

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015833.D
 Acq On : 22 Apr 2020 10:44
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 11:58:04 AM

Quant Time: Apr 22 12:08:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 11:43:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1004856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1511560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1410736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	753697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	219234	18.31	ug/l	0.00
Spiked Amount			Recovery	=	36.62%	
35) Dibromofluoromethane	5.48	113	170334	17.82	ug/l	0.00
Spiked Amount			Recovery	=	35.64%	
50) Toluene-d8	8.70	98	691727	19.02	ug/l	0.00
Spiked Amount			Recovery	=	38.04%	
62) 4-Bromofluorobenzene	11.12	95	271174	17.03	ug/l	0.00
Spiked Amount			Recovery	=	34.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	182728	22.493	ug/l	98
3) Chloromethane	1.31	50	164871	19.161	ug/l	100
4) Vinyl Chloride	1.39	62	189958	18.735	ug/l	99
5) Bromomethane	1.64	94	78002	19.090	ug/l	98
6) Chloroethane	1.72	64	109524	18.836	ug/l	98
7) Trichlorofluoromethane	1.92	101	244549	19.125	ug/l	94
8) Diethyl Ether	2.17	74	93102	18.025	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	158441	18.292	ug/l	99
10) Methyl Iodide	2.50	142	191146	19.237	ug/l	99
11) Tert butyl alcohol	3.01	59	208892	92.321	ug/l	99
12) 1,1-Dichloroethene	2.36	96	165477	18.826	ug/l	92
13) Acrolein	2.28	56	120324	86.728	ug/l	99
14) Allyl chloride	2.71	41	352839	18.745	ug/l	99
15) Acrylonitrile	3.12	53	515839	96.406	ug/l	100
16) Acetone	2.42	43	430082	83.326	ug/l	97
17) Carbon Disulfide	2.56	76	493663	13.860	ug/l	98
18) Methyl Acetate	2.75	43	297760	18.181	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	585764	18.952	ug/l	100
20) Methylene Chloride	2.84	84	187219	18.281	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	176916	17.958	ug/l	93
22) Diisopropyl ether	3.83	45	641616	18.937	ug/l #	86
23) Vinyl Acetate	3.79	43	2662912	94.009	ug/l	99
24) 1,1-Dichloroethane	3.67	63	330510	18.925	ug/l	99
25) 2-Butanone	4.64	43	721839	92.504	ug/l	98
26) 2,2-Dichloropropane	4.56	77	296981	18.925	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	208331	18.897	ug/l	99
28) Bromochloromethane	4.99	49	182167	19.204	ug/l #	98
29) Tetrahydrofuran	5.09	42	485057	93.593	ug/l	99
30) Chloroform	5.18	83	326548	18.356	ug/l	97
31) Cyclohexane	5.56	56	313088	18.438	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	292689	18.642	ug/l	100
36) 1,1-Dichloropropene	5.78	75	253593	19.114	ug/l	99
37) Ethyl Acetate	4.79	43	288537	18.085	ug/l	99
38) Carbon Tetrachloride	5.76	117	247032	19.167	ug/l	92

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	315414	18.454	ug/l	99
40) Benzene	6.12	78	757538	18.645	ug/l	99
41) Methacrylonitrile	5.01	41	168737	22.398	ug/l	99
42) 1,2-Dichloroethane	6.17	62	272364	18.649	ug/l	100
43) Isopropyl Acetate	6.42	43	498245	18.607	ug/l	99
44) Trichloroethene	7.19	130	268926	18.938	ug/l	95
45) 1,2-Dichloropropane	7.50	63	194900	18.466	ug/l	97
46) Dibromomethane	7.64	93	144627	18.205	ug/l	98
47) Bromodichloromethane	7.88	83	251887	18.739	ug/l	99
48) Methyl methacrylate	7.75	41	246505	18.905	ug/l	97
49) 1,4-Dioxane	7.72	88	83193	328.590	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1475482	95.048	ug/l	99
52) Toluene	8.77	92	487184	18.686	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	319812	19.097	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	332526	18.629	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	189578	18.865	ug/l	99
56) Ethyl methacrylate	9.16	69	318135	18.886	ug/l	99
57) 1,3-Dichloropropane	9.36	76	328527	18.776	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	798243	93.883	ug/l	99
59) 2-Hexanone	9.47	43	1109316	94.742	ug/l	99
60) Dibromochloromethane	9.57	129	180860	18.399	ug/l	99
61) 1,2-Dibromoethane	9.65	107	204246	18.204	ug/l	97
64) Tetrachloroethene	9.32	164	357162	18.068	ug/l	93
65) Chlorobenzene	10.12	112	519608	18.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	192811	18.451	ug/l	99
67) Ethyl Benzene	10.24	91	940999	18.675	ug/l	99
68) m/p-Xylenes	10.34	106	707556	37.570	ug/l	99
69) o-Xylene	10.68	106	337399	18.251	ug/l	99
70) Styrene	10.70	104	597191	18.792	ug/l	99
71) Bromoform	10.84	173	113442	18.861	ug/l #	95
73) Isopropylbenzene	11.00	105	922584	19.149	ug/l	100
74) N-amyl acetate	10.88	43	455364	18.546	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	189619	19.099	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	273187m	15.708	ug/l	
77) Bromobenzene	11.24	156	242826	18.596	ug/l	98
78) n-propylbenzene	11.34	91	1044934	18.912	ug/l	99
79) 2-Chlorotoluene	11.40	91	619825	18.842	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	775243	19.041	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	107704	19.381	ug/l	95
82) 4-Chlorotoluene	11.49	91	736485	18.776	ug/l	99
83) tert-Butylbenzene	11.76	119	670470	18.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	789602	18.651	ug/l	99
85) sec-Butylbenzene	11.93	105	893683	18.684	ug/l	100
86) p-Isopropyltoluene	12.05	119	858155	19.273	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	436653	18.166	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	448754	18.734	ug/l	98
89) n-Butylbenzene	12.37	91	739783	18.643	ug/l	99
90) Hexachloroethane	12.58	117	78454	19.988	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	430041	18.975	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	51733	18.143	ug/l	98

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ClientSampleId :
VSTDICC020

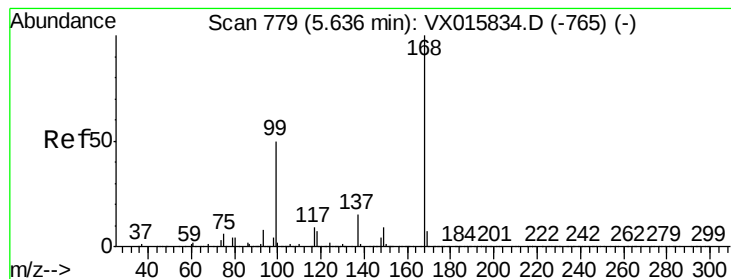
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	332849	18.599	ug/l	99
94) Hexachlorobutadiene	13.76	225	146352	18.382	ug/l	97
95) Naphthalene	13.82	128	971292	18.915	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	325178	18.790	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1004856

Ion Ratio Lower Upper

168 100

99 51.6

40.3

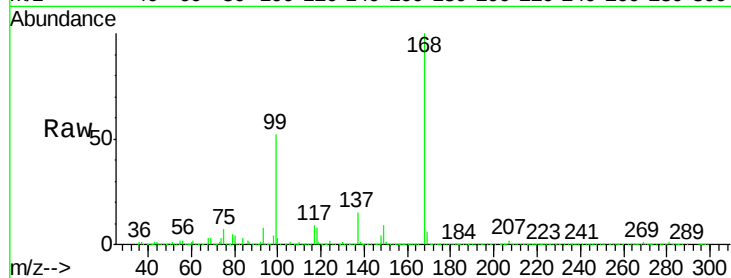
60.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

400000

300000

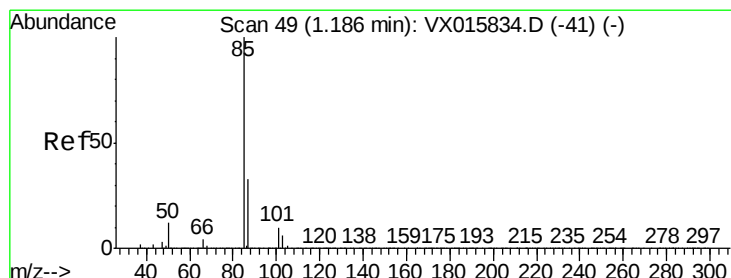
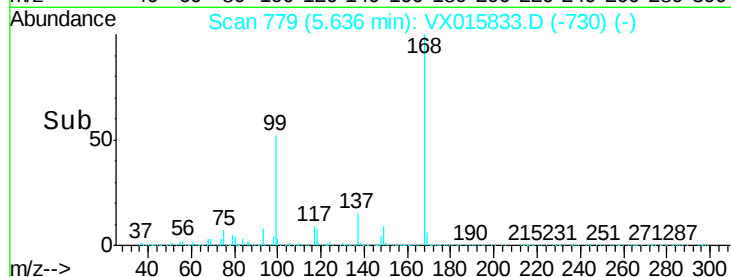
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.493 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion: 85 Resp: 182728

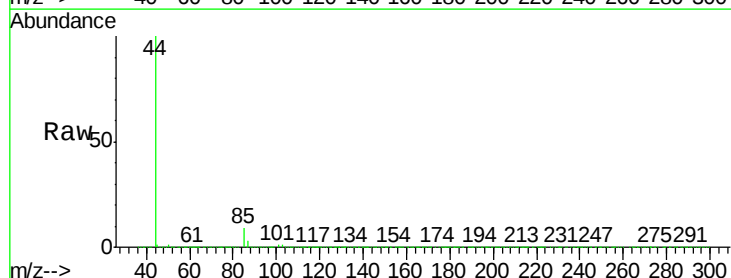
Ion Ratio Lower Upper

85 100

87 31.6

16.4

49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

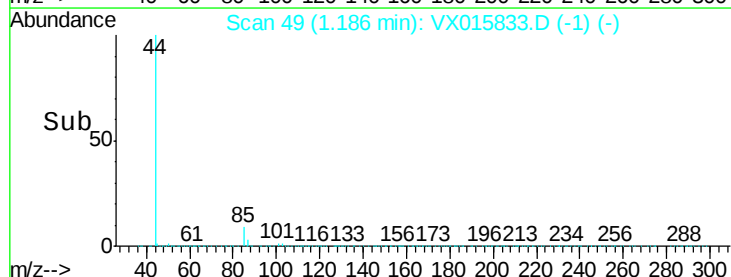
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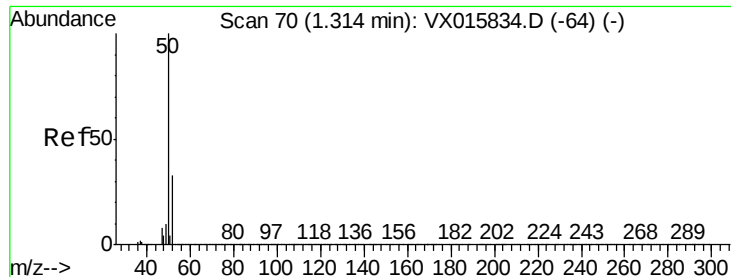
50000

0

1.15 1.20 1.25 1.30

Time-->





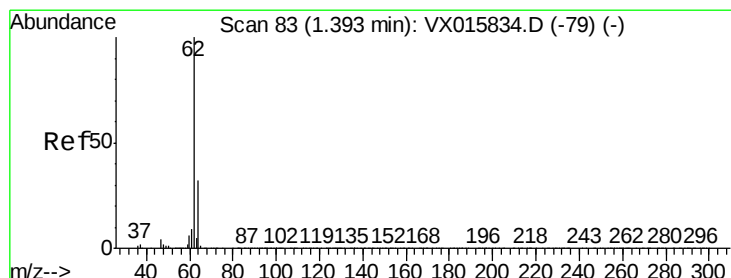
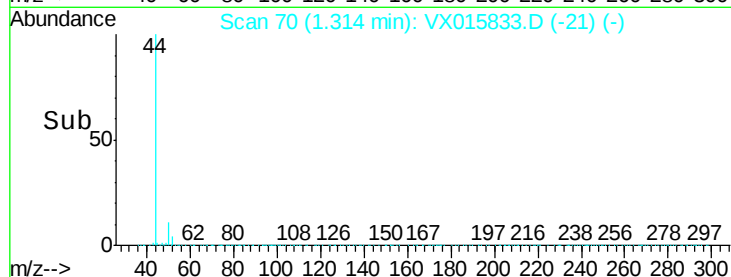
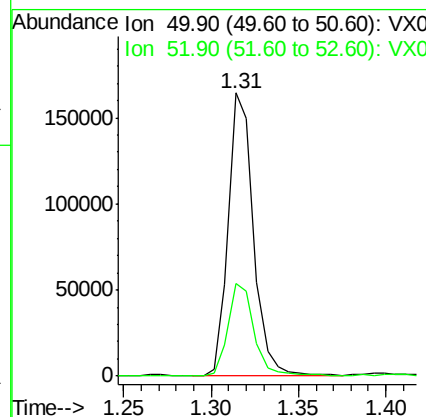
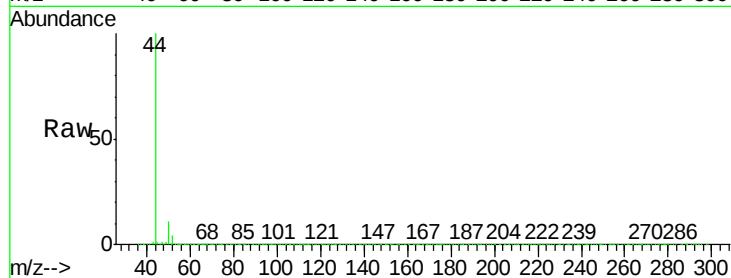
#3
Chloromethane
Concen: 19.161 ug/l
RT: 1.31 min Scan# 70
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4

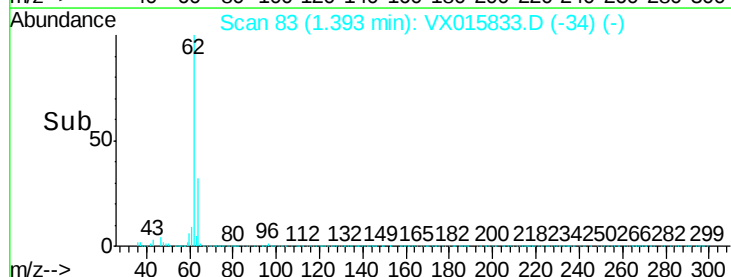
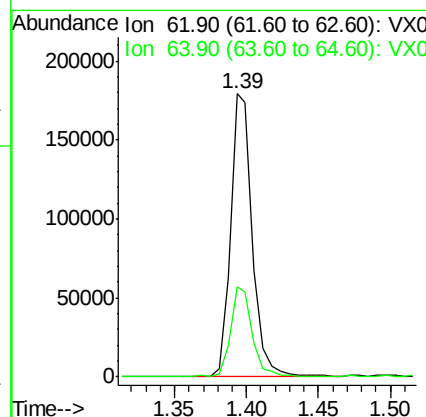
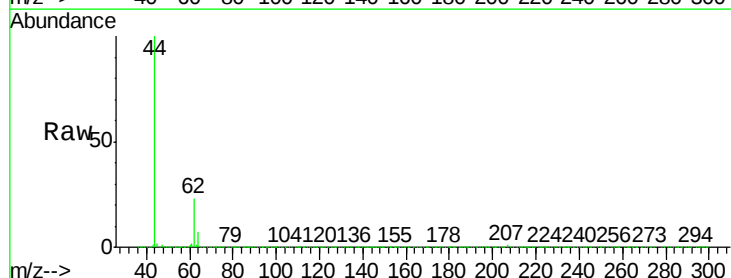
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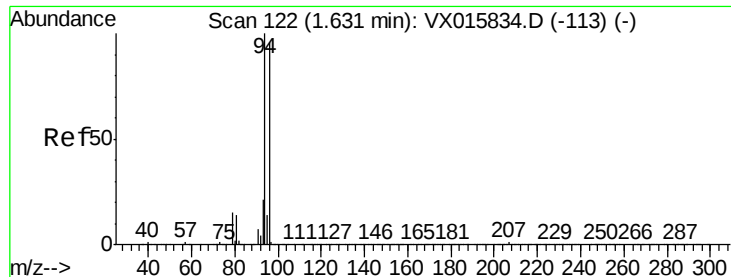
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#4
Vinyl Chloride
Concen: 18.735 ug/l
RT: 1.39 min Scan# 83
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.4	38.2





#5

Bromomethane

Concen: 19.090 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 78002

Ion Ratio Lower Upper

94 100

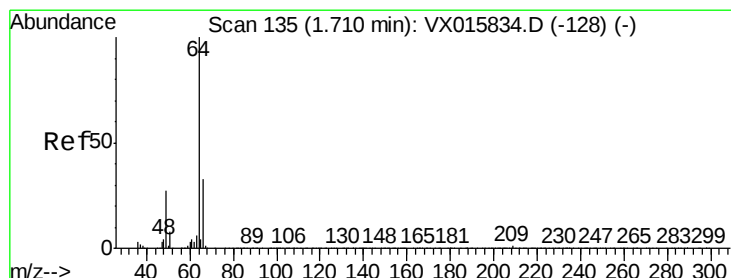
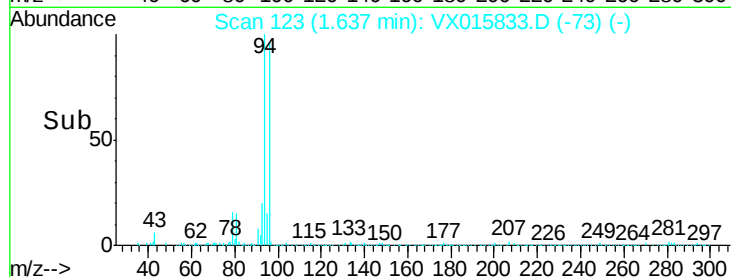
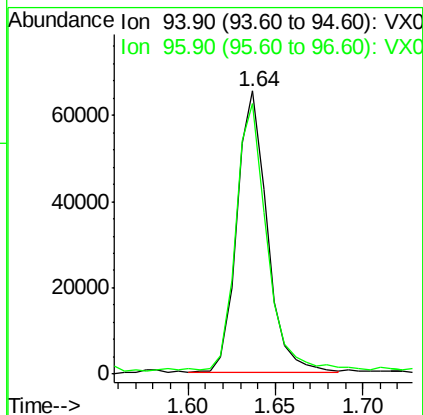
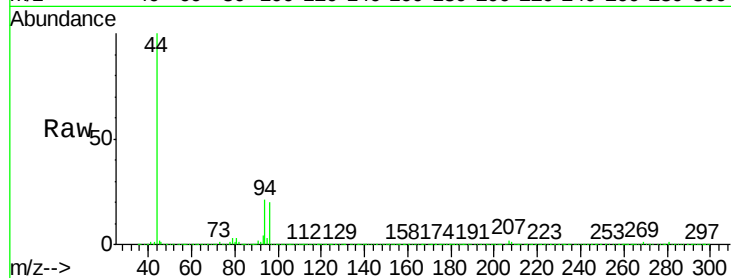
96 94.0 76.7 115.1

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#6

Chloroethane

Concen: 18.836 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015833.D

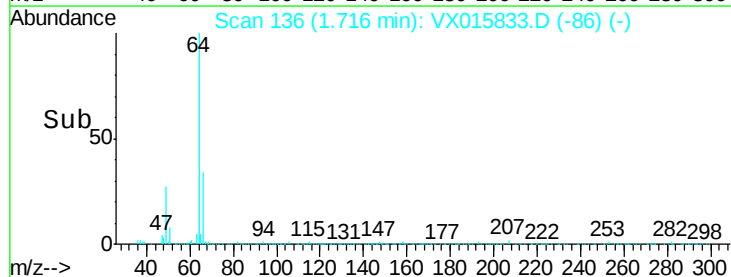
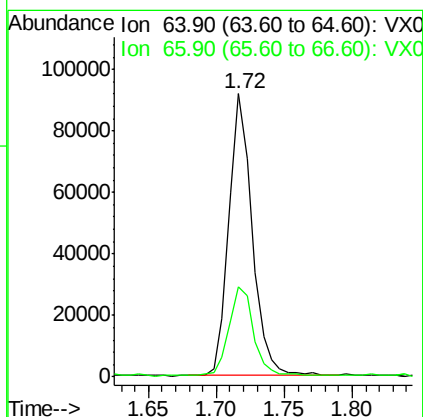
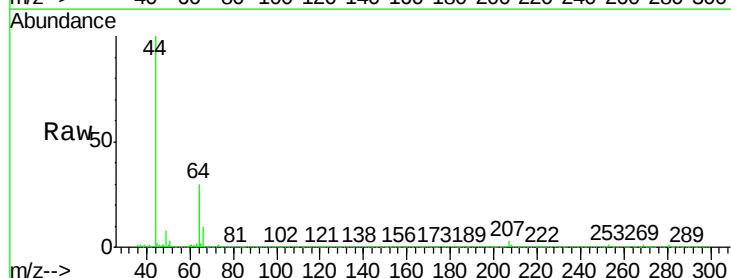
Acq: 22 Apr 2020 10:44

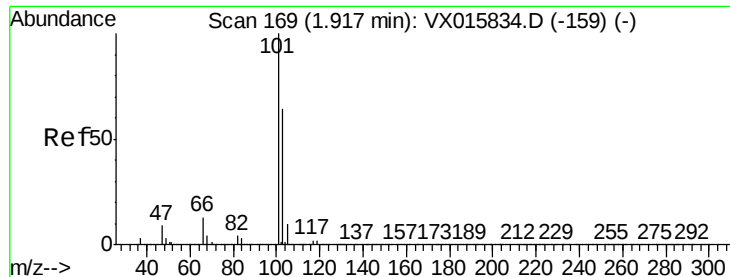
Tgt Ion: 64 Resp: 109524

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

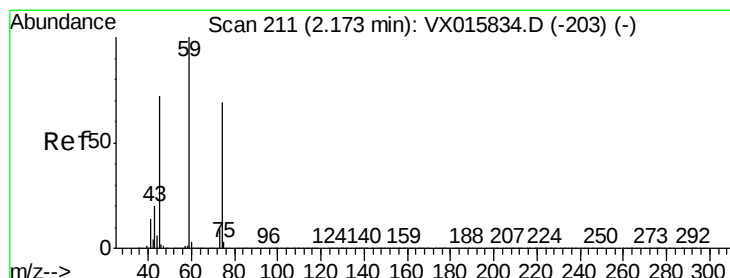
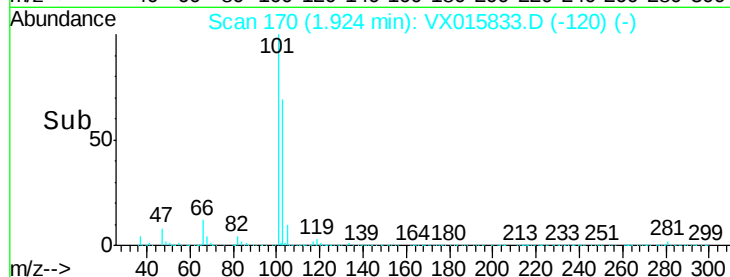
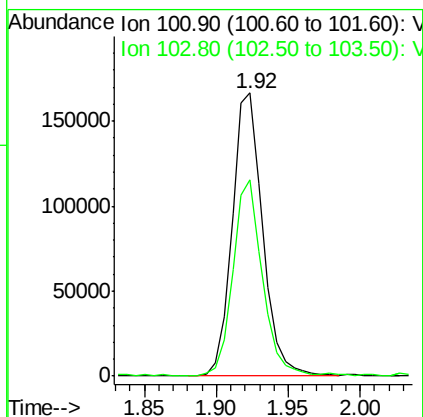
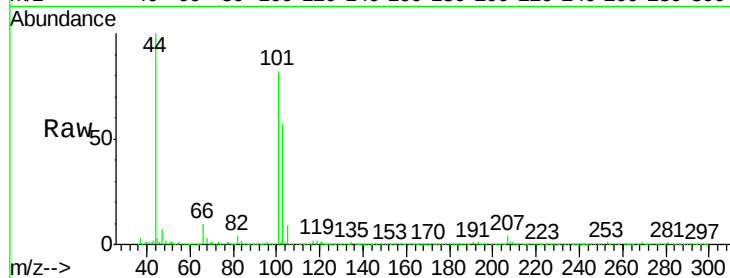
Trichlorofluoromethane
Concen: 19.125 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	244549		
103	69.1	51.4	77.0	

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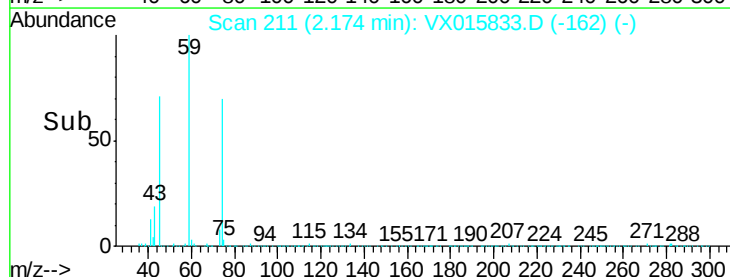
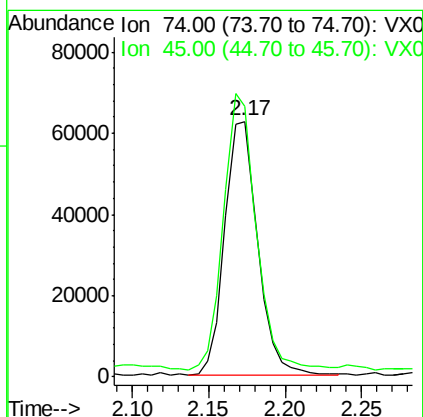
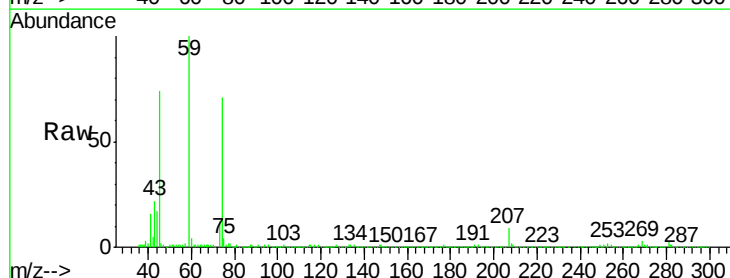
MMDadoda
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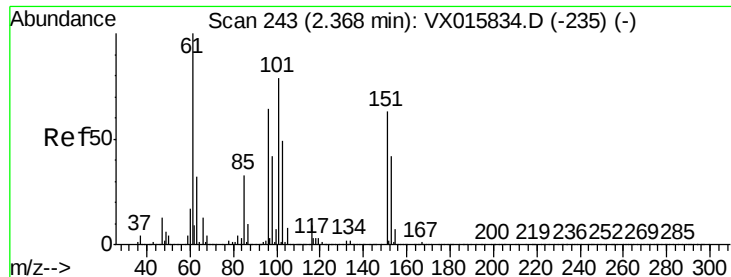


#8

Diethyl Ether
Concen: 18.025 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93102		
45	108.8	53.8	161.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.292 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

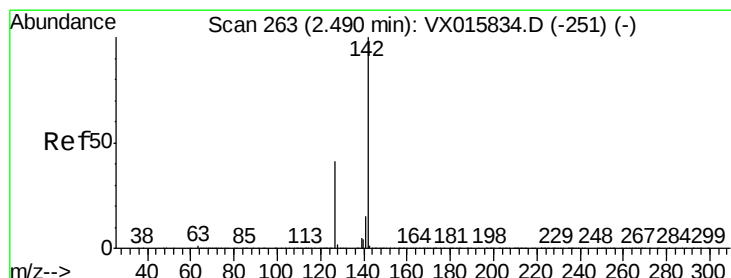
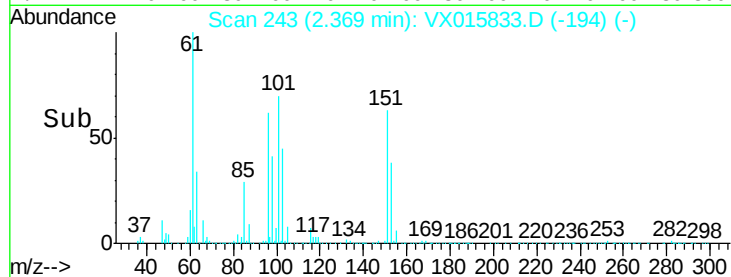
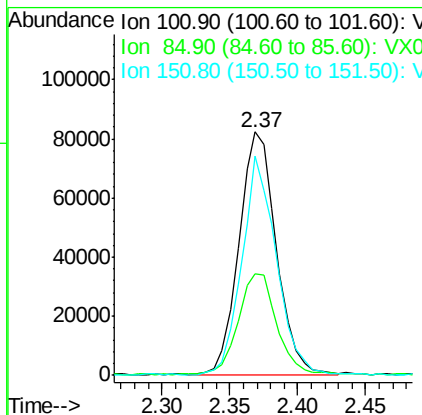
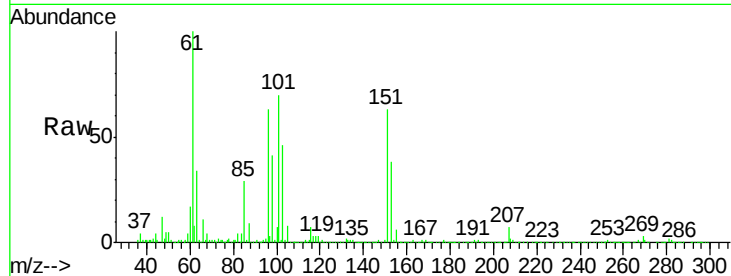
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	158441
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.6
151	83.1	67.8	101.6

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#10

Methyl Iodide

Concen: 19.237 ug/l

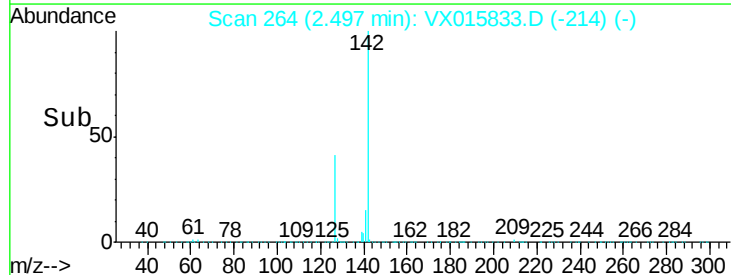
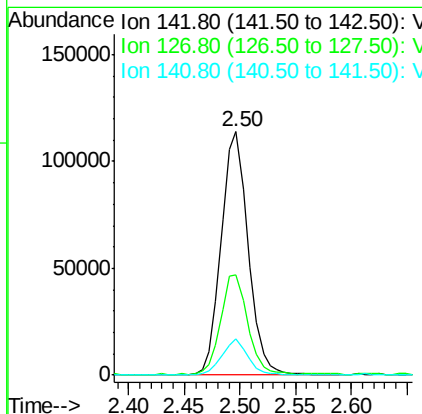
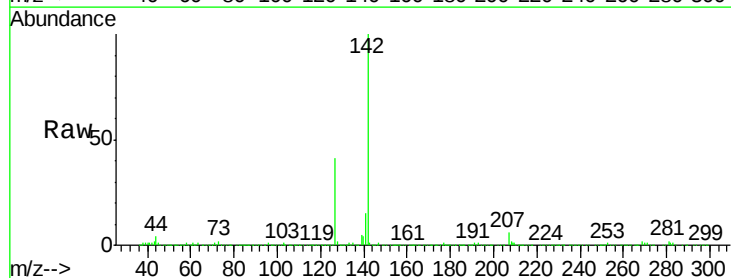
RT: 2.50 min Scan# 264

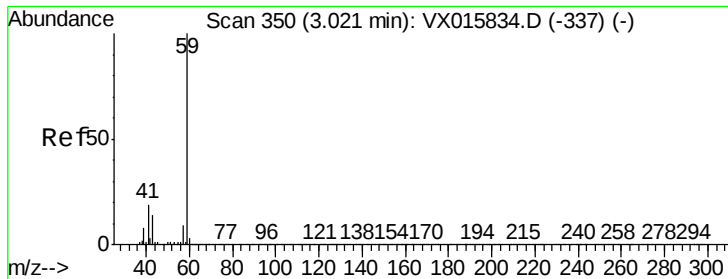
Delta R.T. 0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion:	142	Resp:	191146
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.3	49.9
141	14.6	11.8	17.6





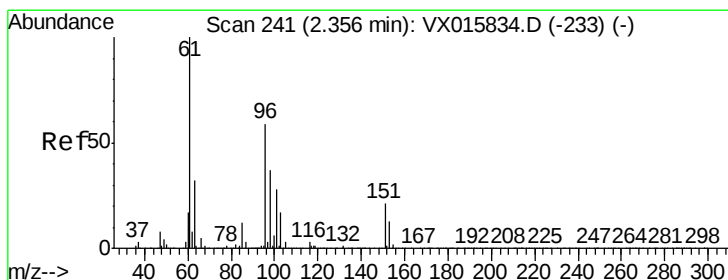
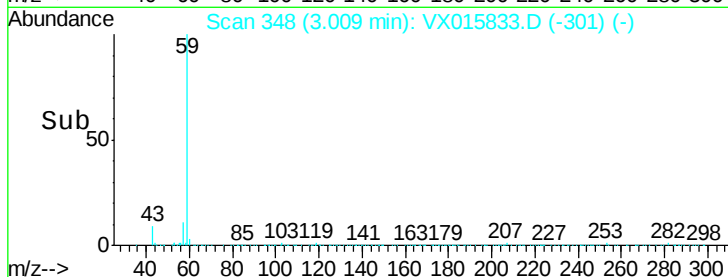
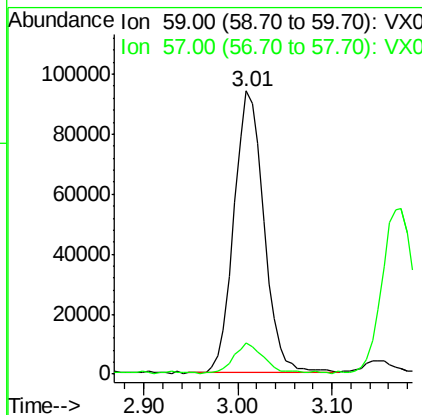
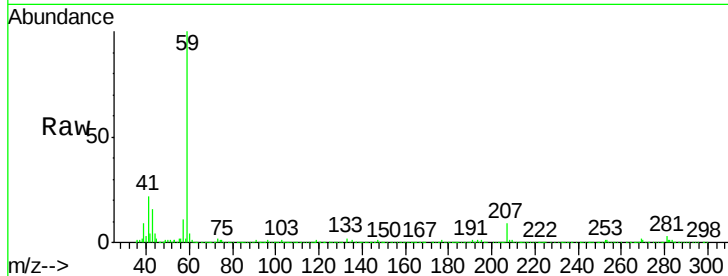
#11
Tert butyl alcohol
Concen: 92.321 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

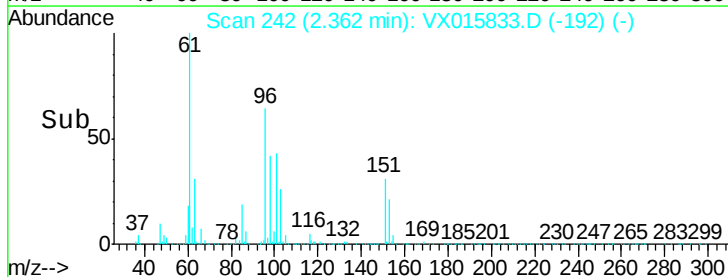
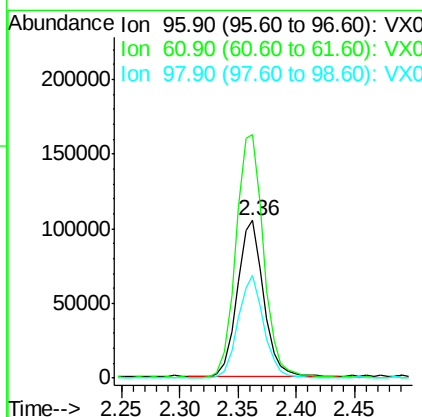
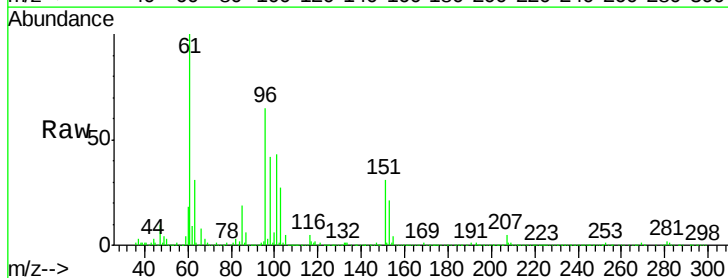
Manual Integrations
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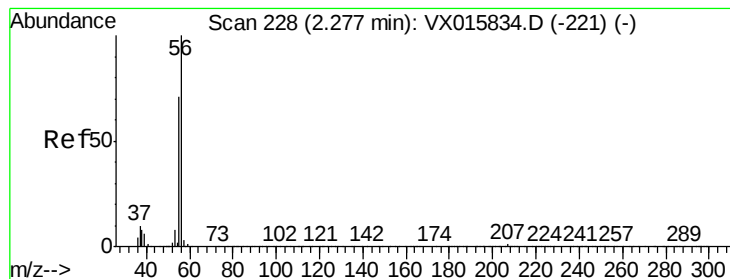
MMDadoda
4/23/2020 11:58:04 AM



#12
1,1-Dichloroethene
Concen: 18.826 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	135.0	202.6
98	65.4	50.6	76.0





#13

Acrolein

Concen: 86.728 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 120324

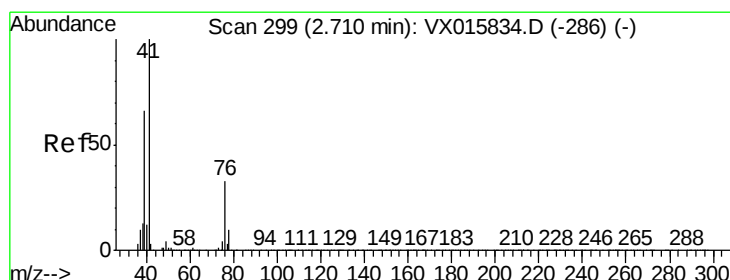
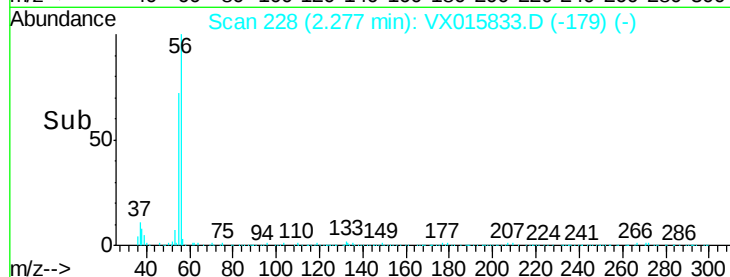
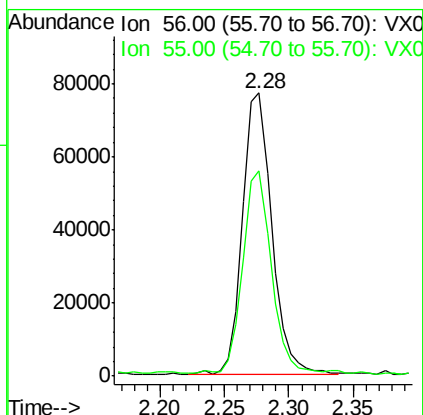
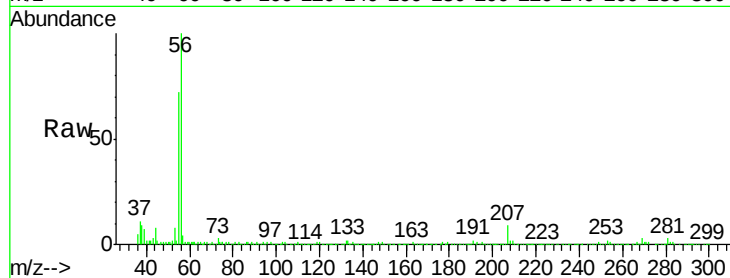
Ion Ratio Lower Upper

56 100

55 71.2 56.1 84.1

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#14

Allyl chloride

Concen: 18.745 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

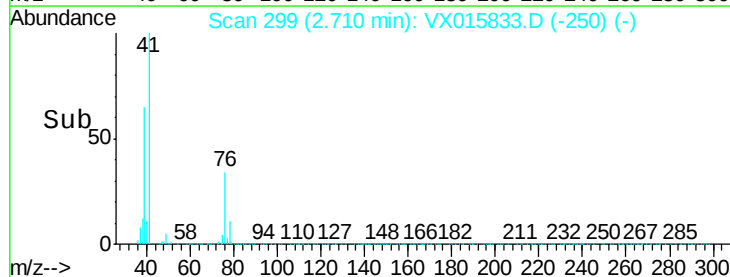
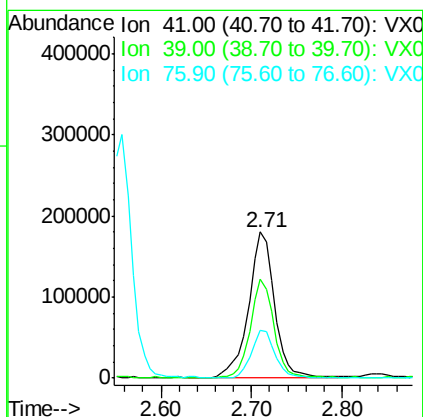
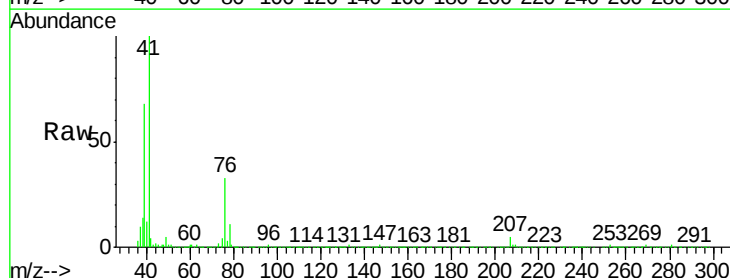
Tgt Ion: 41 Resp: 352839

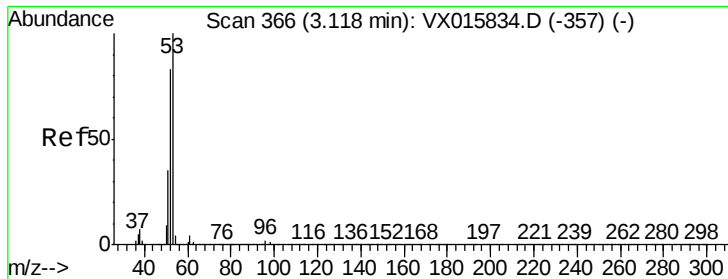
Ion Ratio Lower Upper

41 100

39 61.5 48.4 72.6

76 29.5 23.8 35.8





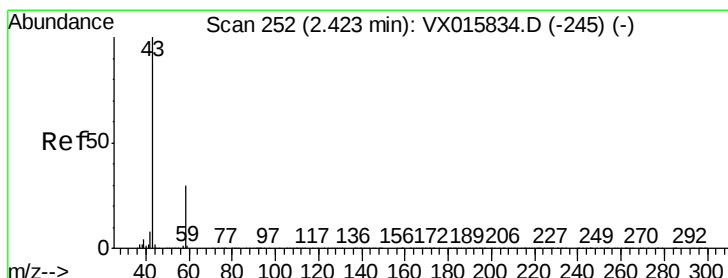
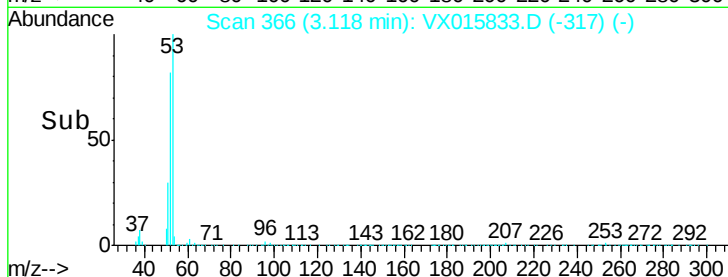
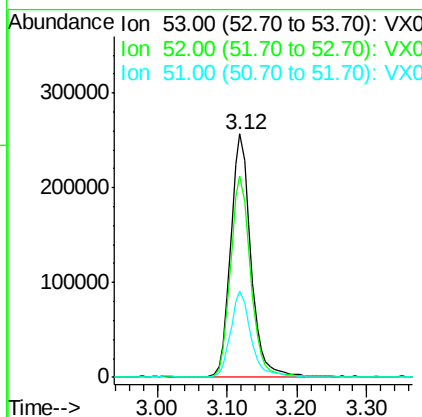
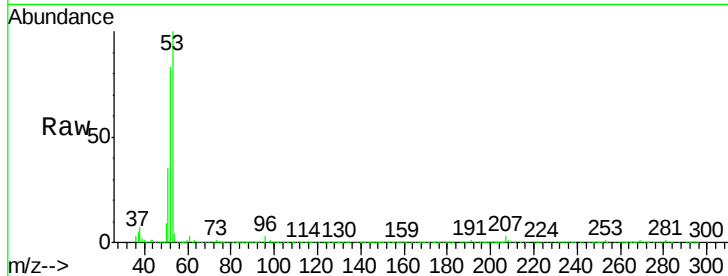
#15
 Acrylonitrile
 Concen: 96.406 ug/l
 RT: 3.12 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	515839
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.2	99.4
51	35.6	28.6	43.0

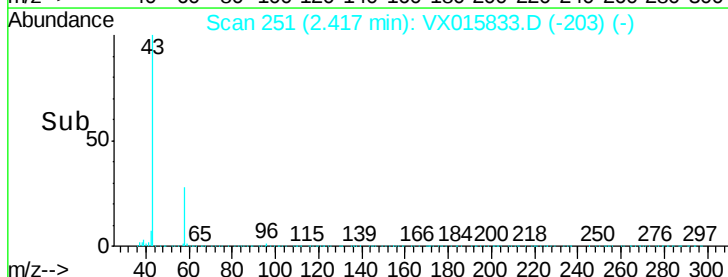
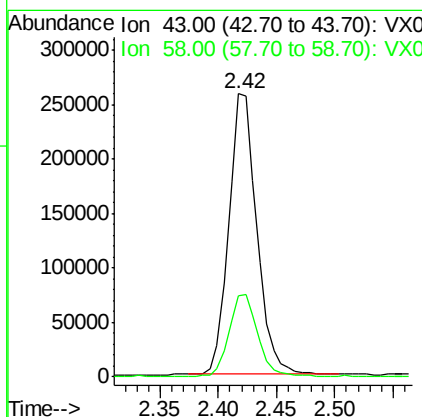
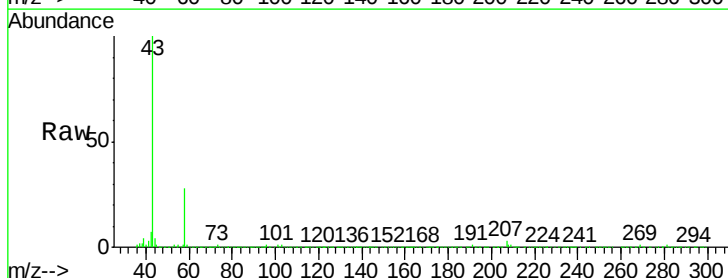
Manual Integrations
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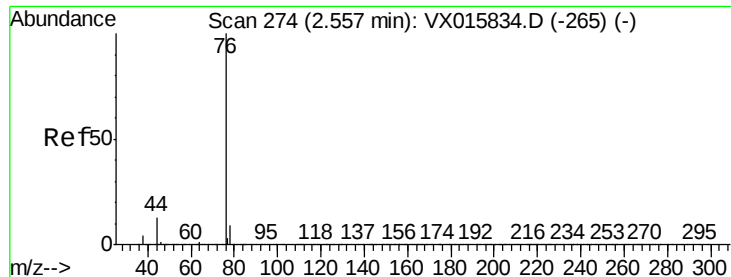
MMDadoda
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#16
 Acetone
 Concen: 83.326 ug/l
 RT: 2.42 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion:	43	Resp:	430082
Ion Ratio	Lower	Upper	
43	100		
58	28.5	24.0	36.0





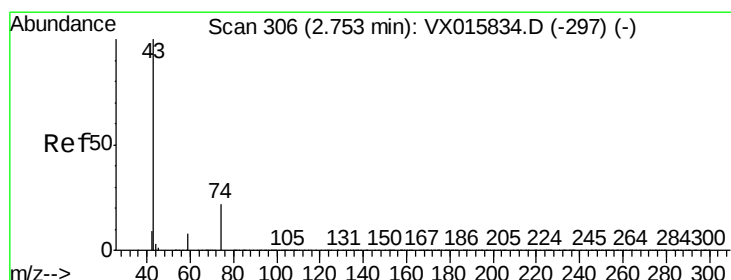
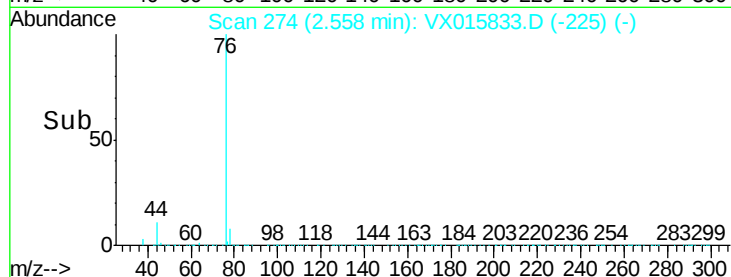
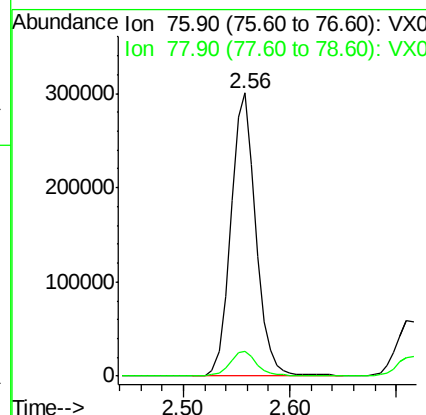
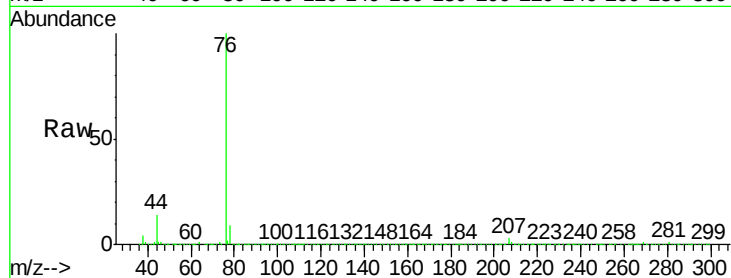
#17
Carbon Disulfide
Concen: 13.860 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

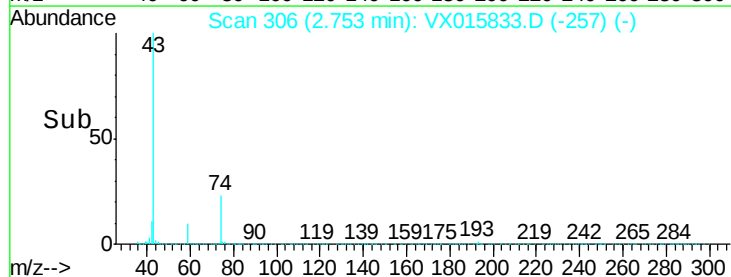
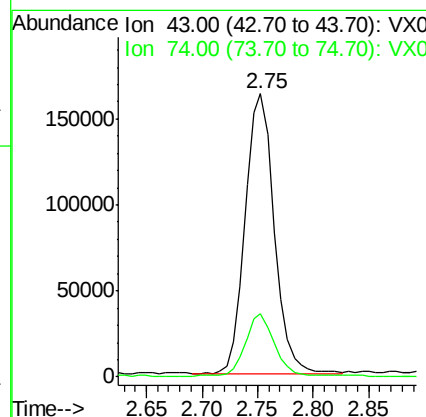
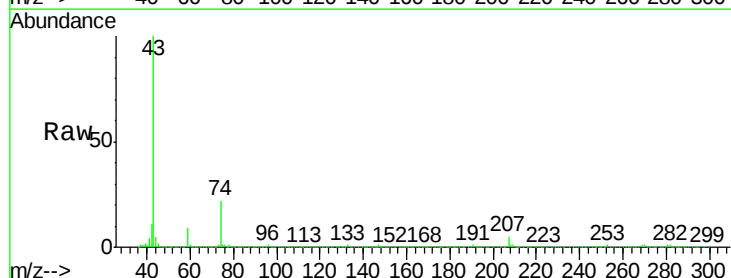
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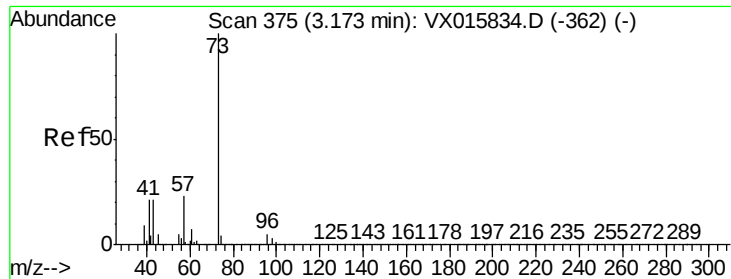
MMDadoda
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#18
Methyl Acetate
Concen: 18.181 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.9	26.9





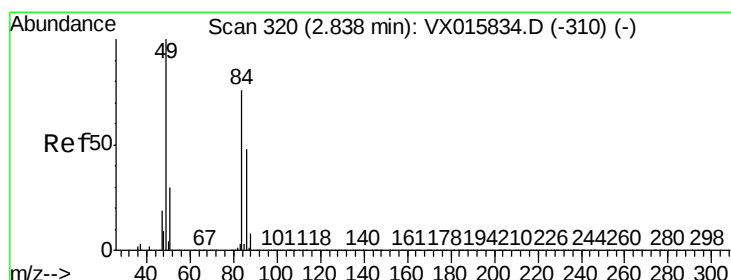
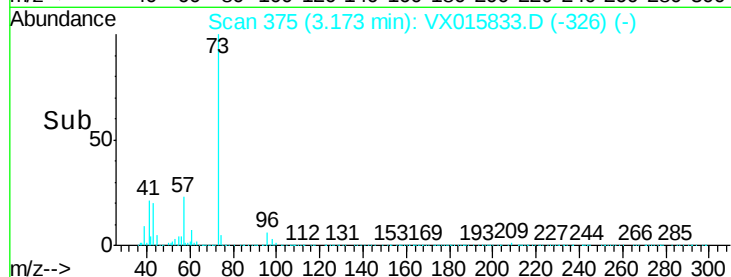
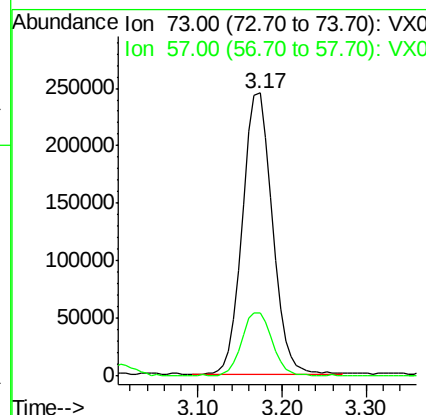
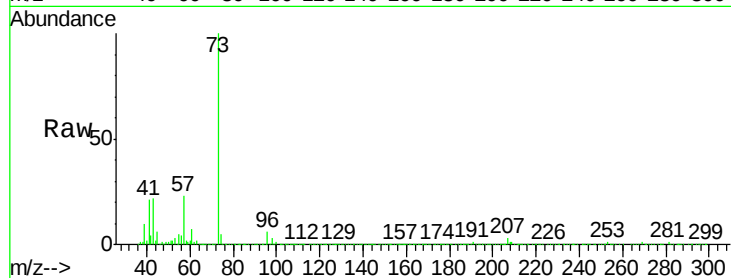
#19
Methvl tert-butvl Ether
Concen: 18.952 ug/l
RT: 3.17 min Scan# 375
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.1	27.1

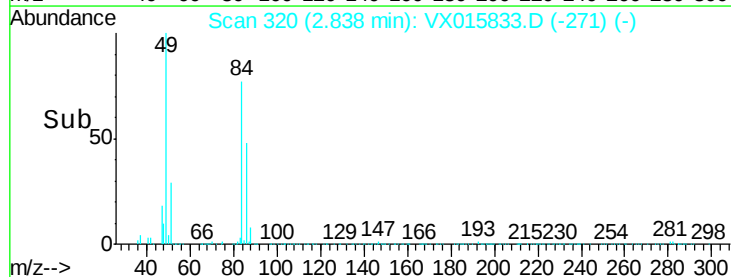
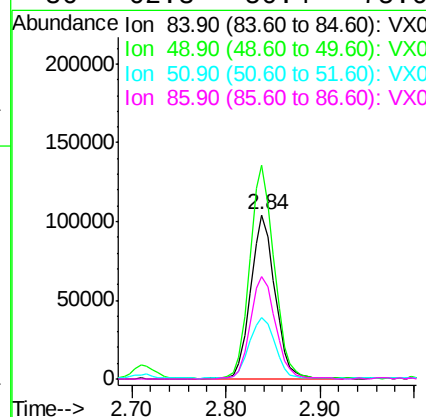
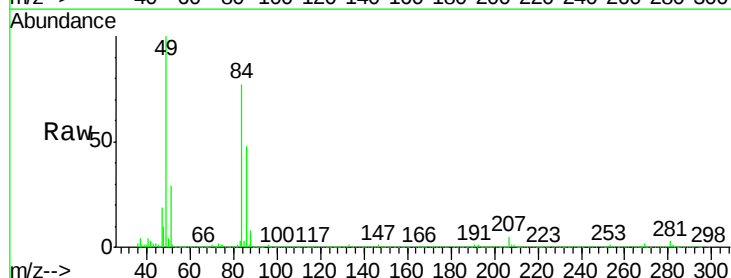
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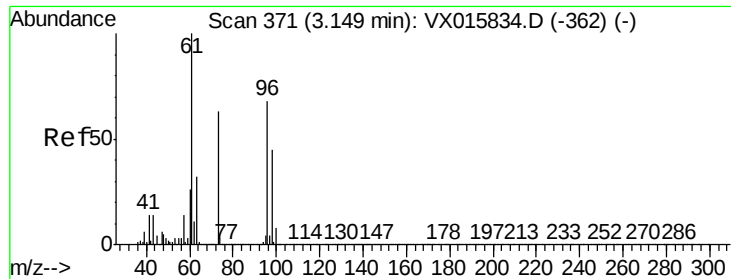
MMDadoda
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#20
Methylene Chloride
Concen: 18.281 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.9	104.9	157.3
51	37.3	32.0	48.0
86	62.3	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 17.958 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

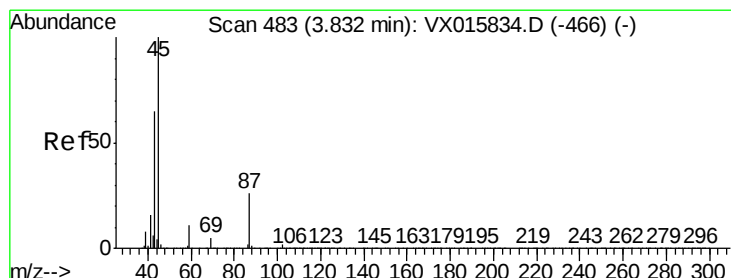
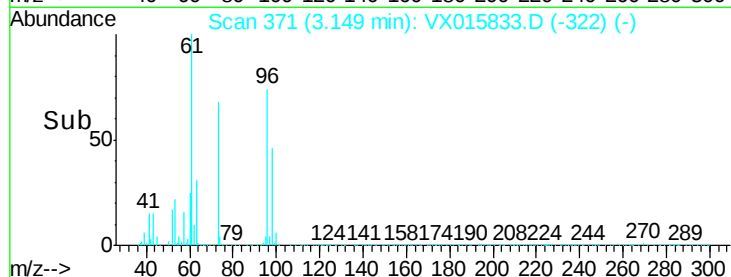
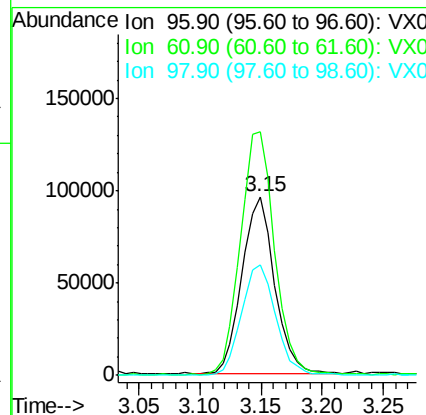
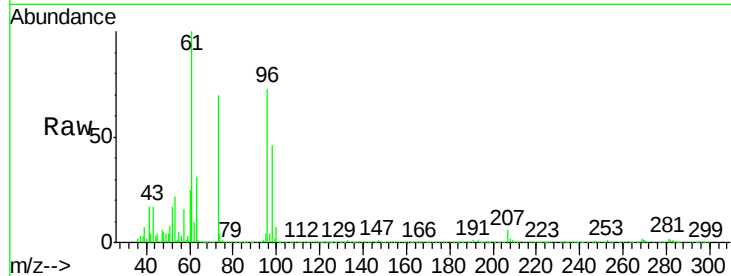
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	176916
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.5	176.3
98	62.6	52.7	79.1

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#22

Diisopropyl ether

Concen: 18.937 ug/l

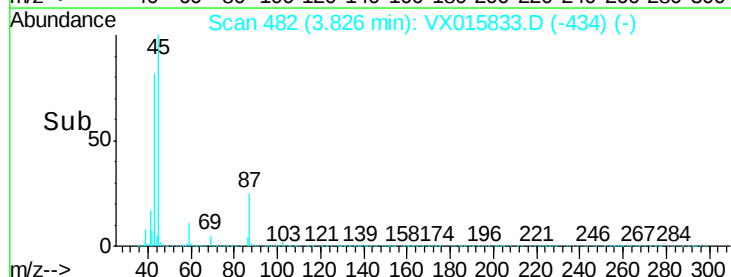
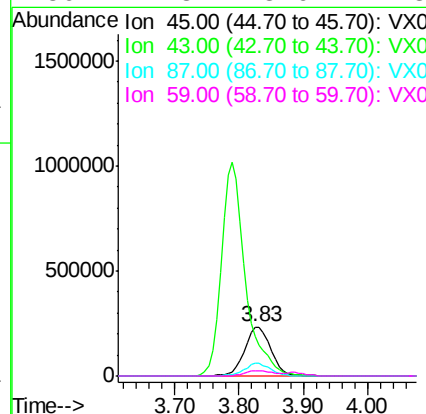
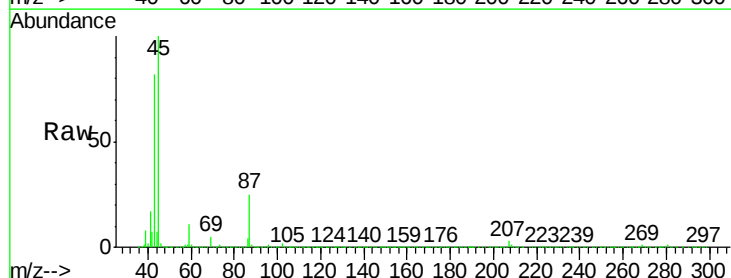
RT: 3.83 min Scan# 482

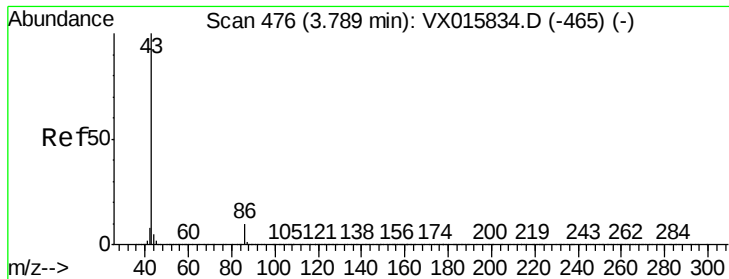
Delta R.T. -0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion:	45	Resp:	641616
Ion	Ratio	Lower	Upper
45	100		
43	81.9	52.4	78.6#
87	25.2	20.7	31.1
59	11.3	8.6	12.8





#23

Vinyl Acetate

Concen: 94.009 ug/l

RT: 3.79 min Scan# 476

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tot Ion: 43 Resp: 2662912

Ion Ratio Lower Upper

43 100

86 10.2 8.0 12.0

Instrument :

MSVOA_X

ClientSampled :

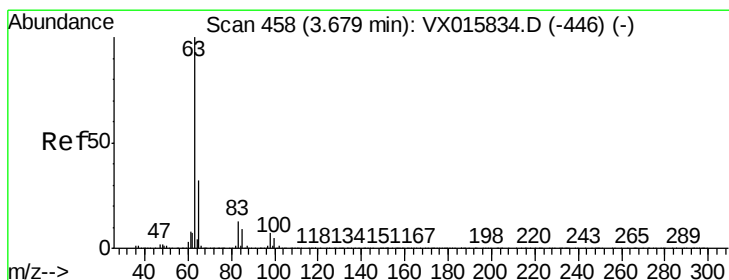
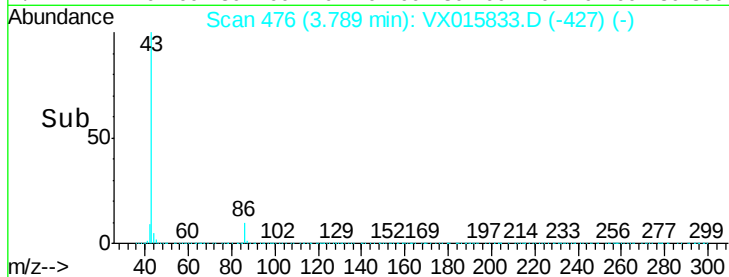
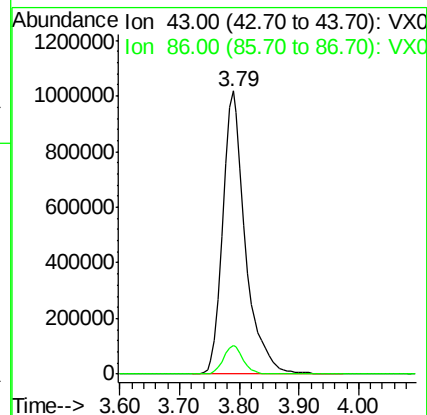
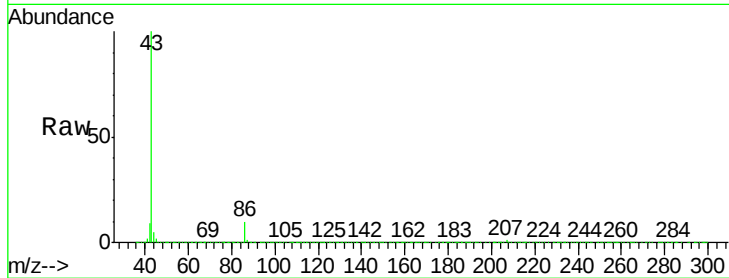
VSTDIC020

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.925 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

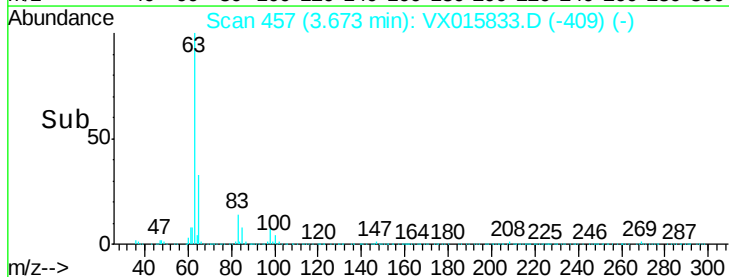
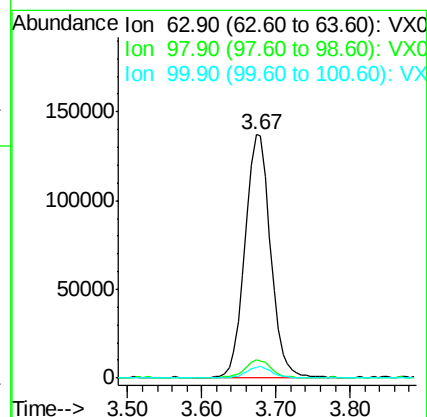
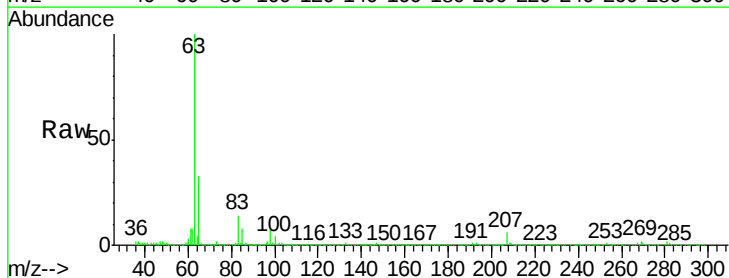
Tgt Ion: 63 Resp: 330510

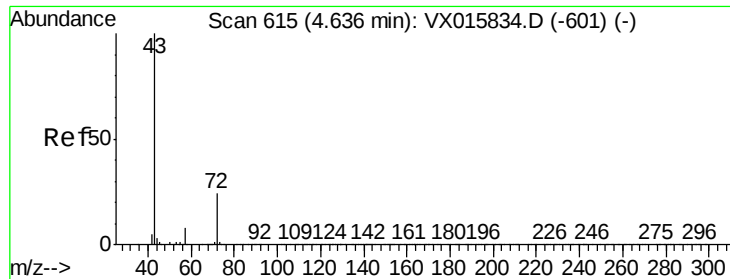
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.0 2.3 6.8





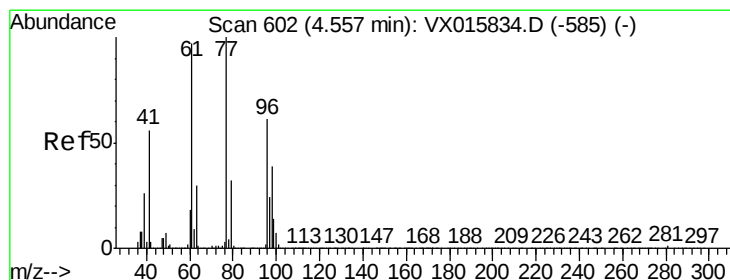
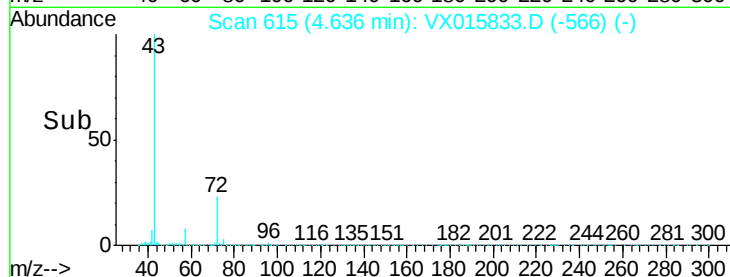
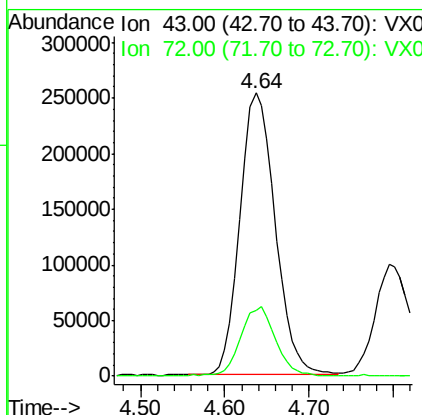
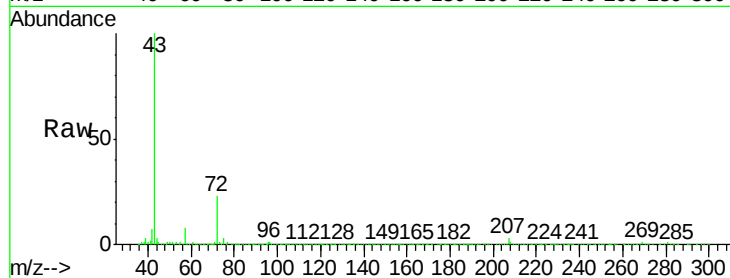
#25
2-Butanone
Concen: 92.504 ug/l
RT: 4.64 min Scan# 615
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.2	19.4	29.2

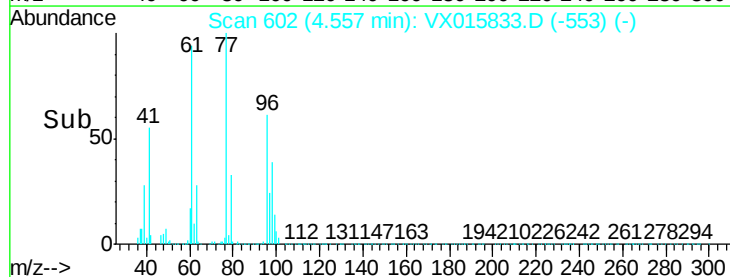
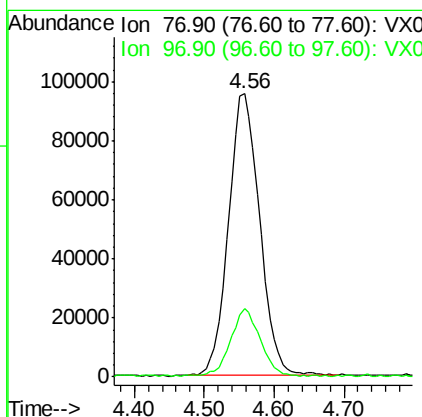
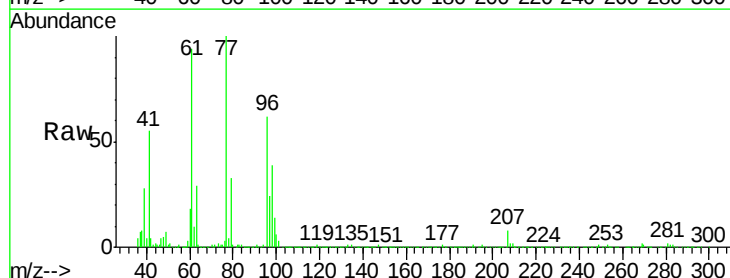
Manual Integrations
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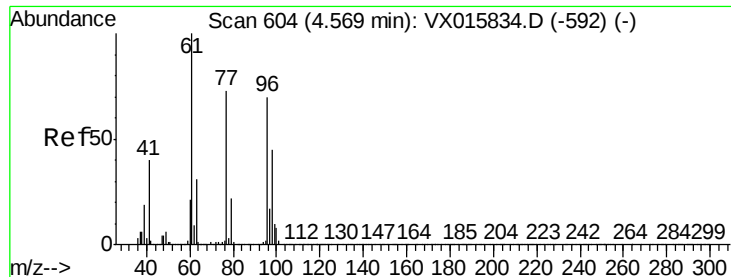
MMDadoda
4/23/2020 11:58:04 AM



#26
2,2-Dichloropropane
Concen: 18.925 ug/l
RT: 4.56 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.1





#27

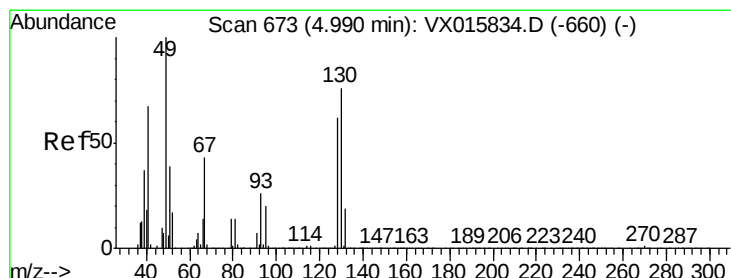
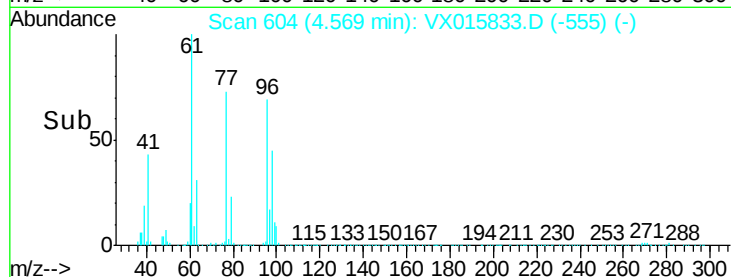
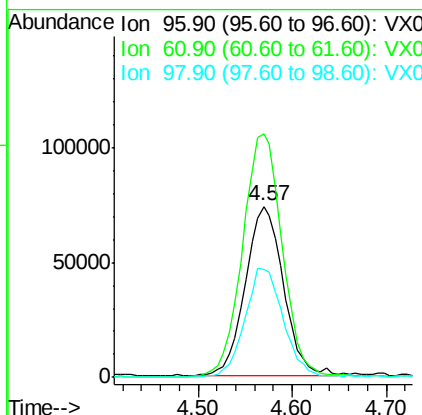
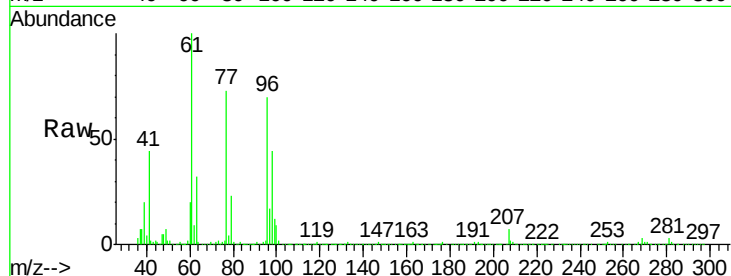
cis-1,2-Dichloroethene
Concen: 18.897 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	208331		
61	148.8	0.0	299.4	
98	64.4	0.0	129.6	

Manual Integrations
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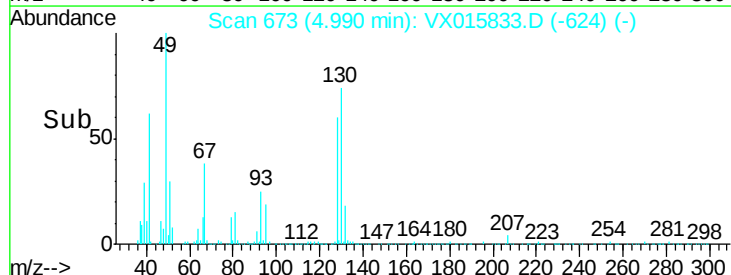
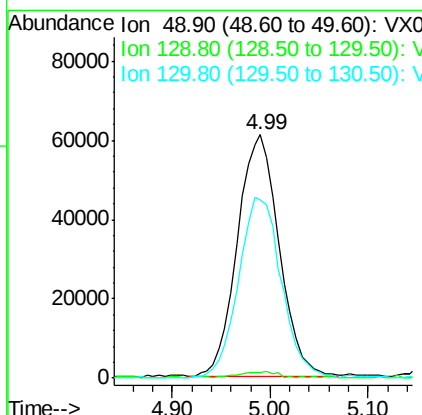
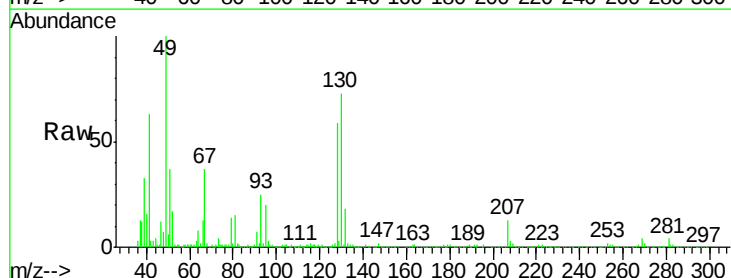
MMDadoda
4/23/2020 11:58:04 AM

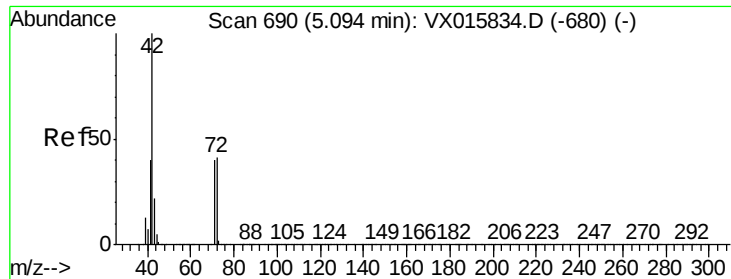


#28

Bromochloromethane
Concen: 19.204 ug/l
RT: 4.99 min Scan# 673
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182167		
129	2.5	0.0	1.8#	
130	76.4	62.4	93.6	





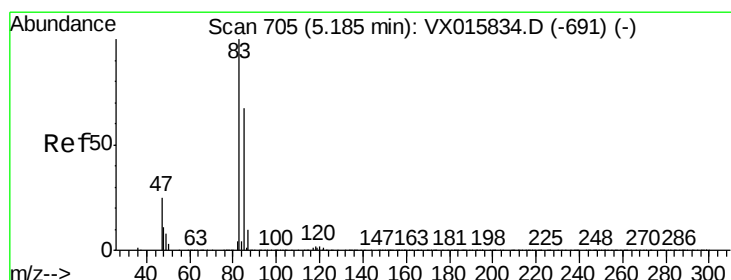
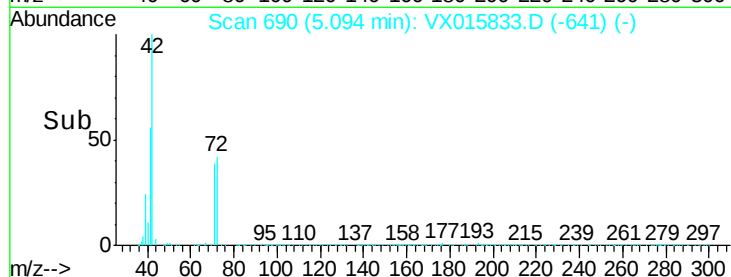
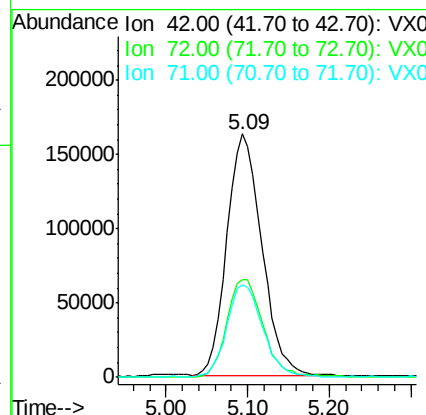
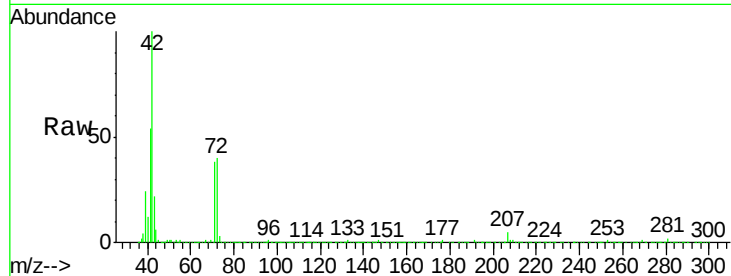
#29
Tetrahydrofuran
Concen: 93.593 ug/l
RT: 5.09 min Scan# 690
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.6
71	38.3	30.6	45.8

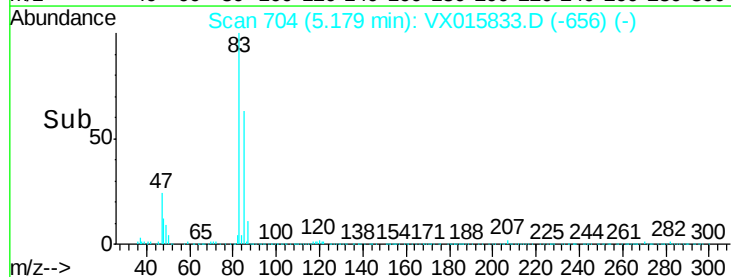
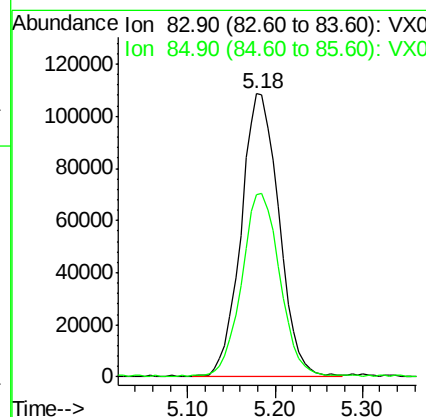
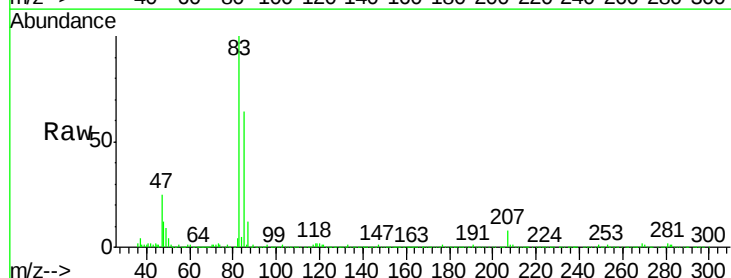
Manual Integrations
APPROVED

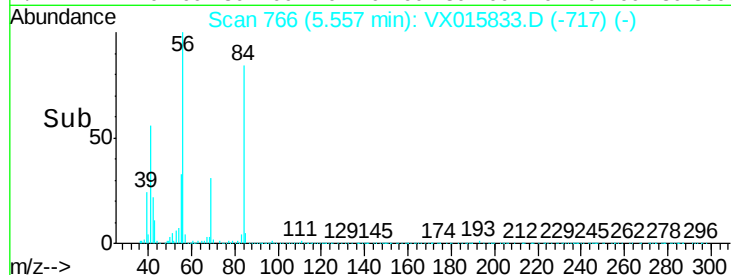
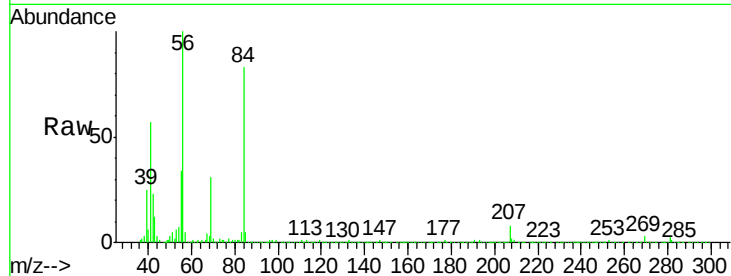
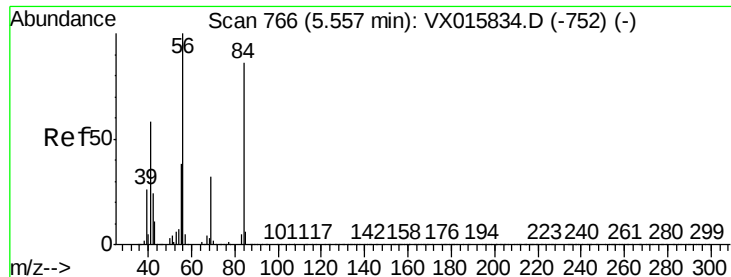
MMDadoda
4/23/2020 11:58:04 AM



#30
Chloroform
Concen: 18.356 ug/l
RT: 5.18 min Scan# 704
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.4	80.0





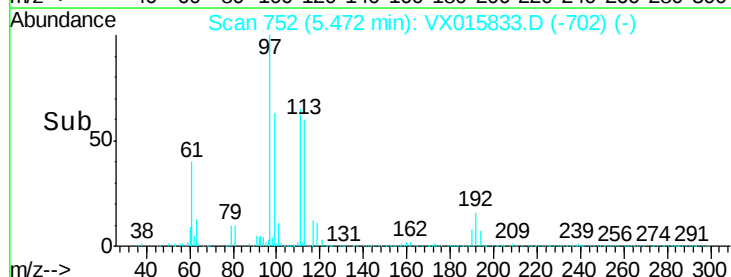
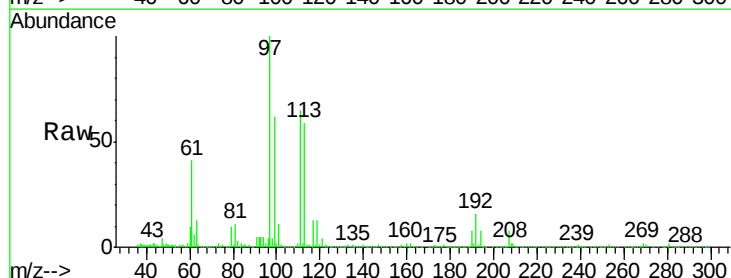
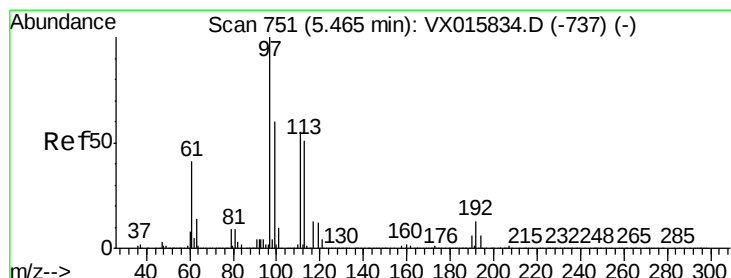
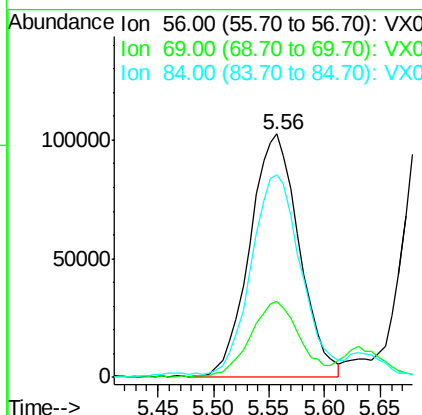
#31
Cyclohexane
Concen: 18.438 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.3	37.9
84	82.3	69.1	103.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

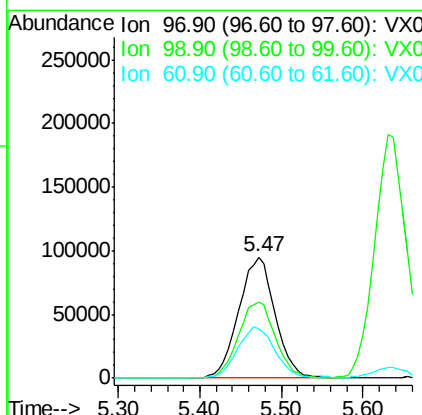
Manual Integrations
APPROVED

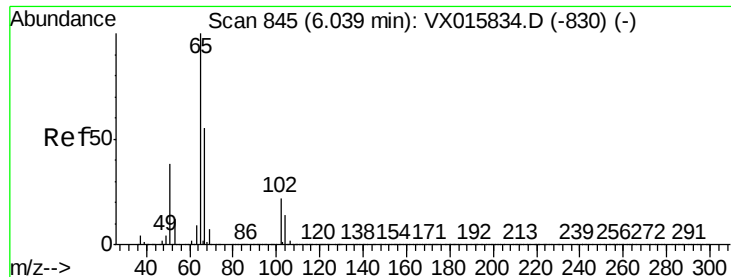
MMDadoda
4/23/2020 11:58:04 AM



#32
1,1,1-Trichloroethane
Concen: 18.642 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	42.6	34.1	51.1





#33

1,2-Dichloroethane-d4

Concen: 18.310 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 219234

Ion Ratio Lower Upper

65 100

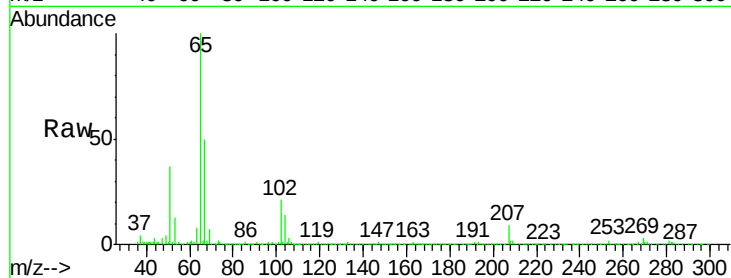
67 54.4 0.0 104.2

Manual Integrations

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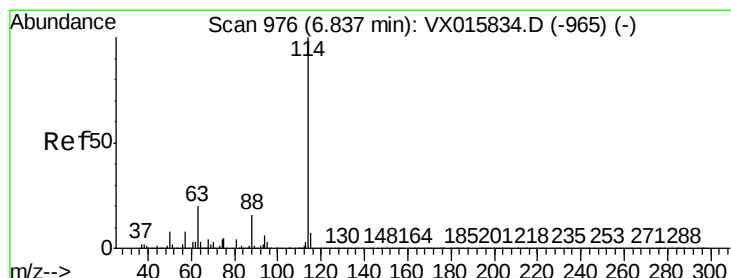
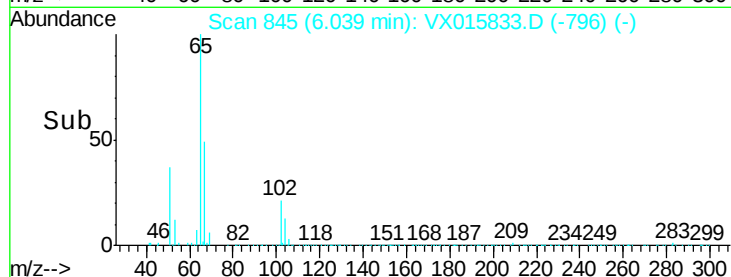
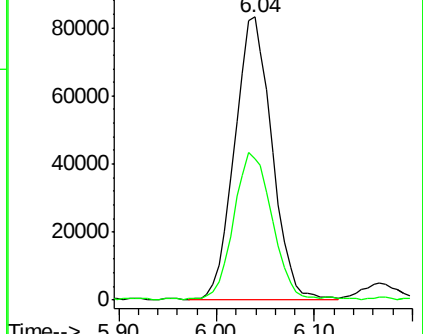
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

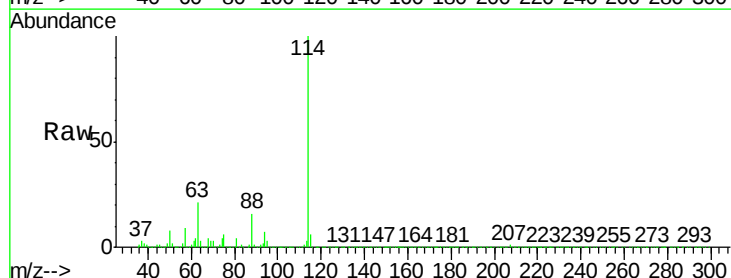
Tgt Ion: 114 Resp: 1511560

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.6

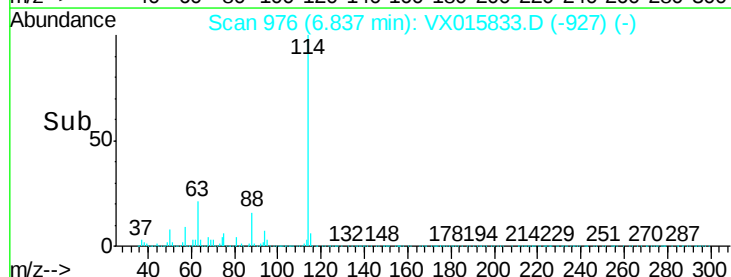
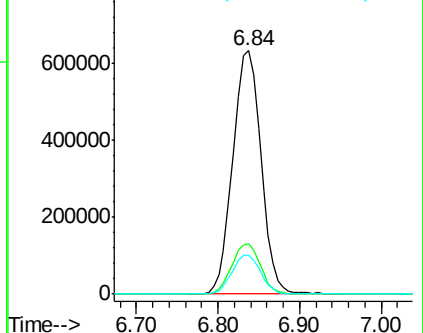
88 16.1 0.0 32.8

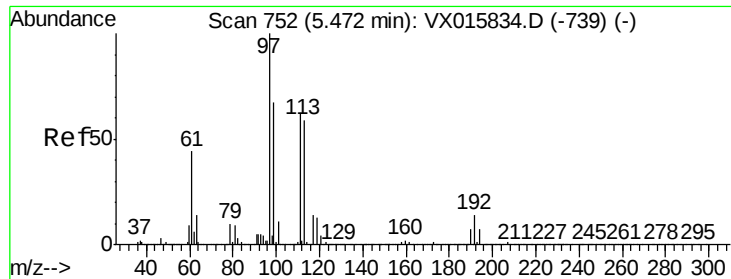


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





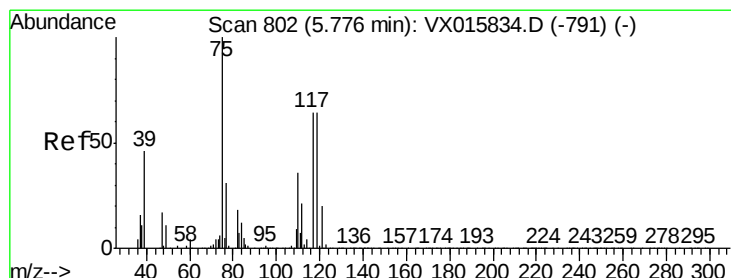
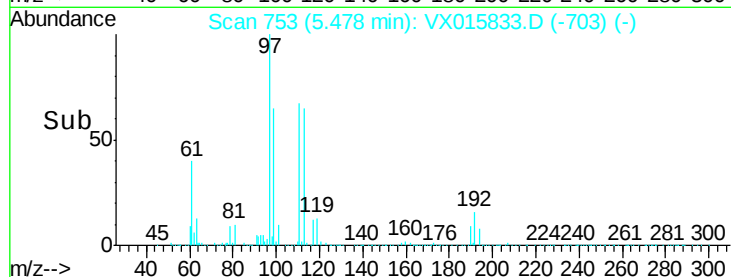
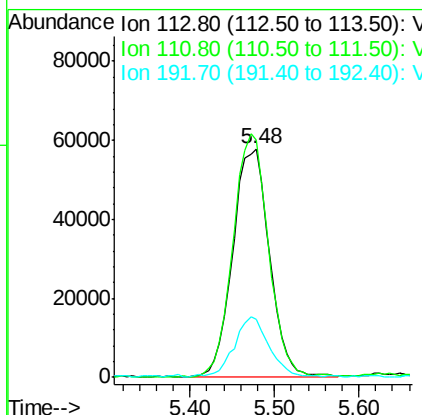
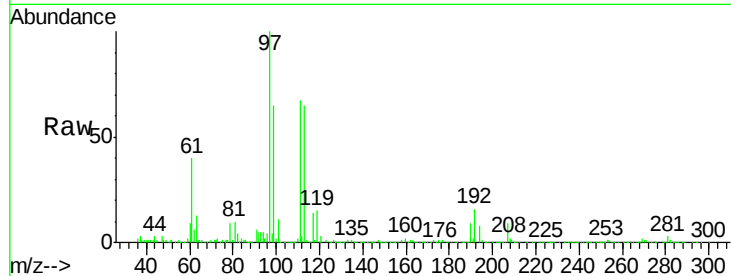
#35
 Dibromofluoromethane
 Concen: 17.823 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	25.6	19.3	28.9

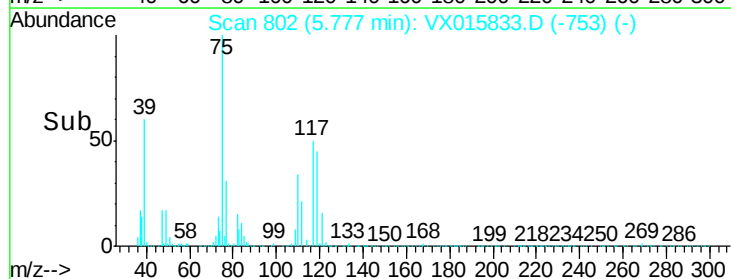
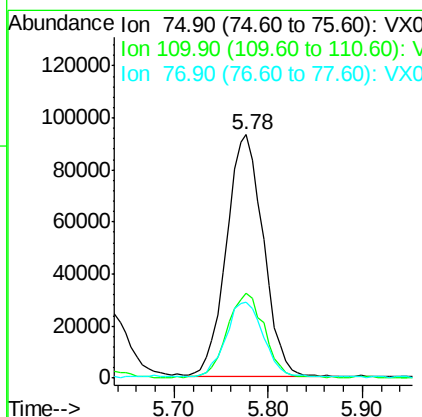
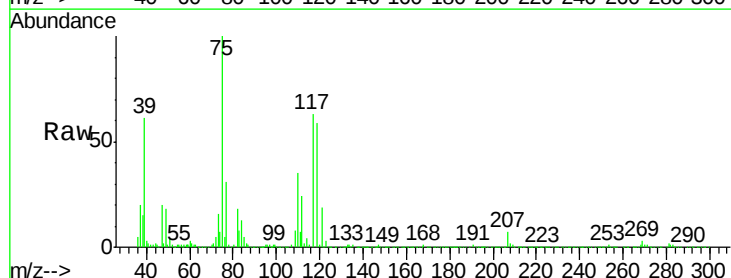
Manual Integrations
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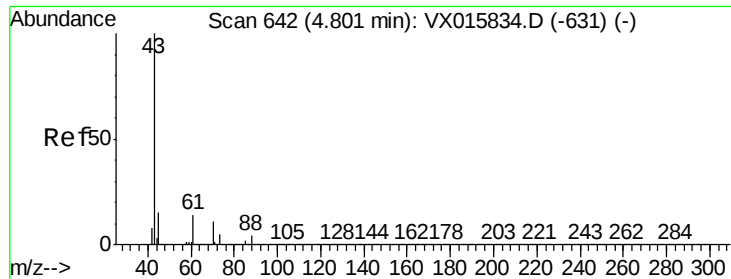
MMDadoda
 4/23/2020 11:58:04 AM



#36
 1,1-Dichloropropene
 Concen: 19.114 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.9	53.8
77	31.0	24.5	36.7





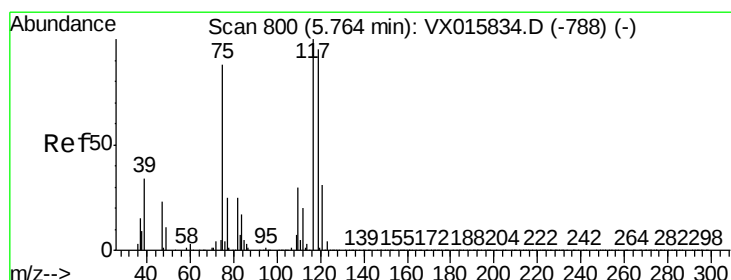
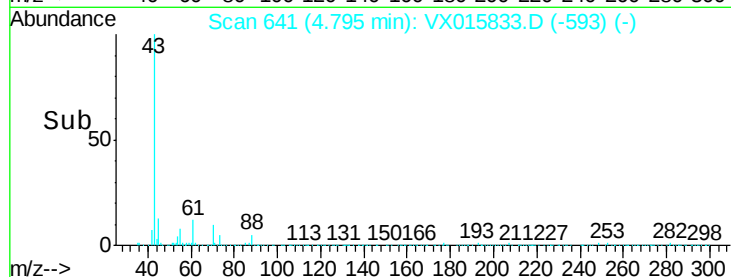
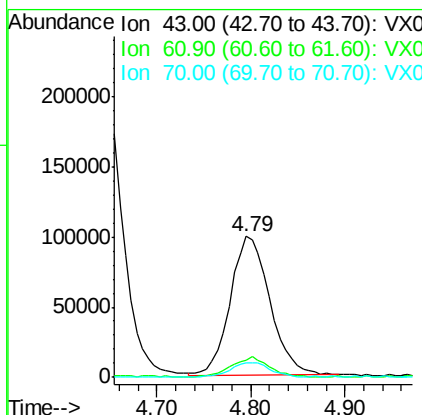
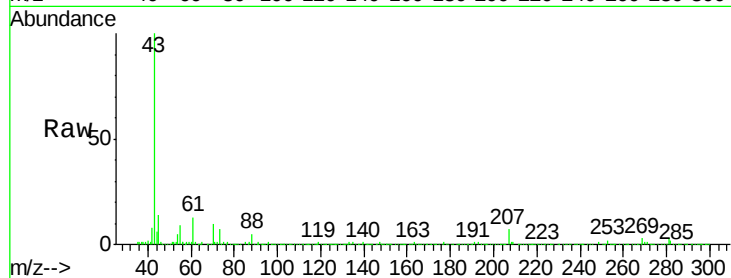
#37
Ethyl Acetate
Concen: 18.085 ug/l
RT: 4.79 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	288537
Ion Ratio	Lower	Upper	
43	100		
61	13.5	10.8	16.2
70	11.2	8.2	12.2

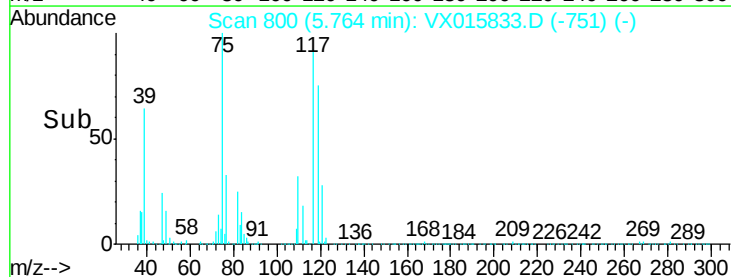
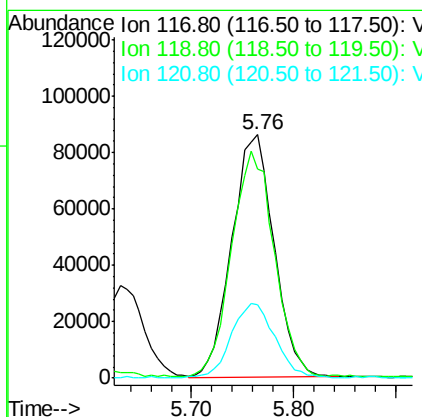
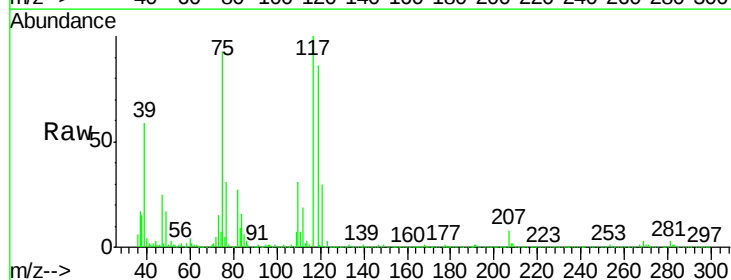
Manual Integrations
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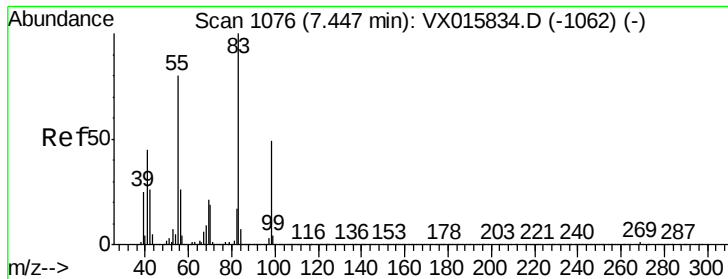
MMDadoda
4/23/2020 11:58:04 AM



#38
Carbon Tetrachloride
Concen: 19.167 ug/l
RT: 5.76 min Scan# 800
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	117	Resp	247032
Ion Ratio	Lower	Upper	
117	100		
119	85.5	75.7	113.5
121	29.9	25.0	37.6





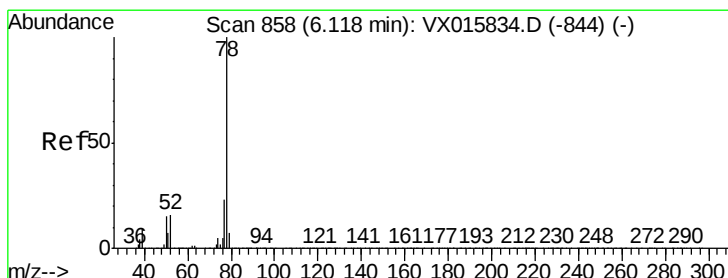
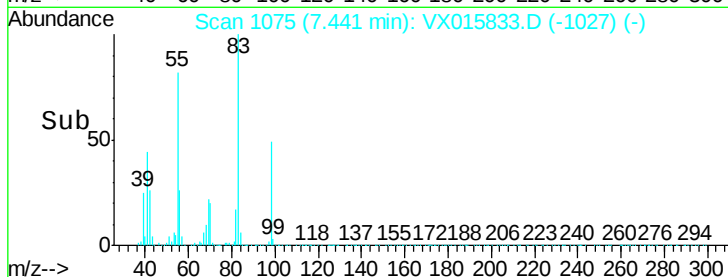
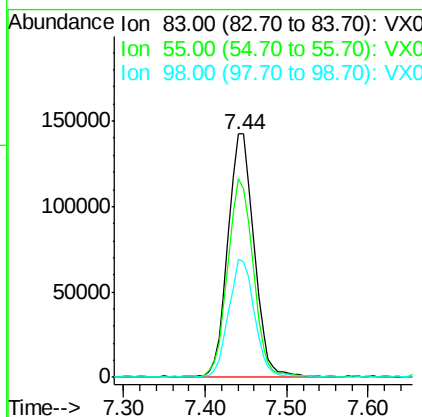
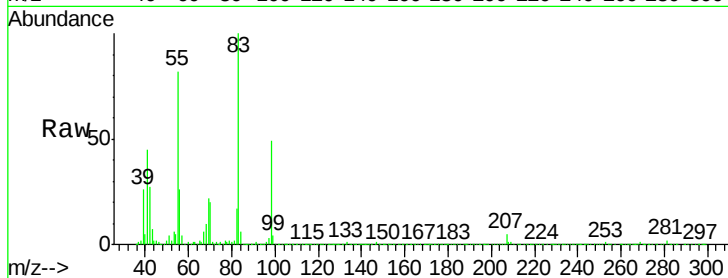
#39
Methvlcvclohexane
Concen: 18.454 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.5	64.2	96.4	
98	48.5	39.3	58.9	

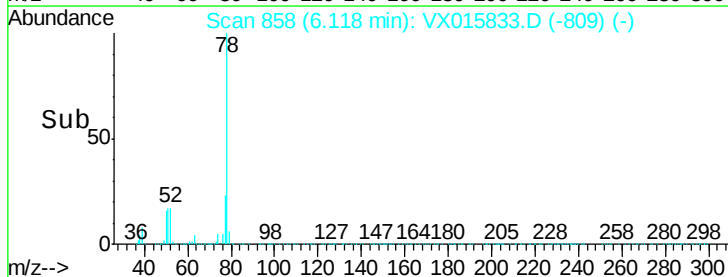
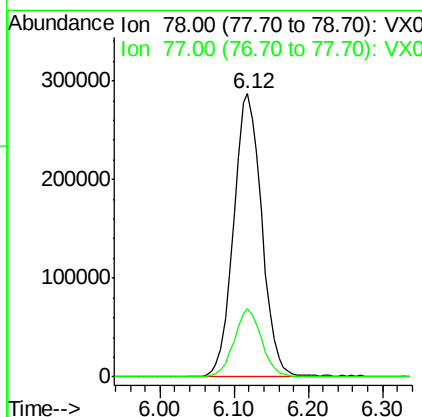
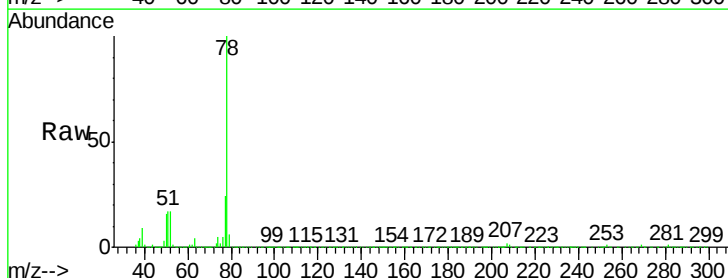
Manual Integrations
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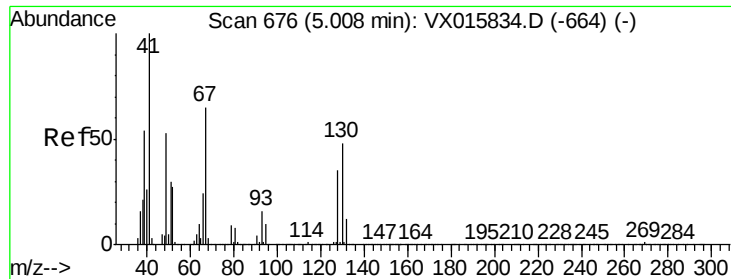
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4/23/2020 11:58:04 AM



#40
Benzene
Concen: 18.645 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.6	27.8	





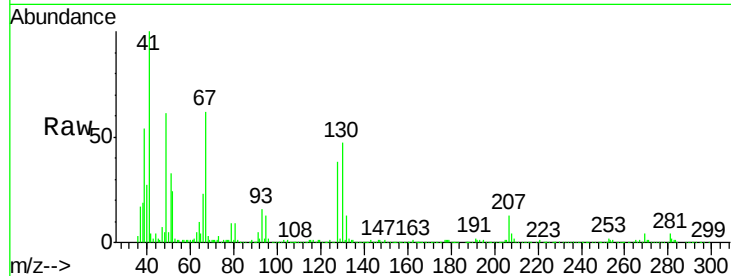
#41
Methacrylonitrile
Concen: 22.398 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

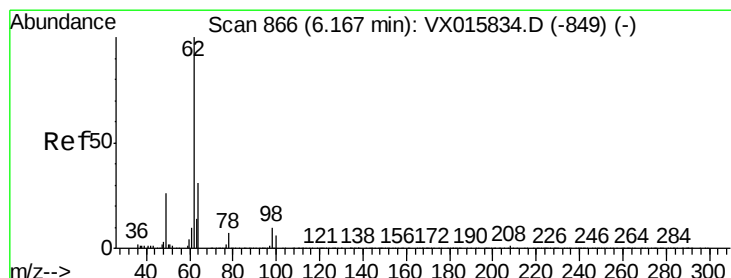
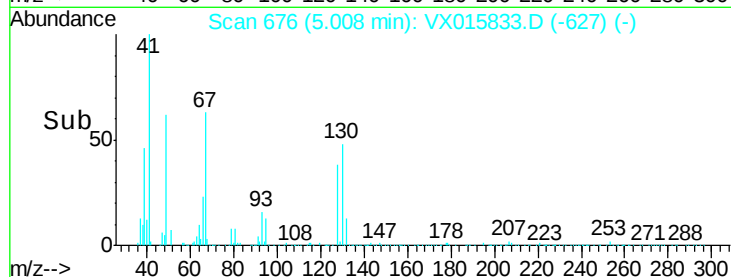
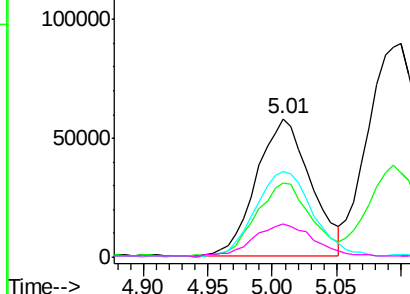
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.4	63.6	
67	65.6	51.9	77.9	
52	27.9	21.0	31.4	

Manual Integrations
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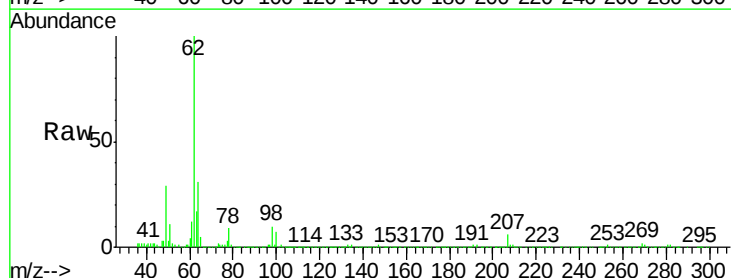


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

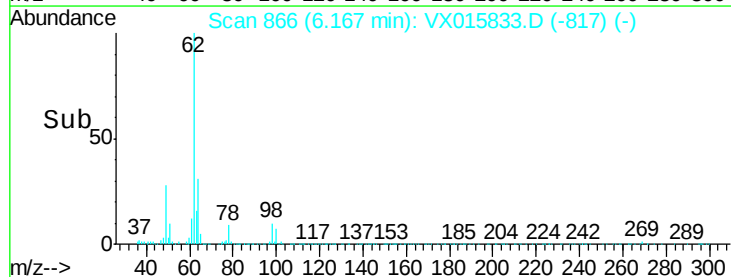
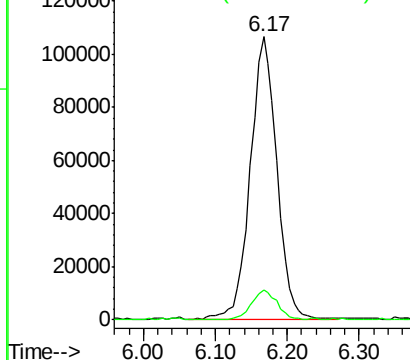


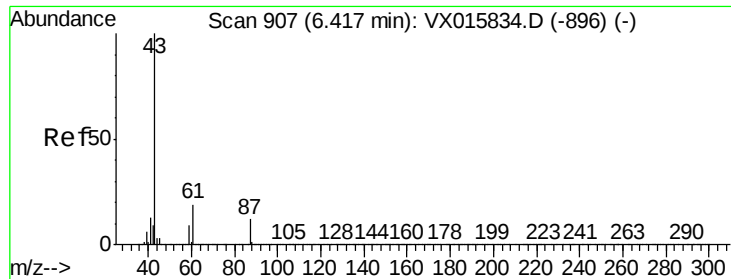
#42
1,2-Dichloroethane
Concen: 18.649 ug/l
RT: 6.17 min Scan# 866
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.0	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

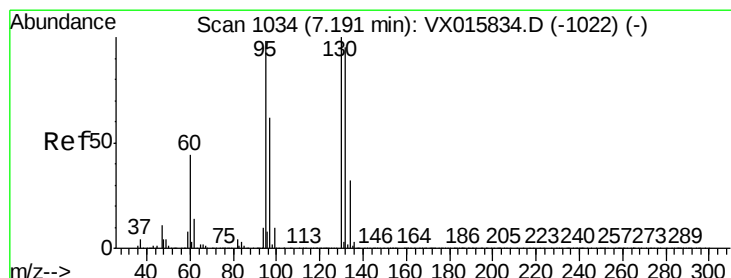
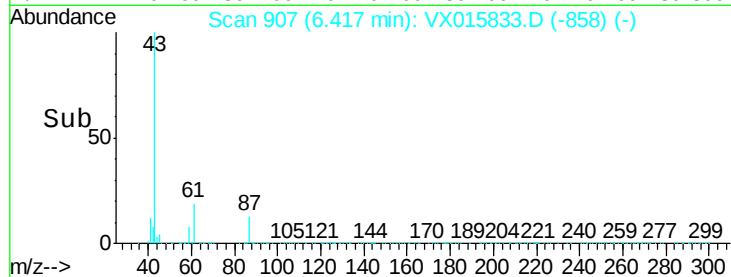
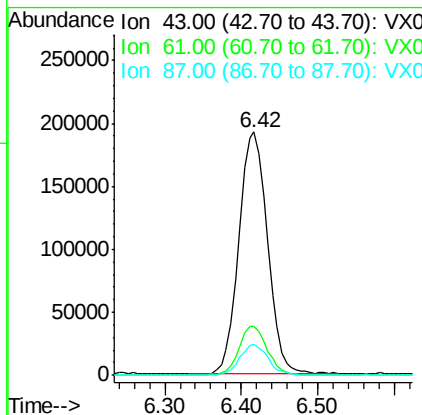
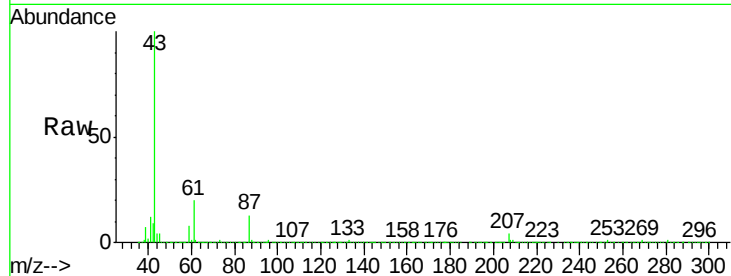
Isopropyl Acetate
 Concen: 18.607 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.2
87	12.3	9.8	14.6

Manual Integrations
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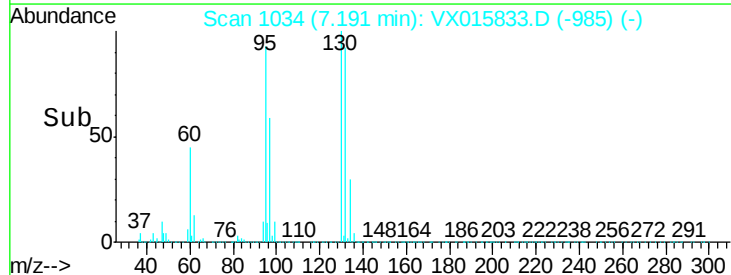
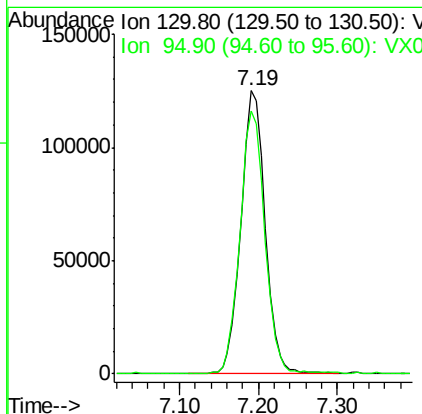
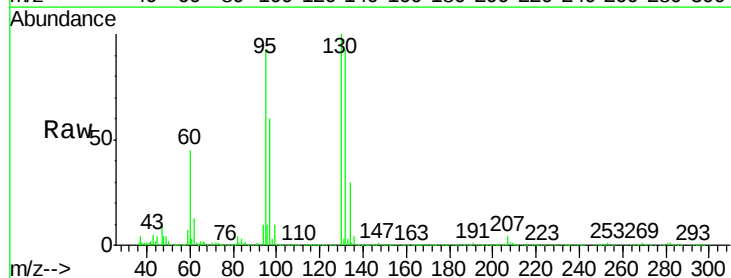
MMDadoda
 4/23/2020 11:58:04 AM

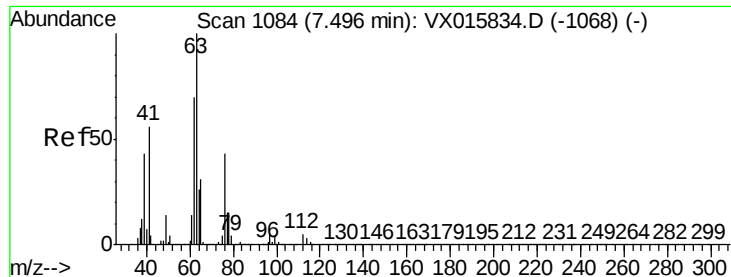


#44

Trichloroethene
 Concen: 18.938 ug/l
 RT: 7.19 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	195.8





#45

1,2-Dichloropropane

Concen: 18.466 ug/l

RT: 7.50 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 194900

Ion Ratio Lower Upper

63 100

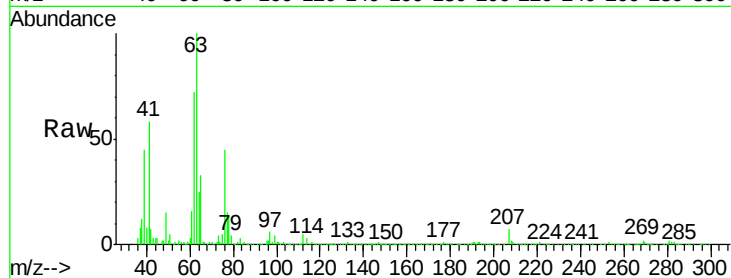
65 32.3 24.5 36.7

Manual Integrations

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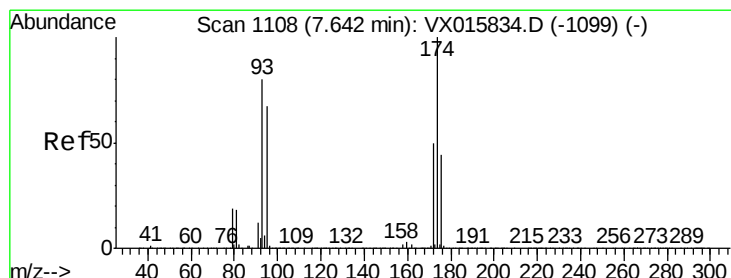
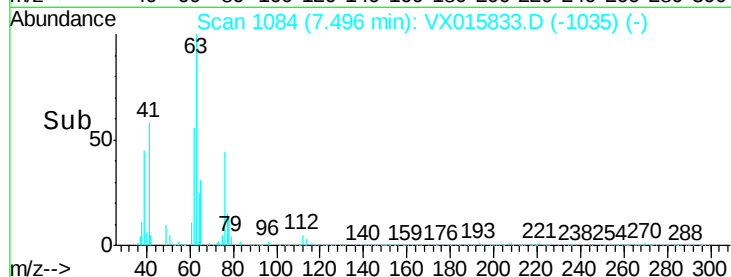
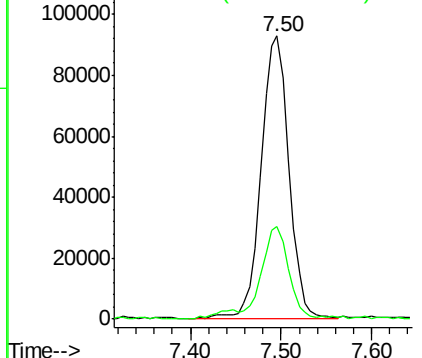
MMDadoda

4/23/2020 11:58:04 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.205 ug/l

RT: 7.64 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

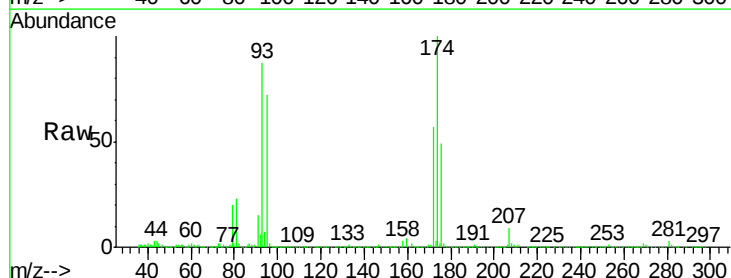
Tgt Ion: 93 Resp: 144627

Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

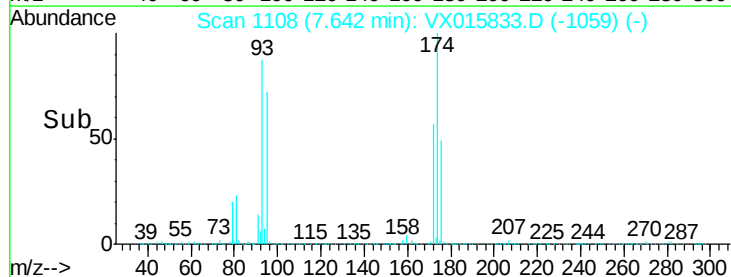
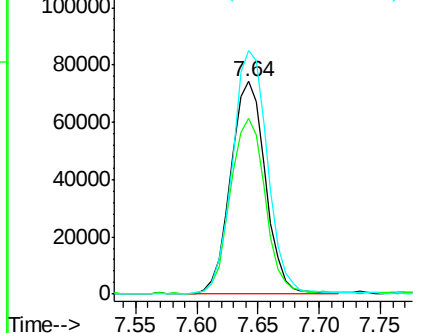
174 117.6 95.6 143.4

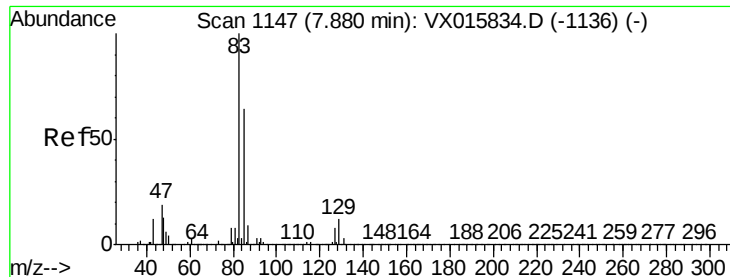


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.739 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

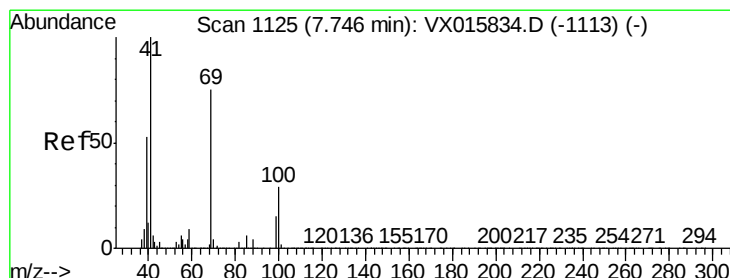
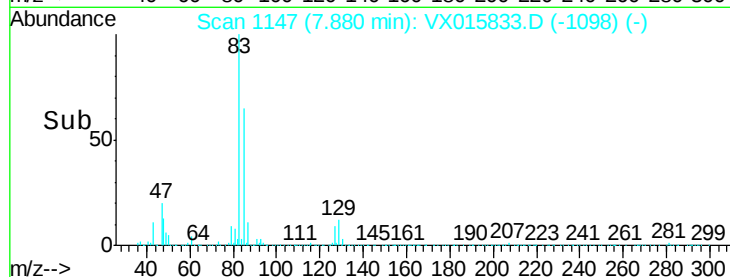
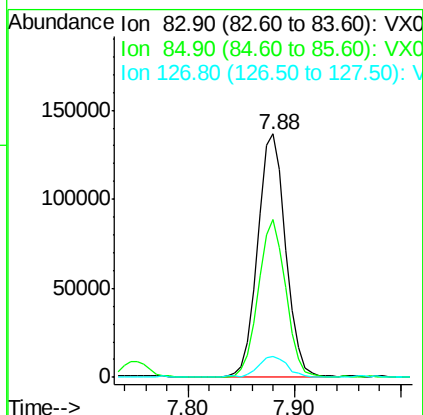
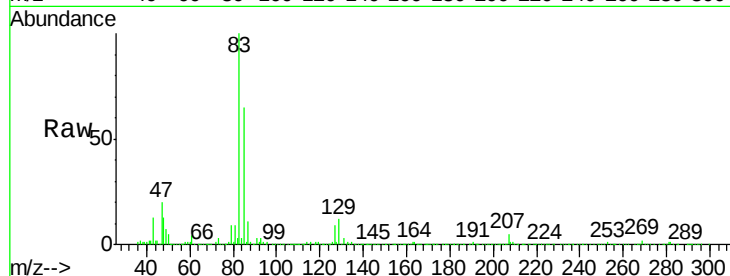
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	251887
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.8	76.2
127	8.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.905 ug/l

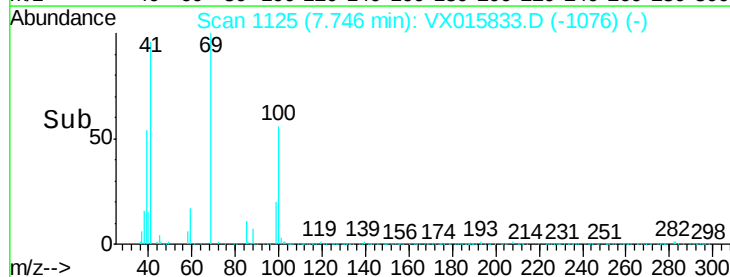
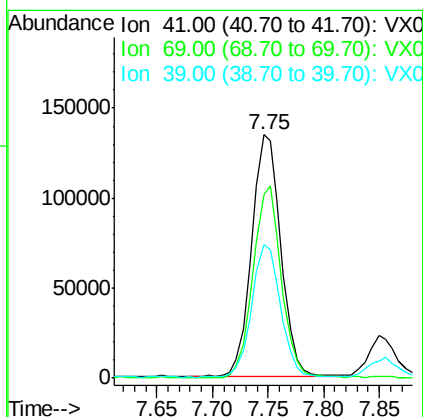
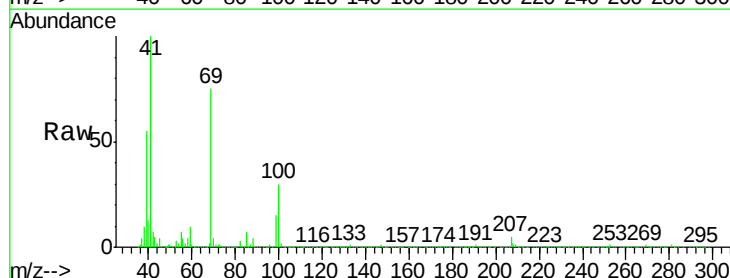
RT: 7.75 min Scan# 1125

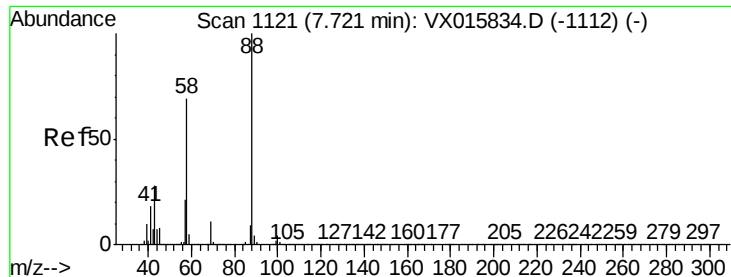
Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion:	41	Resp:	246505
Ion Ratio	Lower	Upper	
41	100		
69	76.5	60.5	90.7
39	55.9	42.1	63.1





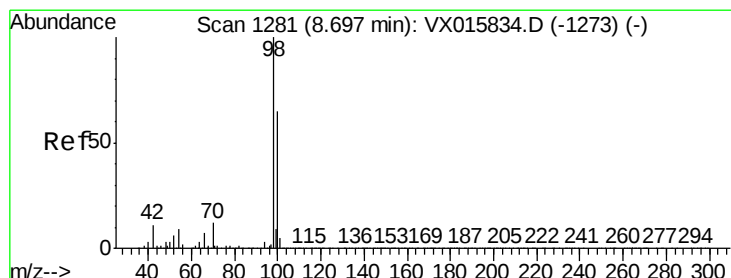
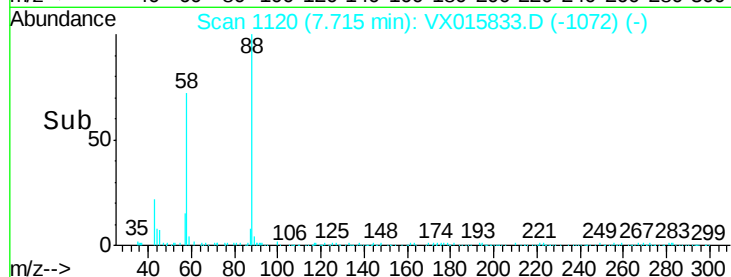
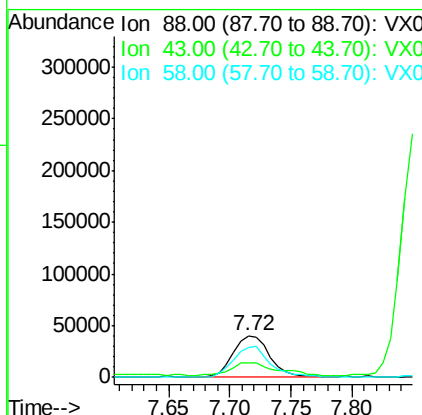
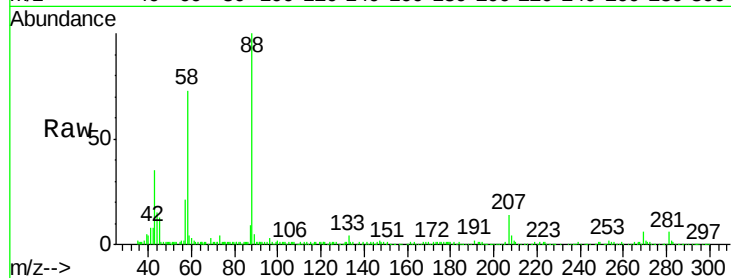
#49
1,4-Dioxane
Concen: 328.590 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.2	42.4
58	73.3	58.9	88.3

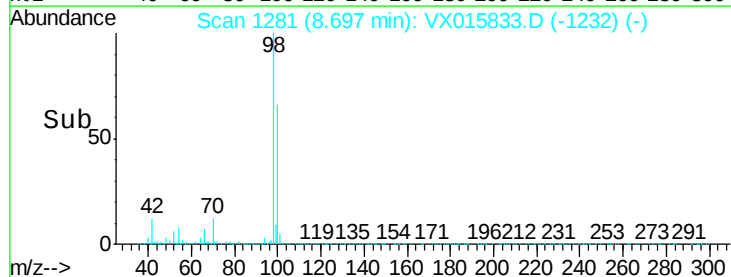
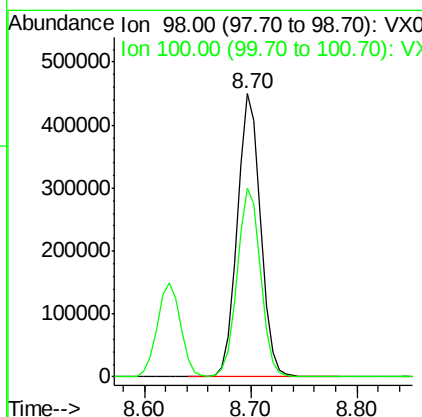
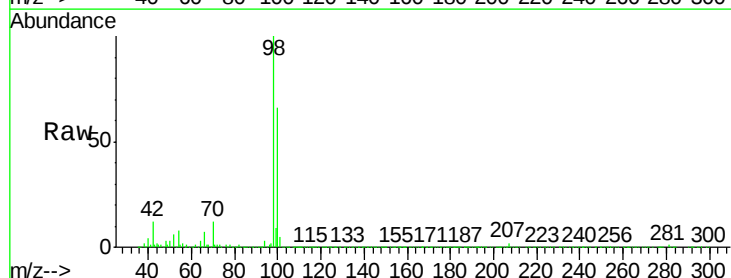
Manual Integrations
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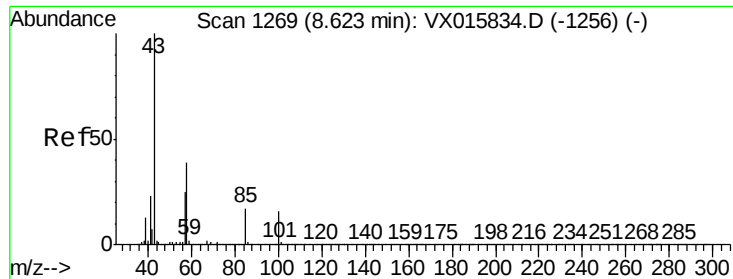
MMDadoda
4/23/2020 11:58:04 AM



#50
Toluene-d8
Concen: 19.021 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.8	80.6





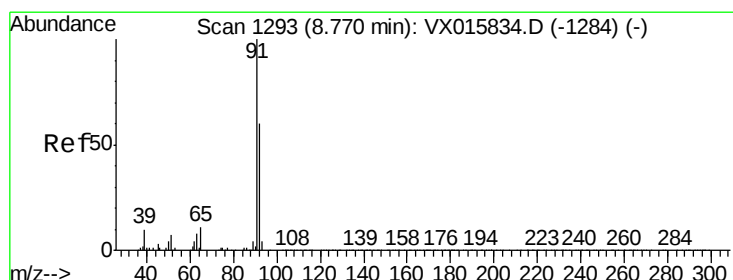
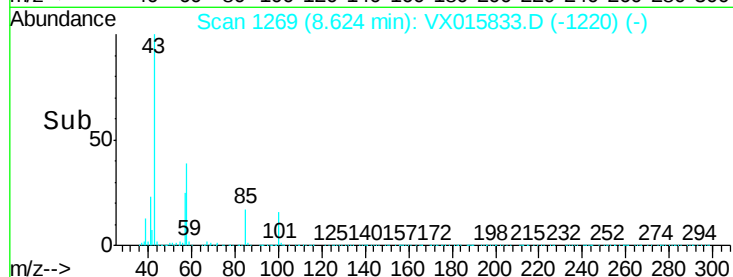
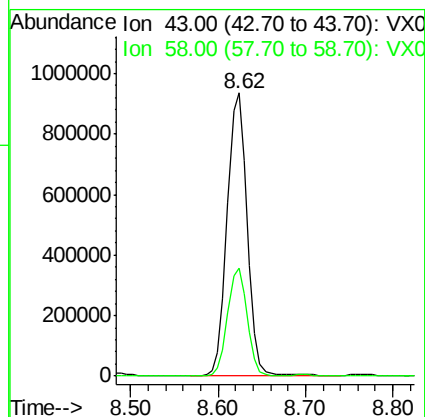
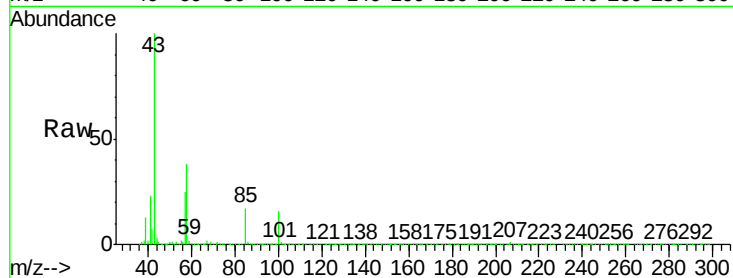
#51
4-Methyl-2-Pentanone
Concen: 95.048 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1475482
Ion Ratio Lower Upper
43 100
58 37.7 30.6 45.8

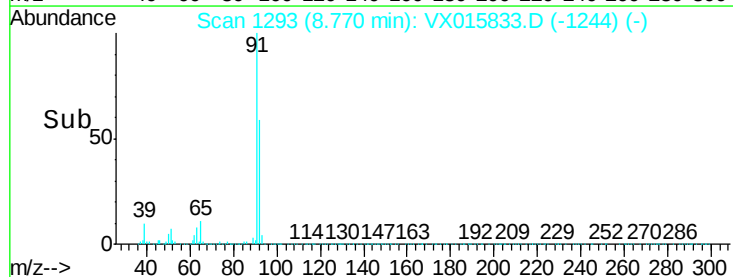
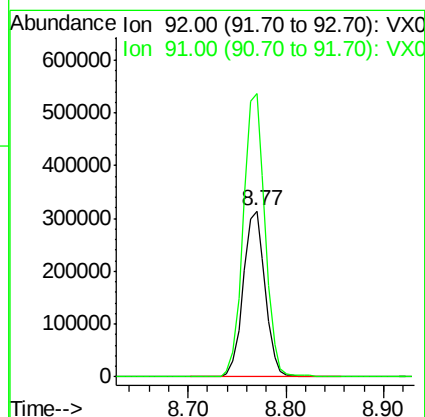
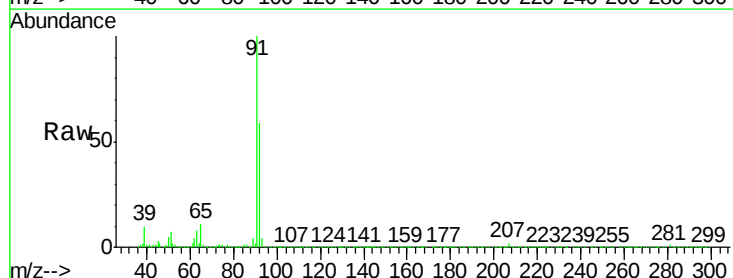
Manual Integrations
APPROVED

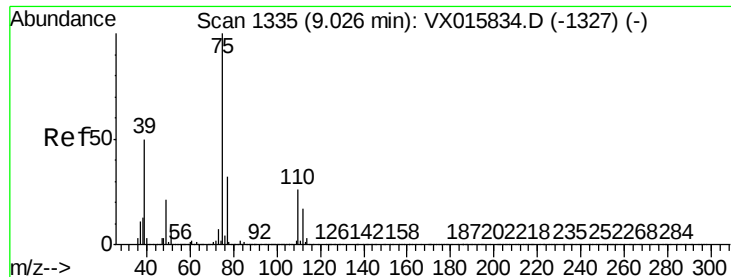
MMDadoda
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#52
Toluene
Concen: 18.686 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion: 92 Resp: 487184
Ion Ratio Lower Upper
92 100
91 169.4 133.4 200.0





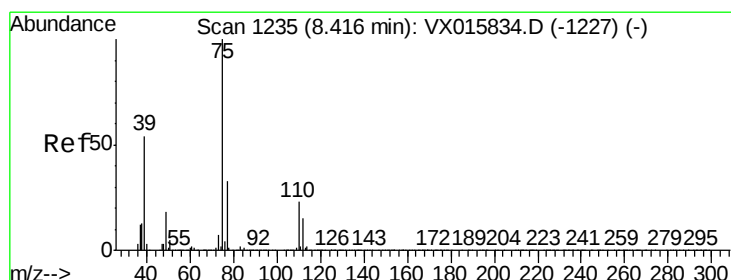
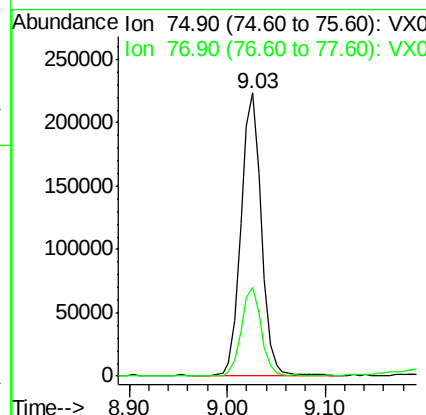
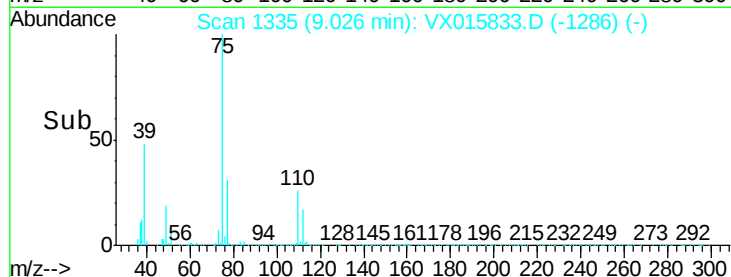
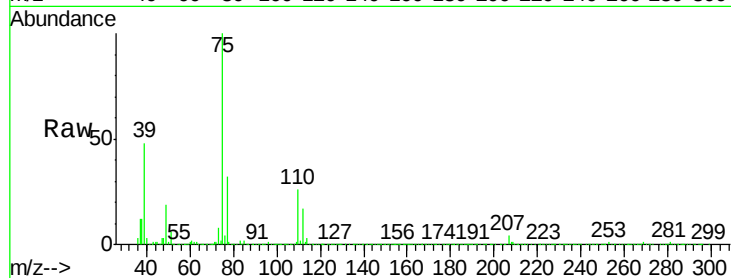
#53
t-1,3-Dichloropropene
Concen: 19.097 ug/l
RT: 9.03 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.9	38.9

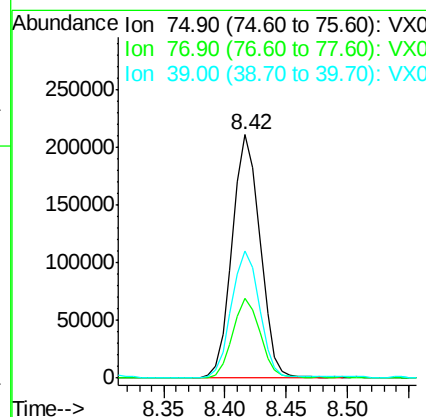
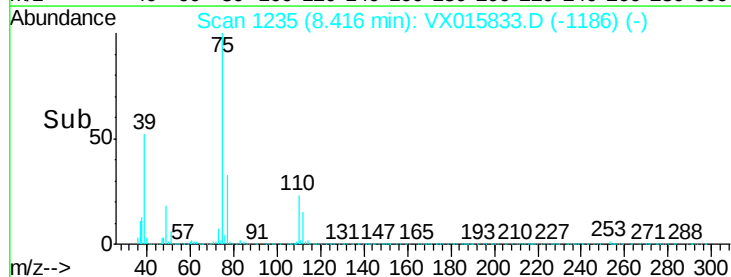
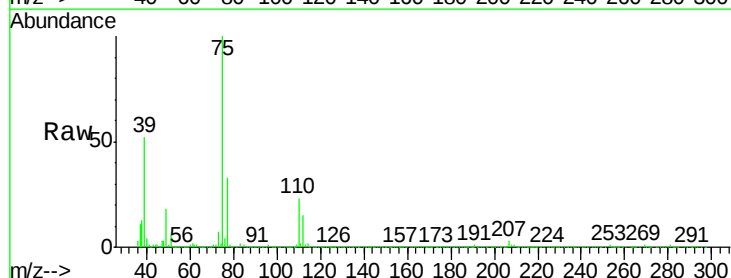
Manual Integrations
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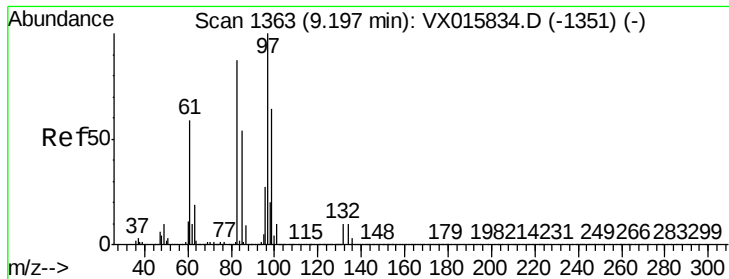
MMDadoda
4/23/2020 11:58:04 AM



#54
cis-1,3-Dichloropropene
Concen: 18.629 ug/l
RT: 8.42 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.0	39.0
39	52.2	42.8	64.2





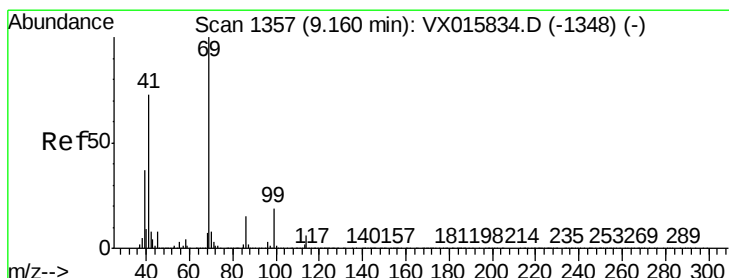
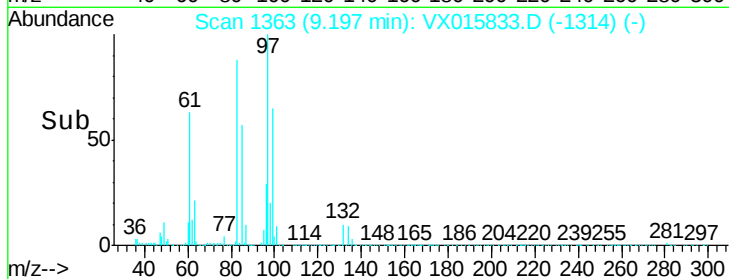
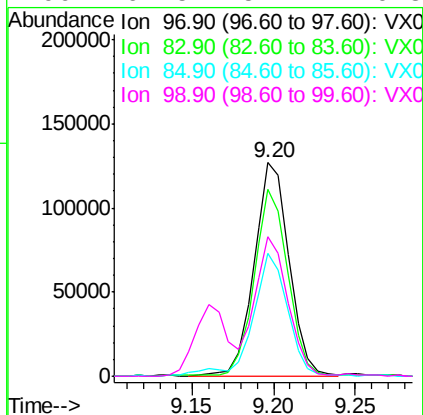
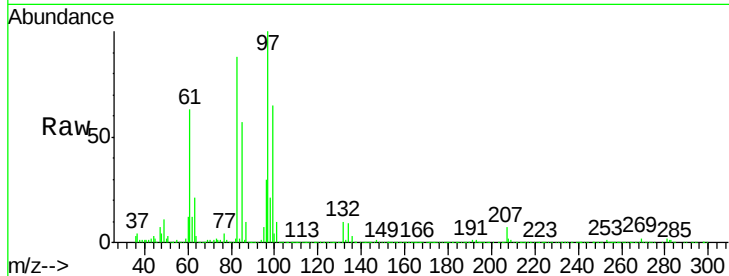
#55
 1,1,2-Trichloroethane
 Concen: 18.865 ug/l
 RT: 9.20 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		189578		
83	87.4	69.8	104.8		
85	57.0	43.4	65.2		
99	64.5	51.2	76.8		

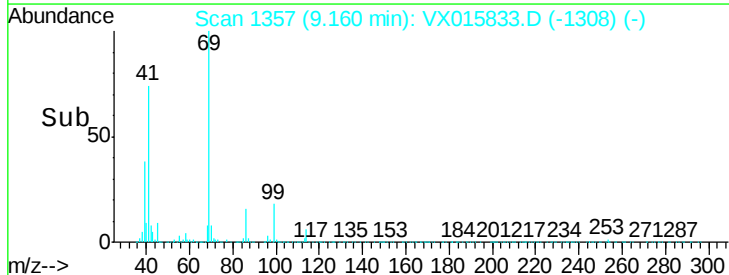
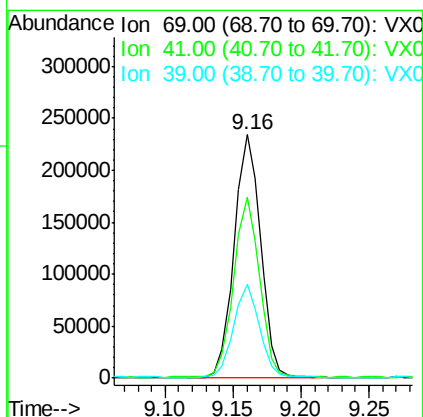
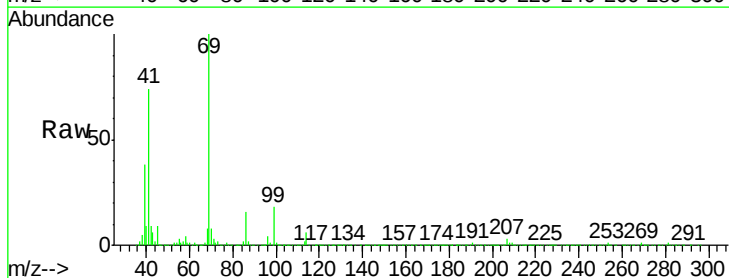
Manual Integrations
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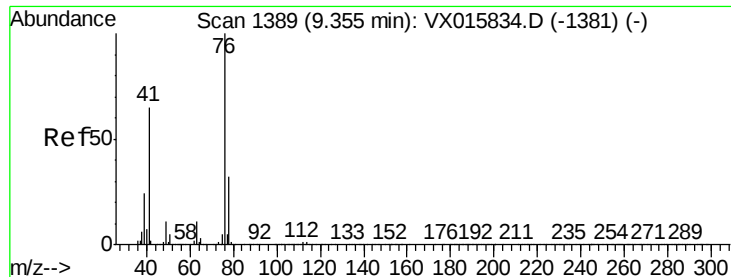
MMDadoda
 4/23/2020 11:58:04 AM



#56
 Ethyl methacrylate
 Concen: 18.886 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		318135		
41	72.5	57.4	86.2		
39	37.7	29.7	44.5		





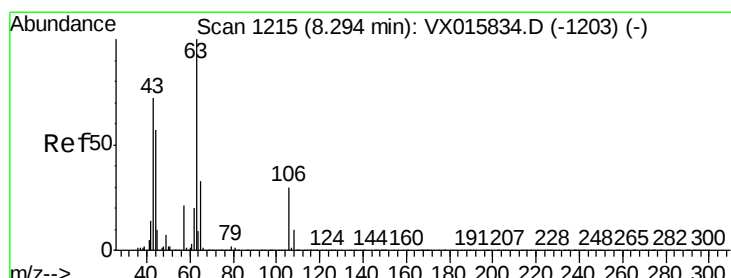
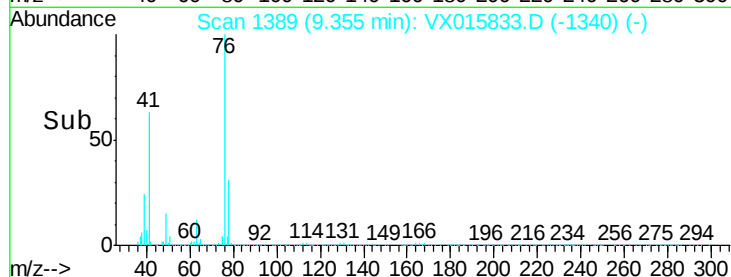
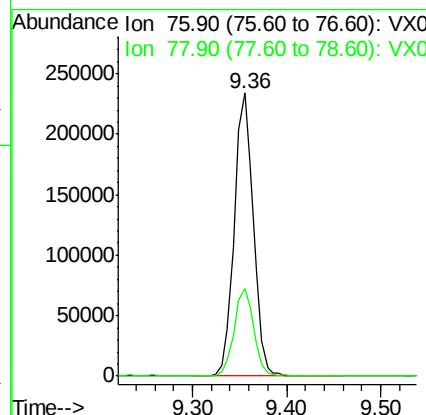
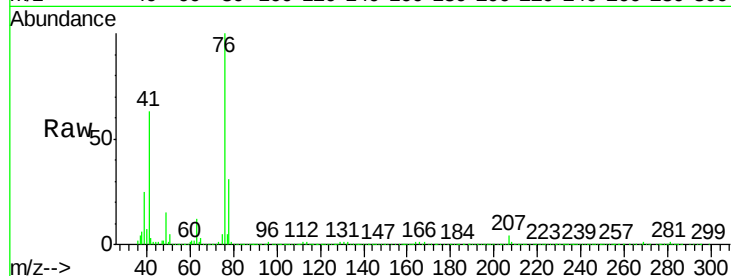
#57
 1,3-Dichloropropane
 Concen: 18.776 ug/l
 RT: 9.36 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.2

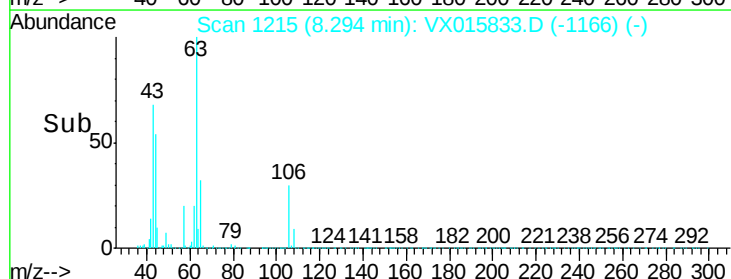
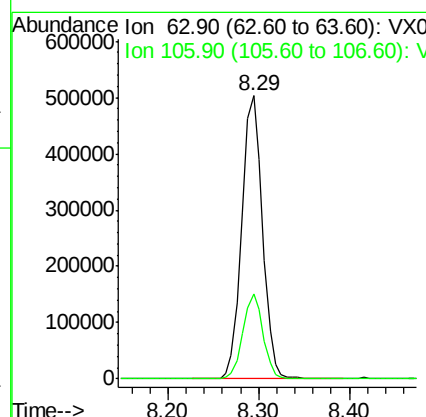
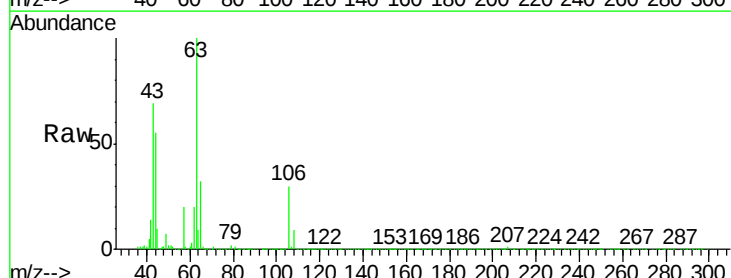
Manual Integrations
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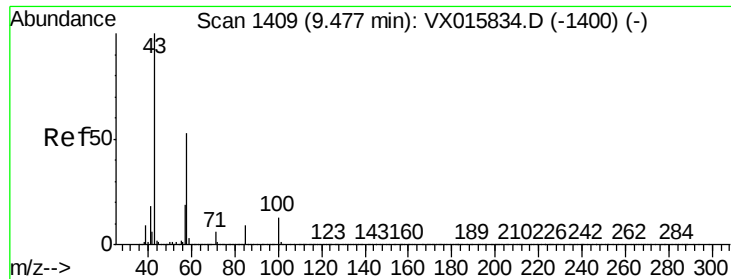
MMDadoda
 4/23/2020 11:58:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.883 ug/l
 RT: 8.29 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.8	35.8





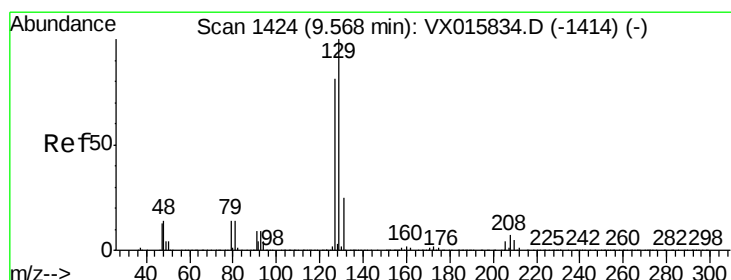
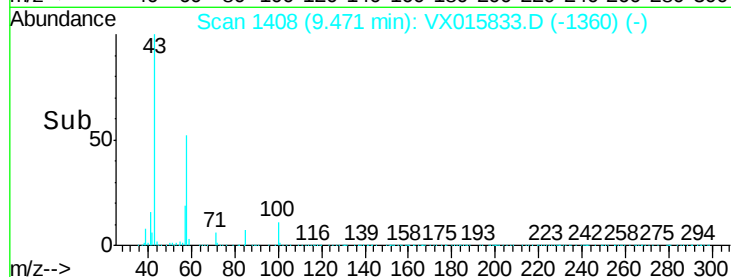
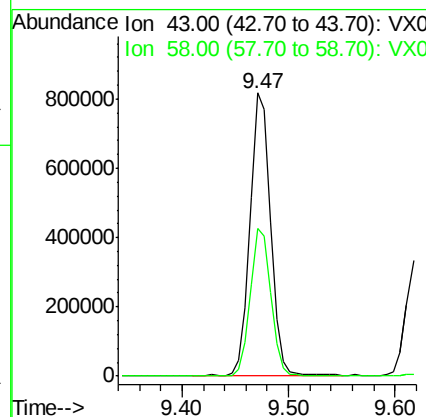
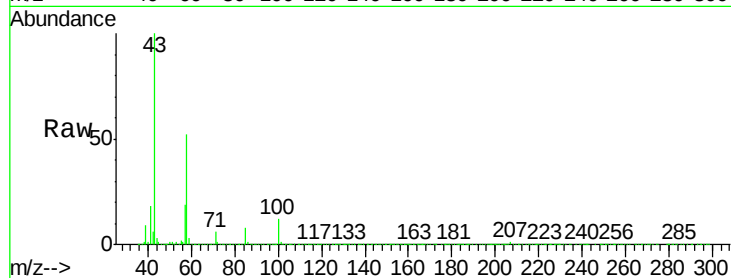
#59
2-Hexanone
Concen: 94.742 ug/l
RT: 9.47 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1109316
Ion Ratio Lower Upper
43 100
58 52.4 26.5 79.4

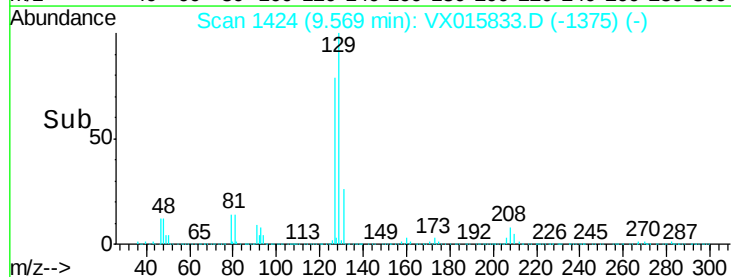
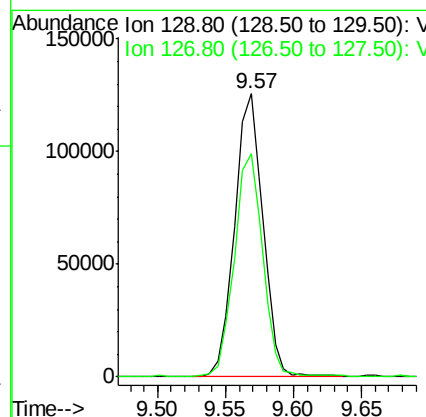
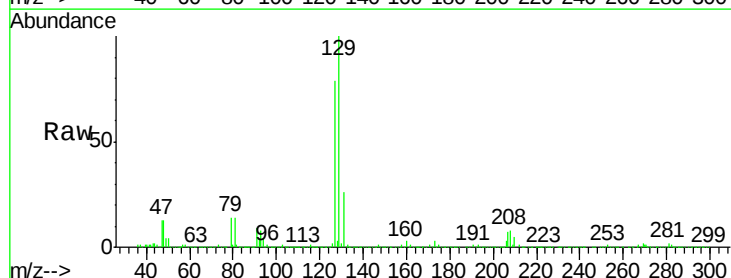
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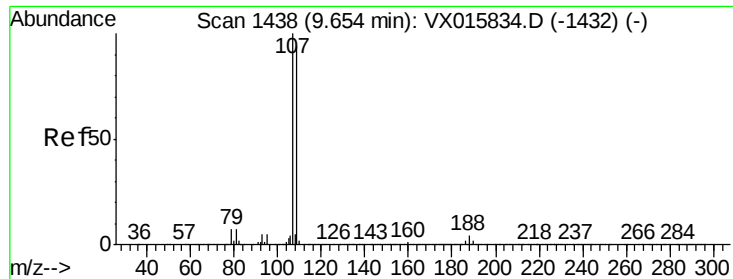
MMDadoda
4/23/2020 11:58:04 AM



#60
Dibromochloromethane
Concen: 18.399 ug/l
RT: 9.57 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion: 129 Resp: 180860
Ion Ratio Lower Upper
129 100
127 79.0 40.0 120.0





#61

1,2-Dibromoethane

Concen: 18.204 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 204246

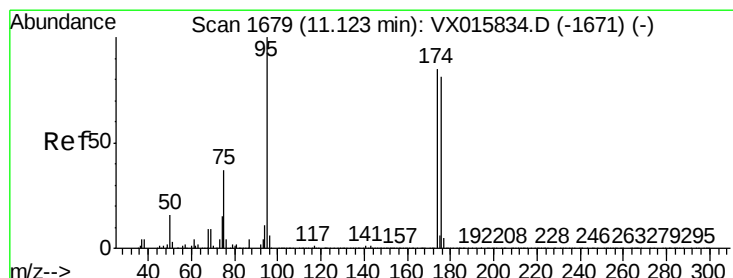
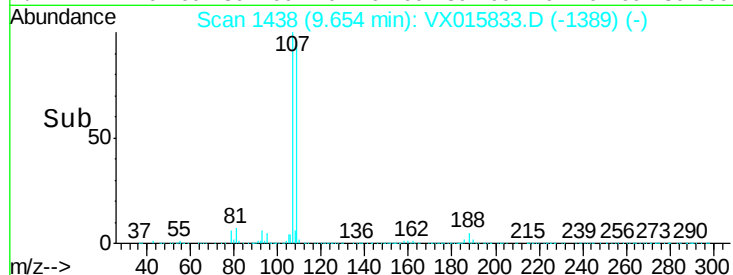
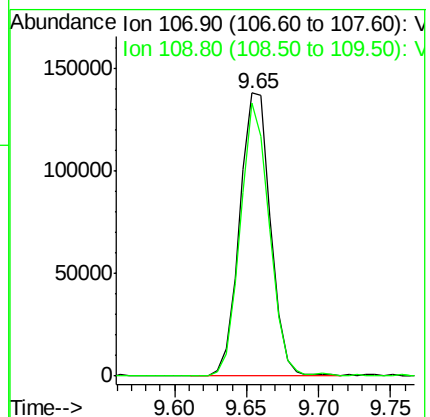
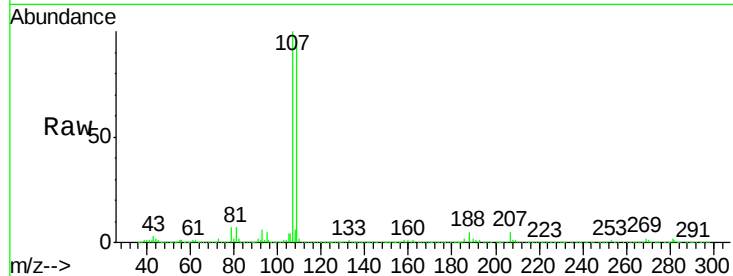
Ion Ratio Lower Upper

107 100

109 91.7 75.4 113.0

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MMDadoda
4/23/2020 11:58:04 AM



#62

4-Bromofluorobenzene

Concen: 17.032 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

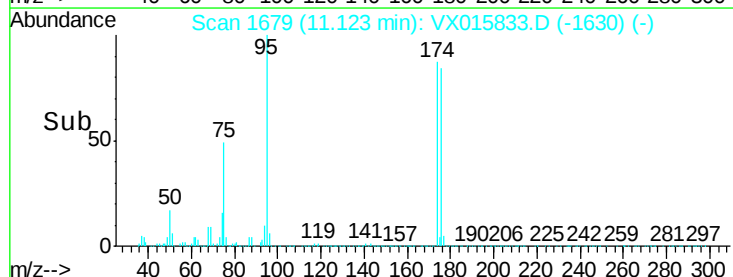
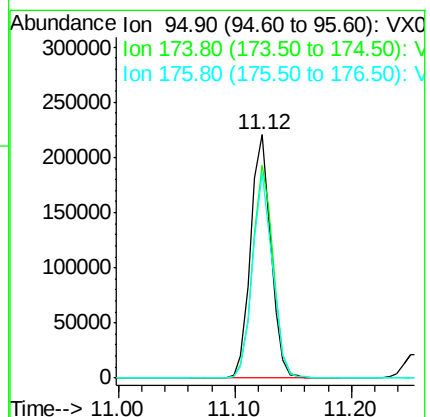
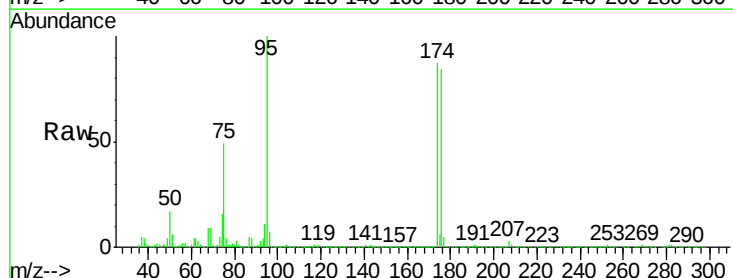
Tgt Ion: 95 Resp: 271174

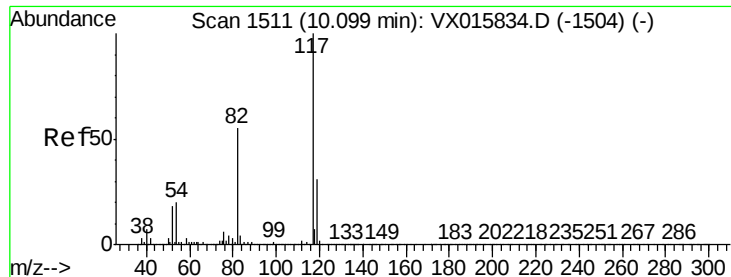
Ion Ratio Lower Upper

95 100

174 87.6 0.0 172.4

176 82.6 0.0 167.0





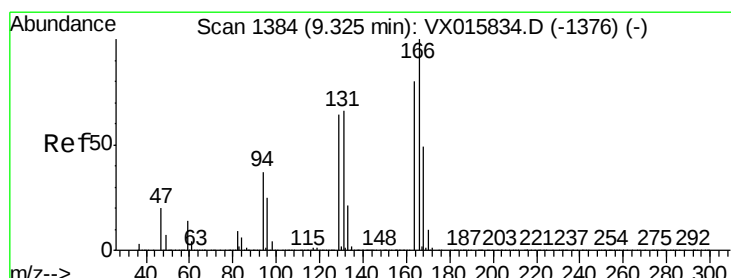
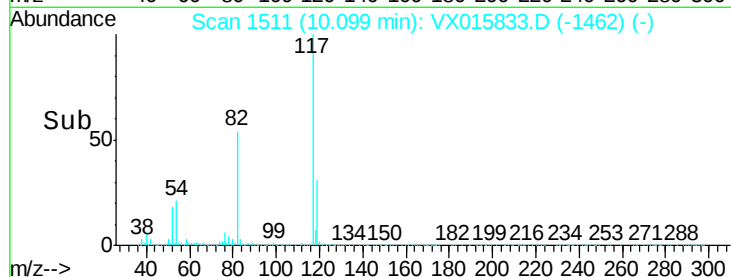
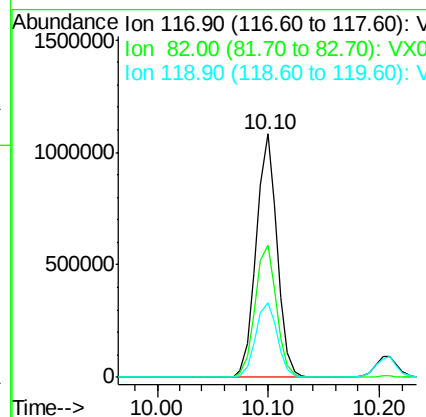
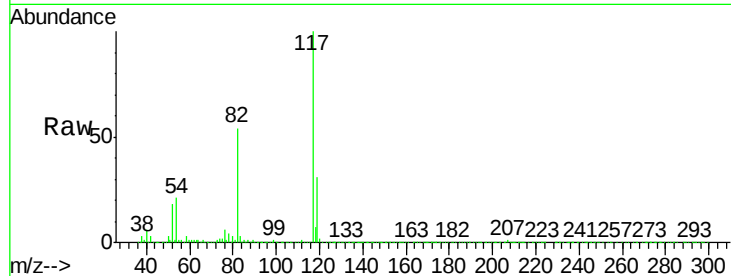
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.9	65.9
119	30.5	25.1	37.7

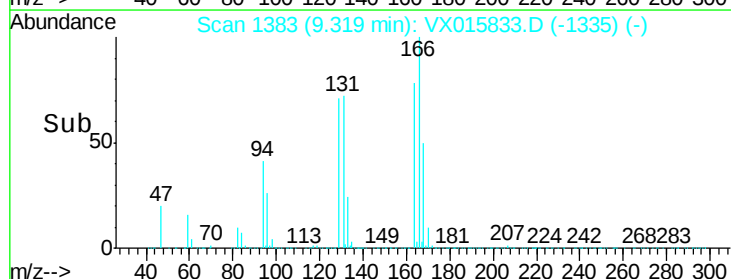
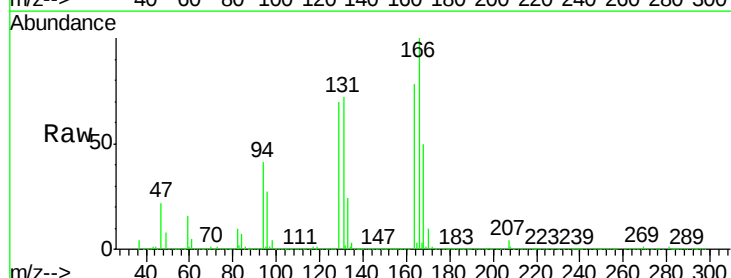
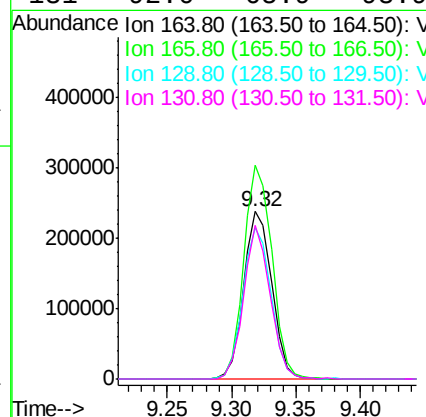
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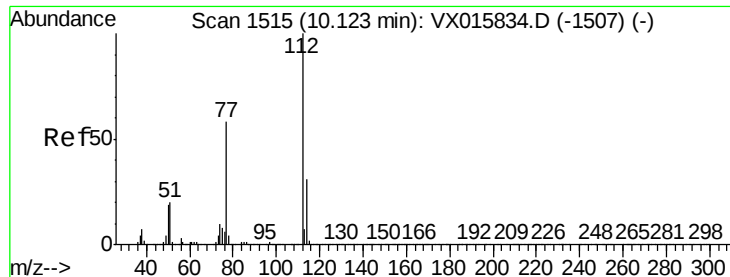
MMDadoda
4/23/2020 11:58:04 AM



#64
Tetrachloroethene
Concen: 18.068 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.2	150.2
129	89.9	64.5	96.7
131	92.0	65.9	98.9





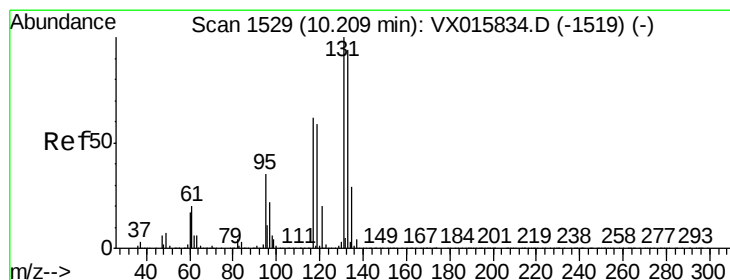
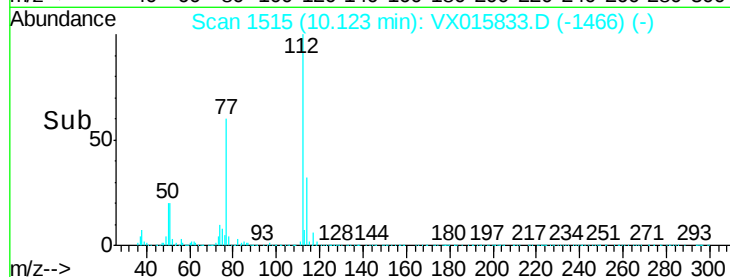
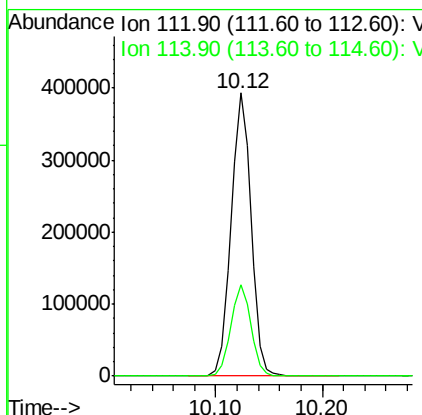
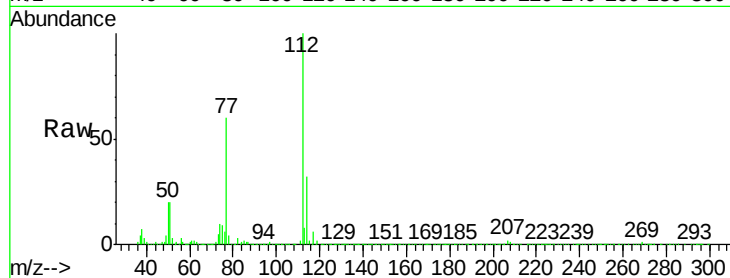
#65
Chlorobenzene
Concen: 18.239 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4

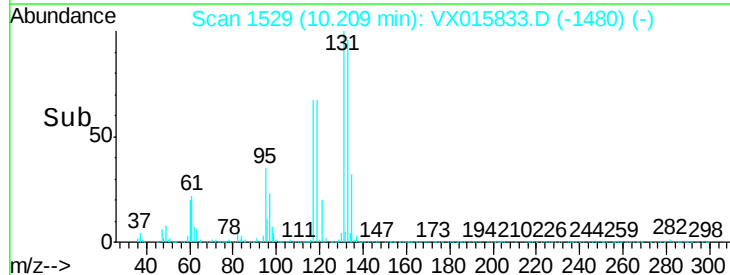
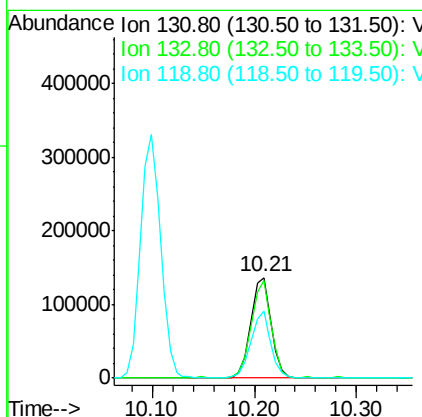
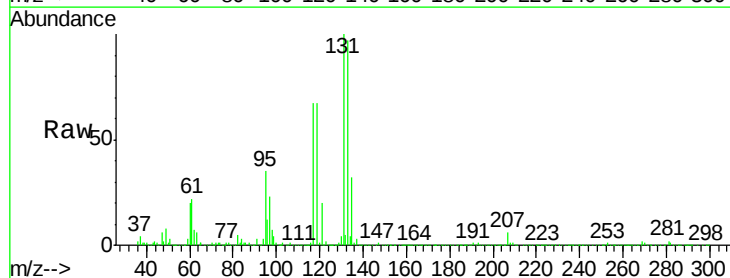
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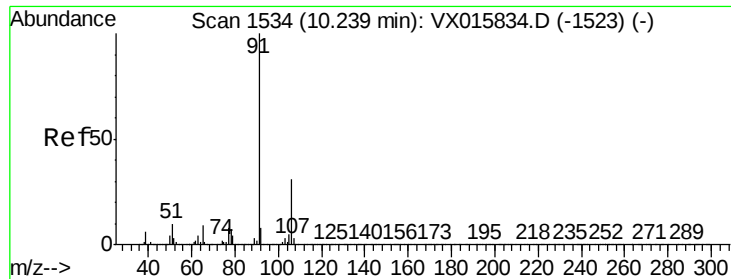
MMDadoda
4/23/2020 11:58:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.451 ug/l
RT: 10.21 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.0	141.2
119	63.3	30.9	92.8





#67

Ethyl Benzene

Concen: 18.675 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 940999

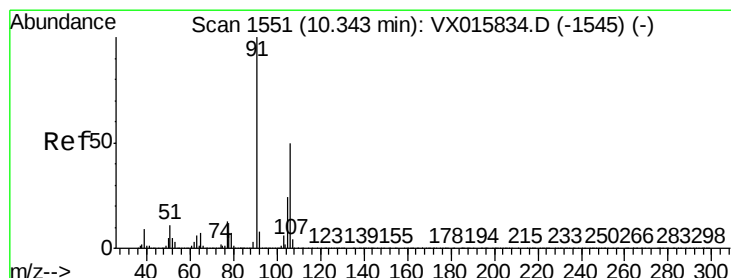
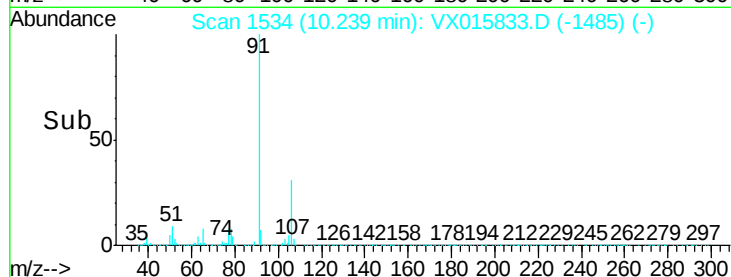
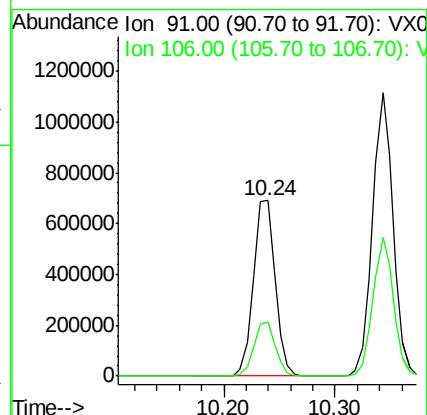
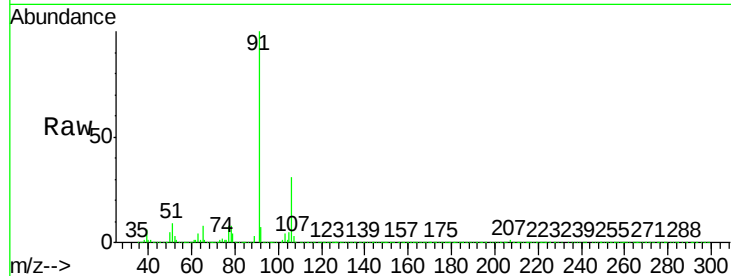
Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4

Manual Integrations
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4/23/2020 11:58:04 AM



#68

m/p-Xylenes

Concen: 37.570 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015833.D

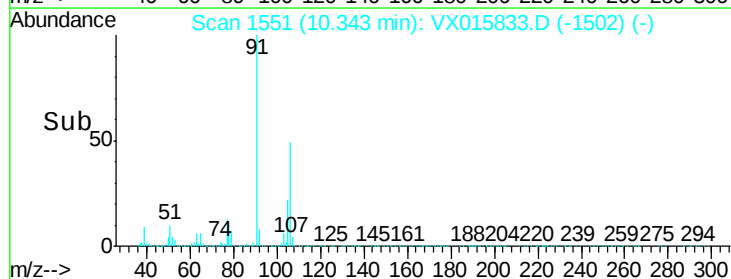
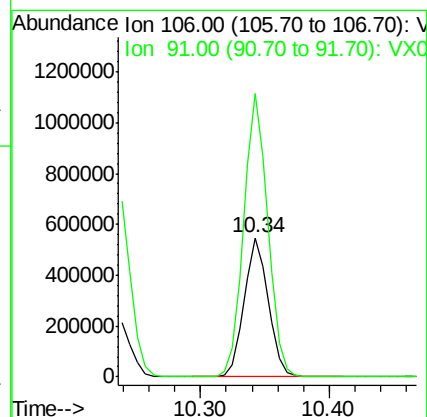
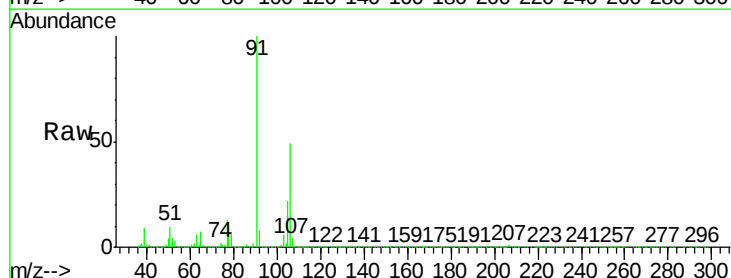
Acq: 22 Apr 2020 10:44

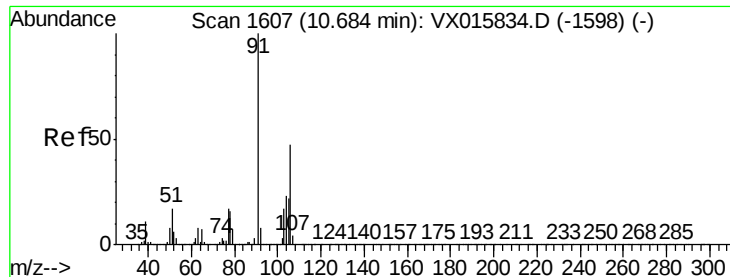
Tgt Ion: 106 Resp: 707556

Ion Ratio Lower Upper

106 100

91 203.3 161.1 241.7





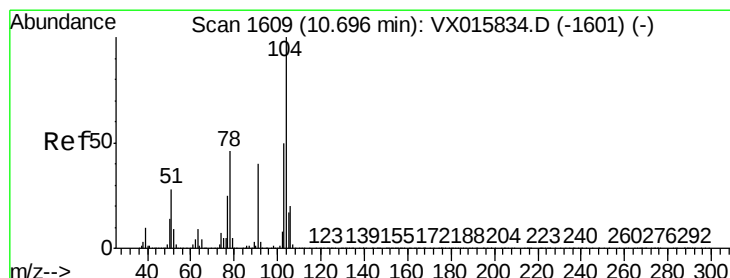
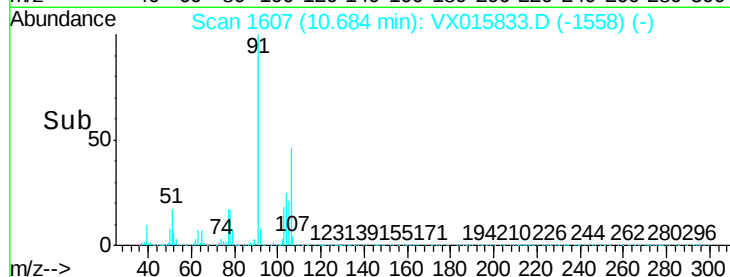
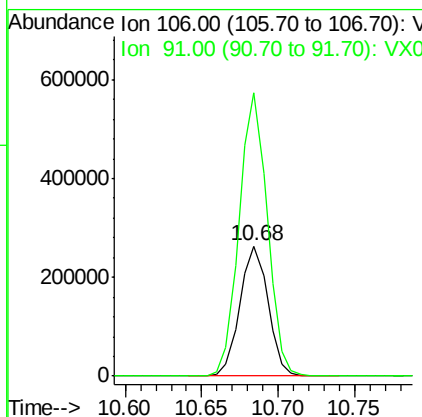
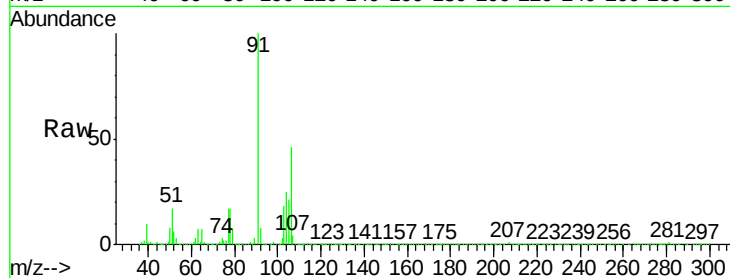
#69
o-Xylene
Concen: 18.251 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	337399		
91	216.5	107.1	321.3	

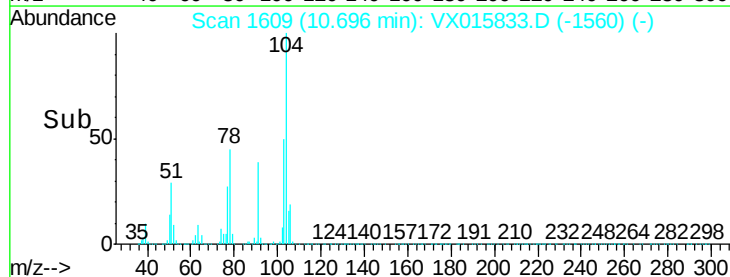
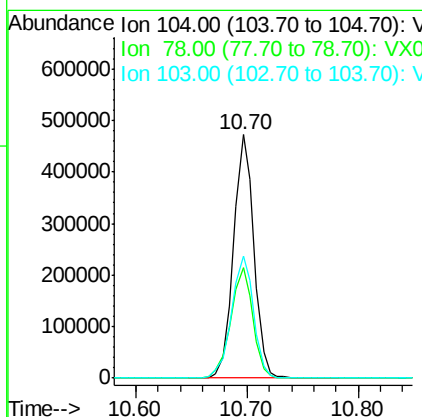
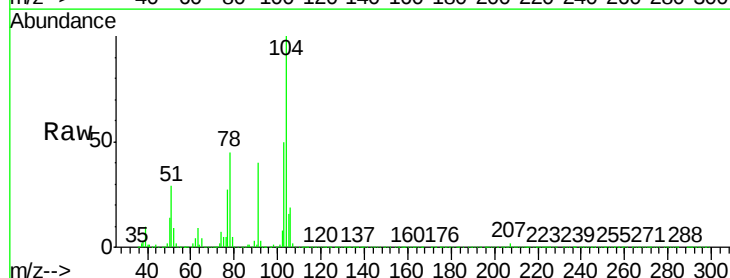
Manual Integrations
APPROVED

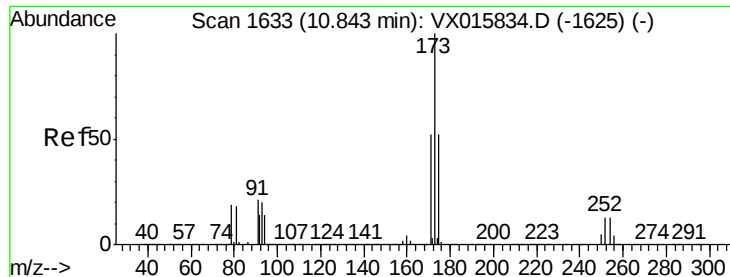
MMDadoda
4/23/2020 11:58:04 AM



#70
Styrene
Concen: 18.792 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	597191		
78	49.1	40.1	60.1	
103	54.5	43.3	64.9	





#71

Bromoform

Concen: 18.861 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 113442

Ion Ratio Lower Upper

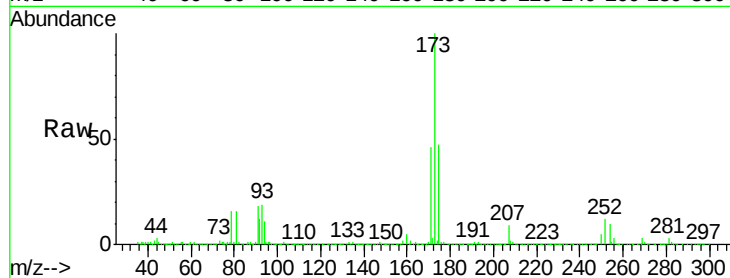
173 100

175 46.7 25.1 75.4

254 0.2 0.3 0.5#

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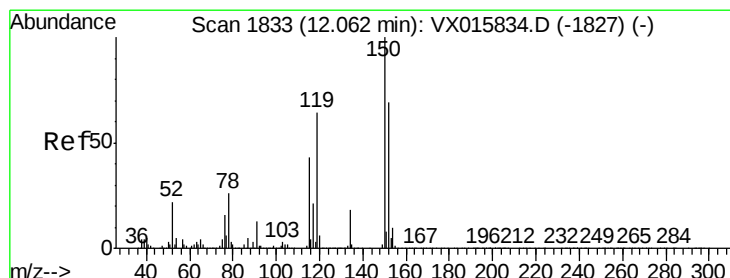
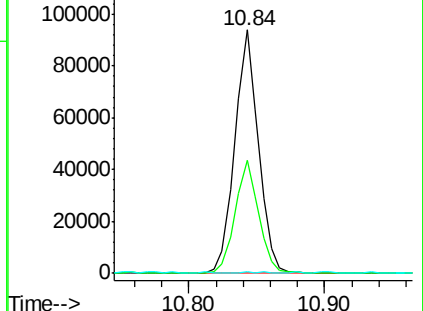
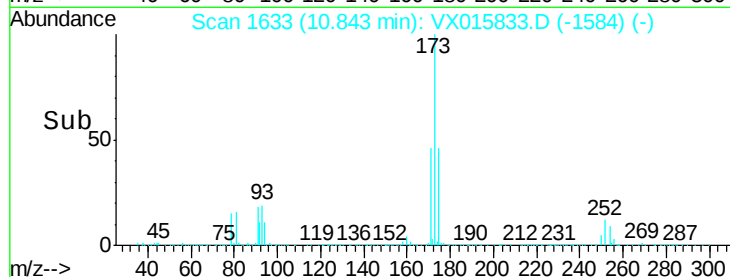
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

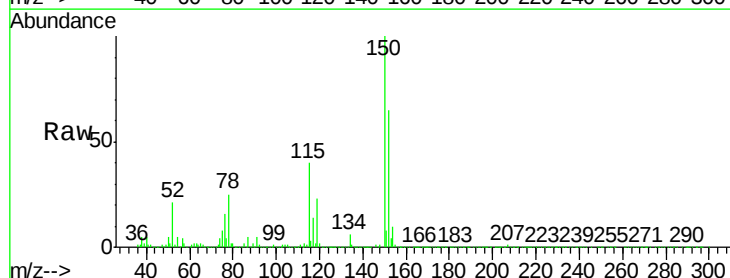
Tgt Ion:152 Resp: 753697

Ion Ratio Lower Upper

152 100

115 64.5 39.0 116.9

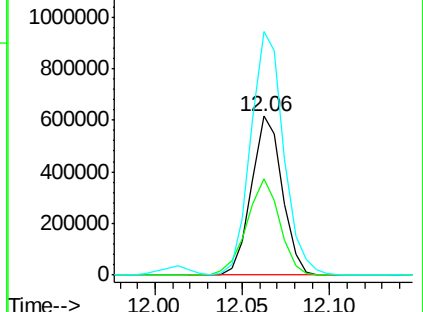
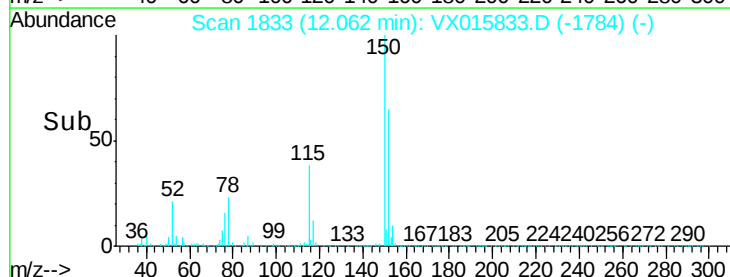
150 163.3 0.0 336.8

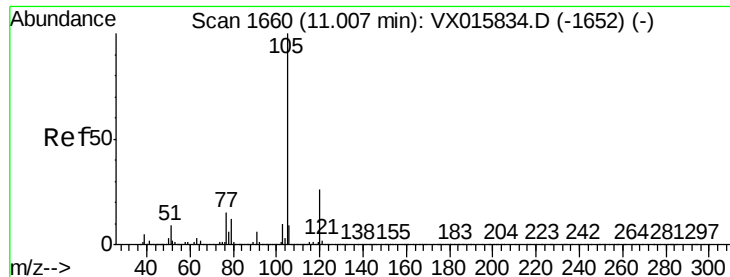


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.149 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 922584

Ion Ratio Lower Upper

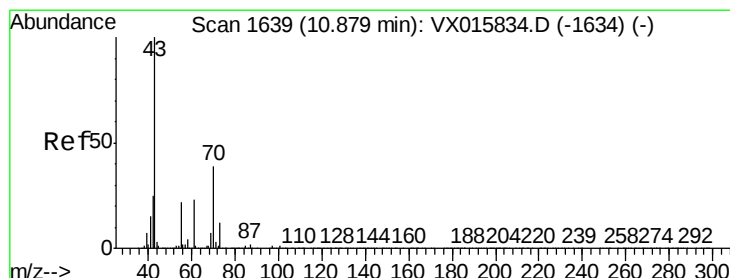
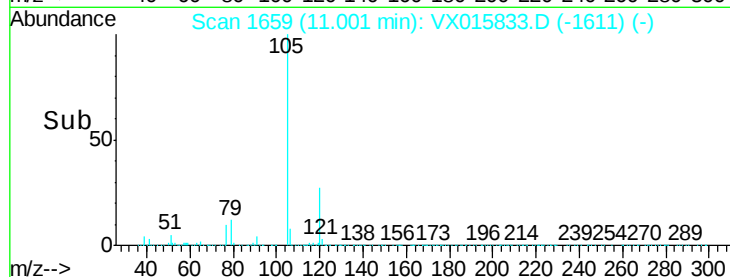
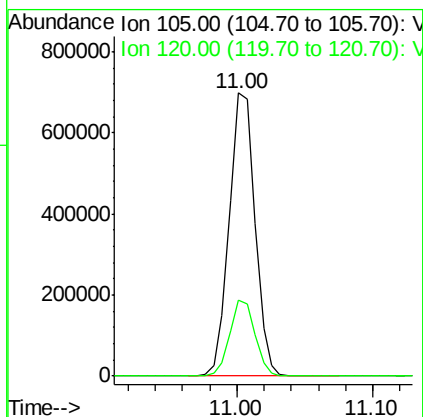
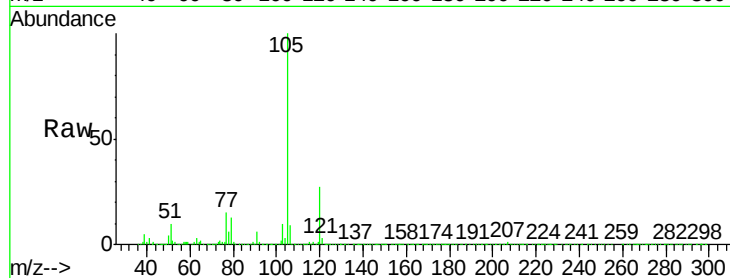
105 100

120 26.3 13.1 39.1

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4/23/2020 11:58:04 AM



#74

N-ethyl acetate

Concen: 18.546 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion: 43 Resp: 455364

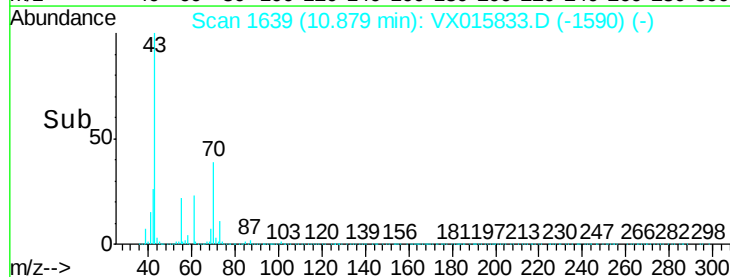
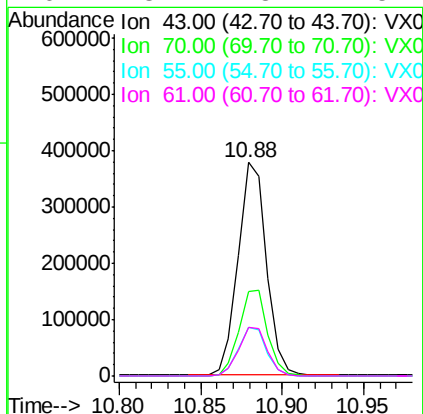
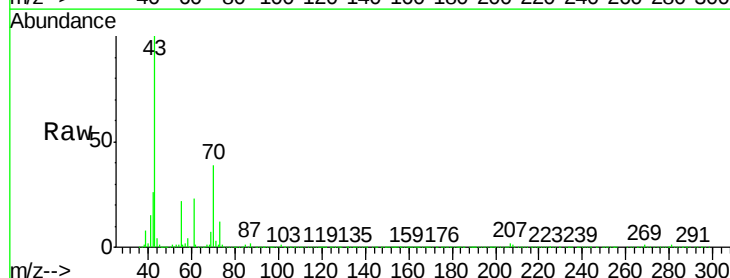
Ion Ratio Lower Upper

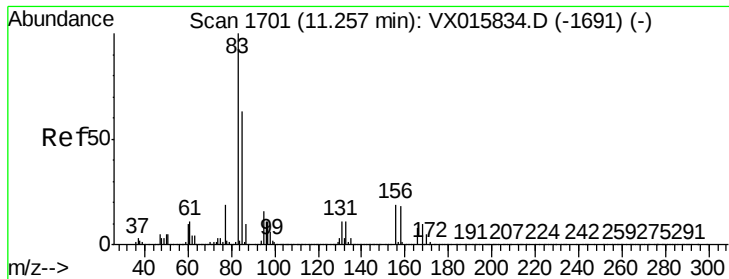
43 100

70 40.8 32.6 49.0

55 22.7 18.3 27.5

61 23.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.099 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

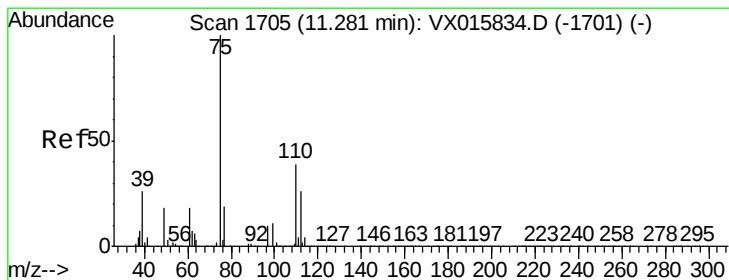
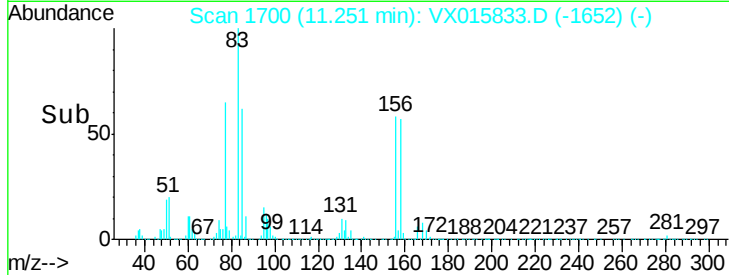
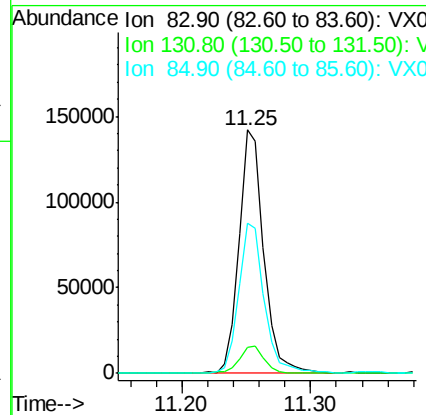
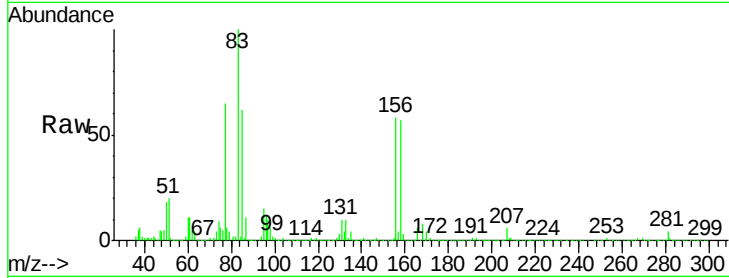
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	189619
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	63.3	32.4	97.0

Manual Integrations
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4/23/2020 11:58:04 AM



#76

1,2,3-Trichloropropane

Concen: 15.708 ug/l m

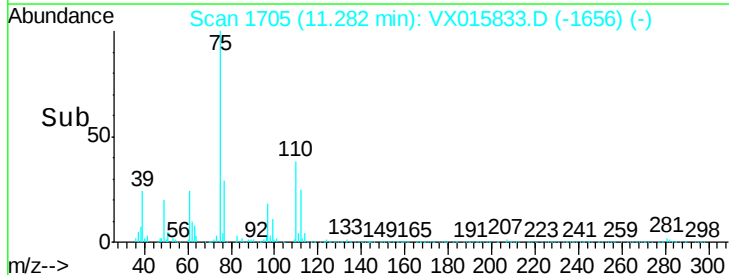
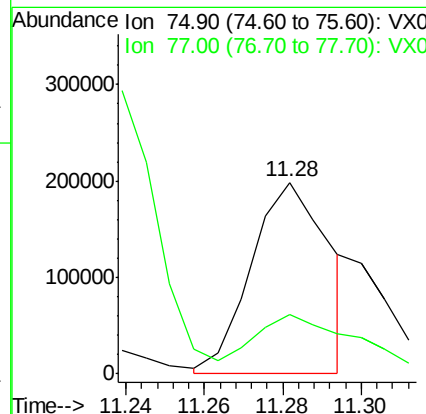
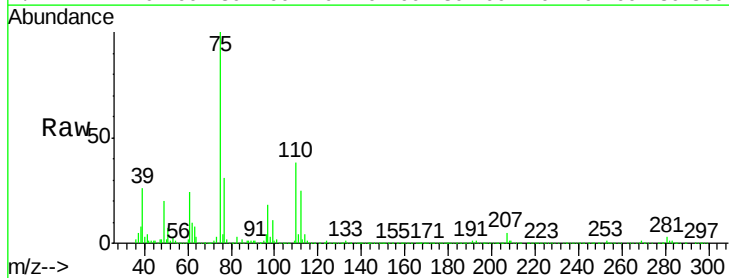
RT: 11.28 min Scan# 1705

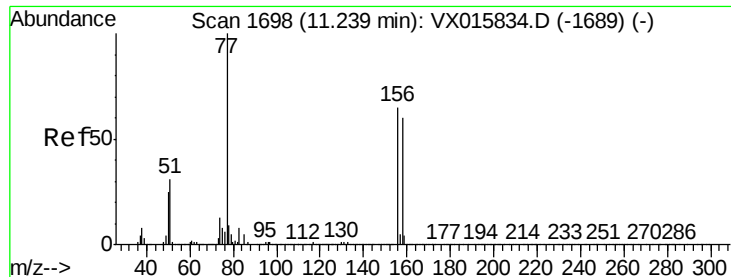
Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion:	75	Resp:	273187
Ion Ratio	Lower	Upper	
75	100		
77	41.0	21.3	63.9





#77

Bromobenzene

Concen: 18.596 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

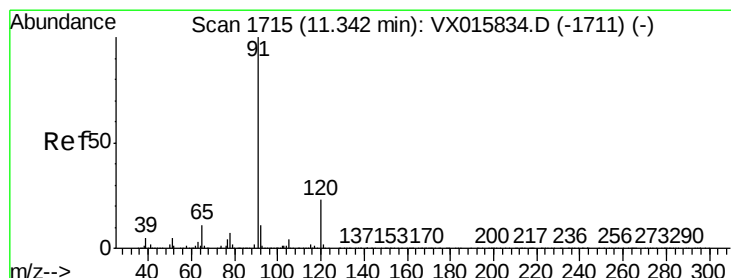
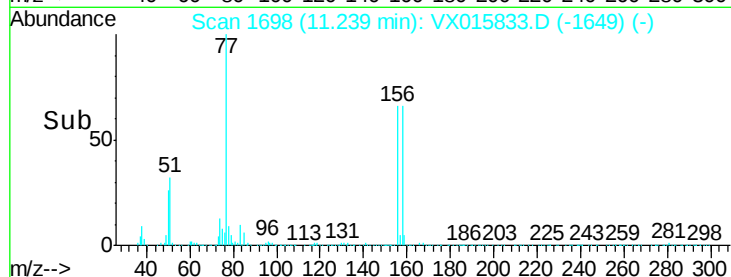
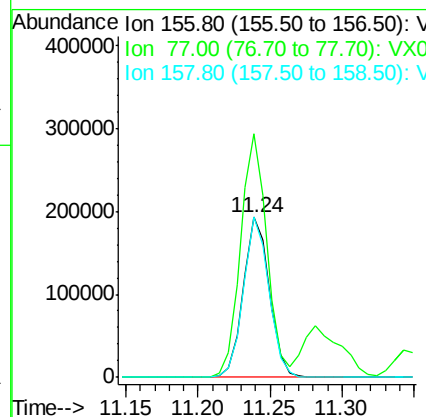
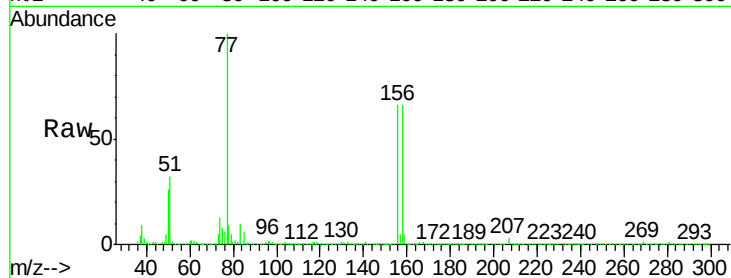
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	242826
Ion Ratio	Lower	Upper	
156	100		
77	153.1	75.2	225.6
158	97.9	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.912 ug/l

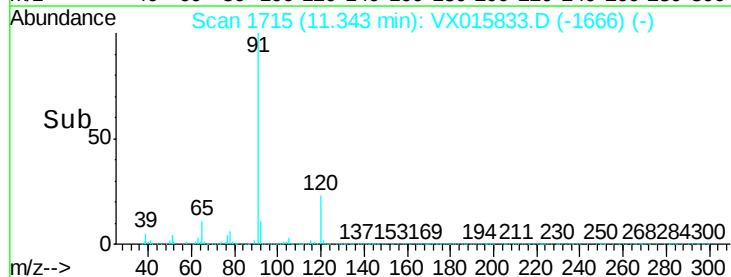
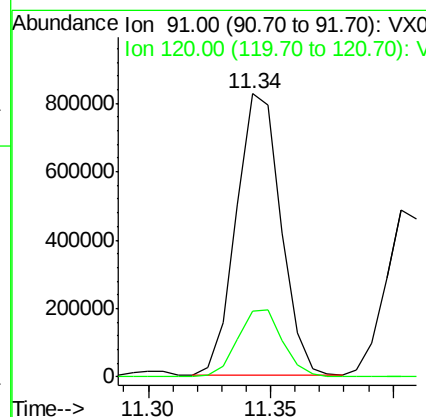
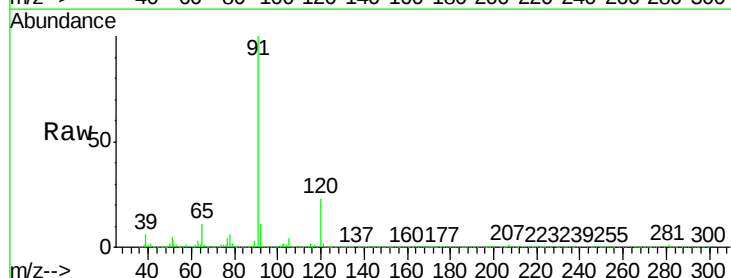
RT: 11.34 min Scan# 1715

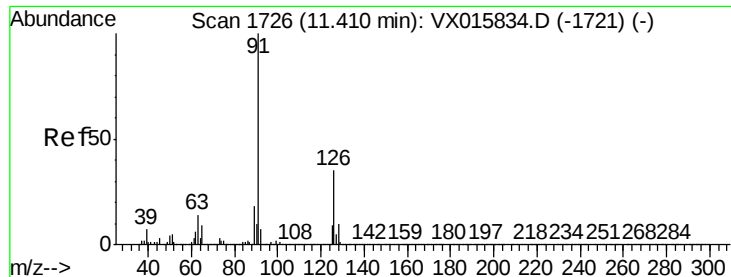
Delta R.T. 0.00 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion:	91	Resp:	1044934
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 18.842 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 619825

Ion Ratio Lower Upper

91 100

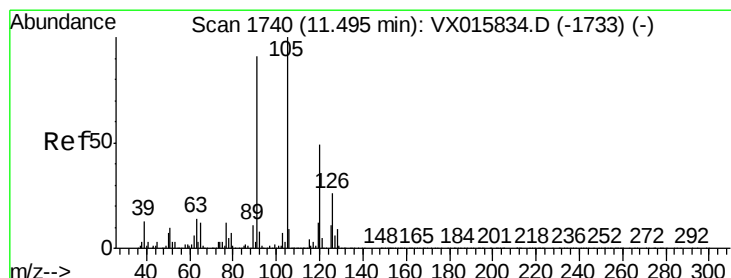
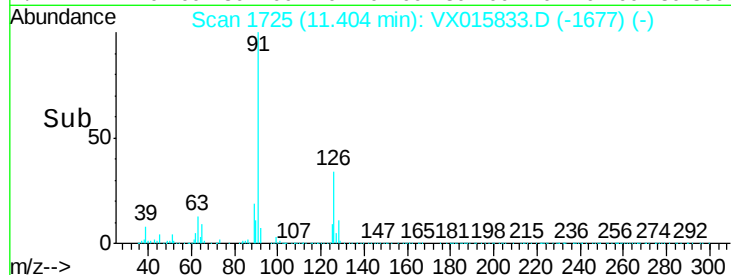
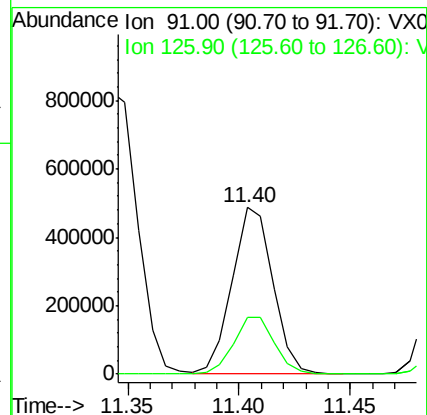
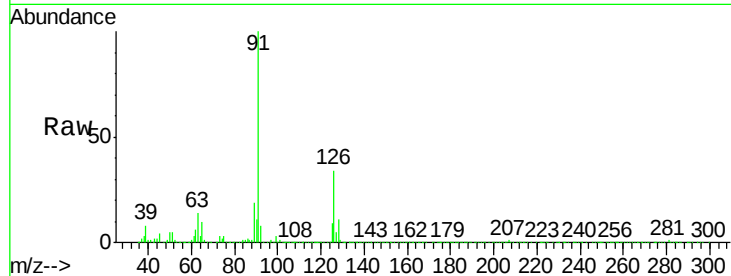
126 34.6 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.041 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015833.D

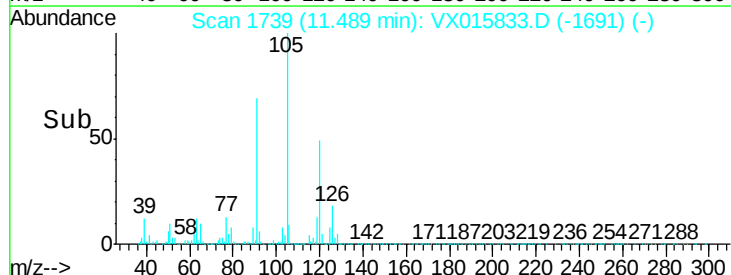
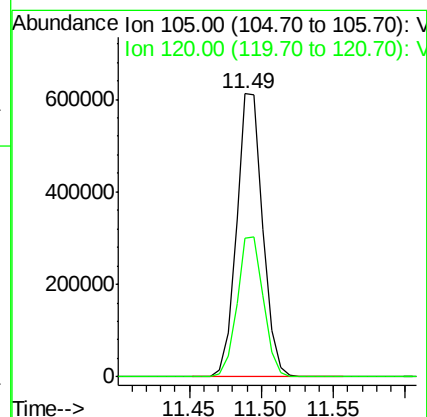
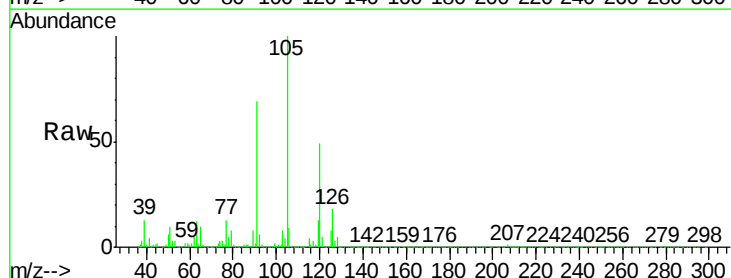
Acq: 22 Apr 2020 10:44

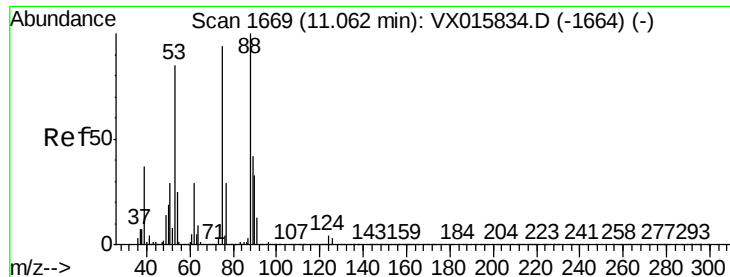
Tgt Ion: 105 Resp: 775243

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7





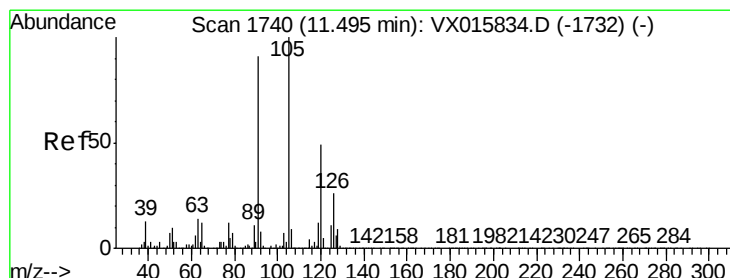
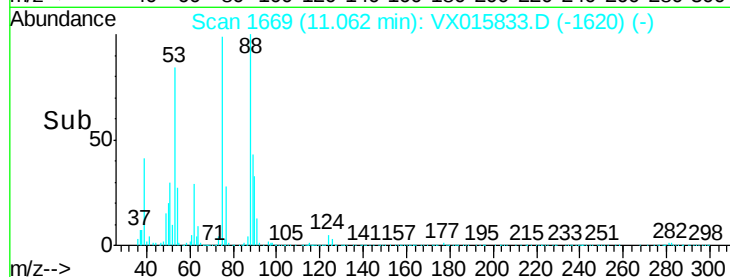
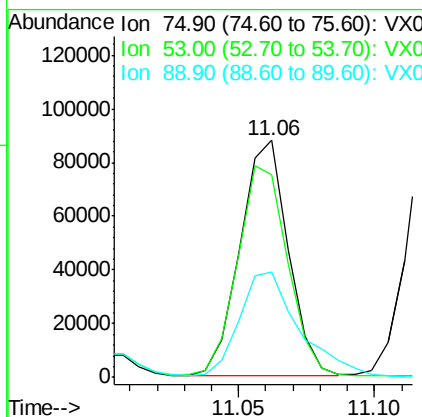
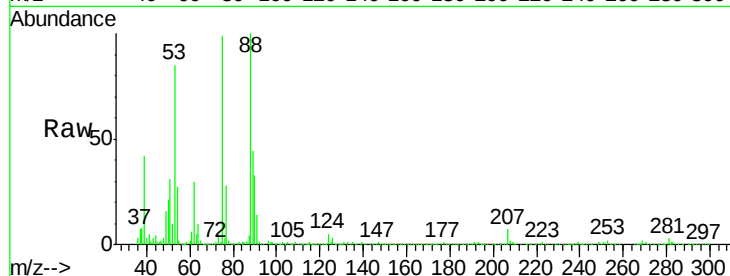
#81
trans-1,4-Dichloro-2-butene
Concen: 19.381 ug/l
RT: 11.06 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	74.2	111.2
89	56.3	38.0	57.0

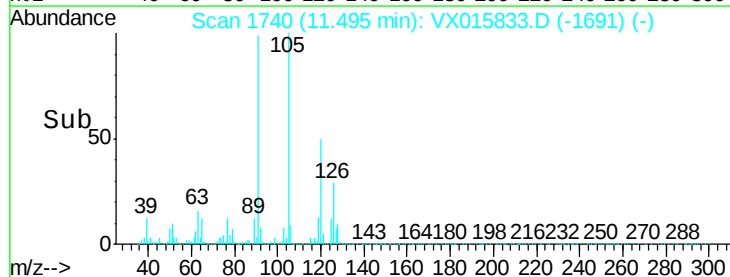
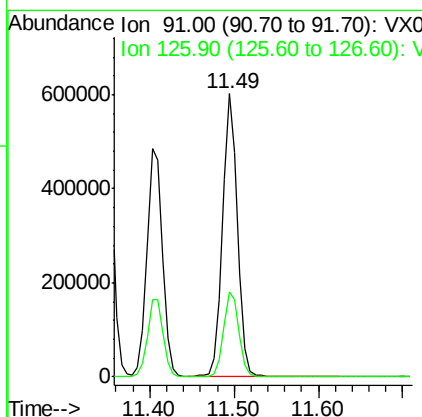
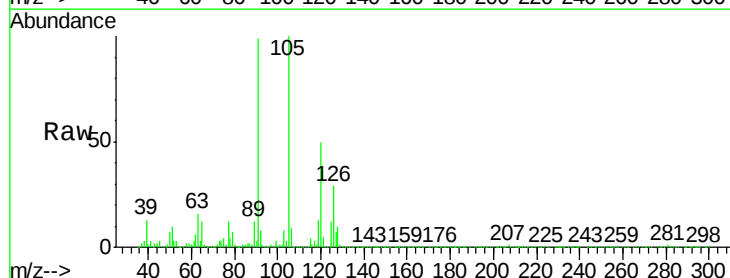
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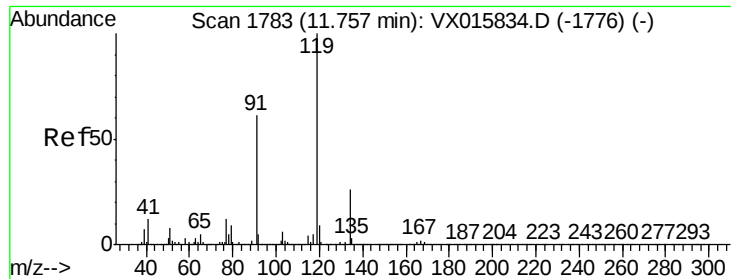
MMDadoda
4/23/2020 11:58:04 AM



#82
4-Chlorotoluene
Concen: 18.776 ug/l
RT: 11.49 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.0	45.0





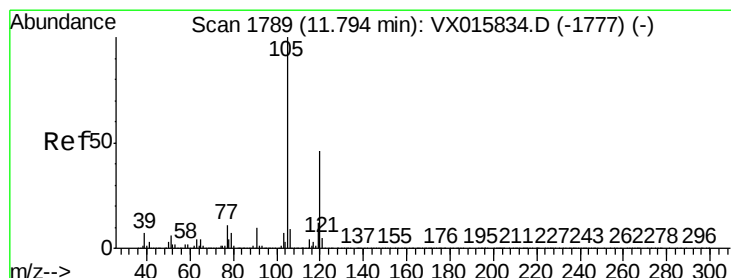
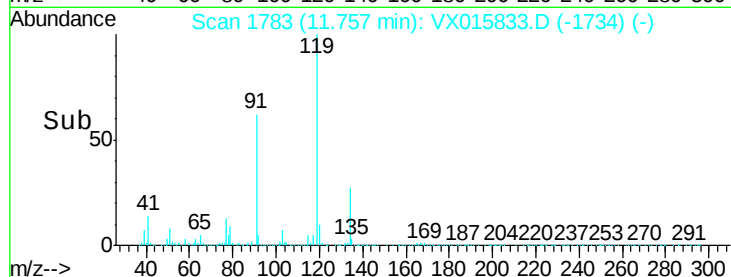
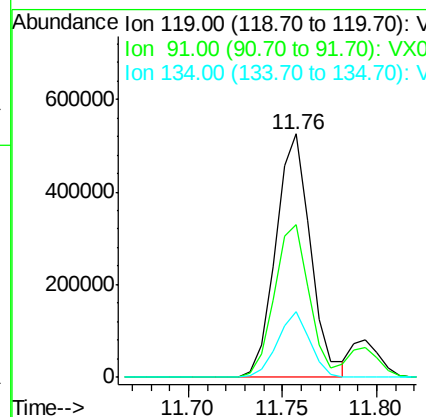
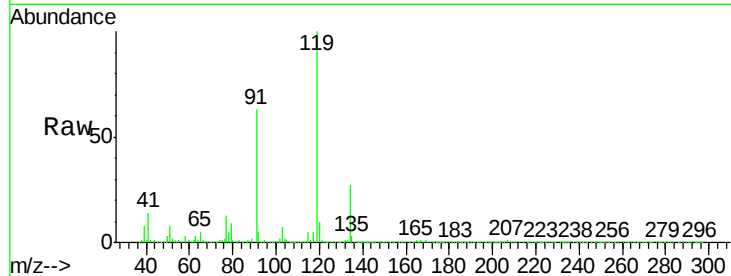
#83
tert-Butylbenzene
Concen: 18.517 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	670470		
91	62.7	30.9	92.7	
134	25.4	12.4	37.2	

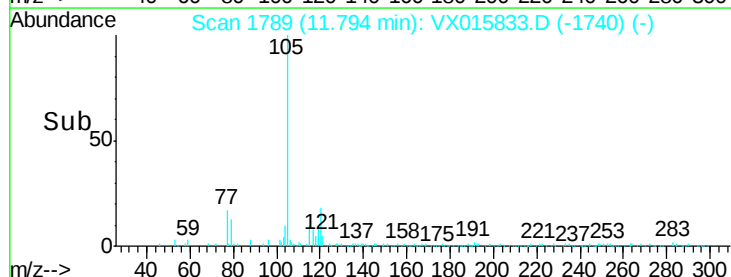
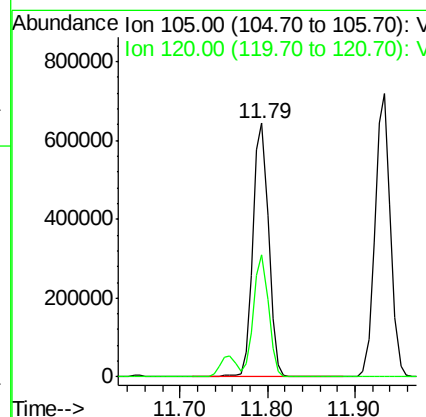
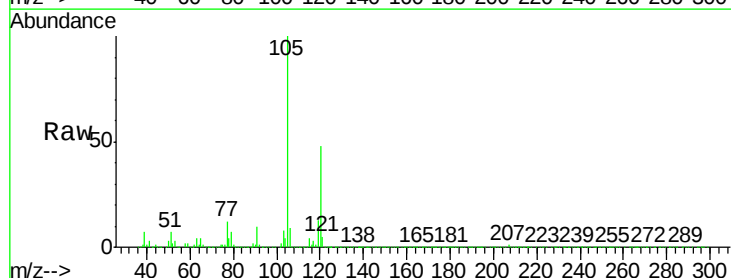
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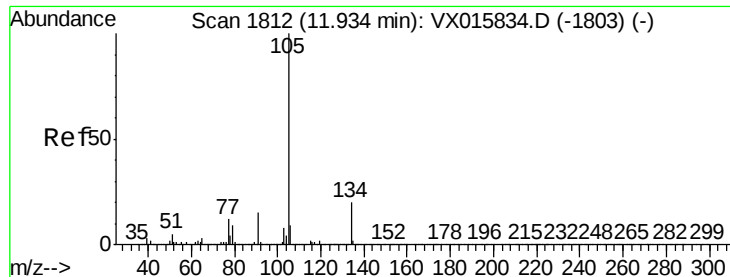
MMDadoda
4/23/2020 11:58:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.651 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	789602		
120	46.2	22.9	68.7	





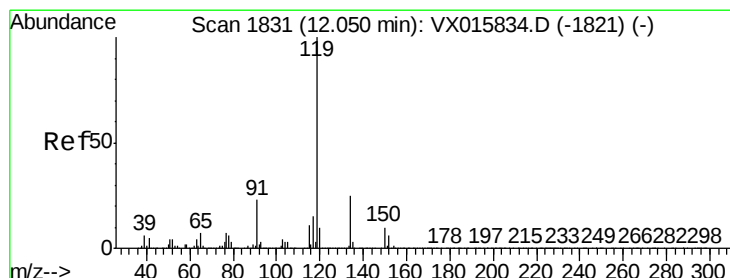
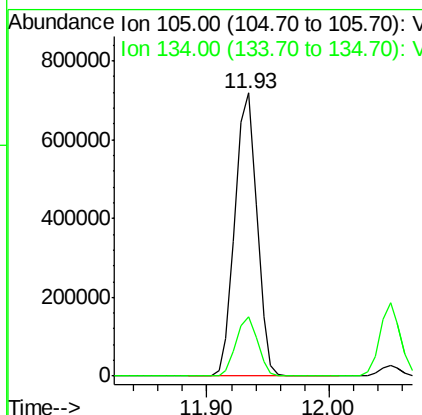
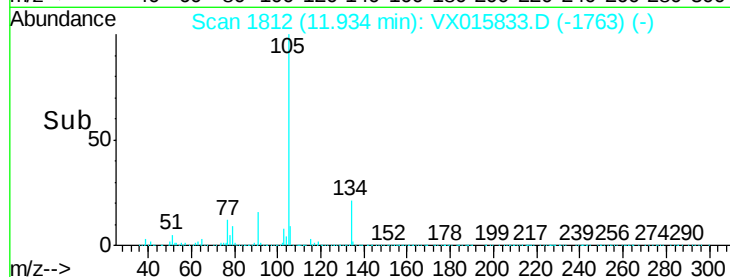
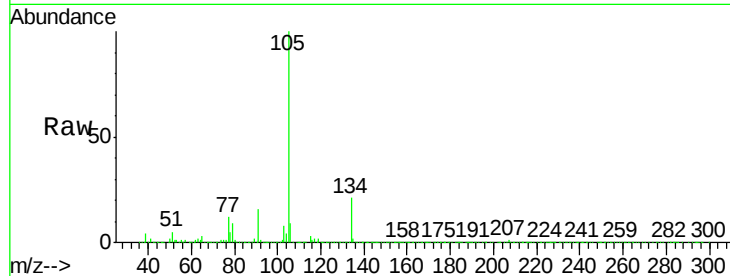
#85
 sec-Butylbenzene
 Concen: 18.684 ug/l
 RT: 11.93 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8

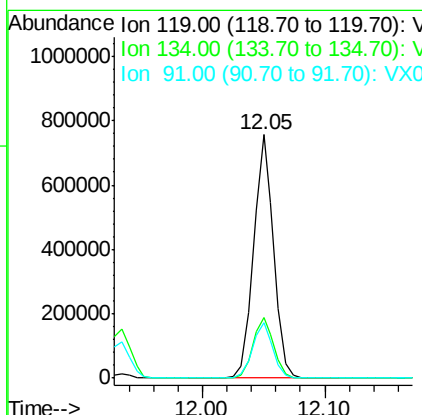
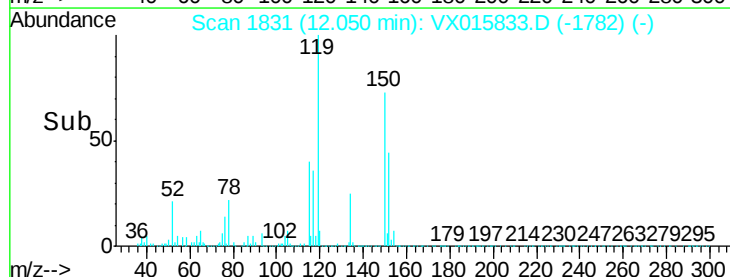
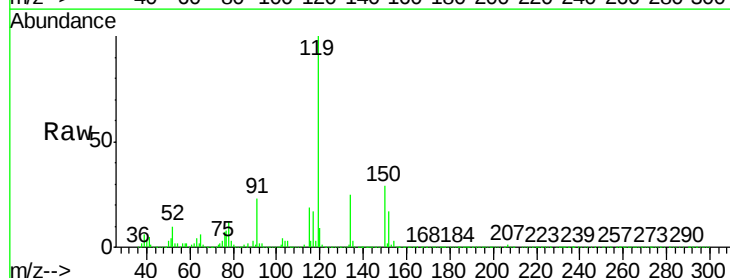
Manual Integrations
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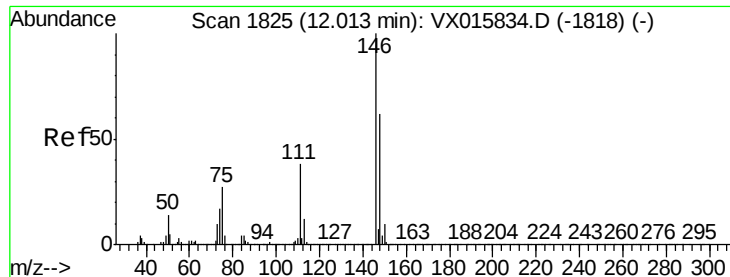
MMDadoda
 4/23/2020 11:58:04 AM



#86
 p-Isopropyltoluene
 Concen: 19.273 ug/l
 RT: 12.05 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	23.3	11.5	34.5





#87

1,3-Dichlorobenzene

Concen: 18.166 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VX015833.D

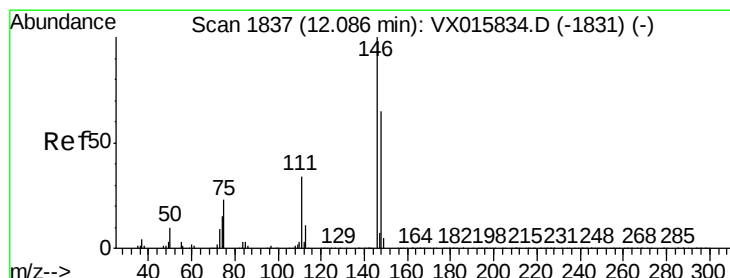
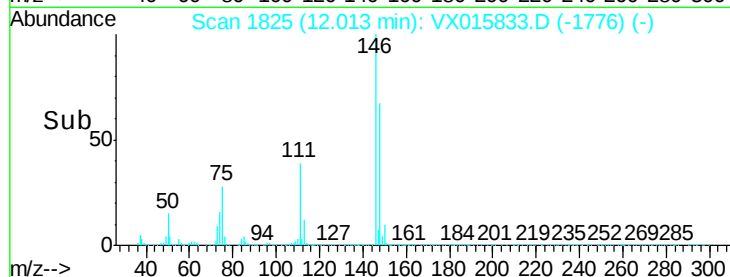
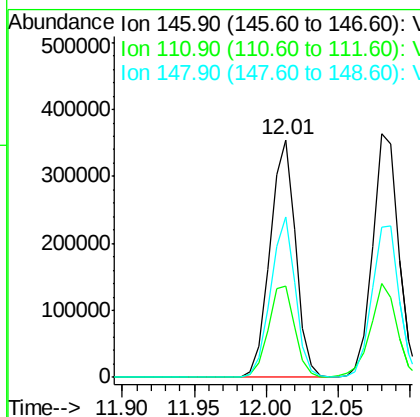
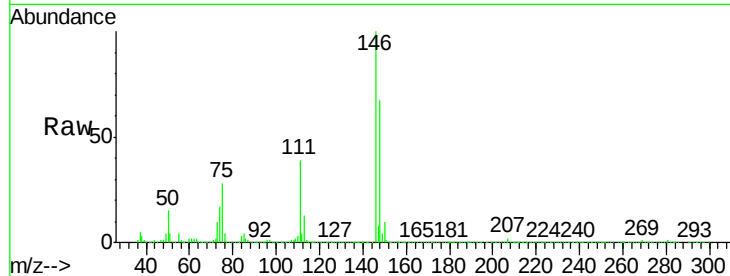
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.1
148	64.8	30.9	92.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.734 ug/l

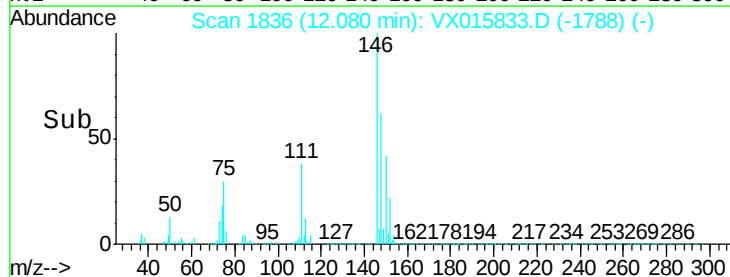
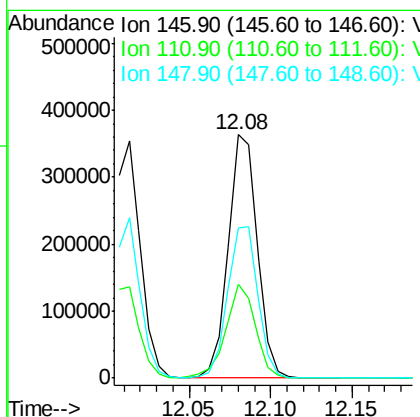
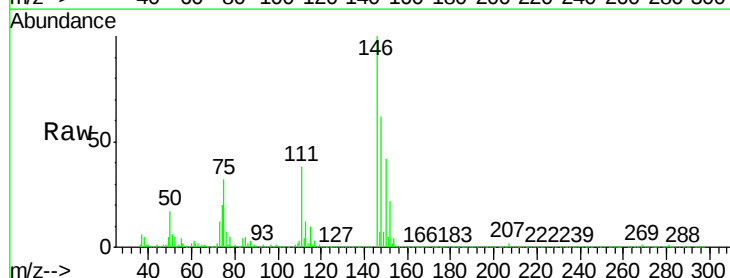
RT: 12.08 min Scan# 1836

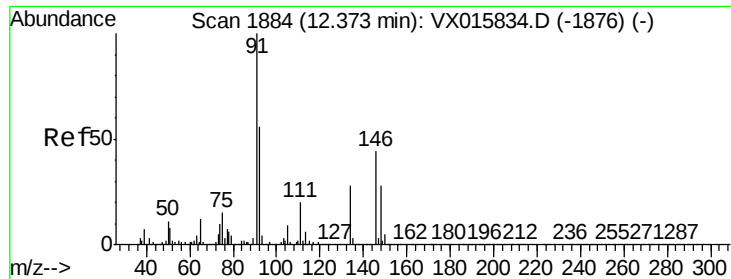
Delta R.T. -0.01 min

Lab File: VX015833.D

Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.6	33.8	101.4





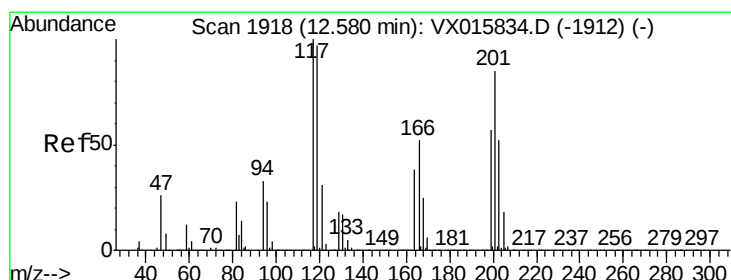
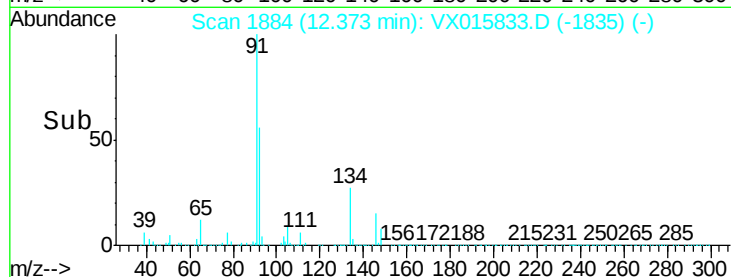
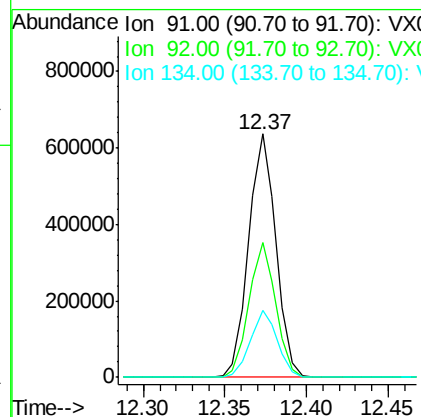
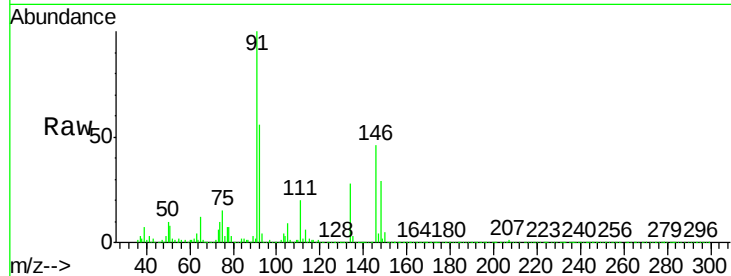
#89
n-Butylbenzene
Concen: 18.643 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.7	83.1
134	27.2	14.1	42.4

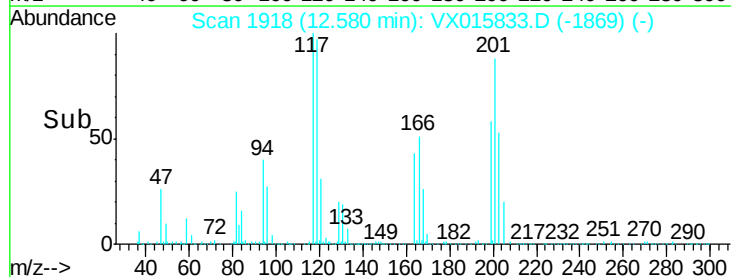
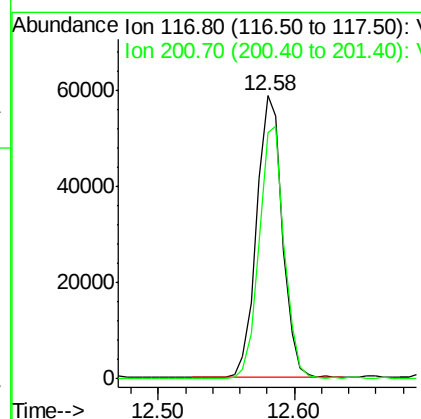
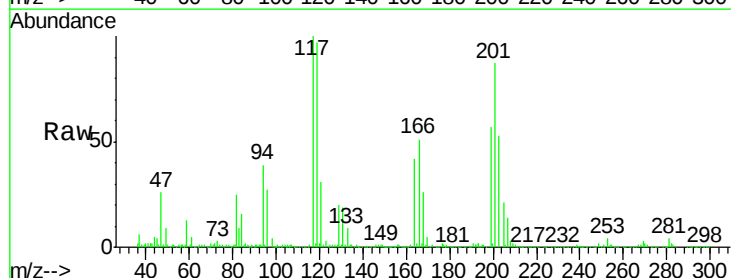
Manual Integrations
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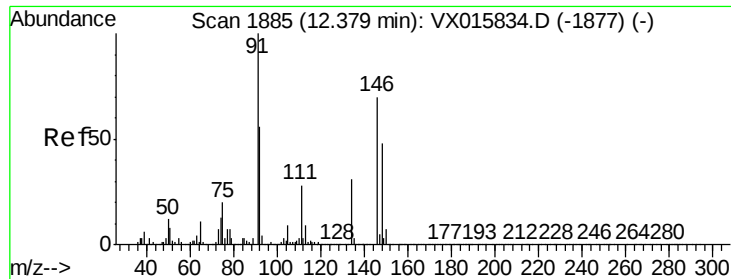
MMDadoda
4/23/2020 11:58:04 AM



#90
Hexachloroethane
Concen: 19.988 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	45.6	136.9





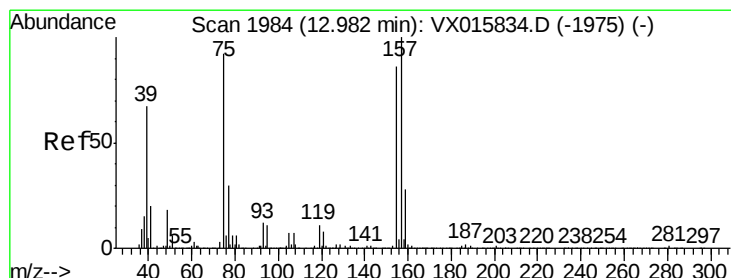
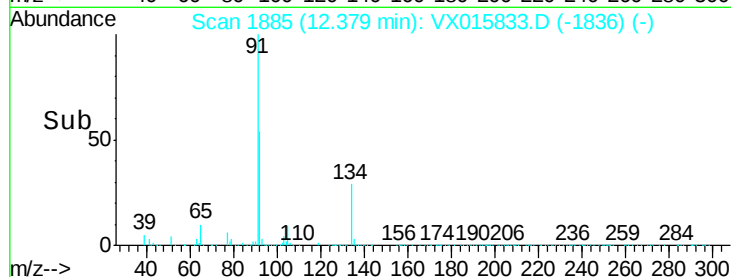
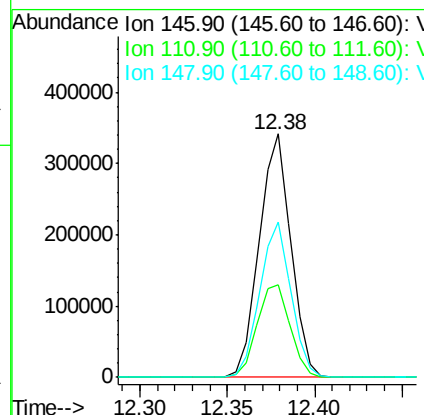
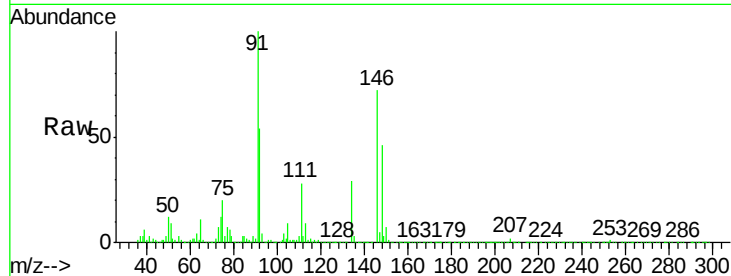
#91
 1,2-Dichlorobenzene
 Concen: 18.975 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	61.0
148	63.1	32.1	96.3

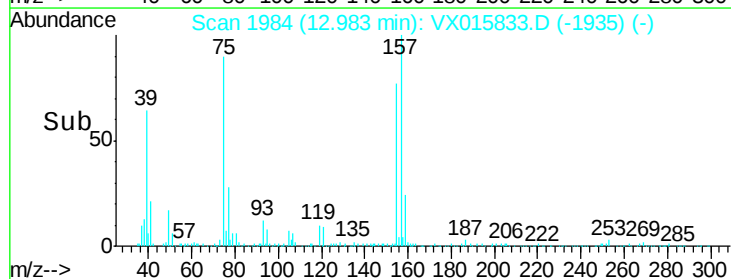
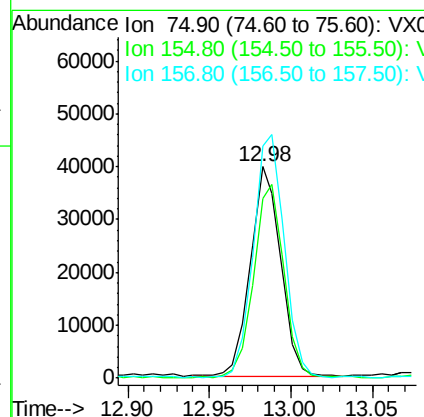
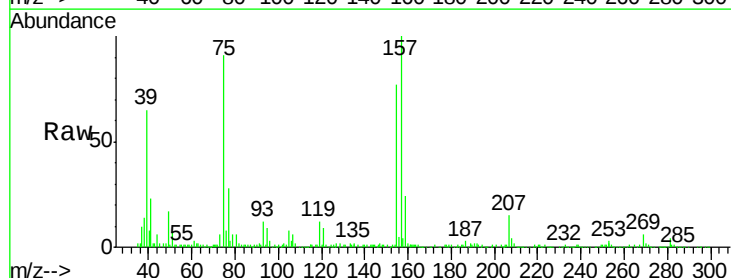
Manual Integrations
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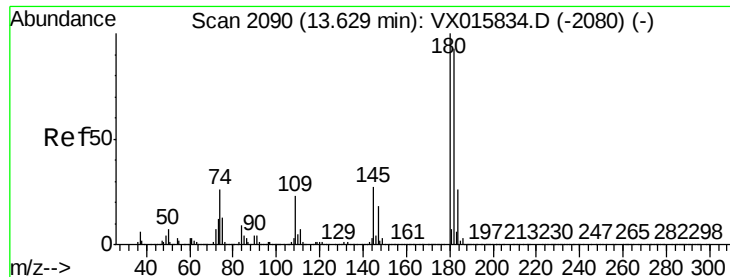
MMDadoda
 4/23/2020 11:58:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.143 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	48.1	144.4
157	117.5	58.9	176.7





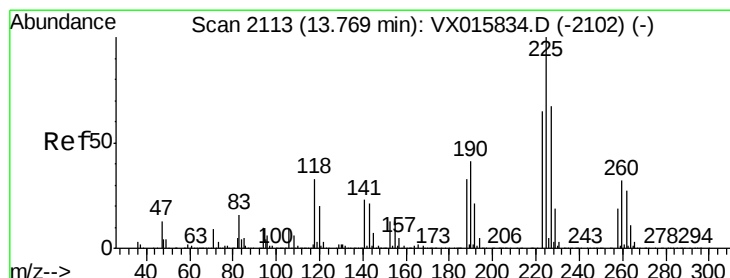
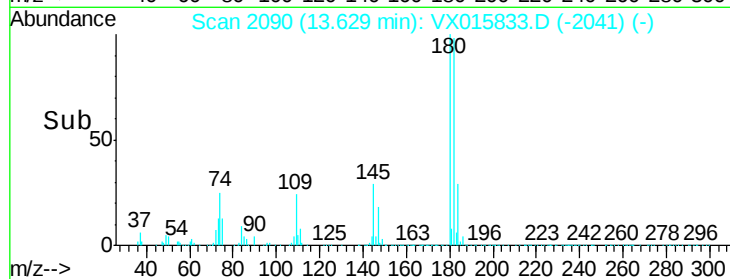
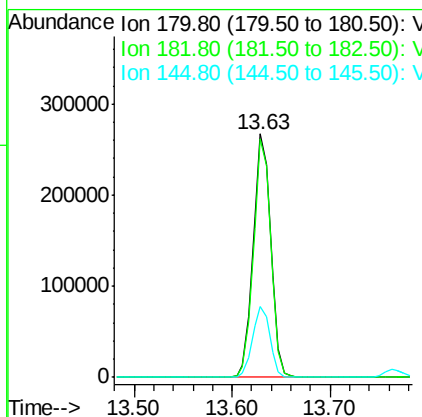
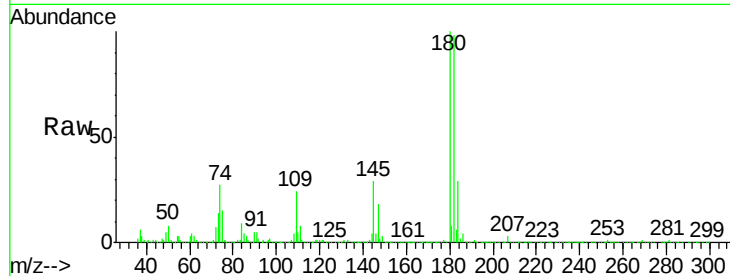
#93
 1,2,4-Trichlorobenzene
 Concen: 18.599 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	332849		
182	96.4	47.7	143.1	
145	29.2	14.5	43.5	

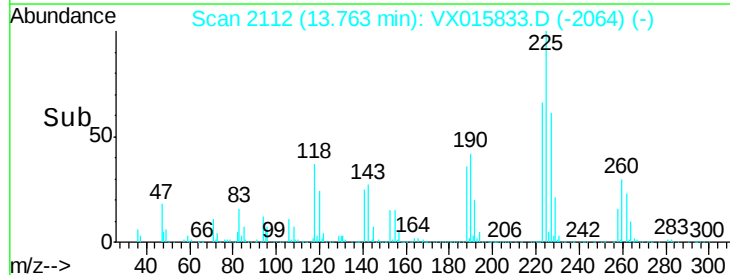
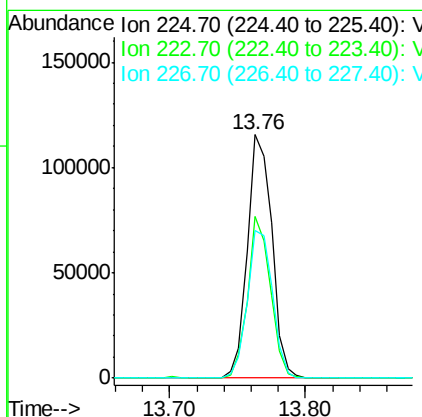
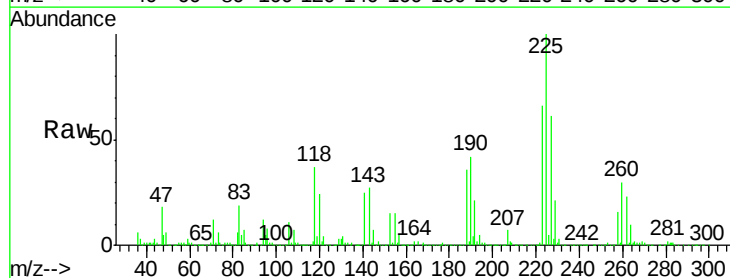
Manual Integrations
 APPROVED

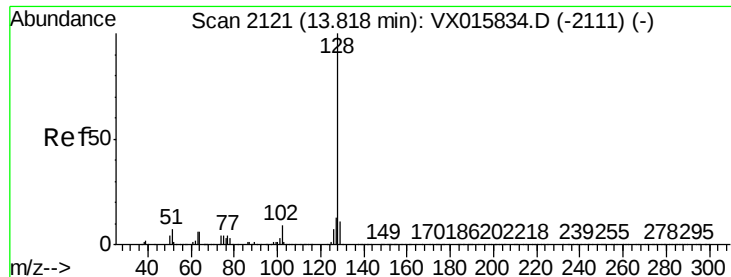
MMDadoda
 4/23/2020 11:58:04 AM



#94
 Hexachlorobutadiene
 Concen: 18.382 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015833.D
 Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146352		
223	61.0	31.3	93.8	
227	62.5	32.6	97.8	





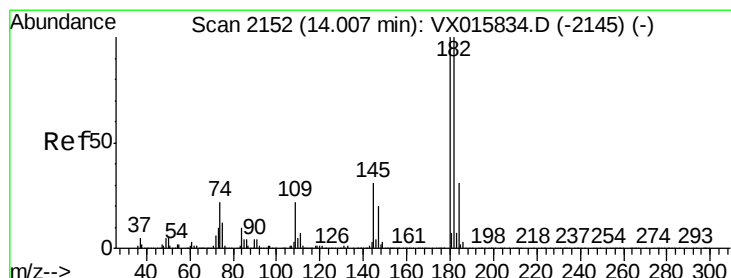
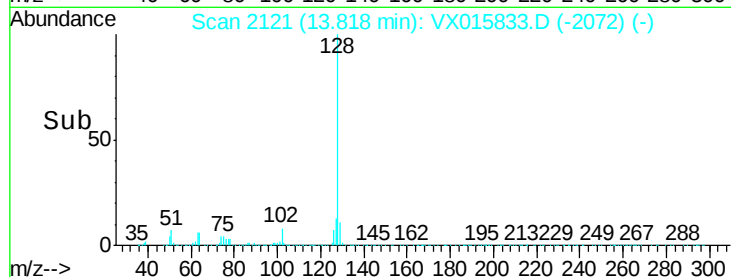
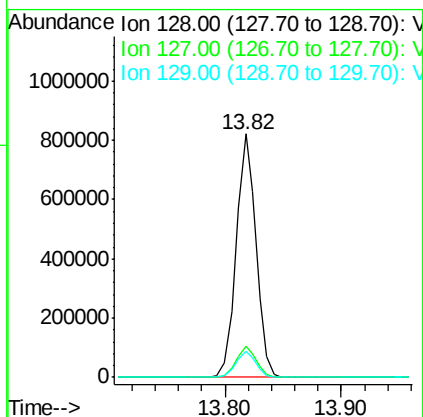
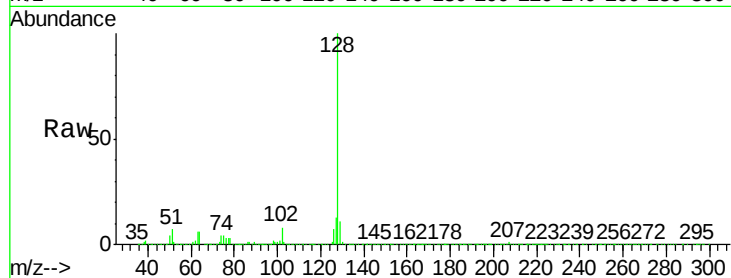
#95
Naphthalene
Concen: 18.915 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
4/23/2020 11:58:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.790 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VX015833.D
Acq: 22 Apr 2020 10:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.9	143.7
145	31.4	15.2	45.5

