

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015990.D
 Acq On : 30 Apr 2020 11:39
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:14 PM

Quant Time: Apr 30 12:45:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49636	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	274164	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	256136	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	111937	28.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.43%
60) 4-Bromofluorobenzene	11.12	95	130802	30.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.53%
63) Toluene-d8	8.70	98	327826	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	374398	127.787	ug/l 99
3) Chloromethane	1.31	50	343578	107.363	ug/l 98
4) Vinyl Chloride	1.39	62	394569	120.892	ug/l 99
5) Bromomethane	1.62	94	199549	108.691	ug/l 97
6) Chloroethane	1.70	64	255915	123.622	ug/l 97
7) Trichlorofluoromethane	1.91	101	566315	121.934	ug/l 99
8) Diethyl Ether	2.17	74	221302	123.461	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	287074	105.381	ug/l 99
10) 1,1-Dichloroethene	2.36	96	290464	105.255	ug/l 98
11) Methyl Iodide	2.49	142	426057	116.262	ug/l 100
12) Methyl Acetate	2.75	43	522299	118.657	ug/l 100
13) Acrolein	2.27	56	203380	440.104	ug/l 100
14) Acrylonitrile	3.12	53	947896	546.320	ug/l 99
15) Acetone	2.42	58	248323	556.530	ug/l 99
16) Carbon Disulfide	2.55	76	876494	107.090	ug/l 99
17) Allyl chloride	2.70	41	540279	93.180	ug/l 98
18) Methylene Chloride	2.84	84	324565	105.100	ug/l 95
19) trans-1,2-Dichloroethene	3.14	96	322971	108.015	ug/l 97
20) Diisopropyl ether	3.82	45	1057708	100.006	ug/l 92
21) 1,1-Dichloroethane	3.67	63	583803	104.073	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	363159	106.214	ug/l 99
23) tert-Butyl Alcohol	3.03	59	461813m	543.289	ug/l
24) Methyl tert-Butyl Ether	3.17	73	1057281	105.088	ug/l 98
25) Chloroform	5.18	83	588926	104.955	ug/l 96
26) Cyclohexane	5.55	56	538131	101.385	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	452287	108.182	ug/l 99
30) 2-Butanone	4.64	43	1351959	542.891	ug/l 99
31) 2,2-Dichloropropane	4.55	77	539276	107.263	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	548065	107.895	ug/l 99
33) Carbon Tetrachloride	5.76	117	484966	105.355	ug/l 99
34) Benzene	6.12	78	1314848	108.682	ug/l 98
35) Methacrylonitrile	5.01	41	282317	102.377	ug/l 98
36) 1,2-Dichloroethane	6.17	62	496273	107.373	ug/l 99
37) Trichloroethene	7.19	130	440111	115.384	ug/l 99
38) Methylcyclohexane	7.44	83	552222	108.208	ug/l 99
39) 1,2-Dichloropropane	7.49	63	335384	105.115	ug/l 98
40) Dibromomethane	7.64	93	234116	108.100	ug/l 99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	489018	106.635	ug/l	98
42) Vinyl Acetate	3.79	43	4487994	508.763	ug/l	99
43) Ethyl Acetate	4.80	43	533800	99.481	ug/l	100
44) Isopropyl Acetate	6.42	43	861950	102.360	ug/l	99
45) 1,4-Dioxane	7.71	88	177264	2181.266	ug/l	99
46) Methyl methacrylate	7.75	41	414658	100.664	ug/l	96
47) n-amyl Acetate	10.88	43	768726	105.043	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	573557	108.172	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	582725	106.334	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	333266	108.581	ug/l	97
51) Ethyl methacrylate	9.16	69	568411	109.665	ug/l	98
52) 1,3-Dichloropropane	9.35	76	569084	107.223	ug/l	99
53) Dibromochloromethane	9.57	129	386270	105.028	ug/l	99
54) 1,2-Dibromoethane	9.66	107	364156	109.445	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	1436220	566.976	ug/l	100
56) Bromoform	10.84	173	301301	103.023	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	2650578	544.034	ug/l	98
59) 2-Hexanone	9.48	43	2064962	553.311	ug/l	98
61) Tetrachloroethene	9.32	164	510373	127.649	ug/l	98
62) Toluene	8.77	91	1422743	108.526	ug/l	99
64) Chlorobenzene	10.12	112	913078	108.350	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	349461	104.195	ug/l	98
66) Ethyl Benzene	10.24	91	1629167	109.212	ug/l	98
67) m/p-Xylenes	10.34	106	1248350	219.851	ug/l	98
68) o-Xylene	10.68	106	607726	110.373	ug/l	98
69) Styrene	10.70	104	1069151	112.325	ug/l	100
70) Isopropylbenzene	11.01	105	1613718	109.763	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	360056	92.625	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	485189m	108.482	ug/l	
73) Bromobenzene	11.24	156	409232	105.574	ug/l	99
74) n-propylbenzene	11.35	91	1894888	112.023	ug/l	99
75) 2-Chlorotoluene	11.41	91	1107857	108.972	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1397792	111.501	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	218148	113.722	ug/l	95
78) 4-Chlorotoluene	11.49	91	1328738	112.199	ug/l	99
79) tert-butylbenzene	11.76	119	1194776	100.852	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	1394263	110.420	ug/l	99
81) sec-Butylbenzene	11.93	105	1609793	111.628	ug/l	99
82) p-Isopropyltoluene	12.05	119	1496713	110.600	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	747363	107.325	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	741465	107.028	ug/l	100
85) n-Butylbenzene	12.37	91	1380244	113.966	ug/l	99
86) Hexachloroethane	12.58	117	270773	107.460	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	718548	106.129	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	128262	106.384	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	533658	100.380	ug/l	99
90) Hexachlorobutadiene	13.77	225	222118	83.086	ug/l	96
91) Naphthalene	13.82	128	1693796	107.840	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	516768	99.461	ug/l	96

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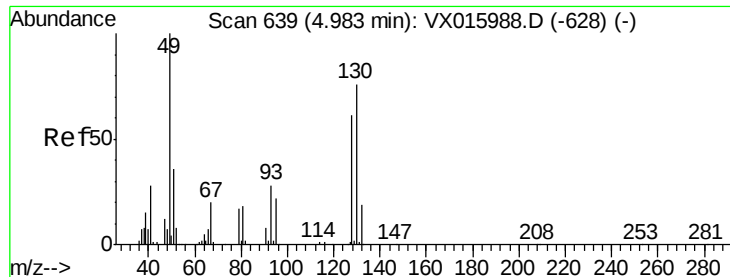
Manual Integrations
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5/4/2020 3:10:14 PM

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

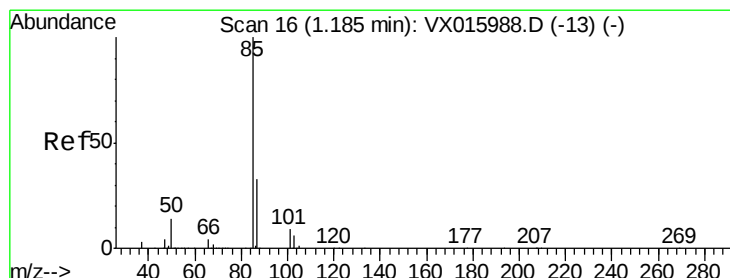
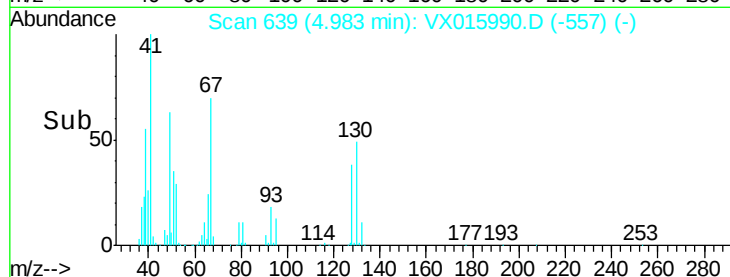
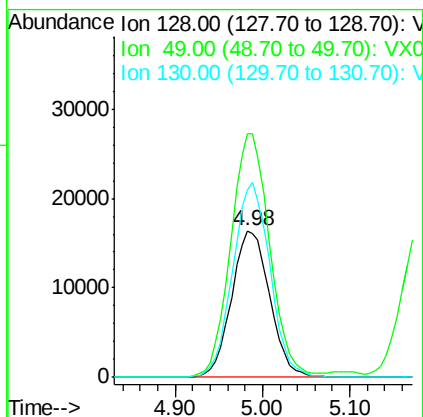
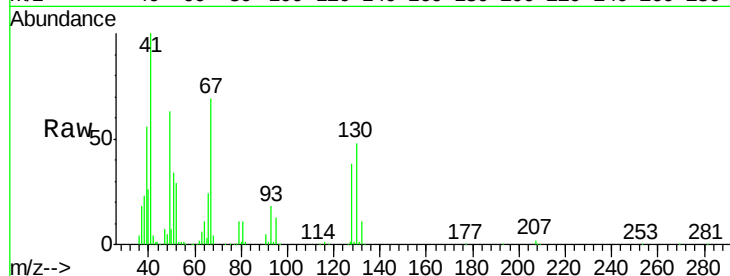
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	49636
Ion	Ratio	Lower	Upper
128	100		
49	169.7	0.0	418.5
130	129.7	0.0	326.3

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#2

Dichlorodifluoromethane

Concen: 127.787 ug/l

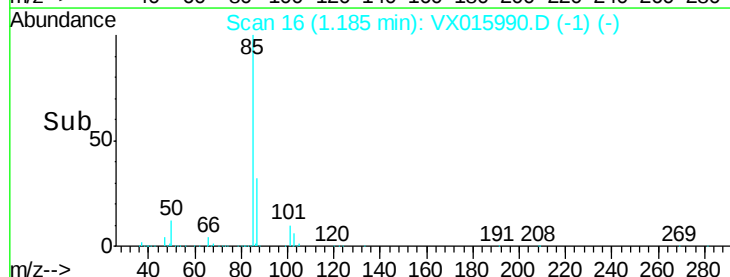
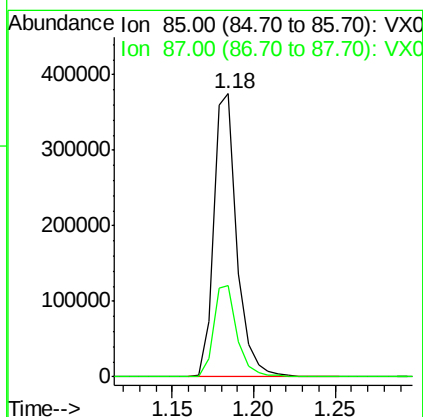
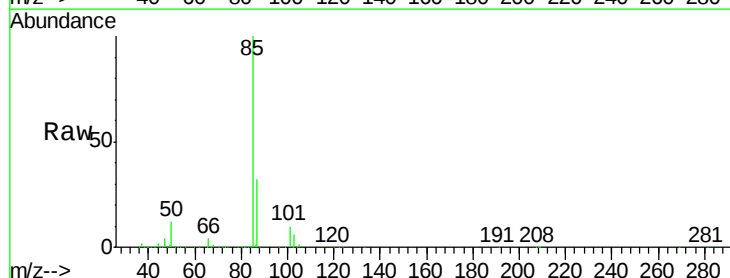
RT: 1.18 min Scan# 16

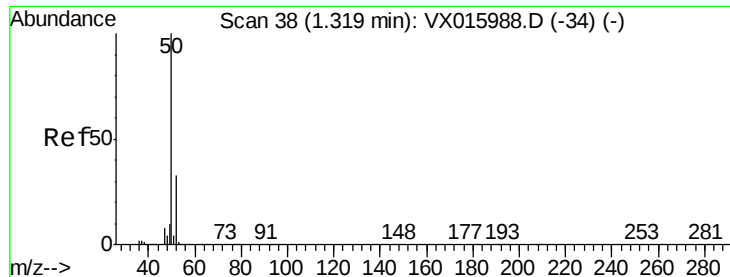
Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	85	Resp:	374398
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.7





#3

Chloromethane

Concen: 107.363 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 343578

Ion Ratio Lower Upper

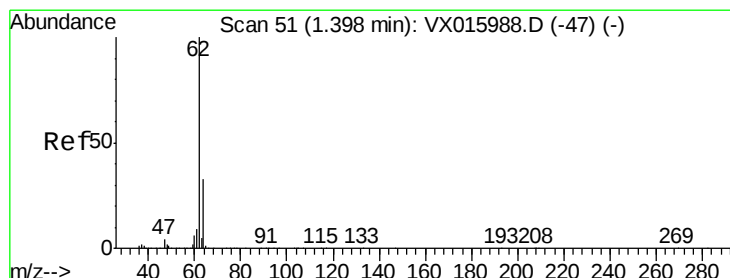
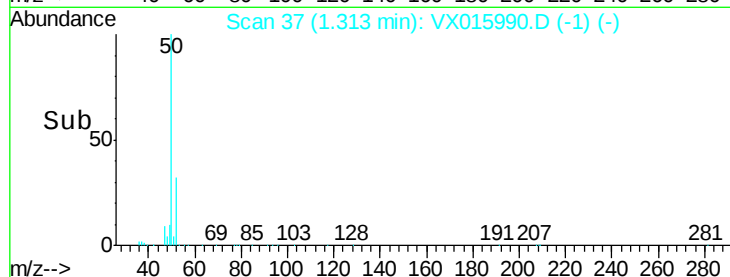
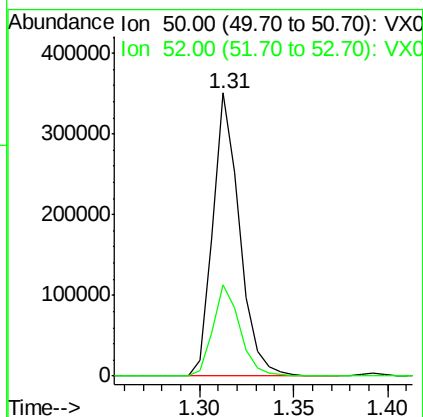
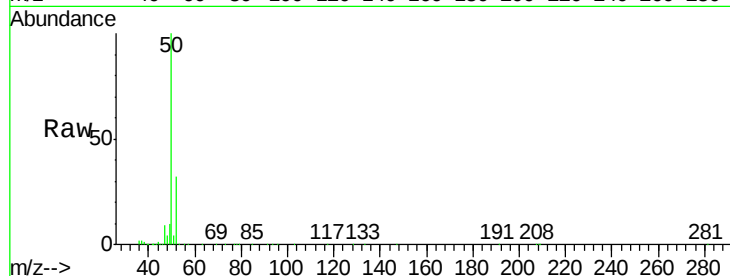
50 100

52 32.2 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 120.892 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX015990.D

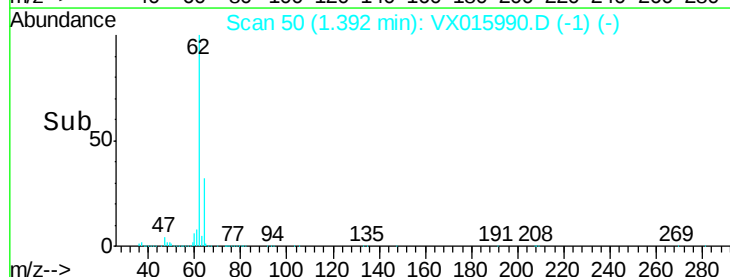
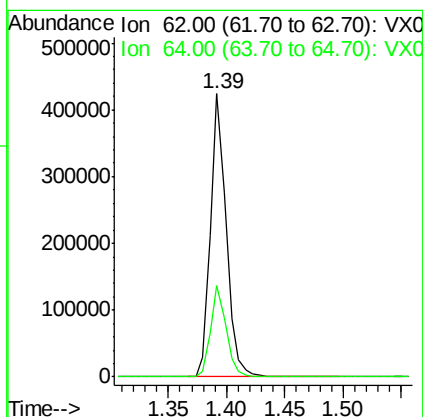
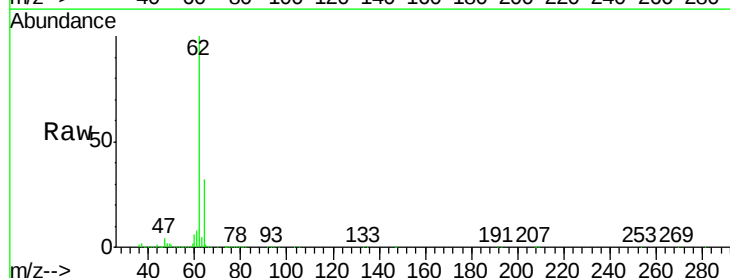
Acq: 30 Apr 2020 11:39

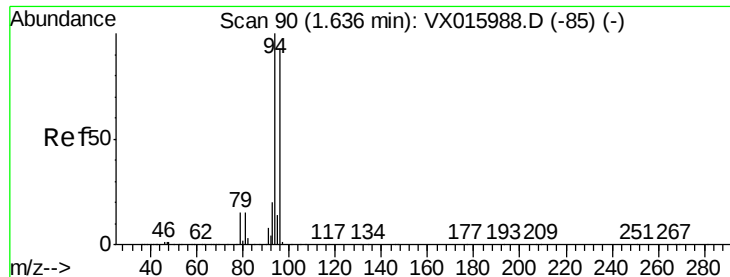
Tgt Ion: 62 Resp: 394569

Ion Ratio Lower Upper

62 100

64 32.3 26.3 39.5





#5

Bromomethane

Concen: 108.691 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 199549

Ion Ratio Lower Upper

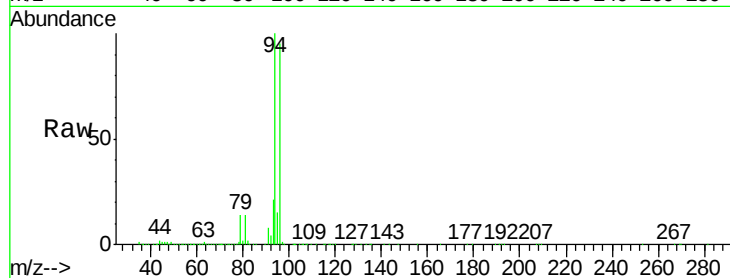
94 100

96 95.2 74.2 111.2

Manual Integrations
APPROVED

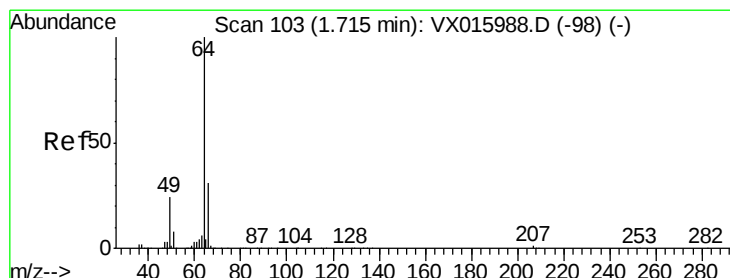
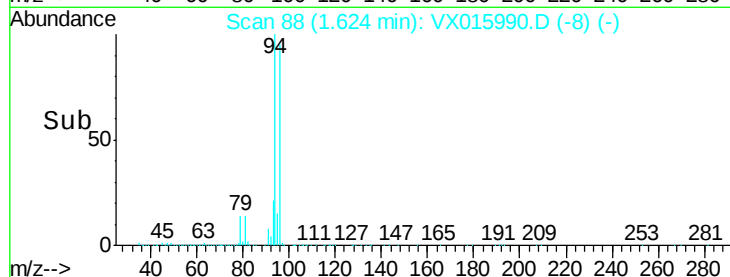
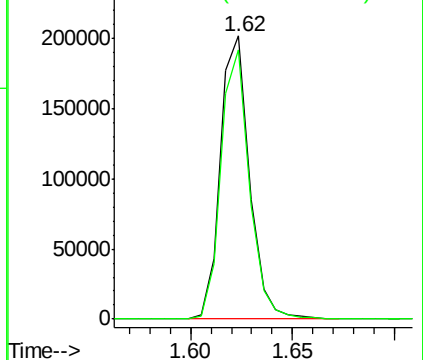
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 123.622 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX015990.D

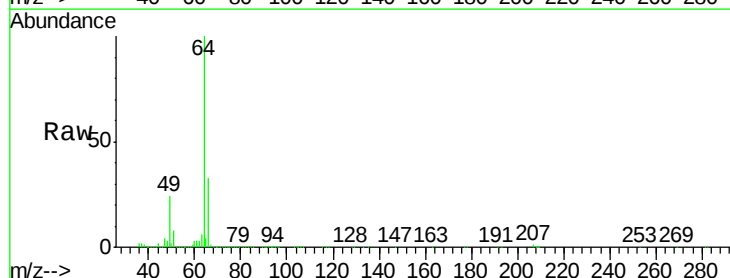
Acq: 30 Apr 2020 11:39

Tgt Ion: 64 Resp: 255915

Ion Ratio Lower Upper

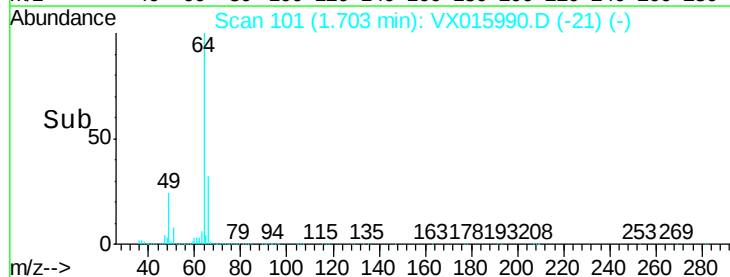
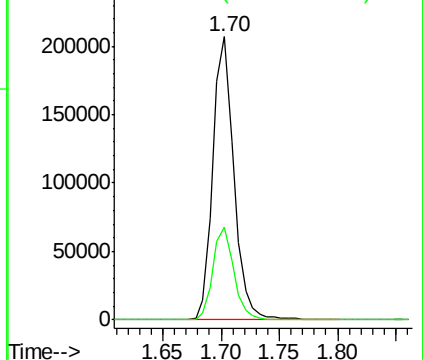
64 100

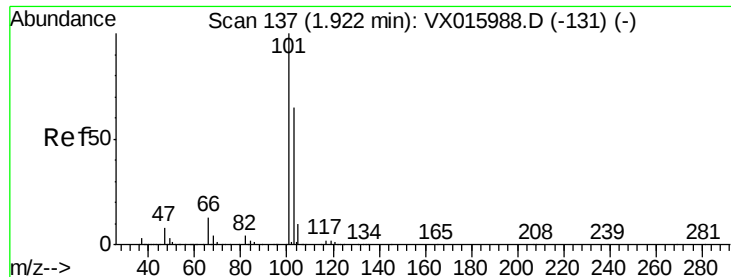
66 32.5 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

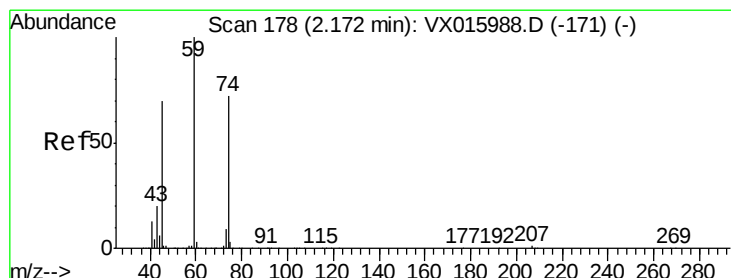
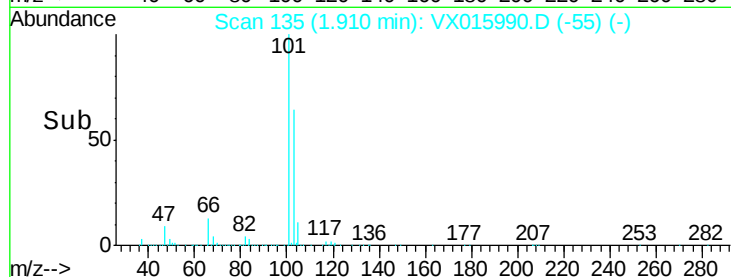
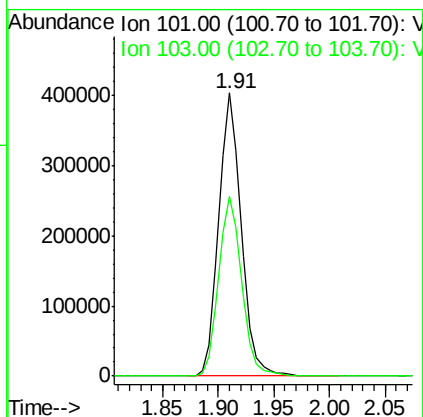
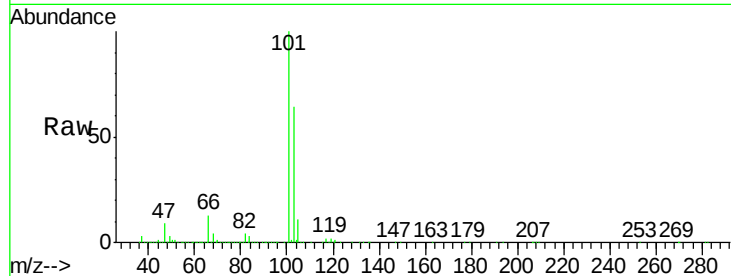
Trichlorofluoromethane
Concen: 121.934 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		566315		
103	63.6	51.8	77.8		

Manual Integrations
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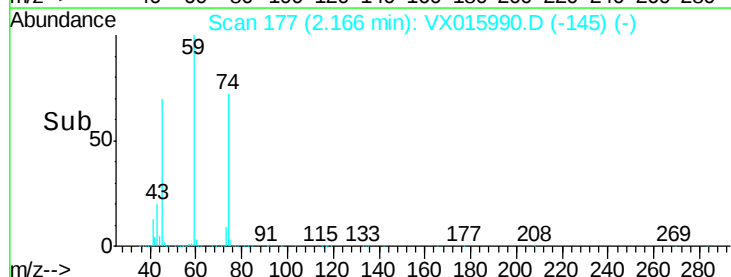
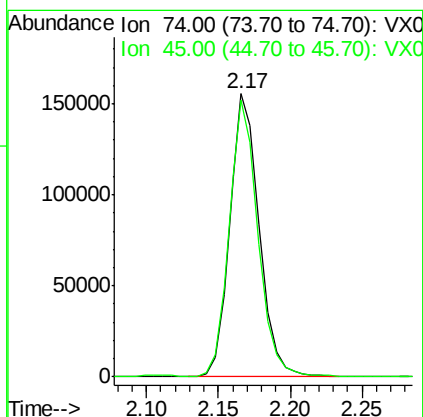
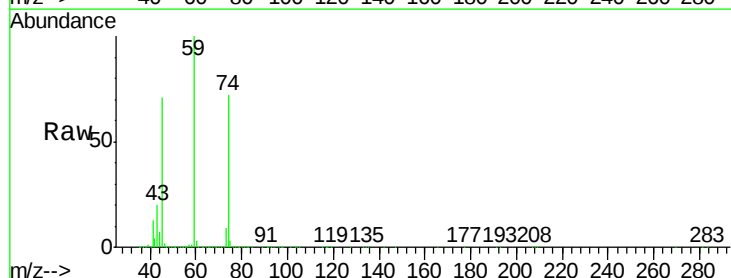
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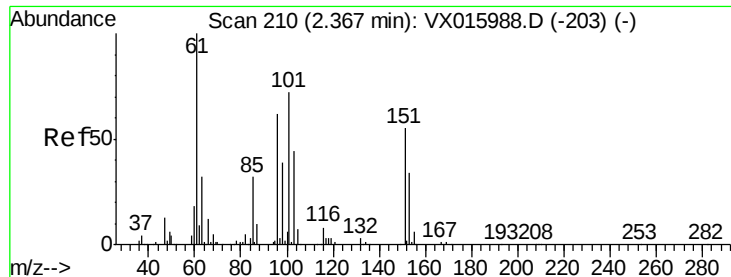


#8

Diethyl Ether
Concen: 123.461 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		221302		
45	95.9	19.4	174.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.381 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

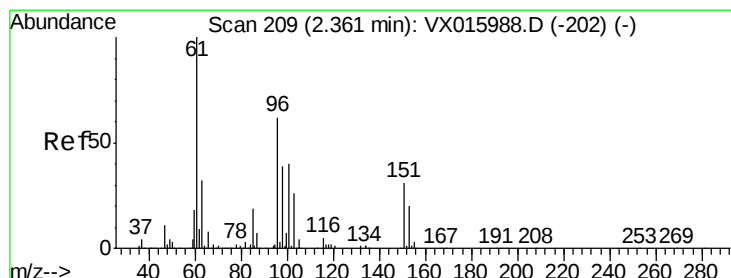
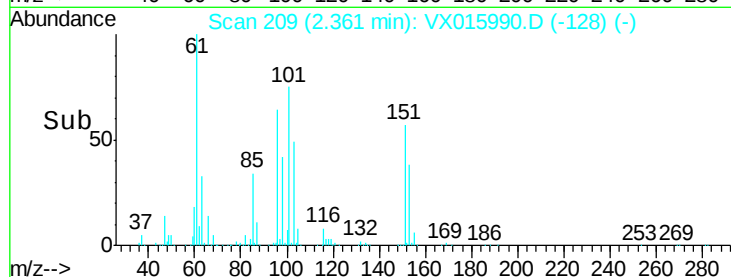
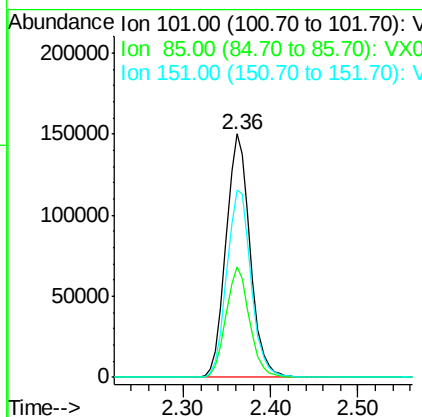
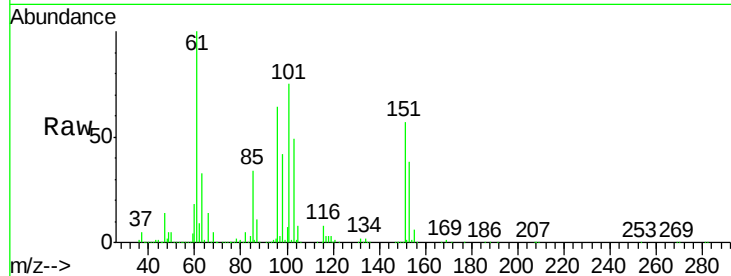
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	287074
Ion Ratio	Lower	Upper	
101	100		
85	44.3	0.0	90.6
151	77.8	0.0	157.0

Manual Integrations
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5/4/2020 3:10:14 PM



#10

1,1-Dichloroethene

Concen: 105.255 ug/l

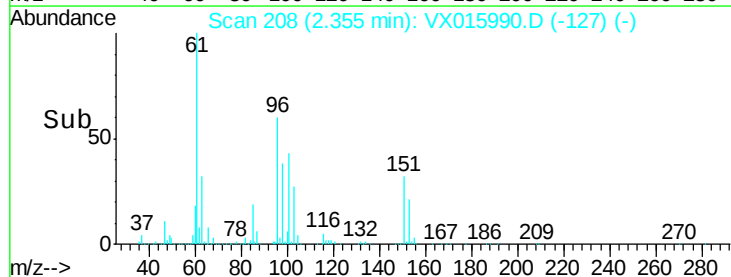
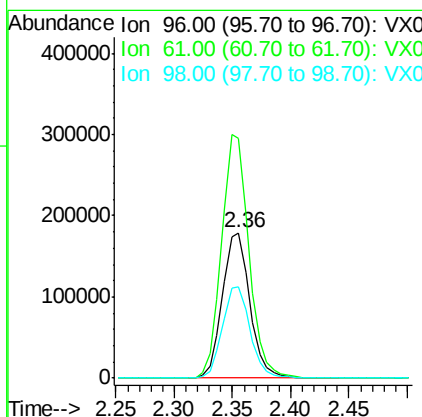
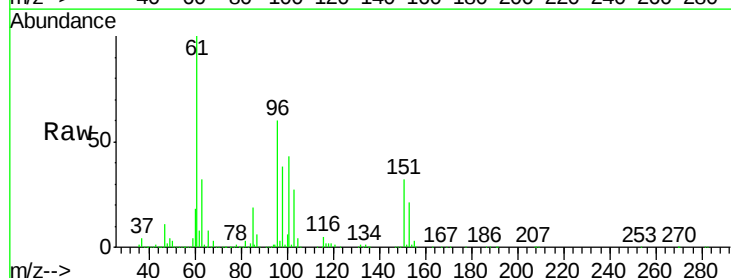
RT: 2.36 min Scan# 208

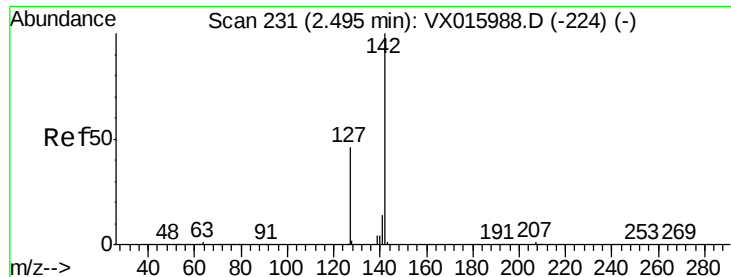
Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	96	Resp:	290464
Ion Ratio	Lower	Upper	
96	100		
61	165.5	129.8	194.8
98	62.9	51.1	76.7





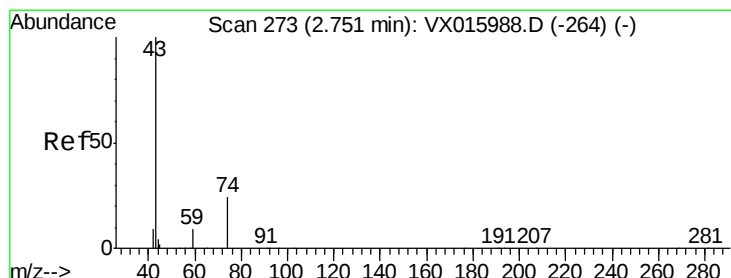
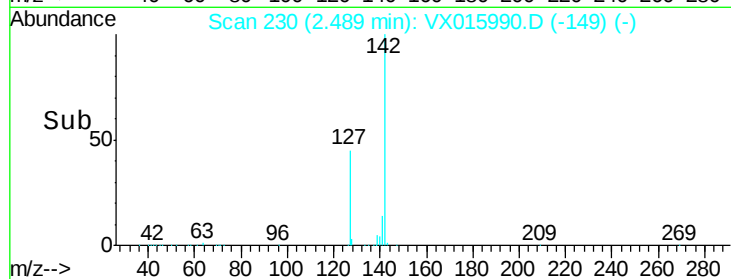
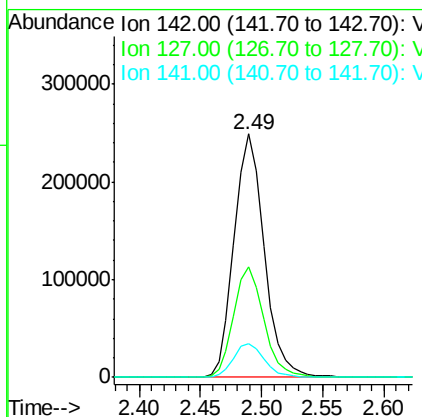
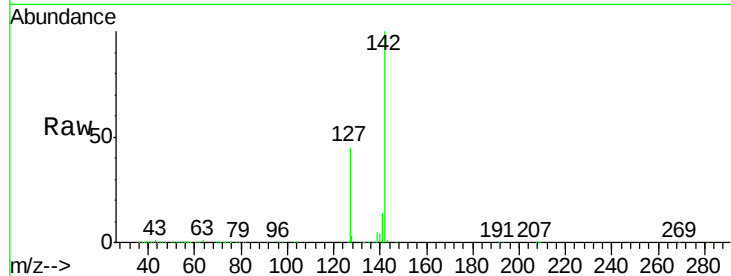
#11
Methvl Iodide
Concen: 116.262 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.3	22.8	68.4
141	14.0	7.0	21.1

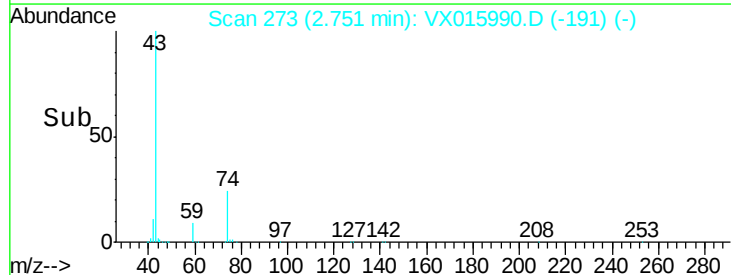
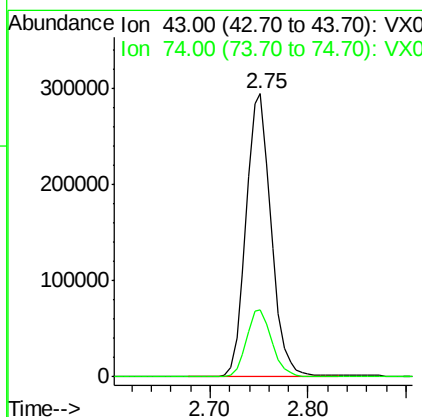
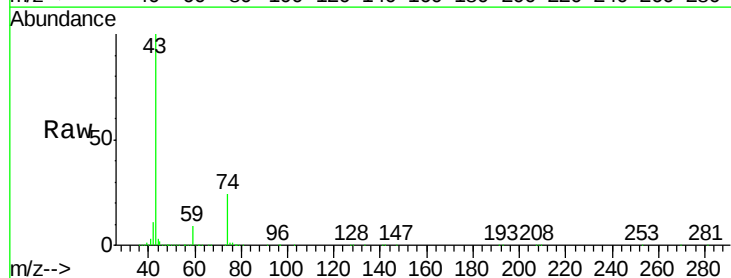
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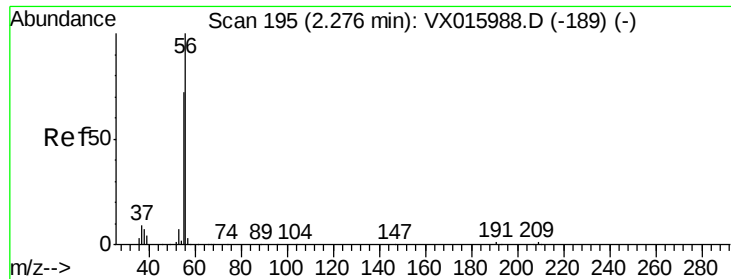
MMDadoda
5/4/2020 3:10:14 PM



#12
Methyl Acetate
Concen: 118.657 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.4





#13

Acrolein

Concen: 440.104 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 203380

Ion Ratio Lower Upper

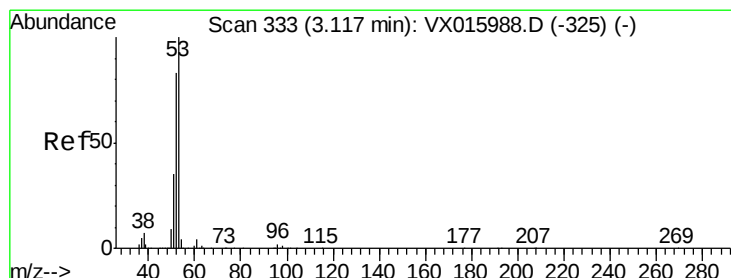
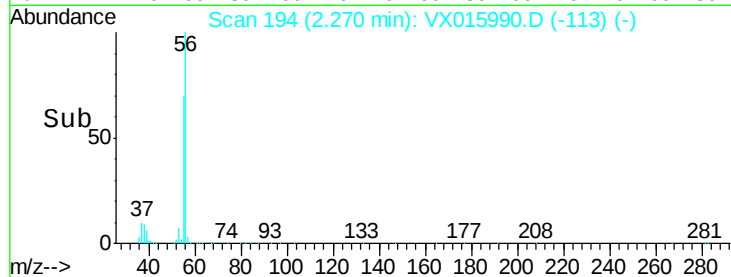
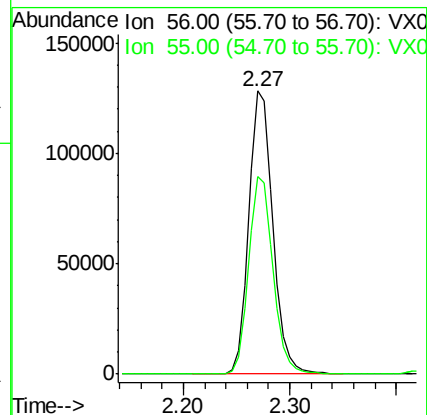
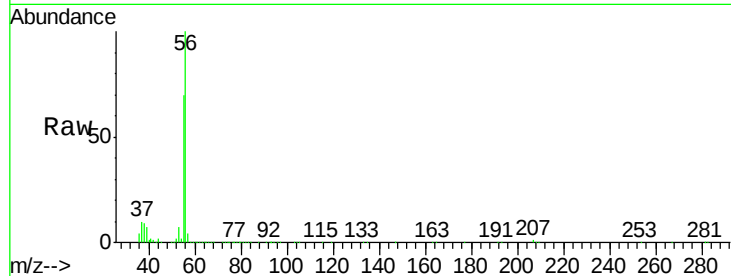
56 100

55 70.5 56.2 84.4

Manual Integrations
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#14

Acrylonitrile

Concen: 546.320 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

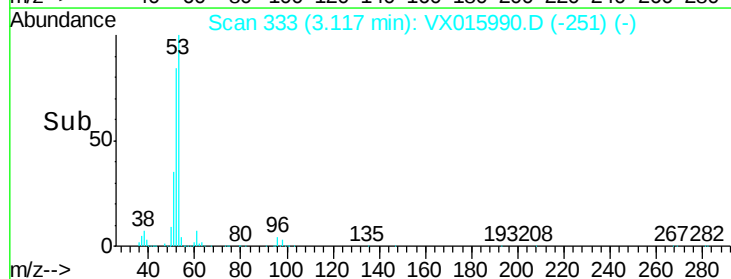
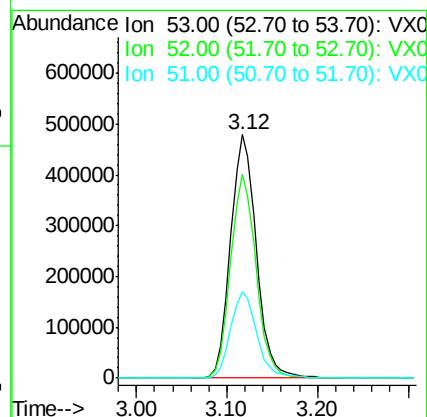
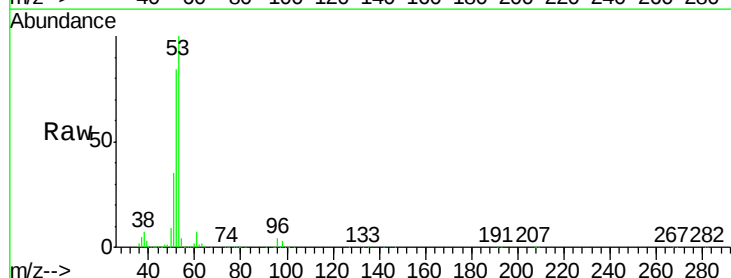
Tgt Ion: 53 Resp: 947896

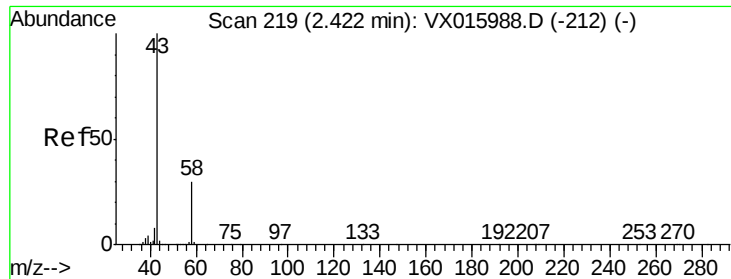
Ion Ratio Lower Upper

53 100

52 82.7 41.2 123.6

51 36.3 17.8 53.5





#15

Acetone

Concen: 556.530 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 248323

Ion Ratio Lower Upper

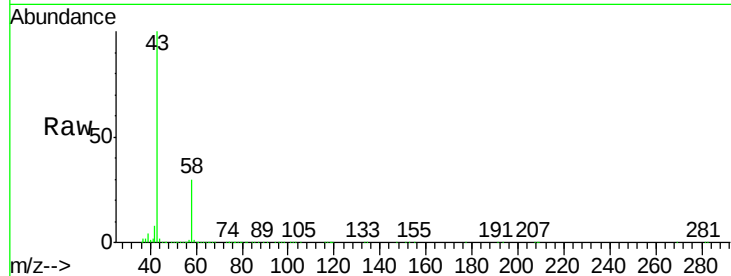
58 100

43 327.8 264.2 396.2

Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

500000

400000

300000

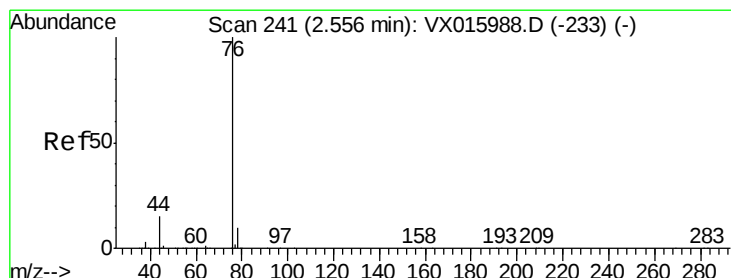
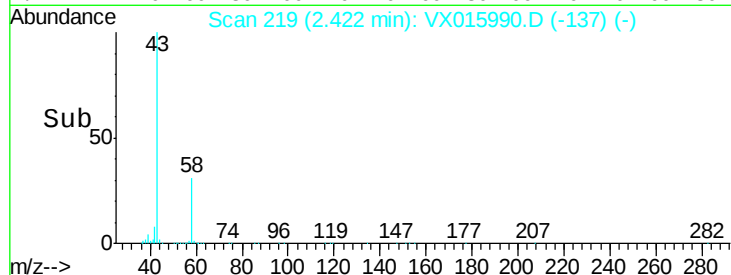
200000

100000

0

2.42

Time-->



#16

Carbon Disulfide

Concen: 107.090 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX015990.D

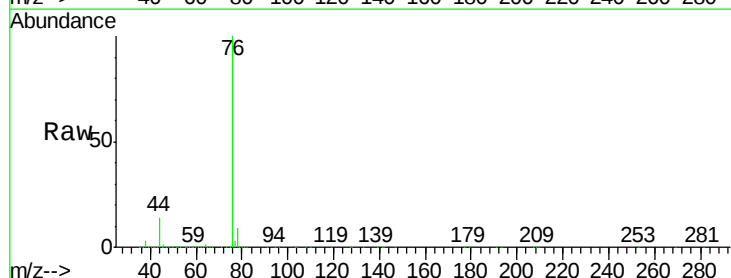
Acq: 30 Apr 2020 11:39

Tgt Ion: 76 Resp: 876494

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

600000

500000

400000

300000

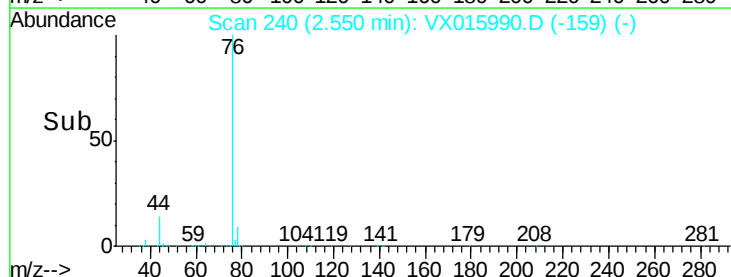
200000

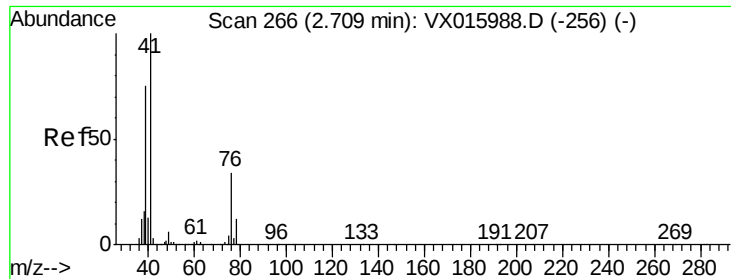
100000

0

2.55

Time-->





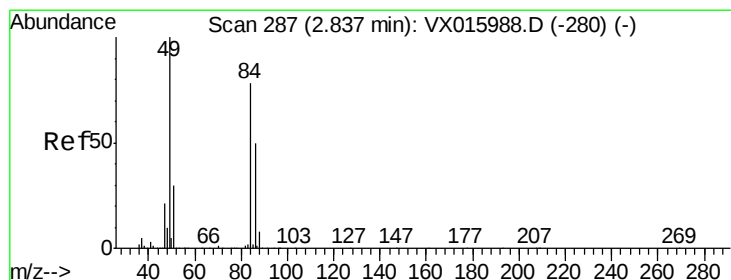
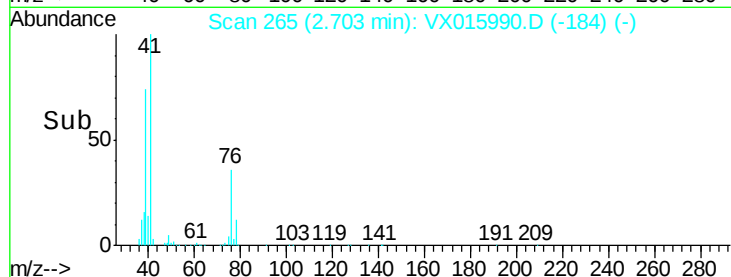
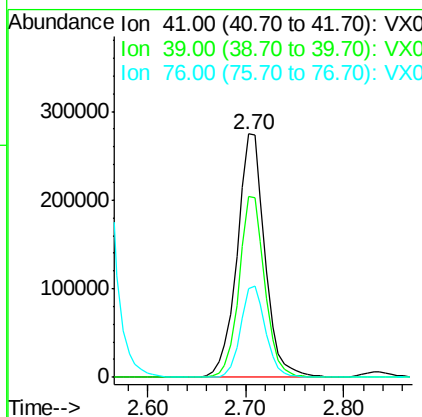
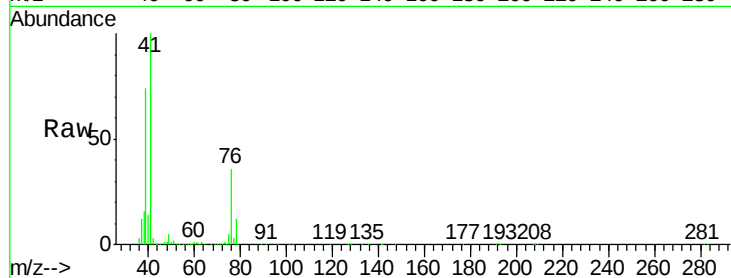
#17
Allvl chloride
Concen: 93.180 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	540279
Ion Ratio		Lower	Upper
41	100		
39	74.1	37.6	112.8
76	36.4	17.2	51.5

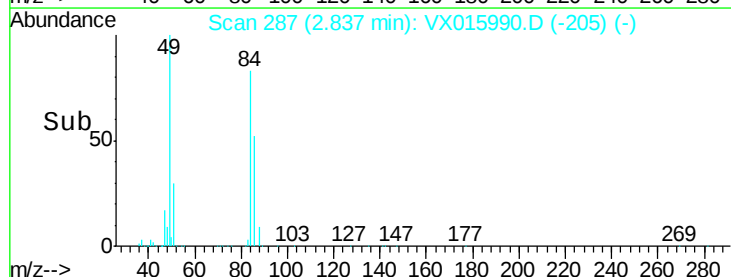
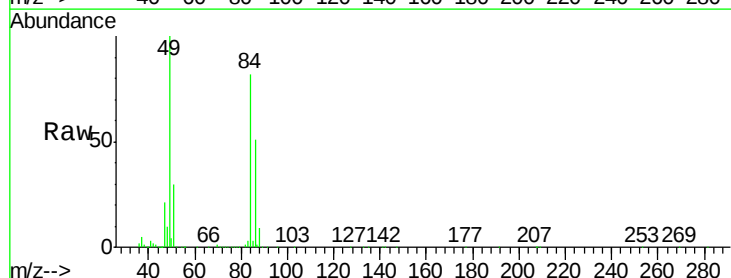
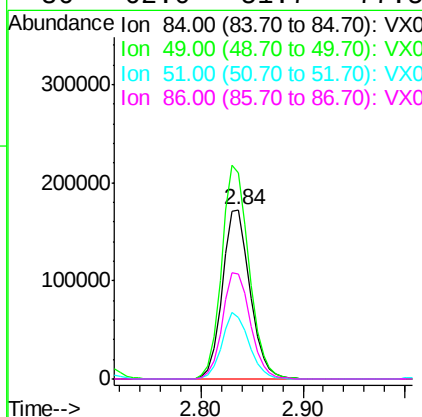
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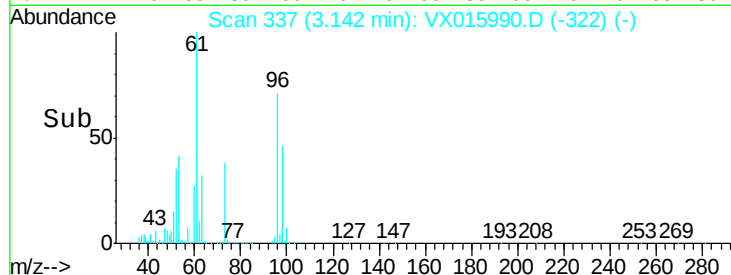
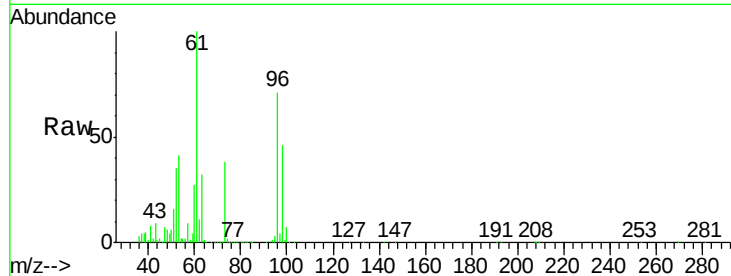
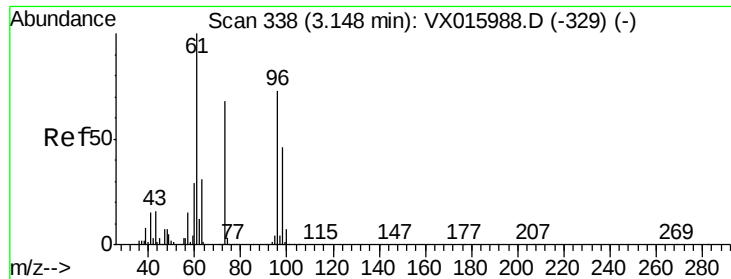
MMDadoda
5/4/2020 3:10:14 PM



#18
Methylene Chloride
Concen: 105.100 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion:	84	Resp:	324565
Ion Ratio		Lower	Upper
84	100		
49	121.8	103.0	154.4
51	36.4	31.4	47.0
86	62.0	51.7	77.5





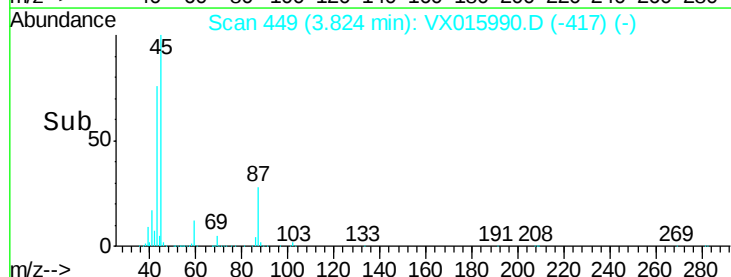
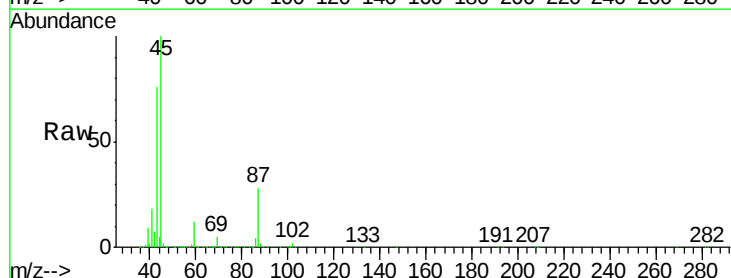
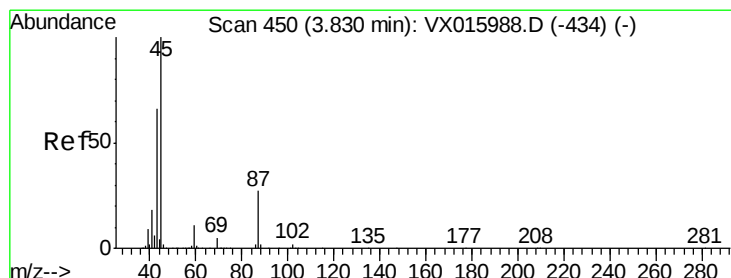
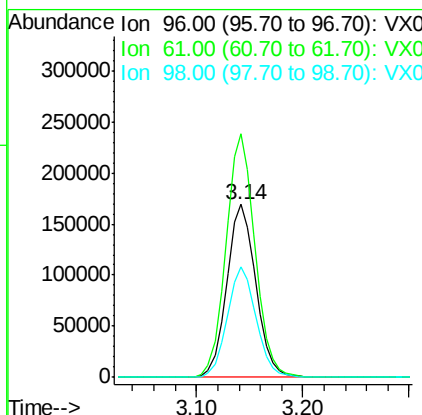
#19
trans-1,2-Dichloroethene
Concen: 108.015 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	109.0	163.4
98	64.2	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

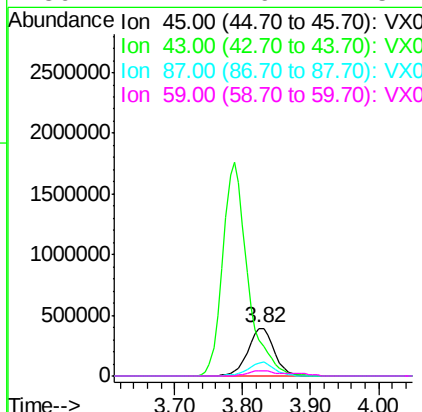
Manual Integrations
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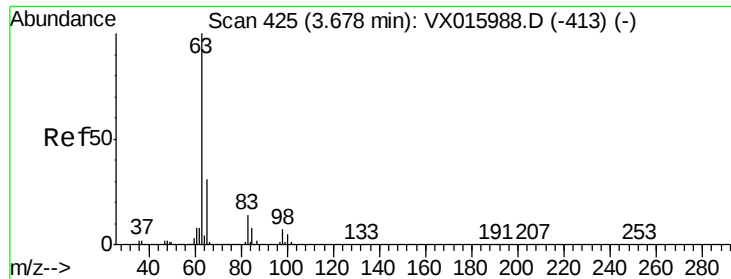
MMDadoda
5/4/2020 3:10:14 PM



#20
Diisopropyl ether
Concen: 100.006 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.1	53.0	79.4
87	27.5	21.9	32.9
59	11.7	9.1	13.7





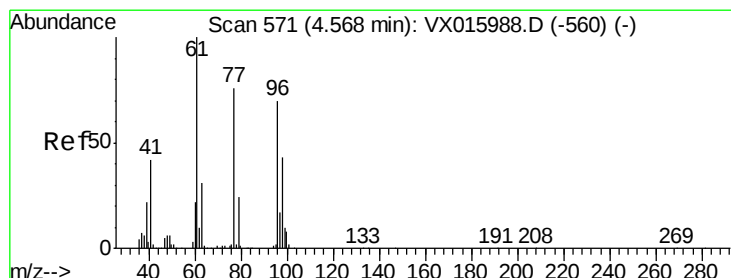
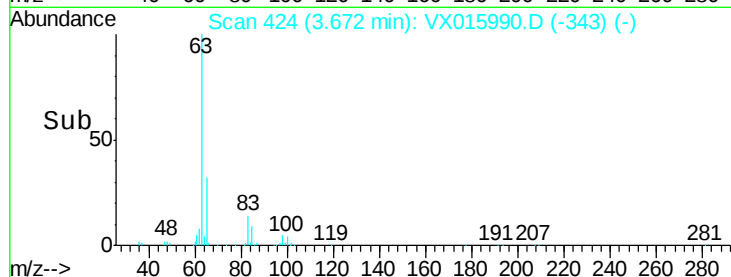
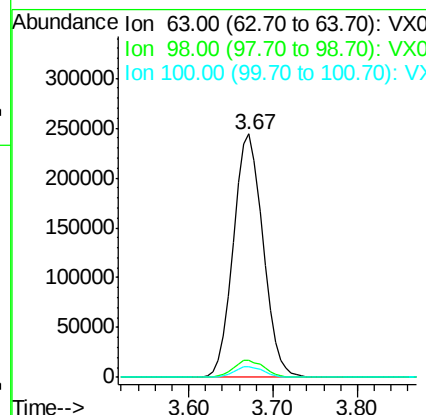
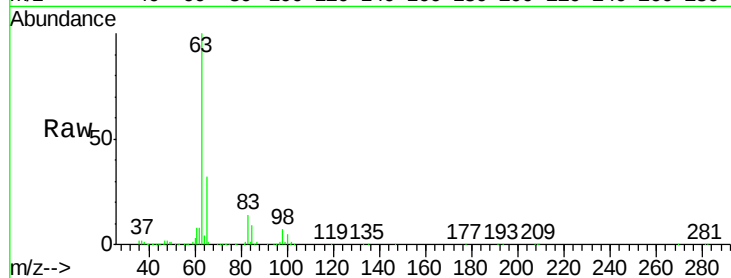
#21
 1,1-Dichloroethane
 Concen: 104.073 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.01 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.9	3.5	10.4	
100	4.5	2.3	6.9	

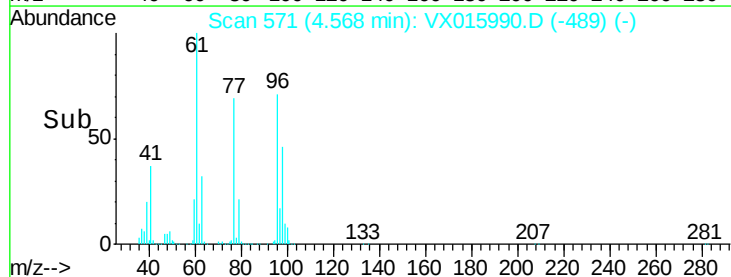
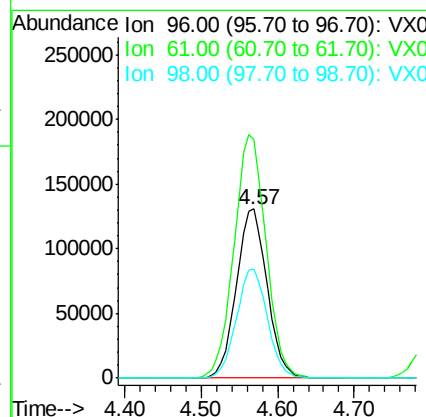
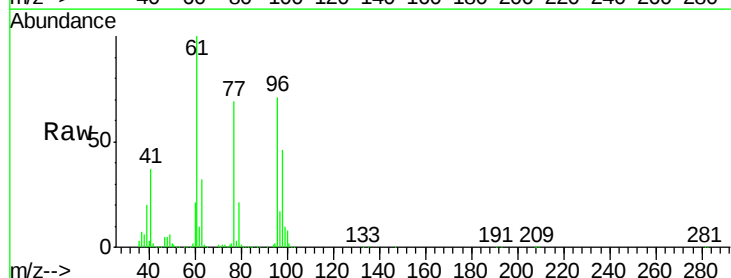
Manual Integrations
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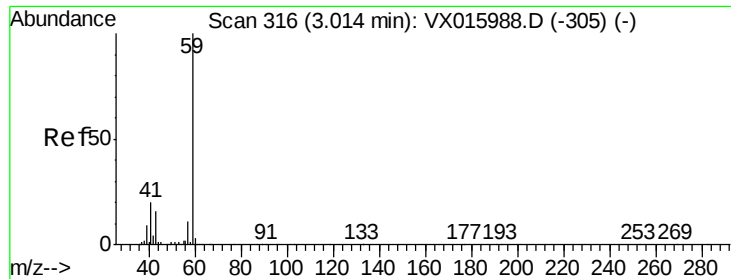
MMDadoda
 5/4/2020 3:10:14 PM



#22
 cis-1,2-Dichloroethene
 Concen: 106.214 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.1	121.6	182.4	
98	65.1	51.9	77.9	





#23

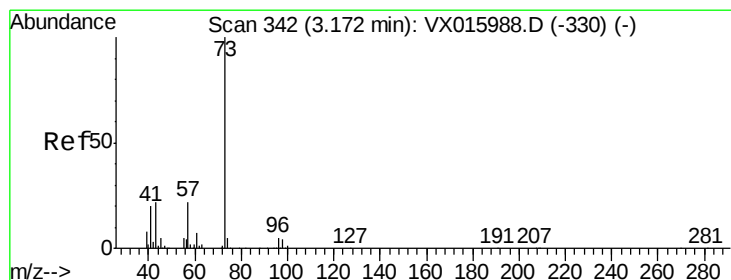
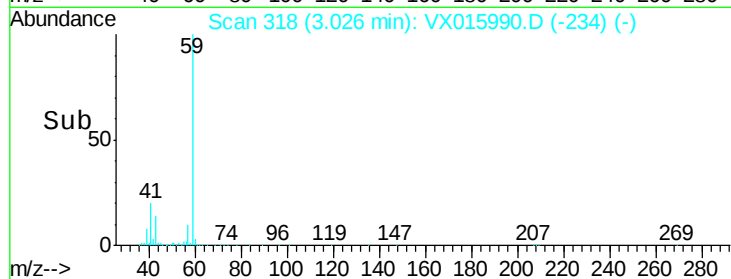
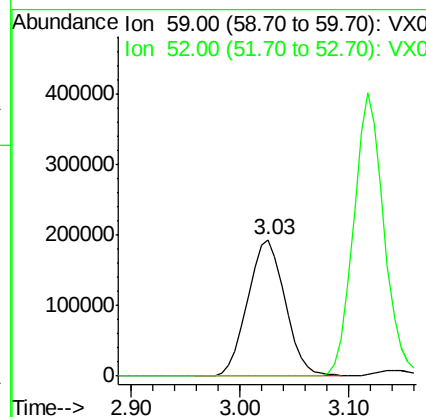
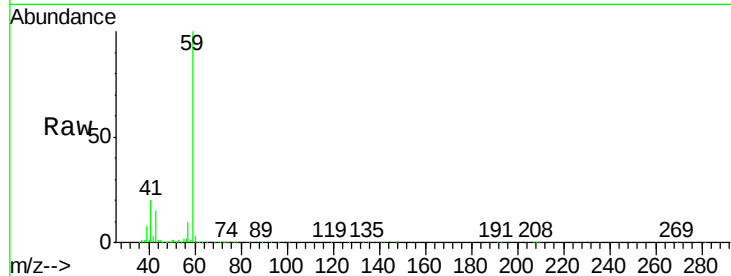
tert-Butyl Alcohol
 Concen: 543.289 ug/l m
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

Manual Integrations
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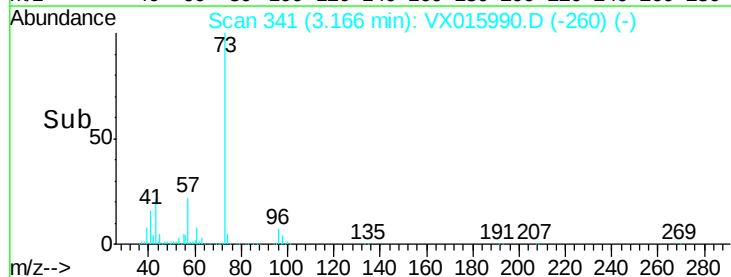
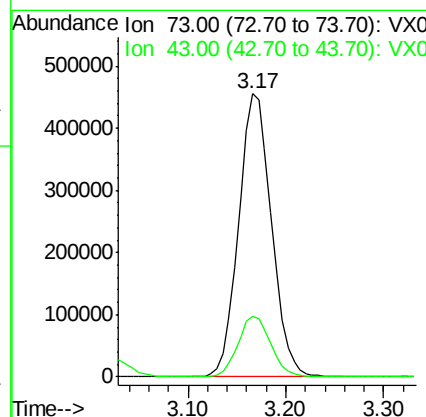
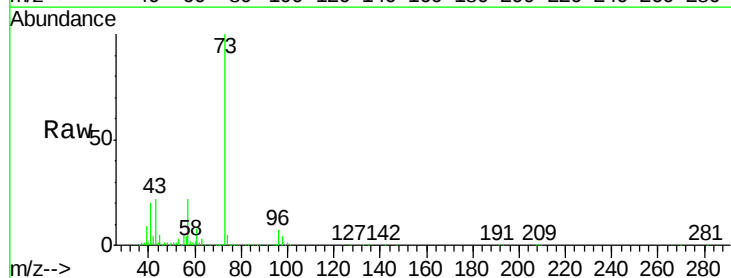
MMDadoda
 5/4/2020 3:10:14 PM

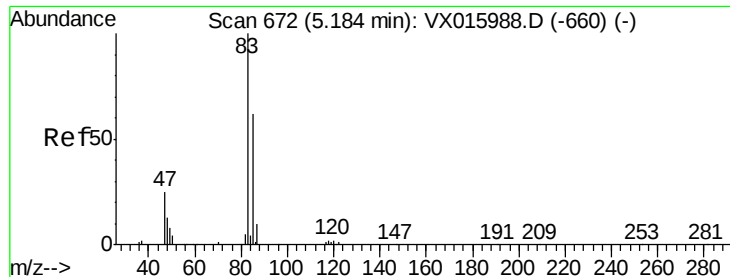


#24

Methyl tert-Butyl Ether
 Concen: 105.088 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.3	17.8	26.6





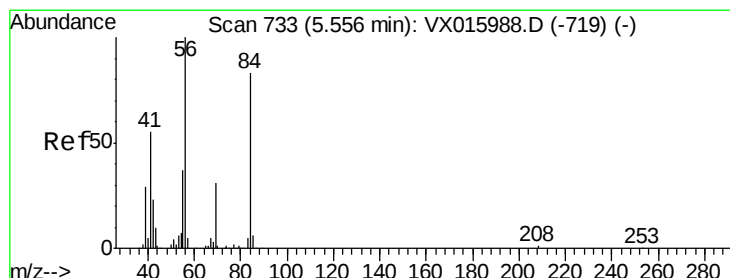
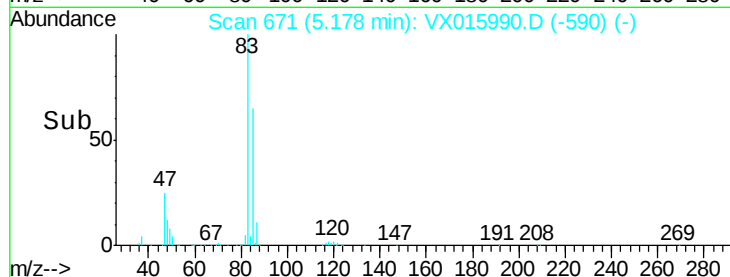
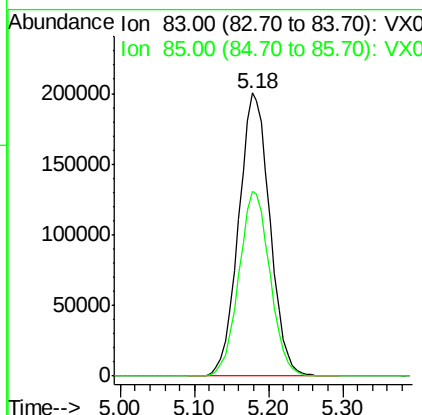
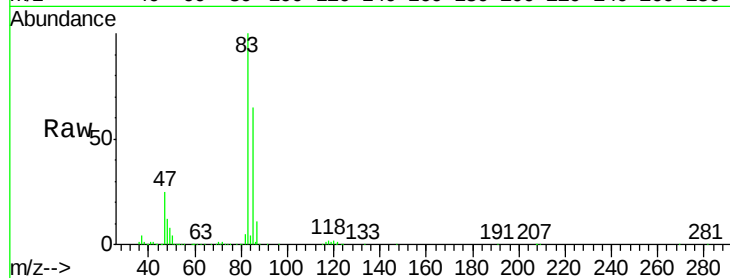
#25
Chloroform
Concen: 104.955 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.2	49.6	74.4	

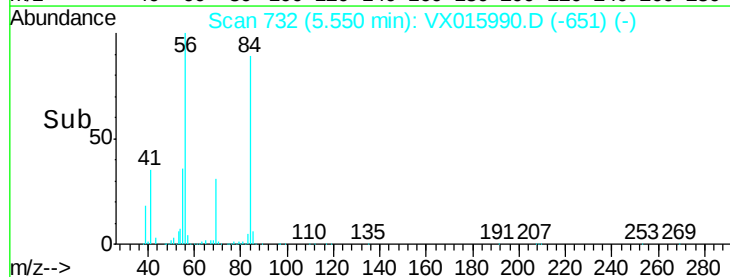
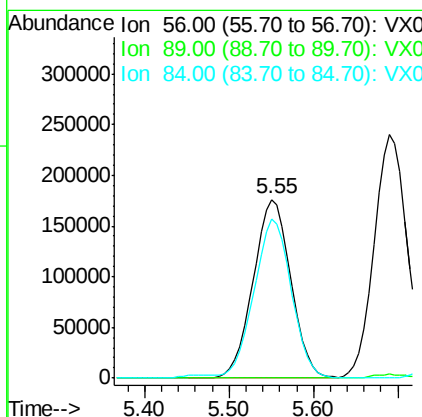
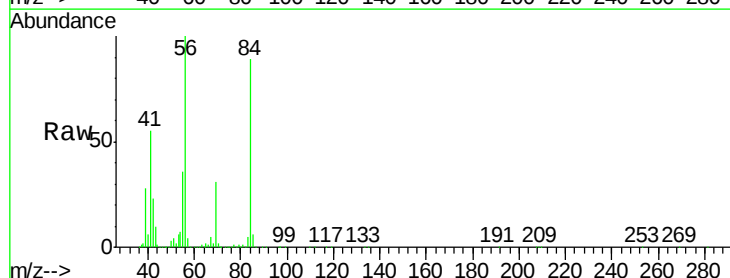
Manual Integrations
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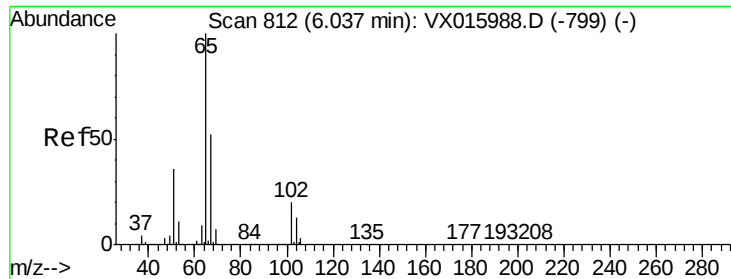
MMDadoda
5/4/2020 3:10:14 PM



#26
Cyclohexane
Concen: 101.385 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
56	100			
89	0.0	0.1	0.1#	
84	88.9	70.1	105.1	





#27

1,2-Dichloroethane-d4

Concen: 28.926 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tot Ion: 65 Resp: 111937

Ion Ratio Lower Upper

65 100

67 51.9 41.0 61.4

Instrument :

MSVOA_X

ClientSampleId :

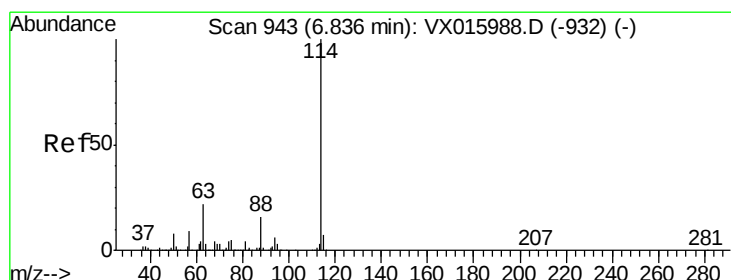
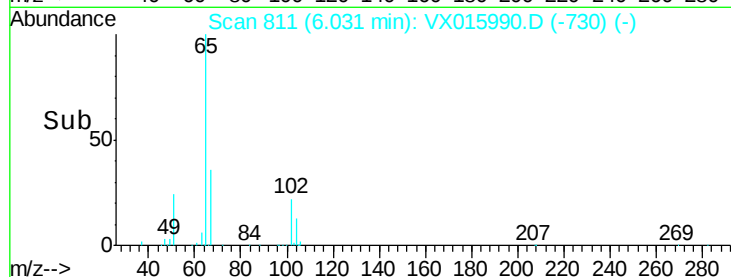
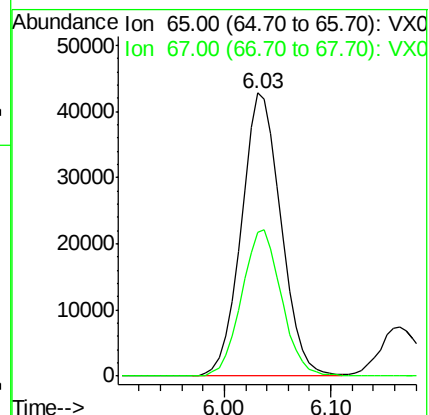
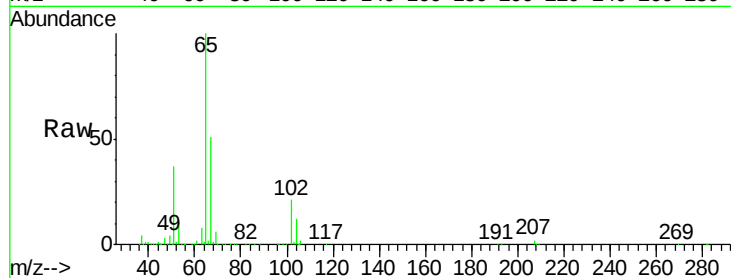
VSTDIC100

Manual Integrations

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MMDadoda

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

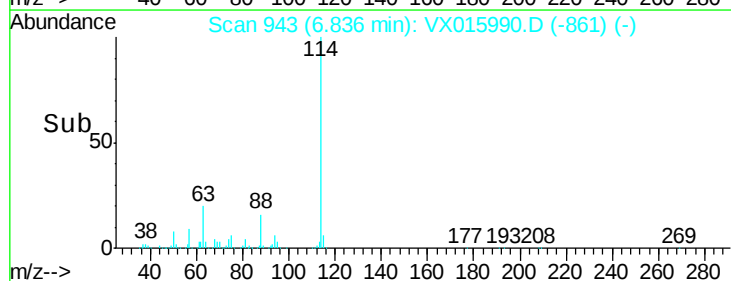
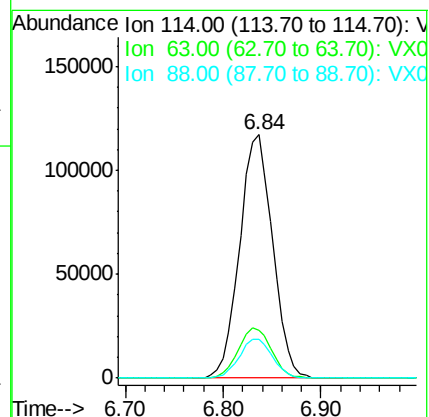
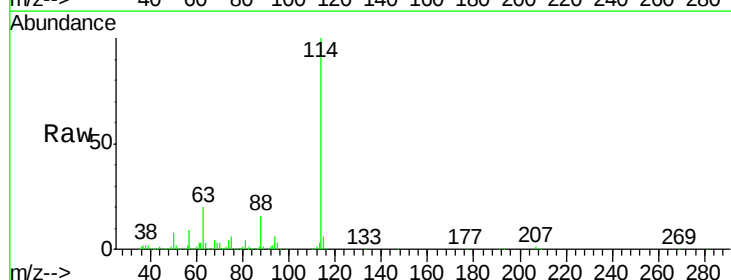
Tgt Ion: 114 Resp: 274164

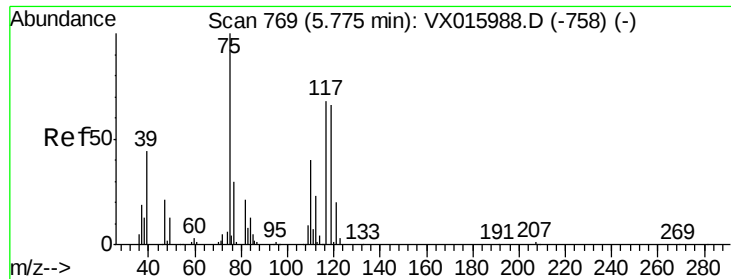
Ion Ratio Lower Upper

114 100

63 21.0 17.1 25.7

88 16.1 13.0 19.4





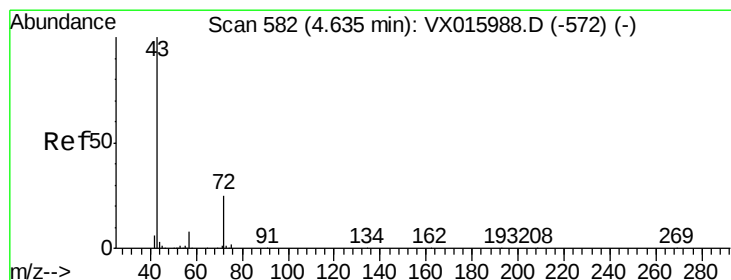
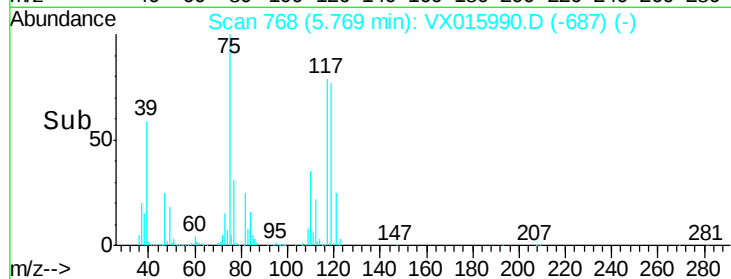
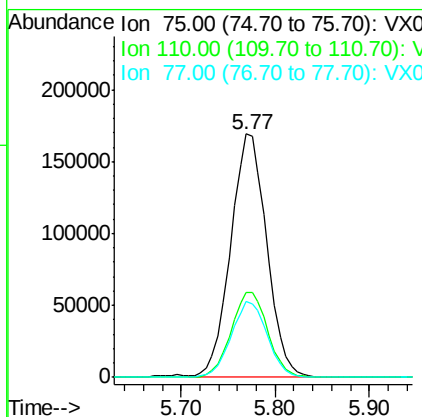
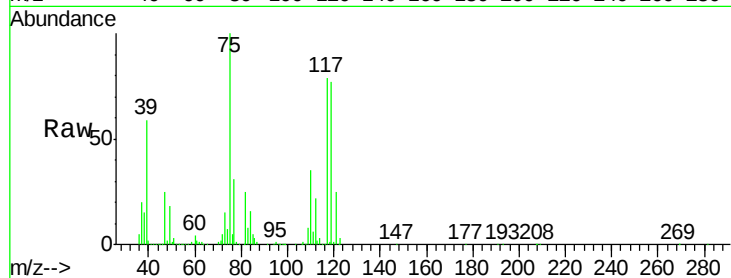
#29
 1,1-Dichloropropene
 Concen: 108.182 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:	75	Resp:	452287
Ion Ratio	Lower	Upper	
75	100		
110	35.4	0.0	71.0
77	30.9	0.0	64.2

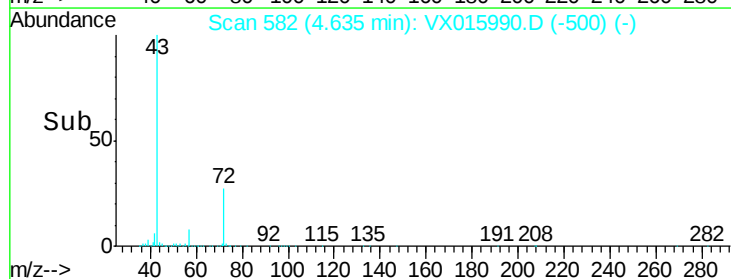
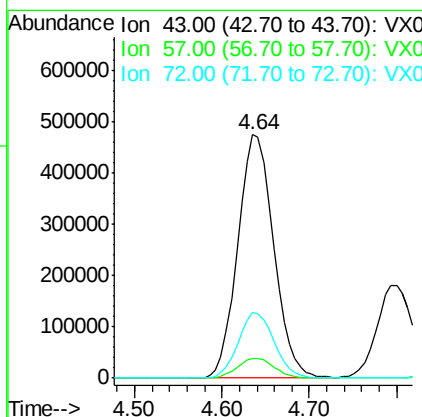
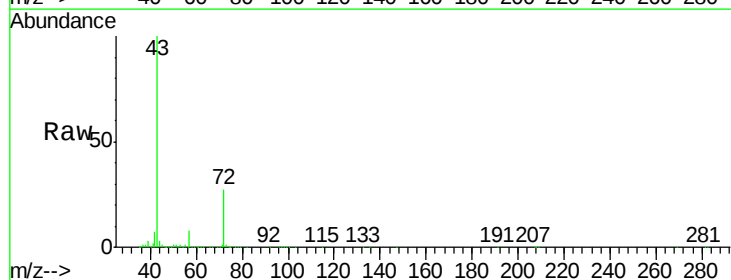
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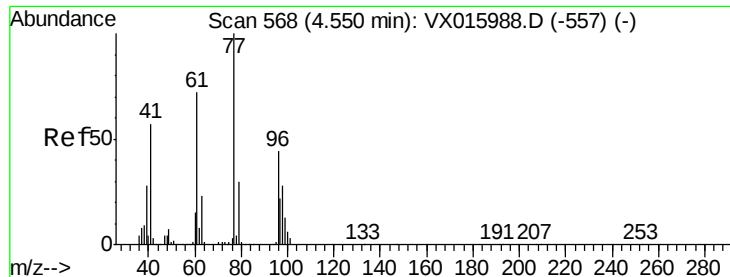
MMDadoda
 5/4/2020 3:10:14 PM



#30
 2-Butanone
 Concen: 542.891 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion:	43	Resp:	1351959
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.3	9.5
72	26.8	20.8	31.2





#31

2,2-Dichloropropane

Concen: 107.263 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 539276

Ion Ratio Lower Upper

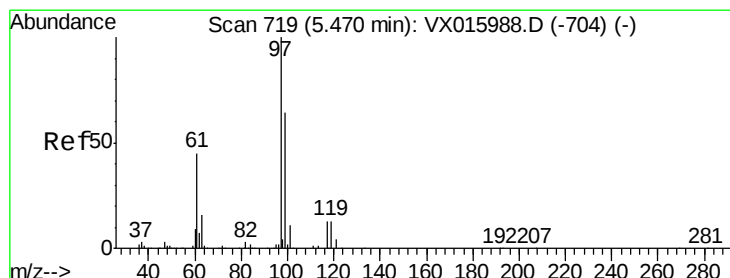
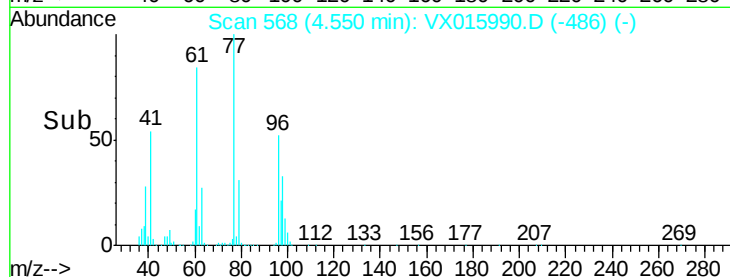
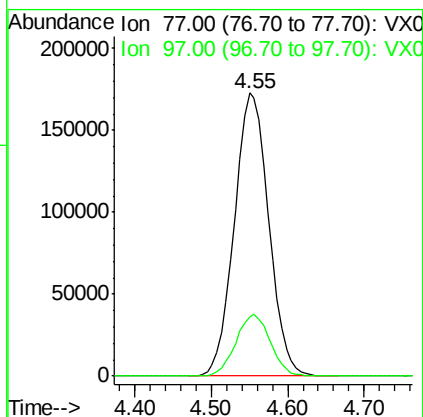
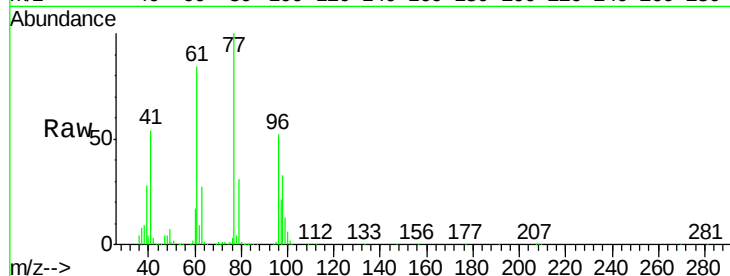
77 100

97 22.0 17.8 26.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 107.895 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

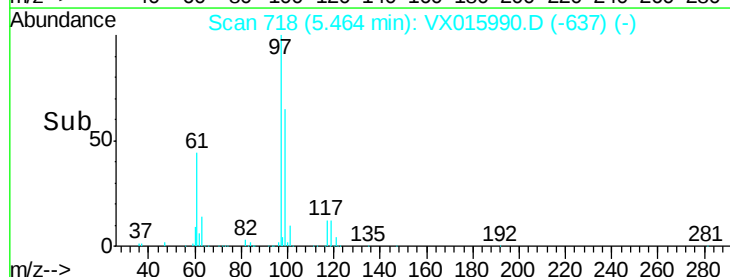
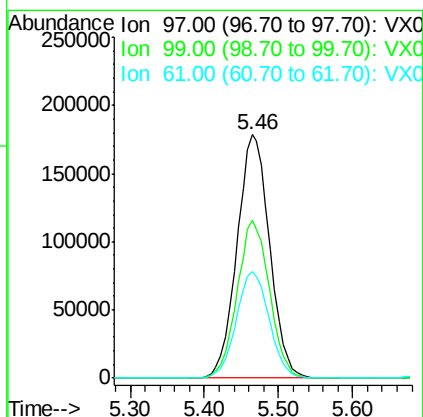
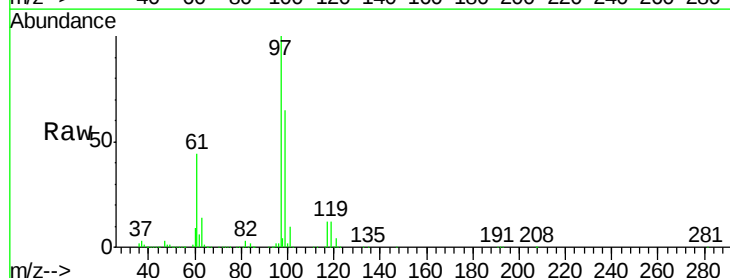
Tgt Ion: 97 Resp: 548065

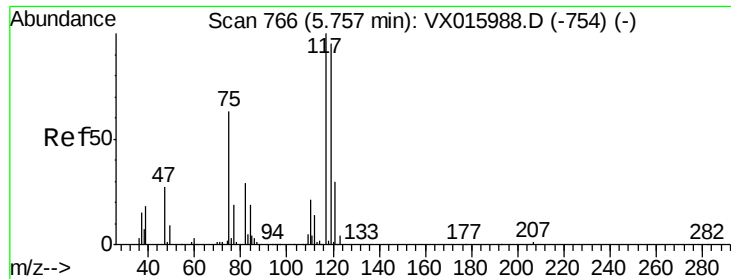
Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

61 44.2 35.9 53.9





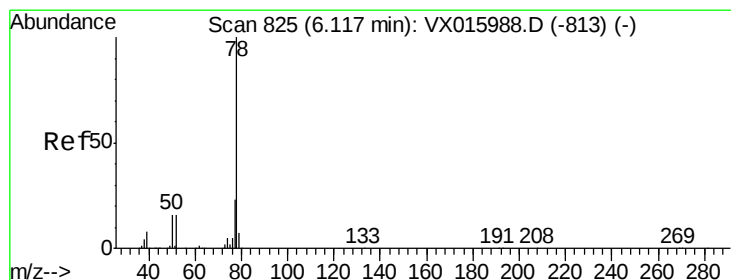
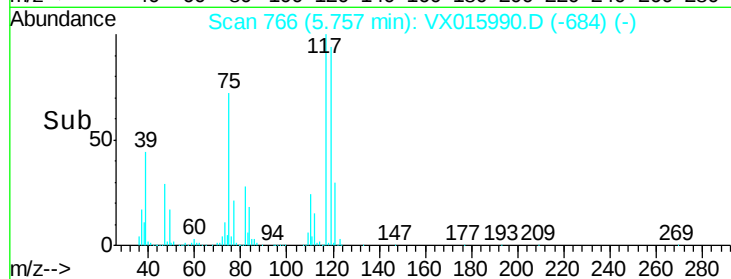
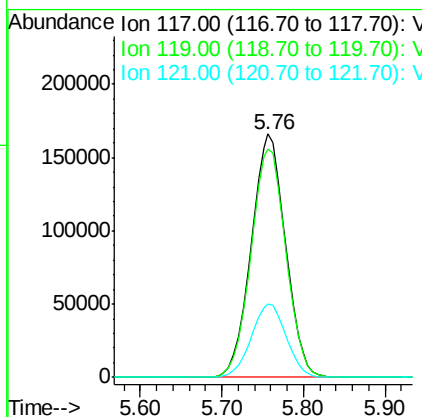
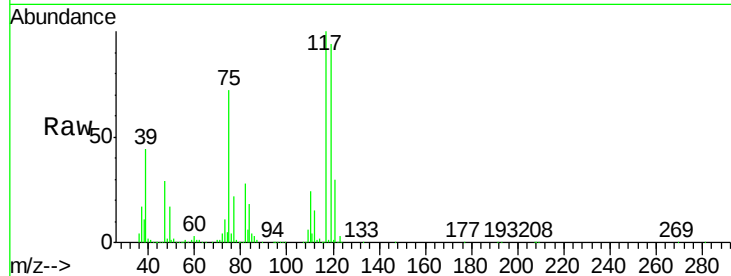
#33
Carbon Tetrachloride
Concen: 105.355 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.3	114.5
121	29.9	24.2	36.4

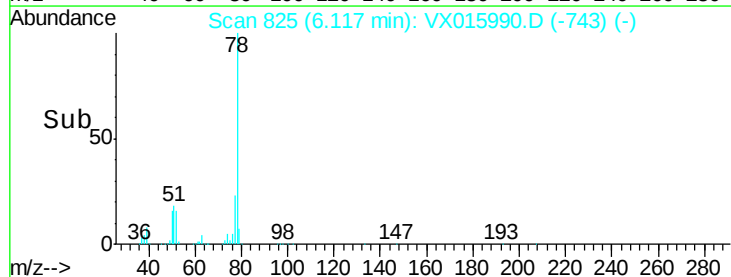
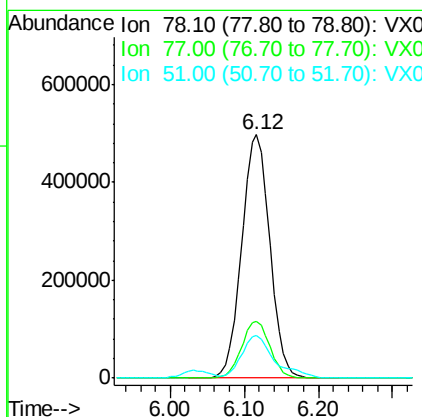
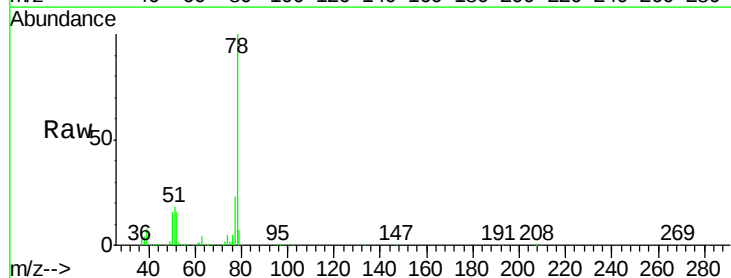
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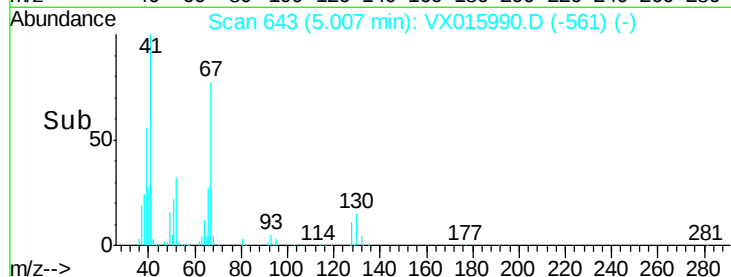
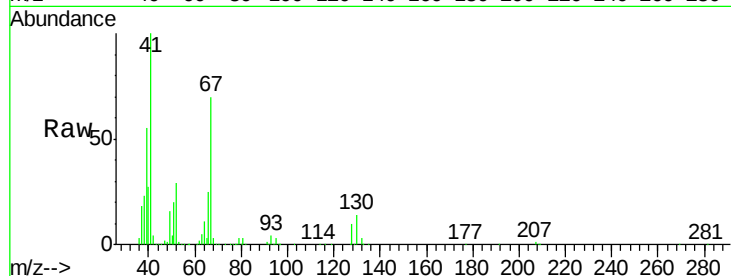
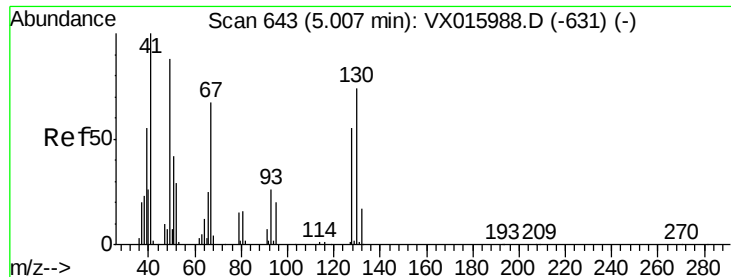
MMDadoda
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#34
Benzene
Concen: 108.682 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1
51	17.5	12.7	19.1





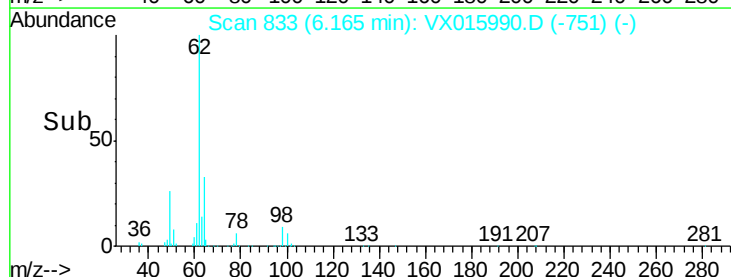
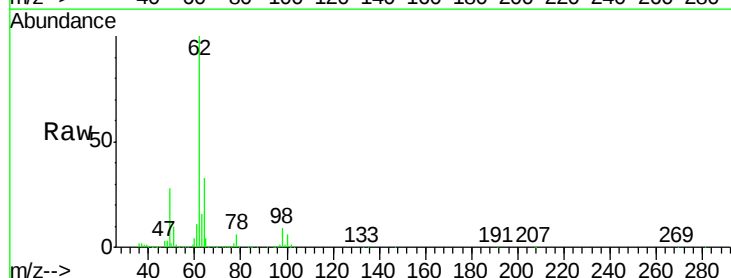
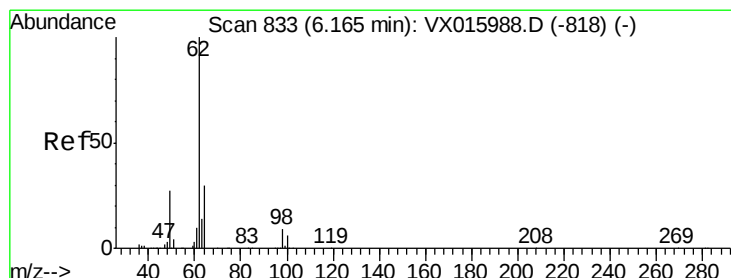
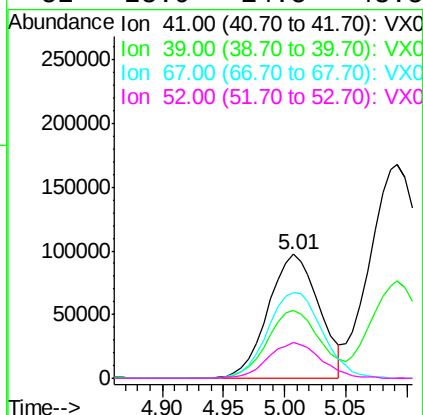
#35
Methacrylonitrile
Concen: 102.377 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		282317		
39	55.3	27.5	82.4		
67	69.9	33.6	100.6		
52	28.9	14.5	43.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

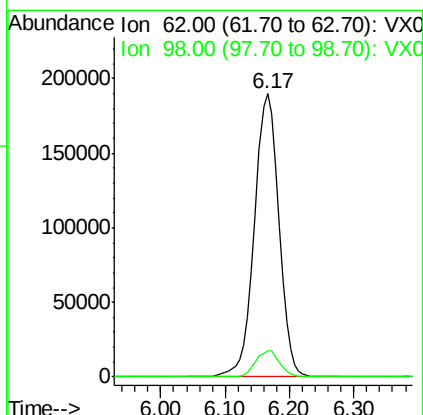
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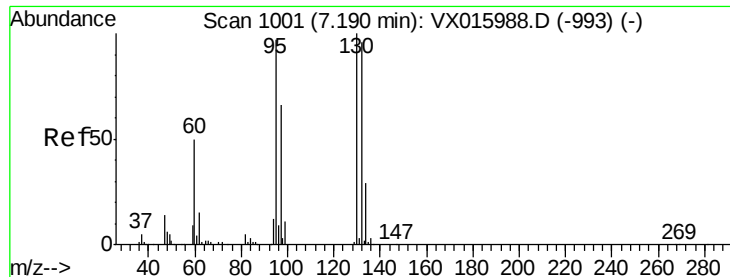
MMDadoda
5/4/2020 3:10:14 PM



#36
1,2-Dichloroethane
Concen: 107.373 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		496273		
98	9.1	7.4	11.2		





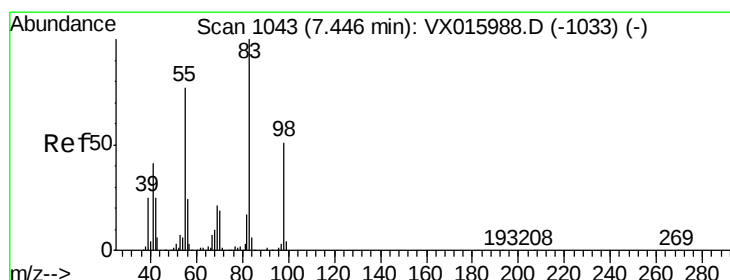
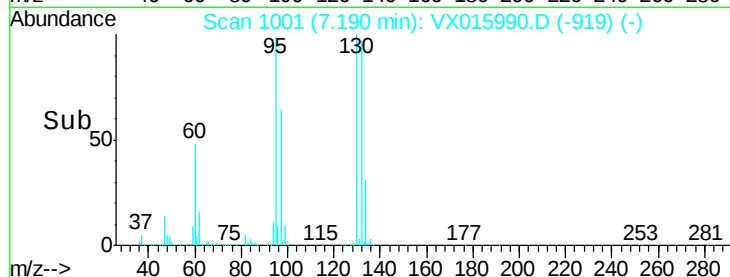
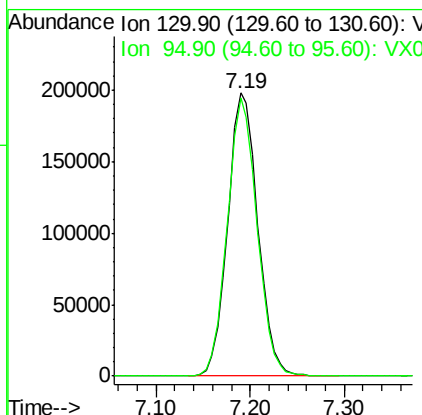
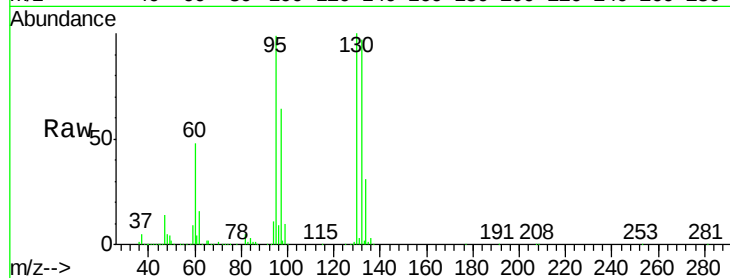
#37
 Trichloroethene
 Concen: 115.384 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 440111
 Ion Ratio Lower Upper
 130 100
 95 98.5 77.8 116.8

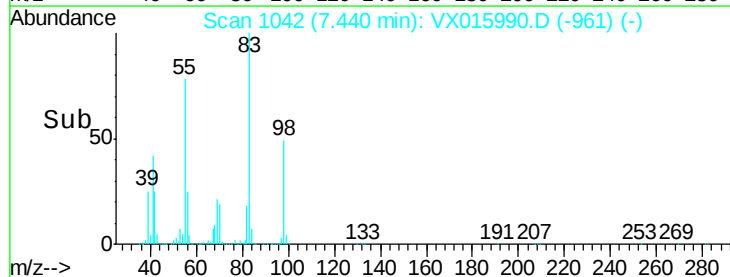
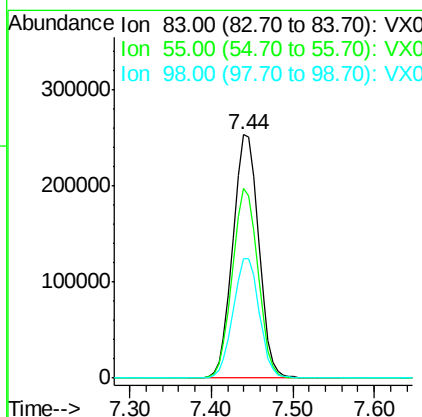
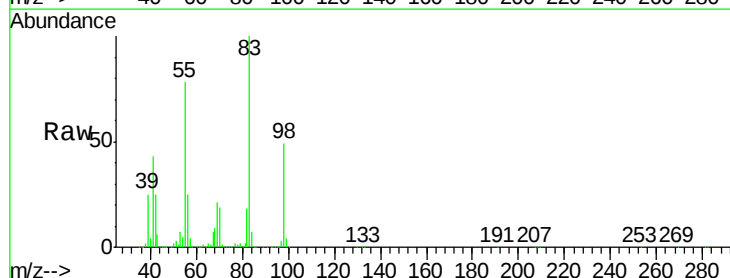
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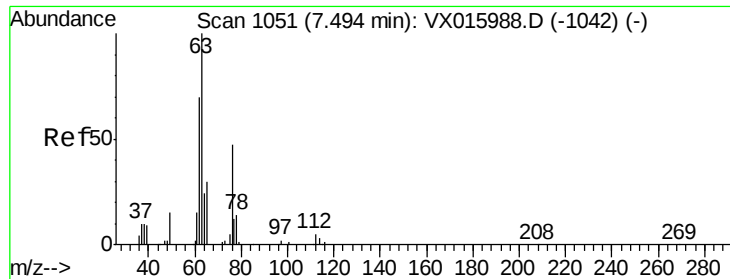
MMDadoda
 5/4/2020 3:10:14 PM



#38
 Methylcyclohexane
 Concen: 108.208 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion: 83 Resp: 552222
 Ion Ratio Lower Upper
 83 100
 55 77.0 38.8 116.4
 98 49.7 25.1 75.3





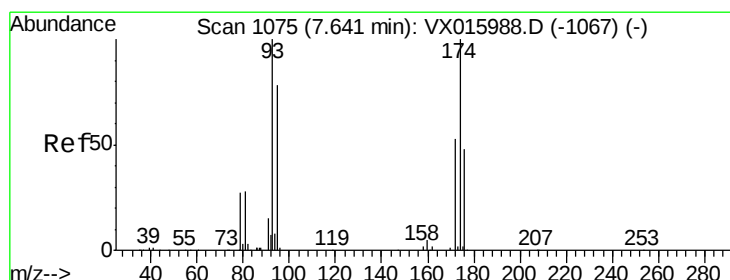
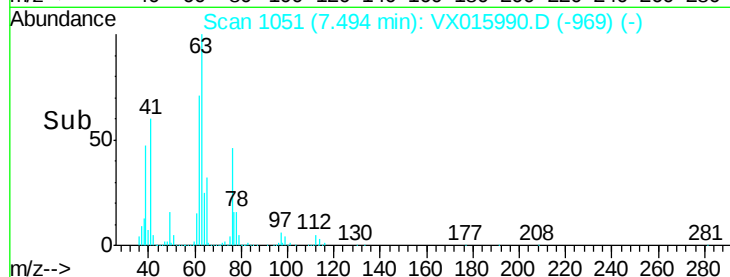
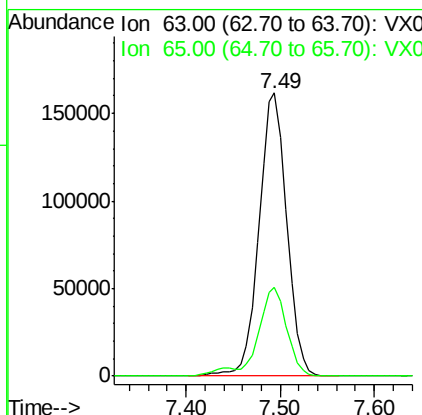
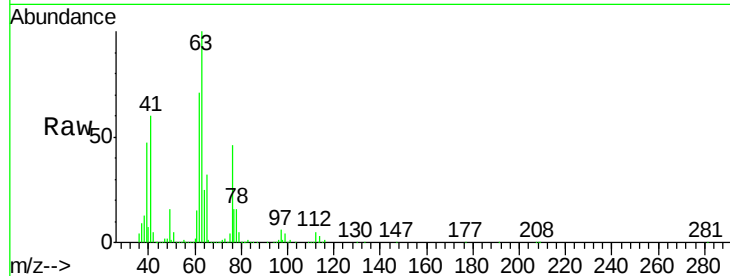
#39
 1,2-Dichloropropane
 Concen: 105.115 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9

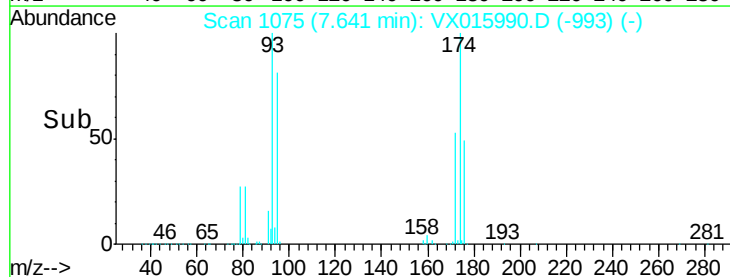
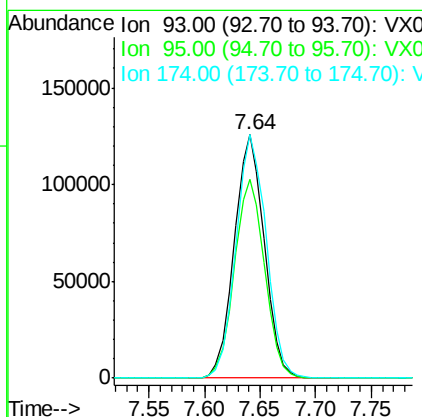
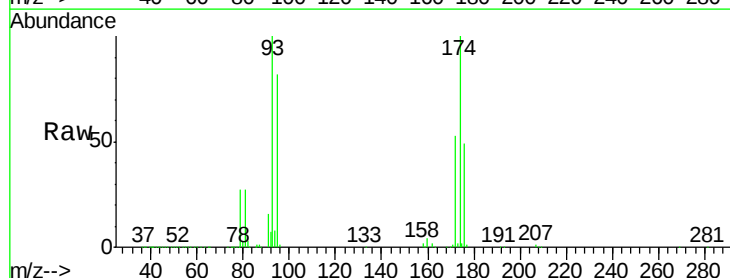
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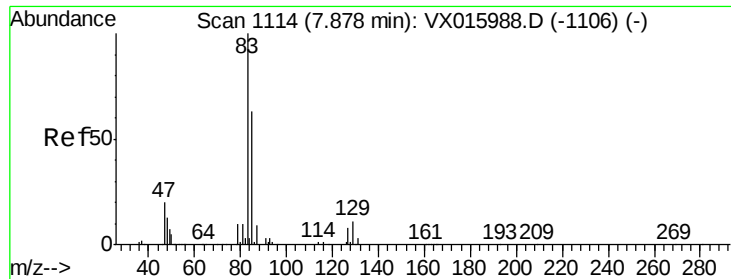
MMDadoda
 5/4/2020 3:10:14 PM



#40
 Dibromomethane
 Concen: 108.100 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	162.8
174	101.1	0.0	204.0





#41

Bromodichloromethane

Concen: 106.635 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

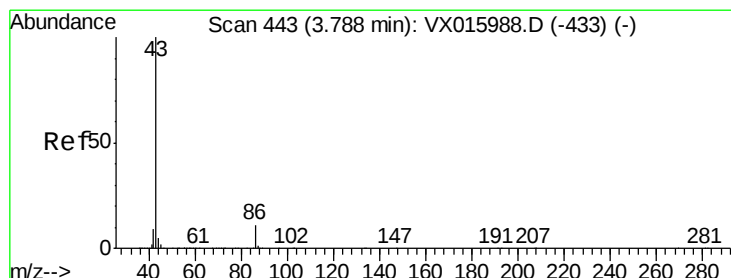
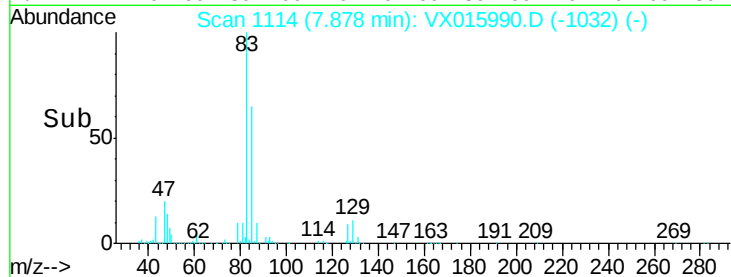
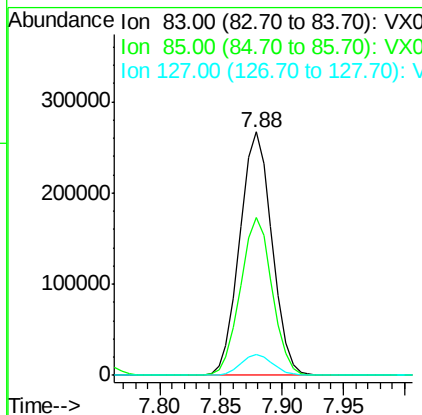
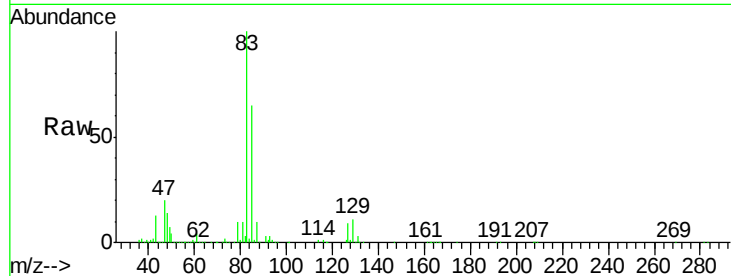
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	489018
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6
127	8.7	6.7	10.1

Manual Integrations
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MMDadoda
5/4/2020 3:10:14 PM



#42

Vinyl Acetate

Concen: 508.763 ug/l

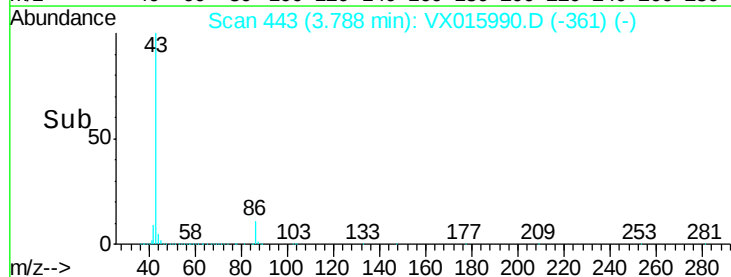
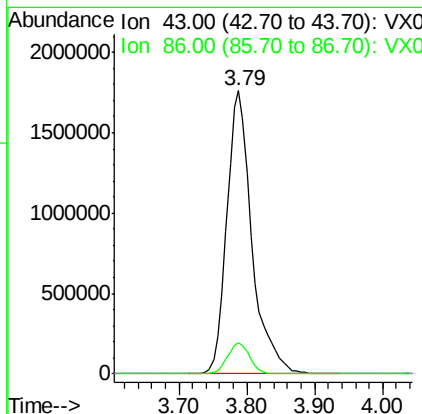
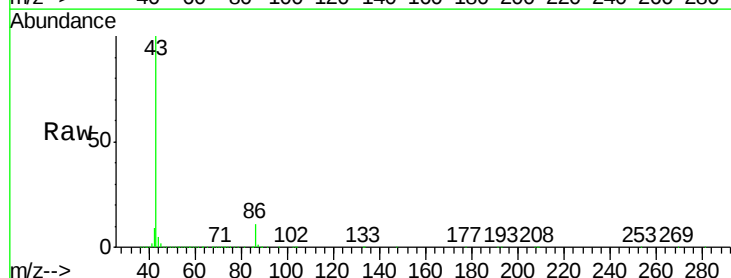
RT: 3.79 min Scan# 443

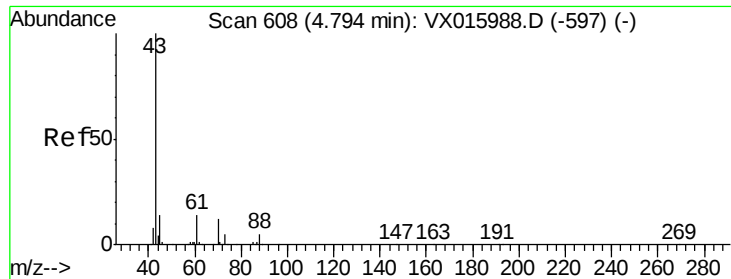
Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	43	Resp:	4487994
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.7	11.5





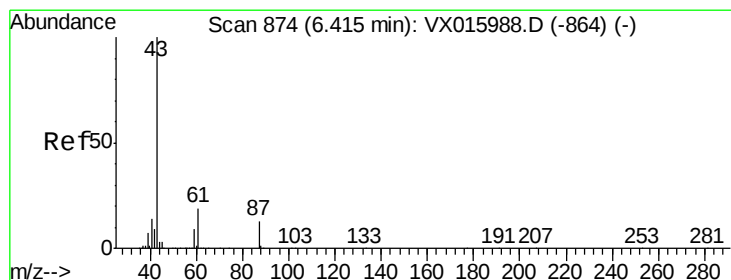
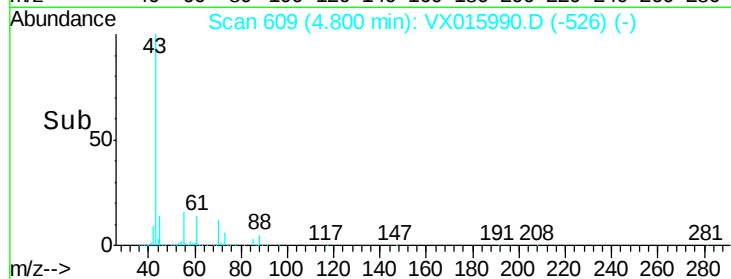
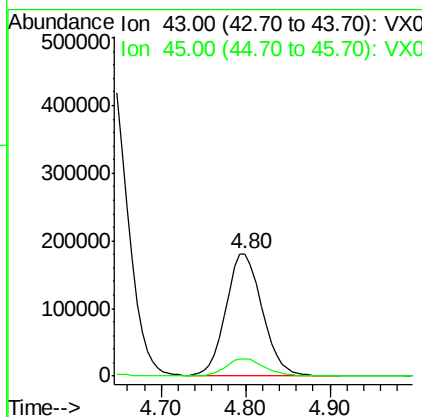
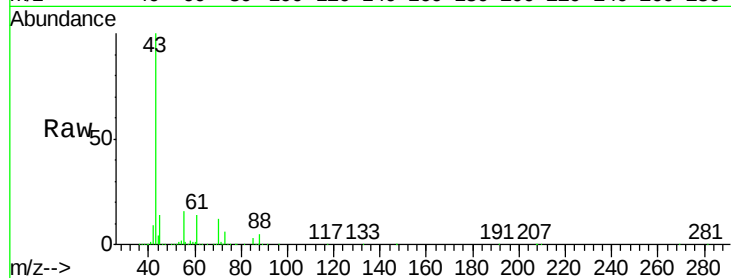
#43
Ethyl Acetate
Concen: 99.481 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC100

Tot Ion	43	Ratio	Lower	Upper
533800	100			
45	14.8	11.9	17.9	

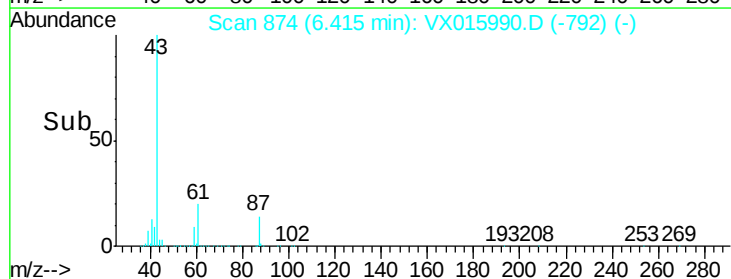
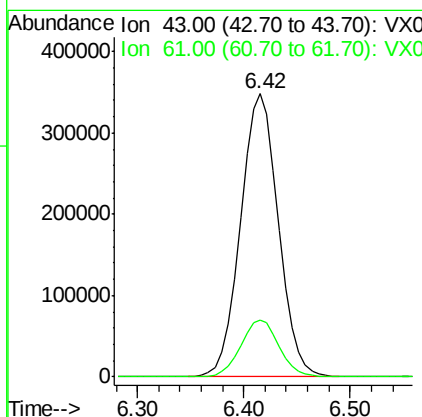
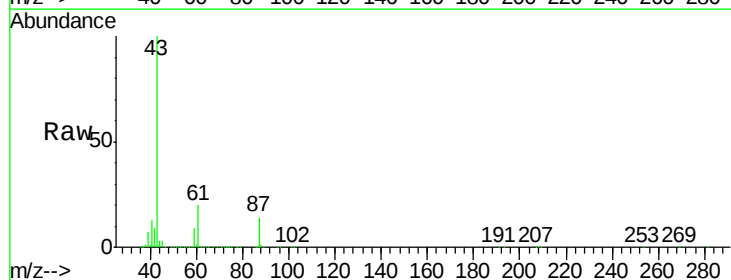
Manual Integrations
APPROVED

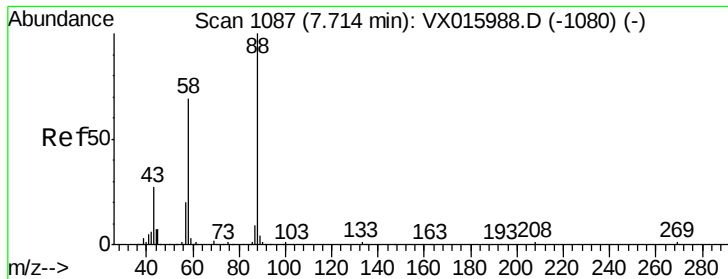
MMDadoda
5/4/2020 3:10:14 PM



#44
Isopropyl Acetate
Concen: 102.360 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	43	Ratio	Lower	Upper
861950	100			
61	20.4	16.1	24.1	





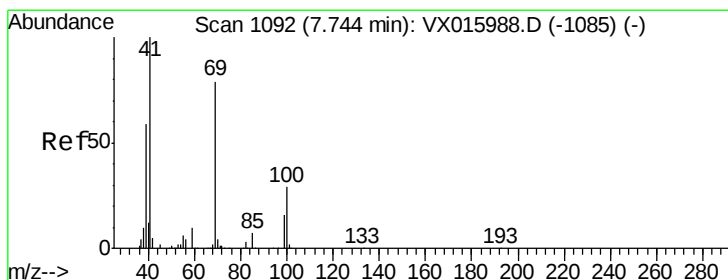
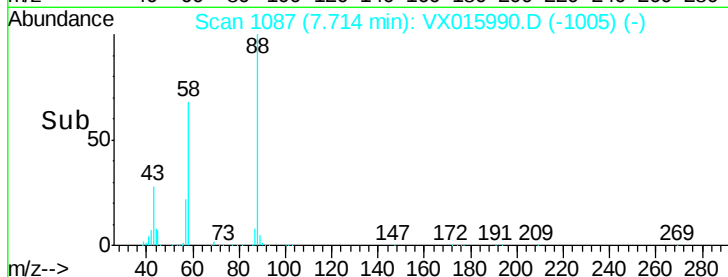
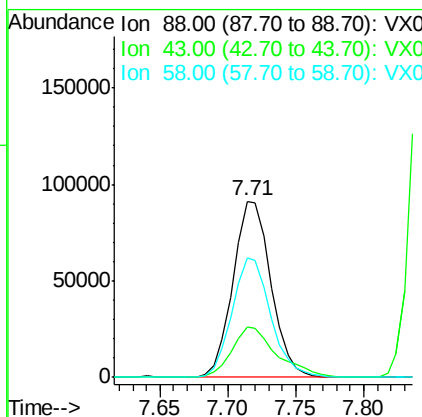
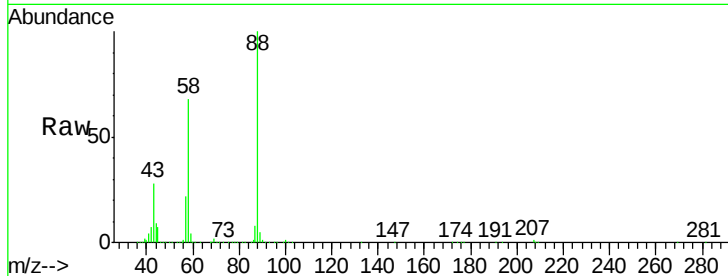
#45
1,4-Dioxane
Concen: 2181.266 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.3	39.5
58	69.9	57.0	85.6

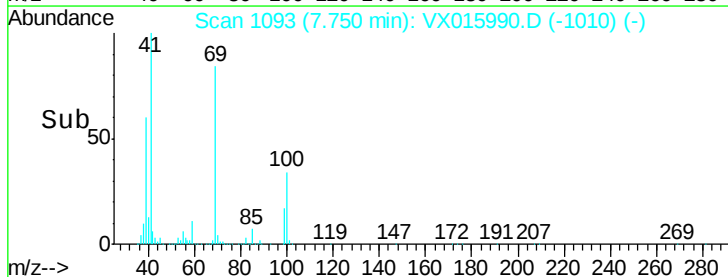
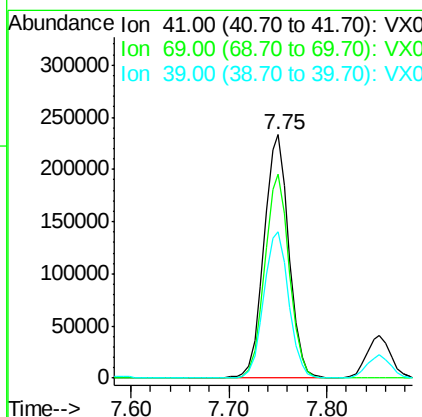
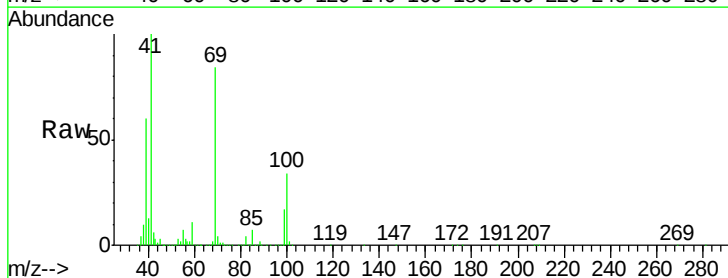
Manual Integrations
APPROVED

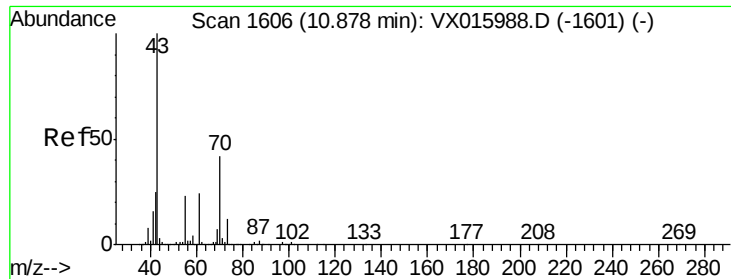
MMDadoda
5/4/2020 3:10:14 PM



#46
Methyl methacrylate
Concen: 100.664 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.6	39.5	118.5
39	60.3	29.6	88.9





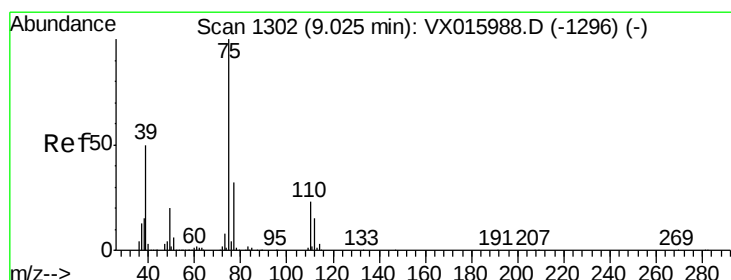
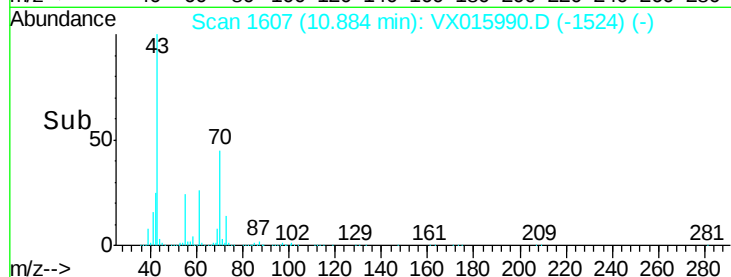
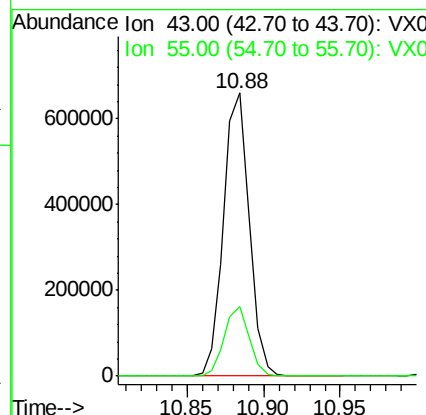
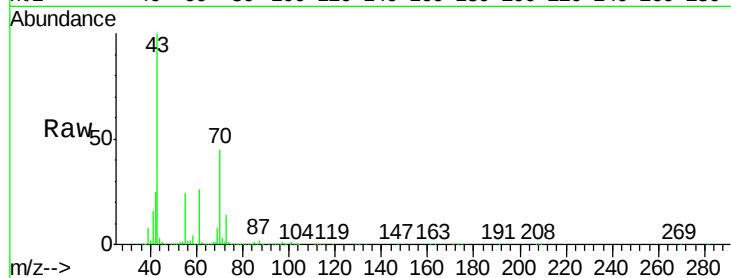
#47
n-amvl Acetate
Concen: 105.043 ug/l
RT: 10.88 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	768726
Ion Ratio	100	Lower	Upper
43	100		
55	24.0	19.0	28.4

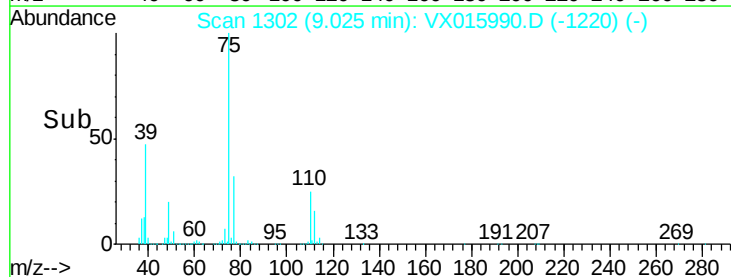
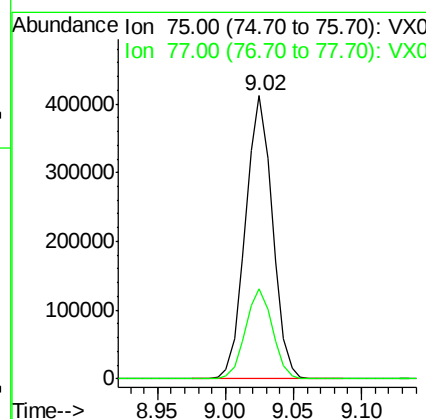
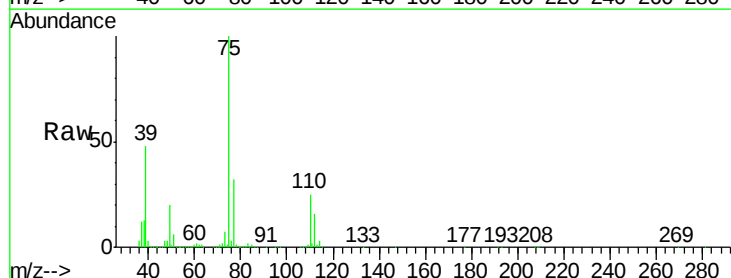
Manual Integrations
APPROVED

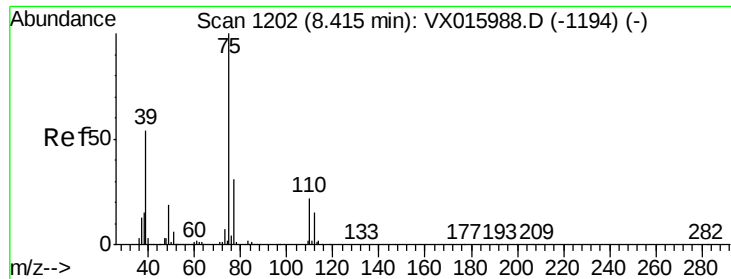
MMDadoda
5/4/2020 3:10:14 PM



#48
t-1,3-Dichloropropene
Concen: 108.172 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	75	Resp	573557
Ion Ratio	100	Lower	Upper
75	100		
77	31.8	25.8	38.8





#49

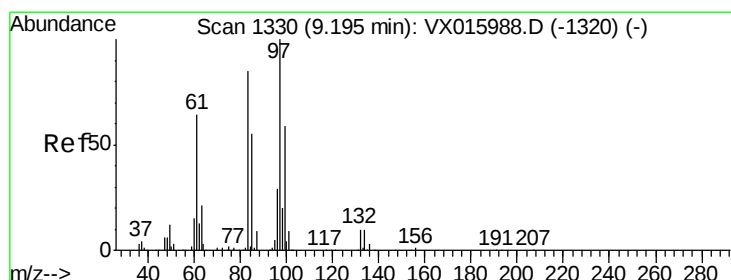
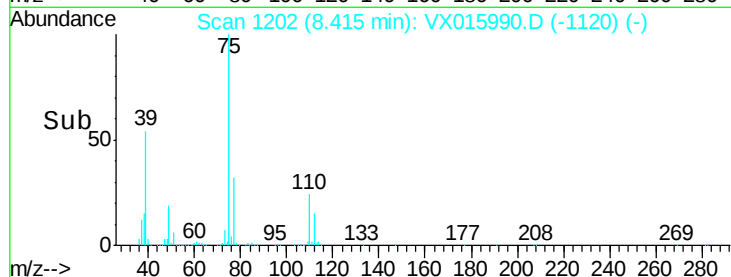
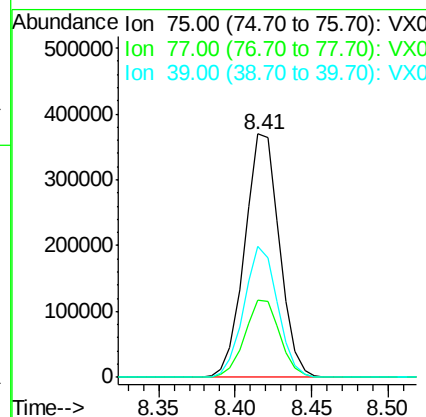
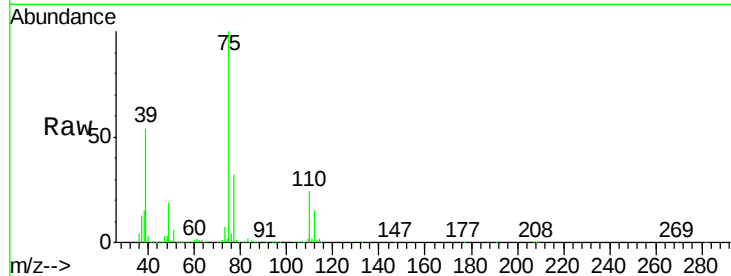
cis-1,3-Dichloropropene
Concen: 106.334 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6
39	54.0	43.2	64.8

Manual Integrations
APPROVED

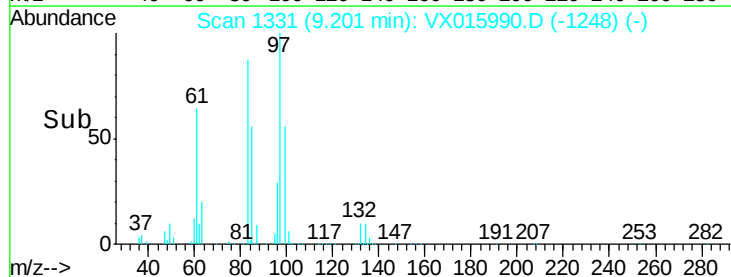
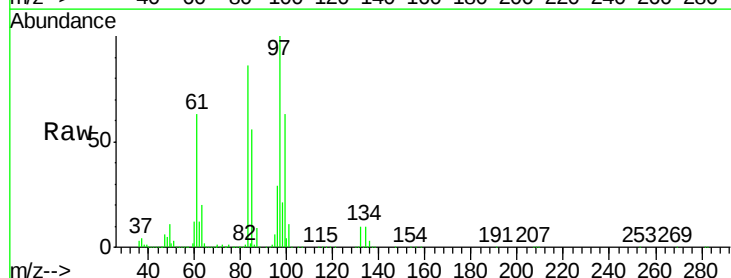
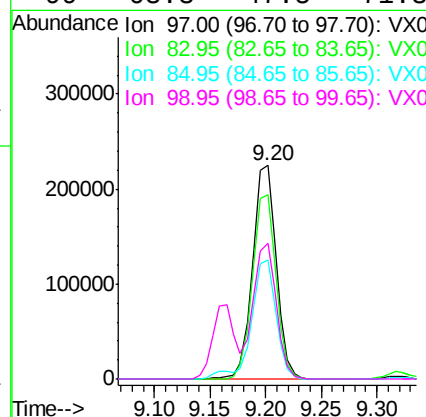
MMDadoda
5/4/2020 3:10:14 PM

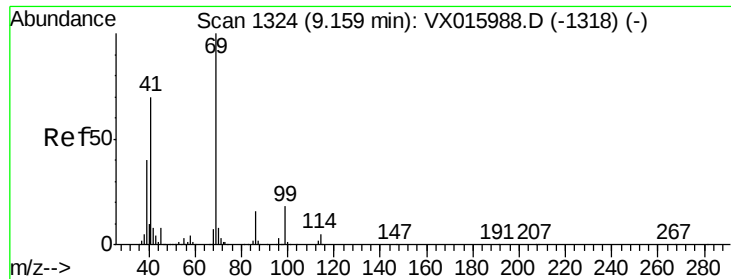


#50

1,1,2-Trichloroethane
Concen: 108.581 ug/l
RT: 9.20 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.7	101.5
85	55.5	43.7	65.5
99	63.3	47.5	71.3





#51

Ethyl methacrylate

Concen: 109.665 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

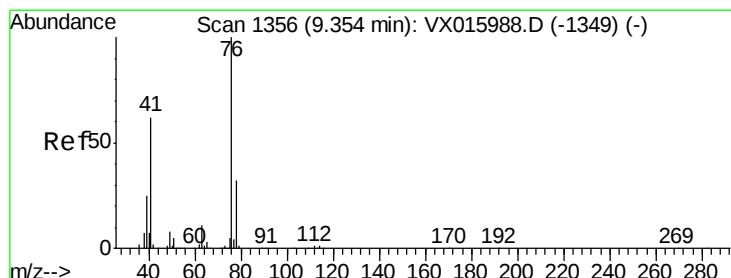
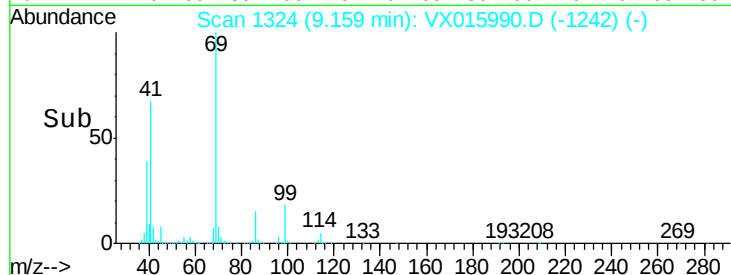
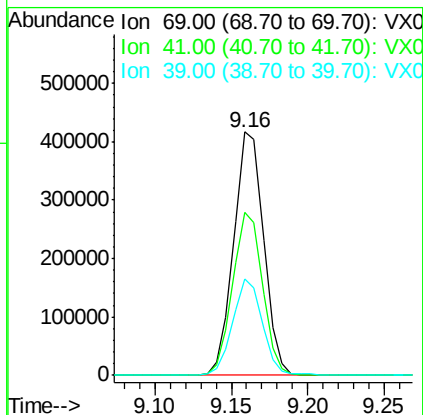
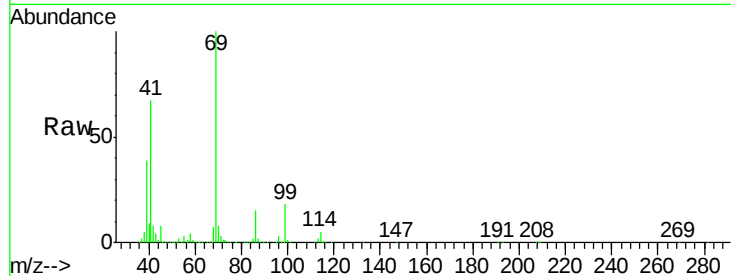
ClientSampleId :

VSTDICC100

Tot Ion:	69	Resp:	568411
Ion Ratio	Lower	Upper	
69	100		
41	67.0	34.8	104.4
39	39.3	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 107.223 ug/l

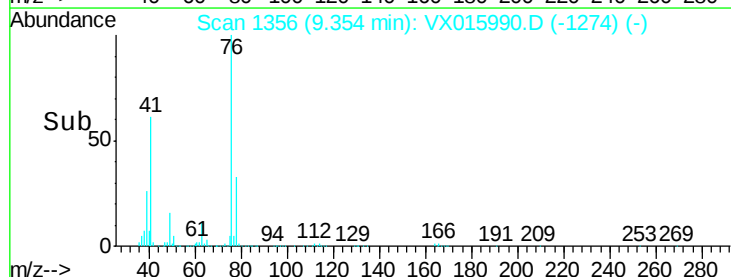
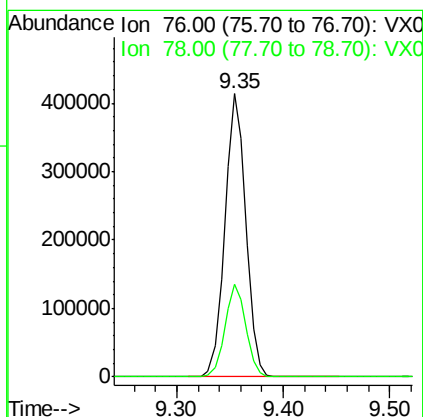
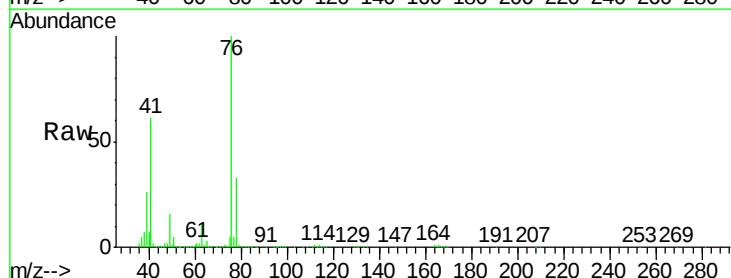
RT: 9.35 min Scan# 1356

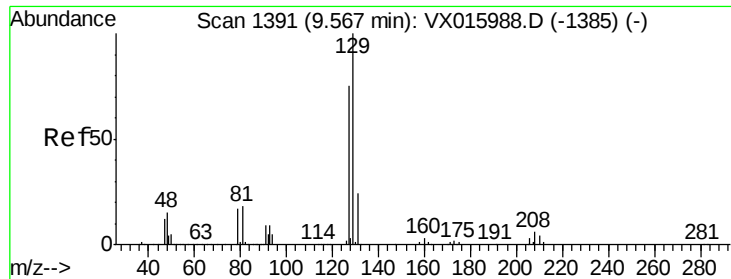
Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	76	Resp:	569084
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	64.2





#53

Dibromochloromethane

Concen: 105.028 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 386270

Ion Ratio Lower Upper

129 100

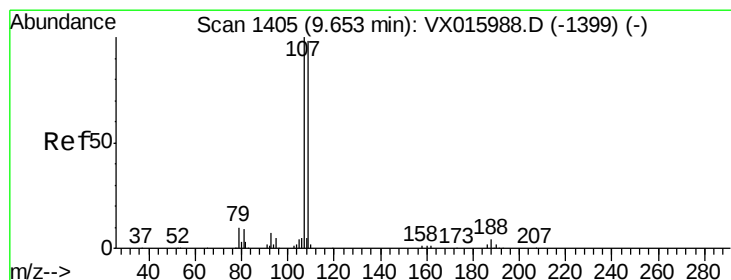
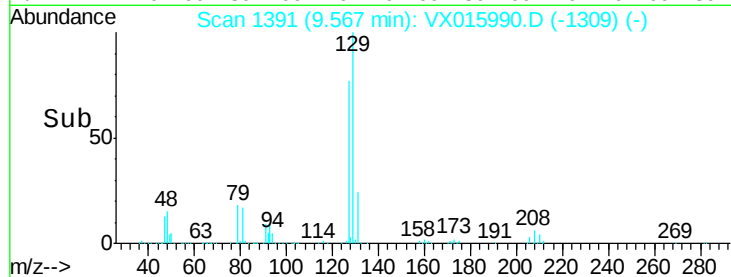
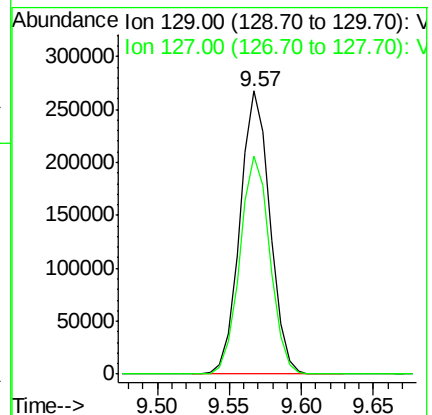
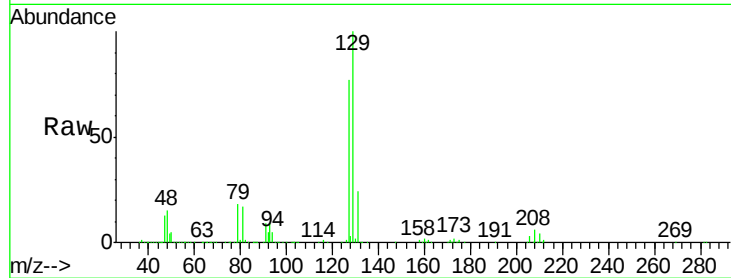
127 77.2 38.3 114.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 109.445 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX015990.D

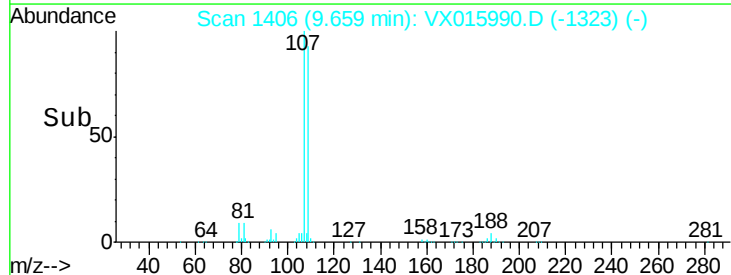
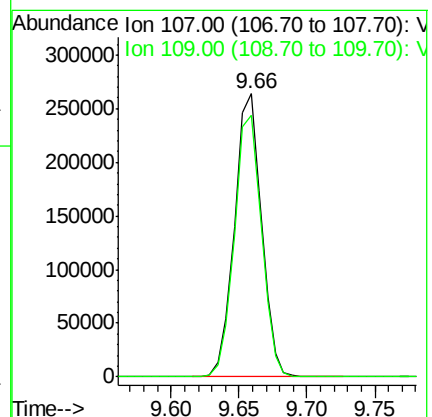
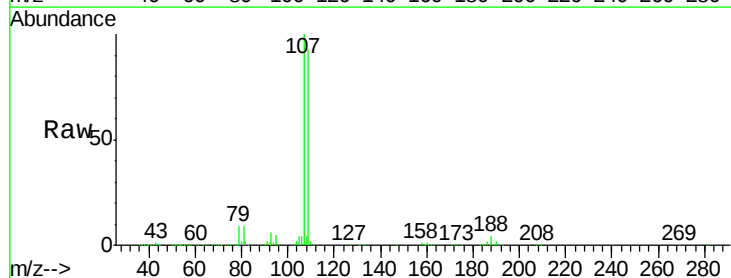
Acq: 30 Apr 2020 11:39

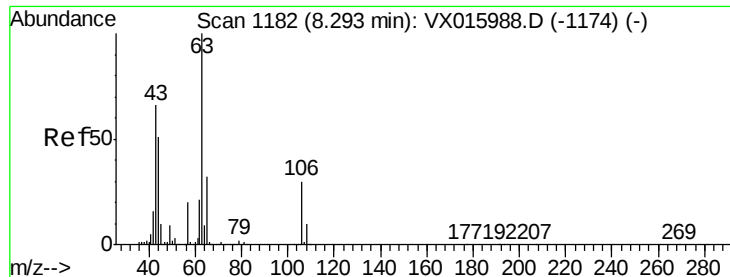
Tgt Ion:107 Resp: 364156

Ion Ratio Lower Upper

107 100

109 93.7 74.7 112.1





#55

2-Chloroethyl vinyl ether

Concen: 566.976 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1436220

Ion Ratio Lower Upper

63 100

65 32.3 25.6 38.4

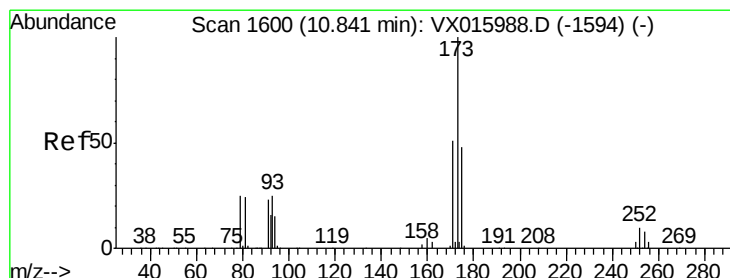
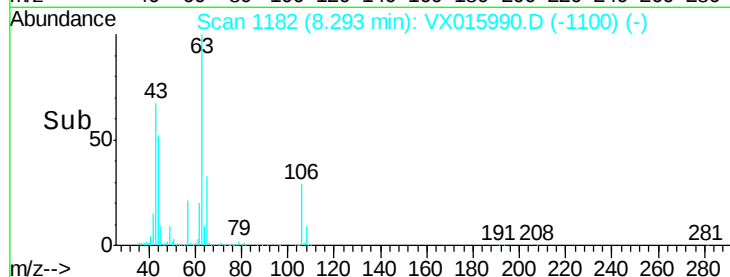
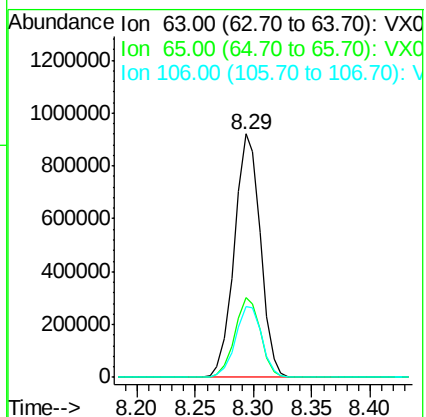
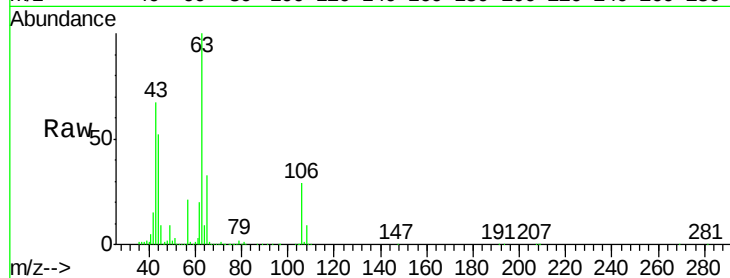
106 29.4 23.4 35.0

Manual Integrations

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#56

Bromoform

Concen: 103.023 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

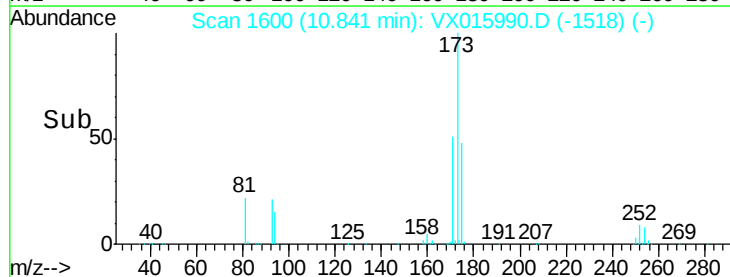
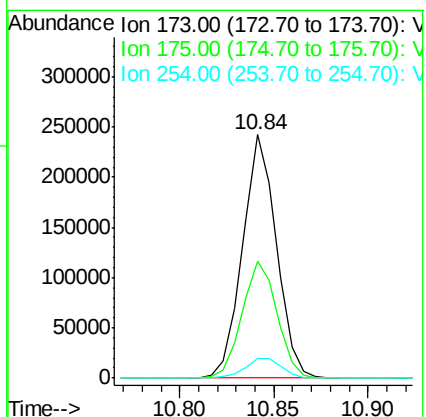
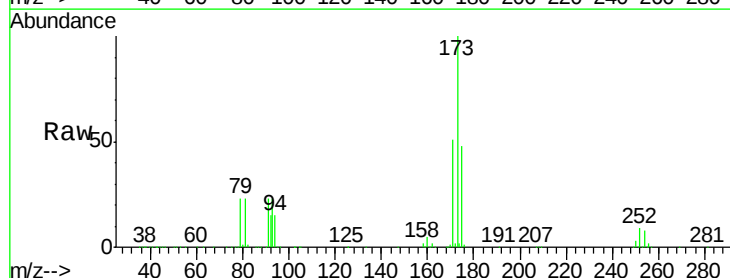
Tgt Ion: 173 Resp: 301301

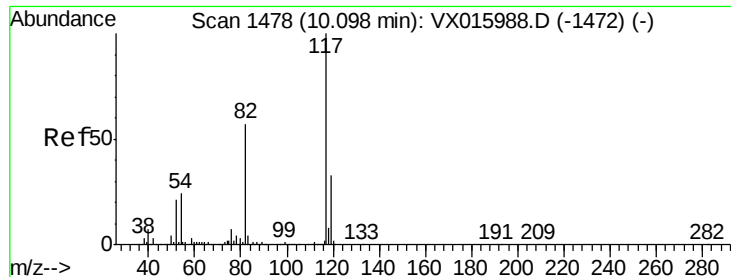
Ion Ratio Lower Upper

173 100

175 49.7 38.0 57.0

254 8.8 6.8 10.2





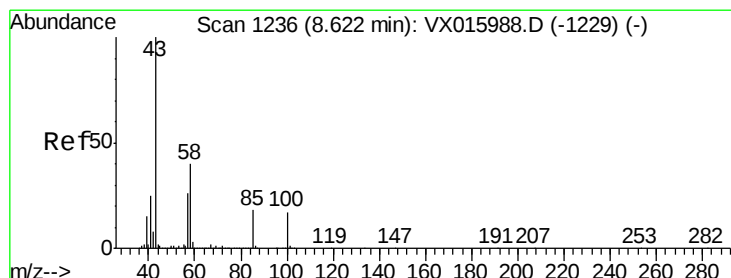
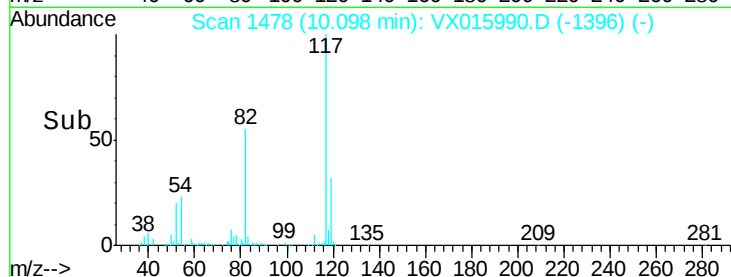
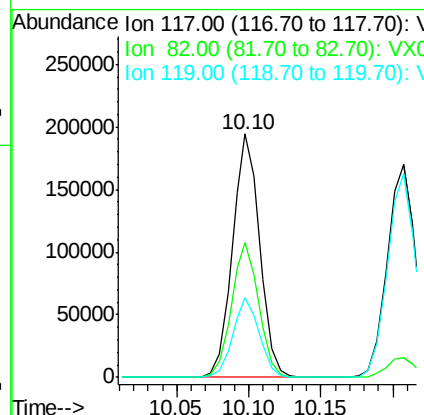
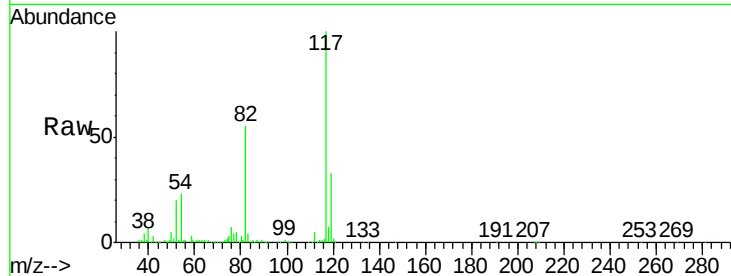
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.1	67.7
119	32.1	25.6	38.4

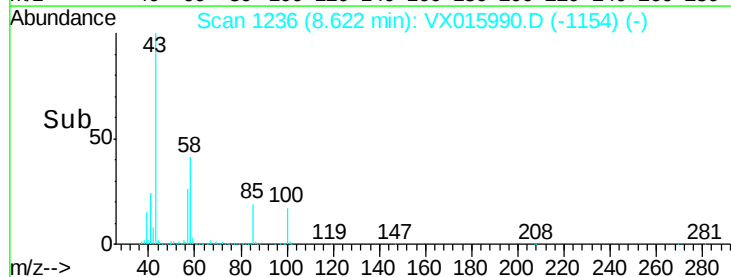
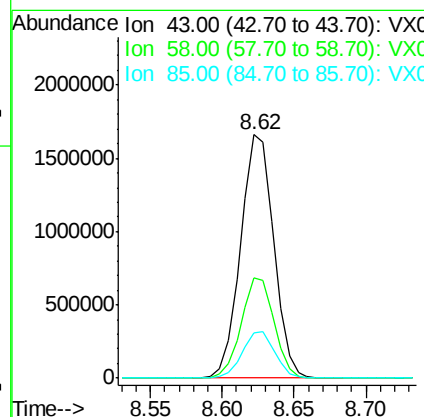
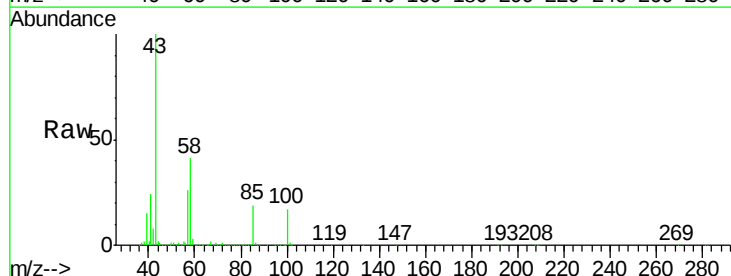
Manual Integrations
APPROVED

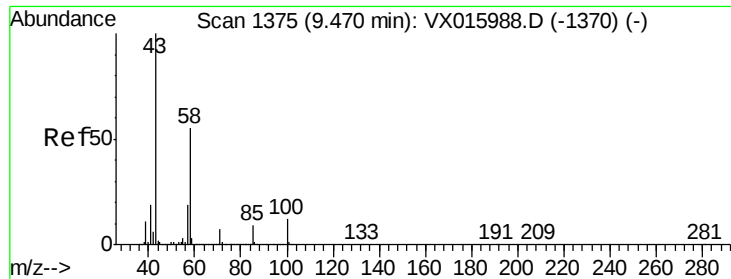
MMDadoda
5/4/2020 3:10:14 PM



#58
4-Methyl-2-Pentanone
Concen: 544.034 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.8	47.6
85	18.9	14.5	21.7





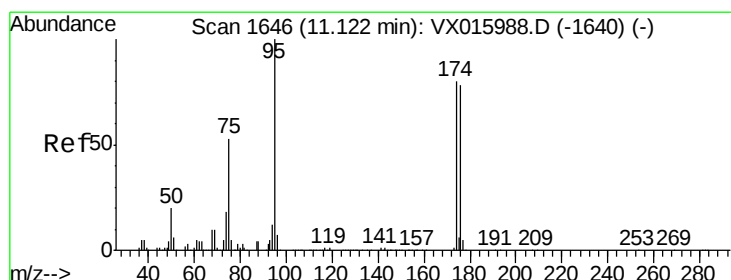
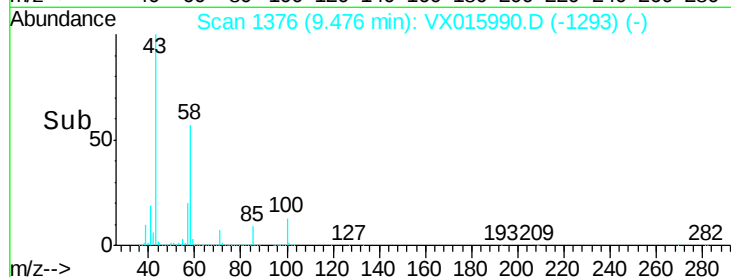
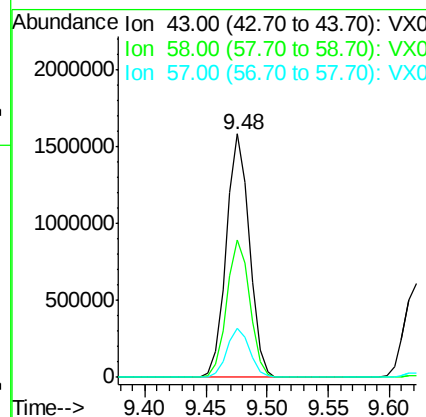
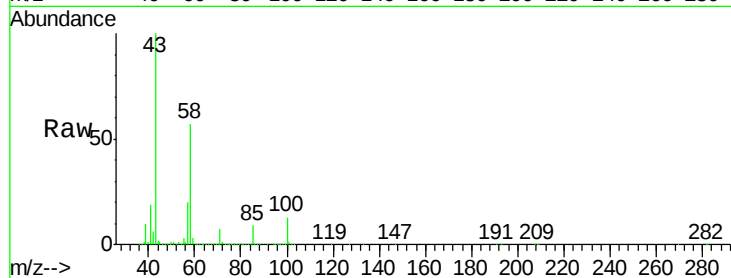
#59
2-Hexanone
Concen: 553.311 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	44.0	66.0
57	20.0	15.5	23.3

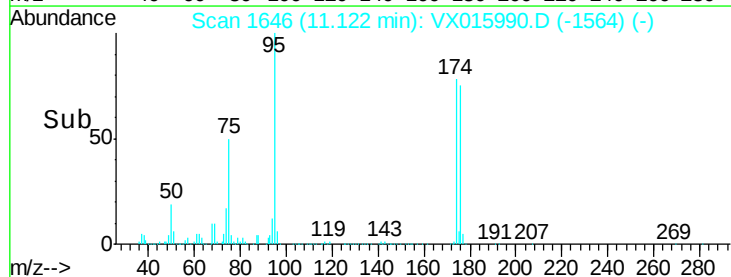
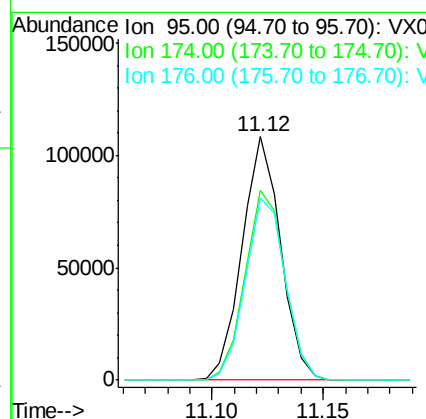
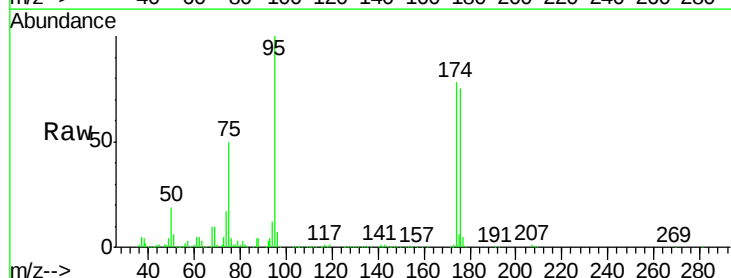
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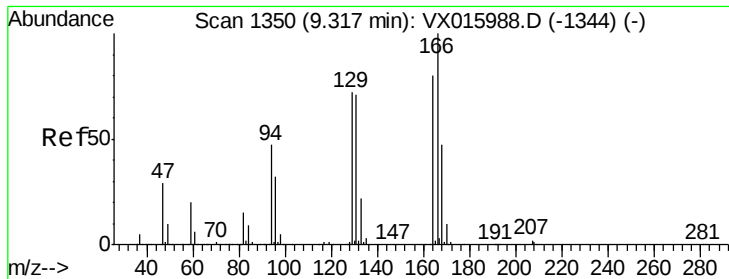
MMDadoda
5/4/2020 3:10:14 PM



#60
4-Bromofluorobenzene
Concen: 30.159 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	64.8	97.2
176	77.9	62.4	93.6





#61

Tetrachloroethene

Concen: 127.649 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 510373

Ion Ratio Lower Upper

164 100

166 123.6 100.1 150.1

129 92.9 72.2 108.4

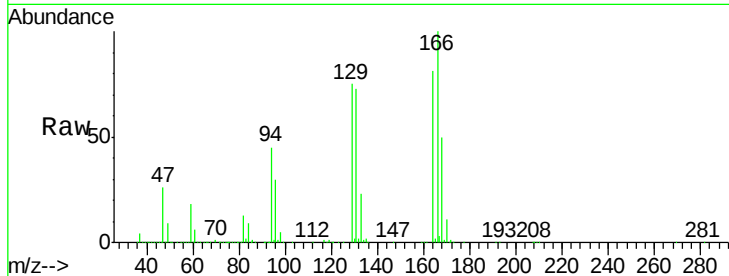
131 89.8 71.3 106.9

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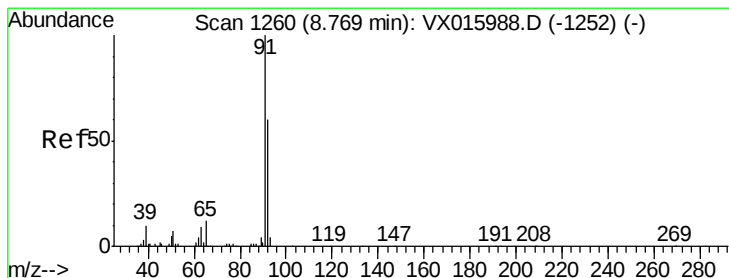
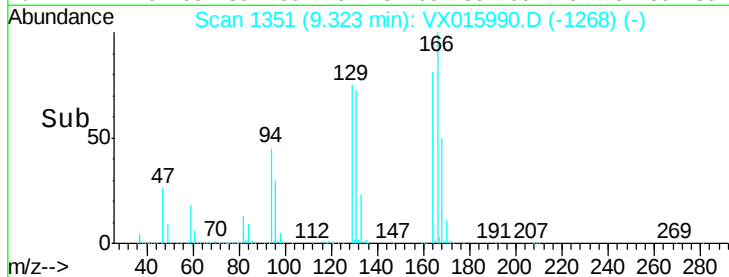
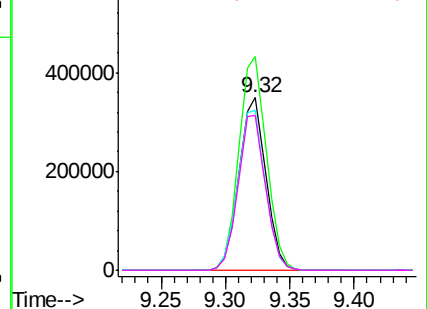


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 108.526 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX015990.D

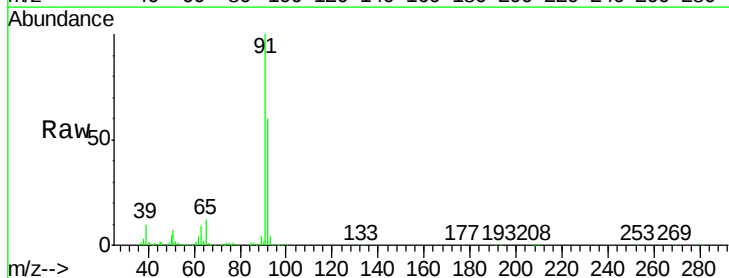
Acq: 30 Apr 2020 11:39

Tgt Ion: 91 Resp: 1422743

Ion Ratio Lower Upper

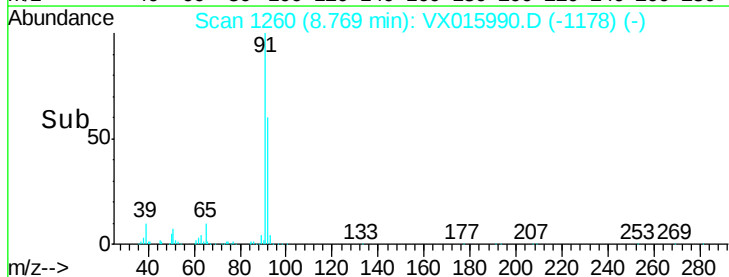
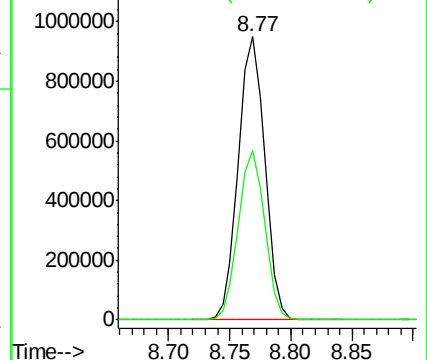
91 100

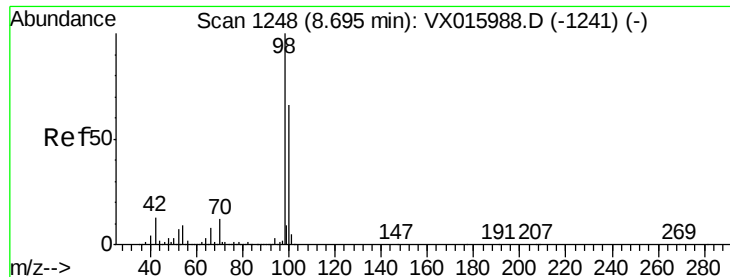
92 59.5 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.085 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 327826

Ion Ratio Lower Upper

98 100

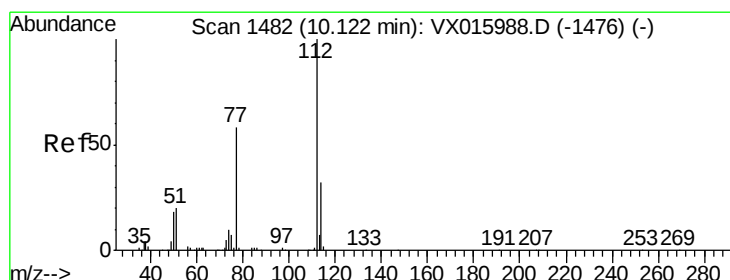
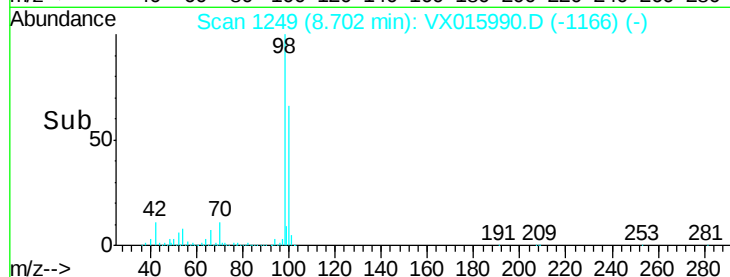
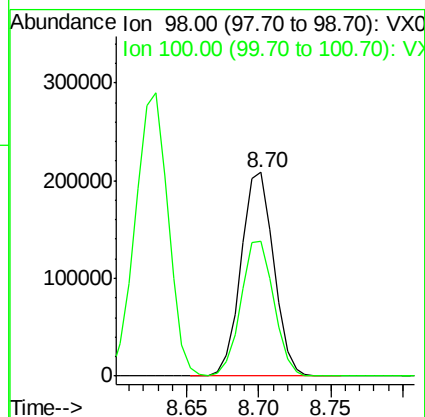
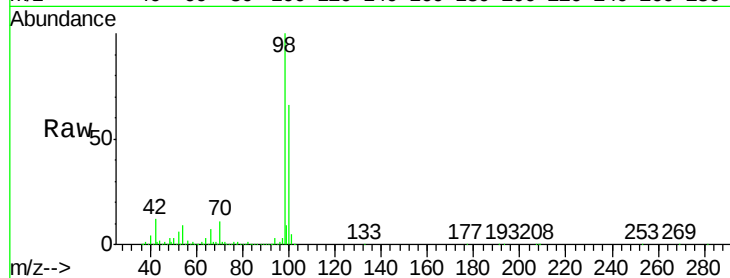
100 66.6 52.5 78.7

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#64

Chlorobenzene

Concen: 108.350 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX015990.D

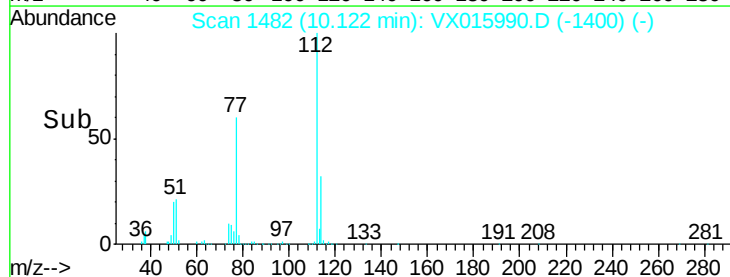
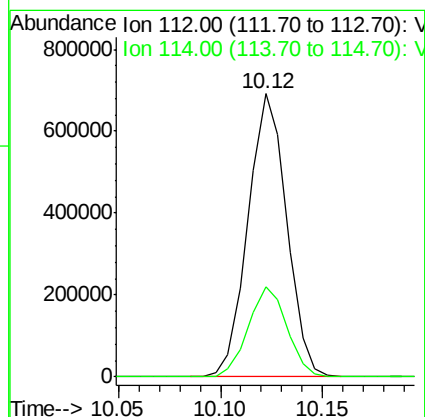
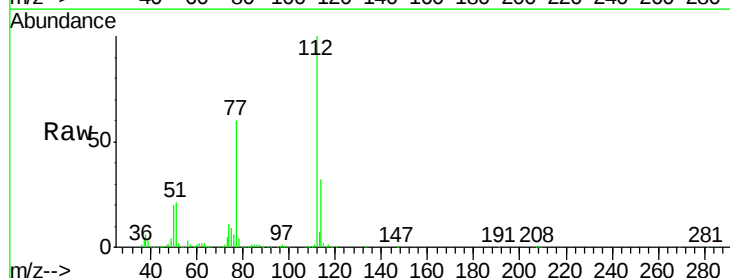
Acq: 30 Apr 2020 11:39

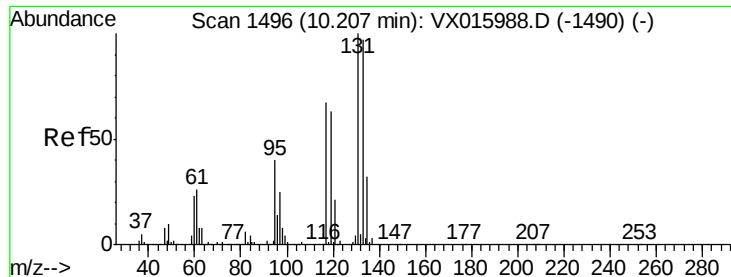
Tgt Ion: 112 Resp: 913078

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 104.195 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

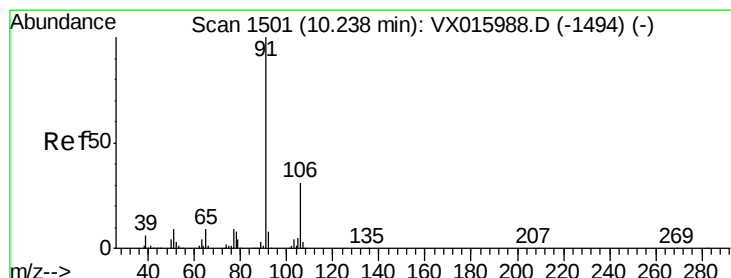
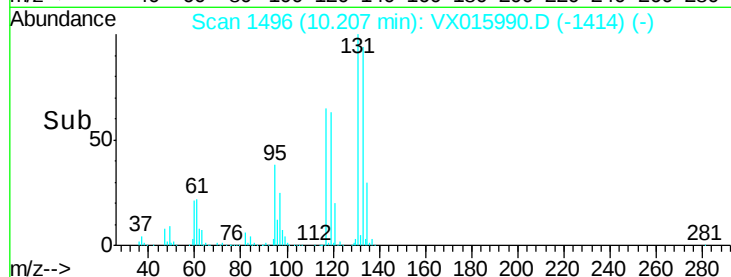
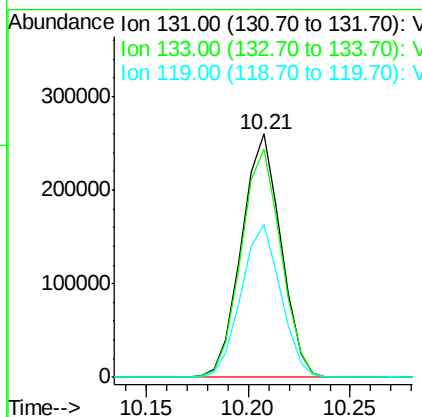
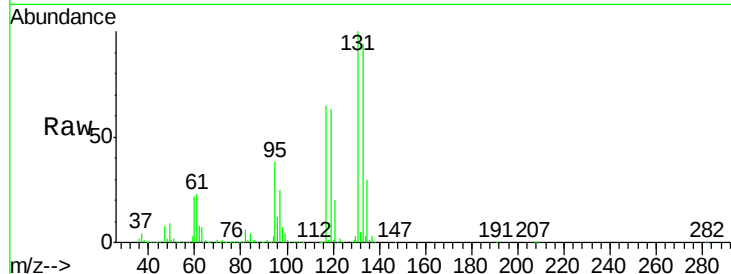
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	349461
Ion Ratio		Lower	Upper
131	100		
133	94.9	0.0	187.0
119	62.9	0.0	129.0

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#66

Ethyl Benzene

Concen: 109.212 ug/l

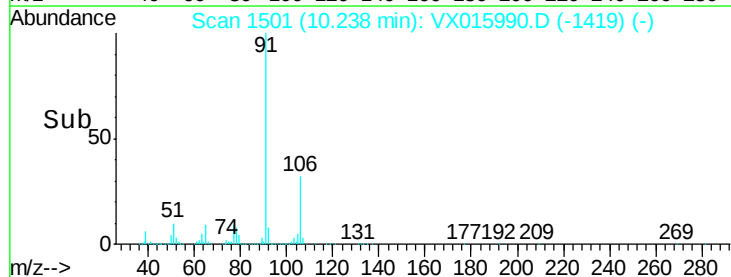
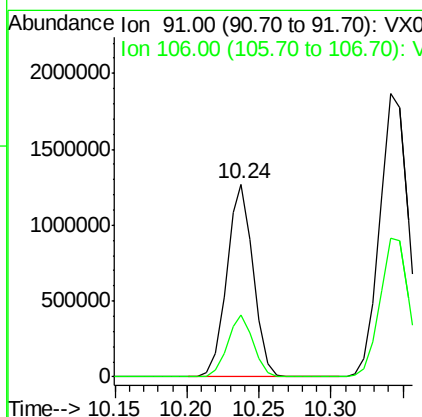
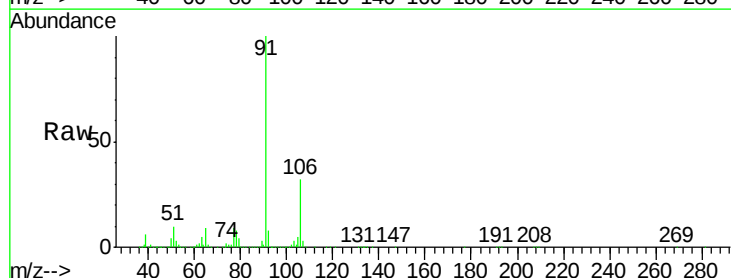
RT: 10.24 min Scan# 1501

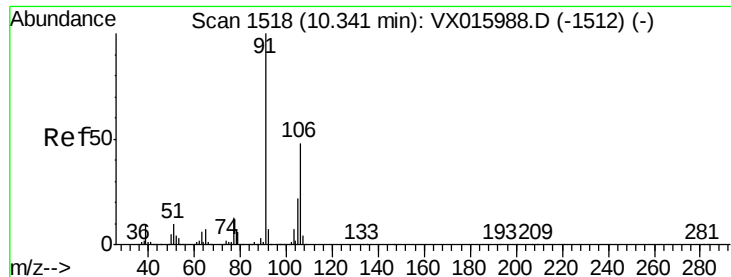
Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	91	Resp:	1629167
Ion Ratio		Lower	Upper
91	100		
106	32.0	24.8	37.2





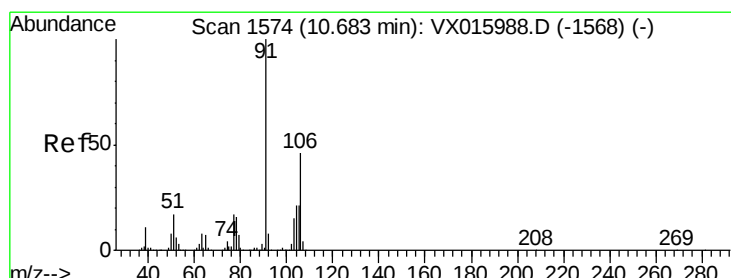
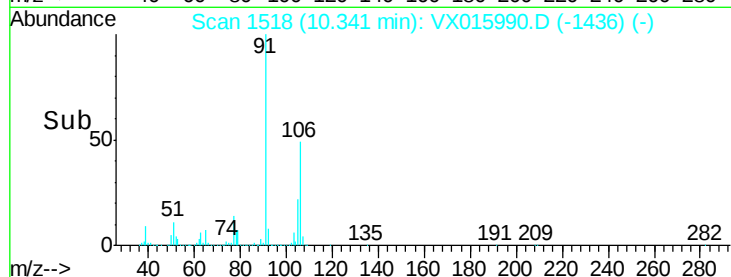
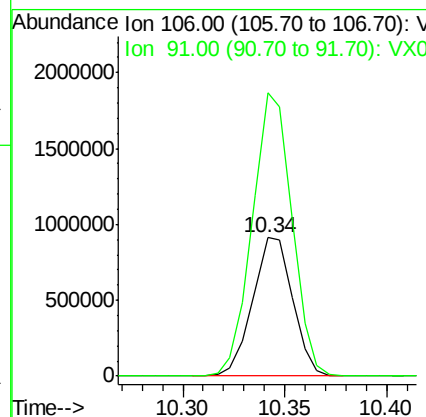
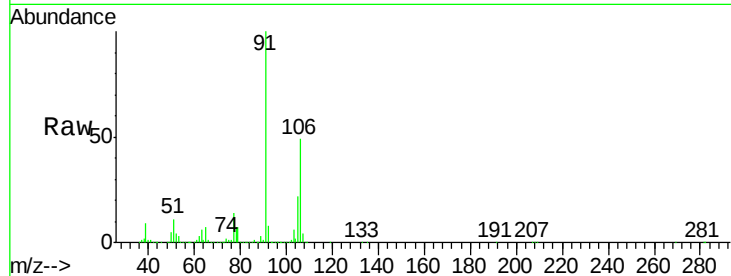
#67
m/p-Xylenes
Concen: 219.851 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1248350
Ion Ratio Lower Upper
106 100
91 202.7 164.2 246.4

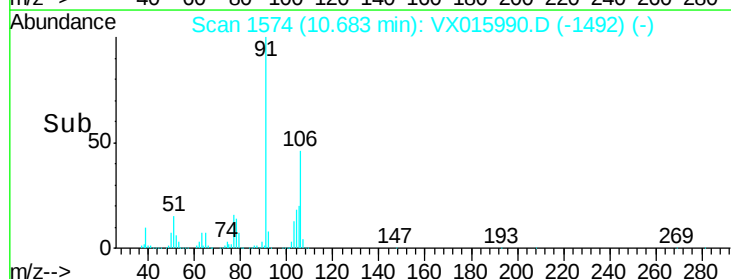
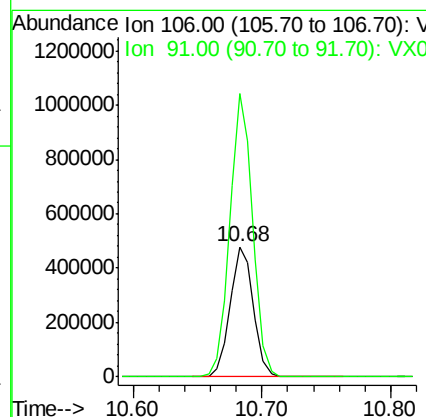
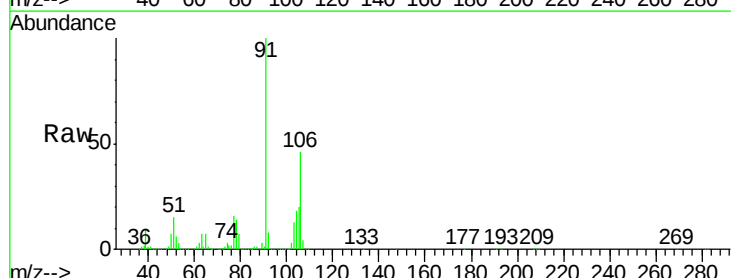
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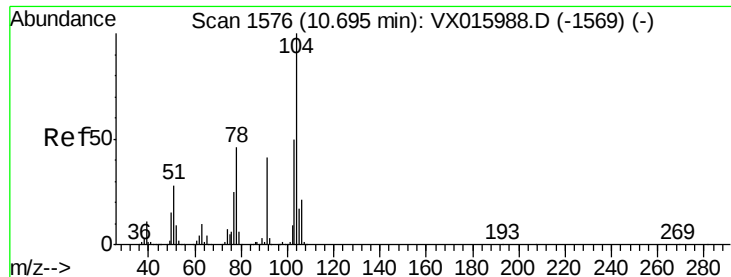
MMDadoda
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#68
o-Xylene
Concen: 110.373 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion:106 Resp: 607726
Ion Ratio Lower Upper
106 100
91 212.9 108.3 325.0





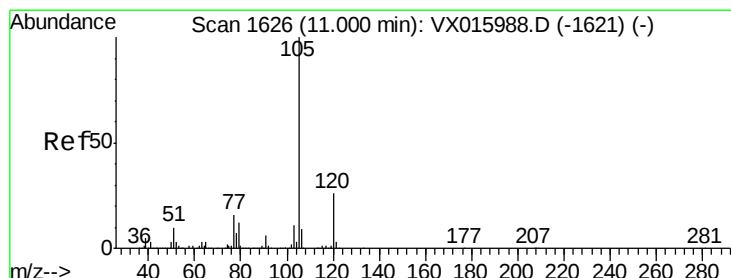
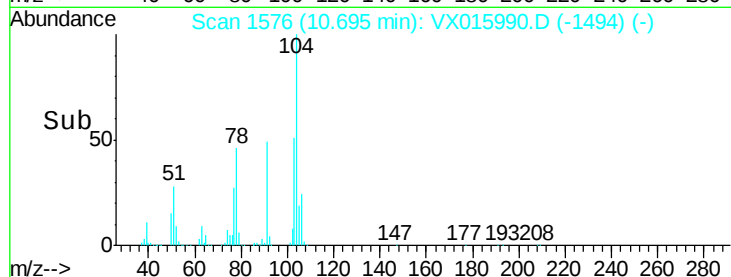
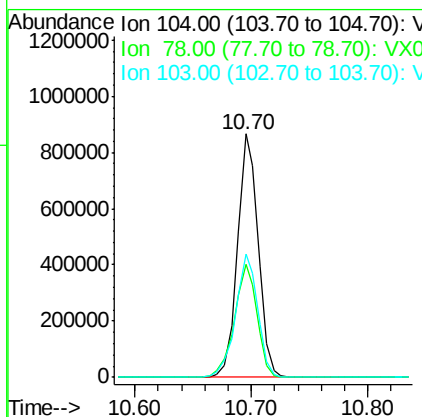
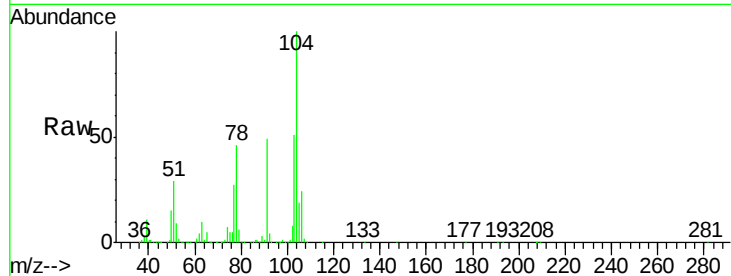
#69
Stvrene
Concen: 112.325 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.7	61.1
103	54.0	43.0	64.4

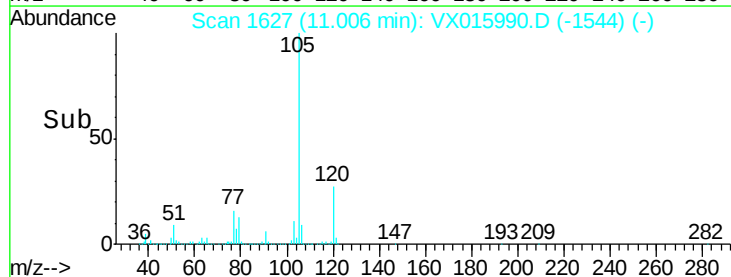
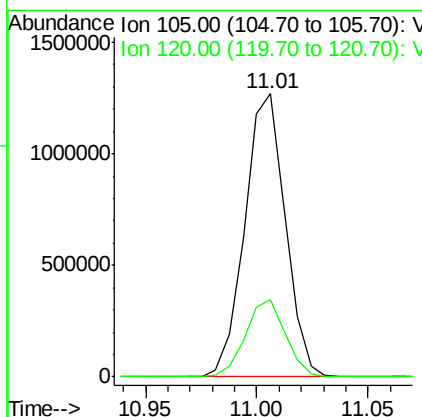
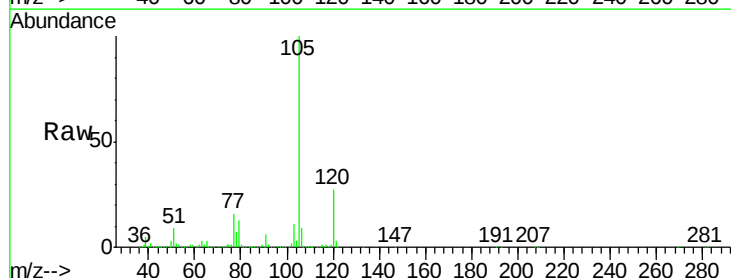
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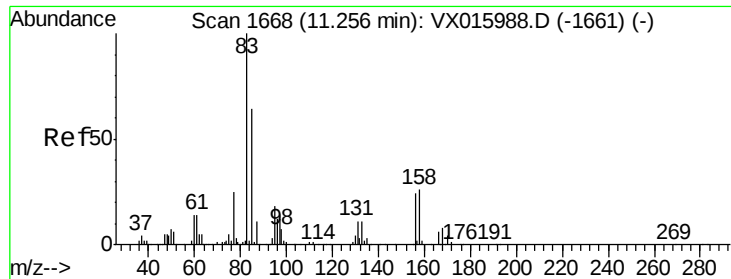
MMDadoda
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#70
Isopropylbenzene
Concen: 109.763 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.6	34.5





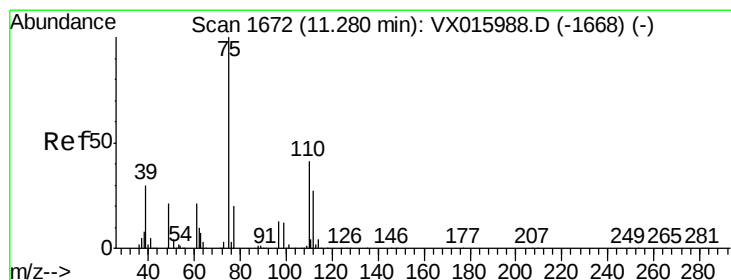
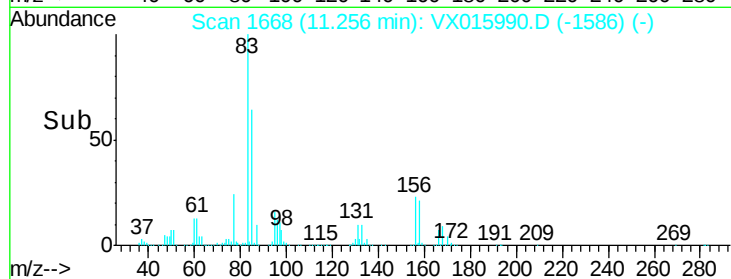
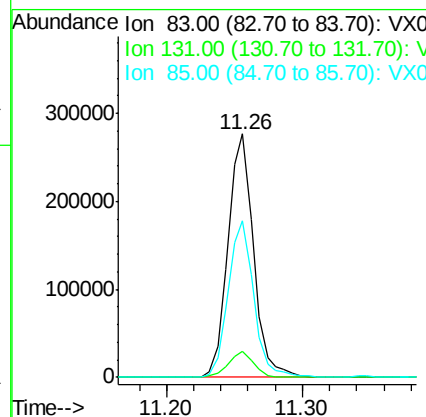
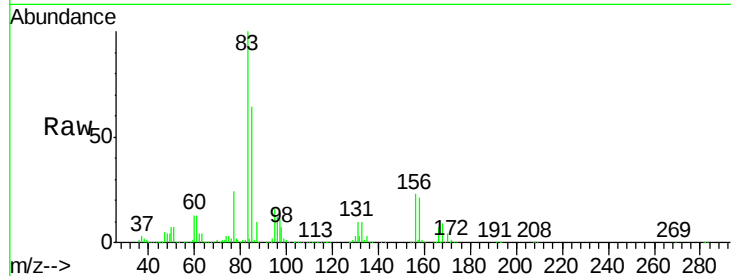
#71
 1,1,2,2-Tetrachloroethane
 Concen: 92.625 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.4	5.2	15.6	
85	64.6	33.0	98.9	

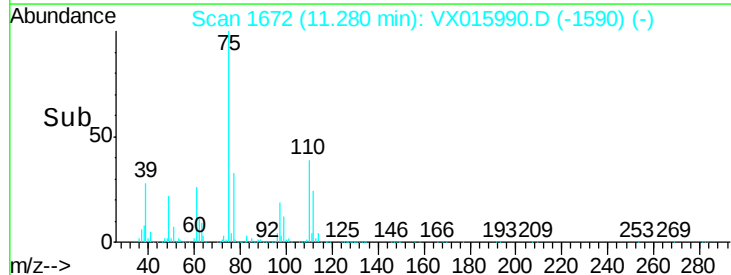
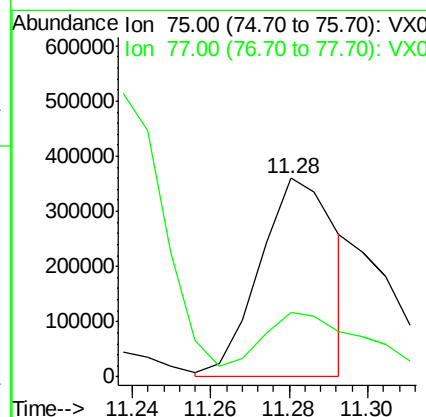
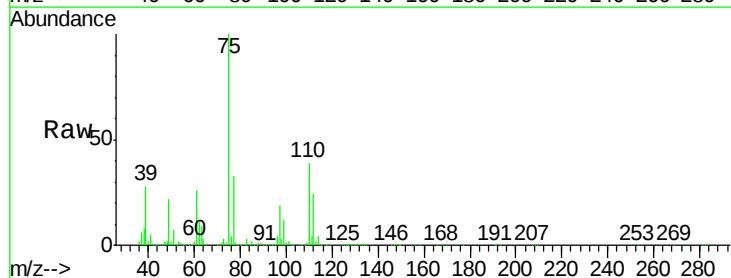
Manual Integrations
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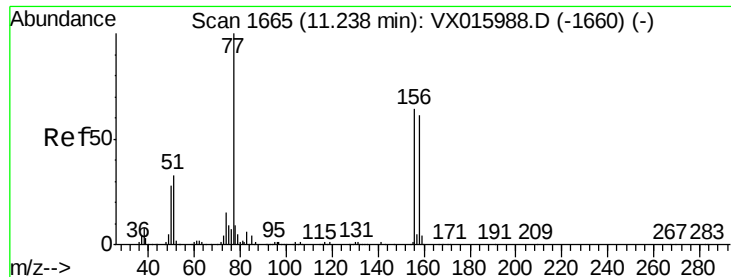
MMDadoda
 5/4/2020 3:10:14 PM



#72
 1,2,3-Trichloropropane
 Concen: 108.482 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	44.8	0.0	86.0	





#73

Bromobenzene

Concen: 105.574 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

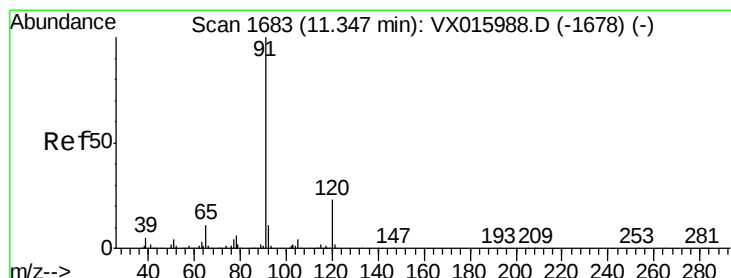
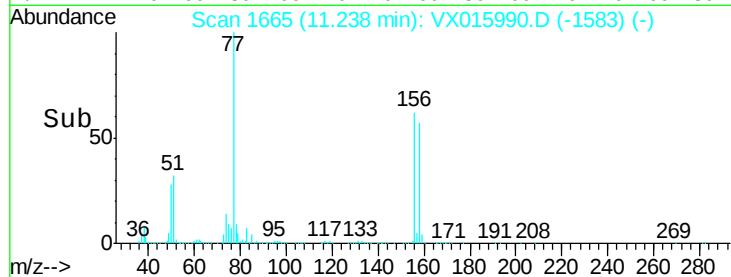
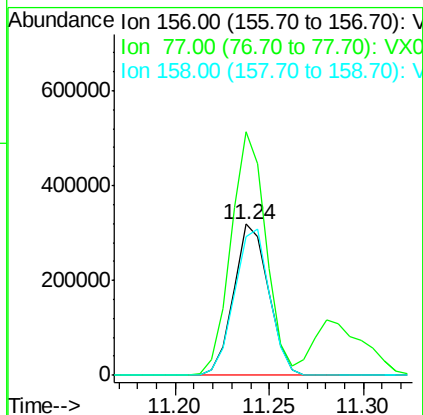
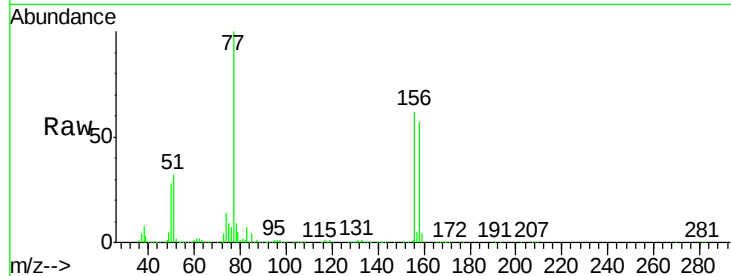
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	409232
Ion Ratio	Lower	Upper	
156	100		
77	160.9	0.0	318.0
158	97.6	0.0	193.2

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#74

n-propylbenzene

Concen: 112.023 ug/l

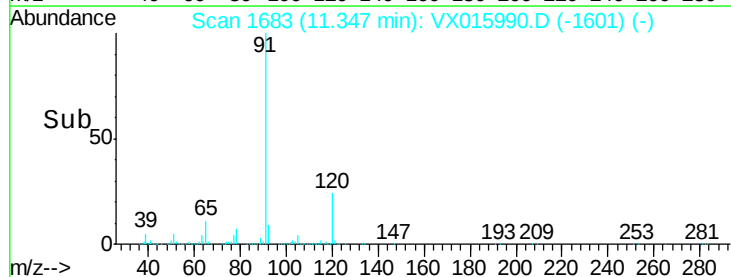
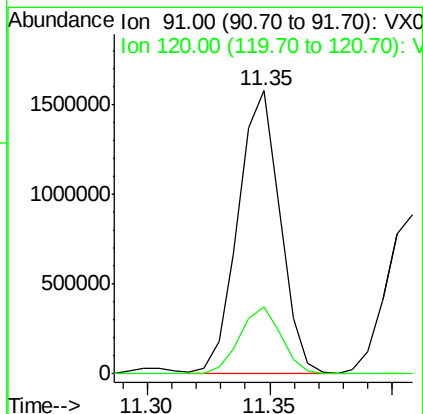
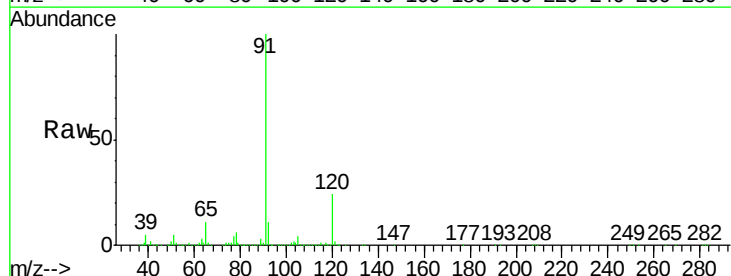
RT: 11.35 min Scan# 1683

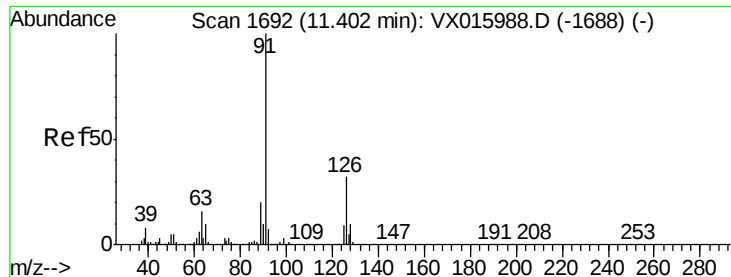
Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	91	Resp:	1894888
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	45.4





#75

2-Chlorotoluene

Concen: 108.972 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1107857

Ion Ratio Lower Upper

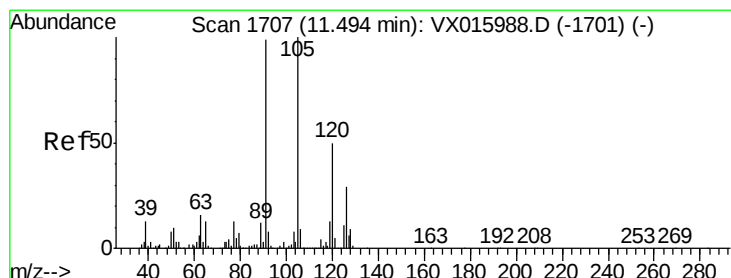
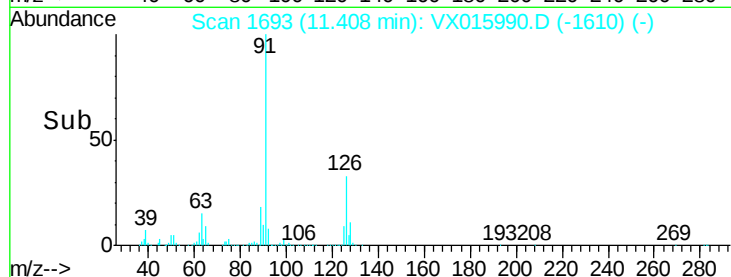
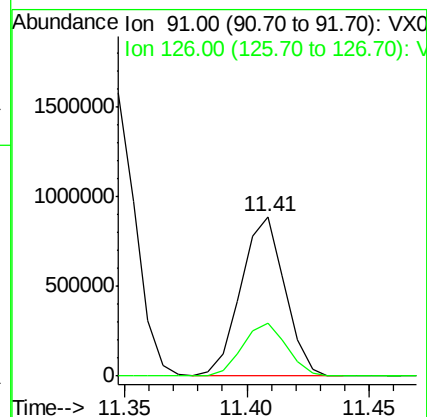
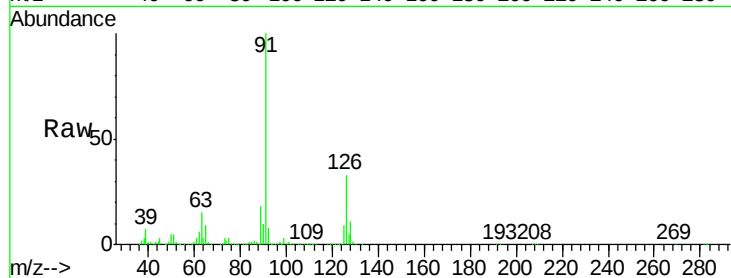
91 100

126 33.5 0.0 66.2

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#76

1,3,5-Trimethylbenzene

Concen: 111.501 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX015990.D

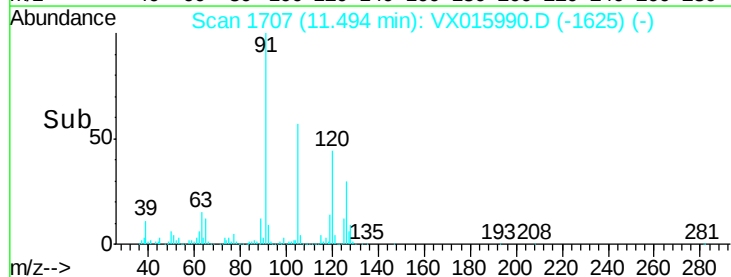
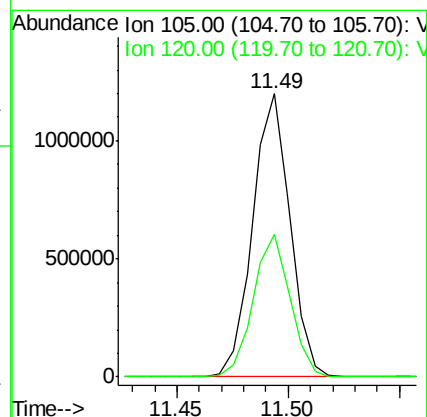
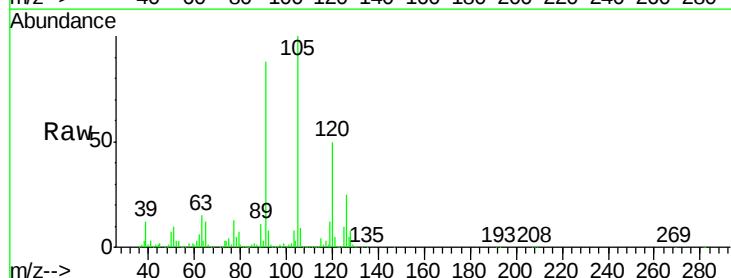
Acq: 30 Apr 2020 11:39

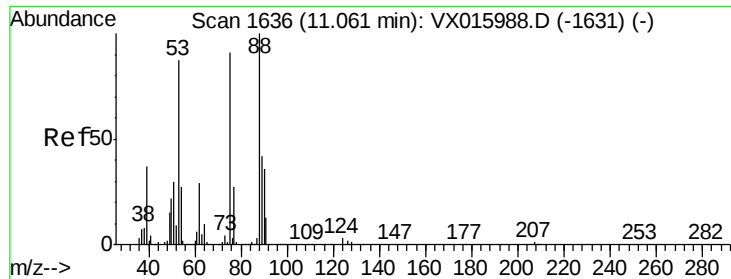
Tgt Ion: 105 Resp: 1397792

Ion Ratio Lower Upper

105 100

120 49.9 0.0 99.4





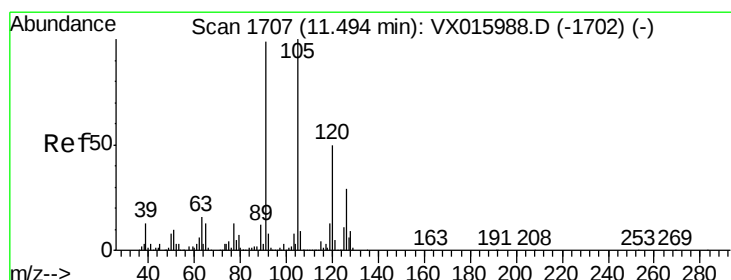
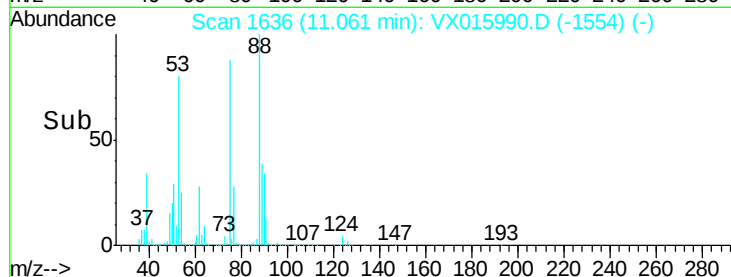
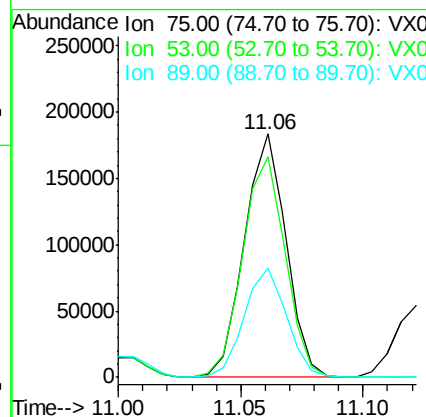
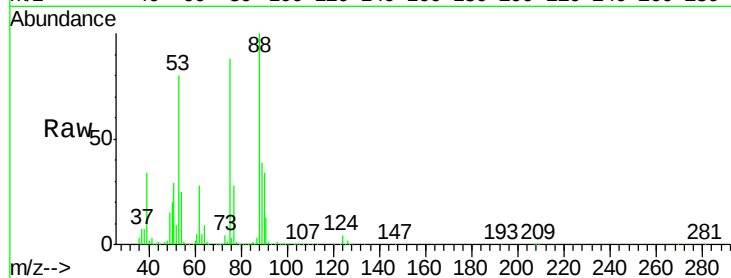
#77
t-1,4-Dichloro-2-butene
Concen: 113.722 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	48.0	144.2
89	44.6	23.4	70.3

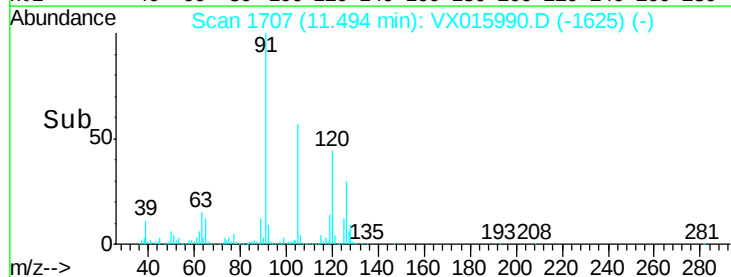
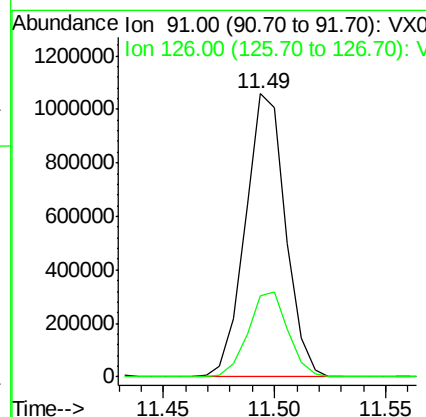
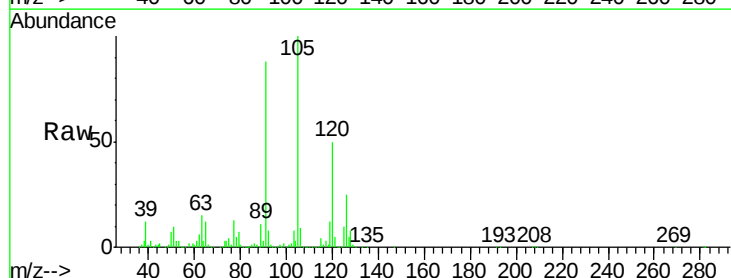
Manual Integrations
APPROVED

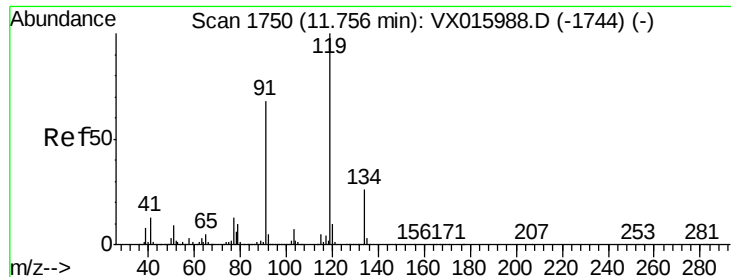
MMDadoda
5/4/2020 3:10:14 PM



#78
4-Chlorotoluene
Concen: 112.199 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	0.0	58.4





#79

tert-butylbenzene

Concen: 100.852 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1194776

Ion Ratio Lower Upper

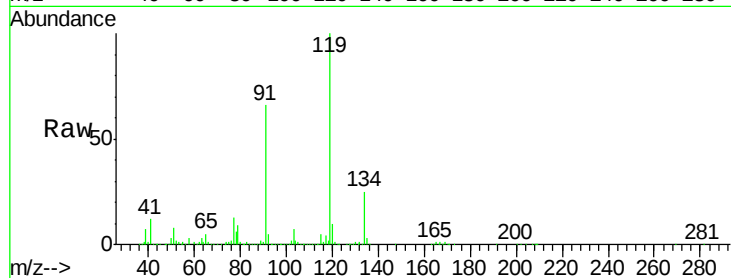
119 100

91 65.8 0.0 135.6

134 24.8 0.0 51.0

Manual Integrations
APPROVED

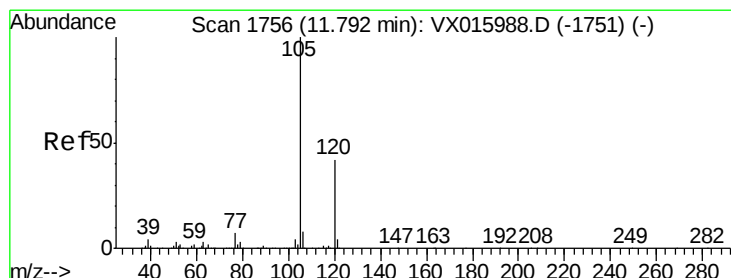
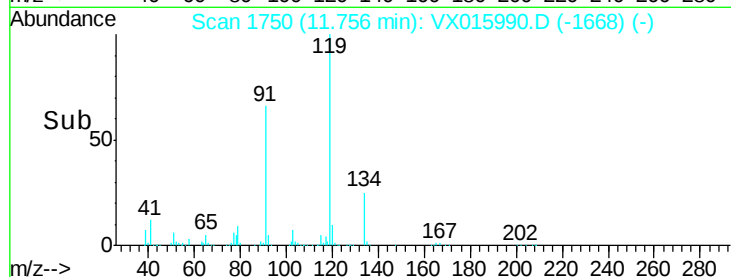
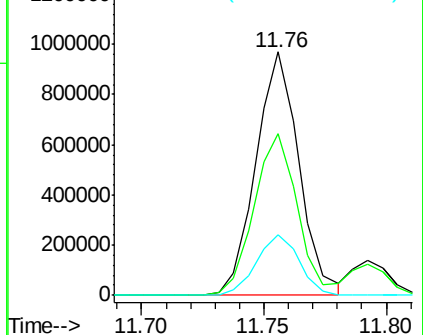
MMDadoda
5/4/2020 3:10:14 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 110.420 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX015990.D

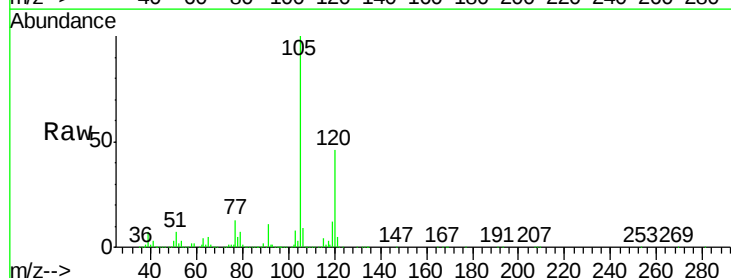
Acq: 30 Apr 2020 11:39

Tgt Ion:105 Resp: 1394263

Ion Ratio Lower Upper

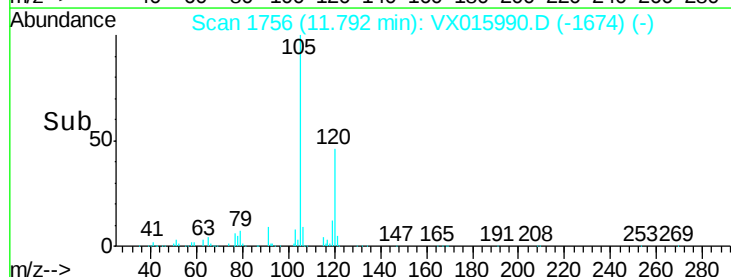
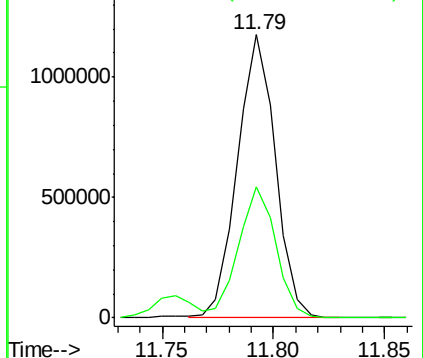
105 100

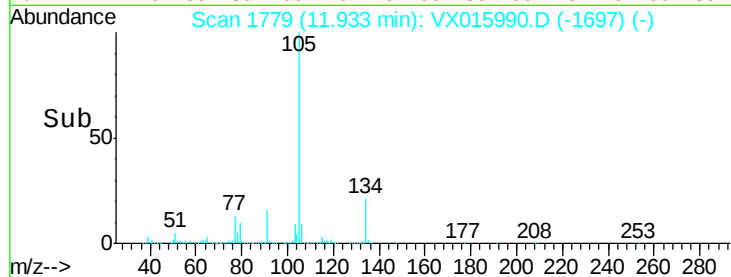
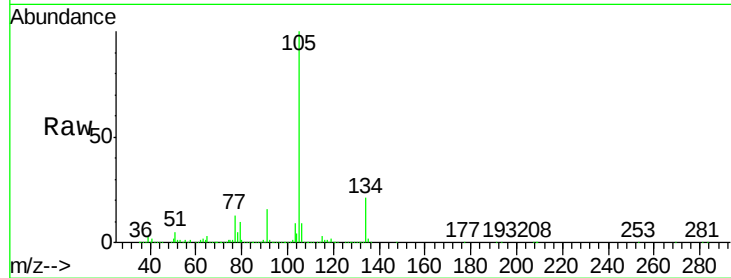
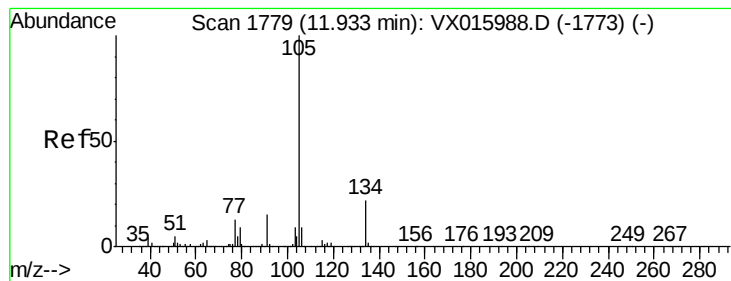
120 45.9 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 111.628 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tot Ion:105 Resp: 1609793

Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.2

Instrument :

MSVOA_X

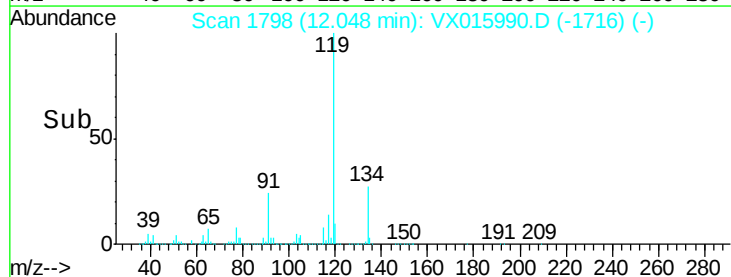
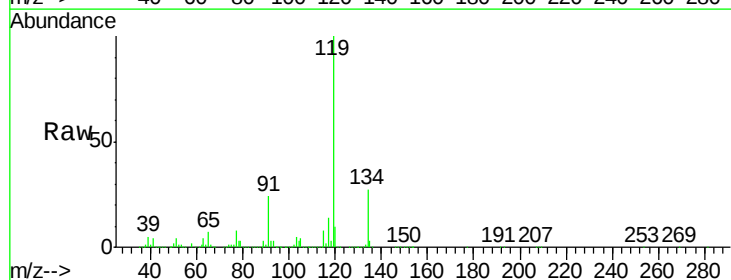
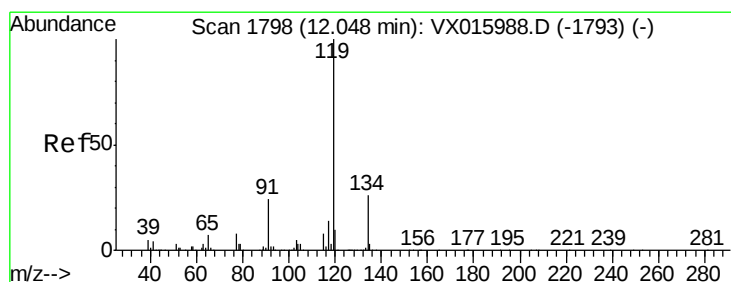
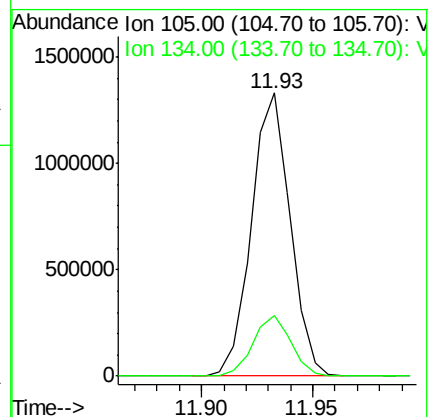
ClientSampled :

VSTDIC100

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 110.600 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

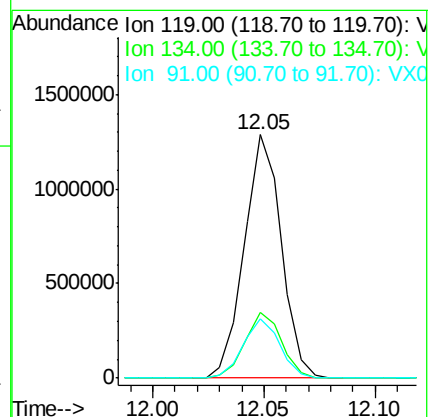
Tgt Ion:119 Resp: 1496713

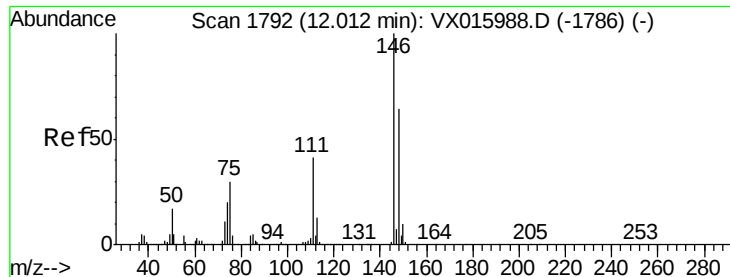
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

91 24.0 0.0 47.6





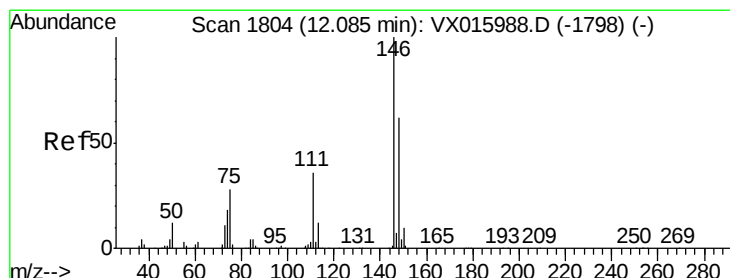
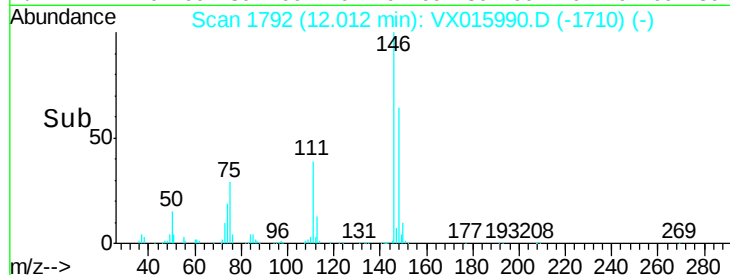
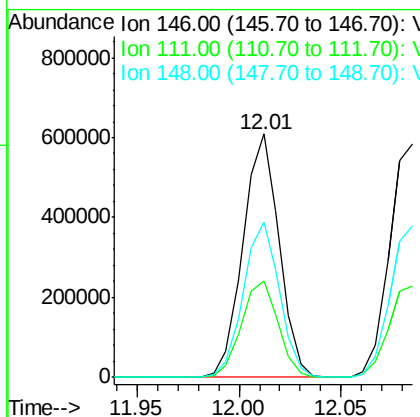
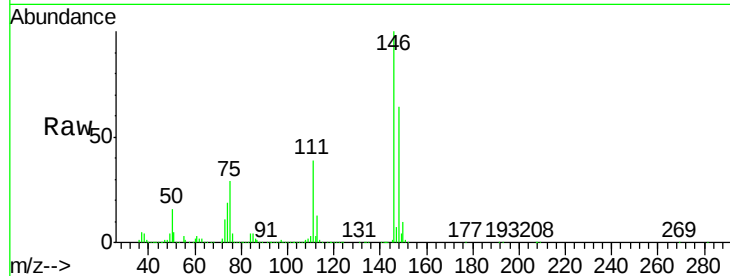
#83
 1,3-Dichlorobenzene
 Concen: 107.325 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	63.7	31.9	95.9

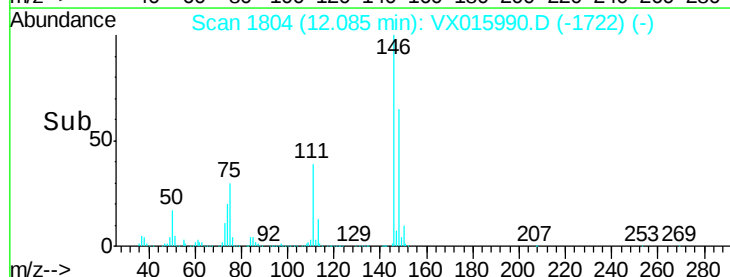
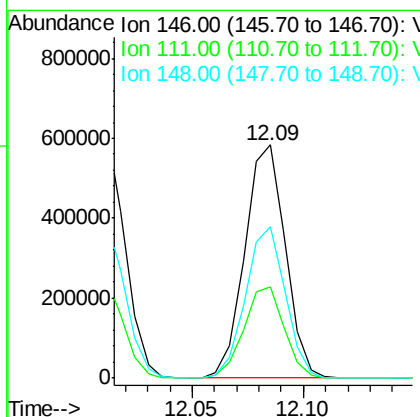
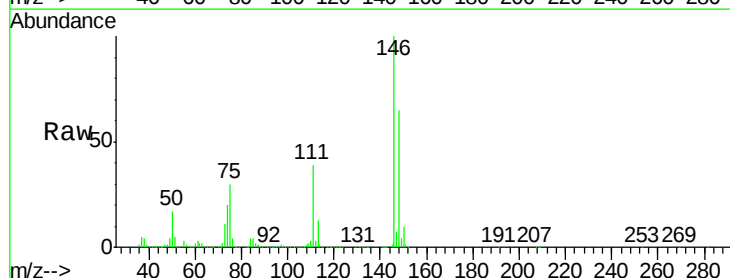
Manual Integrations
 APPROVED

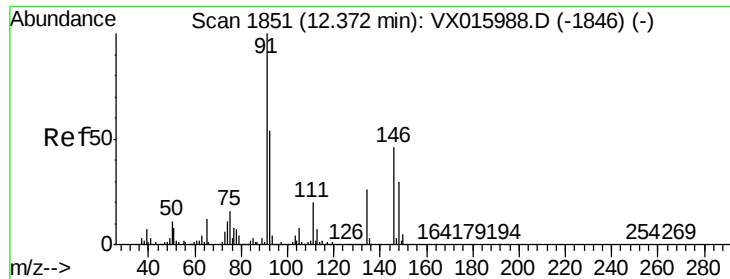
MMDadoda
 5/4/2020 3:10:14 PM



#84
 1,4-Dichlorobenzene
 Concen: 107.028 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.8	32.0	96.0





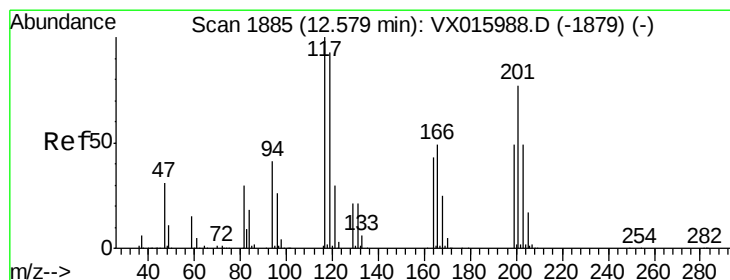
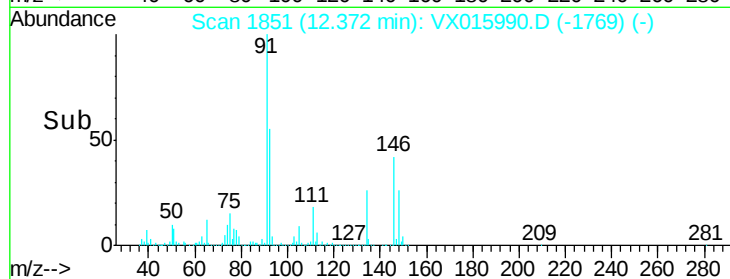
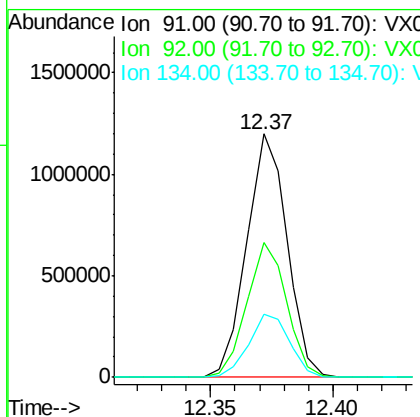
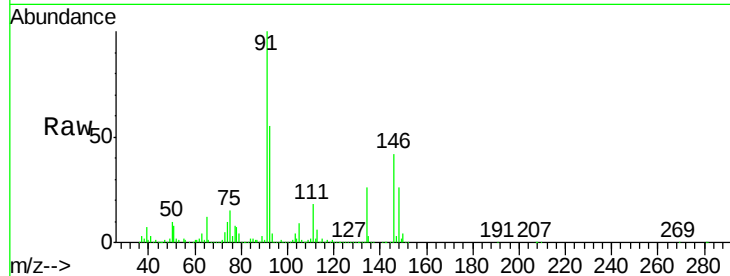
#85
n-Butylbenzene
Concen: 113.966 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	0.0	110.2
134	26.3	0.0	53.4

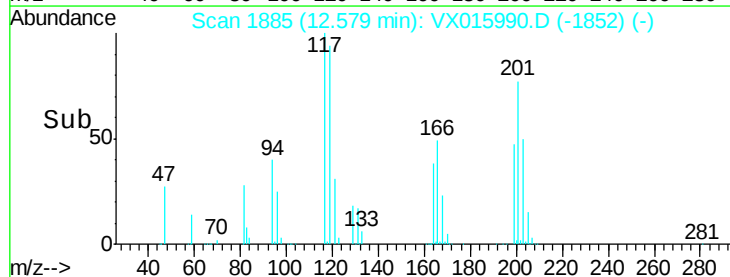
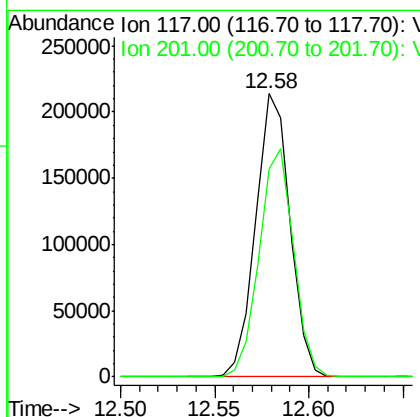
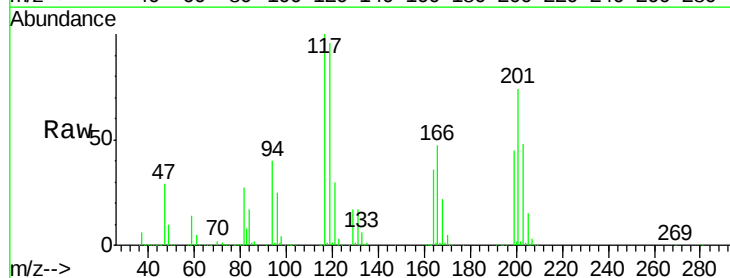
Manual Integrations
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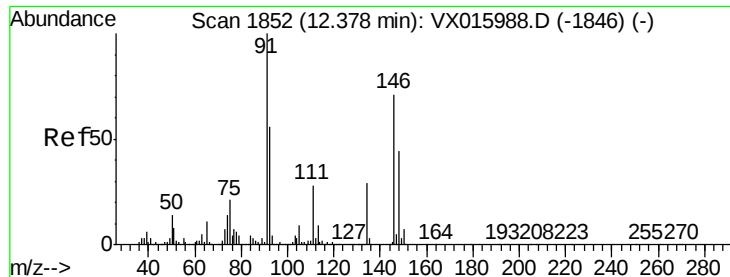
MMDadoda
5/4/2020 3:10:14 PM



#86
Hexachloroethane
Concen: 107.460 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	40.1	120.2





#87

1,2-Dichlorobenzene

Concen: 106.129 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Instrument :

MSVOA_X

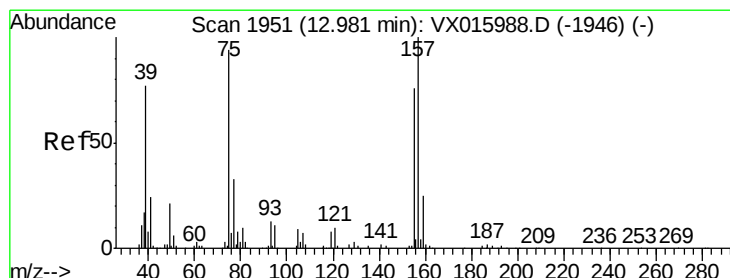
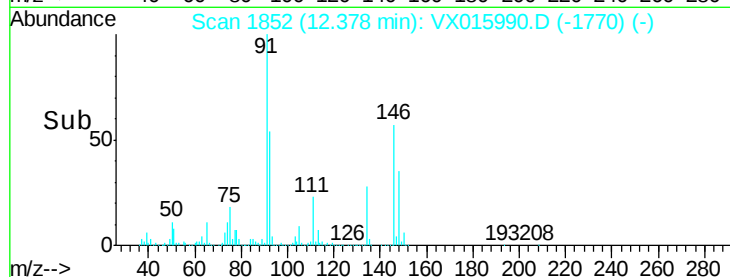
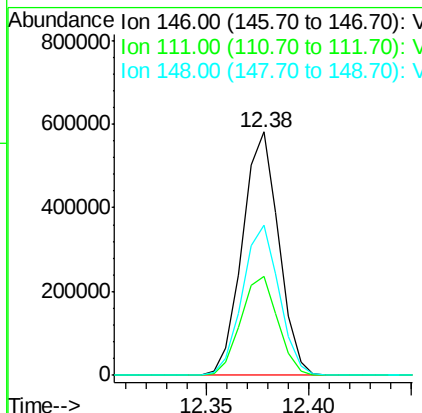
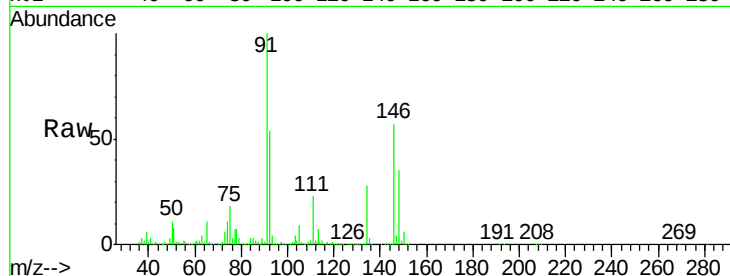
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	718548
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.7	62.1
148	62.1	32.0	96.2

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 106.384 ug/l

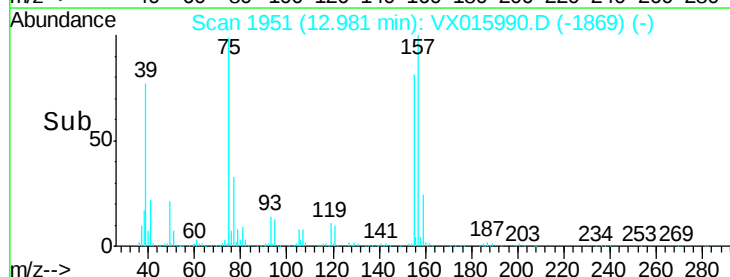
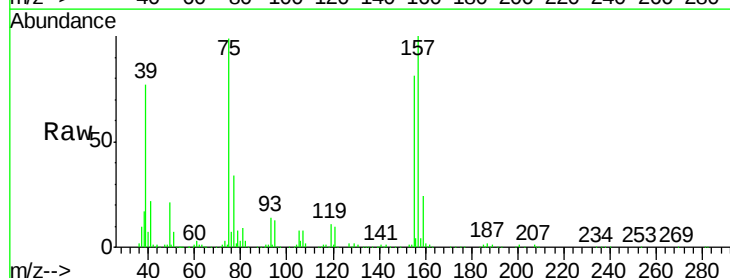
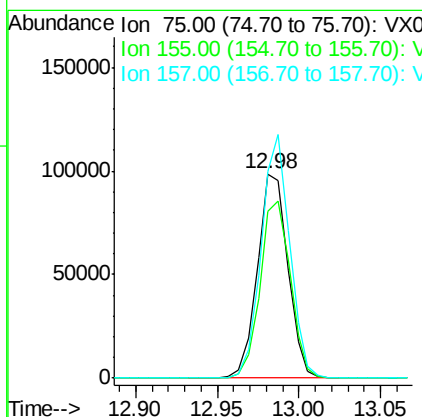
RT: 12.98 min Scan# 1951

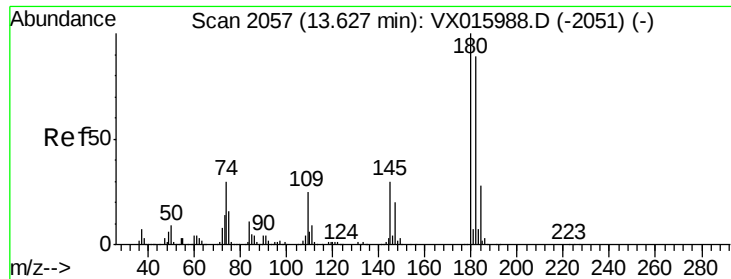
Delta R.T. -0.00 min

Lab File: VX015990.D

Acq: 30 Apr 2020 11:39

Tgt Ion:	75	Resp:	128262
Ion Ratio	Lower	Upper	
75	100		
155	86.0	66.9	100.3
157	110.9	88.2	132.2





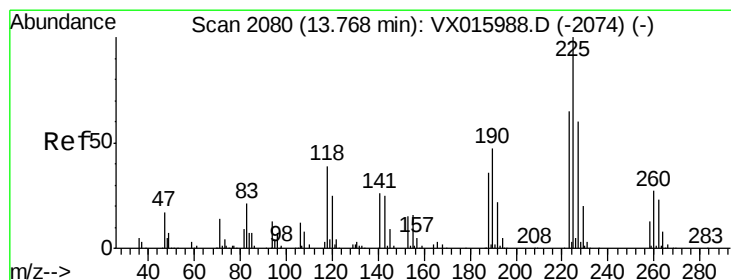
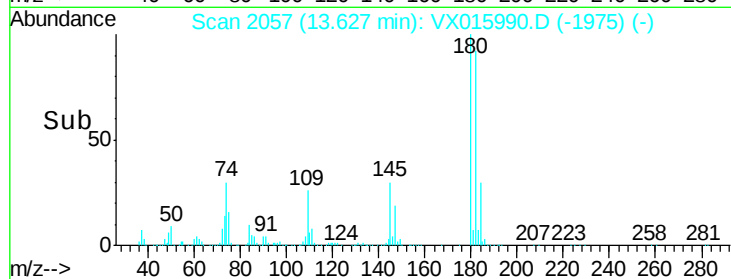
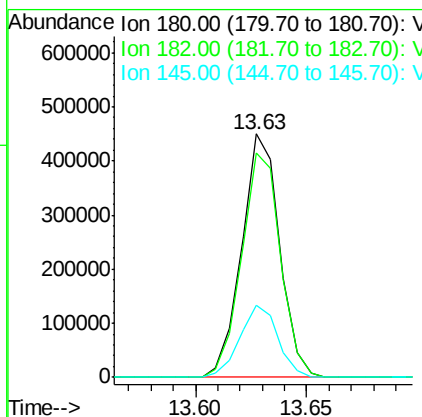
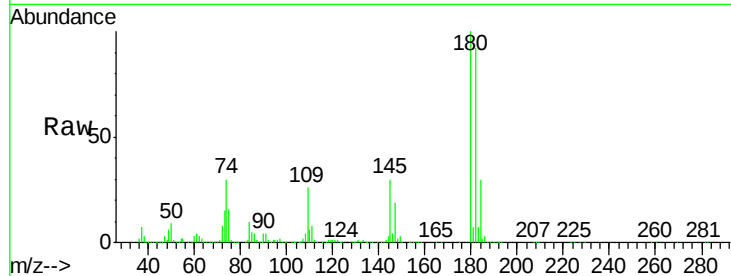
#89
 1,2,4-Trichlorobenzene
 Concen: 100.380 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	533658		
182	94.6	75.0	112.6	
145	29.9	23.9	35.9	

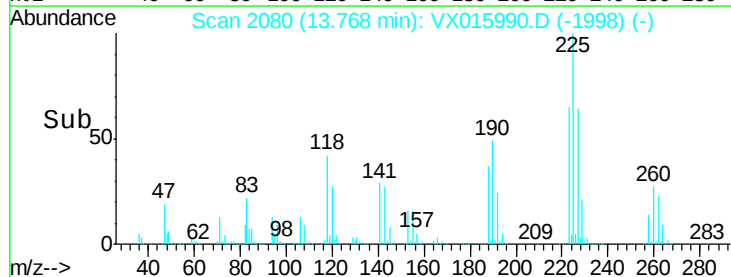
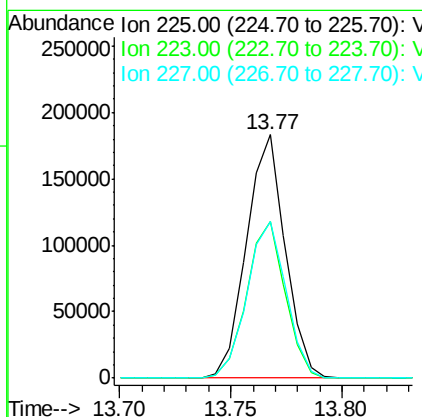
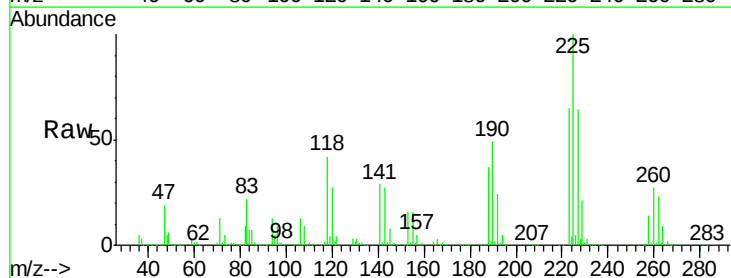
Manual Integrations
 APPROVED

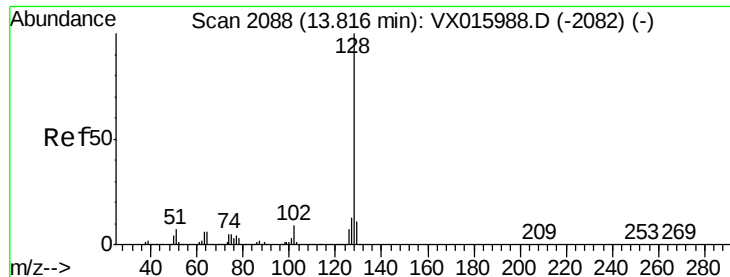
MMDadoda
 5/4/2020 3:10:14 PM



#90
 Hexachlorobutadiene
 Concen: 83.086 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX015990.D
 Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	222118		
223	64.0	0.0	123.6	
227	65.0	0.0	123.6	





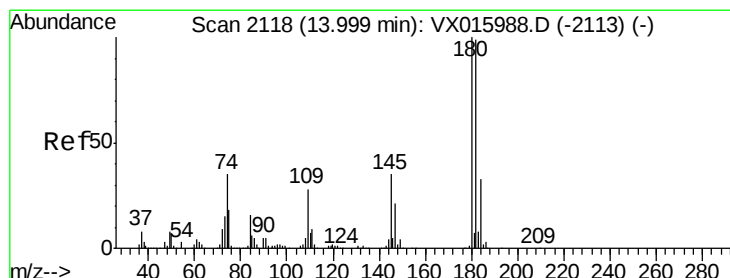
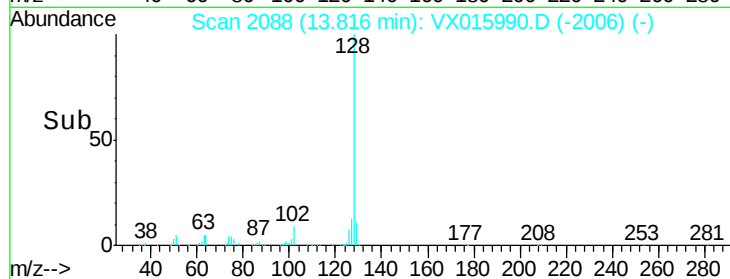
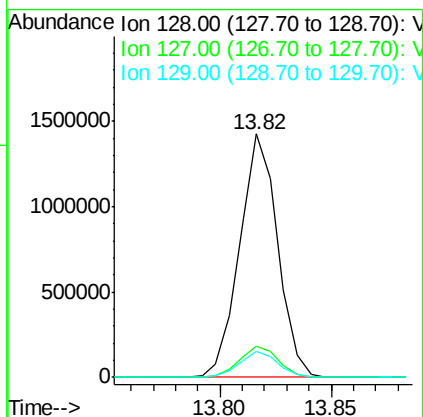
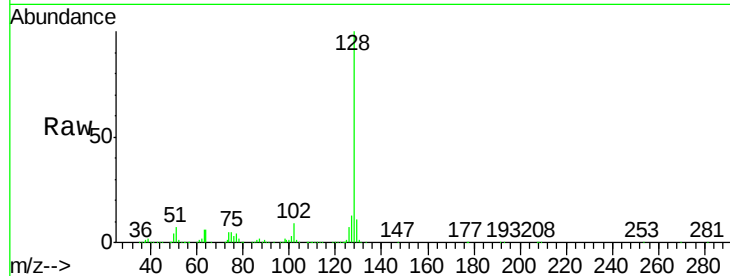
#91
Naphthalene
Concen: 107.840 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:14 PM



#92
1,2,3-Trichlorobenzene
Concen: 99.461 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX015990.D
Acq: 30 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	197.2
145	32.4	0.0	66.0

