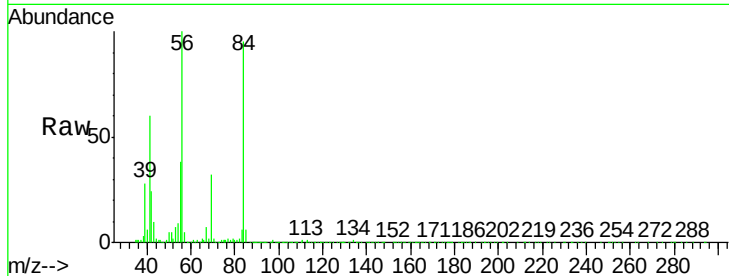
ClientSampleId :

VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.9	38.9
84	93.4	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.524 ug/l

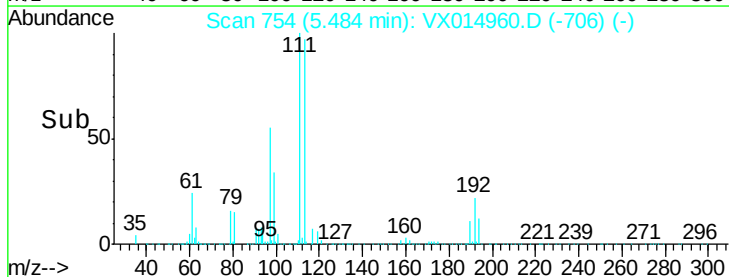
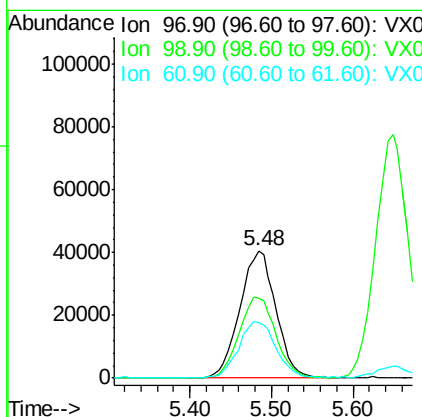
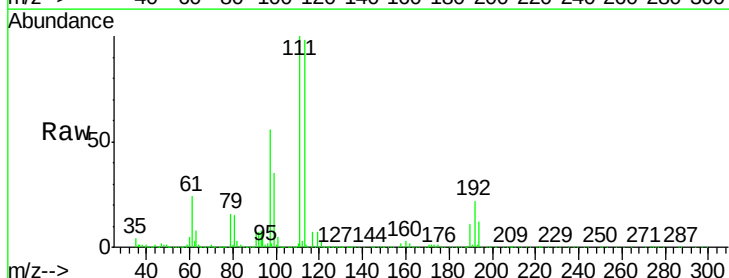
RT: 5.48 min Scan# 754

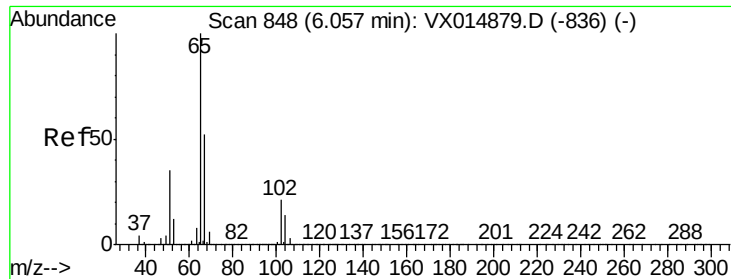
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	45.9	36.3	54.5





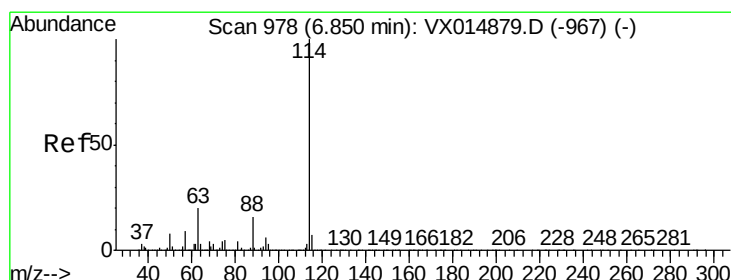
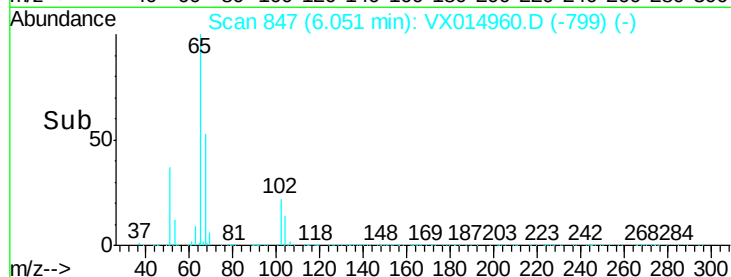
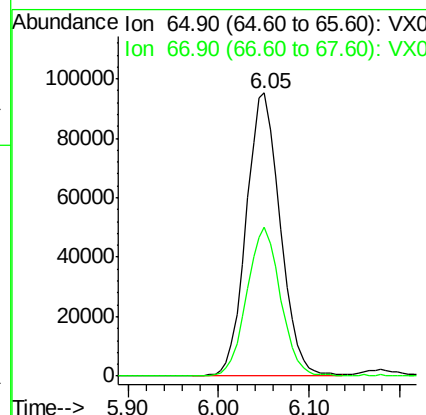
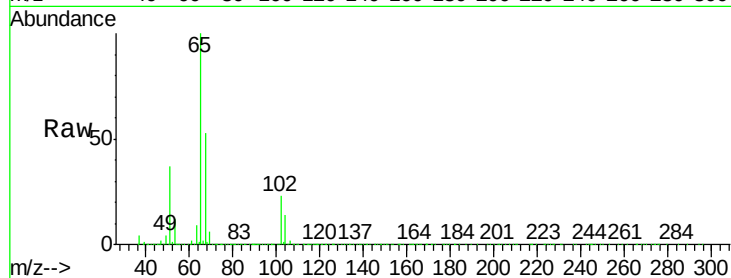
#33
 1,2-Dichloroethane-d4
 Concen: 50.065 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

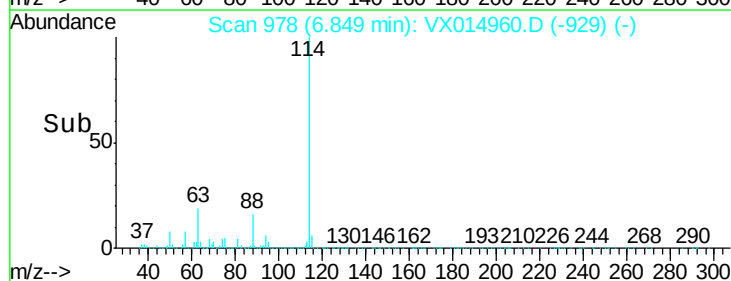
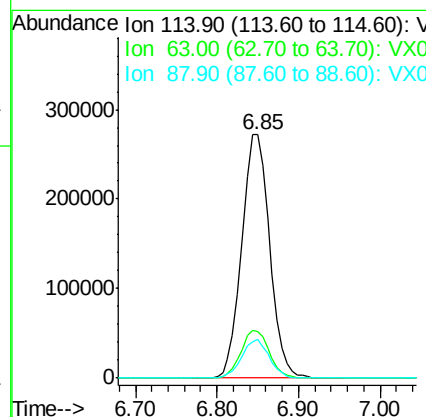
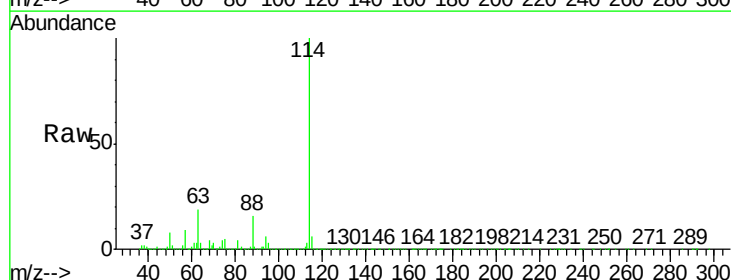
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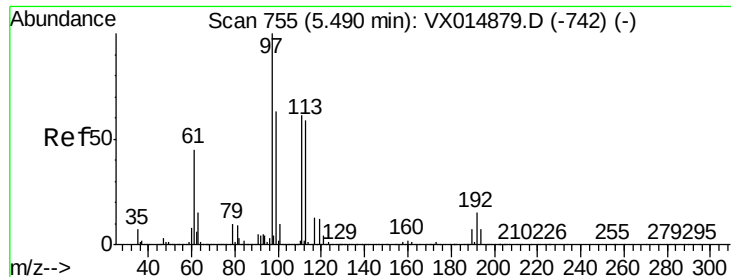
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.2
88	15.7	0.0	32.0





#35

Dibromofluoromethane

Concen: 50.202 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

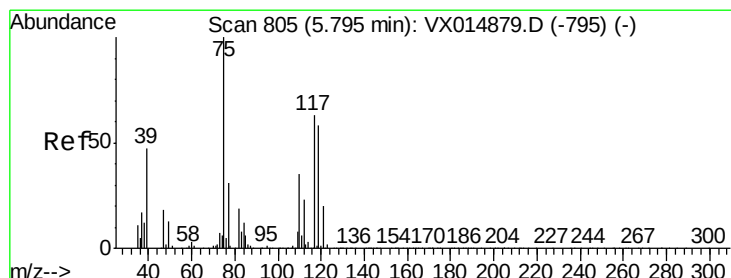
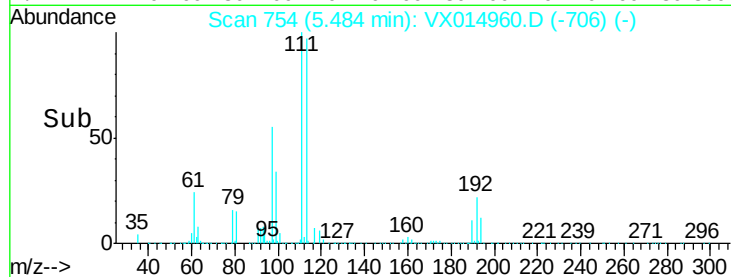
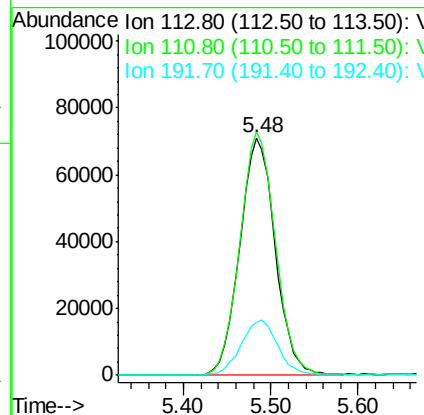
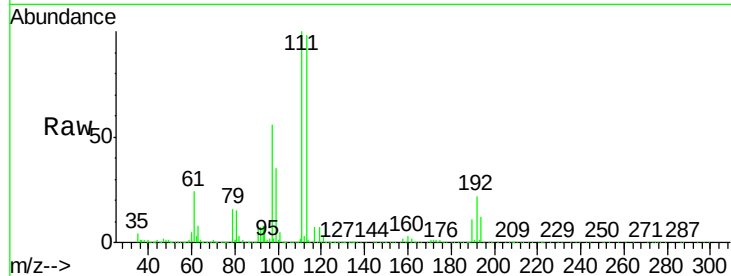
ClientSampleId :

VX0219WBSD01

Tot Ion:	113	Resp:	199278
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.4	123.6
192	24.3	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.482 ug/l

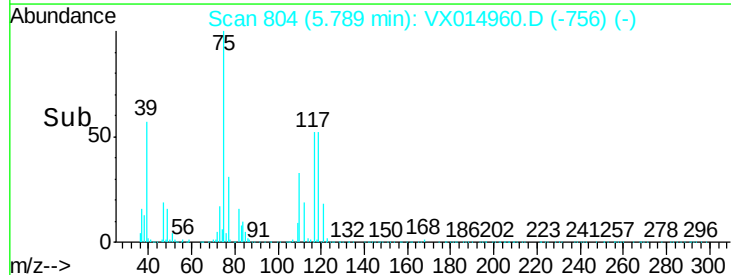
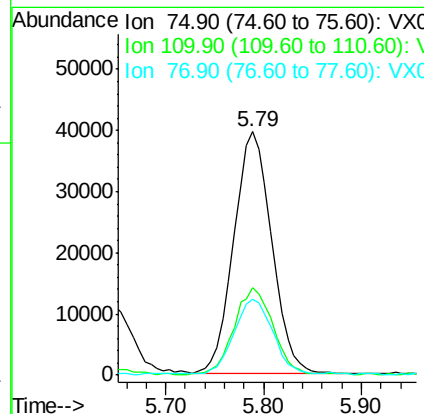
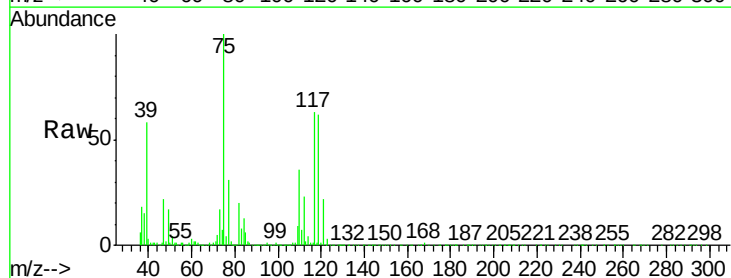
RT: 5.79 min Scan# 804

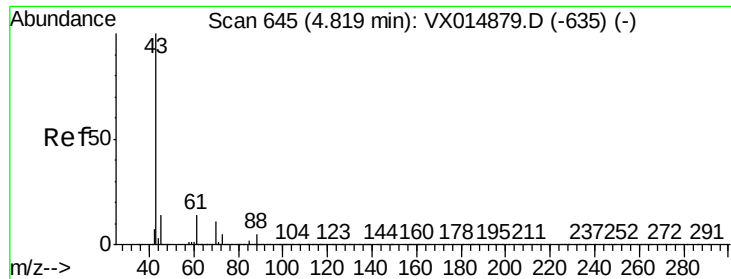
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	75	Resp:	106748
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.3	54.8
77	31.0	24.6	36.8





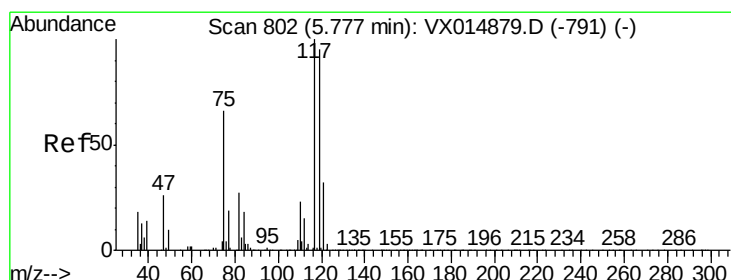
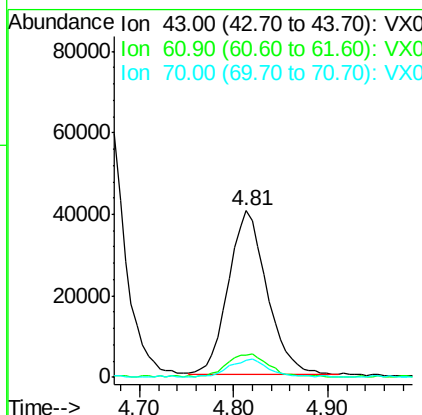
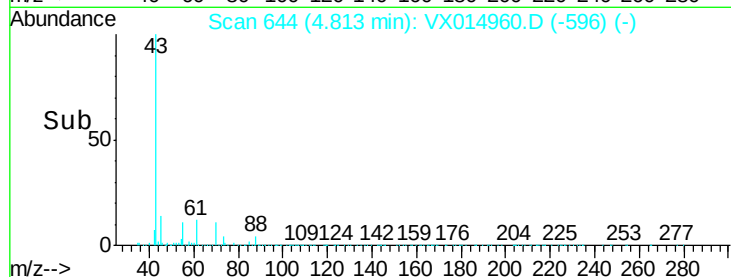
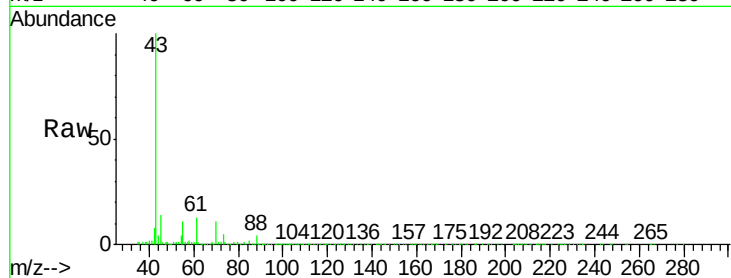
#37
Ethyl Acetate
Concen: 19.128 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	11.9	8.7	13.1

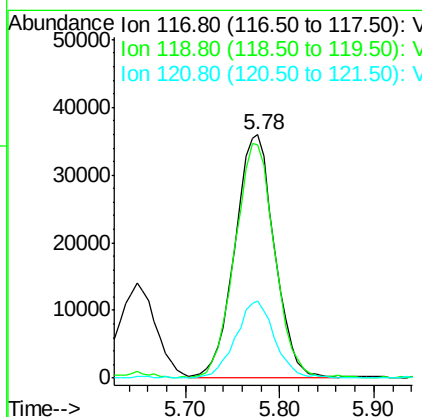
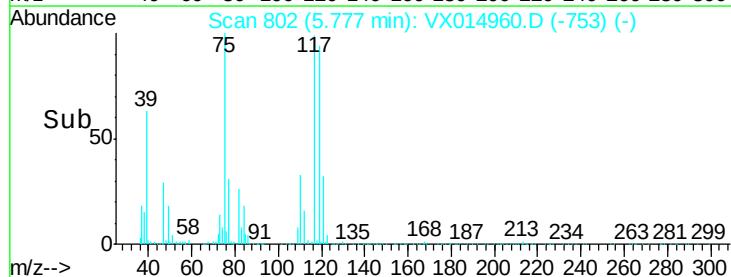
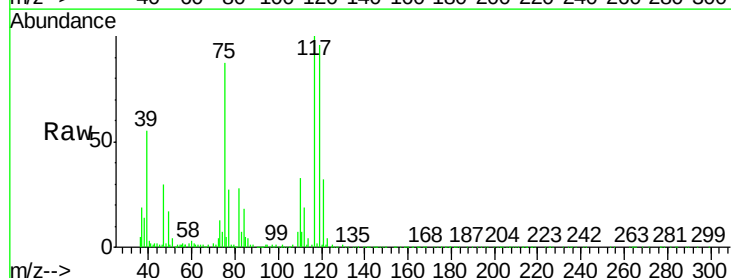
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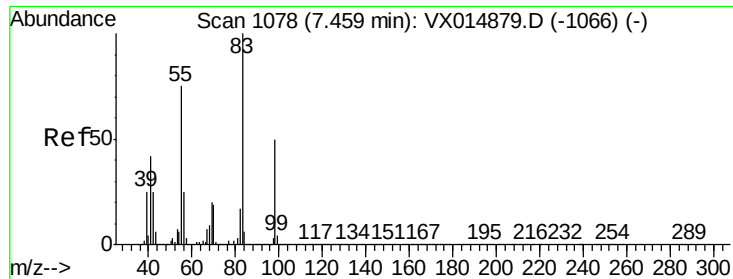
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#38
Carbon Tetrachloride
Concen: 18.696 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.0	114.0
121	31.6	25.4	38.2





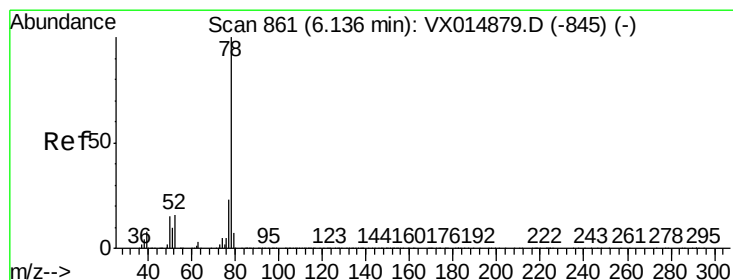
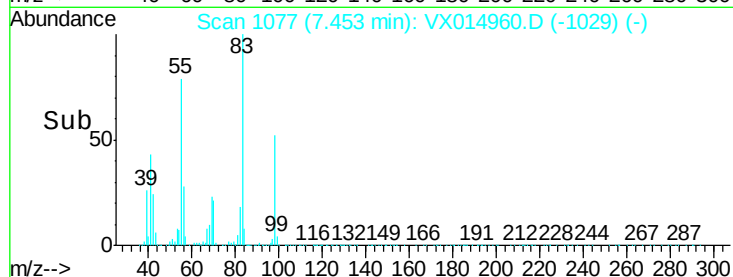
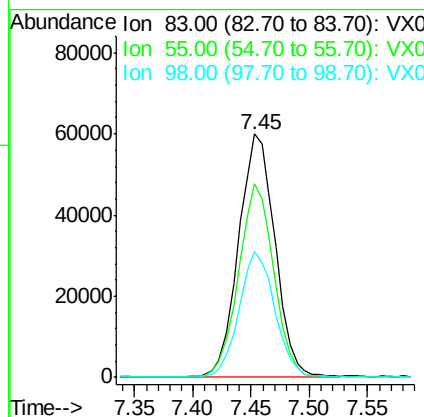
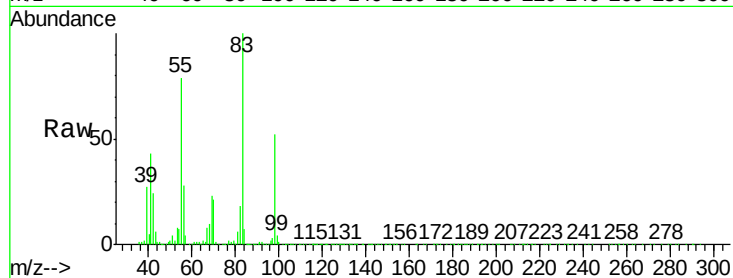
#39
Methylvlcyclohexane
Concen: 17.951 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	60.0	90.0
98	51.6	39.6	59.4

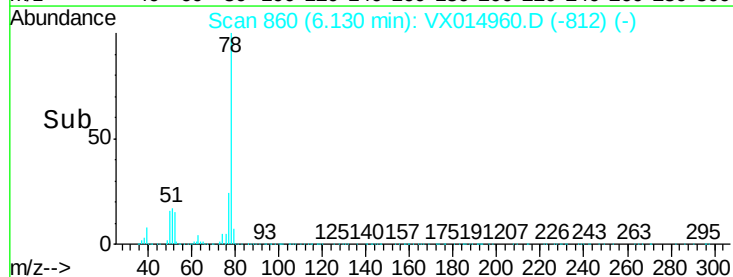
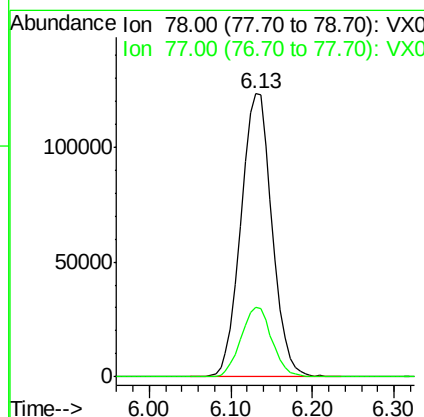
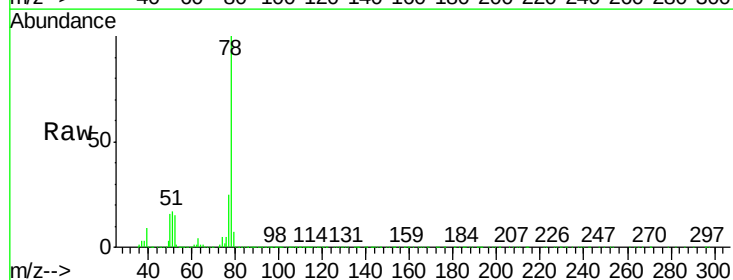
Manual Integrations
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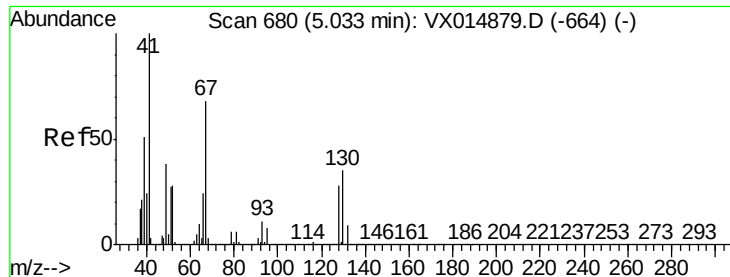
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#40
Benzene
Concen: 18.831 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2





#41

Methacrylonitrile

Concen: 19.869 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

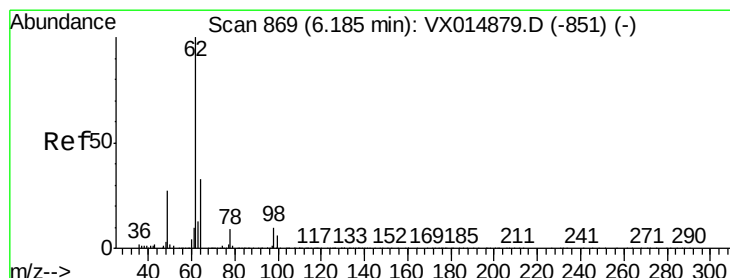
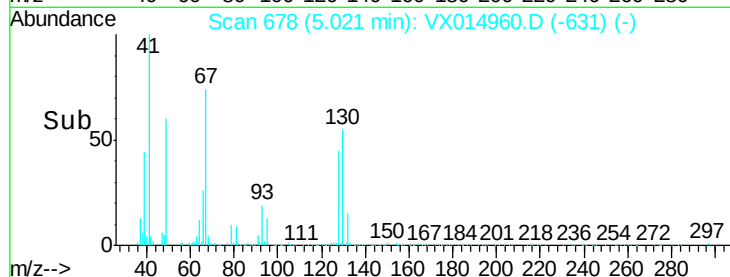
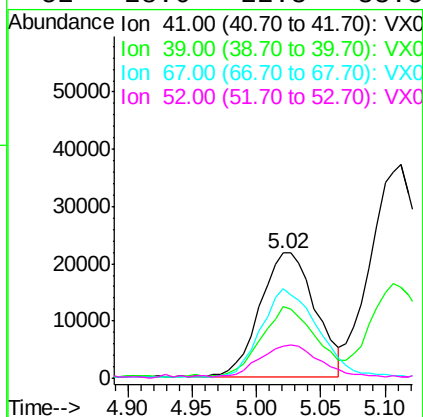
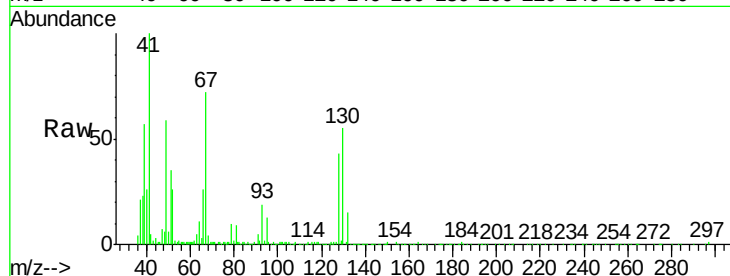
ClientSampleId :

VX0219WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	44.7	67.1	
67	74.0	56.6	84.8	
52	28.6	22.3	33.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.498 ug/l

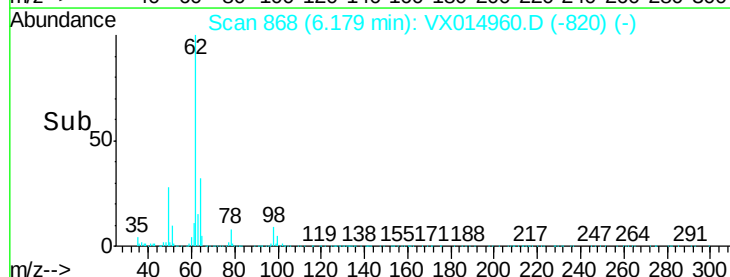
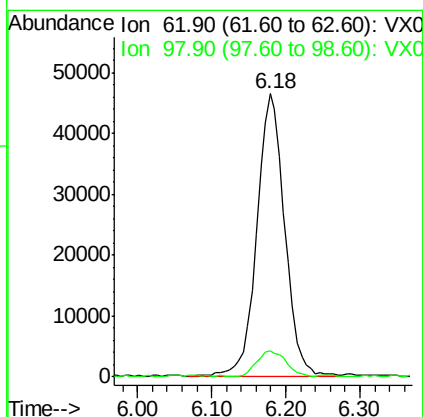
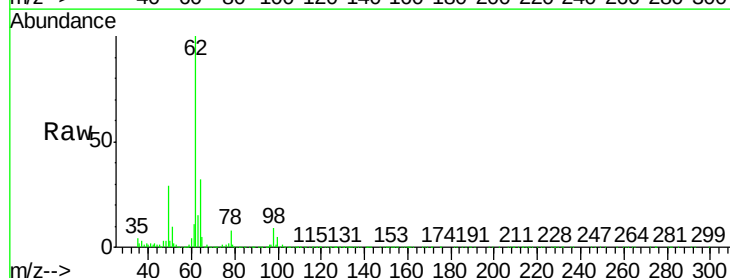
RT: 6.18 min Scan# 868

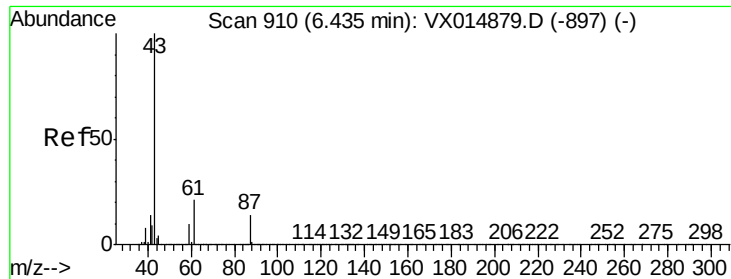
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

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





#43

Isopropyl Acetate

Concen: 19.567 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

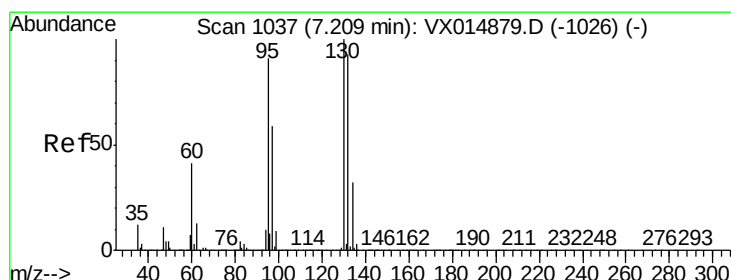
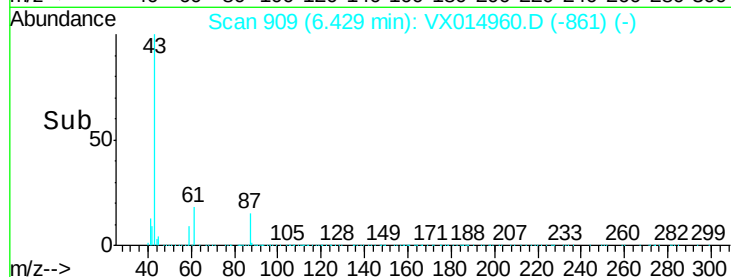
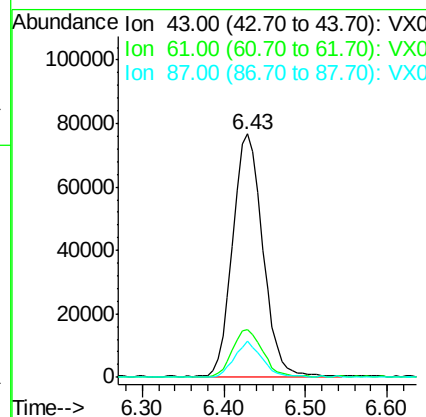
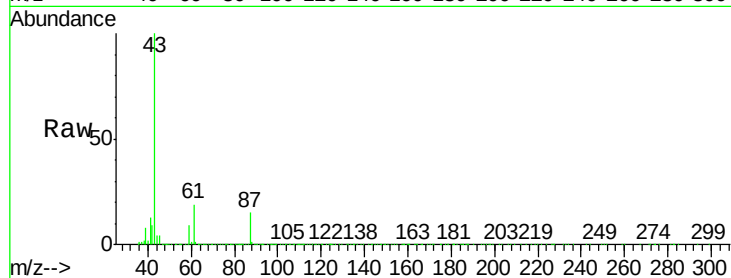
ClientSampleId :

VX0219WBSD01

Tot Ion:	43	Resp:	194453
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.2	24.4
87	14.1	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.539 ug/l

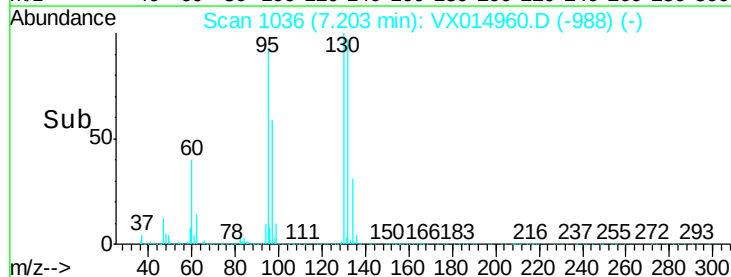
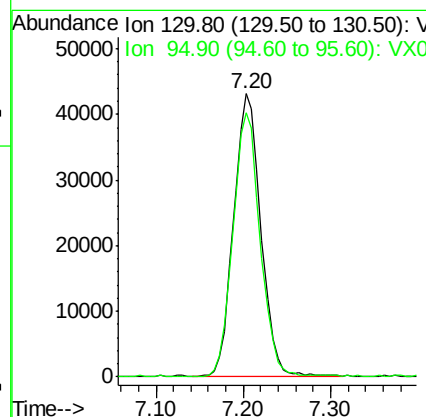
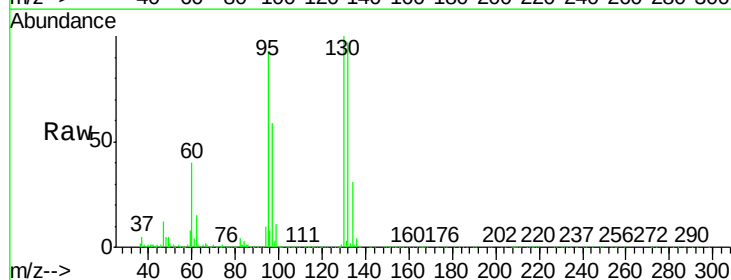
RT: 7.20 min Scan# 1036

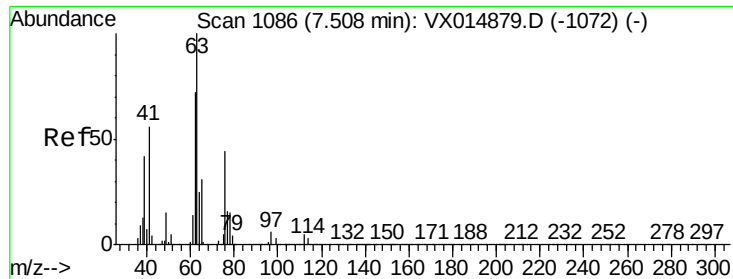
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	130	Resp:	92877
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	182.6





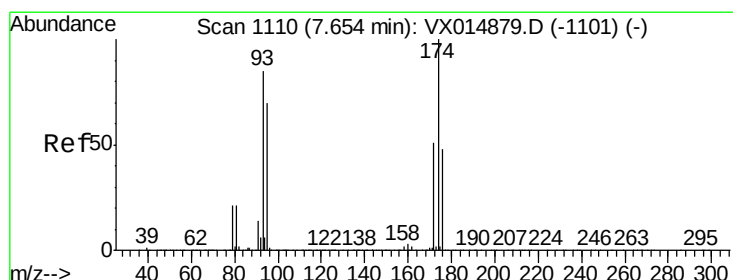
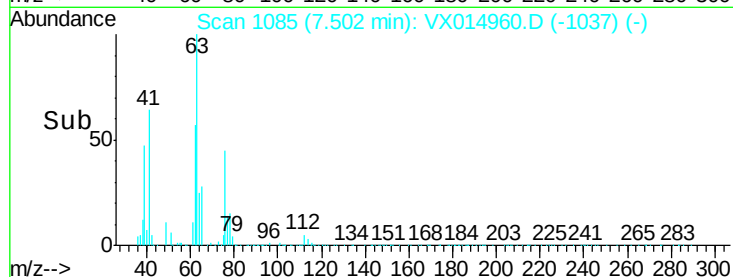
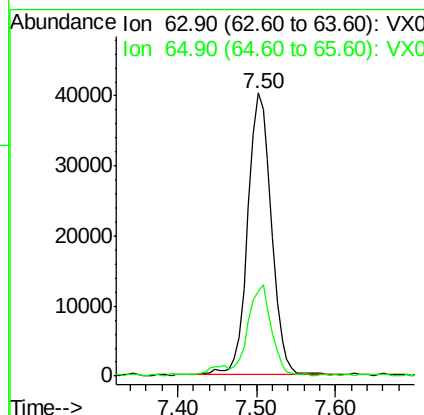
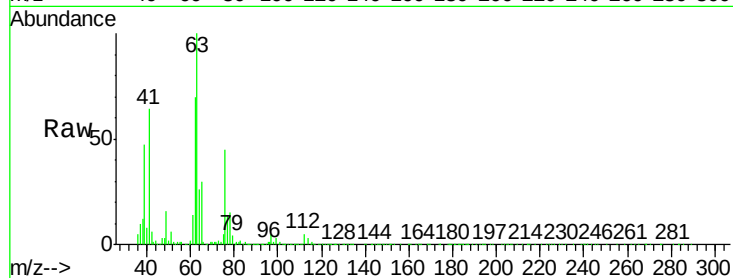
#45
 1,2-Dichloropropane
 Concen: 19.110 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.9	37.3

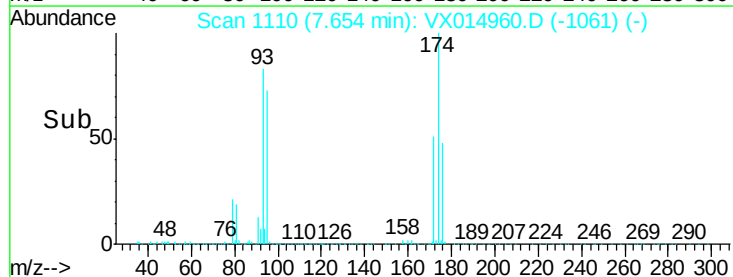
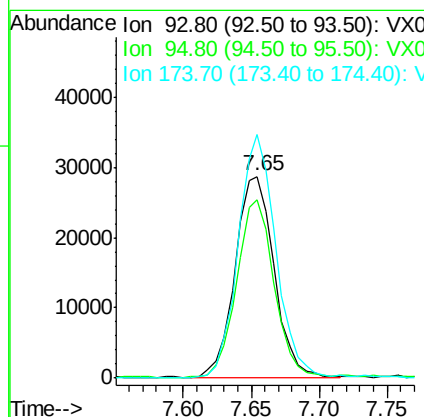
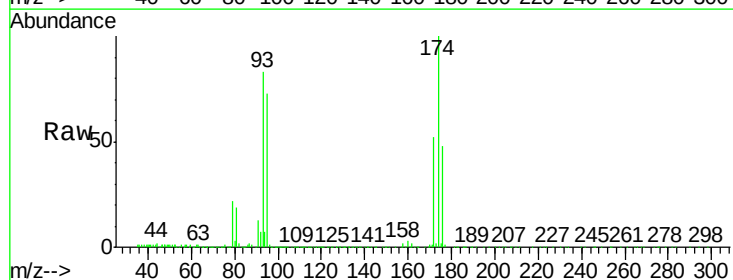
Manual Integrations
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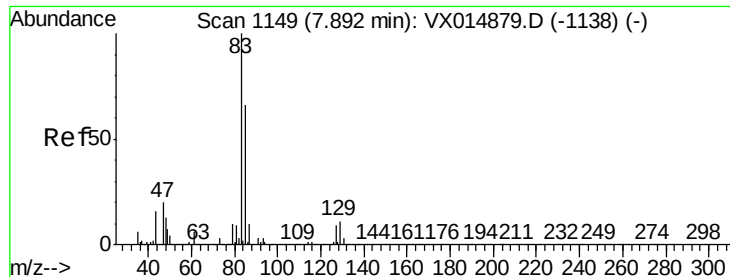
MMDadoda
 2/20/2020 1:41:31 PM



#46
 Dibromomethane
 Concen: 18.995 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	117.3	95.4	143.2





#47

Bromodichloromethane

Concen: 19.143 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

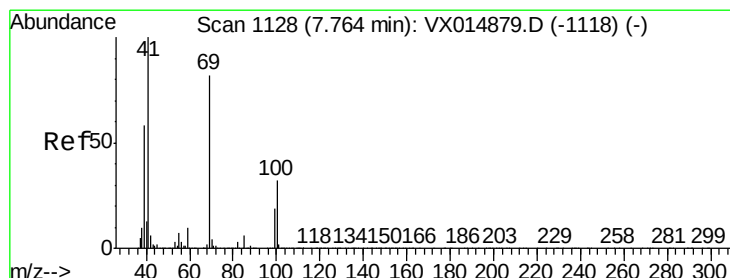
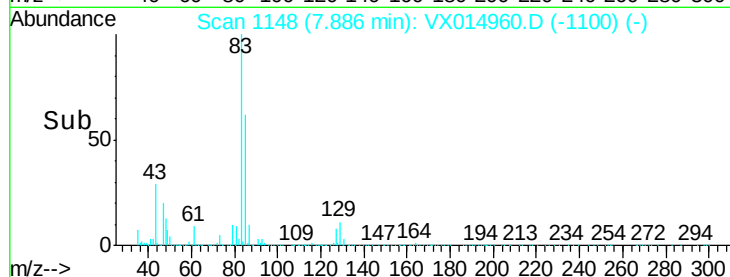
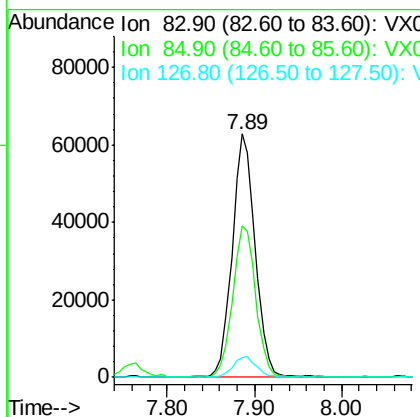
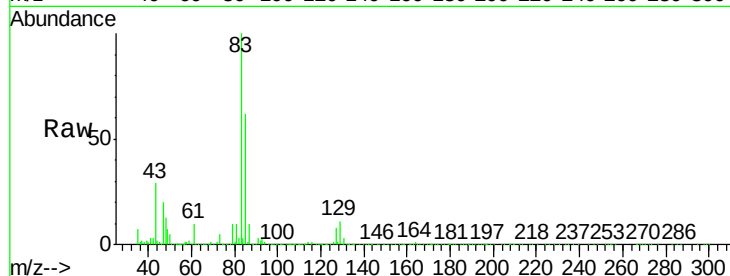
ClientSampleId :

VX0219WBSD01

Tot Ion:	83	Resp:	114188
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.5	78.7
127	8.3	7.4	11.0

Manual Integrations
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MMDadoda
2/20/2020 1:41:31 PM



#48

Methyl methacrylate

Concen: 19.701 ug/l

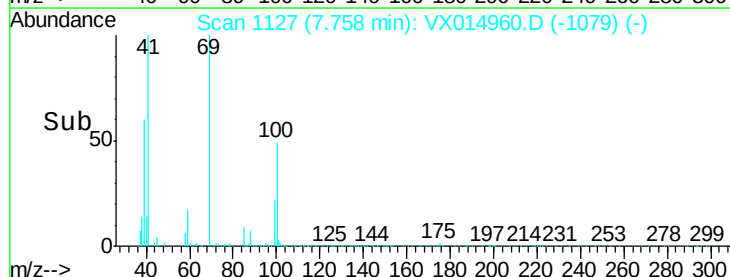
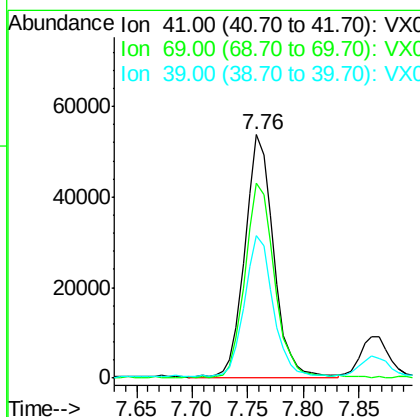
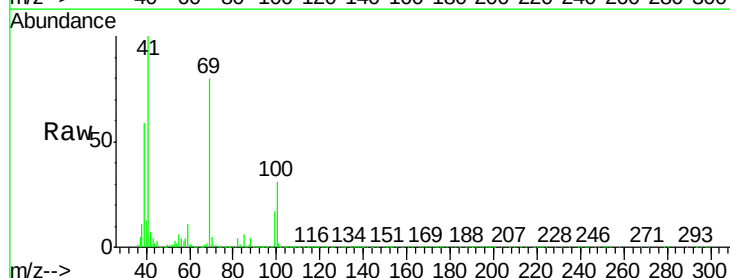
RT: 7.76 min Scan# 1127

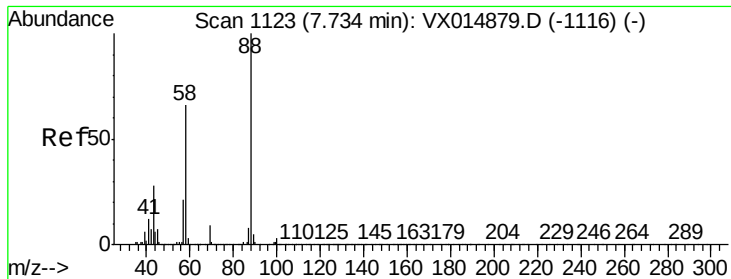
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	41	Resp:	96348
Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.7	98.5
39	57.3	45.8	68.8





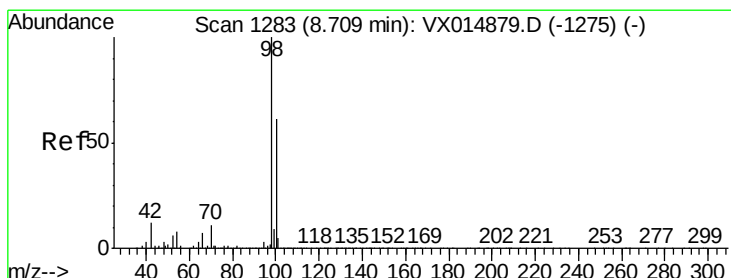
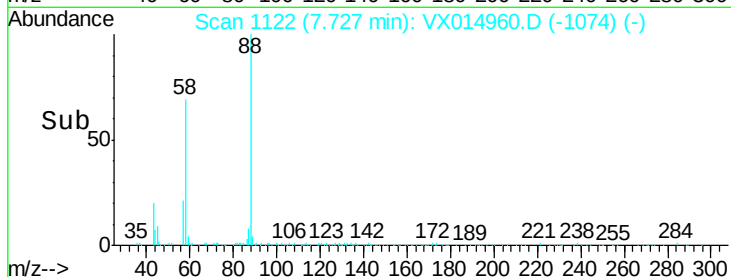
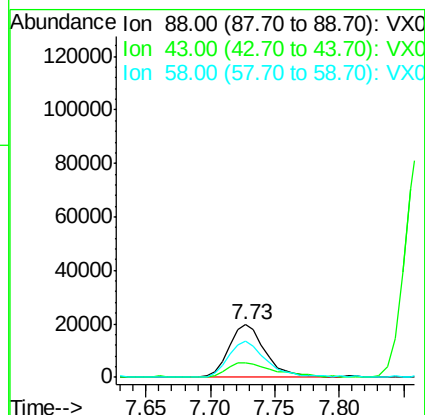
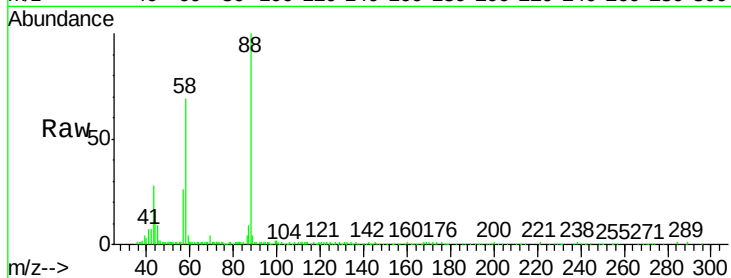
#49
1,4-Dioxane
Concen: 417.784 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.0	40.4
58	71.1	53.2	79.8

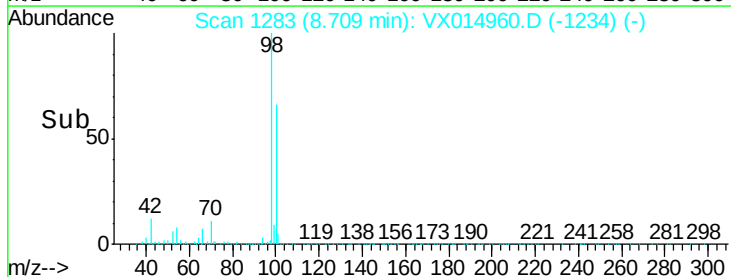
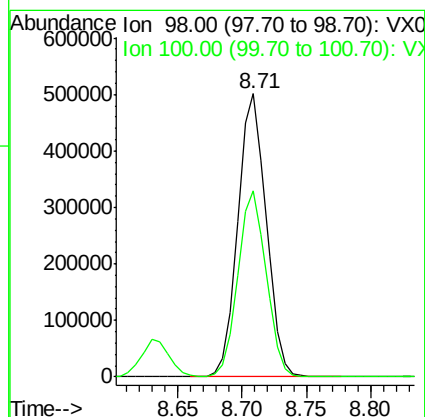
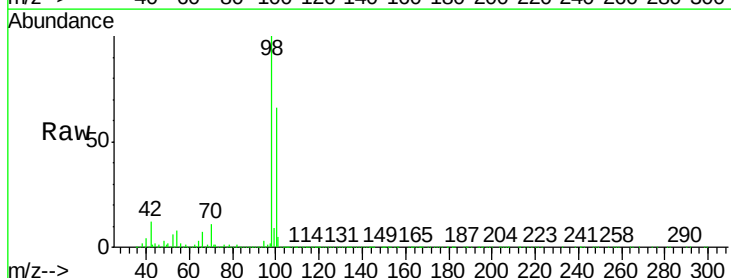
Manual Integrations
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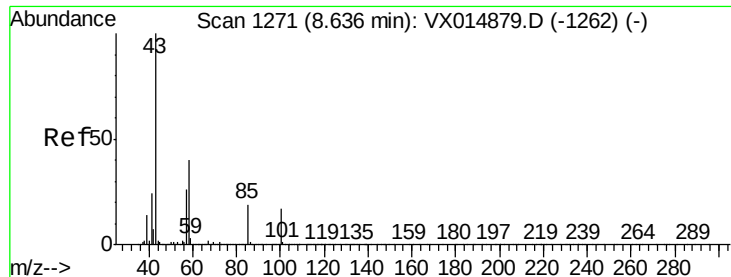
MMDadoda
2/20/2020 1:41:31 PM



#50
Toluene-d8
Concen: 50.503 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 100.779 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 43 Resp: 604730

Ion Ratio Lower Upper

43 100

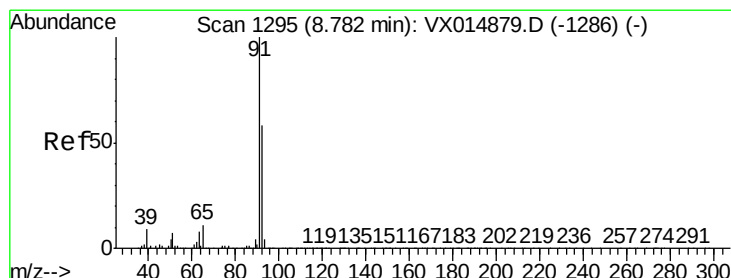
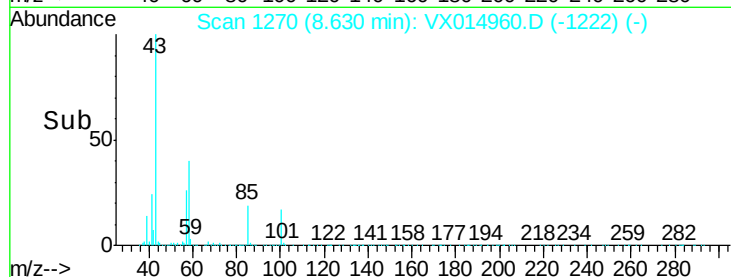
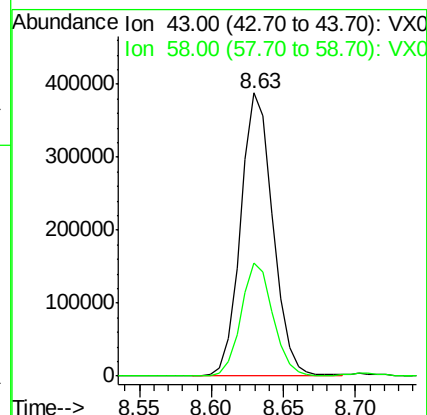
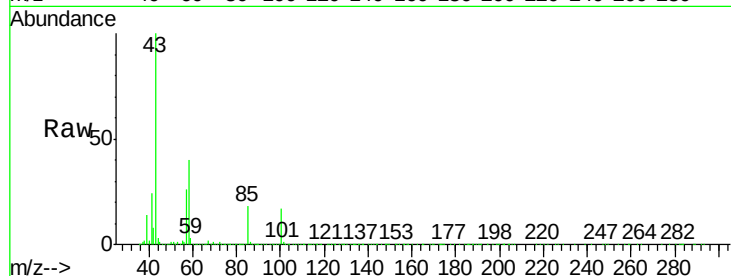
58 39.4 31.9 47.9

Manual Integrations

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#52

Toluene

Concen: 19.131 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014960.D

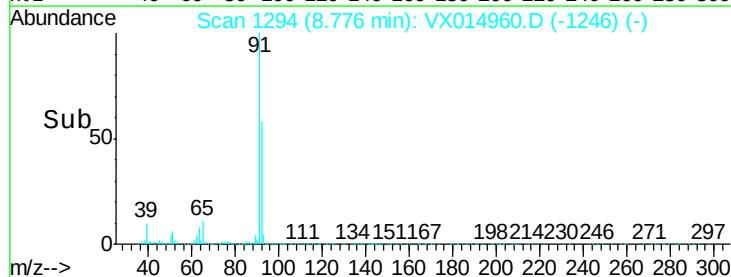
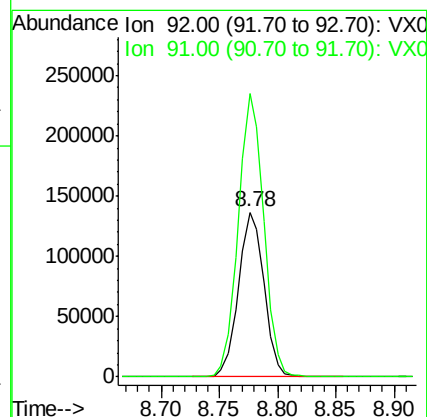
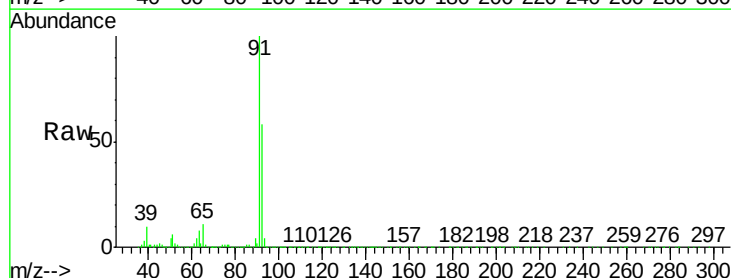
Acq: 19 Feb 2020 12:00

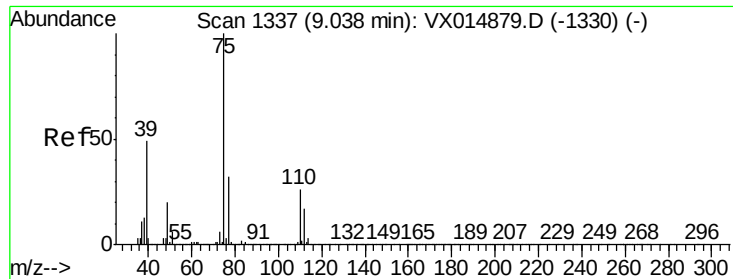
Tgt Ion: 92 Resp: 209695

Ion Ratio Lower Upper

92 100

91 171.0 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.942 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 75 Resp: 123831

Ion Ratio Lower Upper

75 100

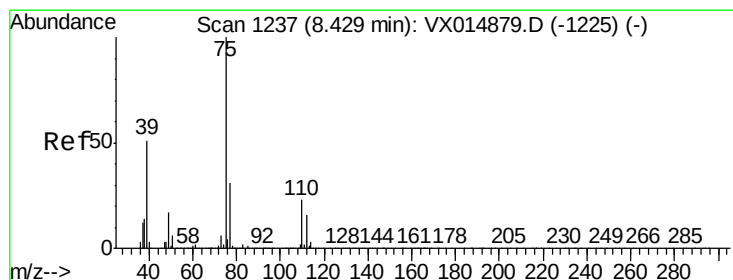
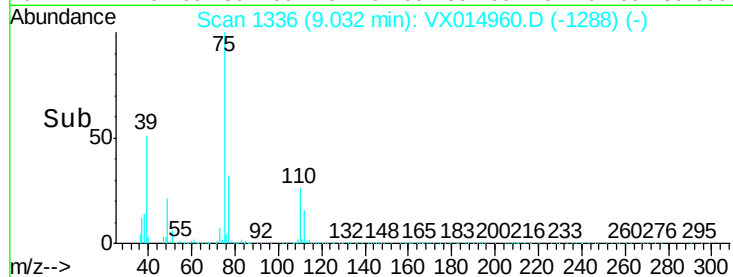
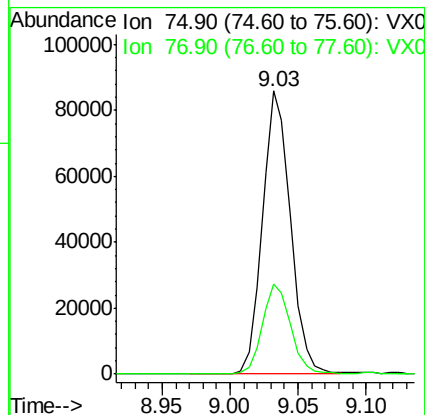
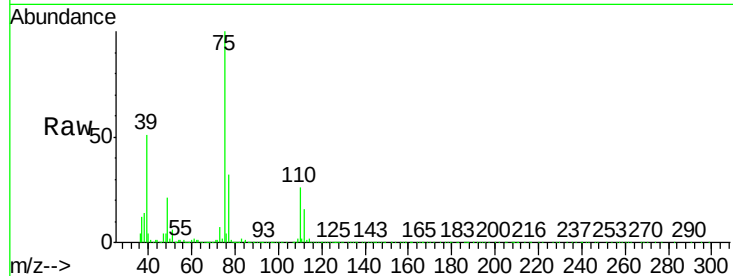
77 31.6 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.820 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

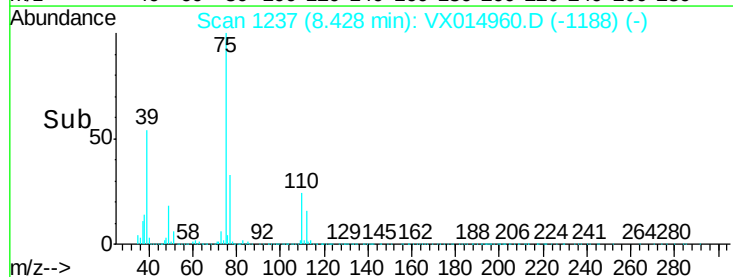
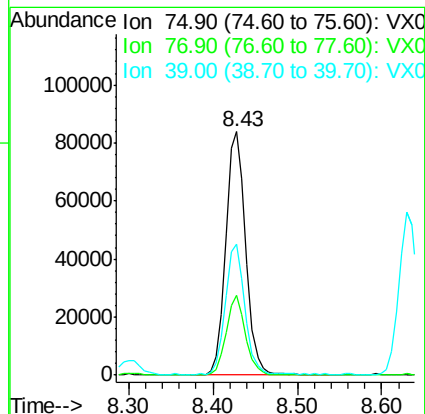
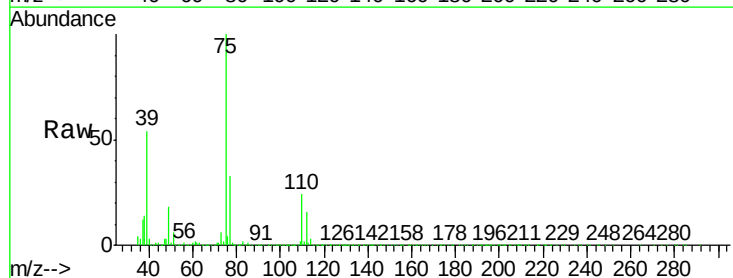
Tgt Ion: 75 Resp: 135918

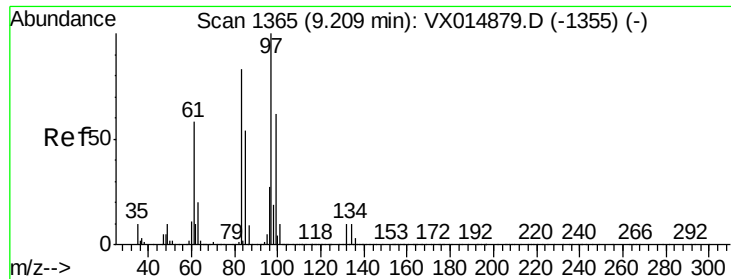
Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0

39 53.7 40.9 61.3





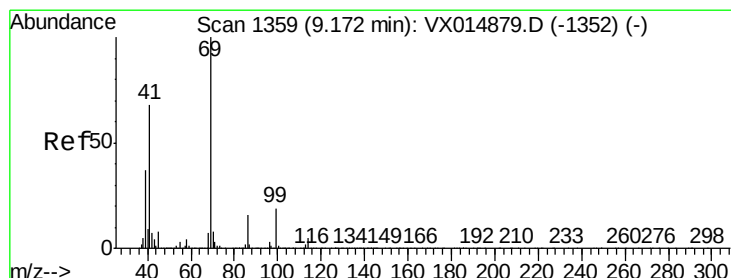
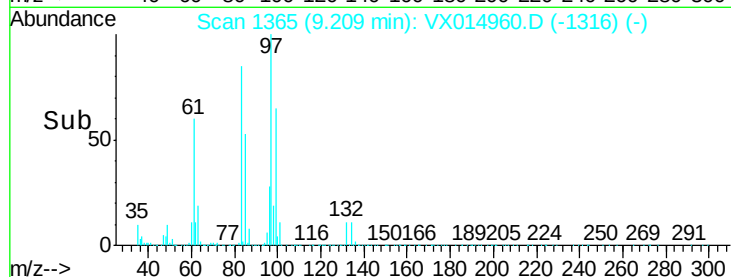
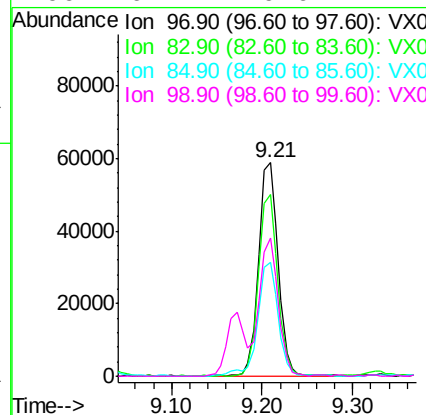
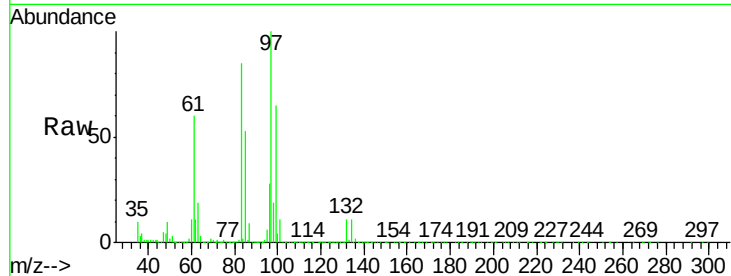
#55
 1,1,2-Trichloroethane
 Concen: 19.779 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		87711		
83	84.8	66.6	99.8		
85	53.3	43.5	65.3		
99	64.7	49.6	74.4		

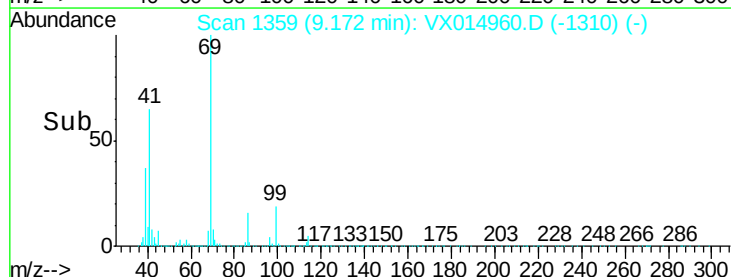
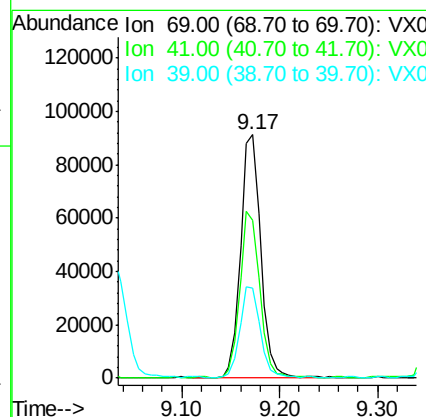
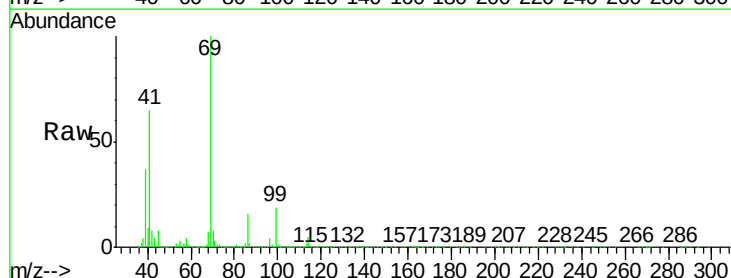
Manual Integrations
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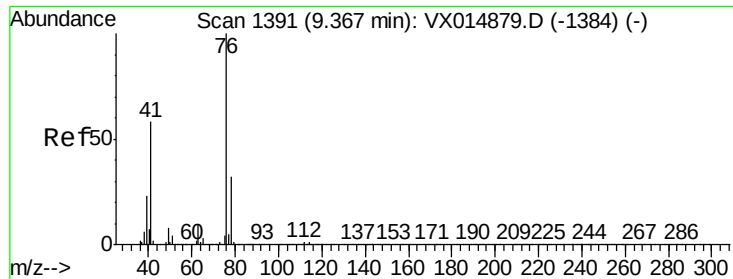
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 2/20/2020 1:41:31 PM



#56
 Ethyl methacrylate
 Concen: 19.626 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		130816		
41	66.6	54.8	82.2		
39	37.9	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 19.604 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion: 76 Resp: 146340

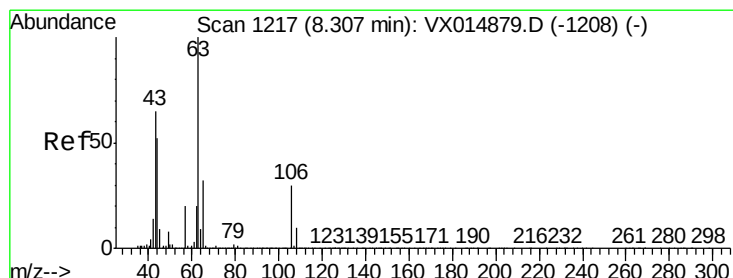
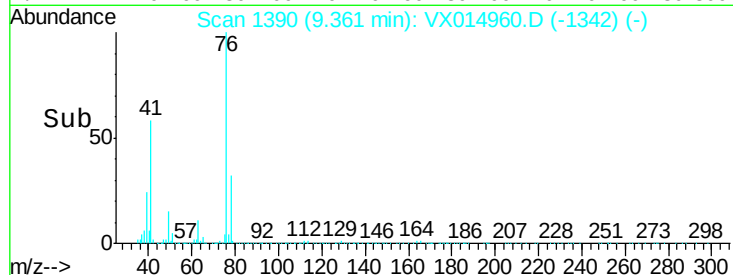
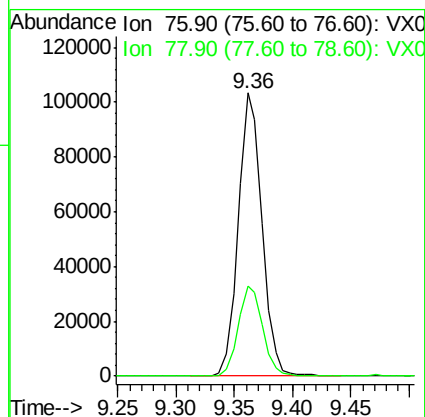
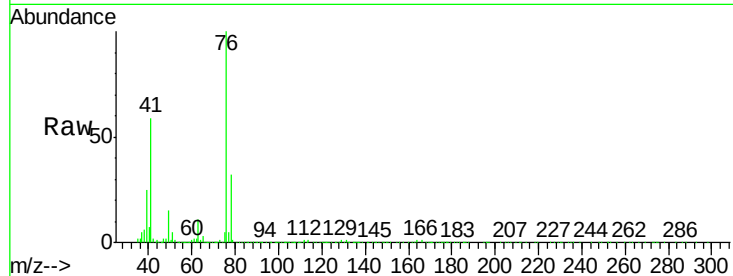
Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8

Manual Integrations
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2/20/2020 1:41:31 PM



#58

2-Chloroethyl Vinyl ether

Concen: 101.414 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014960.D

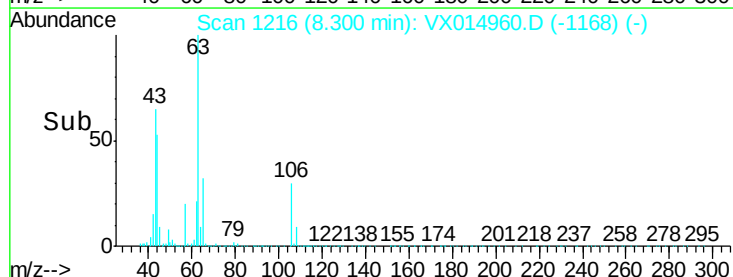
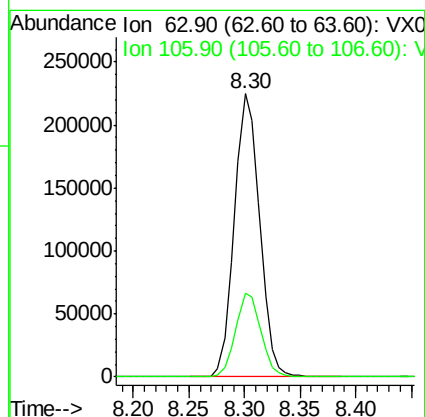
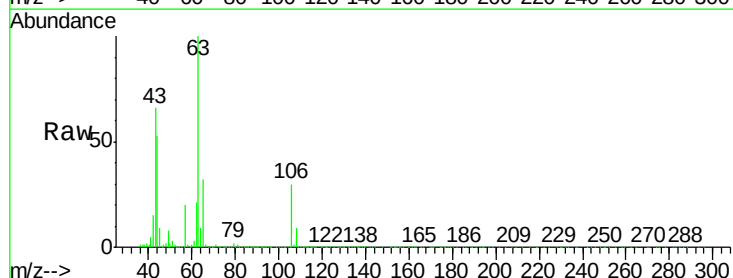
Acq: 19 Feb 2020 12:00

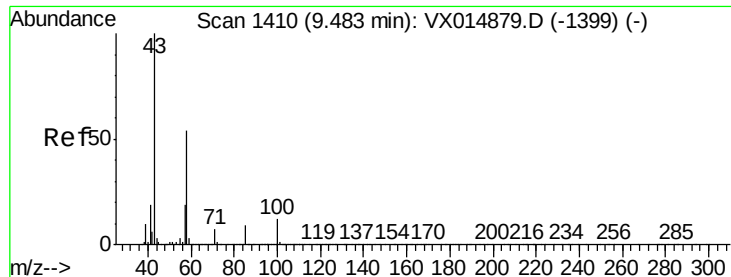
Tgt Ion: 63 Resp: 353524

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8





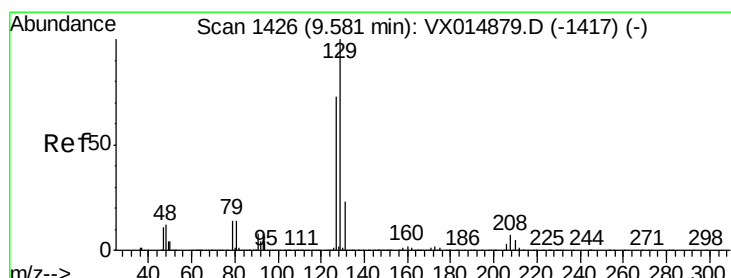
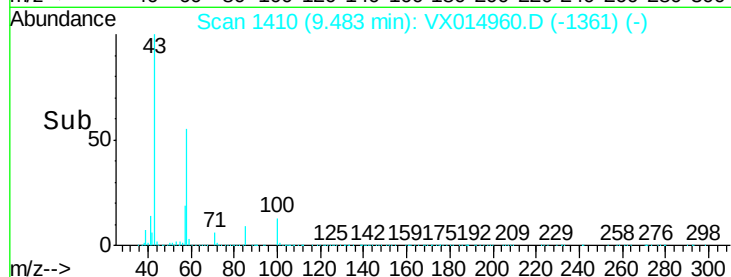
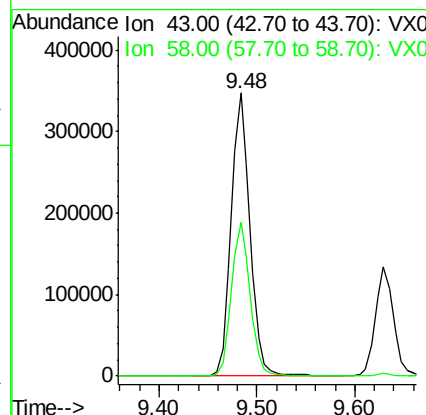
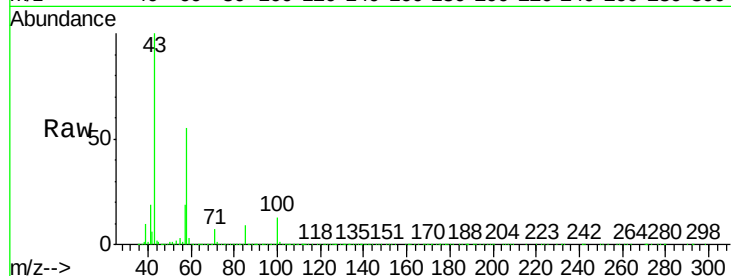
#59
2-Hexanone
Concen: 97.683 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion: 43 Resp: 460725
Ion Ratio Lower Upper
43 100
58 54.4 27.5 82.5

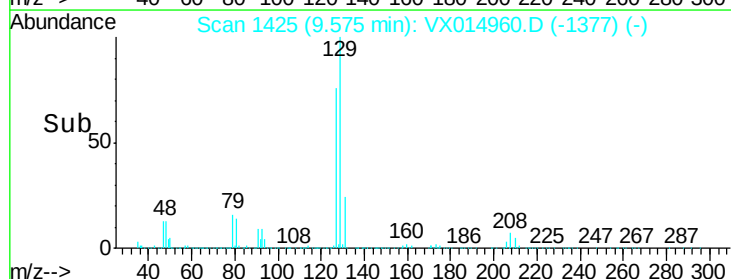
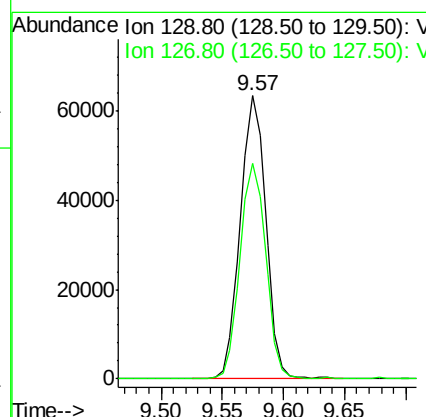
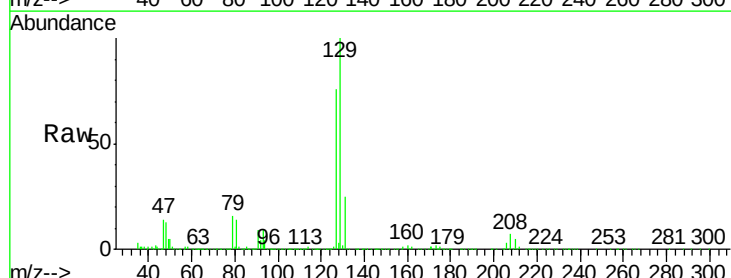
Manual Integrations
APPROVED

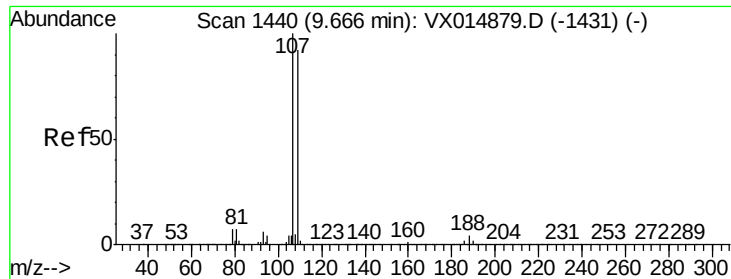
MMDadoda
2/20/2020 1:41:31 PM



#60
Dibromochloromethane
Concen: 19.270 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion: 129 Resp: 91960
Ion Ratio Lower Upper
129 100
127 76.4 37.8 113.3





#61

1,2-Dibromoethane

Concen: 18.980 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion:107 Resp: 90813

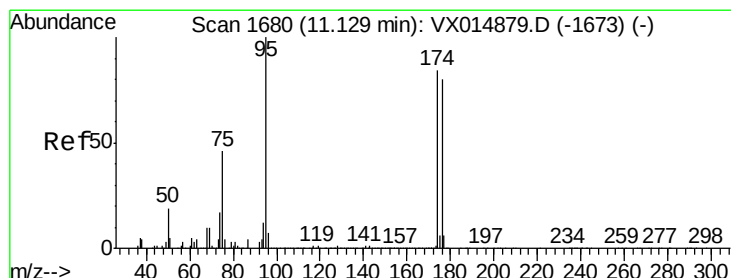
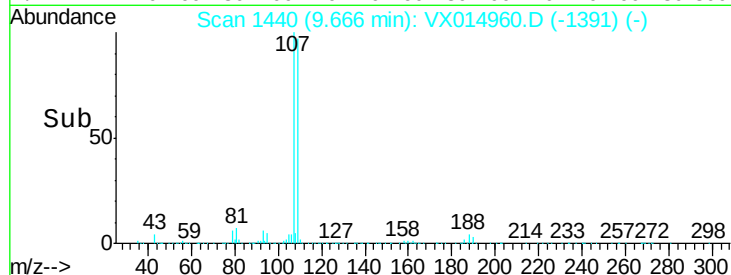
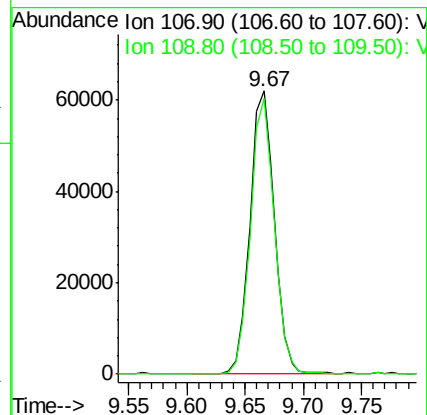
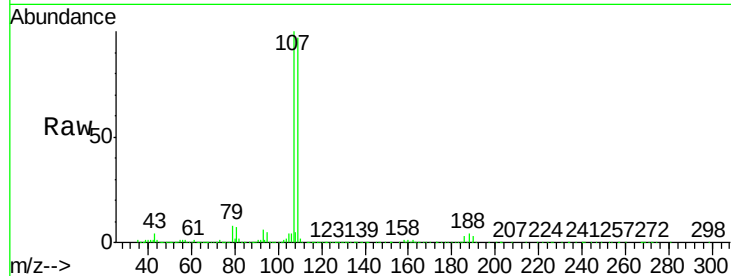
Ion Ratio Lower Upper

107 100

109 95.2 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
2/20/2020 1:41:31 PM



#62

4-Bromofluorobenzene

Concen: 50.582 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

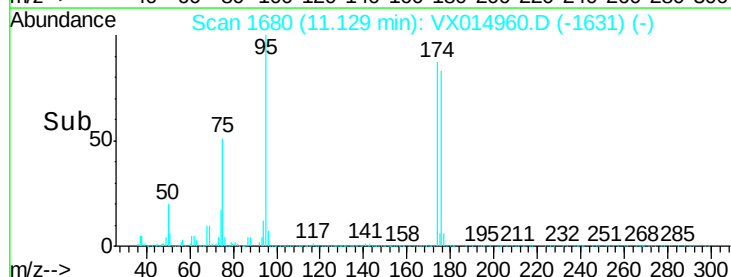
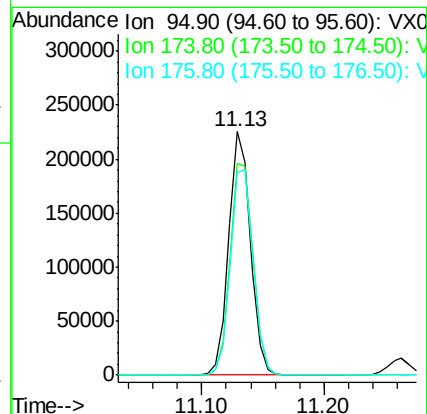
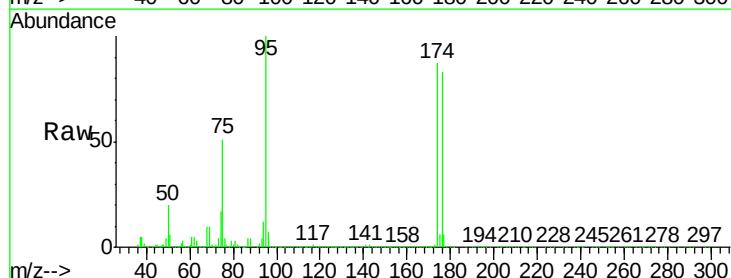
Tgt Ion: 95 Resp: 276088

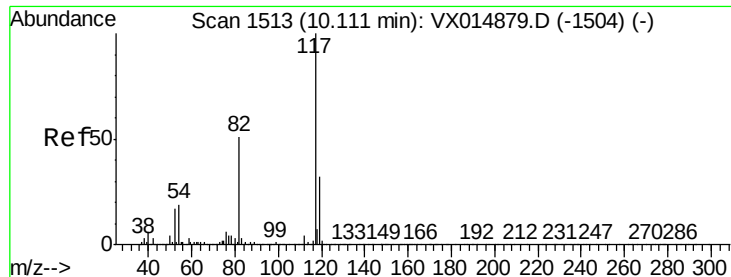
Ion Ratio Lower Upper

95 100

174 92.5 0.0 183.0

176 88.5 0.0 178.0





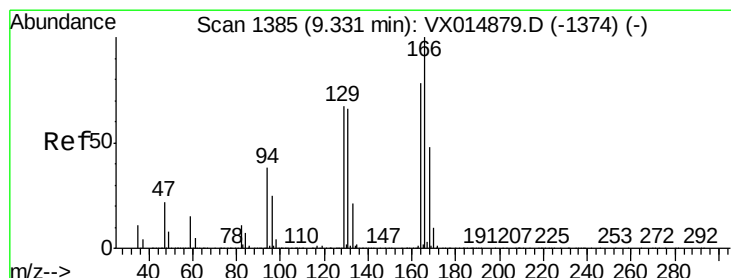
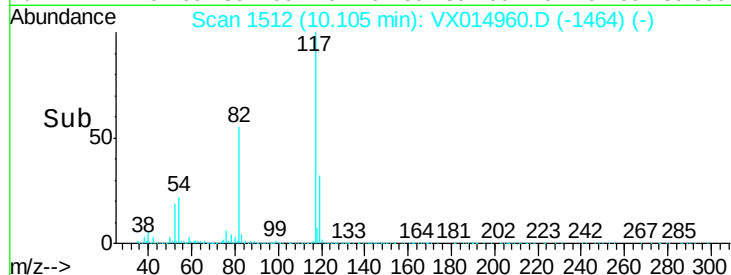
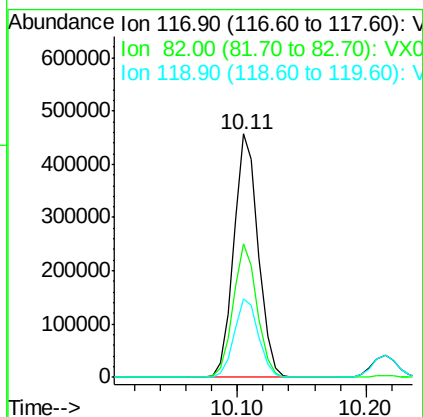
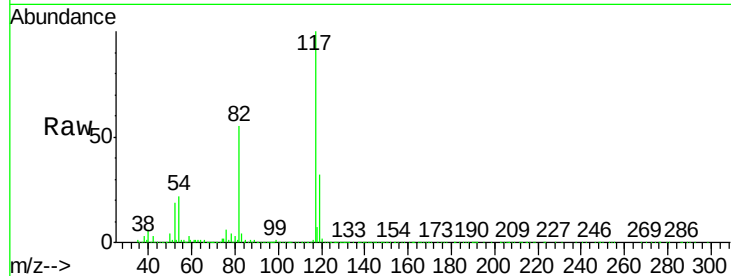
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	40.5	60.7
119	32.1	25.8	38.6

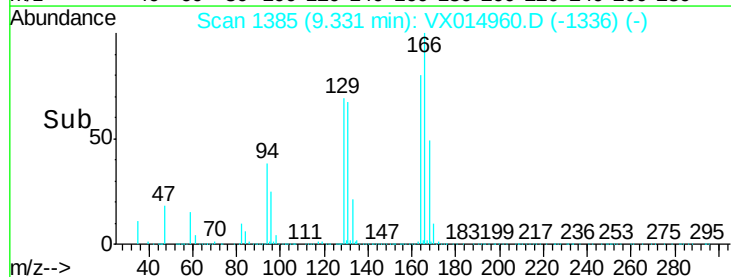
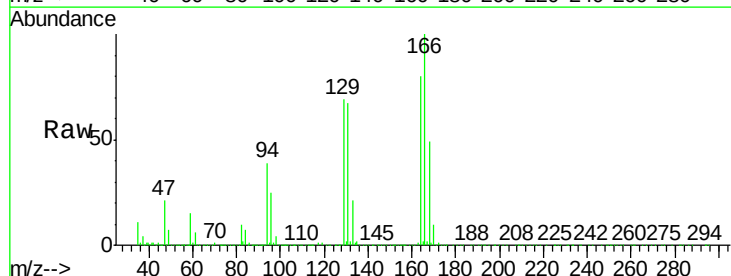
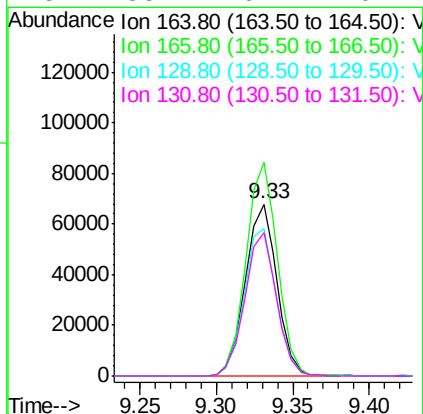
Manual Integrations
APPROVED

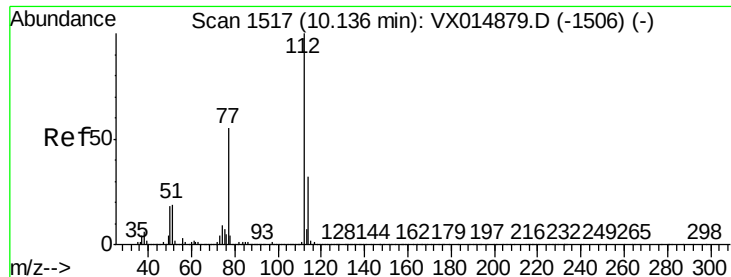
MMDadoda
2/20/2020 1:41:31 PM



#64
Tetrachloroethene
Concen: 17.358 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.6	153.8
129	85.4	68.3	102.5
131	83.2	67.4	101.2





#65

Chlorobenzene

Concen: 18.793 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion:112 Resp: 229497

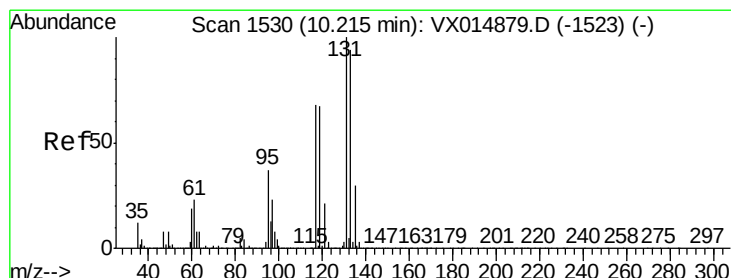
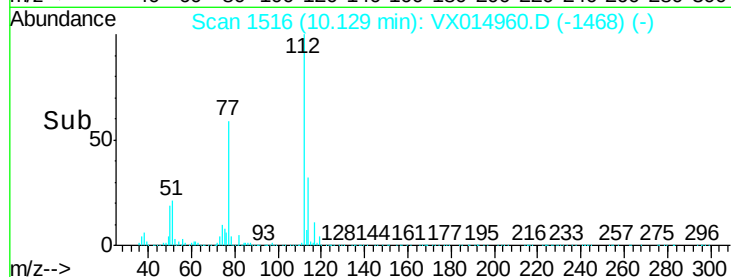
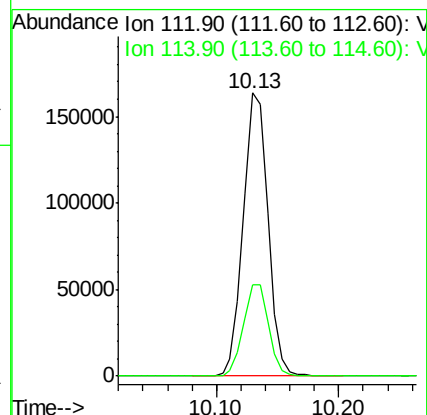
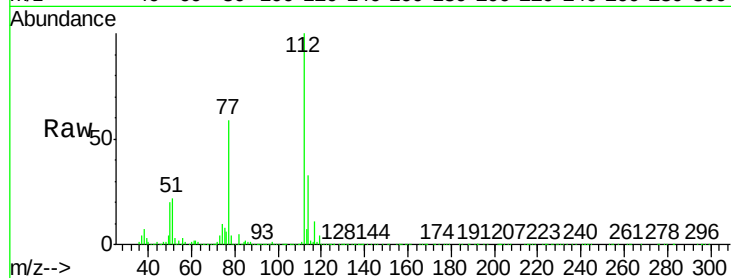
Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4

Manual Integrations
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2/20/2020 1:41:31 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.455 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

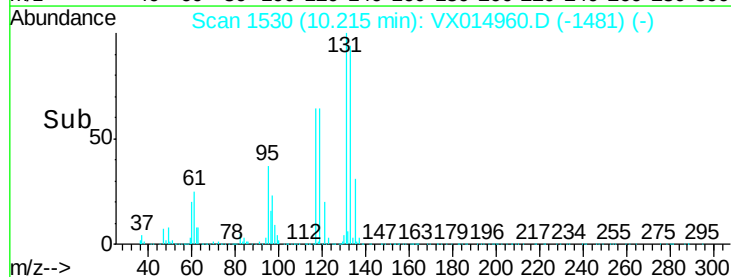
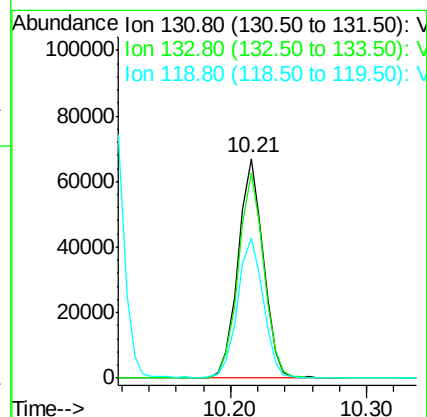
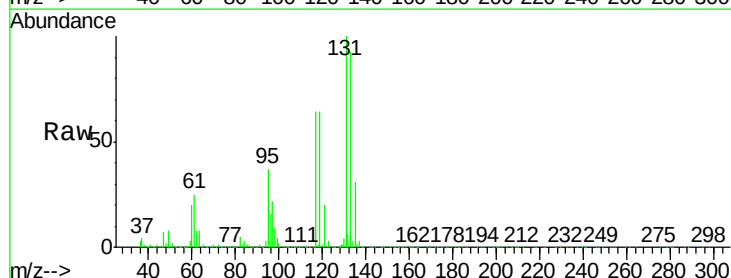
Tgt Ion:131 Resp: 86251

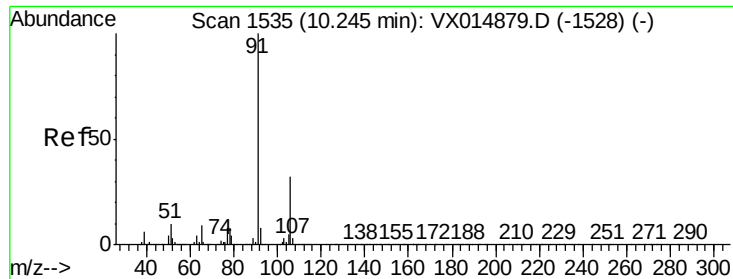
Ion Ratio Lower Upper

131 100

133 94.8 48.1 144.4

119 64.9 33.0 99.0





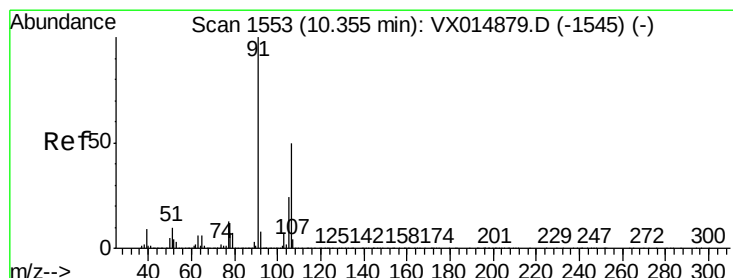
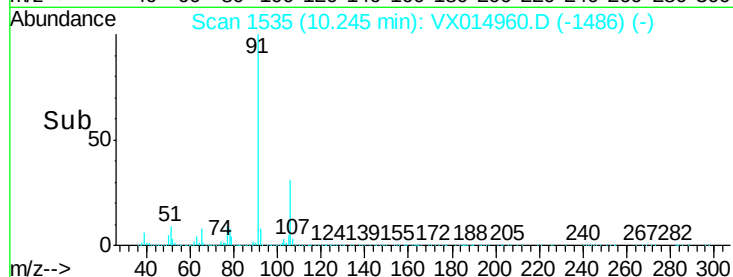
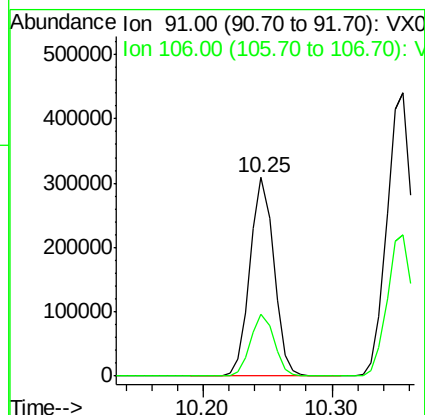
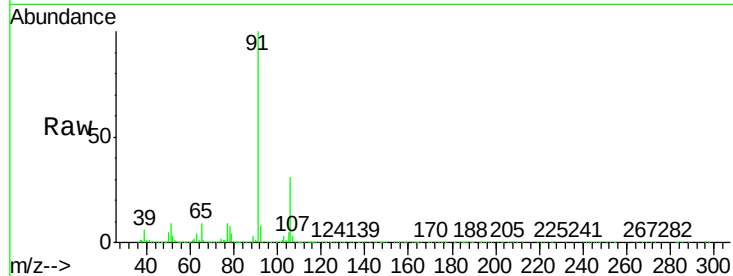
#67
Ethyl Benzene
Concen: 18.979 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion: 91 Resp: 394160
Ion Ratio Lower Upper
91 100
106 30.9 25.3 37.9

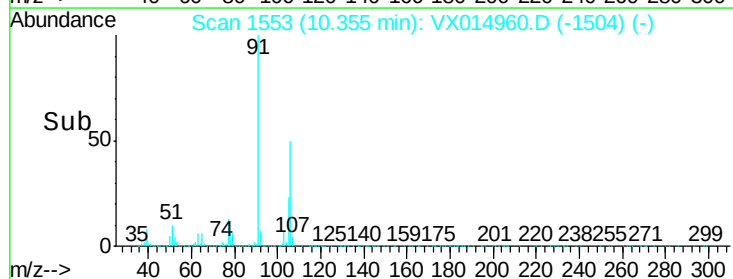
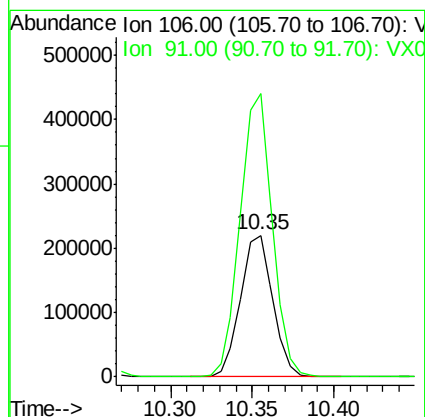
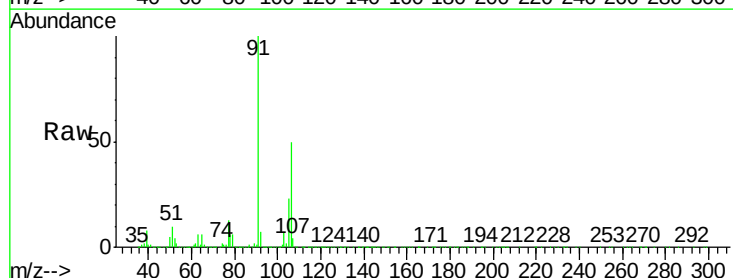
Manual Integrations
APPROVED

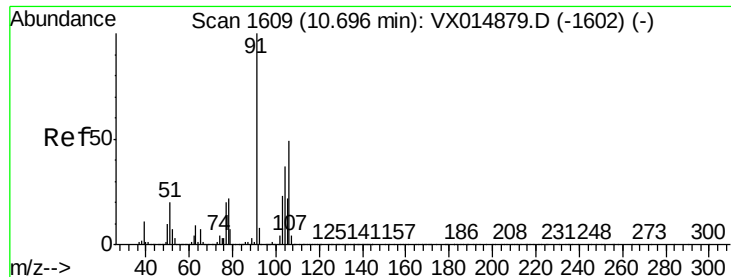
MMDadoda
2/20/2020 1:41:31 PM



#68
m/p-Xylenes
Concen: 38.012 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion: 106 Resp: 304116
Ion Ratio Lower Upper
106 100
91 199.5 160.6 240.8





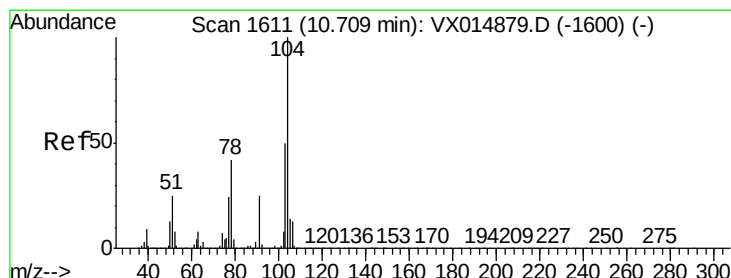
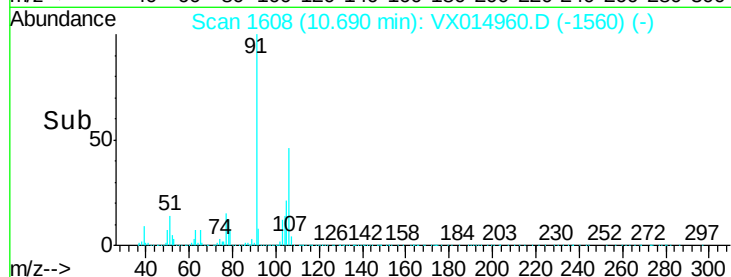
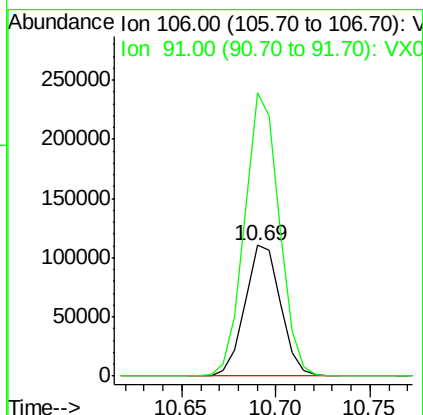
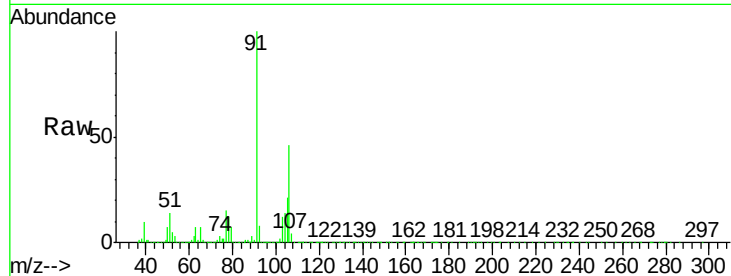
#69
o-Xylene
Concen: 18.818 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	105.1	315.3

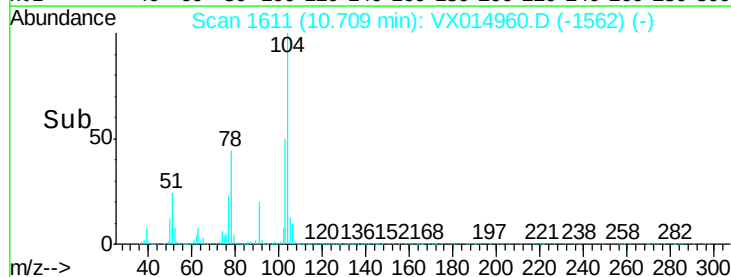
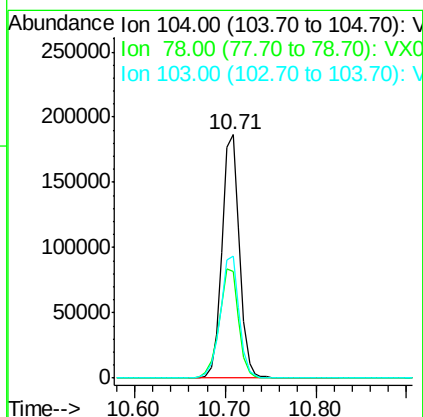
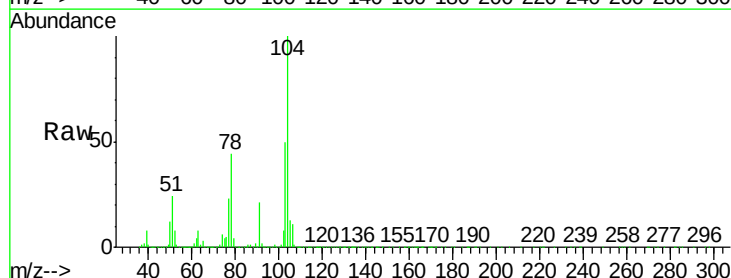
Manual Integrations
APPROVED

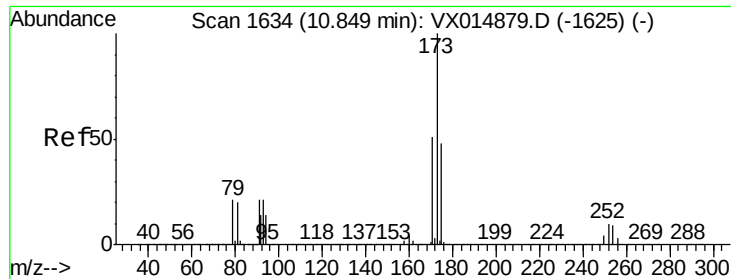
MMDadoda
2/20/2020 1:41:31 PM



#70
Styrene
Concen: 19.220 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.0	58.4
103	53.7	43.4	65.0





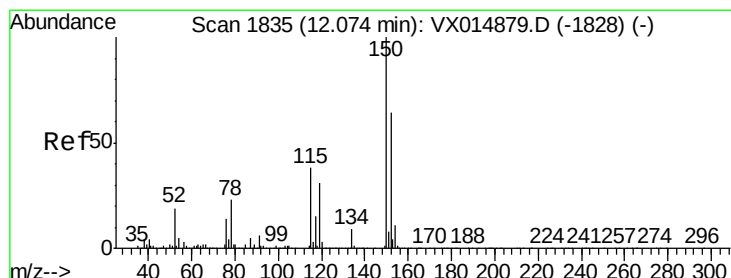
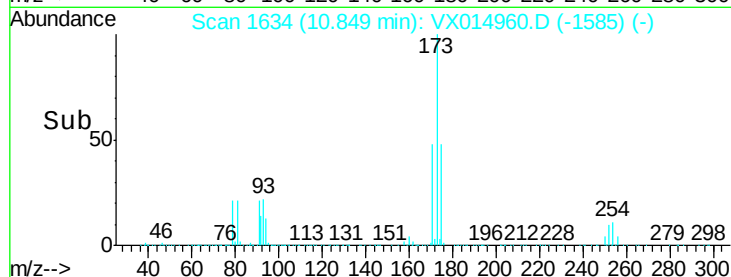
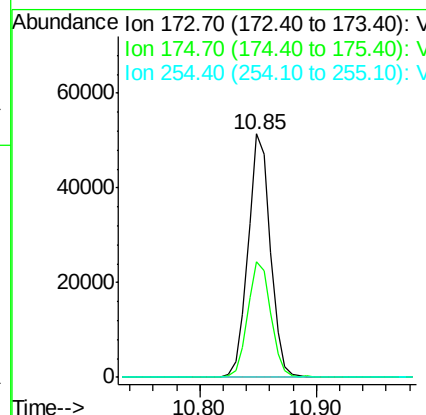
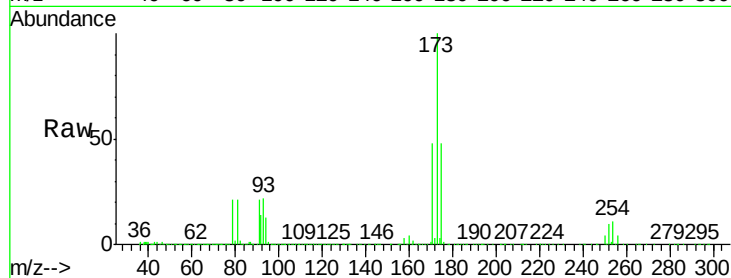
#71
Bromoform
Concen: 18.678 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.2	0.2	0.2

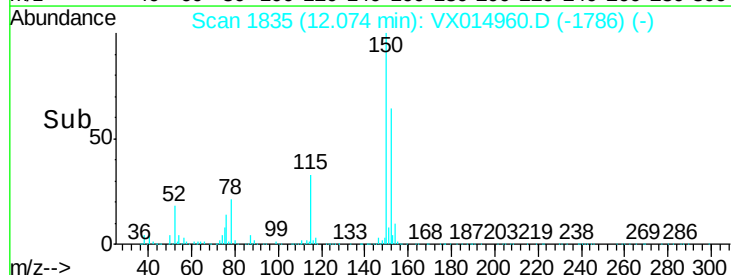
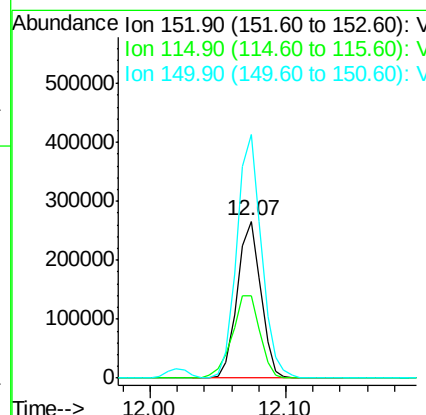
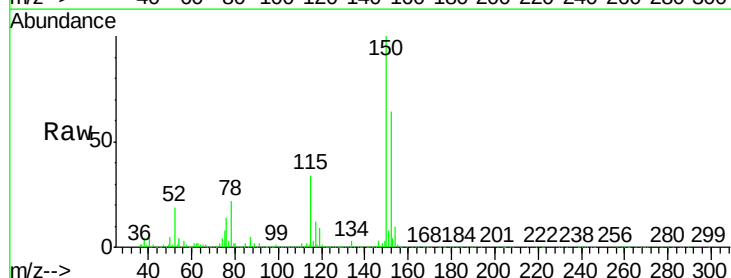
Manual Integrations
APPROVED

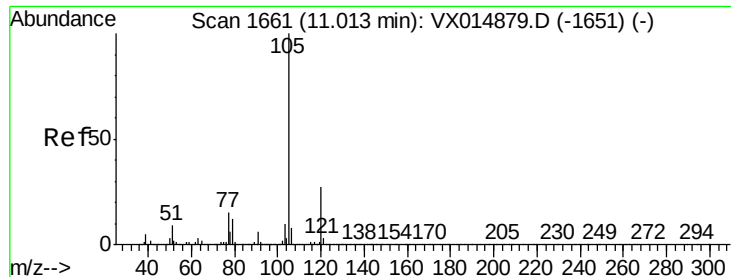
MMDadoda
2/20/2020 1:41:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	38.6	116.0
150	163.4	0.0	349.0





#73

Isopropylbenzene

Concen: 19.804 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion:105 Resp: 396794

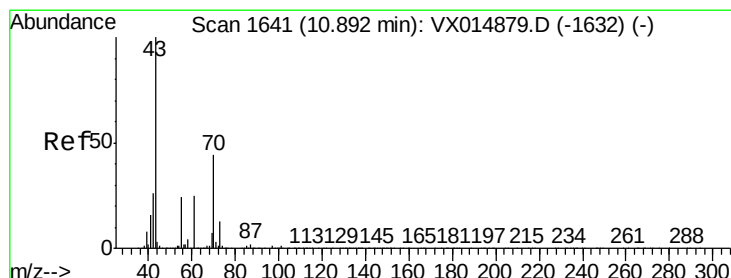
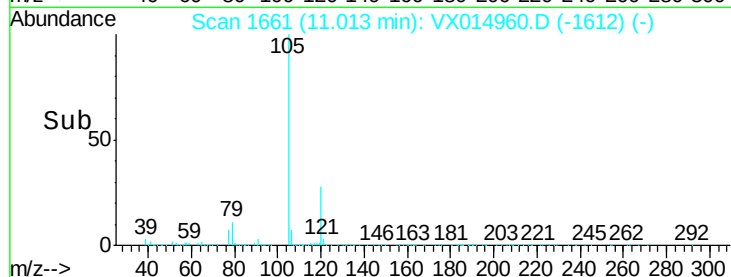
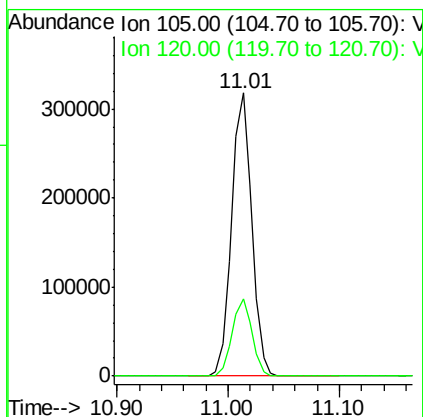
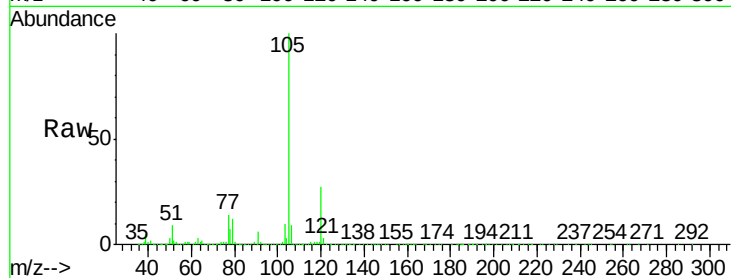
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8

Manual Integrations
APPROVED

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2/20/2020 1:41:31 PM



#74

N-ethyl acetate

Concen: 19.481 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion: 43 Resp: 162177

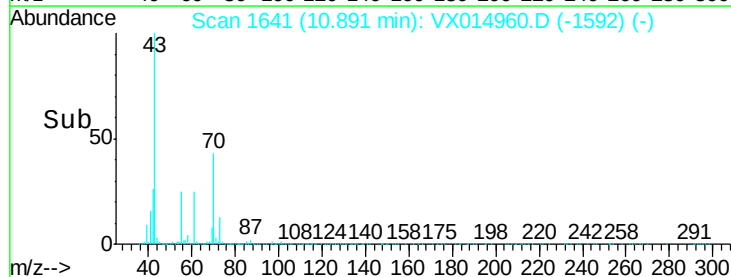
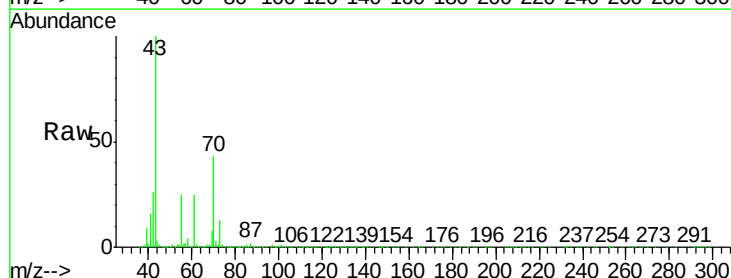
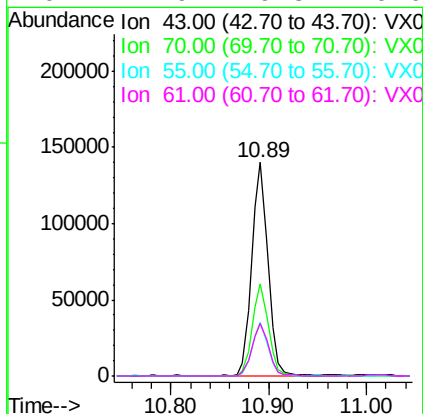
Ion Ratio Lower Upper

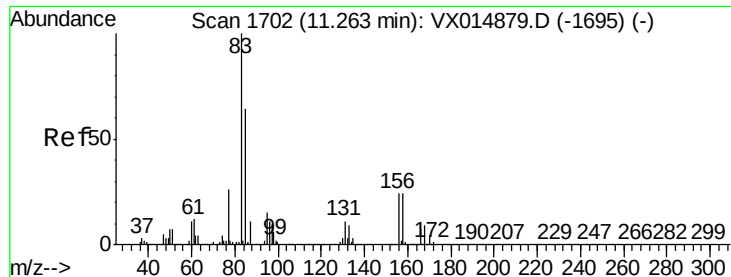
43 100

70 43.3 35.0 52.4

55 24.5 19.4 29.2

61 24.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.701 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

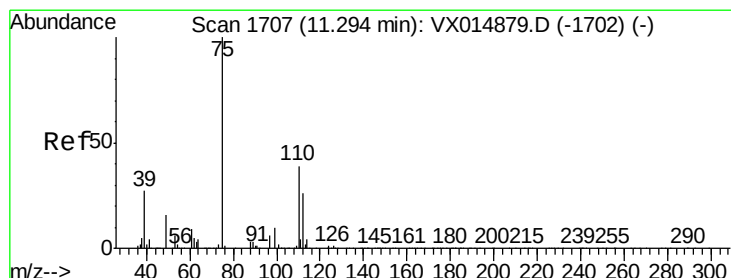
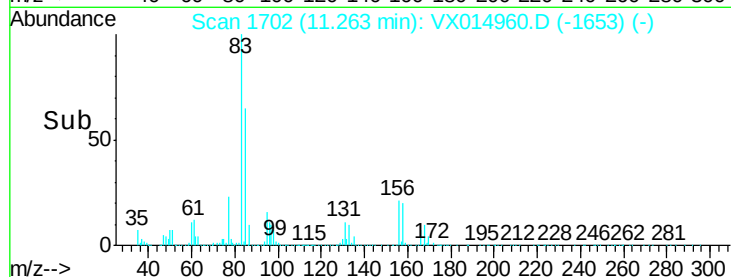
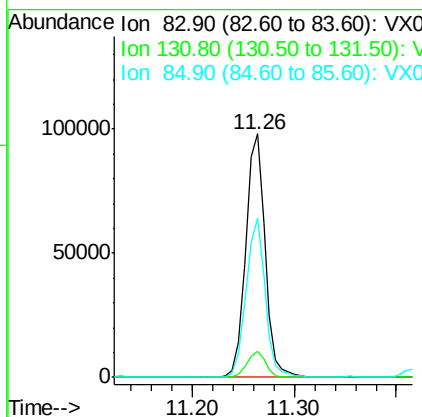
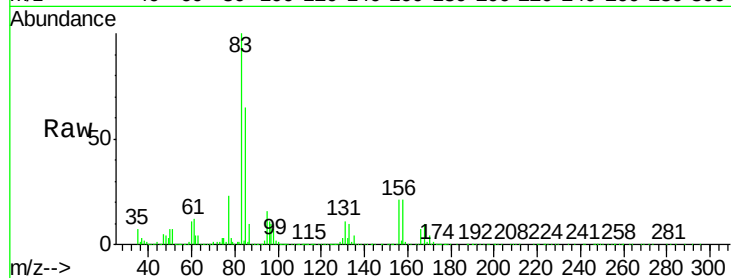
ClientSampleId :

VX0219WBSD01

Tot Ion:	83	Resp:	129034
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.9	32.6	97.7

Manual Integrations
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2/20/2020 1:41:31 PM



#76

1,2,3-Trichloropropane

Concen: 18.948 ug/l m

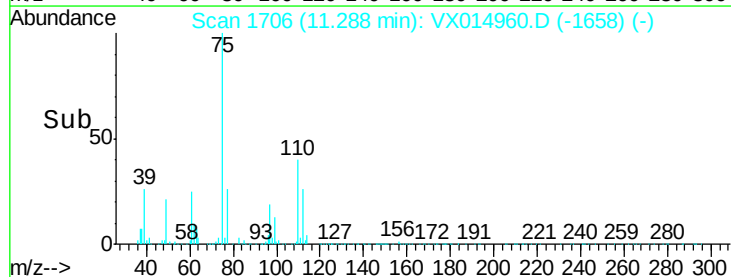
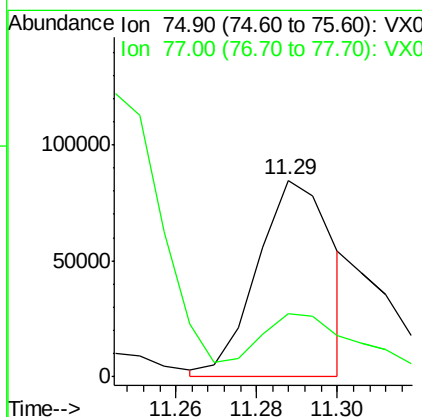
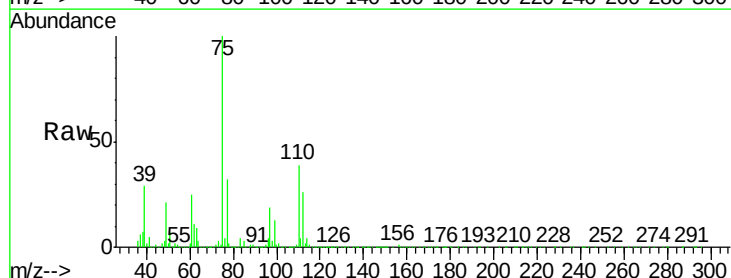
RT: 11.29 min Scan# 1706

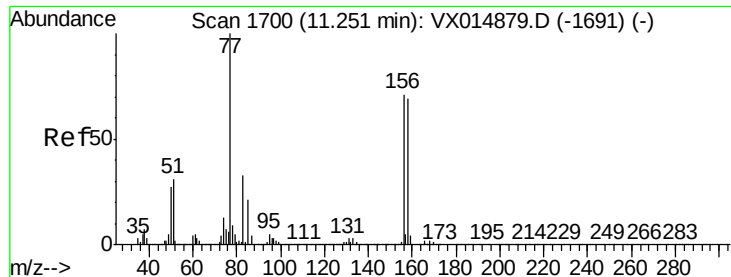
Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	75	Resp:	109471
Ion Ratio	Lower	Upper	
75	100		
77	43.9	18.4	55.0





#77

Bromobenzene

Concen: 18.830 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

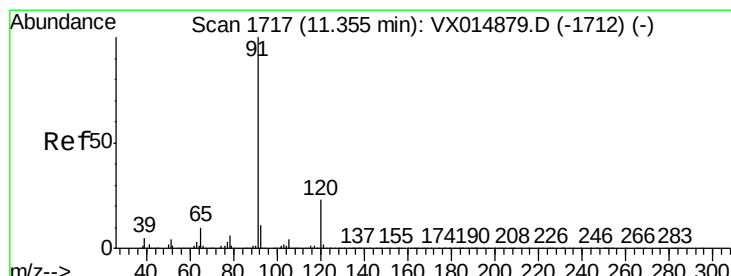
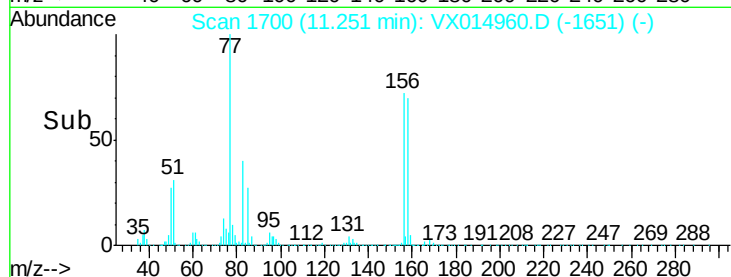
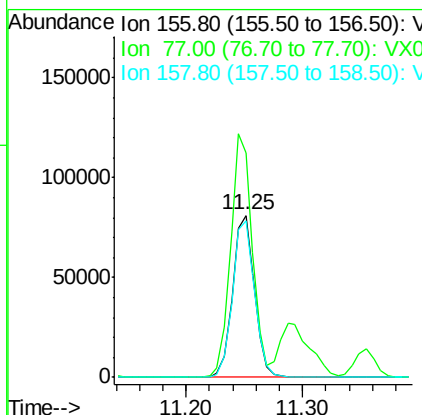
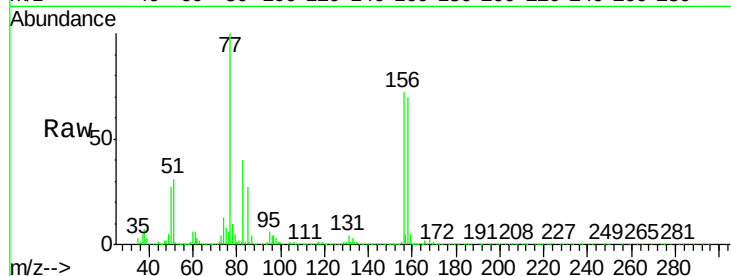
ClientSampleId :

VX0219WBSD01

Tot Ion:	156	Resp:	105301
Ion Ratio	Lower	Upper	
156	100		
77	148.8	74.0	222.0
158	98.6	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.130 ug/l

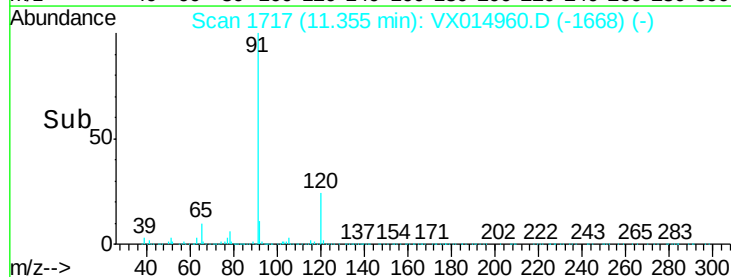
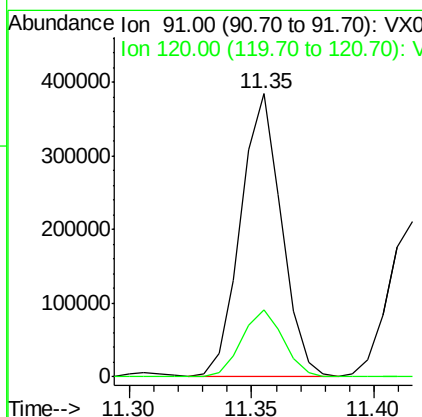
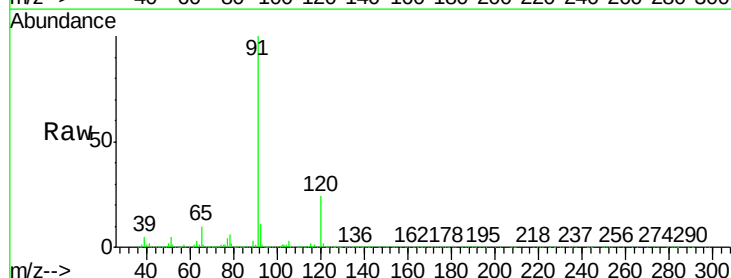
RT: 11.35 min Scan# 1717

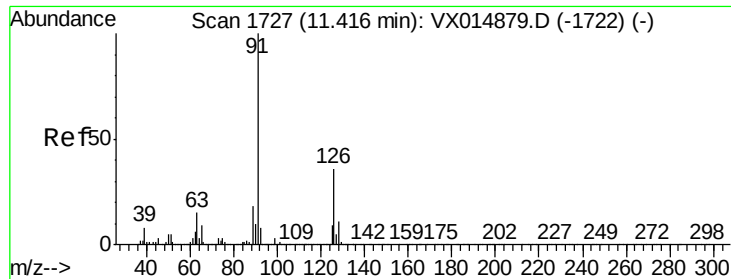
Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion:	91	Resp:	443319
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.8	35.4





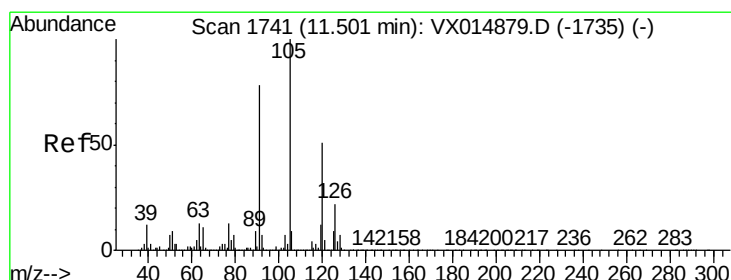
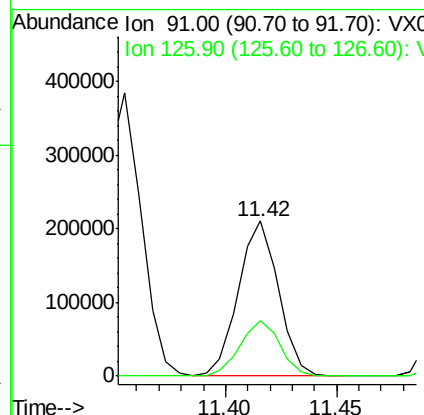
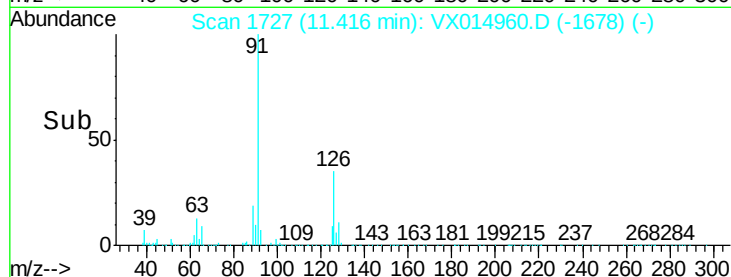
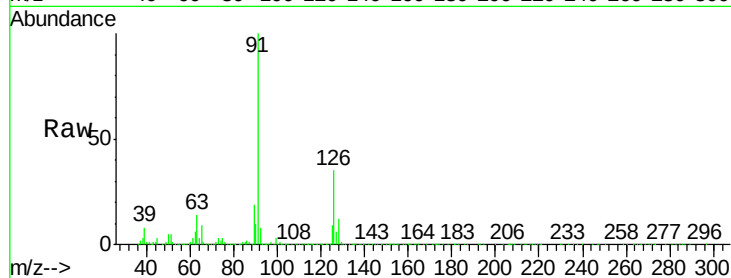
#79
2-Chlorotoluene
Concen: 19.276 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion: 91 Resp: 262605
Ion Ratio Lower Upper
91 100
126 35.9 18.0 54.0

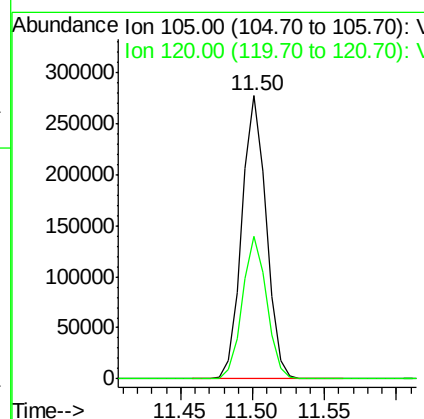
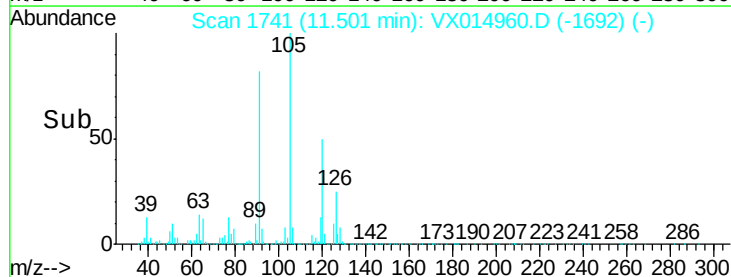
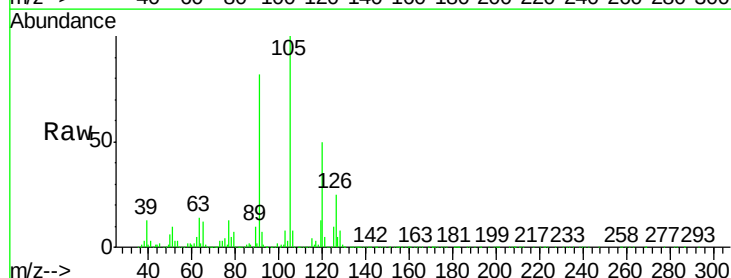
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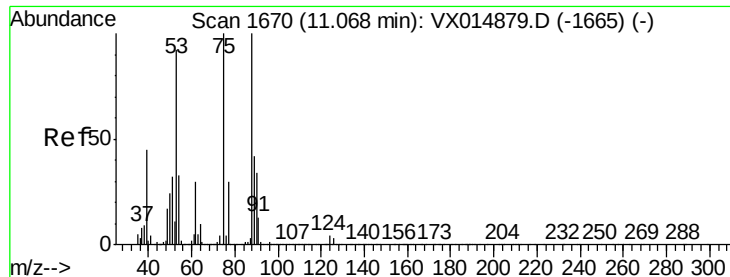
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.520 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion: 105 Resp: 326783
Ion Ratio Lower Upper
105 100
120 50.1 25.6 76.6





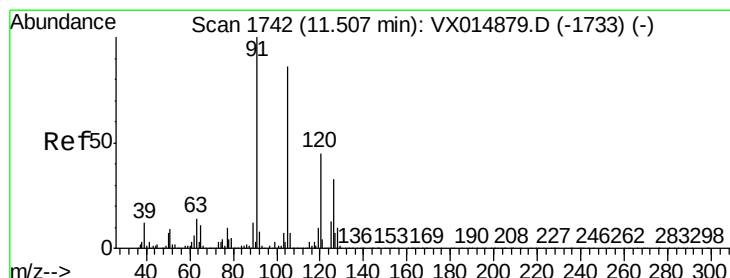
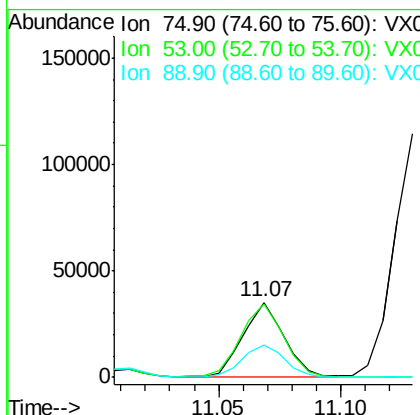
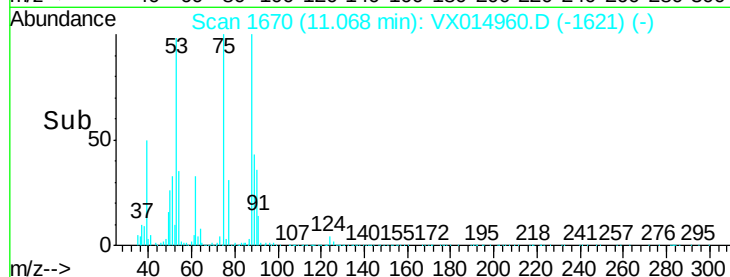
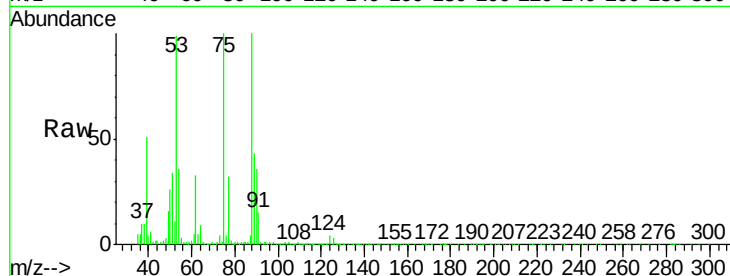
#81
trans-1,4-Dichloro-2-butene
Concen: 18.135 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	76.2	114.2
89	46.2	35.8	53.6

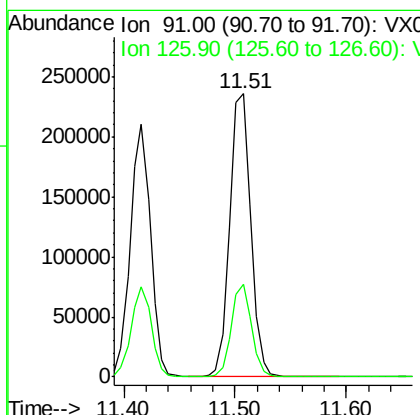
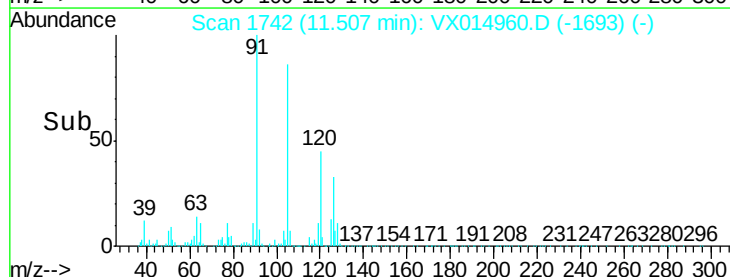
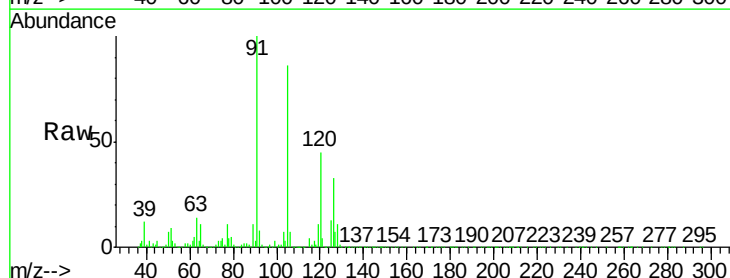
Manual Integrations
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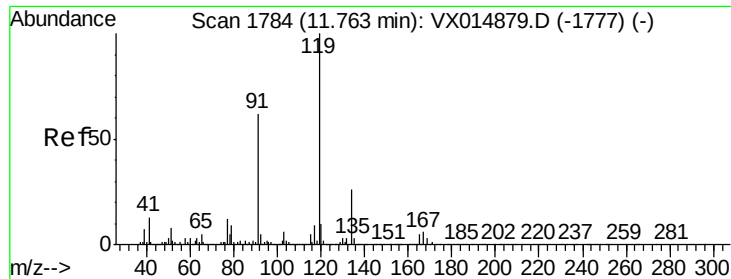
MMDadoda
2/20/2020 1:41:31 PM



#82
4-Chlorotoluene
Concen: 19.057 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.0





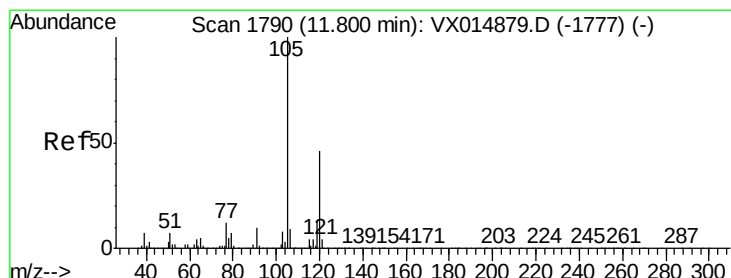
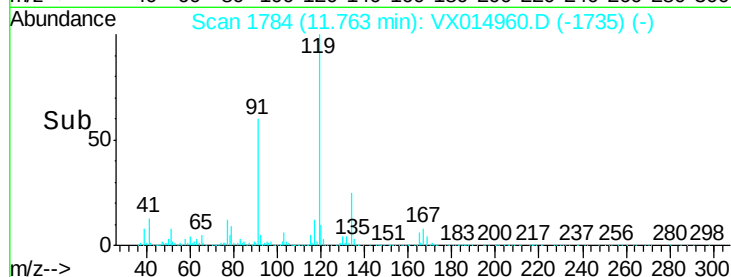
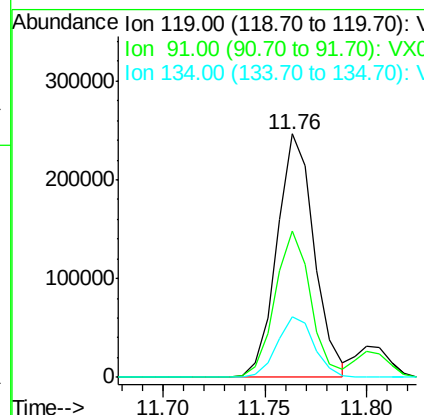
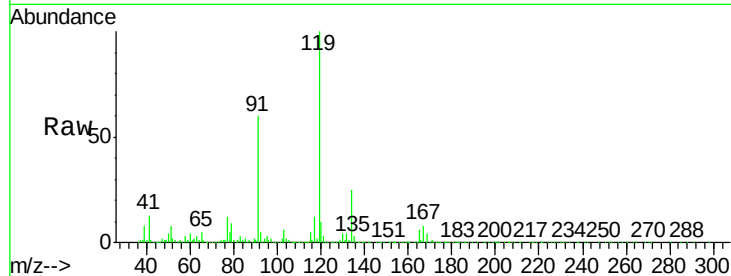
#83
tert-Butylbenzene
Concen: 19.752 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	313133		
91	57.6	29.5	88.6	
134	24.7	12.6	37.6	

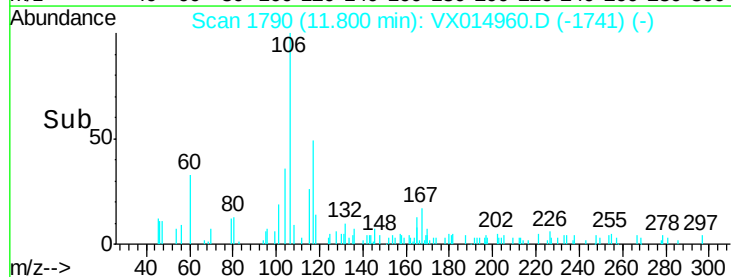
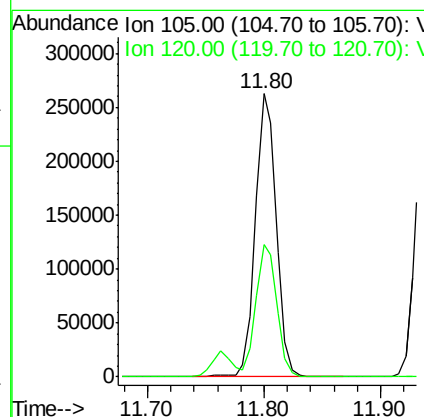
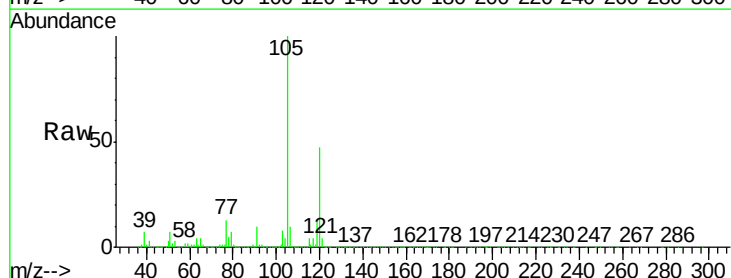
Manual Integrations
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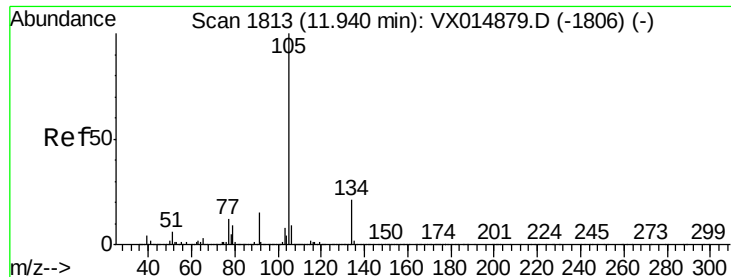
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#84
1,2,4-Trimethylbenzene
Concen: 19.492 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	328863		
120	46.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.439 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBSD01

Tot Ion:105 Resp: 382844

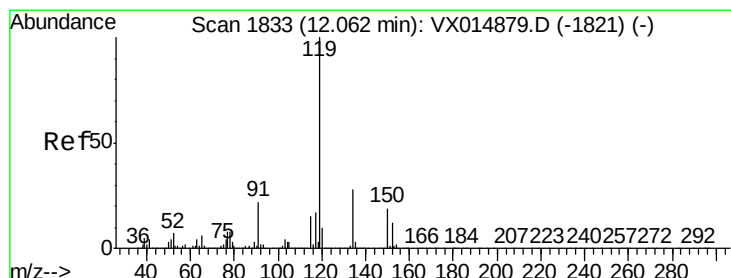
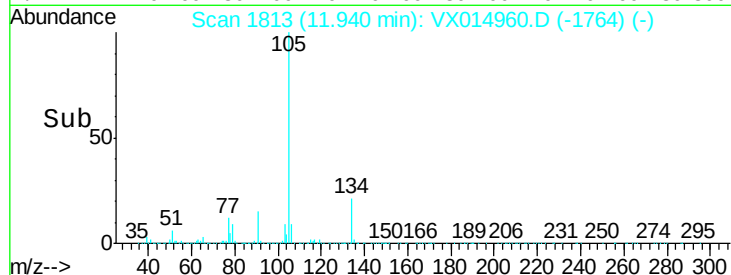
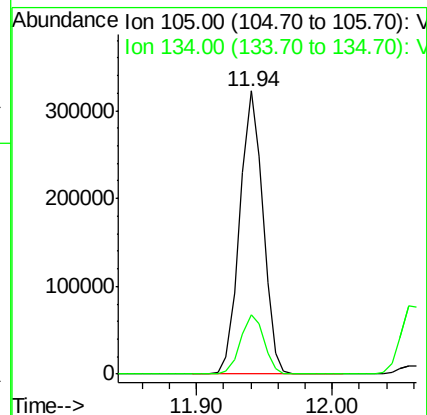
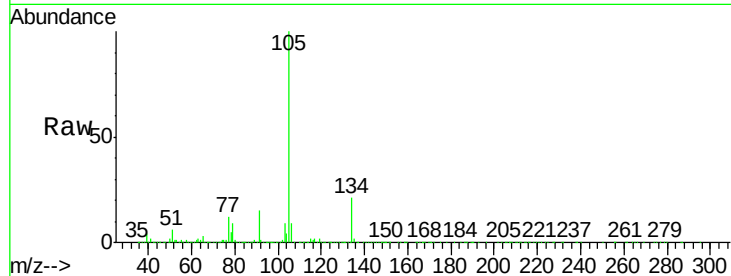
Ion Ratio Lower Upper

105 100

134 21.5 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 19.407 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

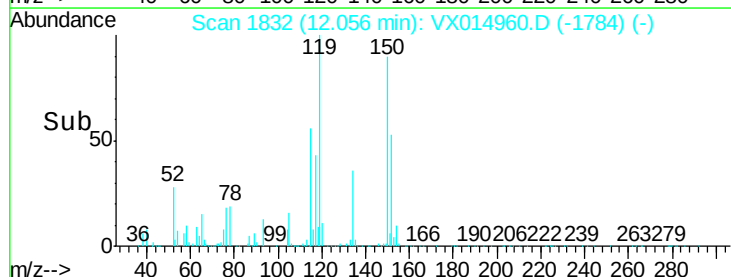
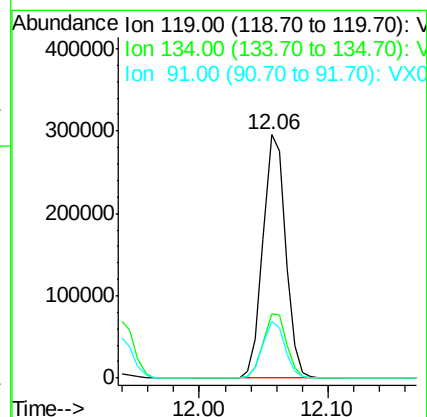
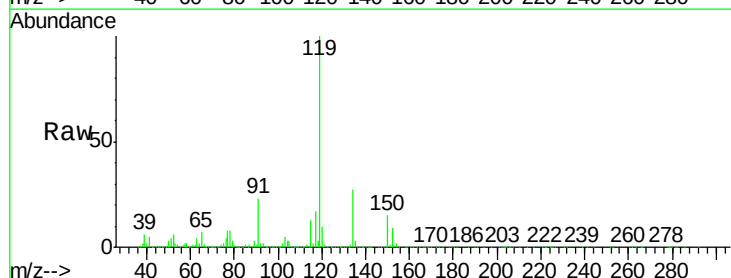
Tgt Ion:119 Resp: 357655

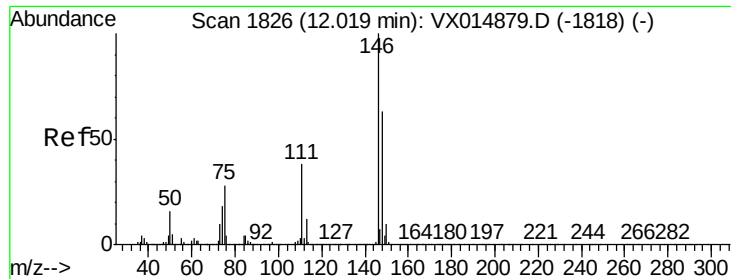
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.7 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 18.833 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

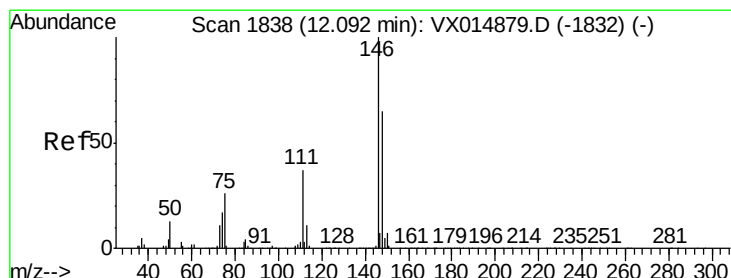
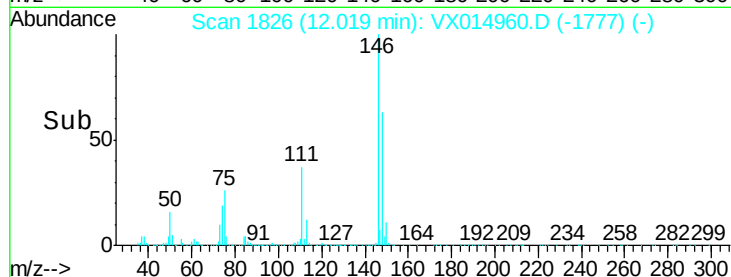
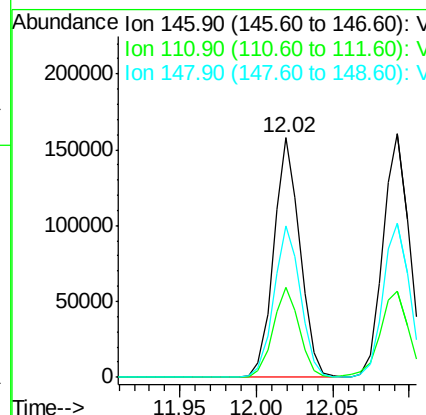
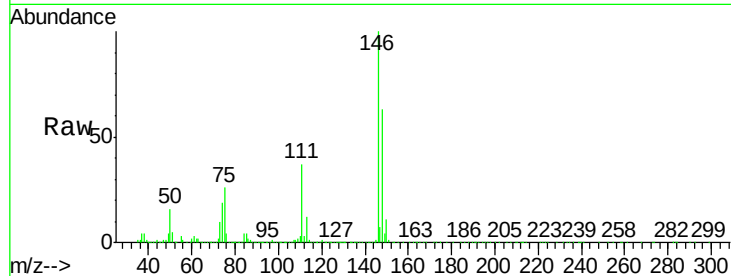
Instrument :
MSVOA_X

ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	64.2	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.649 ug/l

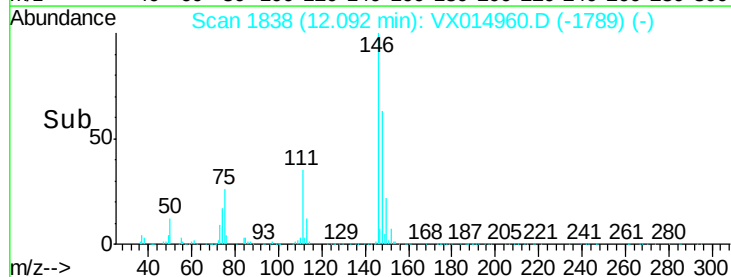
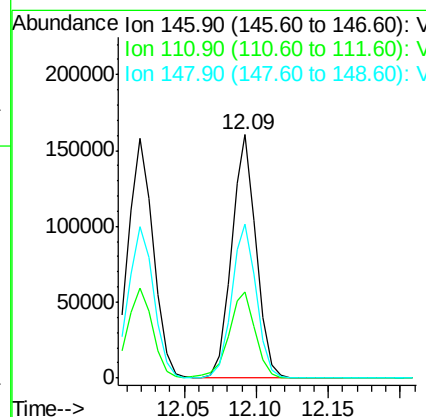
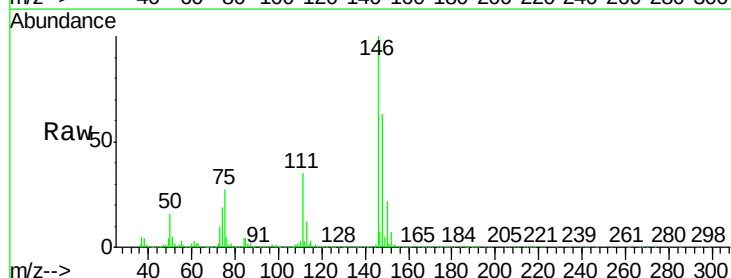
RT: 12.09 min Scan# 1838

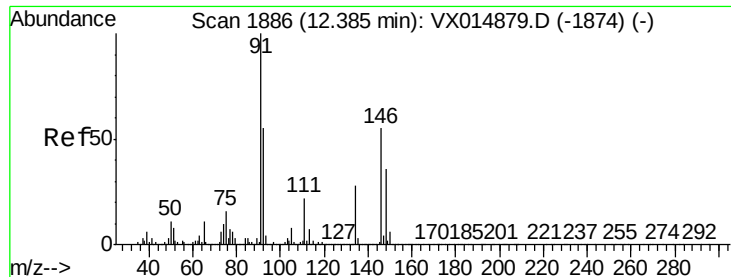
Delta R.T. -0.00 min

Lab File: VX014960.D

Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	64.1	32.4	97.0





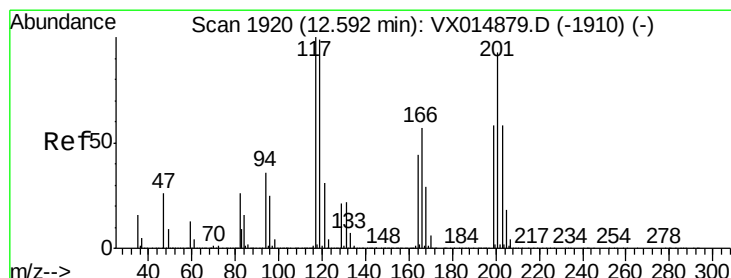
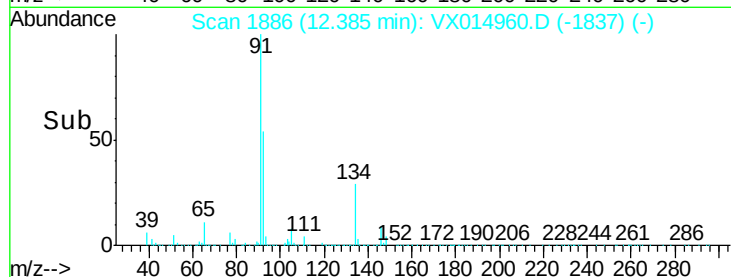
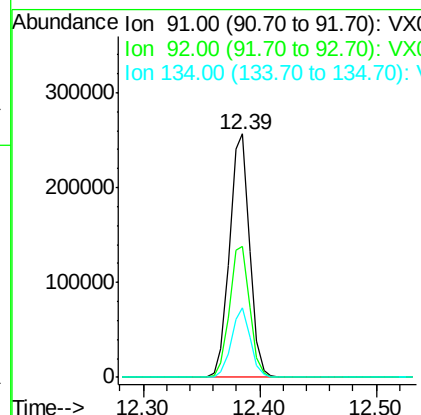
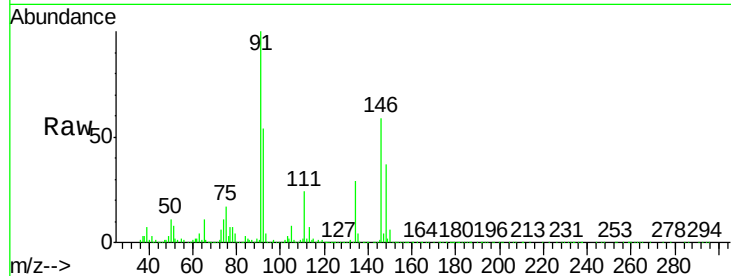
#89
n-Butylbenzene
Concen: 18.414 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.8
134	27.4	13.8	41.4

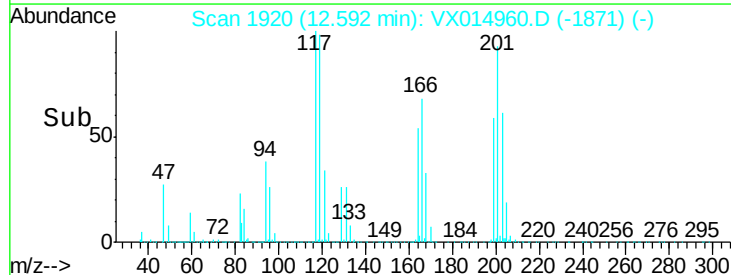
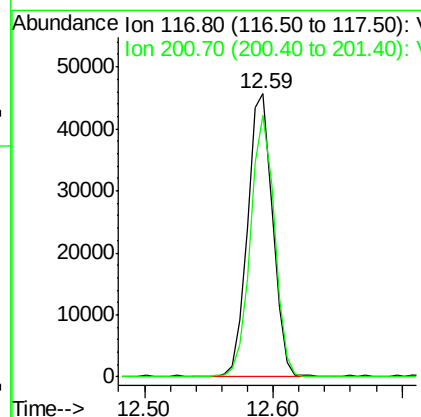
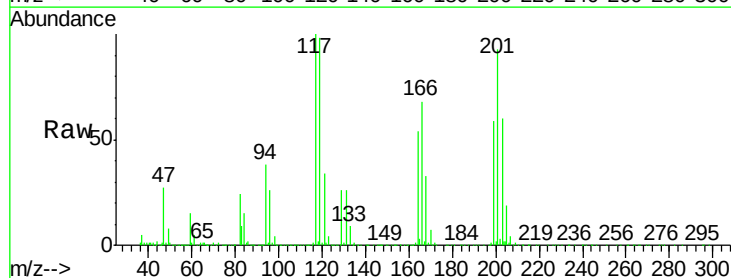
Manual Integrations
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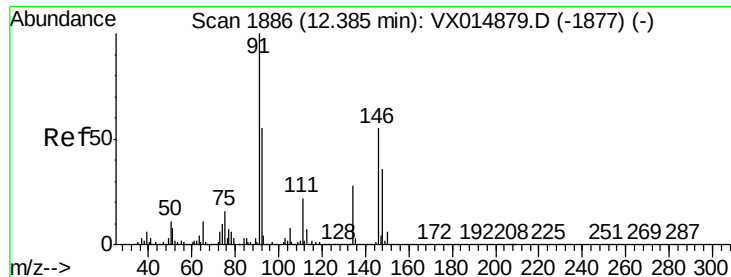
MMDadoda
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#90
Hexachloroethane
Concen: 19.022 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	44.8	134.3





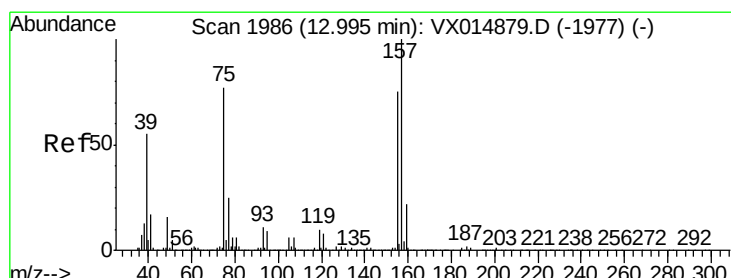
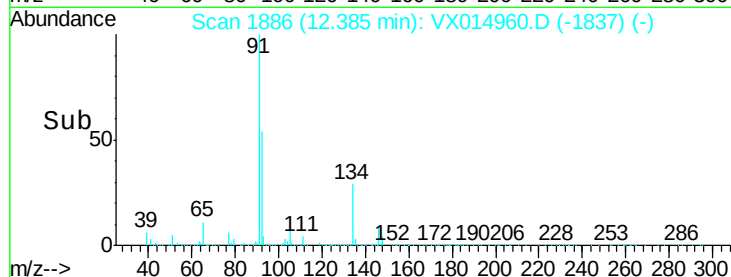
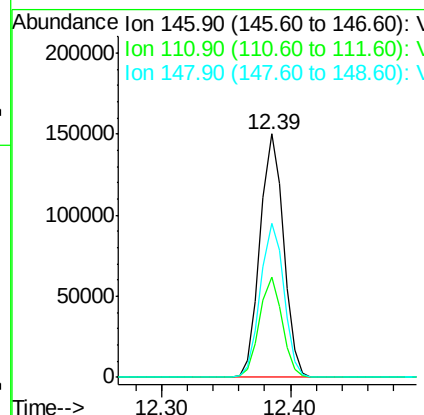
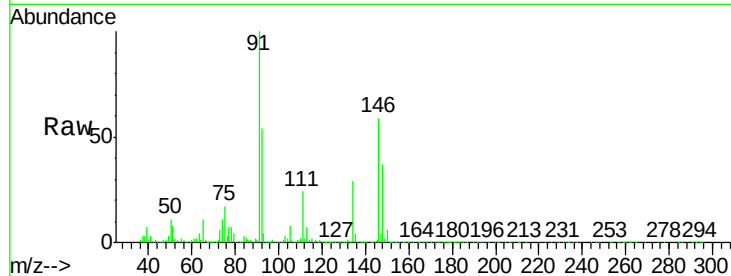
#91
 1,2-Dichlorobenzene
 Concen: 19.143 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188335		
111	39.7	19.8	59.3	
148	63.7	32.4	97.2	

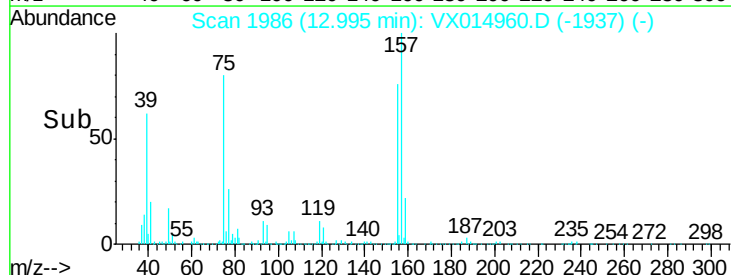
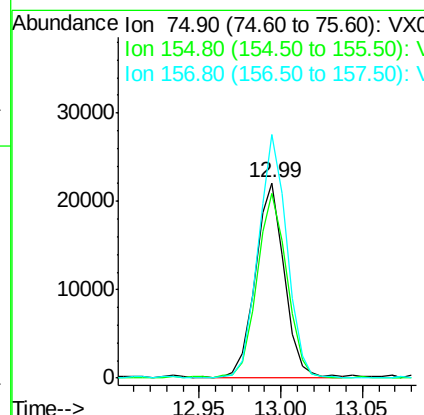
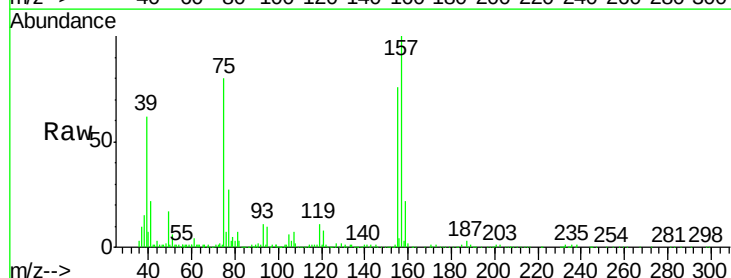
Manual Integrations
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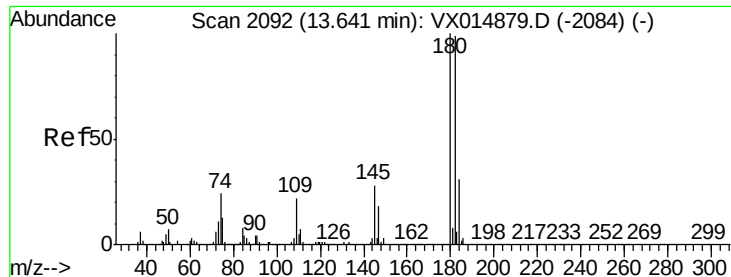
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.669 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27150		
155	99.4	48.6	145.9	
157	124.6	62.0	186.0	





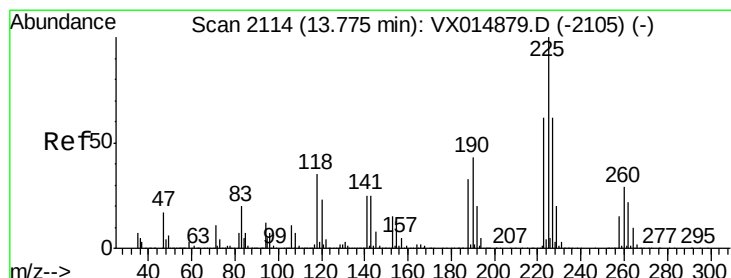
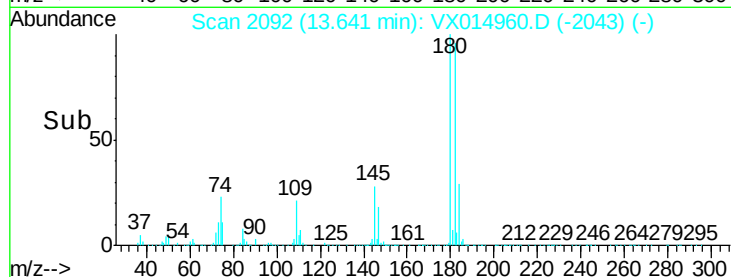
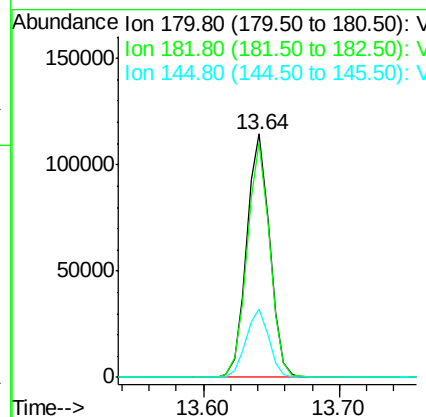
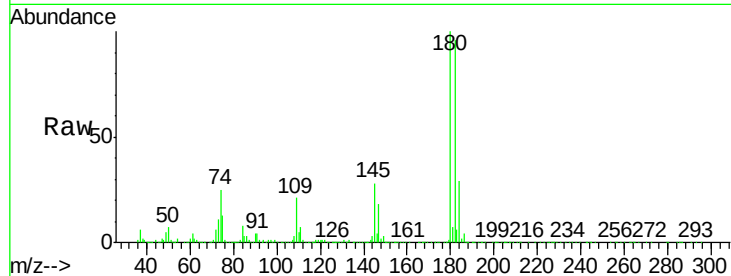
#93
 1,2,4-Trichlorobenzene
 Concen: 18.609 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBSD01

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.3	48.4	145.3
145	28.3	14.1	42.4

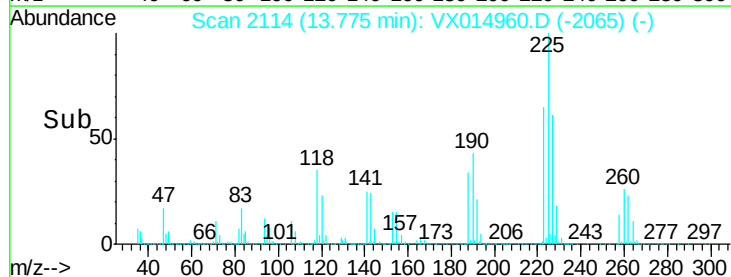
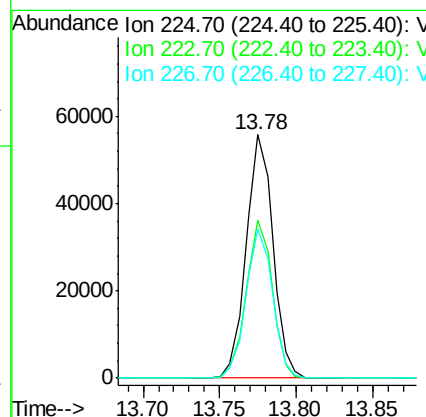
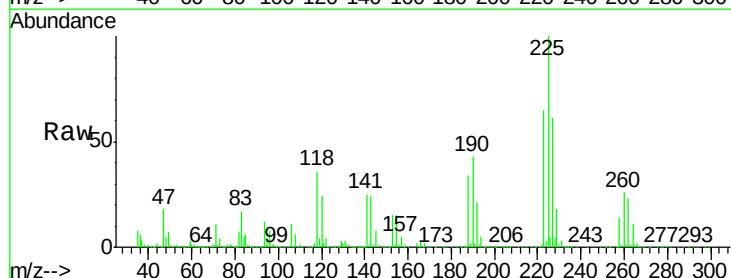
Manual Integrations
 APPROVED

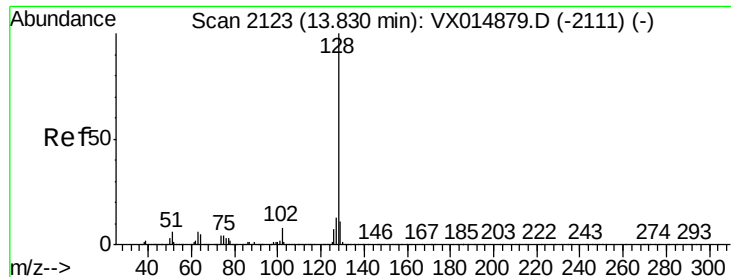
MMDadoda
 2/20/2020 1:41:31 PM



#94
 Hexachlorobutadiene
 Concen: 19.236 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014960.D
 Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.4	31.1	93.2
227	61.3	30.9	92.5





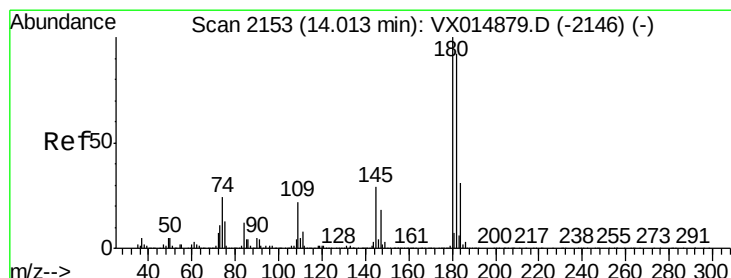
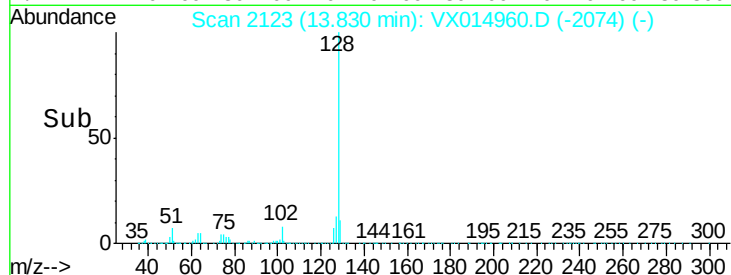
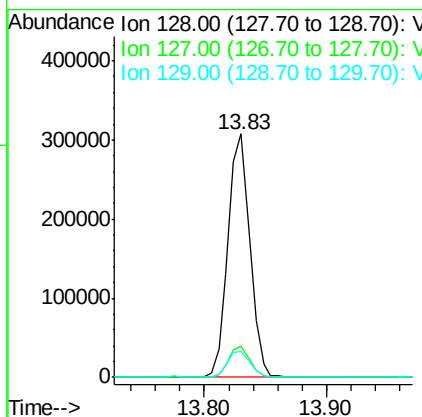
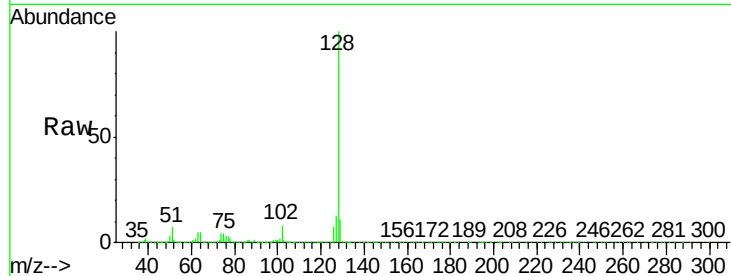
#95
Naphthalene
Concen: 19.696 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	380288		
127	12.7		10.4	15.6
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/20/2020 1:41:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.286 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014960.D
Acq: 19 Feb 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	135310		
182	96.2		47.5	142.6
145	29.4		14.5	43.5

