

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011520\
 Data File : VX014613.D
 Acq On : 15 Jan 2020 12:20
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:42:10 AM

Quant Time: Jan 15 12:42:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:24:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	74621	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	427416	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	395252	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	158527	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	11.13	95	193295	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	8.71	98	521393	29.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	819299	161.255	ug/l 100
3) Chloromethane	1.31	50	869852	155.112	ug/l 96
4) Vinyl Chloride	1.40	62	992287	158.241	ug/l 100
5) Bromomethane	1.63	94	664345	173.106	ug/l 98
6) Chloroethane	1.70	64	528028	147.196	ug/l 98
7) Trichlorofluoromethane	1.92	101	1055379	150.437	ug/l 99
8) Diethyl Ether	2.18	74	471506	154.757	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	623725	152.351	ug/l 100
10) 1,1-Dichloroethene	2.36	96	645250	157.834	ug/l 97
11) Methyl Iodide	2.50	142	936036	174.475	ug/l 99
12) Methyl Acetate	2.76	43	1188727	161.805	ug/l 99
13) Acrolein	2.28	56	578312	734.825	ug/l 99
14) Acrylonitrile	3.13	53	2009153	796.646	ug/l 100
15) Acetone	2.44	58	658091	773.631	ug/l 91
16) Carbon Disulfide	2.56	76	1826014	163.943	ug/l 98
17) Allyl chloride	2.72	41	1196552	158.233	ug/l 99
18) Methylene Chloride	2.84	84	722014	149.181	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	690035	156.523	ug/l 98
20) Diisopropyl ether	3.84	45	2321980	154.418	ug/l 96
21) 1,1-Dichloroethane	3.69	63	1255724	153.540	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	795287	157.108	ug/l 98
23) tert-Butyl Alcohol	3.05	59	803179	763.293	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	2134082	156.600	ug/l 100
25) Chloroform	5.20	83	1206860	152.028	ug/l 97
26) Cyclohexane	5.57	56	1186566	158.279	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	948881	151.722	ug/l 99
30) 2-Butanone	4.66	43	2982203	751.293	ug/l 98
31) 2,2-Dichloropropane	4.58	77	1011748	151.060	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	1036731	149.370	ug/l 99
33) Carbon Tetrachloride	5.78	117	907667	153.080	ug/l 98
34) Benzene	6.14	78	2871437	147.809	ug/l 98
35) Methacrylonitrile	5.03	41	608363	154.279	ug/l 95
36) 1,2-Dichloroethane	6.18	62	970757	142.589	ug/l 99
37) Trichloroethene	7.21	130	791039	148.940	ug/l 97
38) Methylcyclohexane	7.46	83	1206481	155.774	ug/l 99
39) 1,2-Dichloropropane	7.51	63	750944	148.863	ug/l 92
40) Dibromomethane	7.65	93	486972	150.546	ug/l 99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	979262	155.643	ug/l	100
42) Vinyl Acetate	3.80	43	9094243	741.352	ug/l	100
43) Ethyl Acetate	4.82	43	1091275	152.276	ug/l	100
44) Isopropyl Acetate	6.43	43	1820004	158.792	ug/l	99
45) 1,4-Dioxane	7.73	88	327196	2779.297	ug/l	98
46) Methyl methacrylate	7.76	41	907572	161.621	ug/l	99
47) n-amyl Acetate	10.89	43	1649427	175.542	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	1144145	169.651	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	1231630	160.055	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	731053	148.026	ug/l	99
51) Ethyl methacrylate	9.17	69	1248923	166.406	ug/l	97
52) 1,3-Dichloropropane	9.37	76	1248240	149.463	ug/l	99
53) Dibromochloromethane	9.58	129	803325	161.995	ug/l	99
54) 1,2-Dibromoethane	9.67	107	774273	151.962	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	2644751	750.430	ug/l	100
56) Bromoform	10.85	173	653790	173.820	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	5586264	750.643	ug/l	98
59) 2-Hexanone	9.49	43	4424165	773.334	ug/l	99
61) Tetrachloroethene	9.33	164	866622	147.934	ug/l	96
62) Toluene	8.78	91	3079686	146.096	ug/l	99
64) Chlorobenzene	10.14	112	1972621	150.861	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	733373	152.111	ug/l	99
66) Ethyl Benzene	10.25	91	3479403	152.927	ug/l	98
67) m/p-Xylenes	10.35	106	2701390	311.039	ug/l	97
68) o-Xylene	10.70	106	1309549	154.669	ug/l	100
69) Styrene	10.71	104	2298374	161.711	ug/l	99
70) Isopropylbenzene	11.01	105	3407357	153.345	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	1160694	155.520	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	938356m	144.924	ug/l	
73) Bromobenzene	11.25	156	905355	153.797	ug/l	100
74) n-propylbenzene	11.35	91	3945059	155.901	ug/l	97
75) 2-Chlorotoluene	11.42	91	2303198	150.854	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	2906665	157.947	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	437501	185.015	ug/l	87
78) 4-Chlorotoluene	11.51	91	2687305	156.057	ug/l	97
79) tert-butylbenzene	11.76	119	2697423	156.313	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	2879254	156.584	ug/l	99
81) sec-Butylbenzene	11.94	105	3363265	157.818	ug/l	98
82) p-Isopropyltoluene	12.06	119	3113548	160.631	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	1621128	158.755	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	1600035	157.858	ug/l	99
85) n-Butylbenzene	12.39	91	2854454	170.493	ug/l	99
86) Hexachloroethane	12.59	117	587263	171.331	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	1611609	155.806	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	260306	165.415	ug/l	93
89) 1,2,4-Trichlorobenzene	13.64	180	1149808	172.025	ug/l	99
90) Hexachlorobutadiene	13.78	225	538105	158.241	ug/l	98
91) Naphthalene	13.83	128	3436440	169.839	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	1134057	165.220	ug/l	100

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VSTDICC150

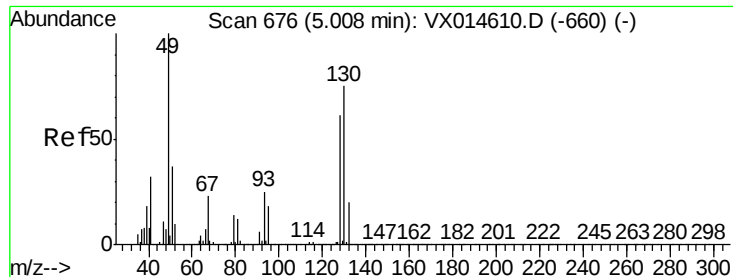
Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:42:10 AM

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Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

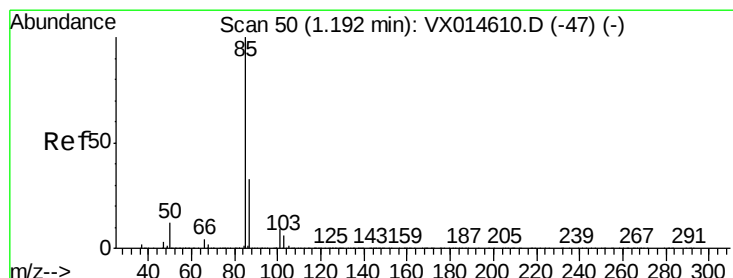
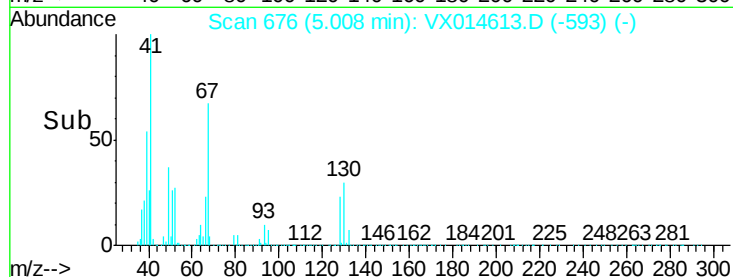
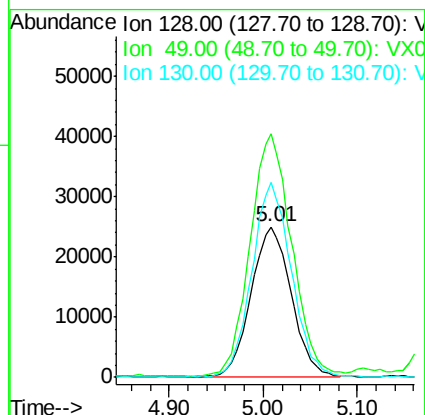
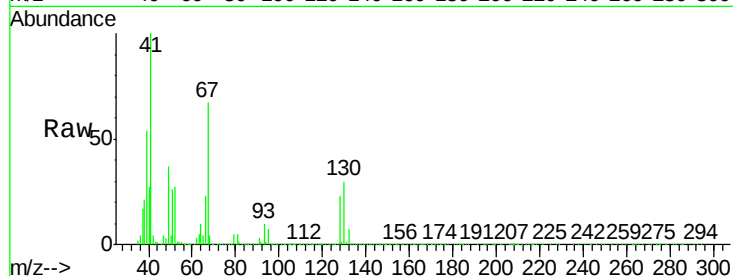
ClientSampleId :

VSTDICC150

Tot Ion:	128	Resp:	74621
Ion	Ratio	Lower	Upper
128	100		
49	169.1	0.0	405.0
130	126.4	0.0	321.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 161.255 ug/l

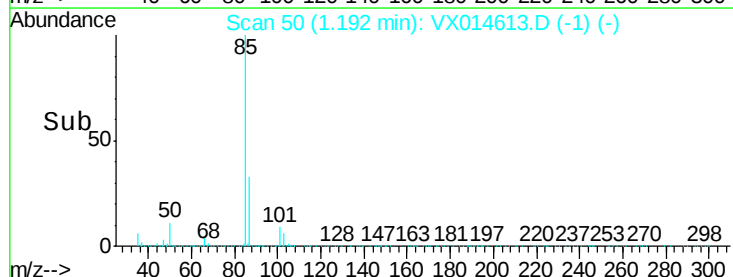
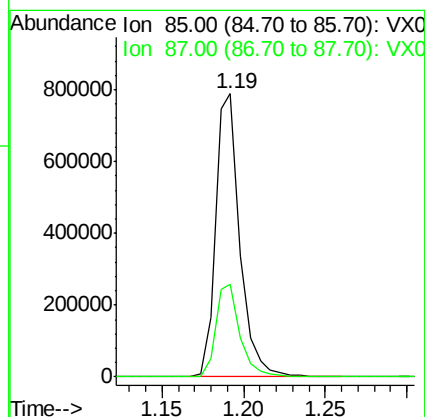
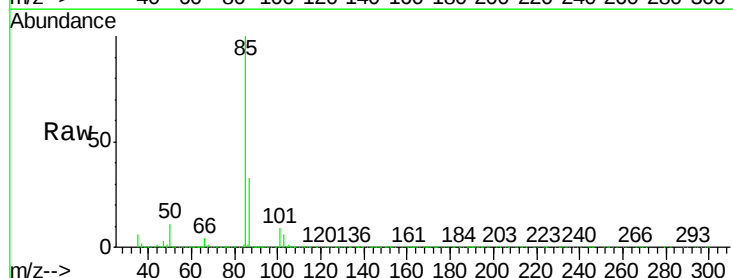
RT: 1.19 min Scan# 50

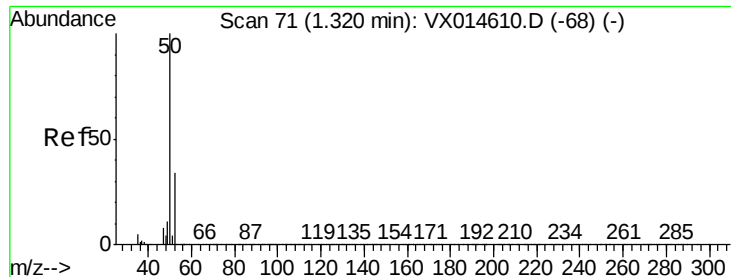
Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Tgt Ion:	85	Resp:	819299
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.3	48.9





#3

Chloromethane

Concen: 155.112 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 869852

Ion Ratio Lower Upper

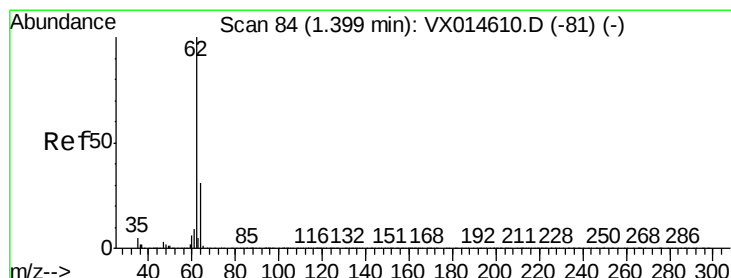
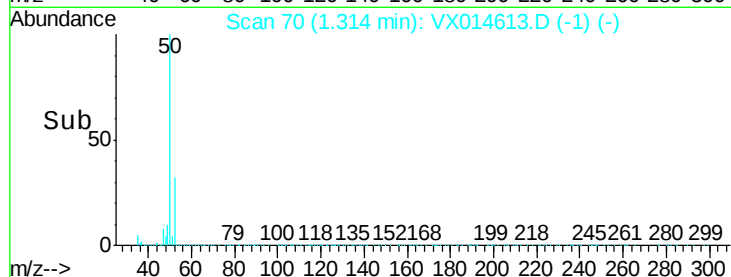
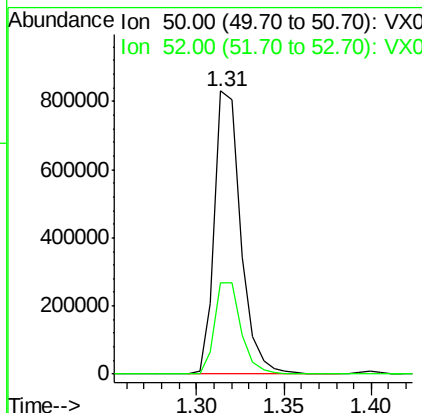
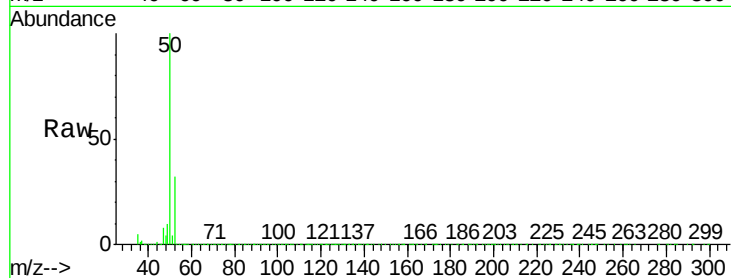
50 100

52 32.4 24.3 36.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 158.241 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014613.D

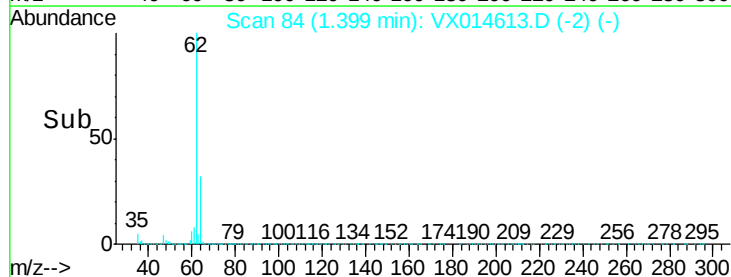
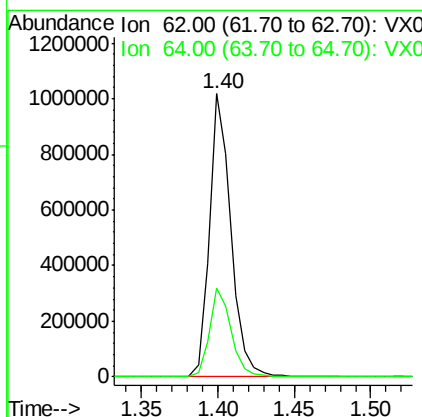
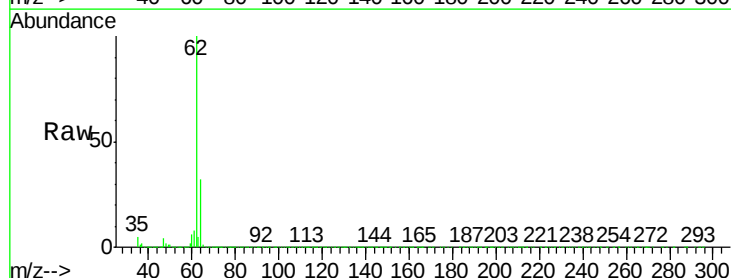
Acq: 15 Jan 2020 12:20

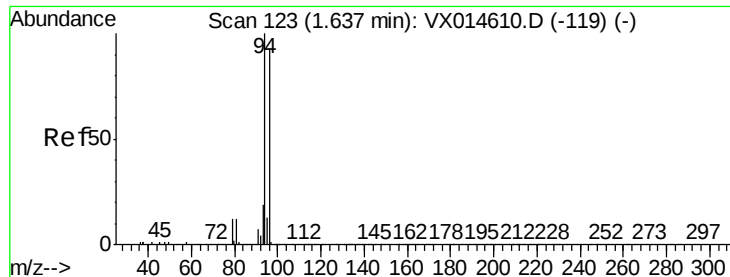
Tgt Ion: 62 Resp: 992287

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 173.106 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 664345

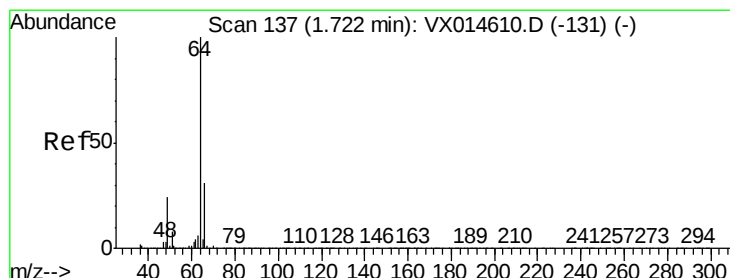
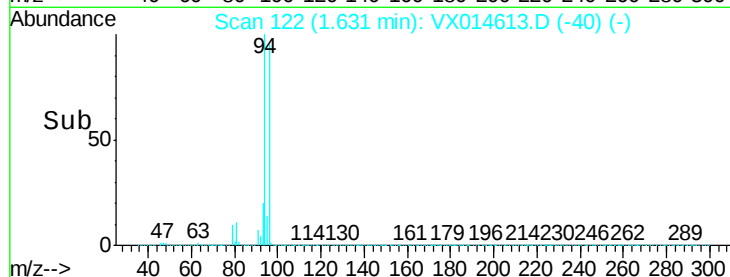
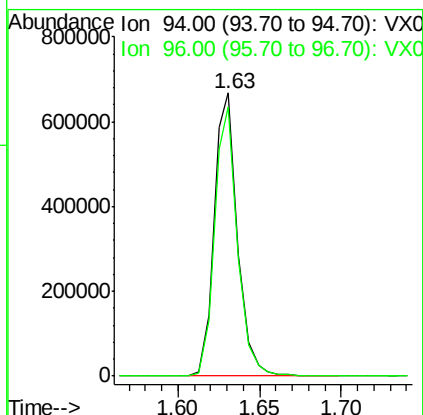
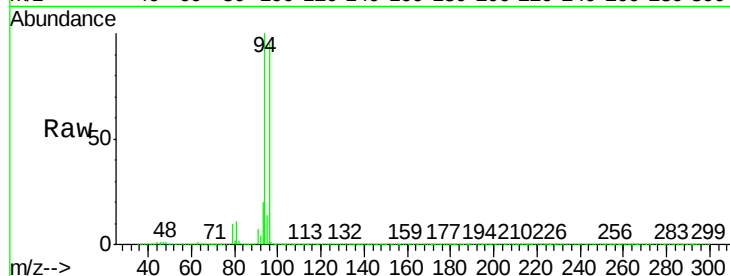
Ion Ratio Lower Upper

94 100

96 95.4 74.4 111.6

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#6

Chloroethane

Concen: 147.196 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX014613.D

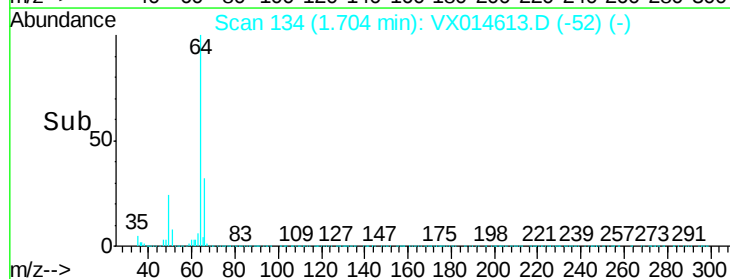
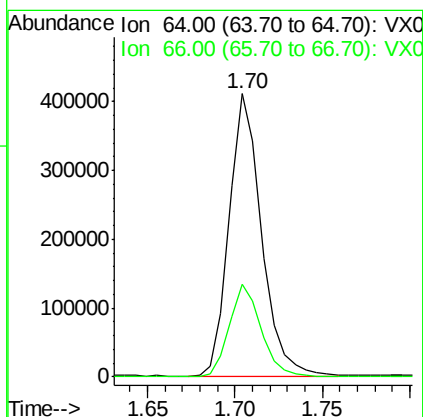
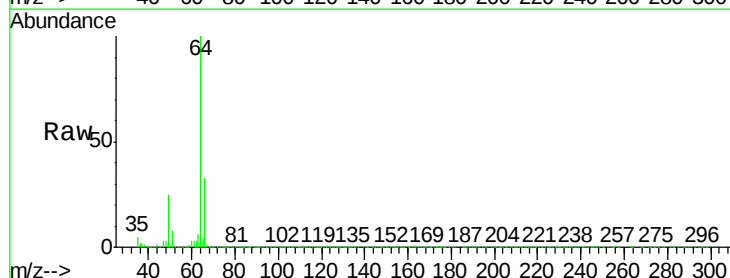
Acq: 15 Jan 2020 12:20

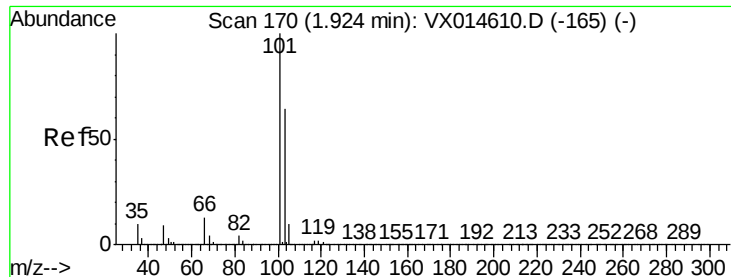
Tgt Ion: 64 Resp: 528028

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8





#7

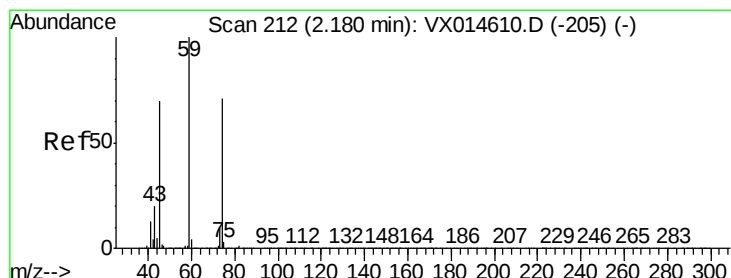
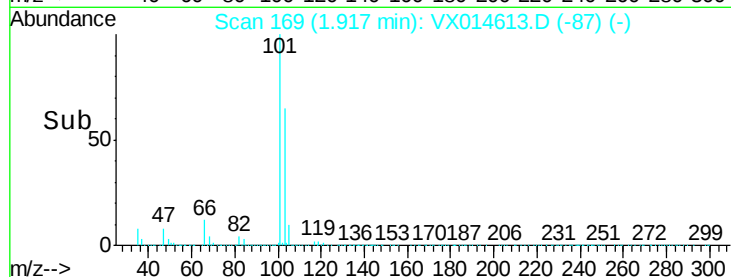
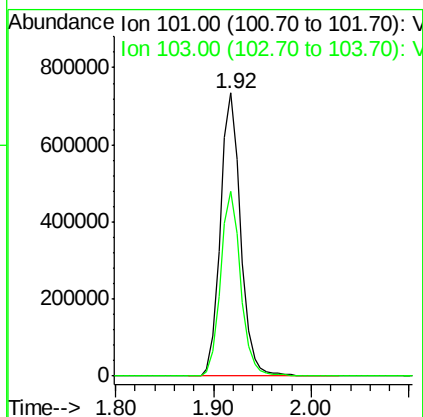
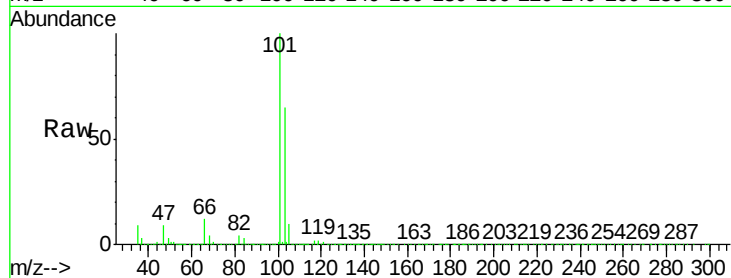
Trichlorofluoromethane
Concen: 150.437 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1055379
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

Manual Integrations
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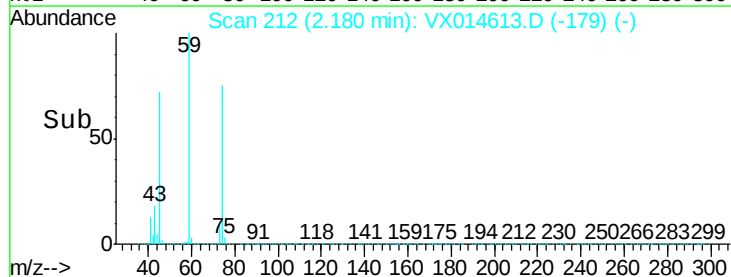
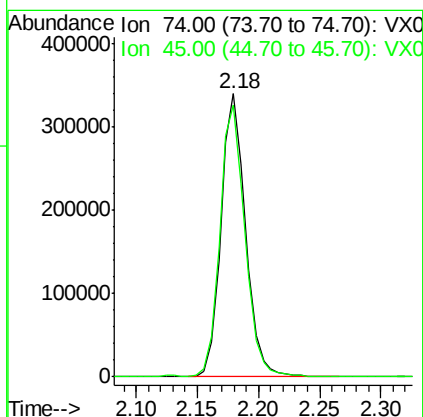
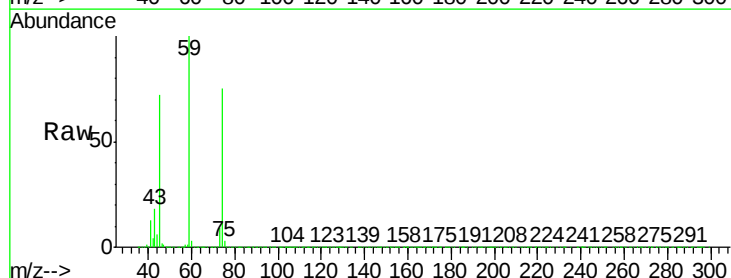
MMDadoda
1/16/2020 9:42:10 AM

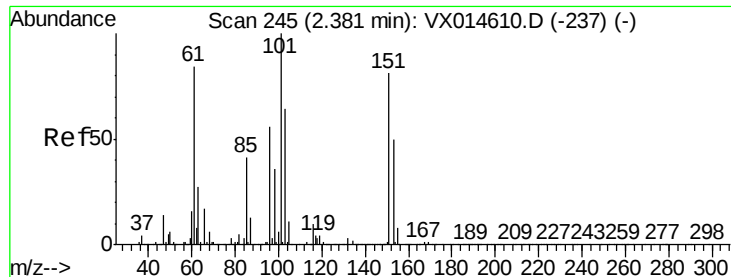


#8

Diethyl Ether
Concen: 154.757 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 74 Resp: 471506
Ion Ratio Lower Upper
74 100
45 97.8 20.6 185.0





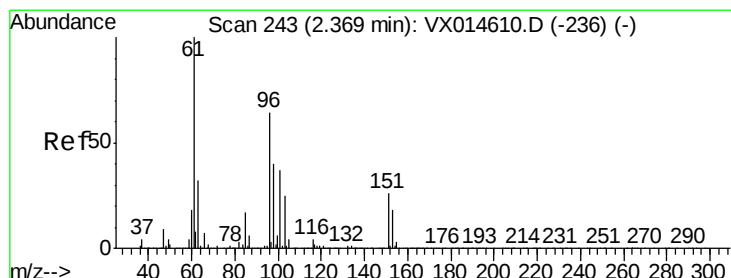
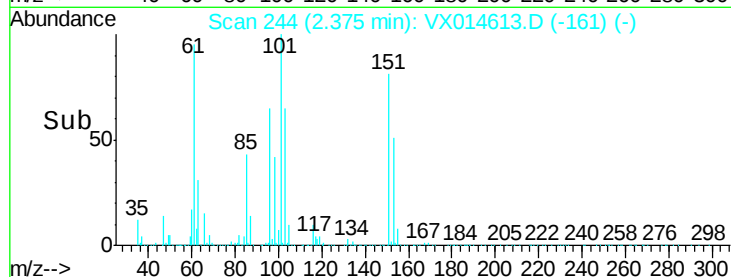
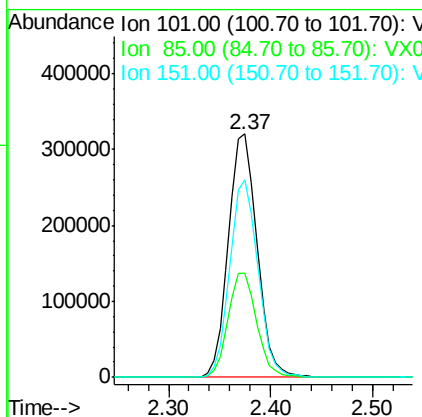
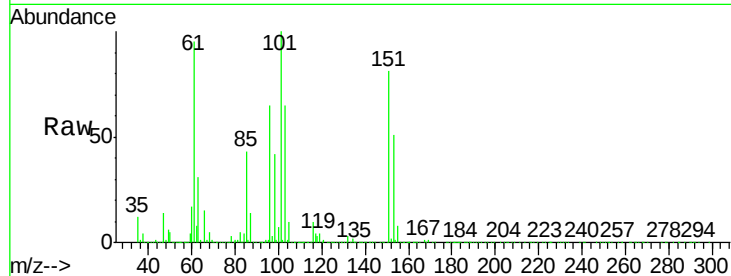
#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.351 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX014613.D
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Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.6	0.0	85.6
151	80.0	0.0	159.4

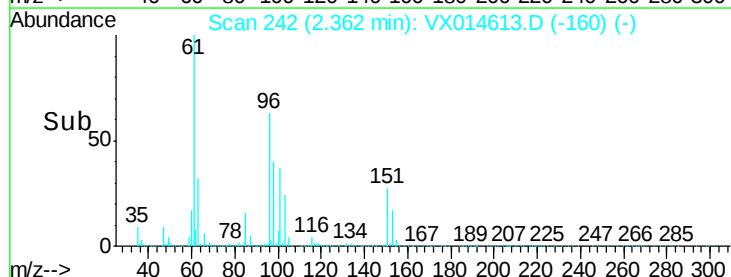
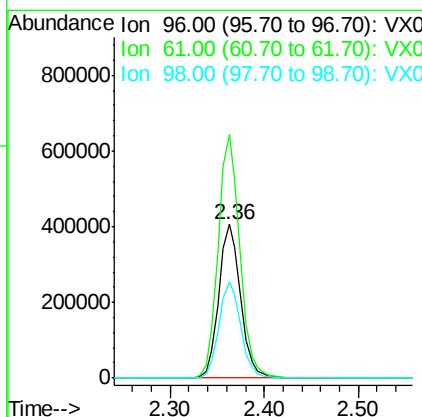
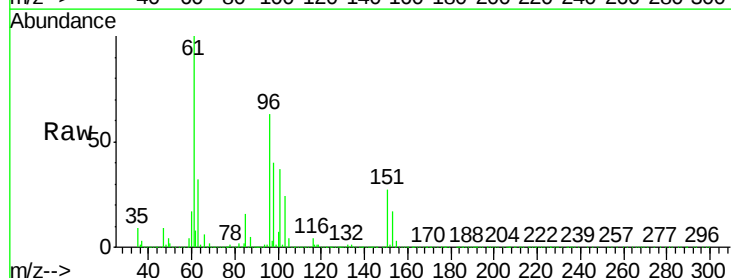
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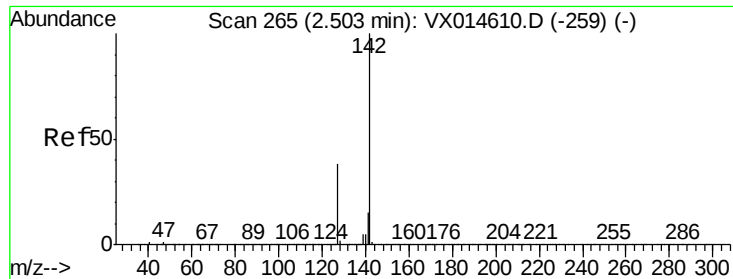
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#10
1,1-Dichloroethene
Concen: 157.834 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	158.7	123.0	184.6
98	62.8	51.4	77.0





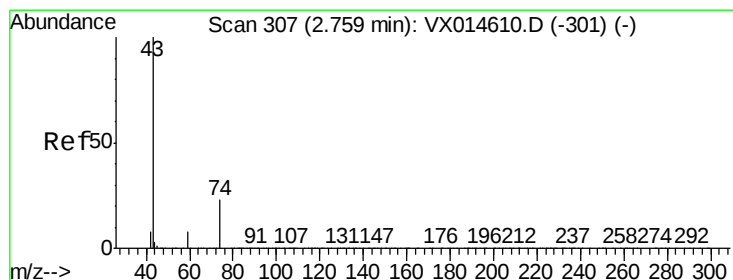
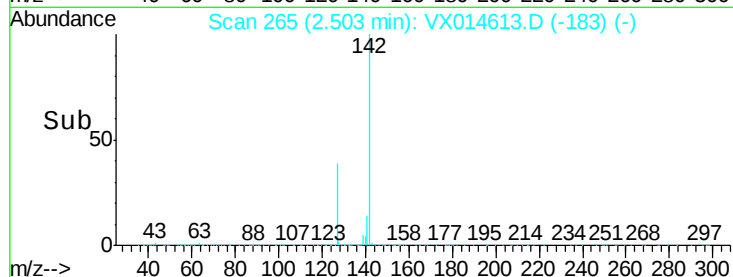
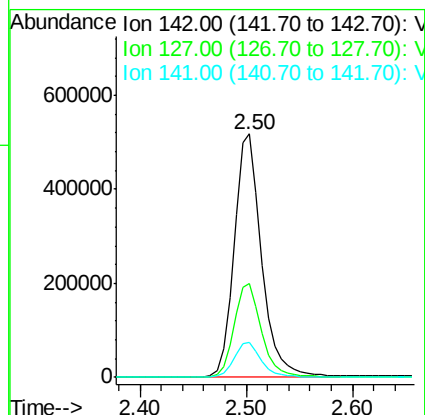
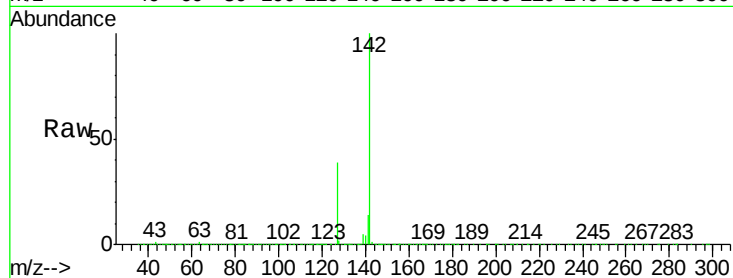
#11
Methvl Iodide
Concen: 174.475 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.7	19.5	58.5
141	14.4	7.0	20.9

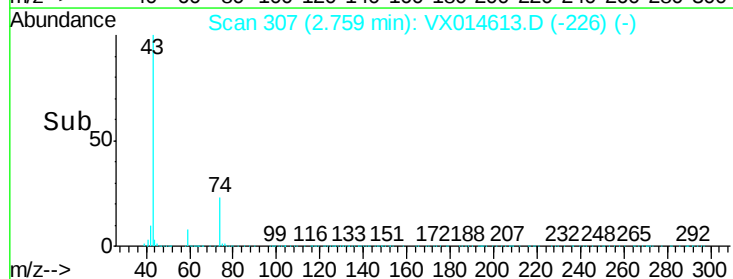
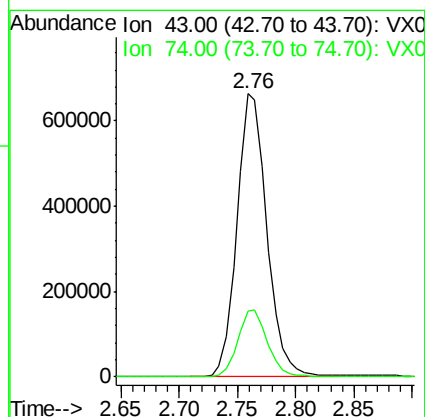
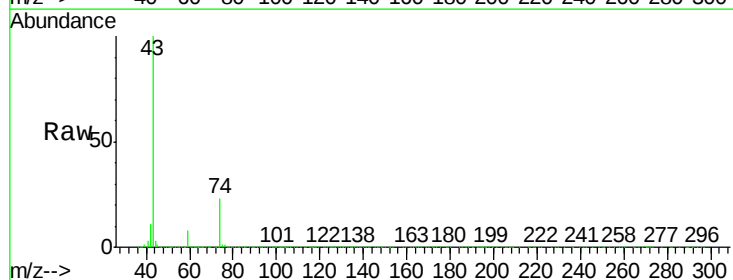
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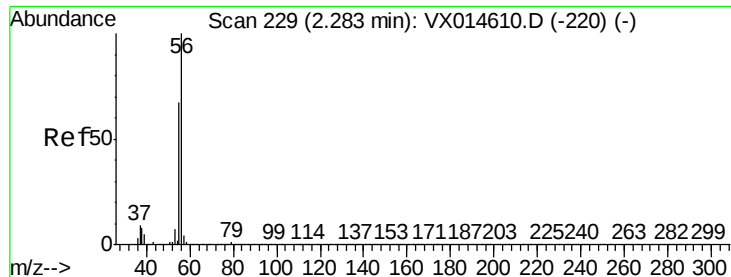
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#12
Methyl Acetate
Concen: 161.805 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.5	27.7





#13

Acrolein

Concen: 734.825 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 578312

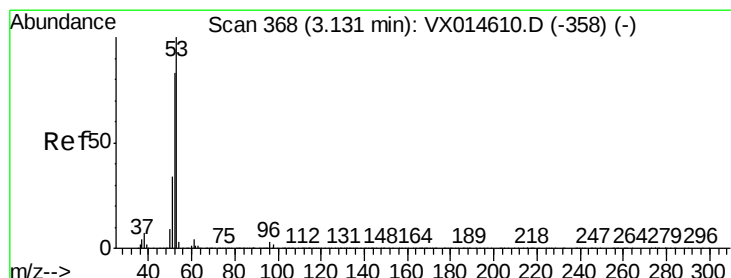
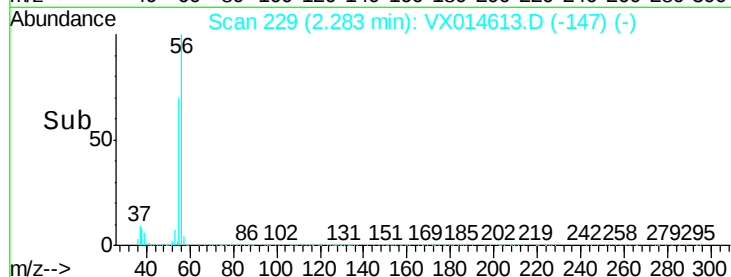
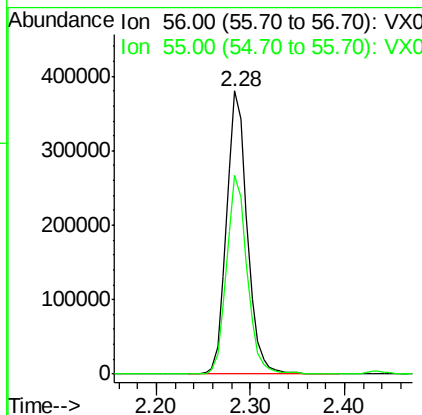
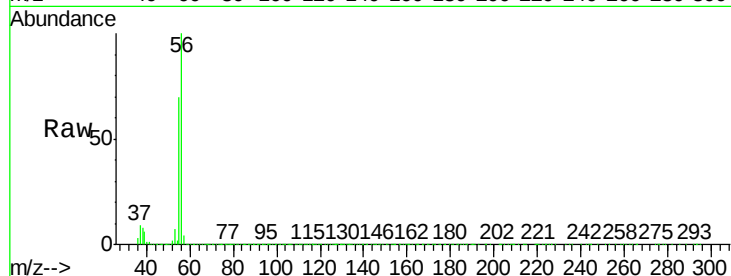
Ion Ratio Lower Upper

56 100

55 69.8 54.9 82.3

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#14

Acrylonitrile

Concen: 796.646 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

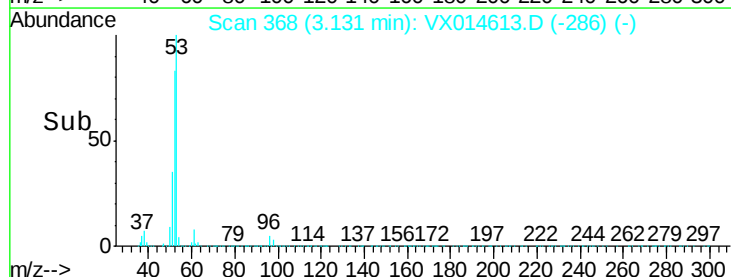
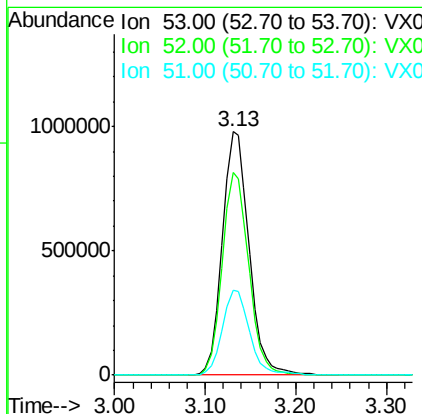
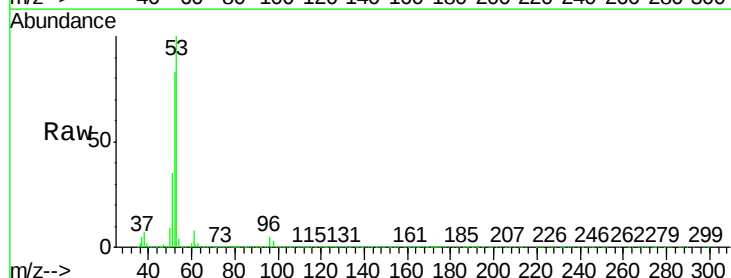
Tgt Ion: 53 Resp: 2009153

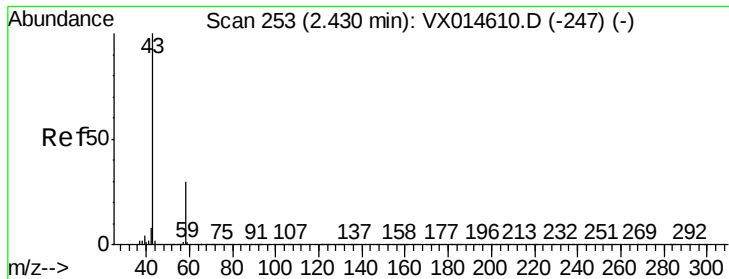
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.6

51 35.6 17.8 53.5





#15

Acetone

Concen: 773.631 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 658091

Ion Ratio Lower Upper

58 100

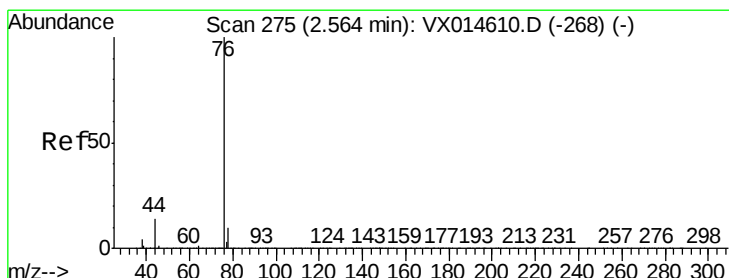
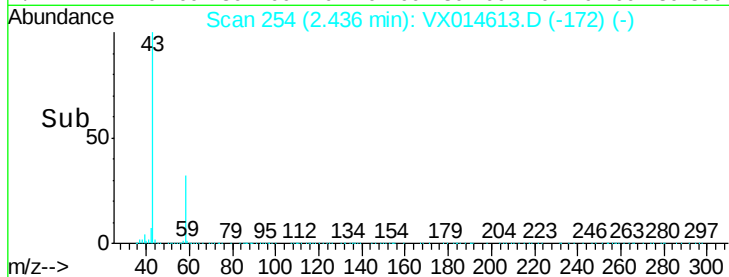
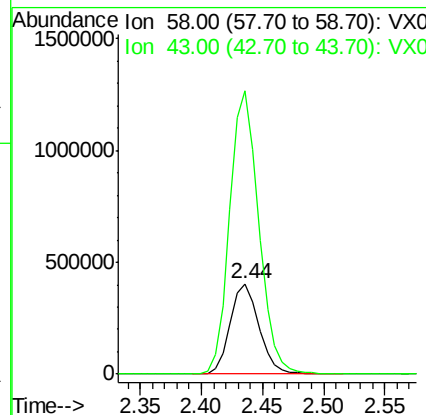
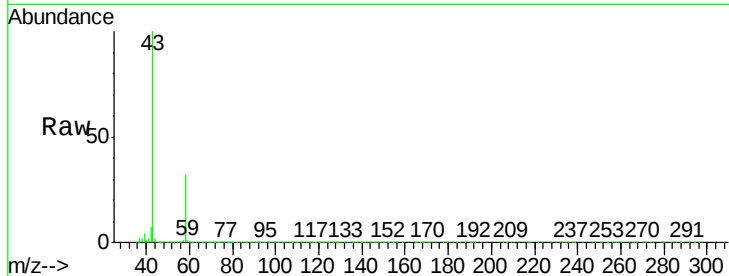
43 312.2 236.3 354.5

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#16

Carbon Disulfide

Concen: 163.943 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014613.D

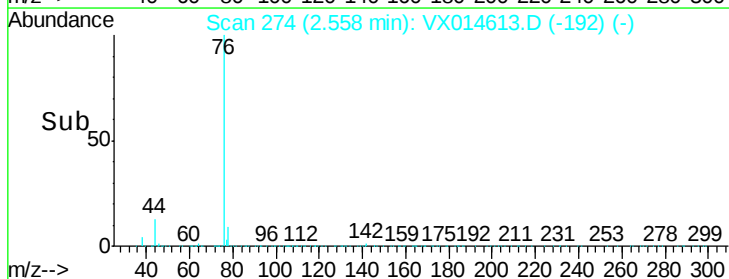
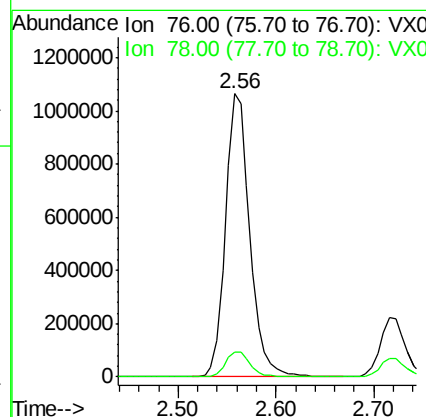
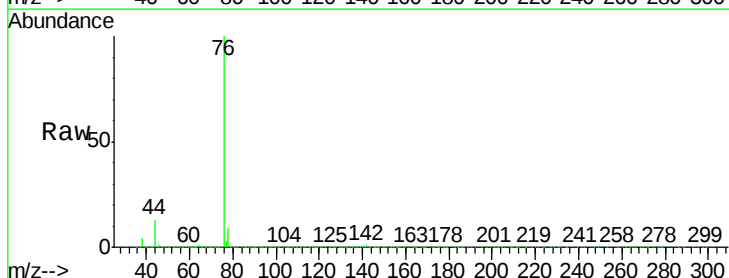
Acq: 15 Jan 2020 12:20

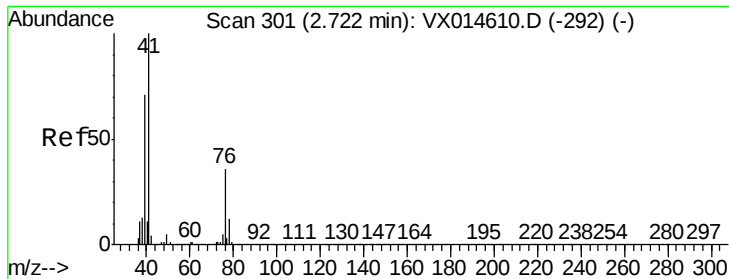
Tgt Ion: 76 Resp: 1826014

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.8





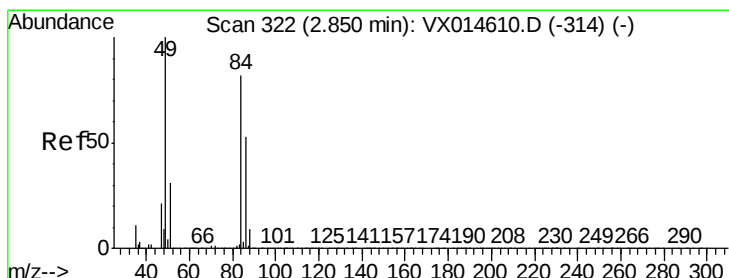
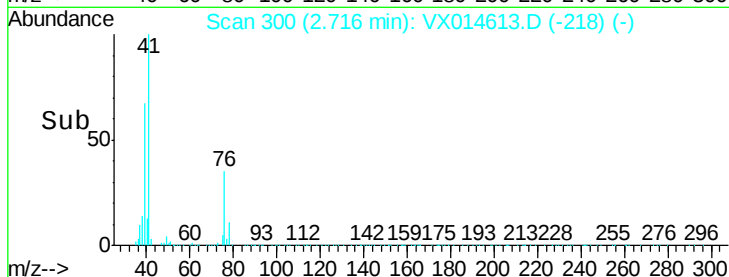
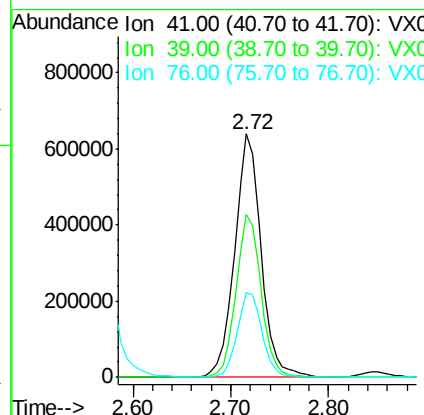
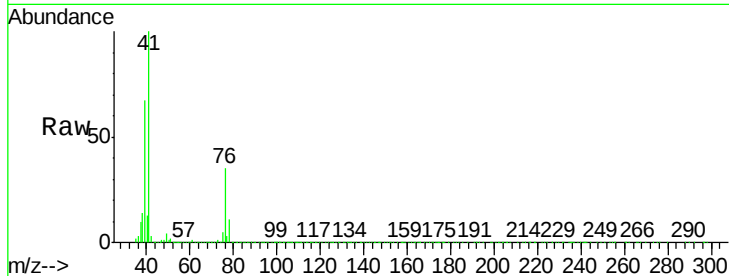
#17
Allvl chloride
Concen: 158.233 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 41 Resp: 1196552
Ion Ratio Lower Upper
41 100
39 66.8 33.4 100.2
76 35.0 17.0 50.9

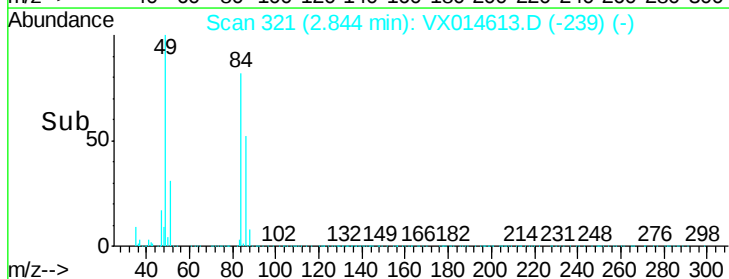
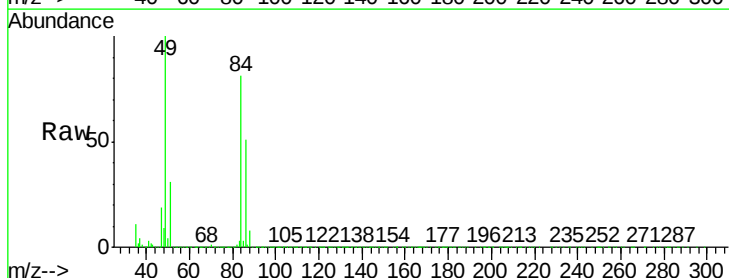
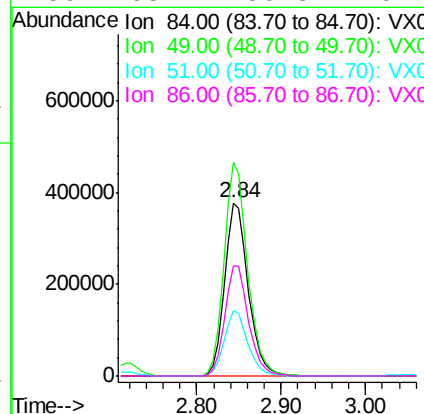
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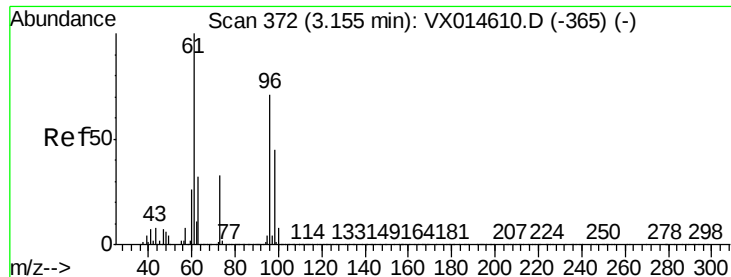
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#18
Methylene Chloride
Concen: 149.181 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 84 Resp: 722014
Ion Ratio Lower Upper
84 100
49 123.2 102.2 153.2
51 37.8 31.4 47.0
86 63.4 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 156.523 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

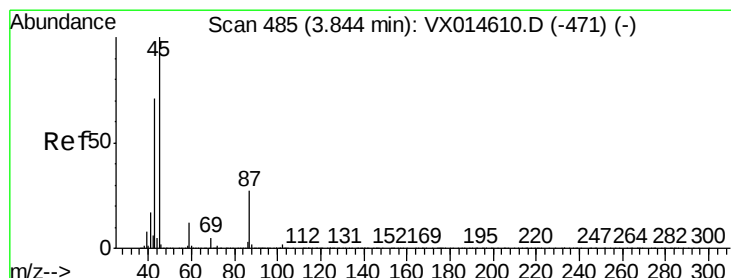
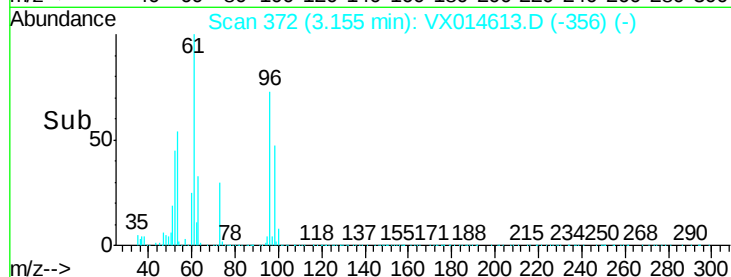
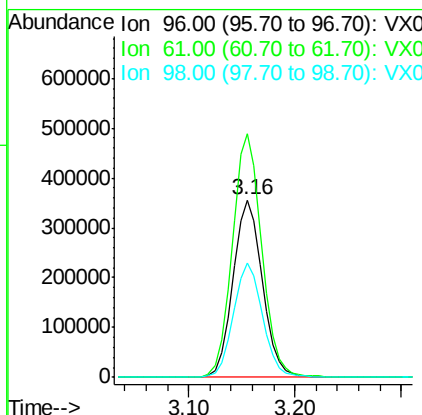
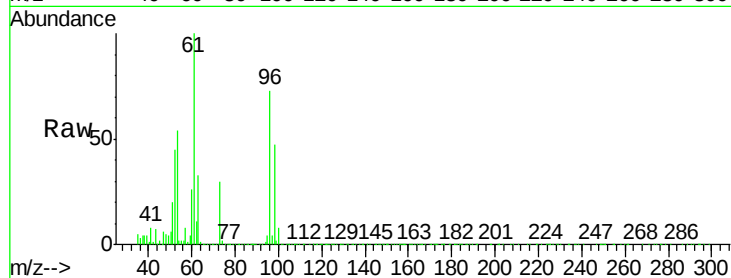
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	690035
Ion Ratio	Lower	Upper	
96	100		
61	137.1	106.6	159.8
98	64.7	51.6	77.4

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#20

Diisopropyl ether

Concen: 154.418 ug/l

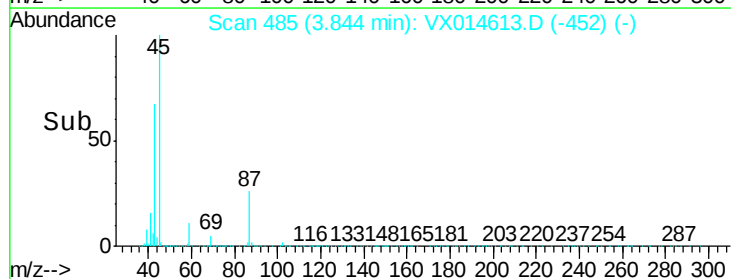
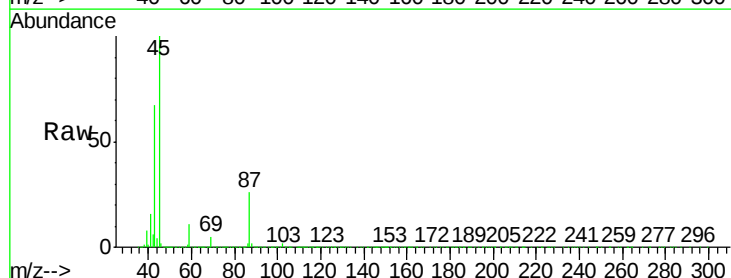
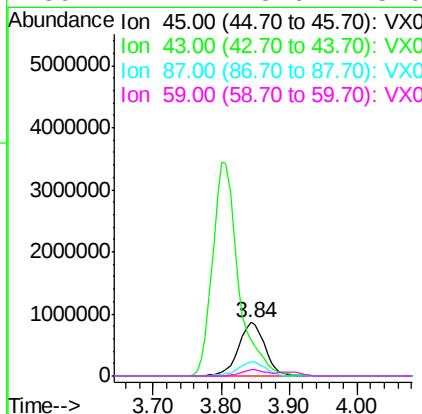
RT: 3.84 min Scan# 485

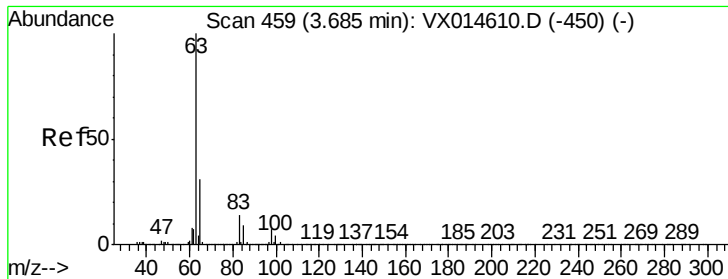
Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Tgt Ion:	45	Resp:	2321980
Ion Ratio	Lower	Upper	
45	100		
43	66.4	55.9	83.9
87	26.1	22.2	33.2
59	11.1	8.6	13.0





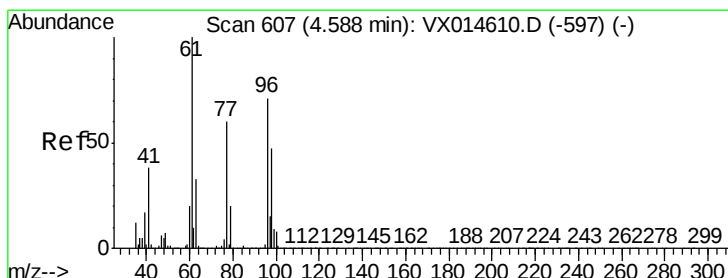
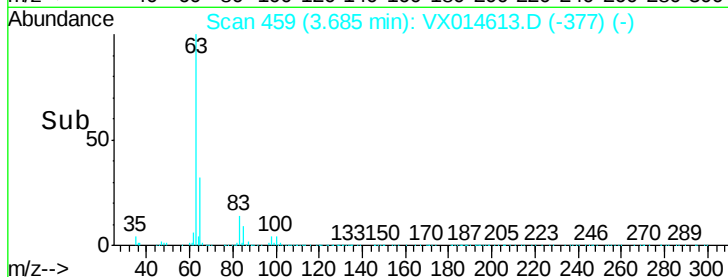
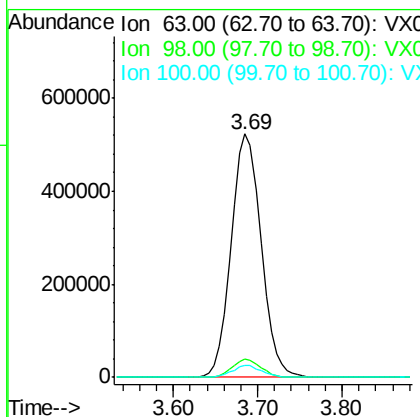
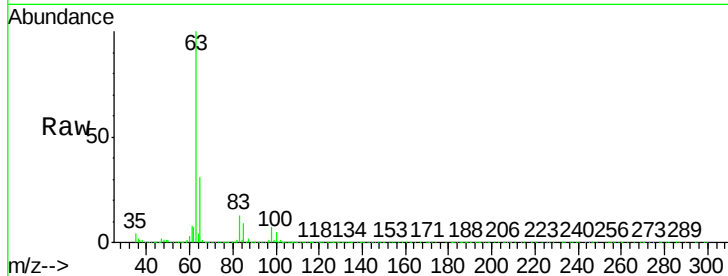
#21
1,1-Dichloroethane
Concen: 153.540 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	63	Resp:	1255724
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.1
100	4.8	2.5	7.4

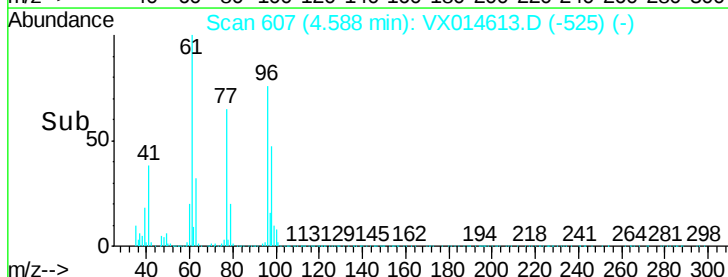
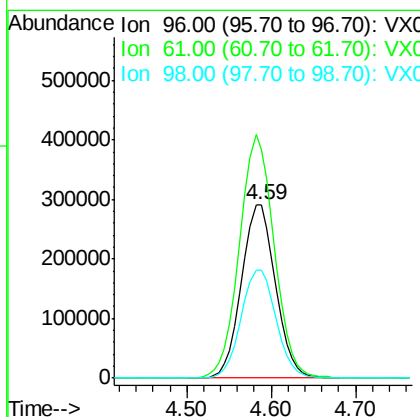
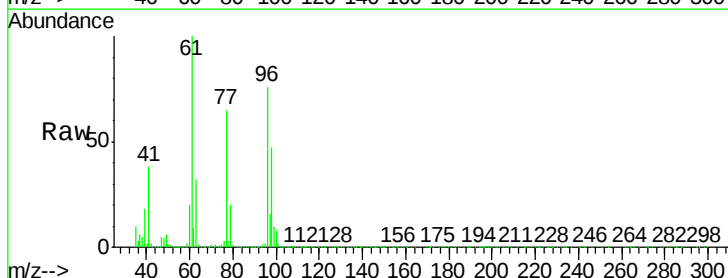
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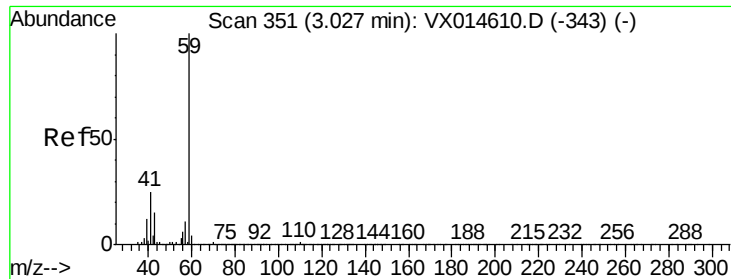
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#22
cis-1,2-Dichloroethene
Concen: 157.108 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion:	96	Resp:	795287
Ion	Ratio	Lower	Upper
96	100		
61	143.5	112.4	168.6
98	64.1	50.3	75.5





#23

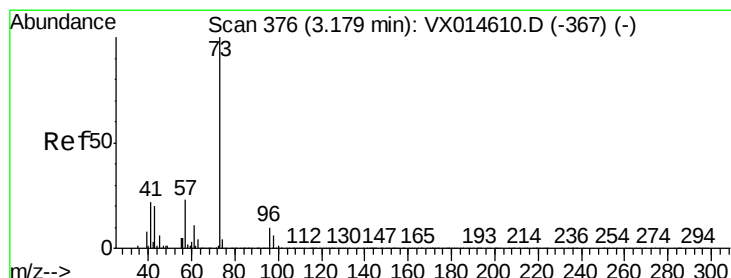
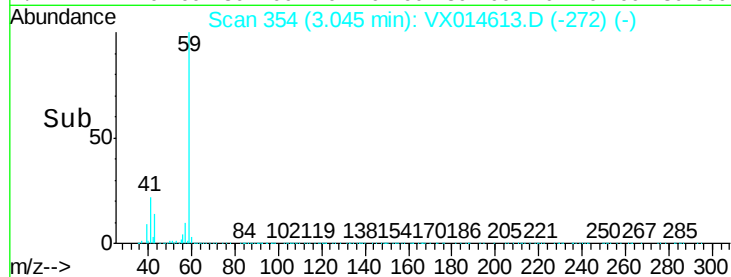
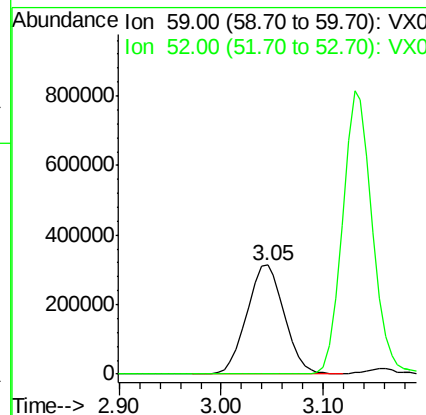
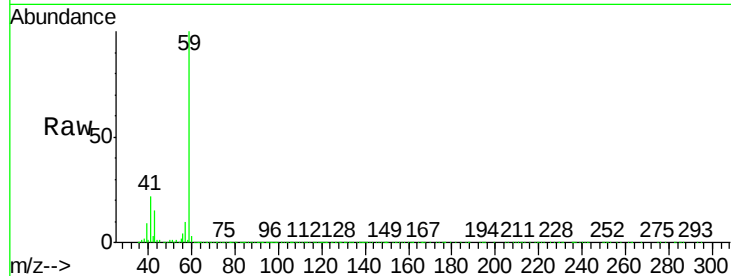
tert-Butyl Alcohol
Concen: 763.293 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

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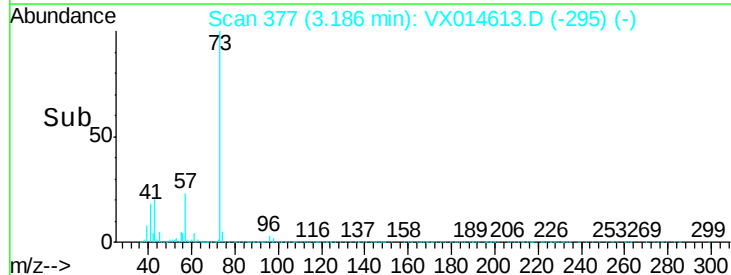
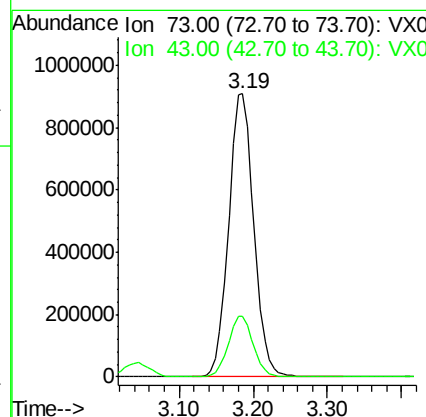
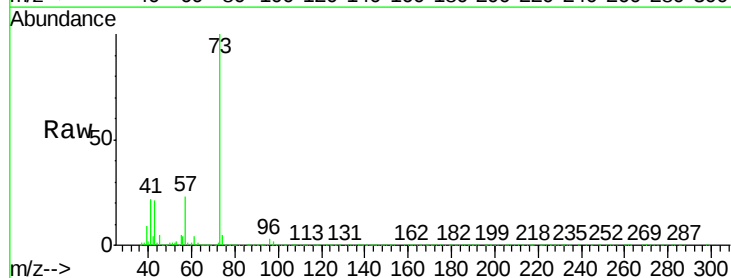
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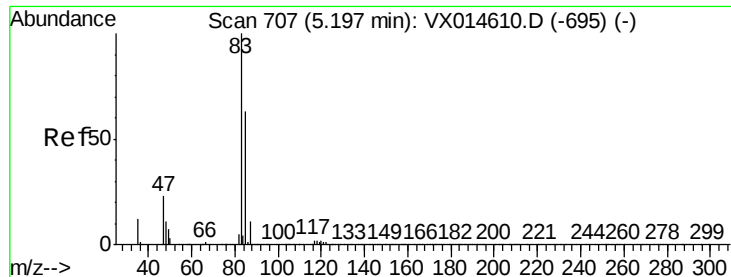


#24

Methyl tert-Butyl Ether
Concen: 156.600 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	25.0





#25

Chloroform

Concen: 152.028 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 83 Resp: 1206860

Ion Ratio Lower Upper

83 100

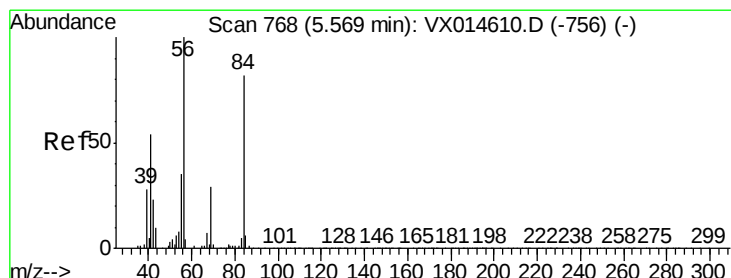
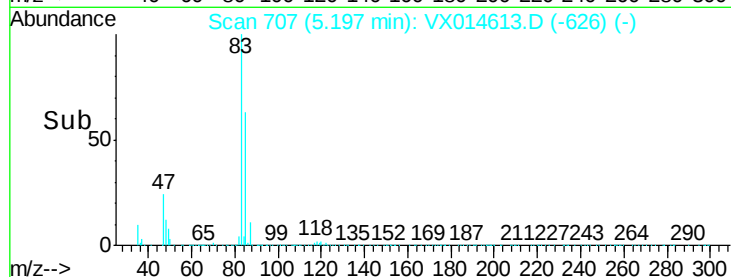
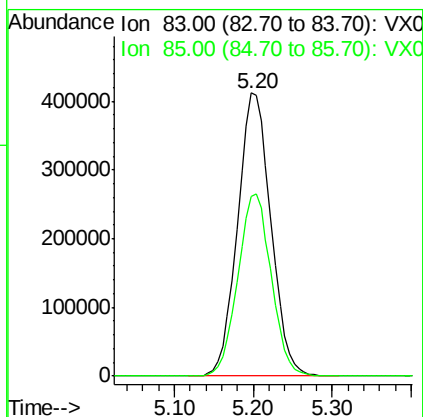
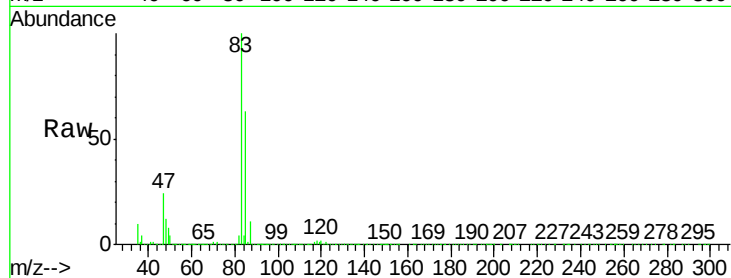
85 63.3 52.7 79.1

Manual Integrations

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#26

Cyclohexane

Concen: 158.279 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

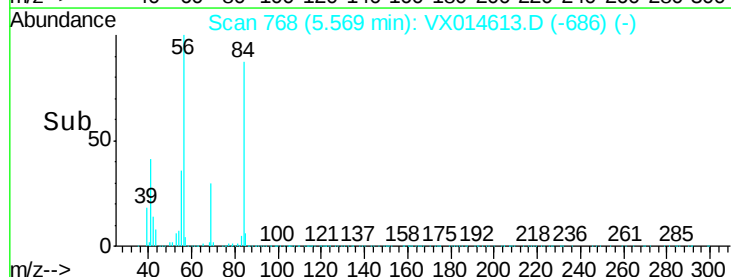
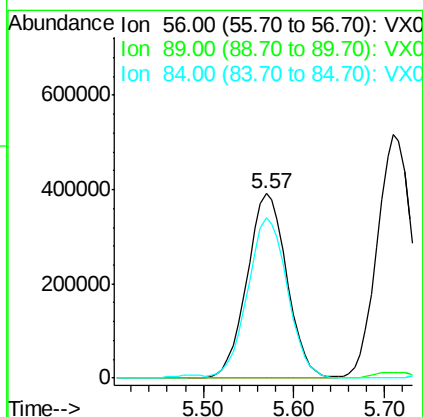
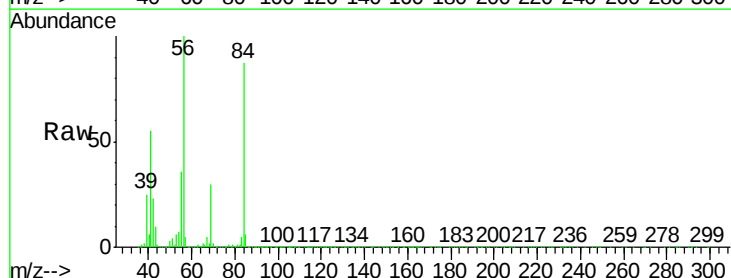
Tgt Ion: 56 Resp: 1186566

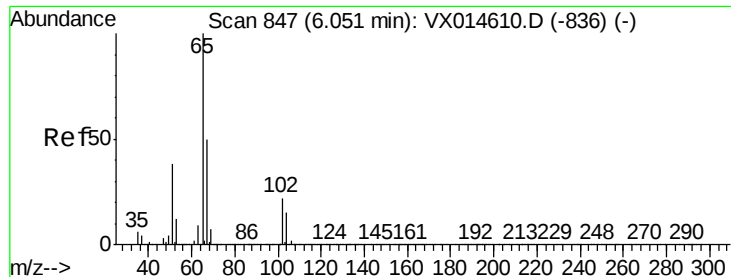
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 87.3 70.8 106.2





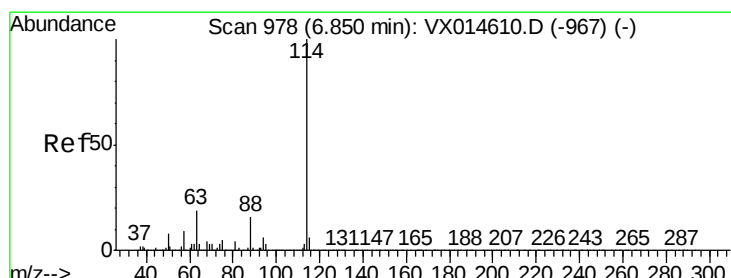
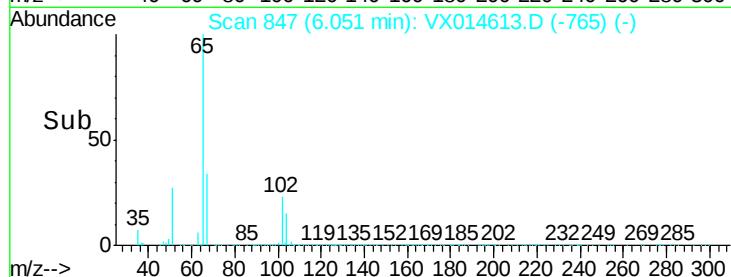
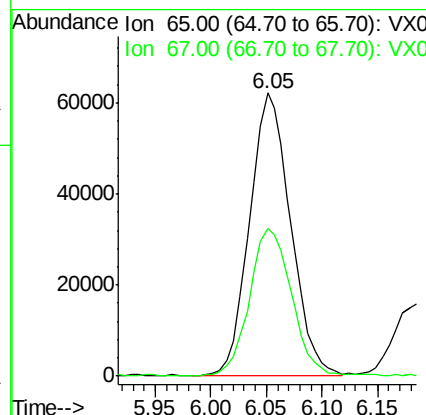
#27
 1,2-Dichloroethane-d4
 Concen: 30.281 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	43.1	64.7

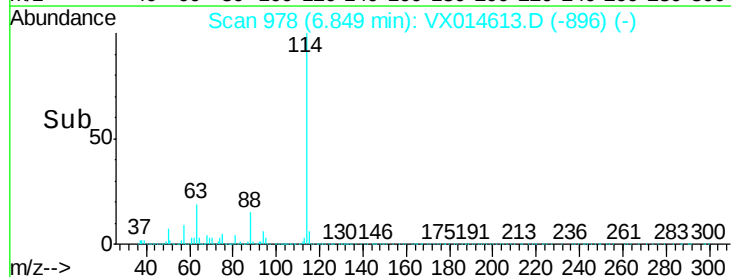
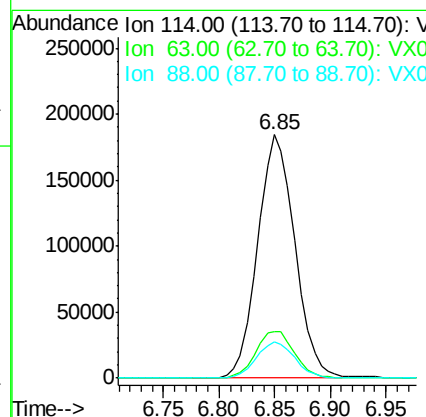
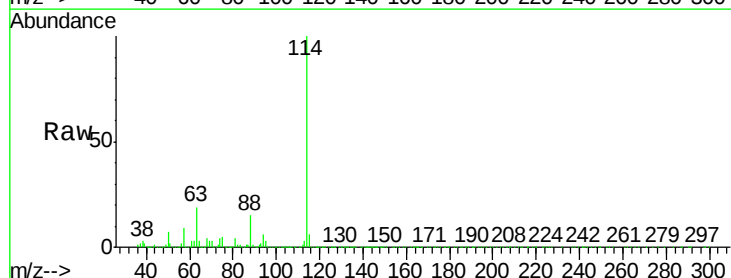
Manual Integrations
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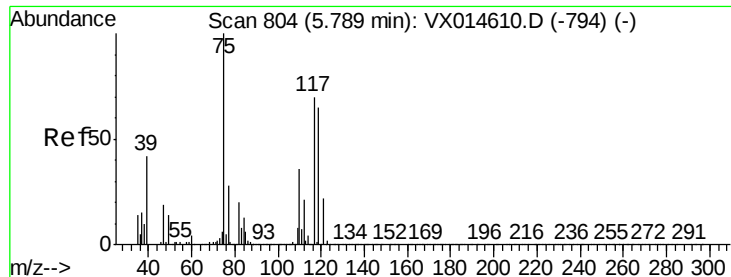
MMDadoda
 1/16/2020 9:42:10 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.3	12.5	18.7





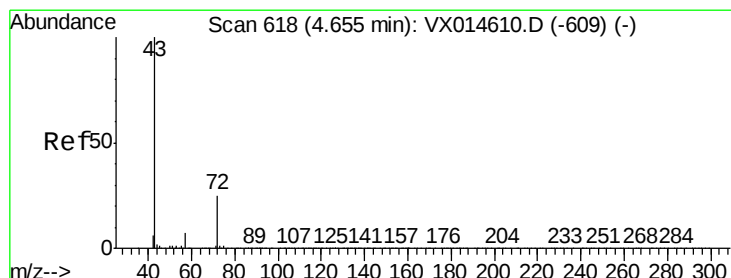
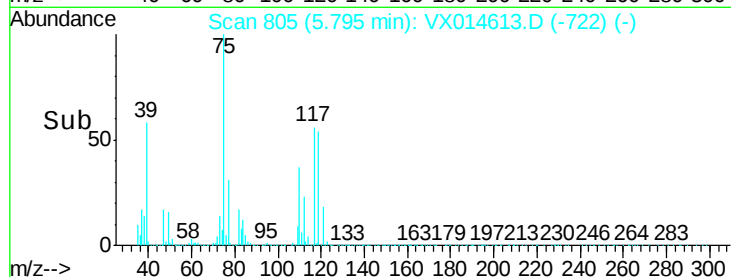
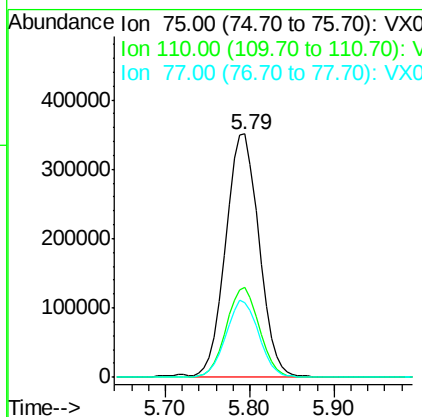
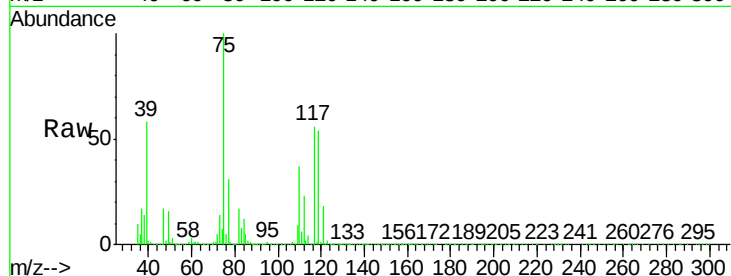
#29
 1,1-Dichloropropene
 Concen: 151.722 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	75	Resp:	948881
Ion Ratio	Lower	Upper	
75	100		
110	36.4	0.0	73.8
77	30.8	0.0	62.4

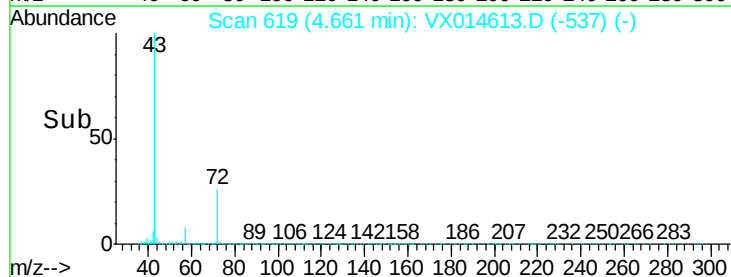
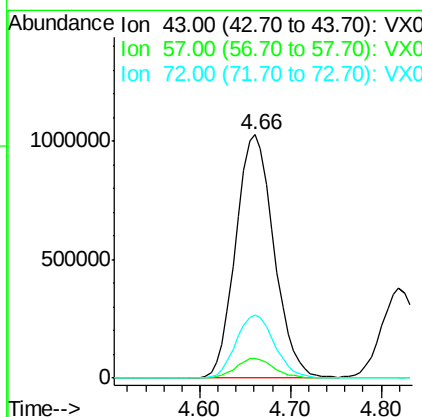
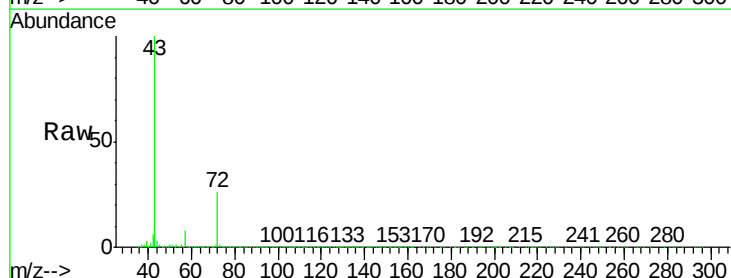
Manual Integrations
 APPROVED

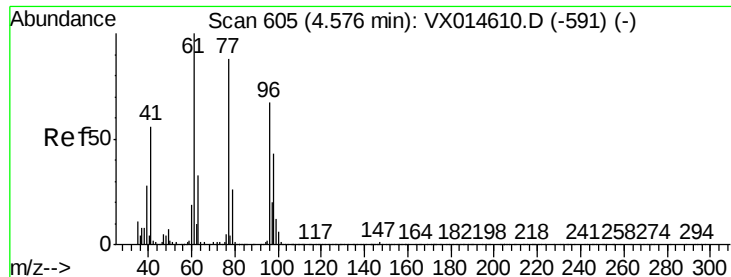
MMDadoda
 1/16/2020 9:42:10 AM



#30
 2-Butanone
 Concen: 751.293 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion:	43	Resp:	2982203
Ion Ratio	Lower	Upper	
43	100		
57	8.1	6.2	9.2
72	26.2	20.3	30.5





#31

2,2-Dichloropropane

Concen: 151.060 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 1011748

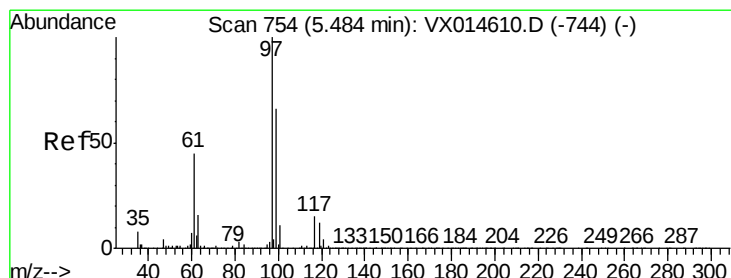
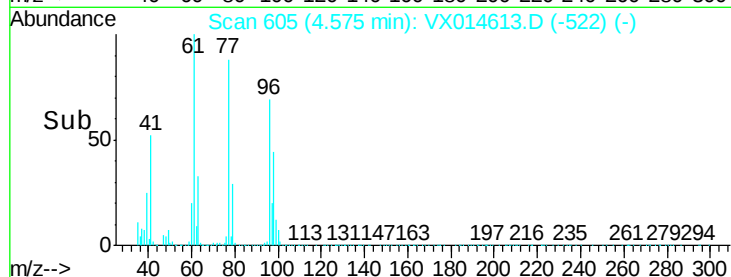
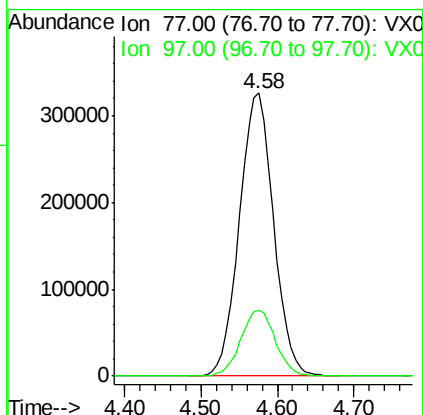
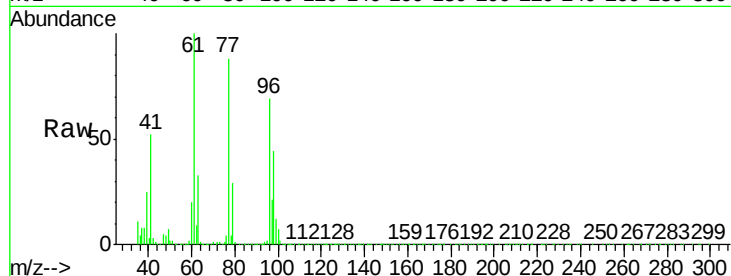
Ion Ratio Lower Upper

77 100

97 23.6 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:42:10 AM



#32

1,1,1-Trichloroethane

Concen: 149.370 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

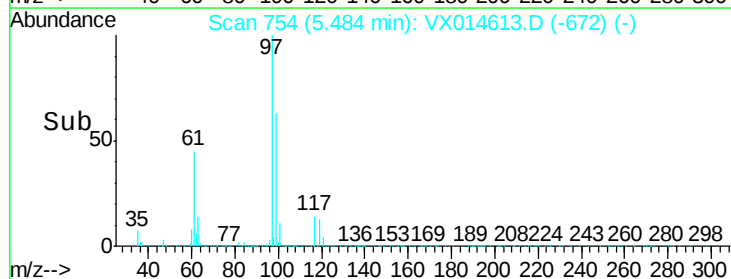
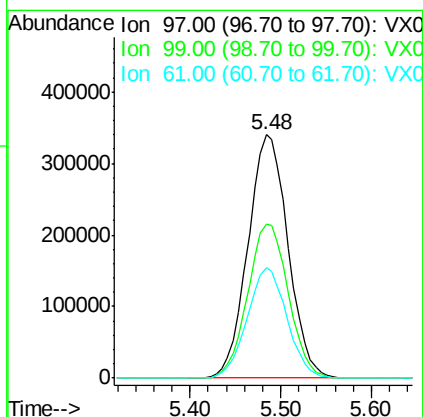
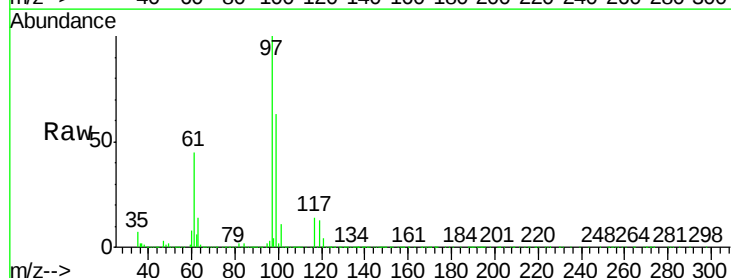
Tgt Ion: 97 Resp: 1036731

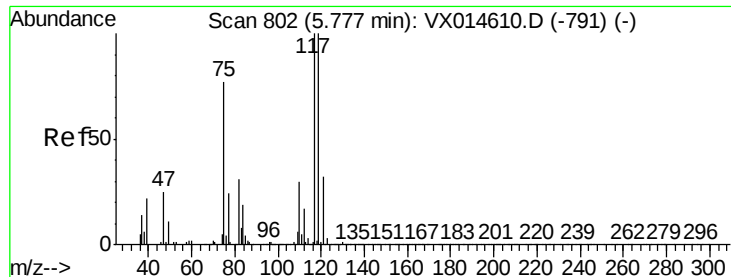
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 45.1 36.8 55.2





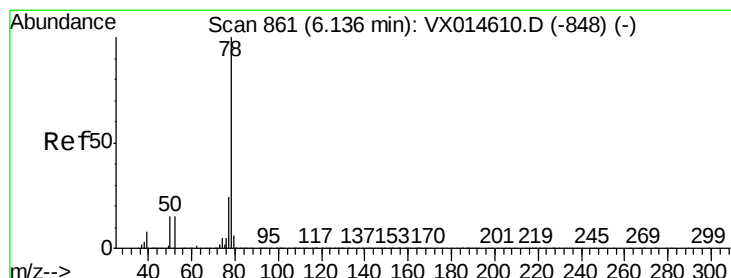
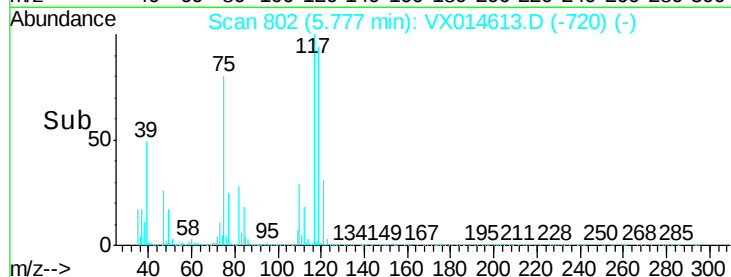
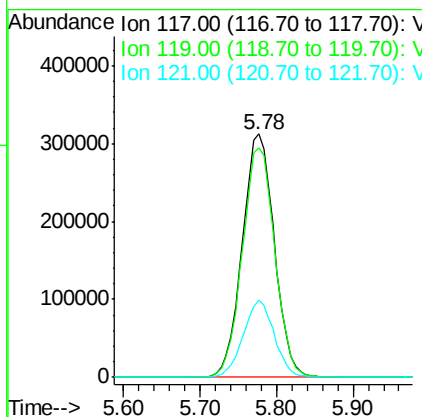
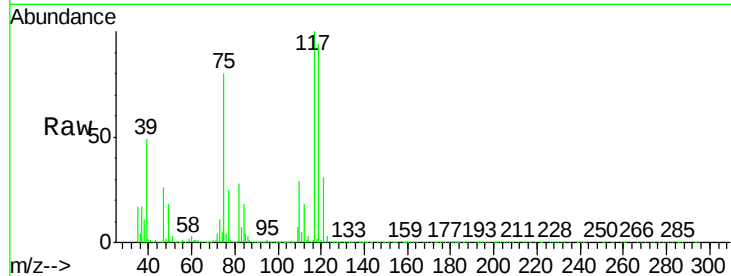
#33
Carbon Tetrachloride
Concen: 153.080 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.2	115.8
121	31.4	24.8	37.2

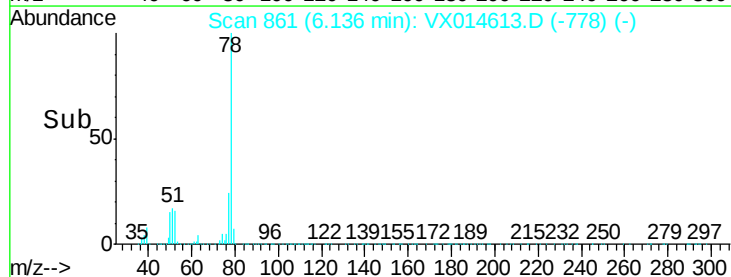
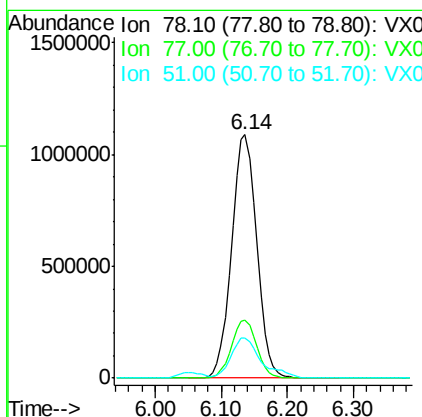
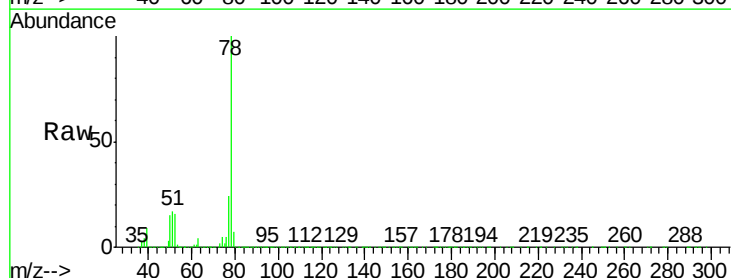
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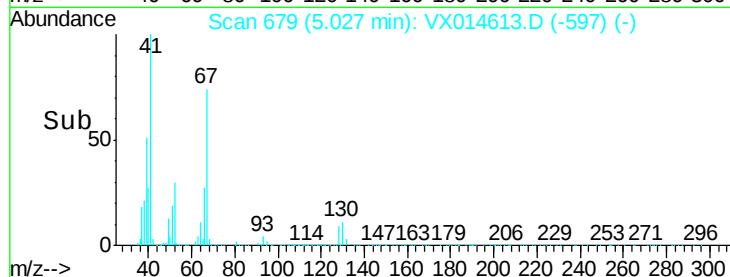
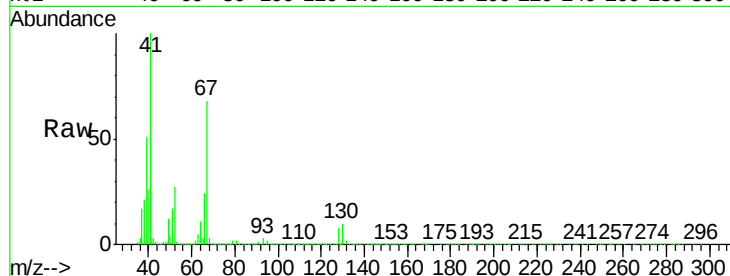
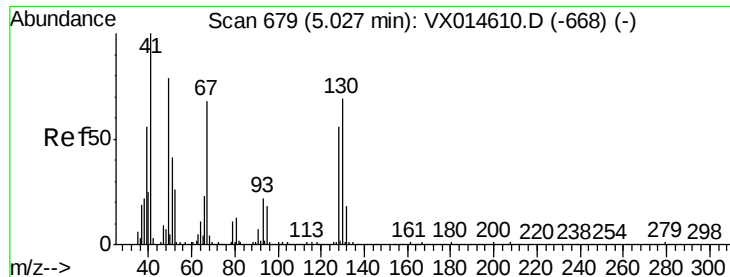
MMDadoda
1/16/2020 9:42:10 AM



#34
Benzene
Concen: 147.809 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

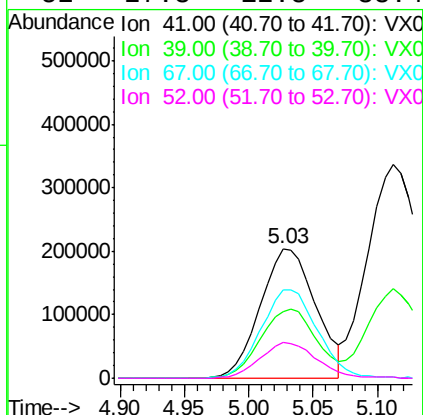
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.2
51	16.7	12.4	18.6





#35
Methacrylonitrile
Concen: 154.279 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

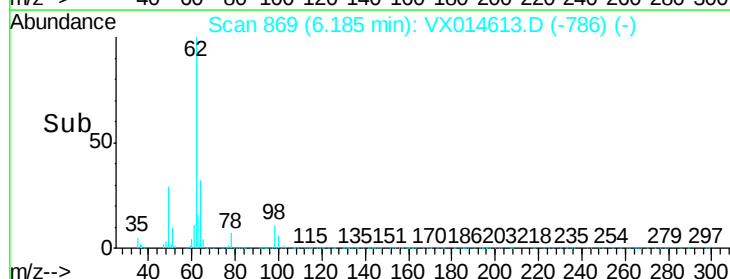
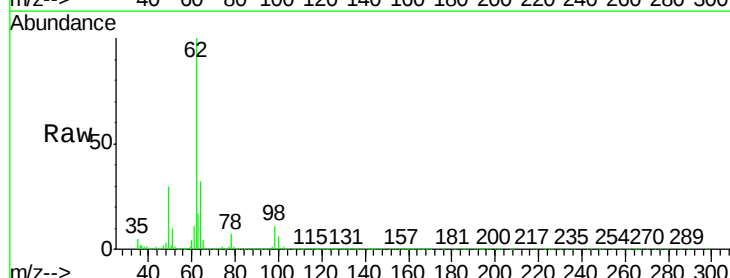
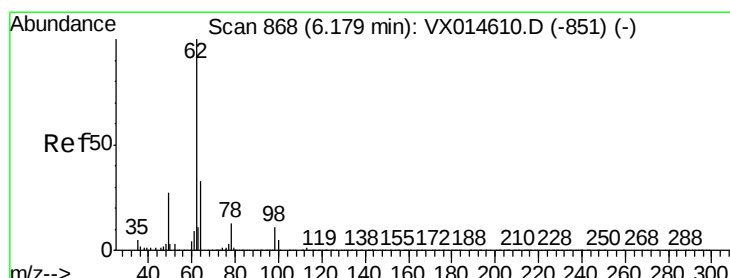
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		608363		
39	51.3	26.7	80.1		
67	68.1	31.5	94.5		
52	27.3	12.8	38.4		



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

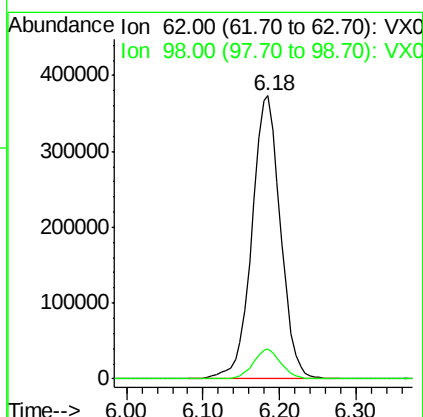
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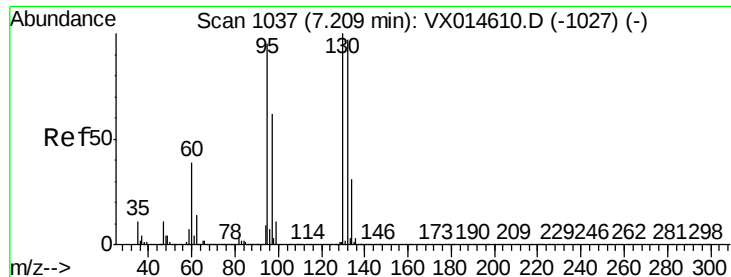
MMDadoda
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#36
1,2-Dichloroethane
Concen: 142.589 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		970757		
98	10.1	8.4	12.6		





#37

Trichloroethene

Concen: 148.940 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 791039

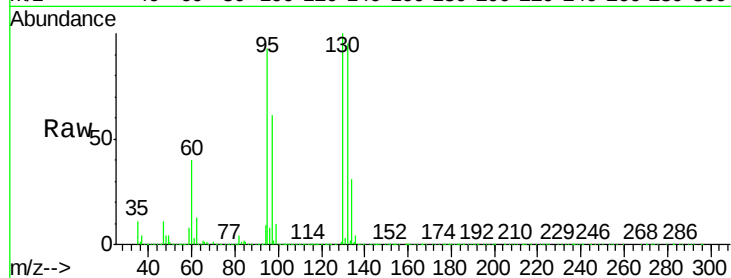
Ion Ratio Lower Upper

130 100

95 92.7 71.7 107.5

Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400000

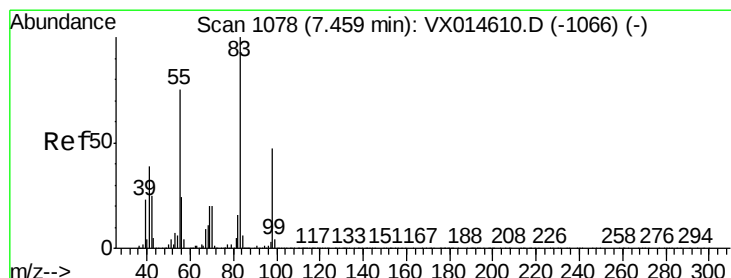
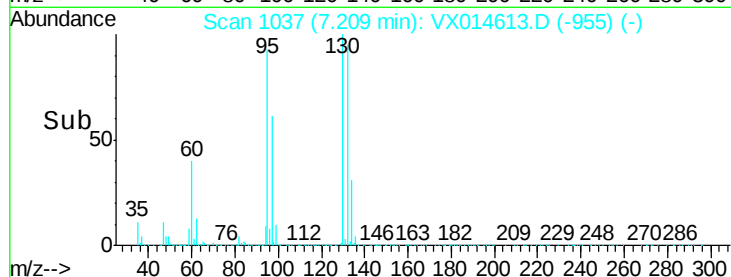
300000

200000

100000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 155.774 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

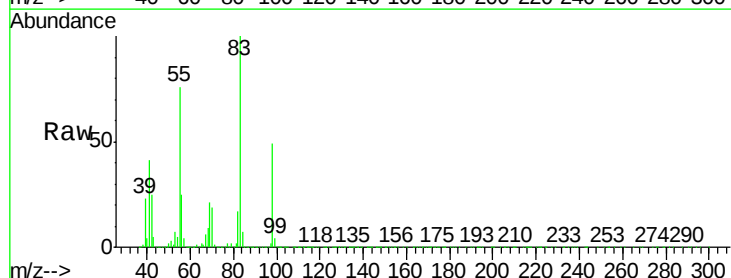
Tgt Ion: 83 Resp: 1206481

Ion Ratio Lower Upper

83 100

55 77.1 39.4 118.1

98 49.6 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

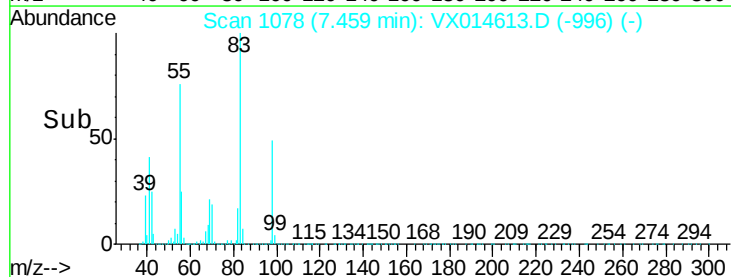
600000

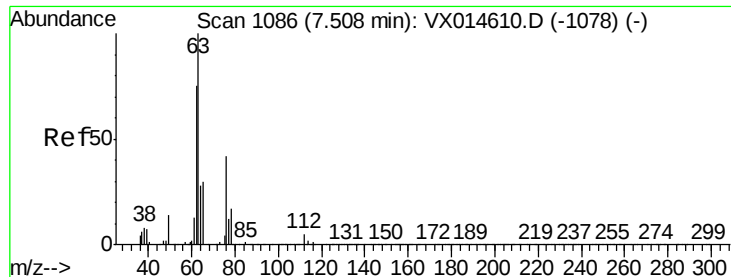
400000

200000

0

Time--> 7.40 7.50





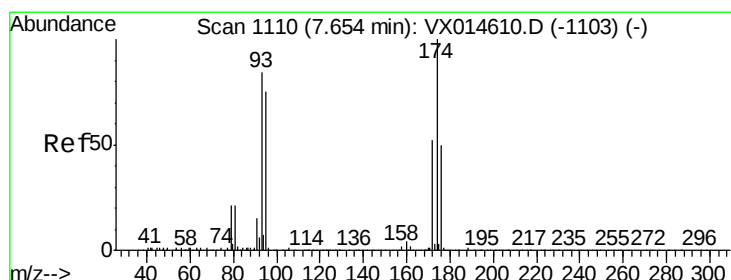
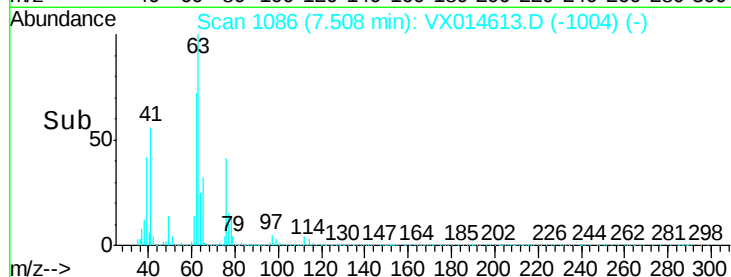
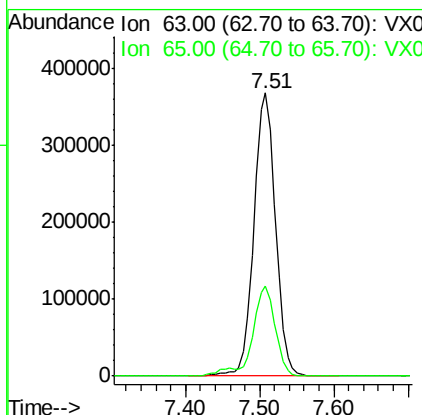
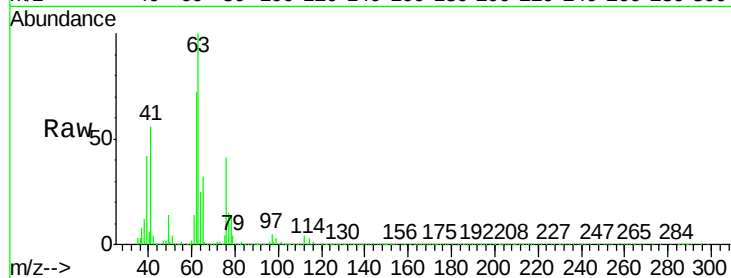
#39
 1,2-Dichloropropane
 Concen: 148.863 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.1	33.1

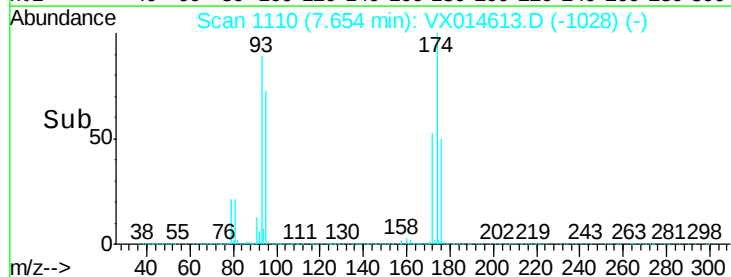
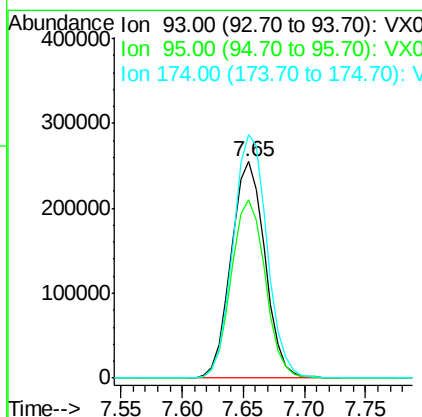
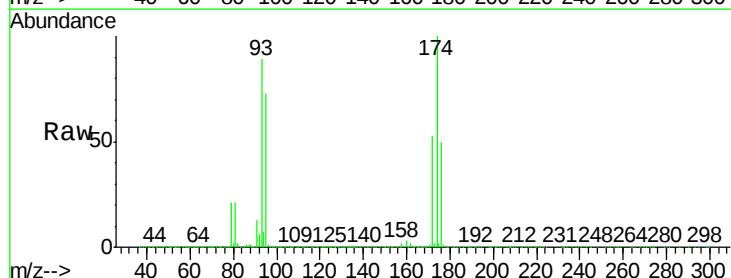
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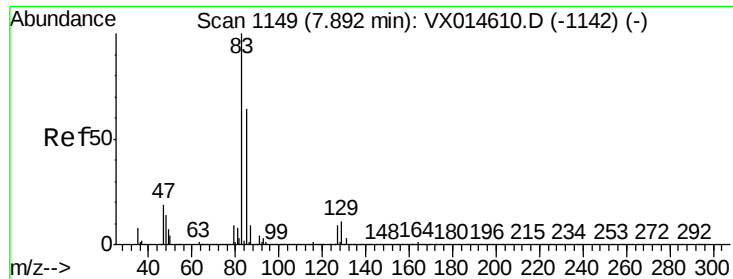
MMDadoda
 1/16/2020 9:42:10 AM



#40
 Dibromomethane
 Concen: 150.546 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	164.4
174	113.6	0.0	228.8





#41

Bromodichloromethane

Concen: 155.643 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

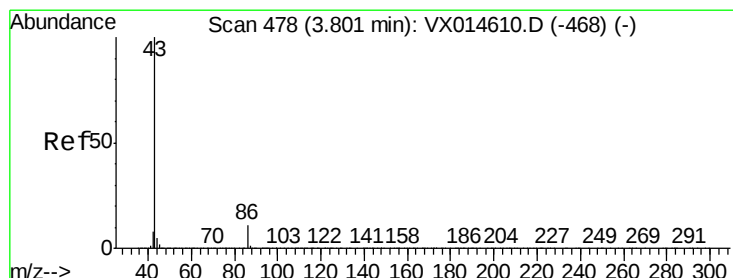
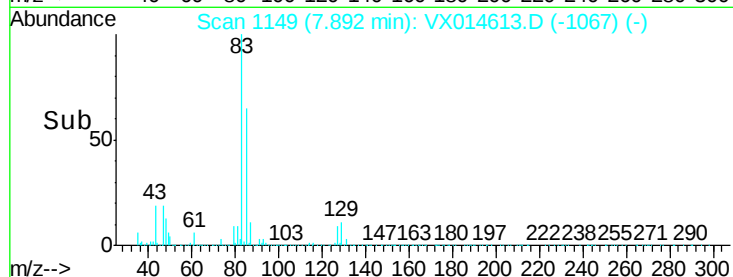
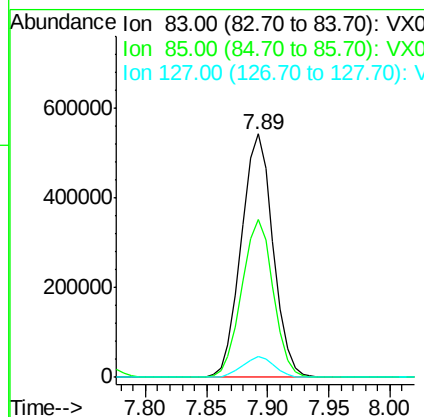
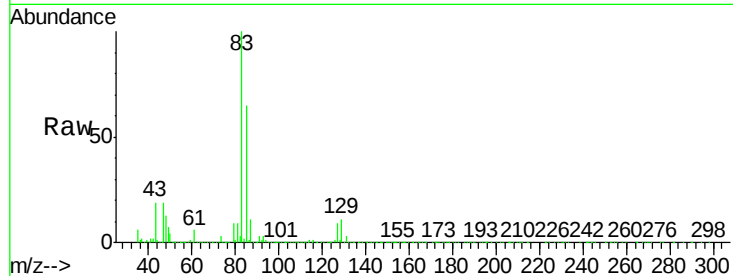
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	979262
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.6	77.4
127	8.5	6.0	9.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 741.352 ug/l

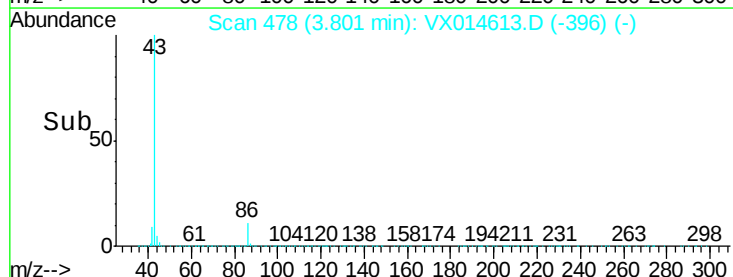
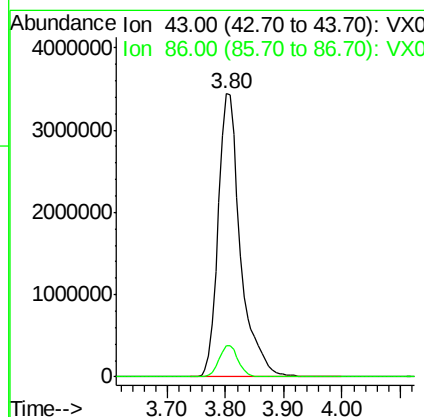
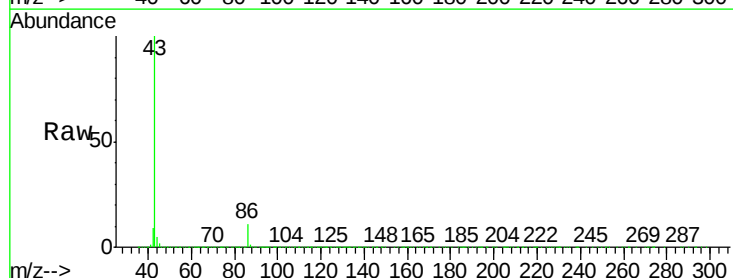
RT: 3.80 min Scan# 478

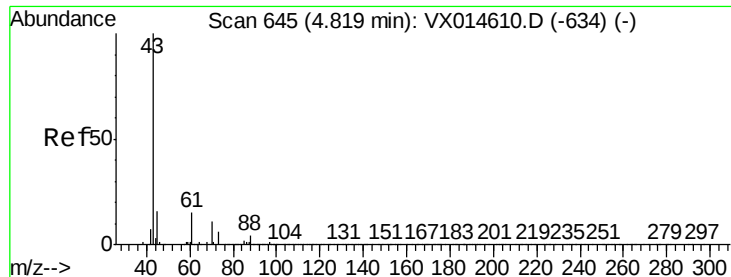
Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Tgt Ion:	43	Resp:	9094243
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.7	11.5





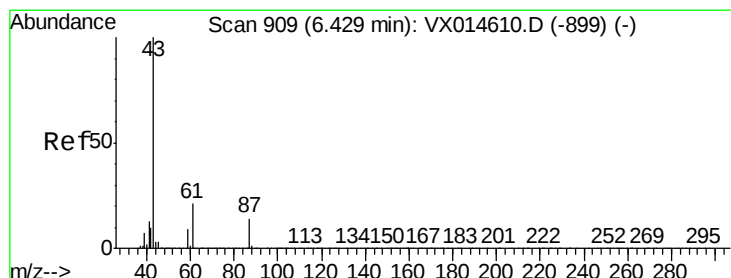
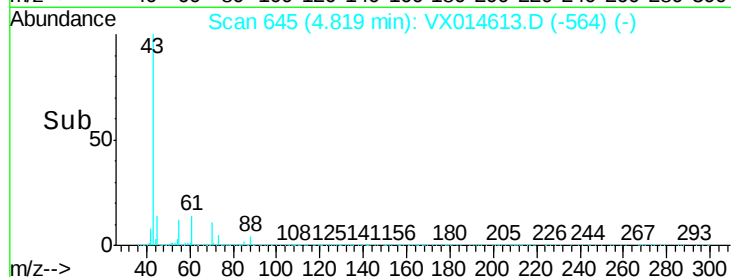
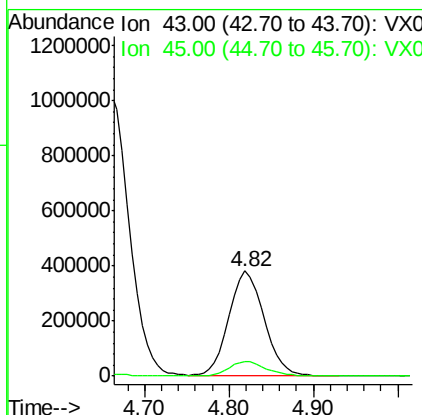
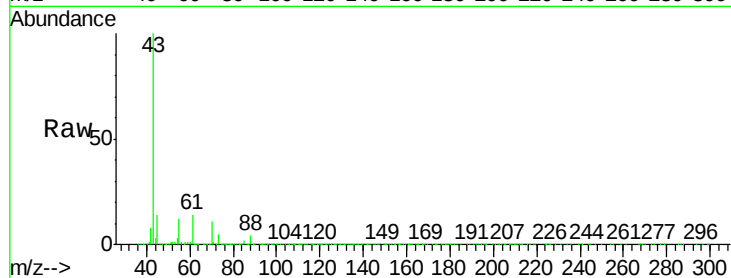
#43
Ethyl Acetate
Concen: 152.276 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 1091275
Ion Ratio Lower Upper
43 100
45 14.9 11.8 17.8

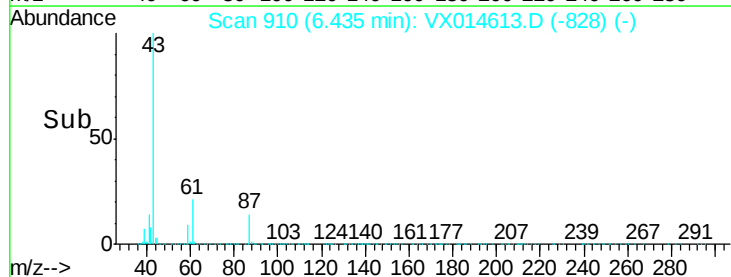
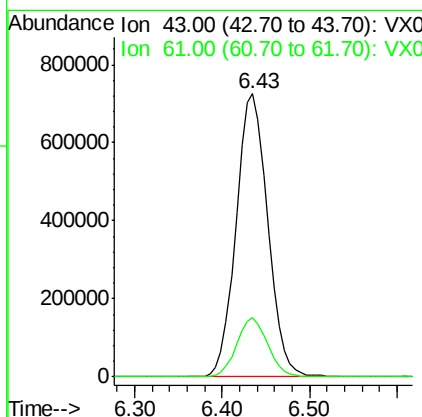
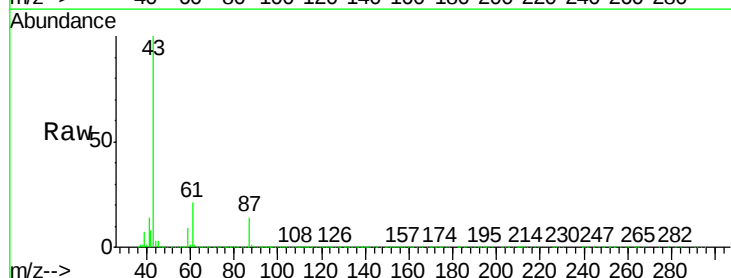
Manual Integrations
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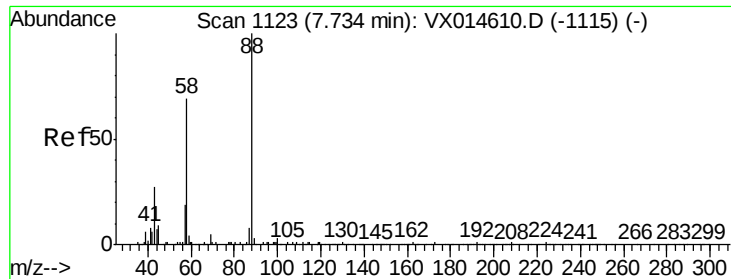
MMDadoda
1/16/2020 9:42:10 AM



#44
Isopropyl Acetate
Concen: 158.792 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 43 Resp: 1820004
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9





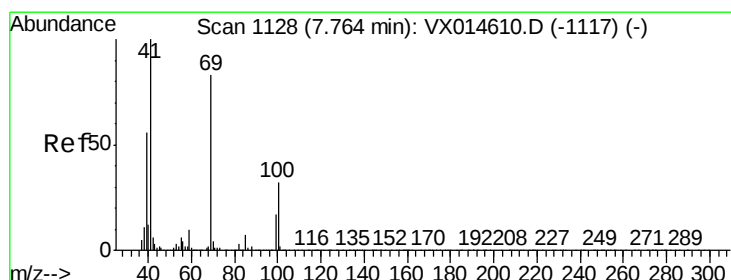
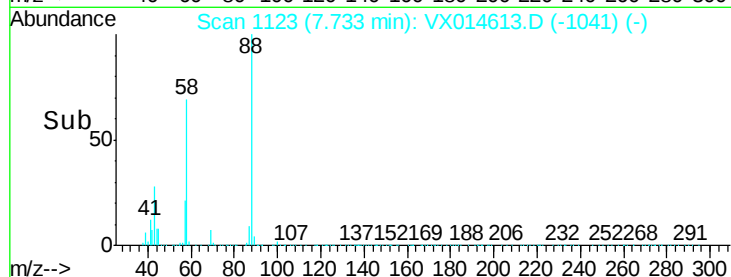
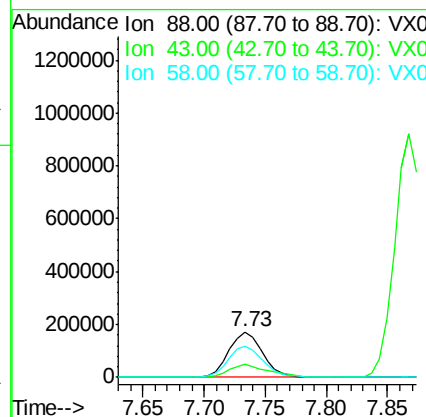
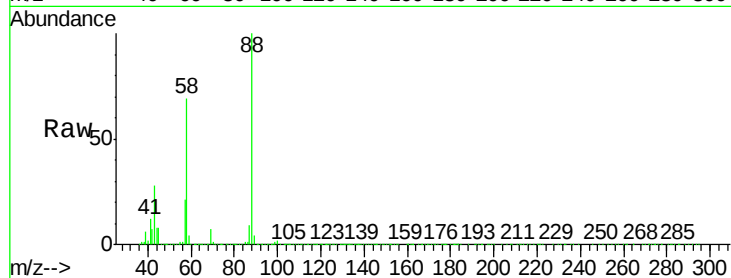
#45
1,4-Dioxane
Concen: 2779.297 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	327196
Ion Ratio	Lower	Upper	
88	100		
43	33.5	25.4	38.2
58	71.6	56.5	84.7

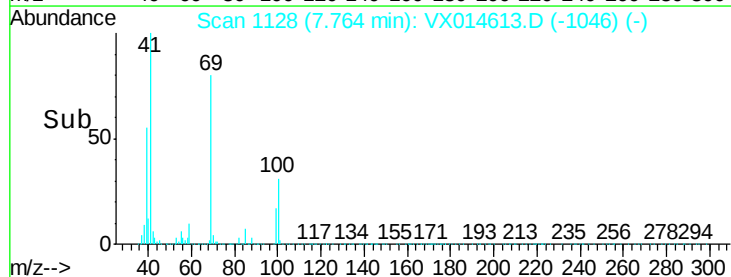
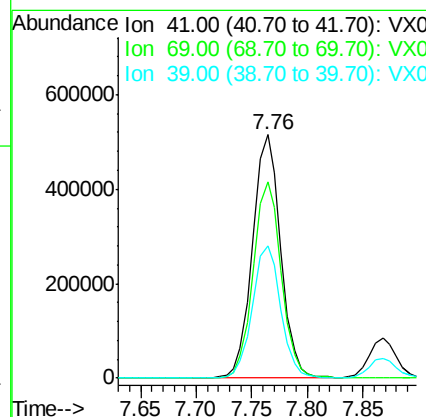
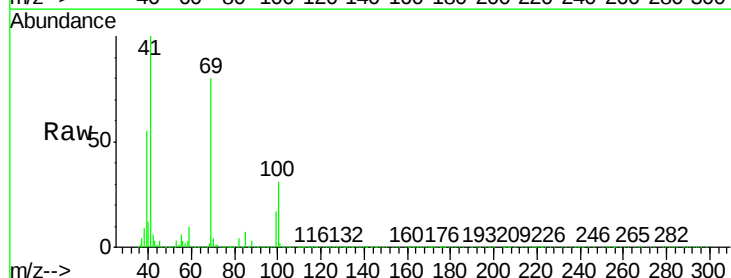
Manual Integrations
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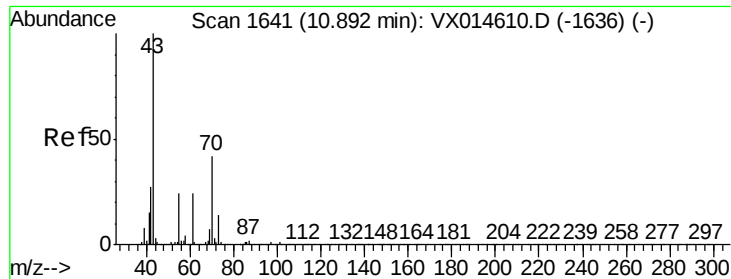
MMDadoda
1/16/2020 9:42:10 AM



#46
Methyl methacrylate
Concen: 161.621 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	41	Resp	907572
Ion Ratio	Lower	Upper	
41	100		
69	80.4	40.6	122.0
39	54.5	27.8	83.3





#47

n-amvl Acetate

Concen: 175.542 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1649427

Ion Ratio Lower Upper

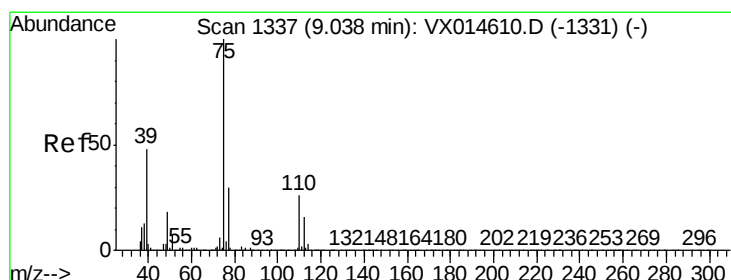
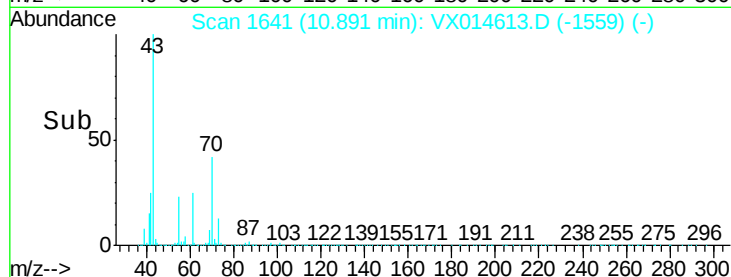
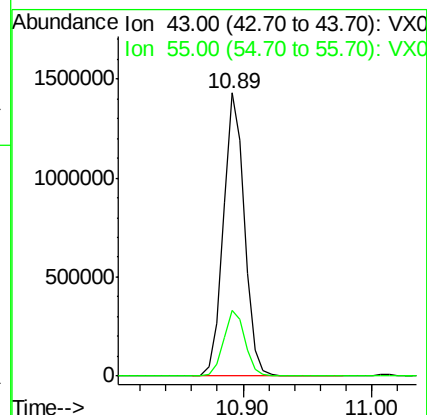
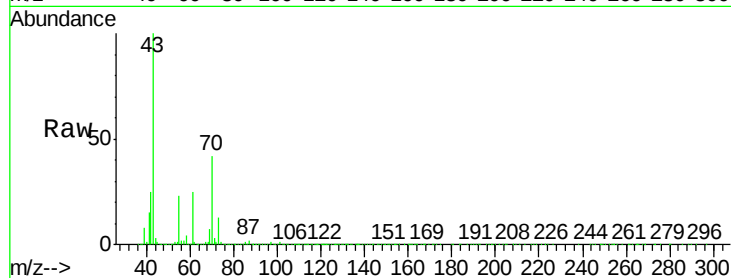
43 100

55 23.7 19.4 29.2

Manual Integrations
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1/16/2020 9:42:10 AM



#48

t-1,3-Dichloropropene

Concen: 169.651 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014613.D

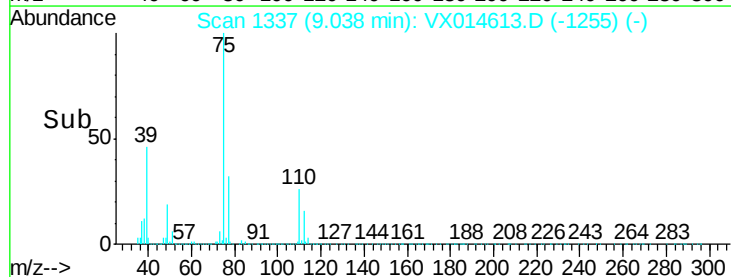
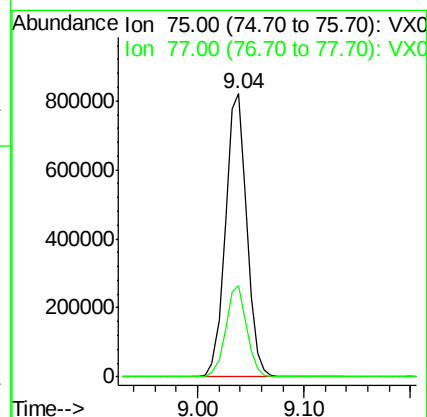
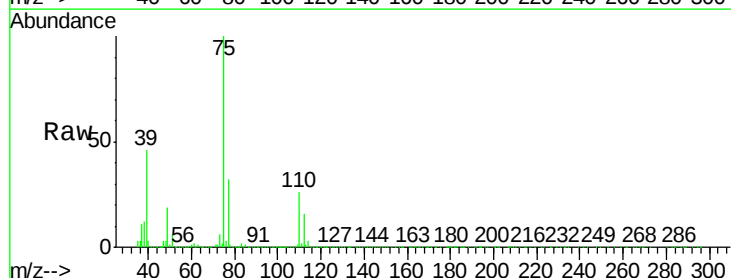
Acq: 15 Jan 2020 12:20

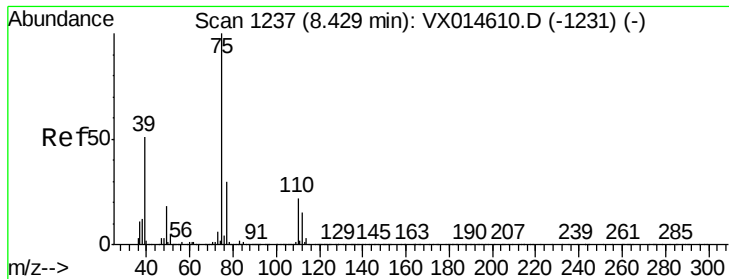
Tgt Ion: 75 Resp: 1144145

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0





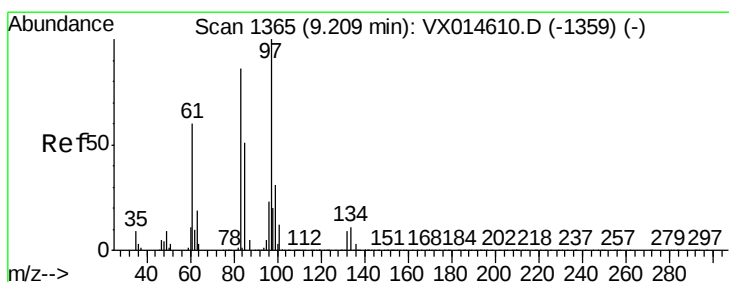
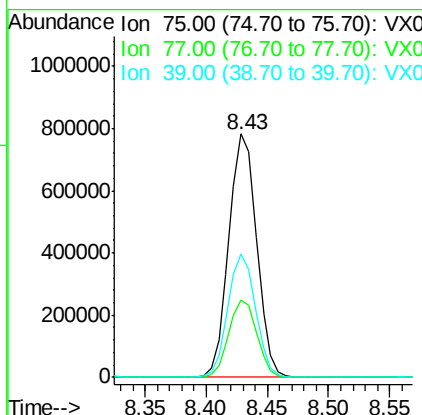
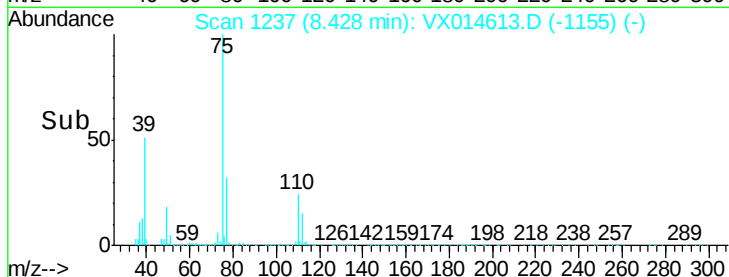
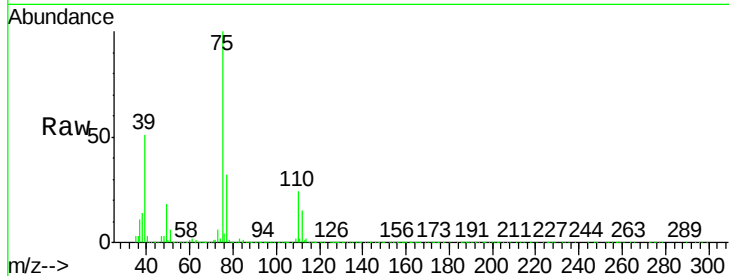
#49
 cis-1,3-Dichloropropene
 Concen: 160.055 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	75	Resp:	1231630
Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	50.8	41.1	61.7

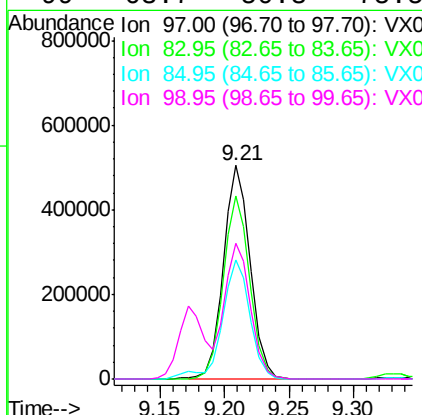
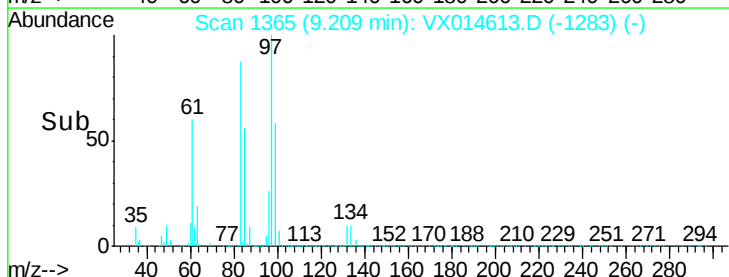
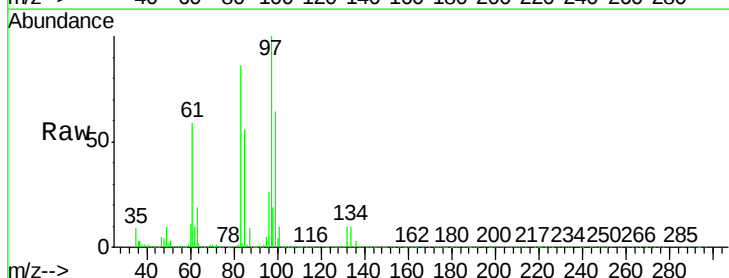
Manual Integrations
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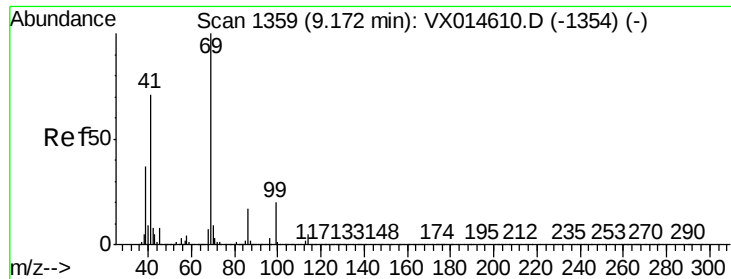
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 1/16/2020 9:42:10 AM



#50
 1,1,2-Trichloroethane
 Concen: 148.026 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion:	97	Resp:	731053
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	55.8	42.7	64.1
99	63.7	50.3	75.5





#51

Ethyl methacrylate

Concen: 166.406 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1248923

Ion Ratio Lower Upper

69 100

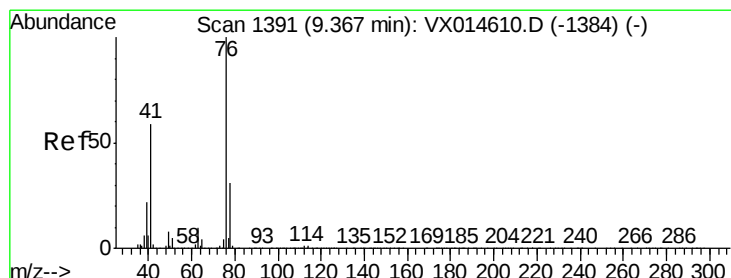
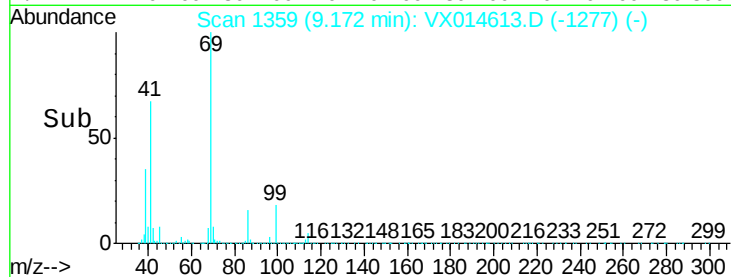
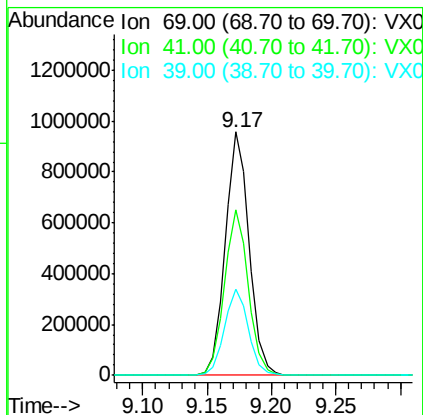
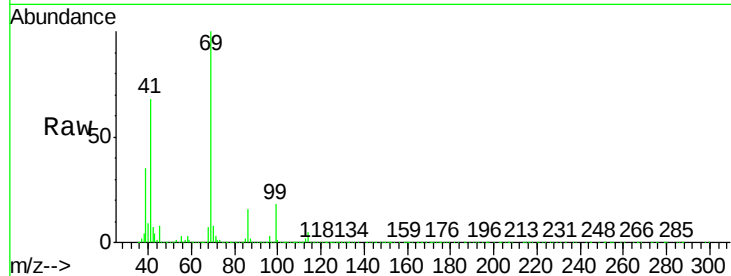
41 67.8 35.4 106.1

39 35.1 17.8 53.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 149.463 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014613.D

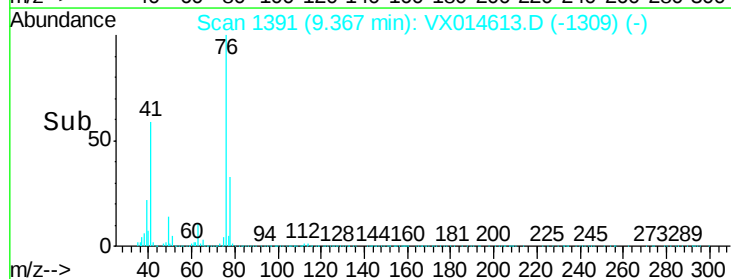
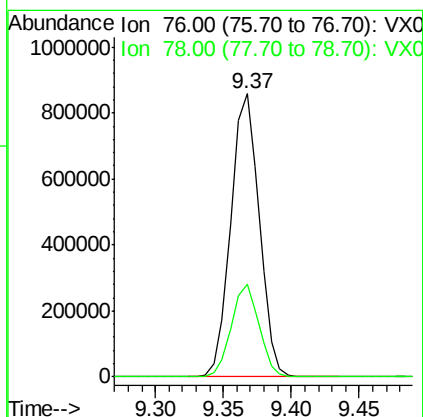
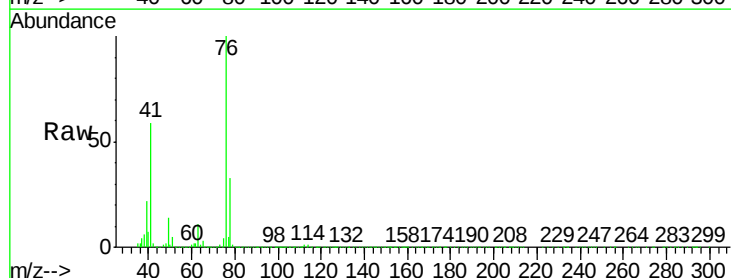
Acq: 15 Jan 2020 12:20

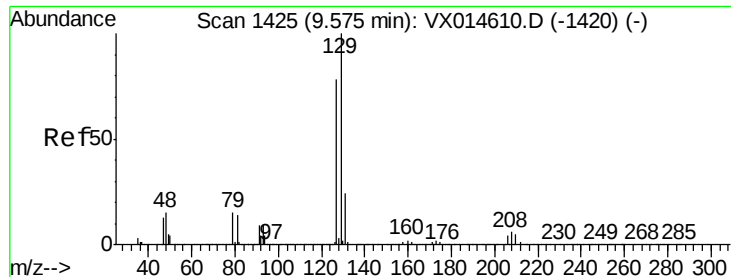
Tgt Ion: 76 Resp: 1248240

Ion Ratio Lower Upper

76 100

78 32.1 0.0 63.4





#53

Dibromochloromethane

Concen: 161.995 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 803325

Ion Ratio Lower Upper

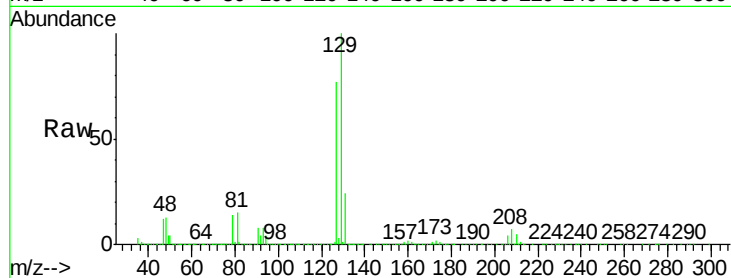
129 100

127 77.6 39.1 117.5

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

600000

500000

400000

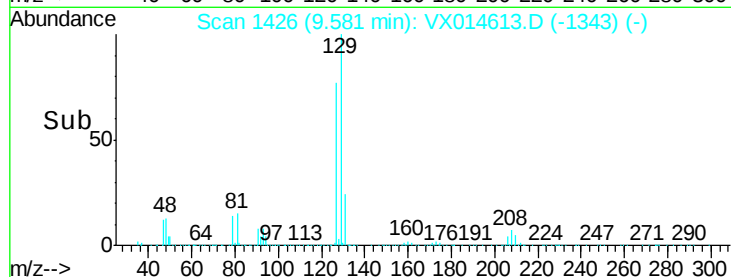
300000

200000

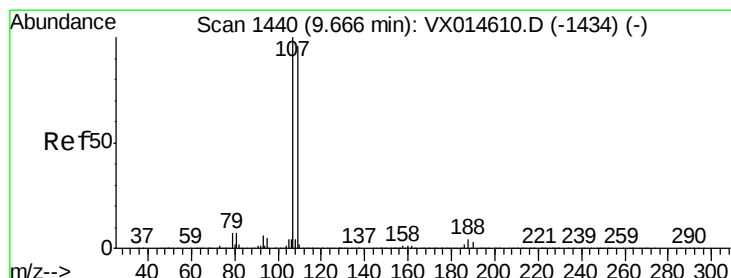
100000

0

9.50 9.55 9.60 9.65



Time-->



#54

1,2-Dibromoethane

Concen: 151.962 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014613.D

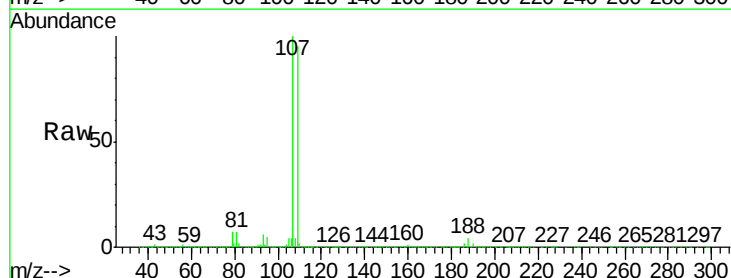
Acq: 15 Jan 2020 12:20

Tgt Ion:107 Resp: 774273

Ion Ratio Lower Upper

107 100

109 95.4 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

500000

400000

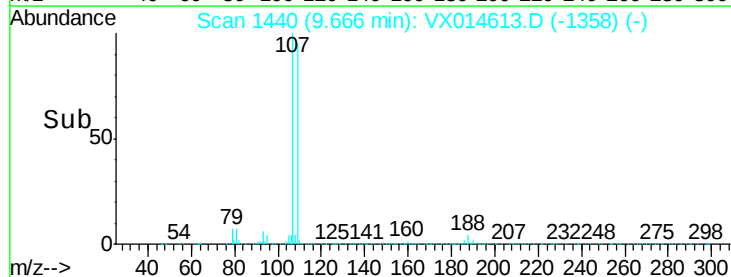
300000

200000

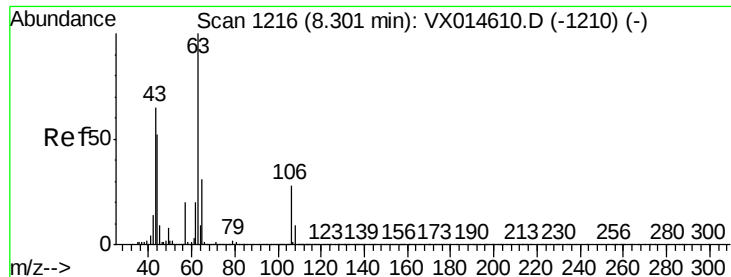
100000

0

9.60 9.65 9.70 9.75



Time-->



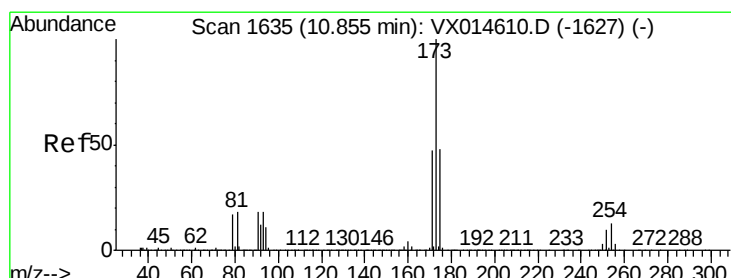
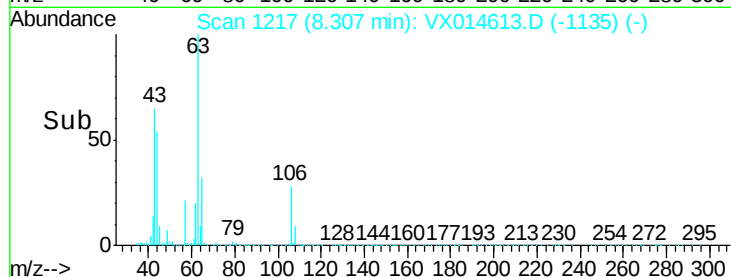
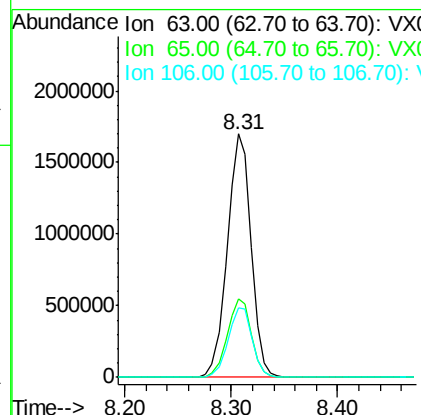
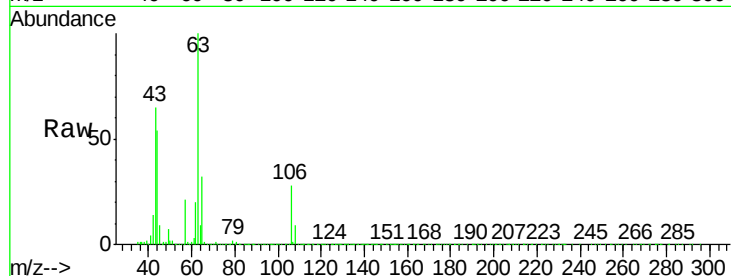
#55
2-Chloroethyl vinyl ether
Concen: 750.430 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 2644751
Ion Ratio Lower Upper
63 100
65 32.3 25.8 38.6
106 29.0 22.9 34.3

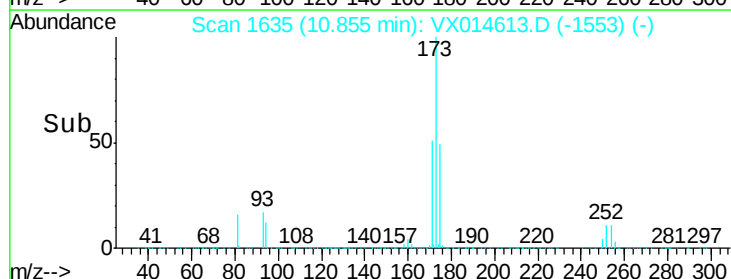
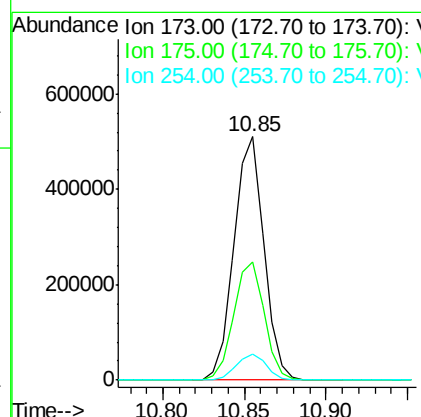
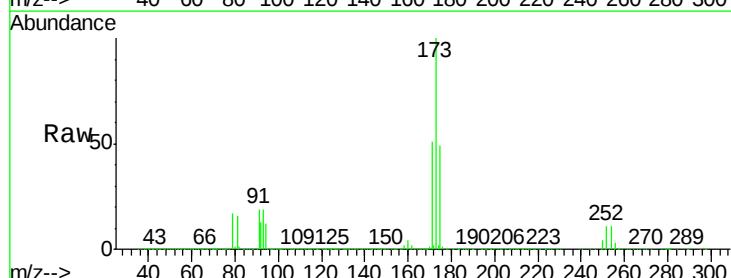
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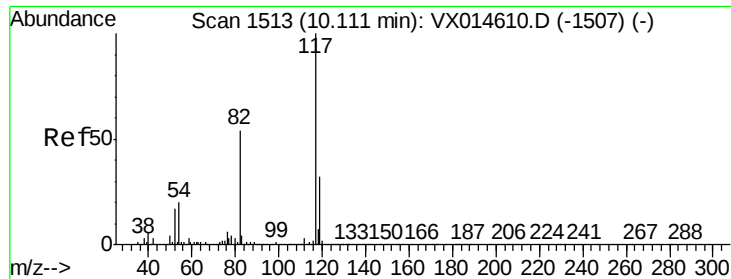
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1/16/2020 9:42:10 AM



#56
Bromoform
Concen: 173.820 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 173 Resp: 653790
Ion Ratio Lower Upper
173 100
175 49.2 39.5 59.3
254 10.7 8.2 12.4





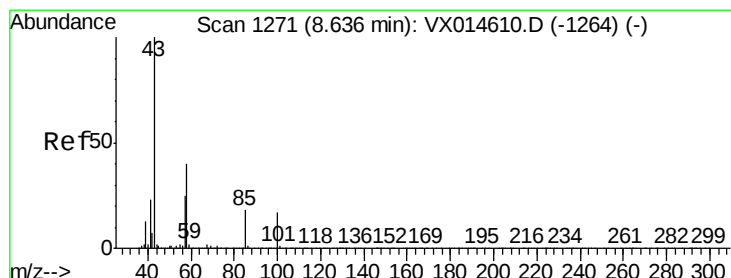
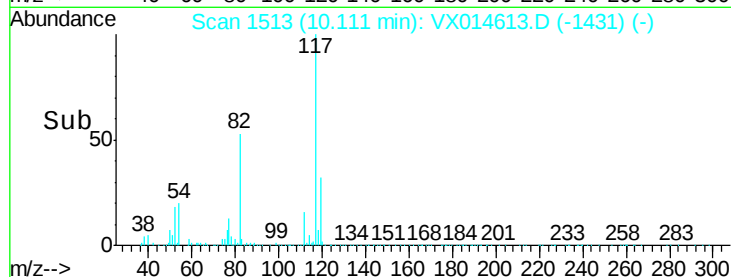
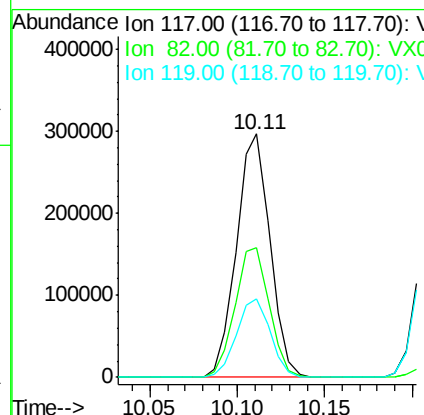
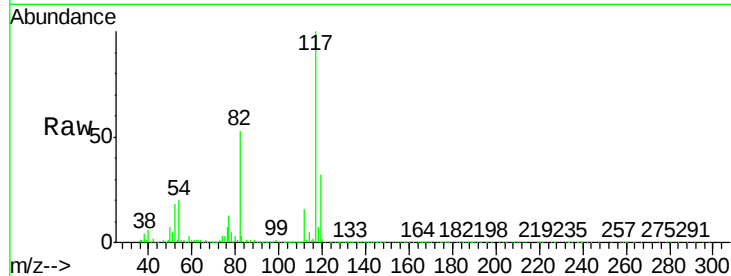
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.8	65.6
119	32.3	25.8	38.6

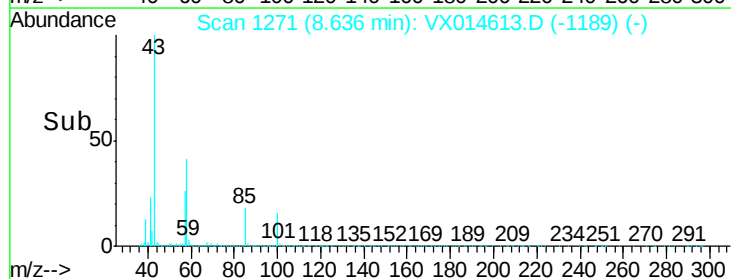
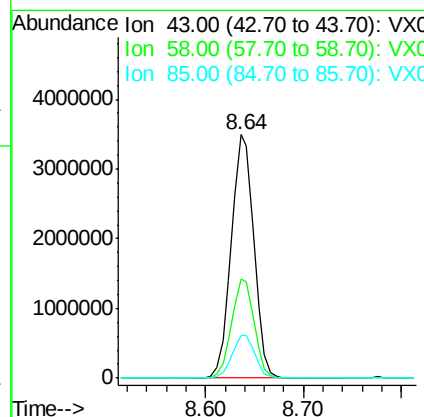
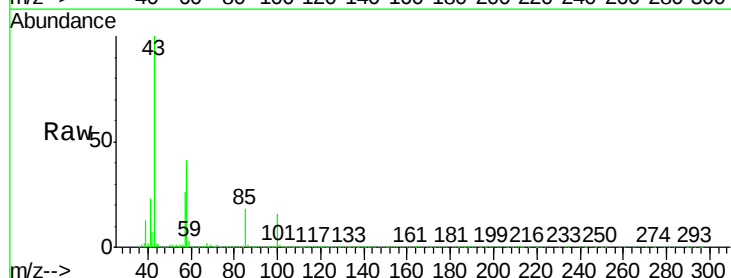
Manual Integrations
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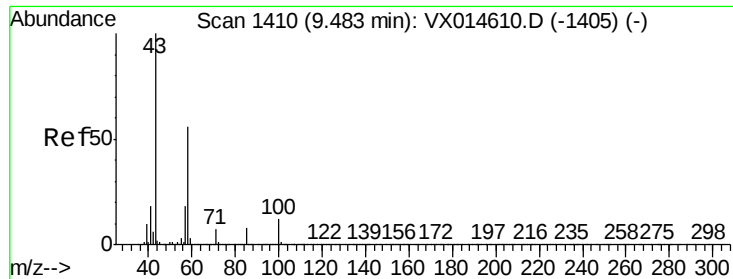
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 750.643 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.2	46.8
85	17.9	14.2	21.2





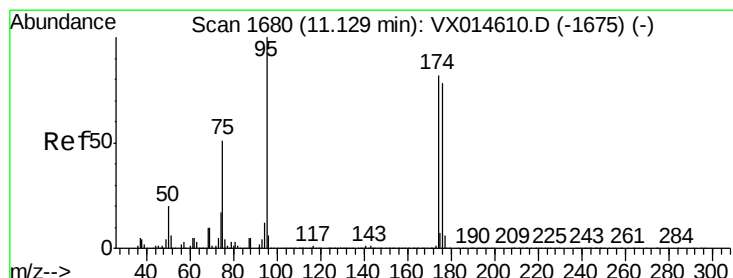
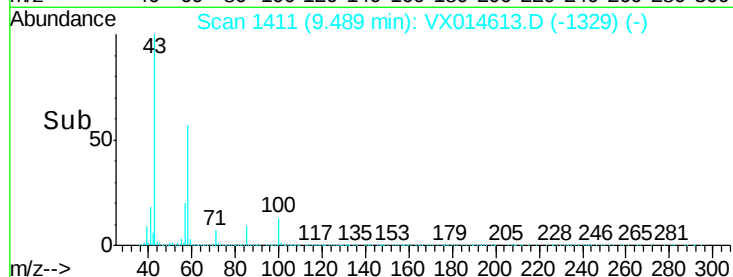
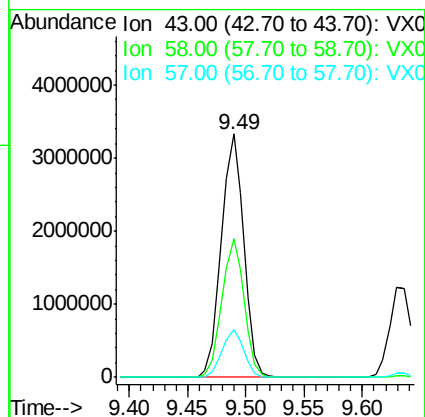
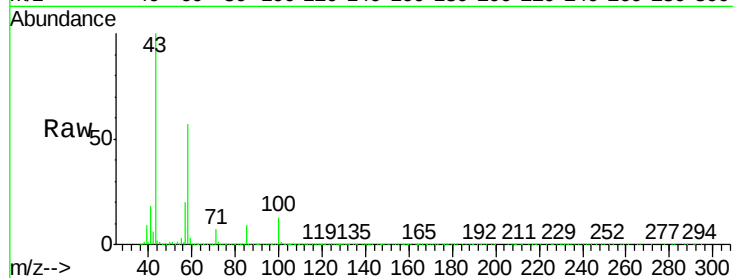
#59
2-Hexanone
Concen: 773.334 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4424165
Ion Ratio Lower Upper
43 100
58 56.1 43.8 65.6
57 19.3 15.4 23.0

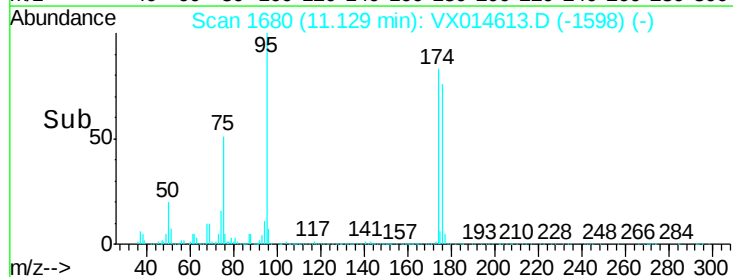
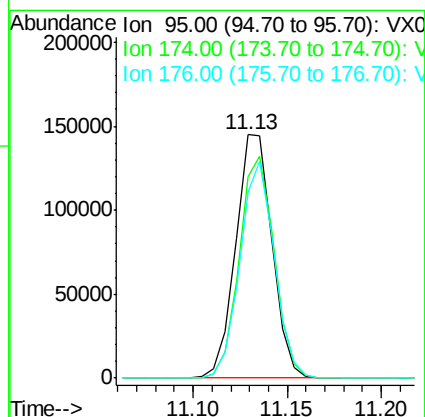
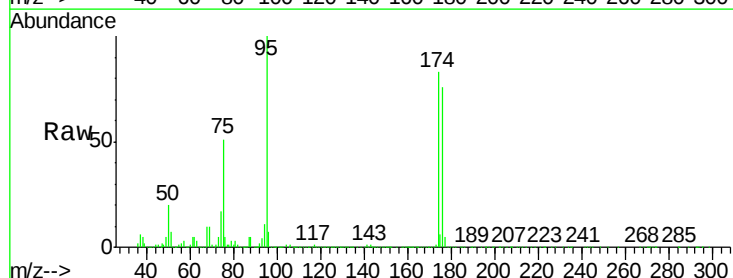
Manual Integrations
APPROVED

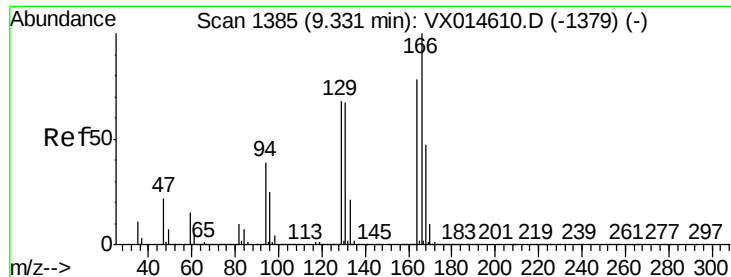
MMDadoda
1/16/2020 9:42:10 AM



#60
4-Bromofluorobenzene
Concen: 30.705 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 95 Resp: 193295
Ion Ratio Lower Upper
95 100
174 87.9 70.2 105.2
176 84.2 68.3 102.5





#61

Tetrachloroethene

Concen: 147.934 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

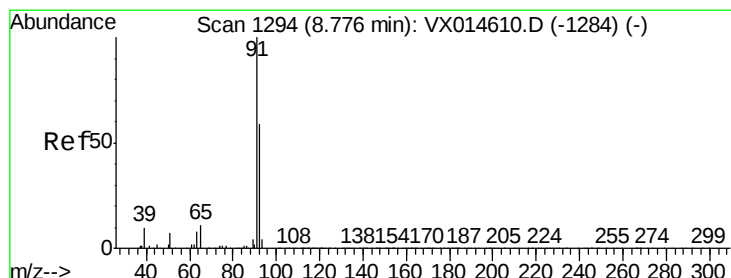
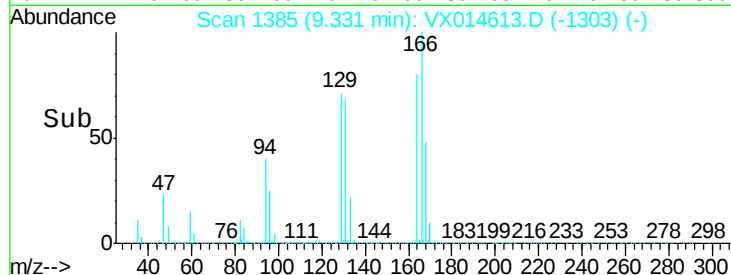
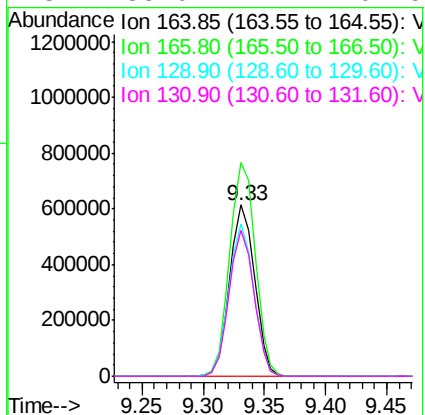
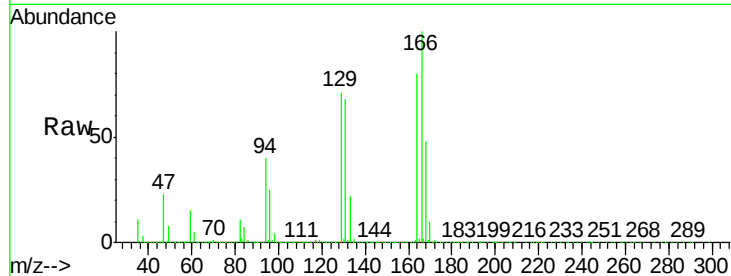
ClientSampleId :

VSTDICC150

Tot Ion:	164	Resp:	866622
Ion Ratio	Lower	Upper	
164	100		
166	124.9	104.2	156.2
129	88.7	71.6	107.4
131	85.0	71.7	107.5

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#62

Toluene

Concen: 146.096 ug/l

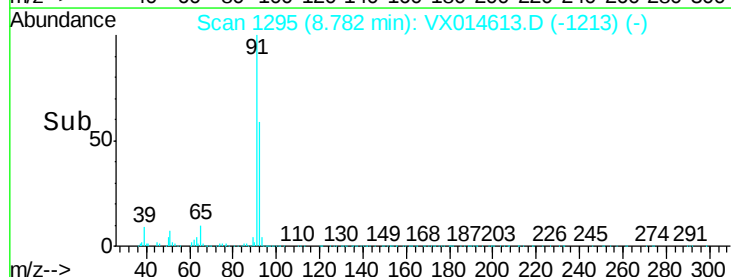
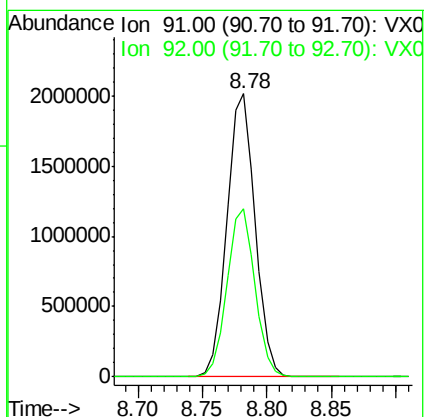
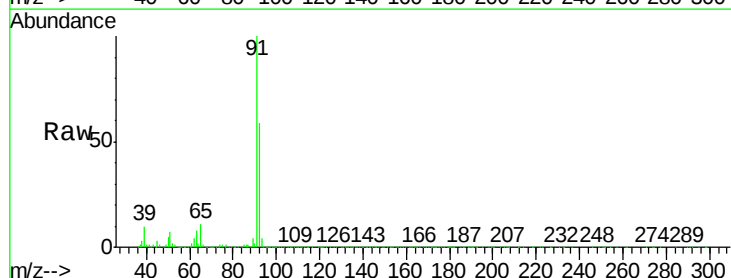
RT: 8.78 min Scan# 1295

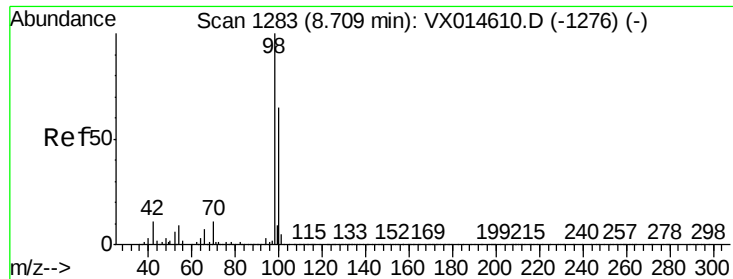
Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Tgt Ion:	91	Resp:	3079686
Ion Ratio	Lower	Upper	
91	100		
92	59.1	46.4	69.6





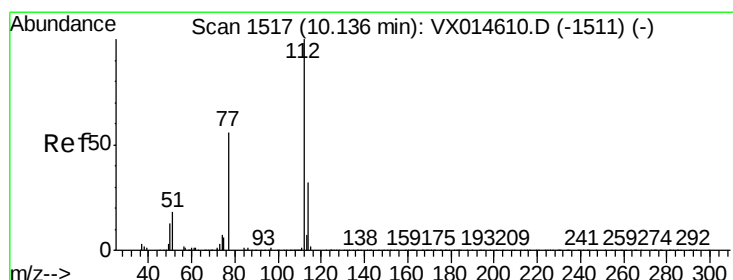
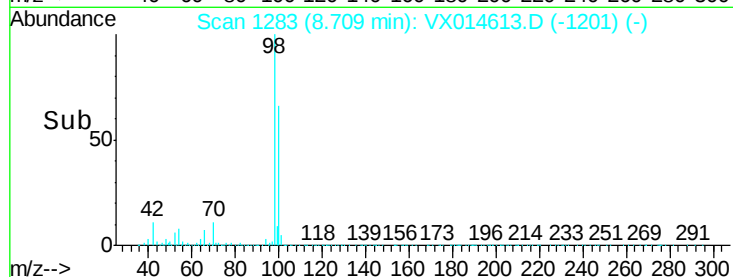
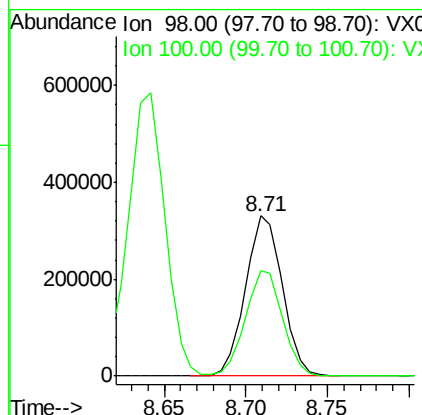
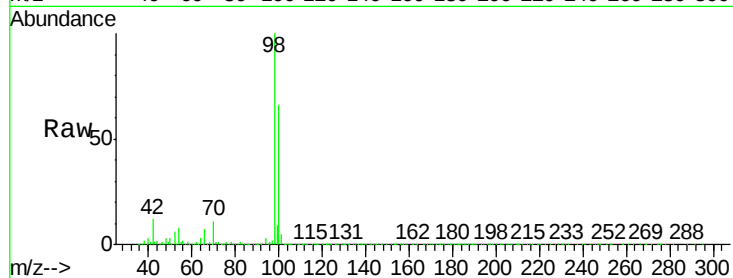
#63
Toluene-d8
Concen: 29.012 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 521393
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2

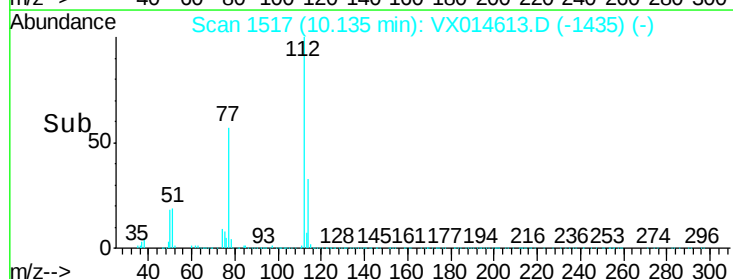
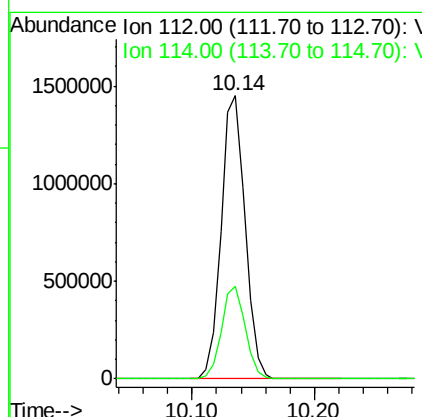
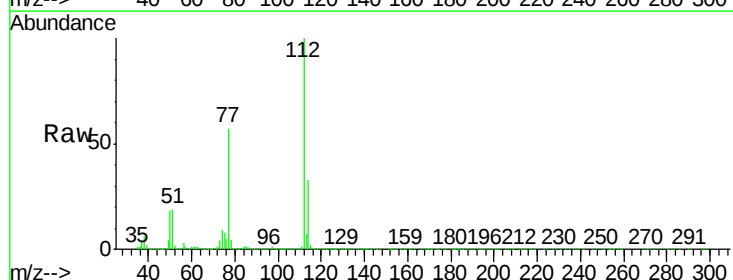
Manual Integrations
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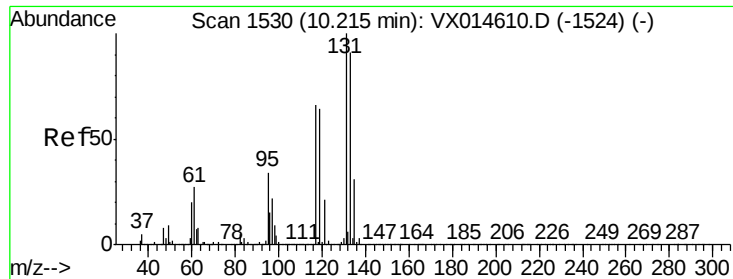
MMDadoda
1/16/2020 9:42:10 AM



#64
Chlorobenzene
Concen: 150.861 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 112 Resp: 1972621
Ion Ratio Lower Upper
112 100
114 32.7 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 152.111 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

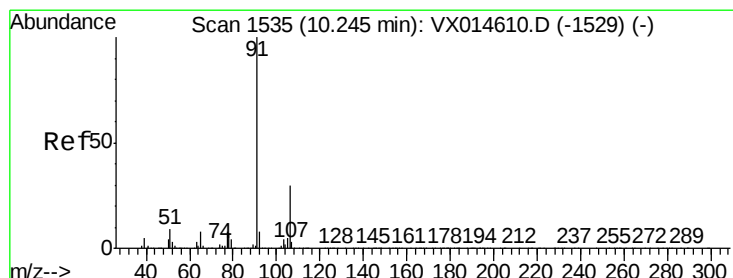
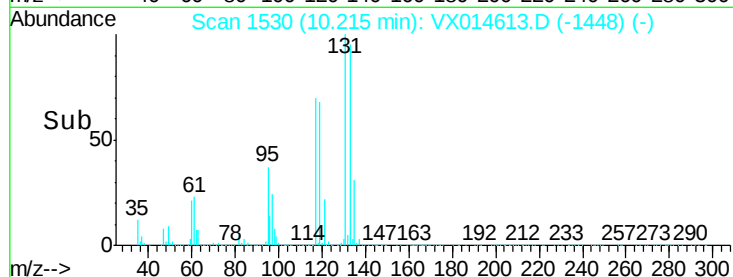
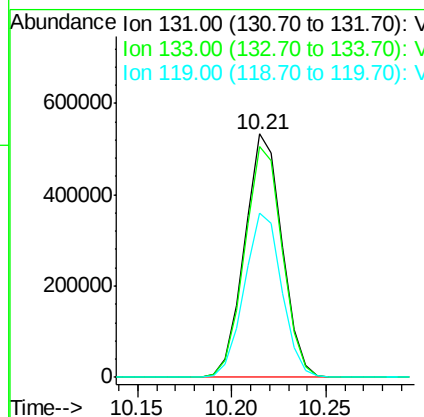
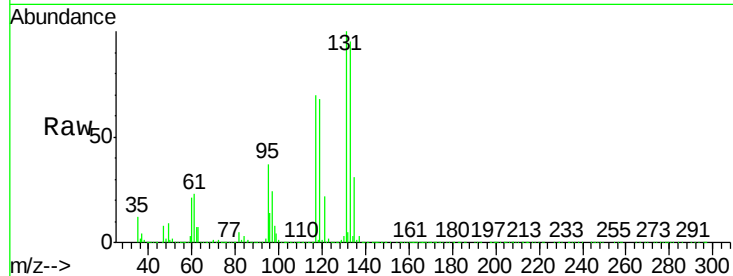
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	733373
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	189.8
119	67.4	0.0	132.2

Manual Integrations
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1/16/2020 9:42:10 AM



#66

Ethyl Benzene

Concen: 152.927 ug/l

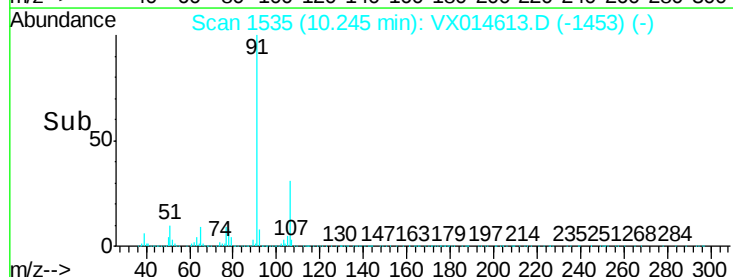
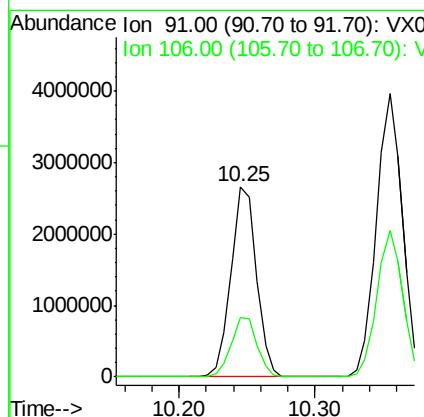
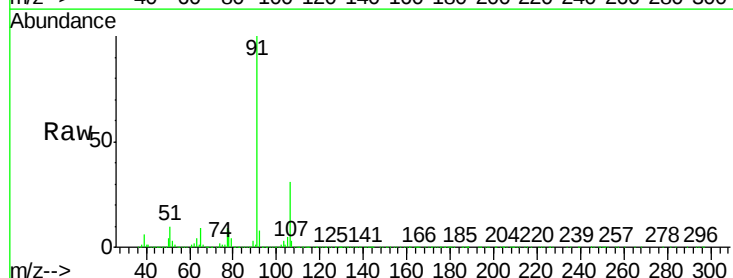
RT: 10.25 min Scan# 1535

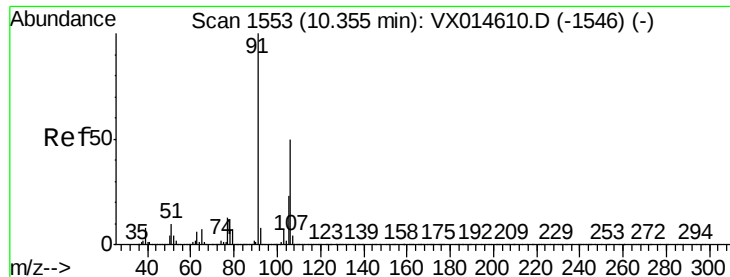
Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Tgt Ion:	91	Resp:	3479403
Ion Ratio	Lower	Upper	
91	100		
106	31.4	24.2	36.2





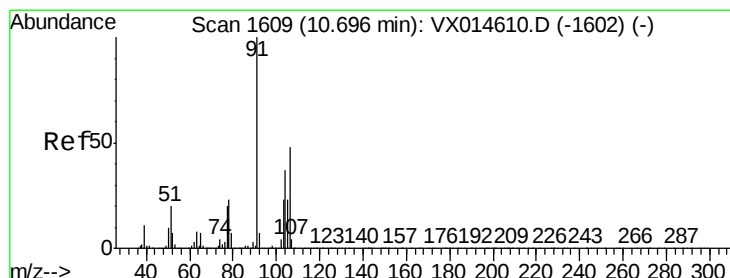
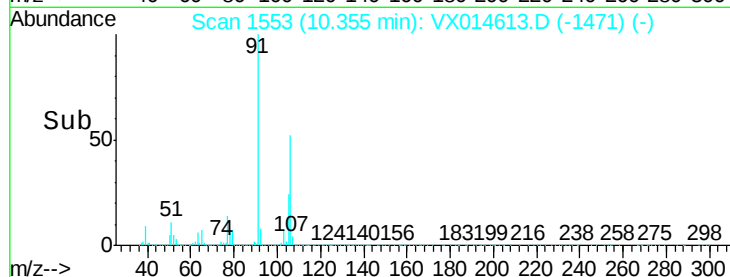
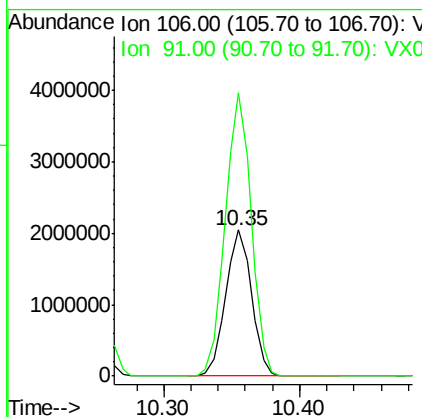
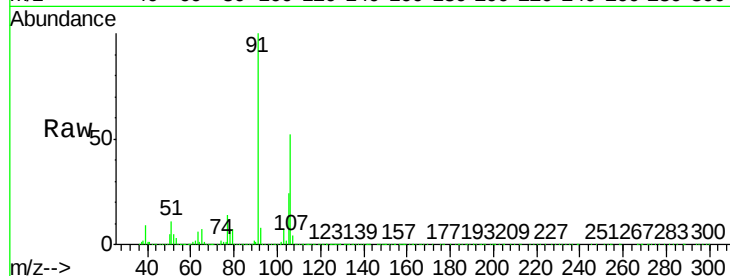
#67
m/p-Xvlenes
Concen: 311.039 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:106 Resp: 2701390
Ion Ratio Lower Upper
106 100
91 194.6 159.3 238.9

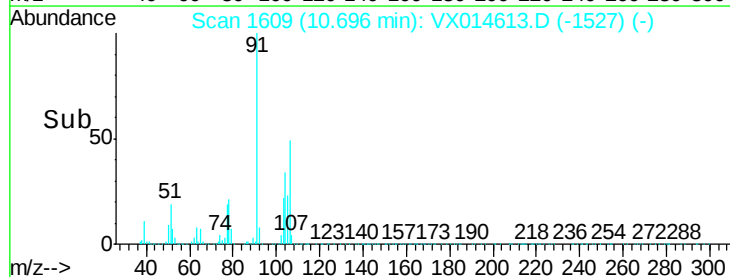
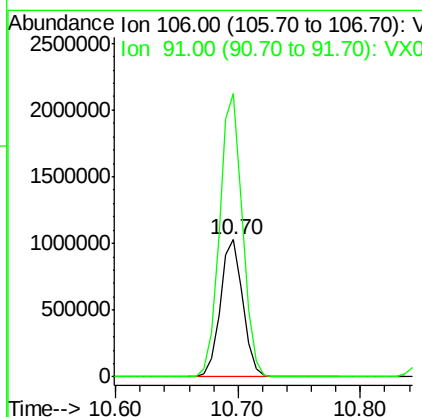
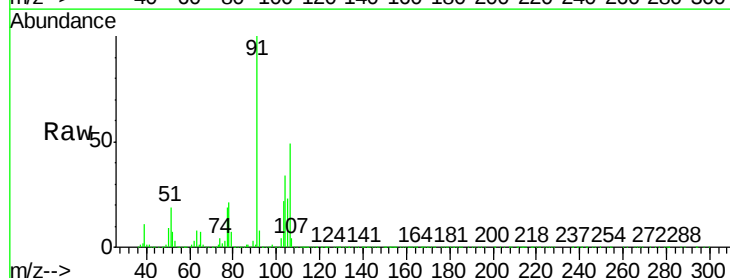
Manual Integrations
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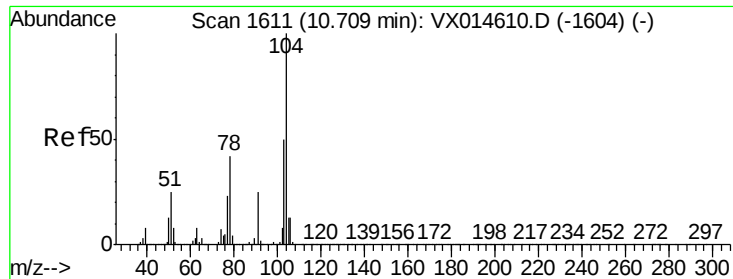
MMDadoda
1/16/2020 9:42:10 AM



#68
o-Xylene
Concen: 154.669 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion:106 Resp: 1309549
Ion Ratio Lower Upper
106 100
91 209.4 104.8 314.6





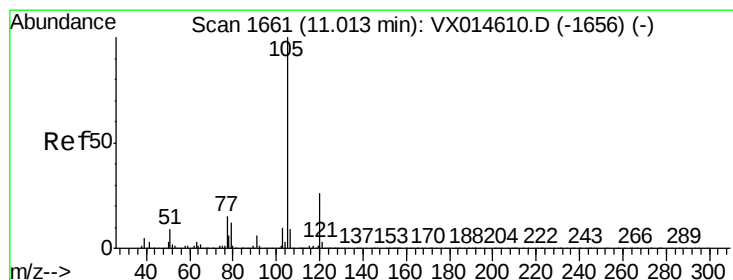
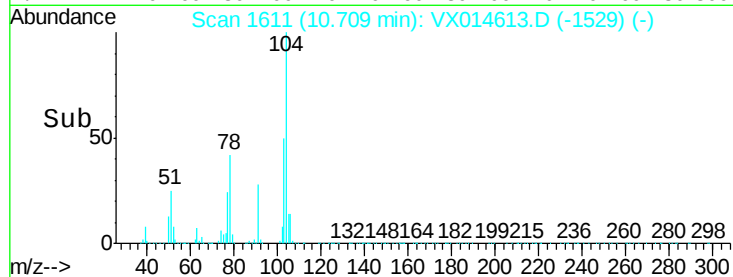
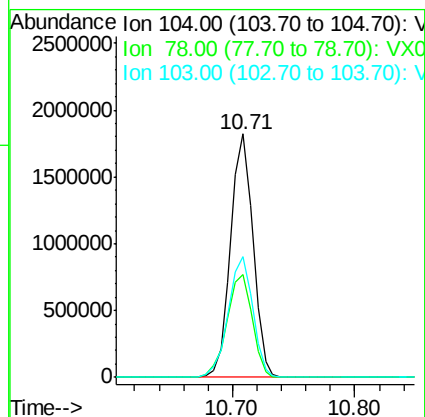
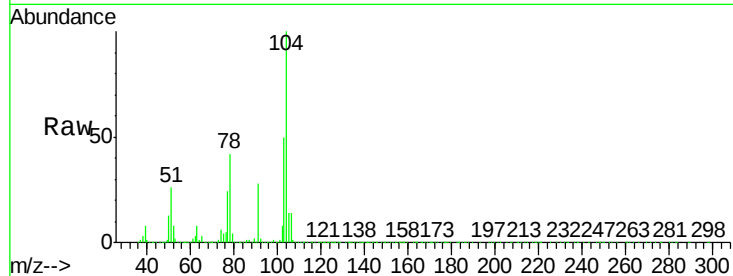
#69
Stvrene
Concen: 161.711 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.9	58.3
103	54.1	44.2	66.2

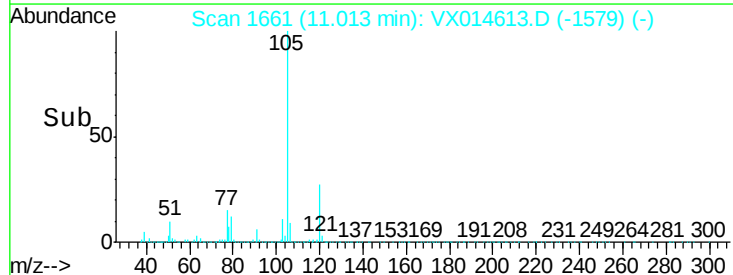
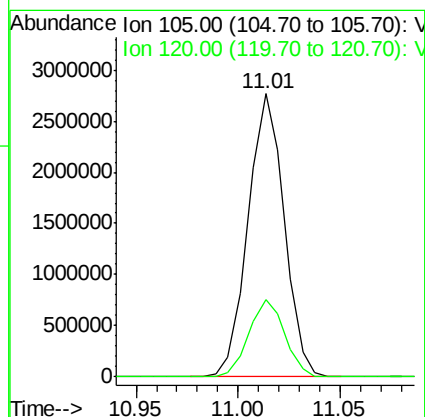
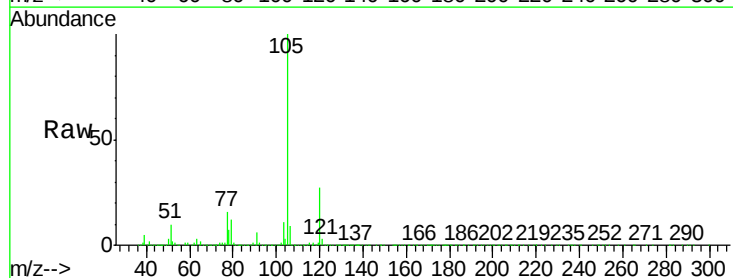
Manual Integrations
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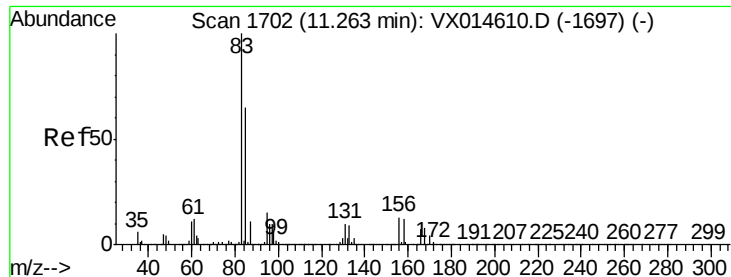
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#70
Isopropylbenzene
Concen: 153.345 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.1	35.5





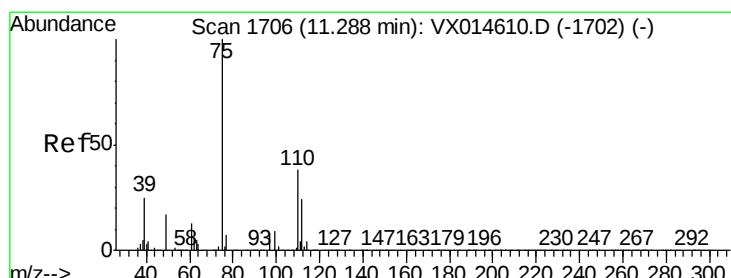
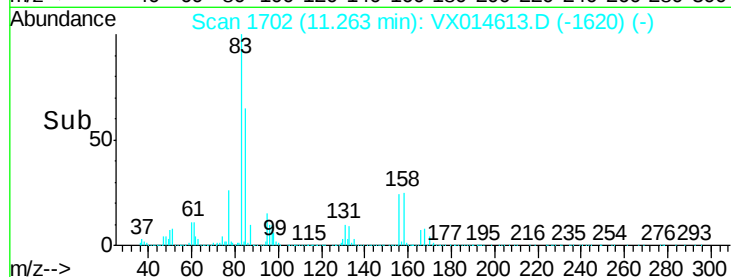
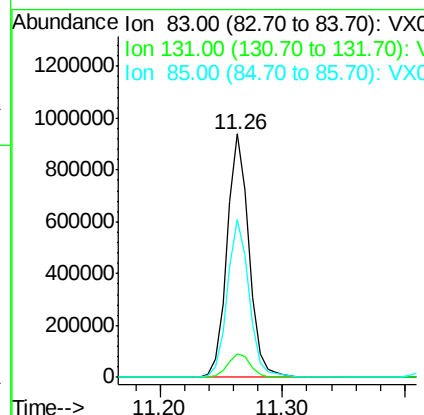
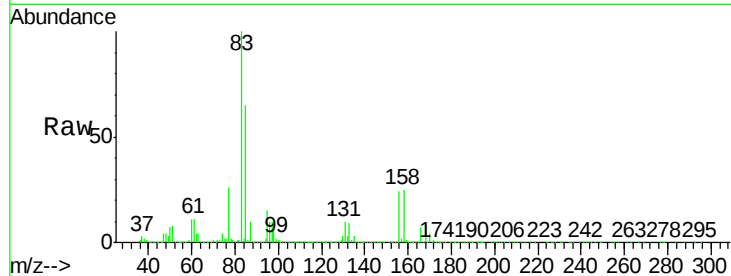
#71
 1,1,2,2-Tetrachloroethane
 Concen: 155.520 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.5	31.6	94.7

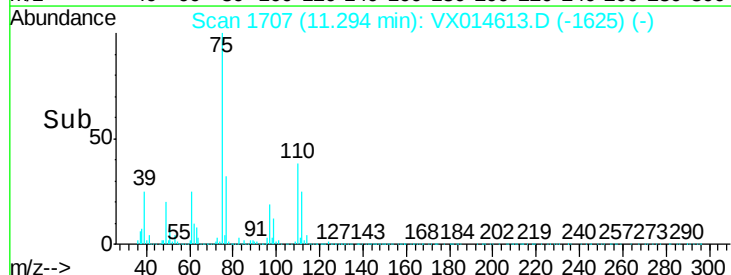
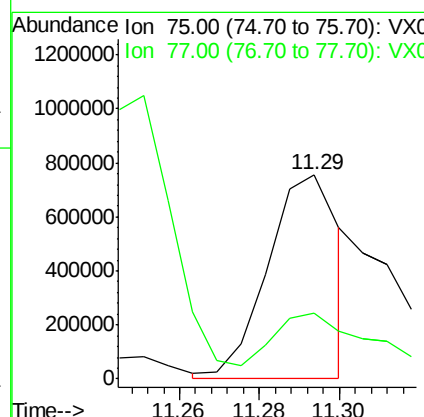
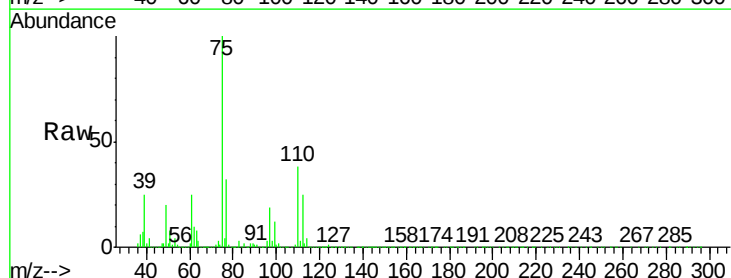
Manual Integrations
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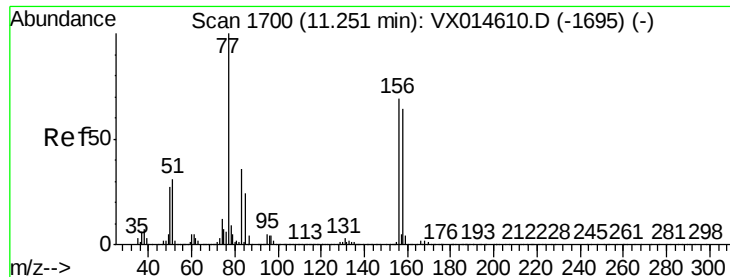
MMDadoda
 1/16/2020 9:42:10 AM



#72
 1,2,3-Trichloropropane
 Concen: 144.924 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.8	0.0	68.4





#73

Bromobenzene

Concen: 153.797 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

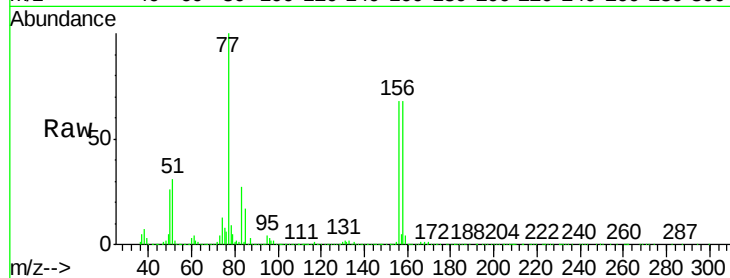
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	905355
Ion Ratio	Lower	Upper	
156	100		
77	152.5	0.0	304.6
158	97.9	0.0	195.2

Manual Integrations
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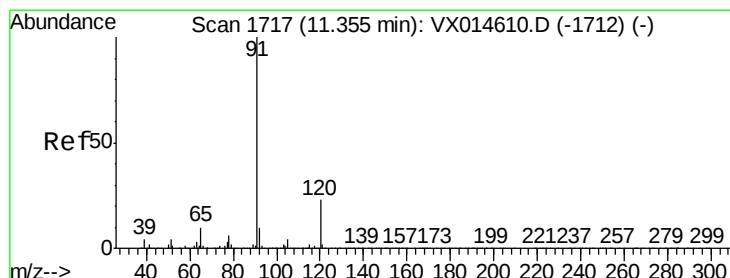
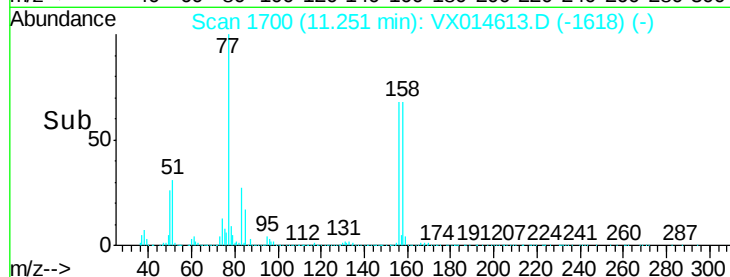
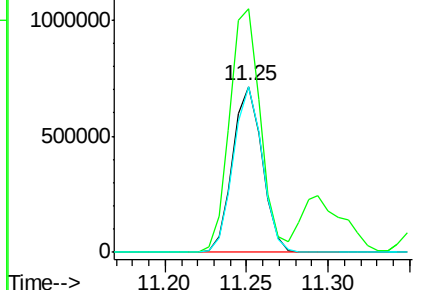
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 155.901 ug/l

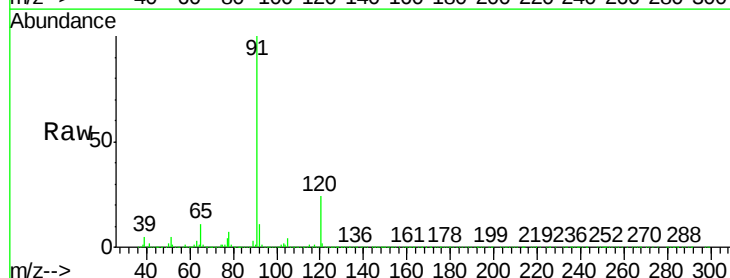
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014613.D

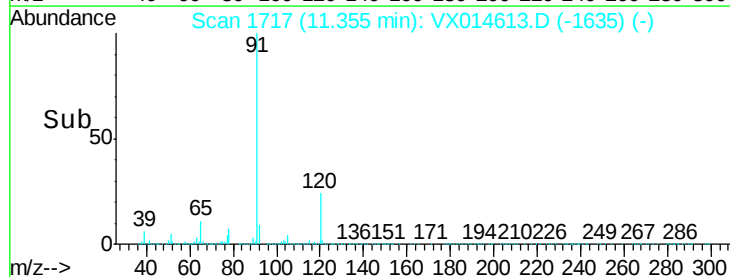
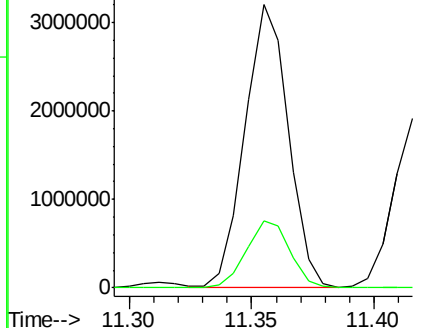
Acq: 15 Jan 2020 12:20

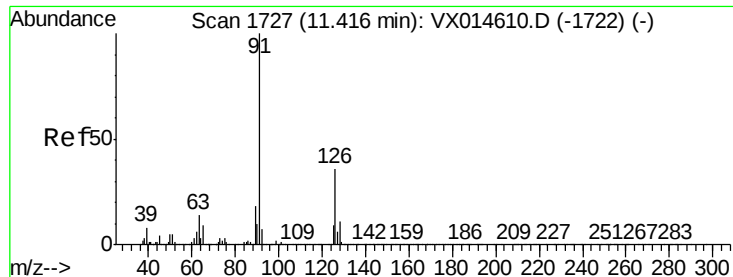
Tgt Ion:	91	Resp:	3945059
Ion Ratio	Lower	Upper	
91	100		
120	23.7	0.0	44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 150.854 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2303198

Ion Ratio Lower Upper

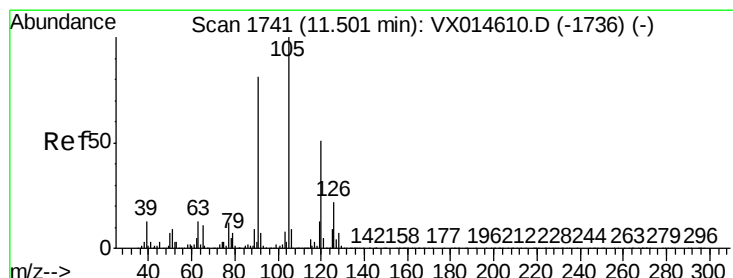
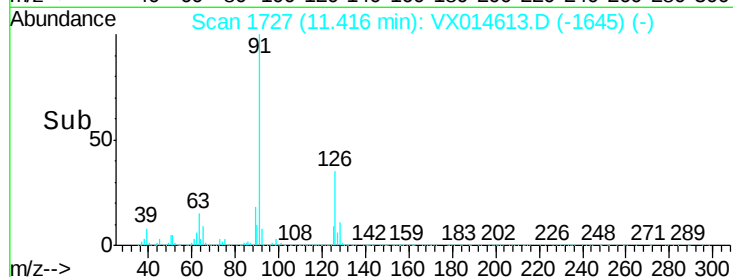
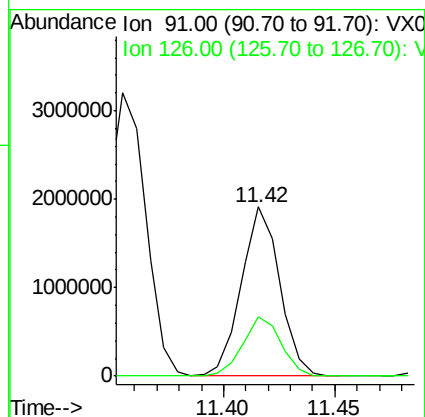
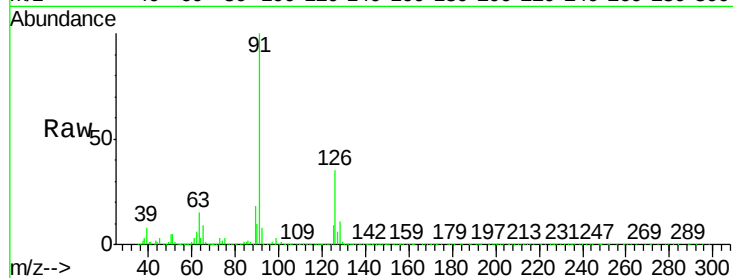
91 100

126 35.0 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 157.947 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014613.D

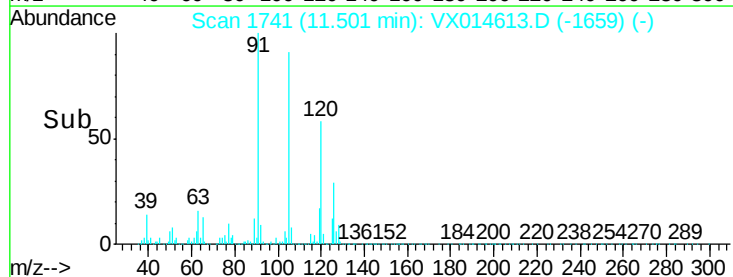
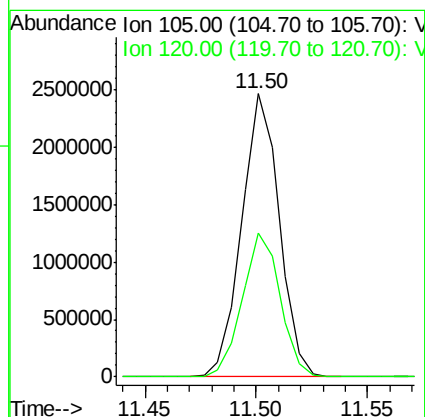
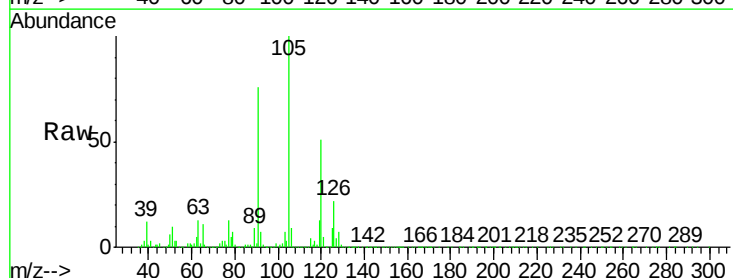
Acq: 15 Jan 2020 12:20

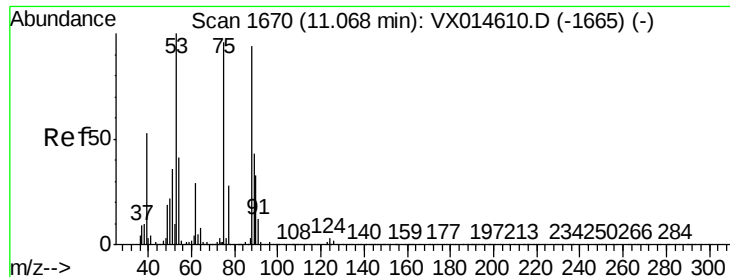
Tgt Ion: 105 Resp: 2906665

Ion Ratio Lower Upper

105 100

120 51.0 0.0 100.6





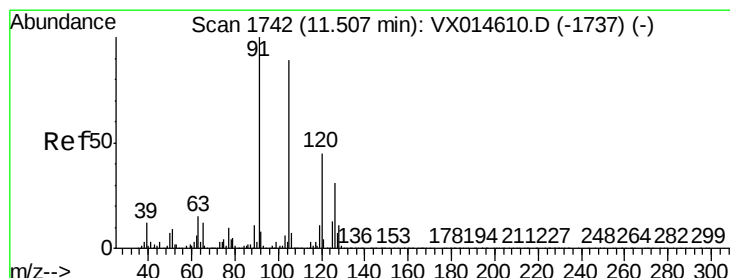
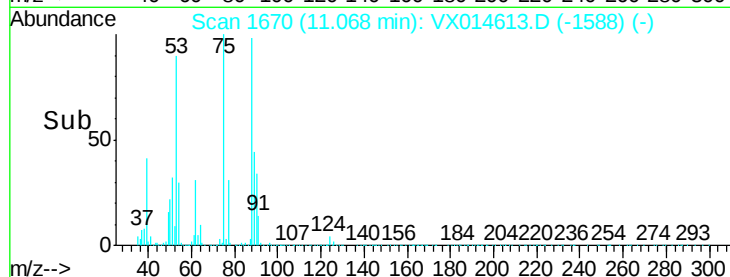
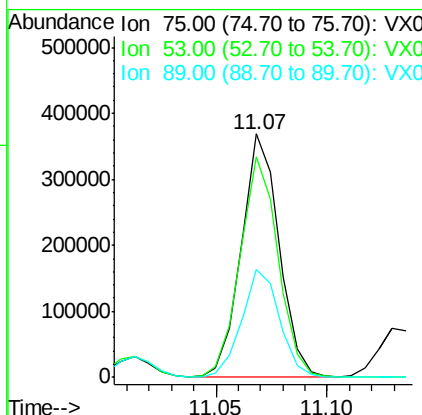
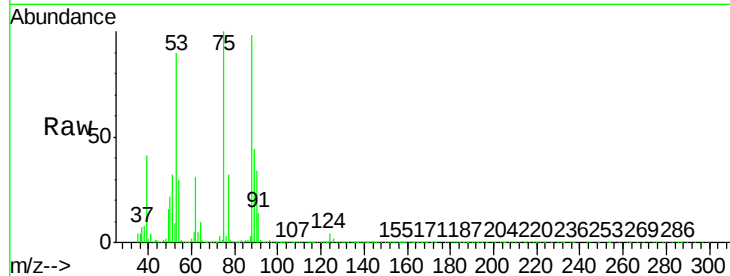
#77
t-1,4-Dichloro-2-butene
Concen: 185.015 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	54.4	163.1
89	44.2	21.9	65.5

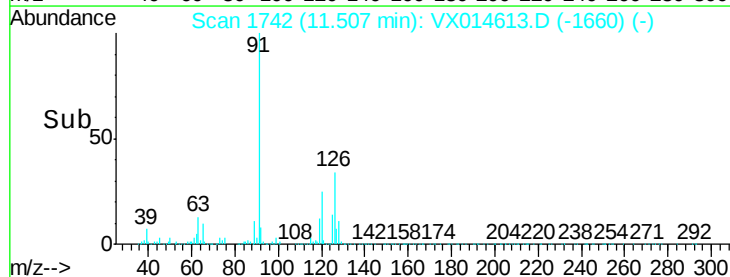
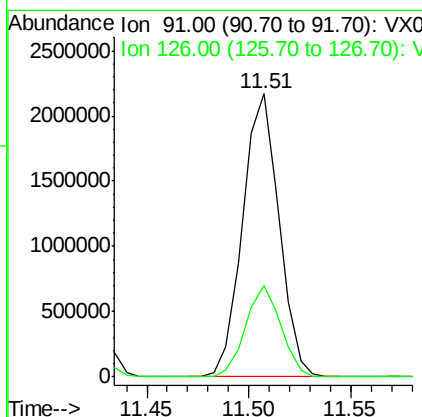
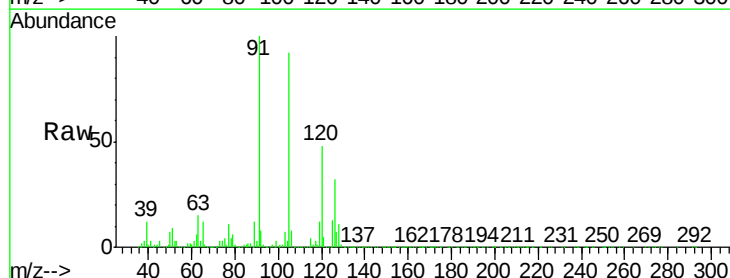
Manual Integrations
APPROVED

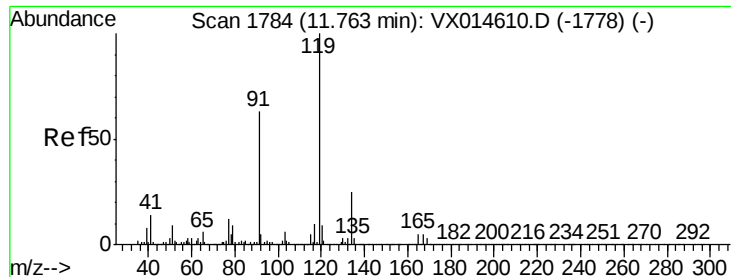
MMDadoda
1/16/2020 9:42:10 AM



#78
4-Chlorotoluene
Concen: 156.057 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	59.6





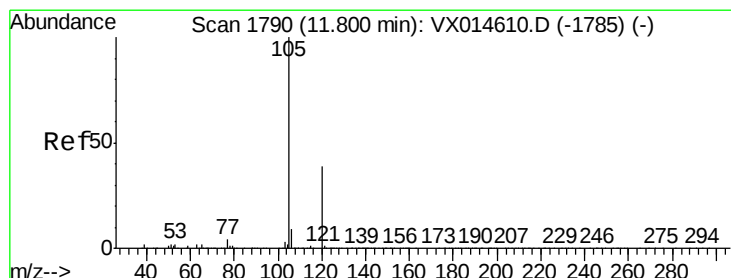
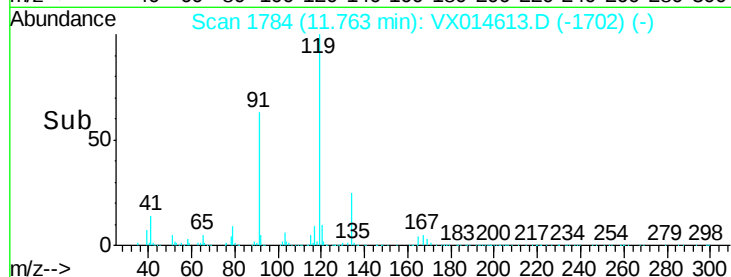
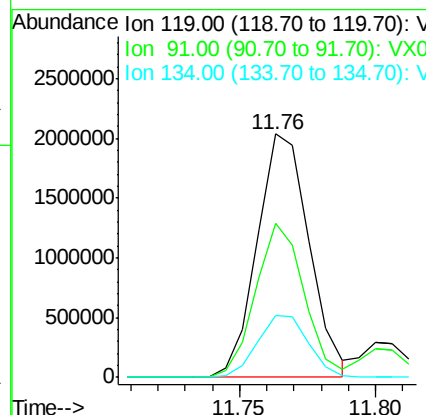
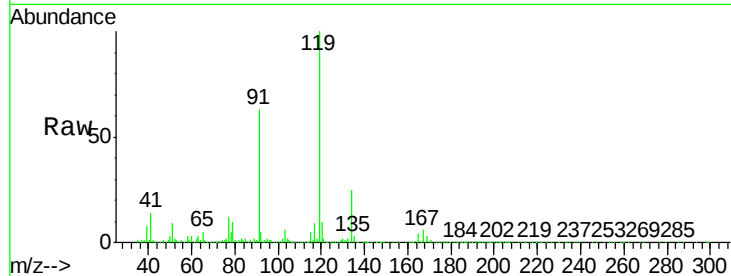
#79
tert-butylbenzene
Concen: 156.313 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	0.0	112.6
134	25.0	0.0	49.8

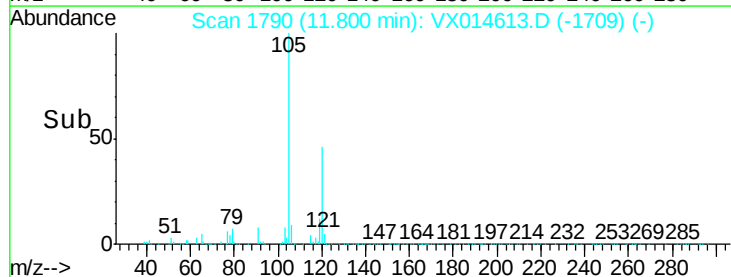
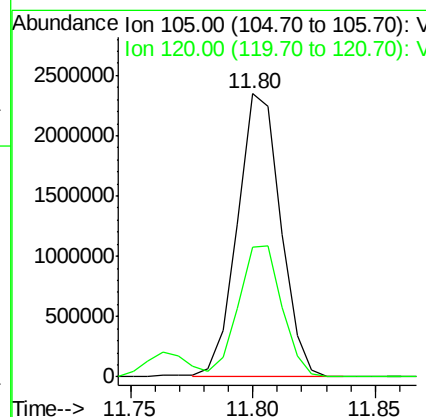
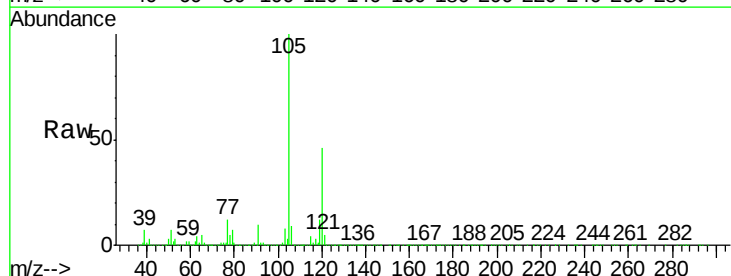
Manual Integrations
APPROVED

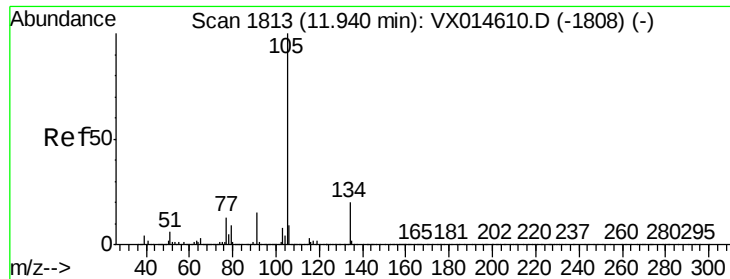
MMDadoda
1/16/2020 9:42:10 AM



#80
1,2,4-Trimethylbenzene
Concen: 156.584 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	0.0	92.0





#81

sec-Butylbenzene

Concen: 157.818 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3363265

Ion Ratio Lower Upper

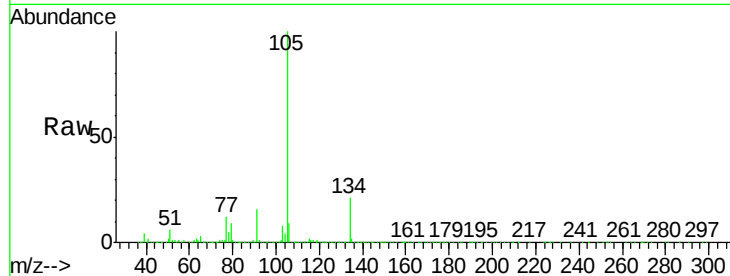
105 100

134 20.9 0.0 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

3000000

2500000

2000000

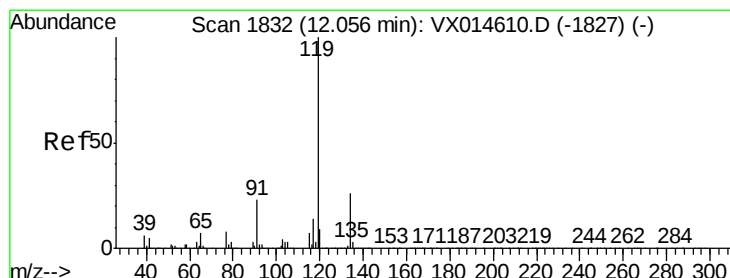
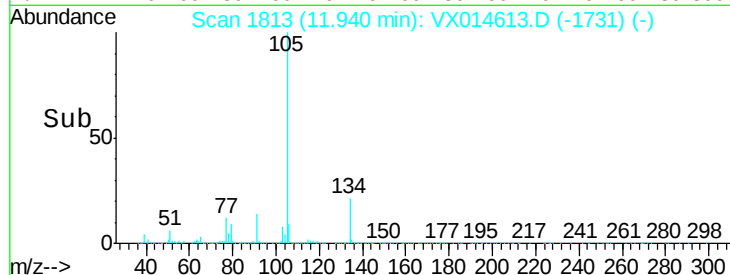
1500000

1000000

500000

0

Time-->



#82

p-Isopropyltoluene

Concen: 160.631 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

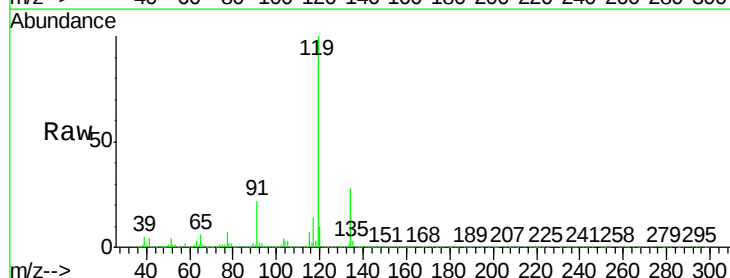
Tgt Ion:119 Resp: 3113548

Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.8

91 22.7 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

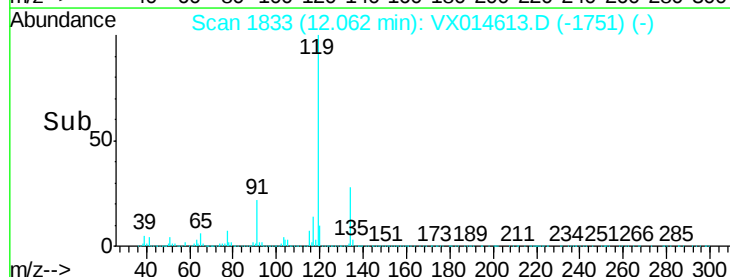
3000000

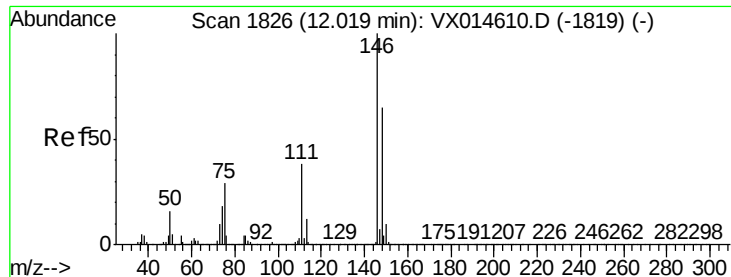
2000000

1000000

0

Time-->





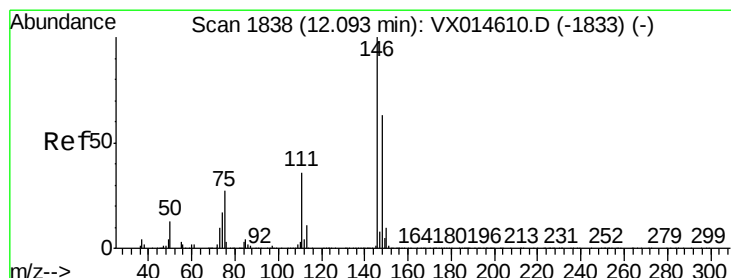
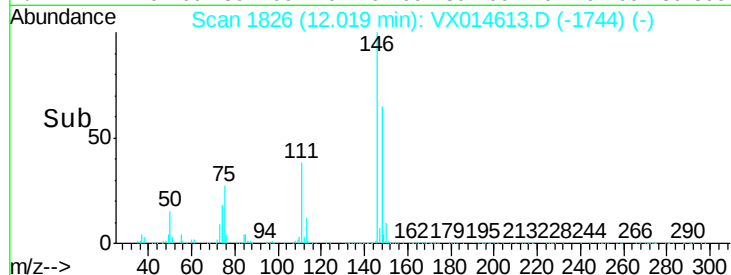
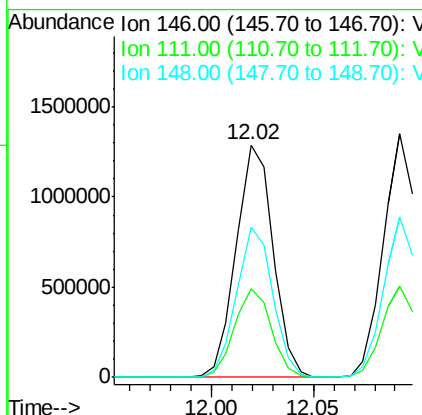
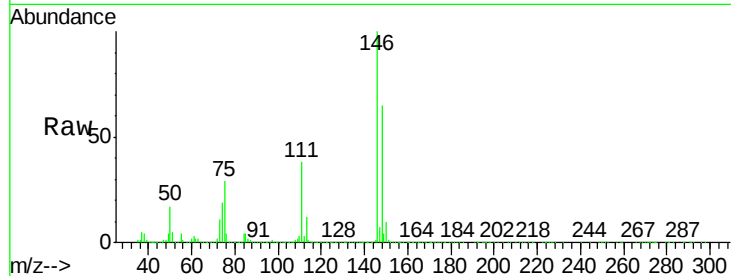
#83
 1,3-Dichlorobenzene
 Concen: 158.755 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	63.4	32.2	96.6

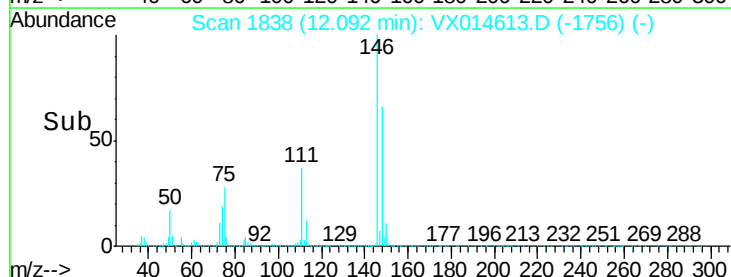
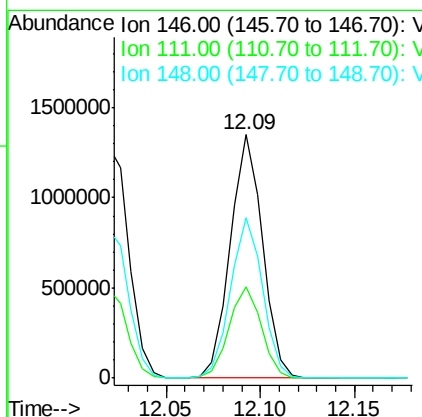
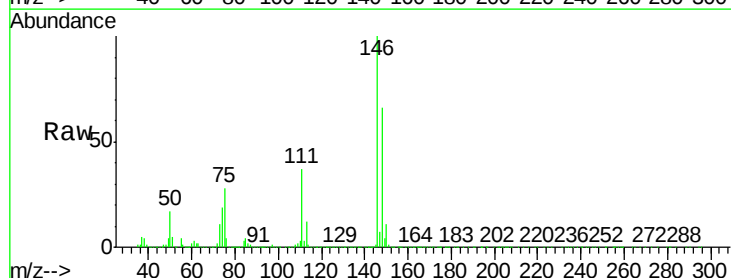
Manual Integrations
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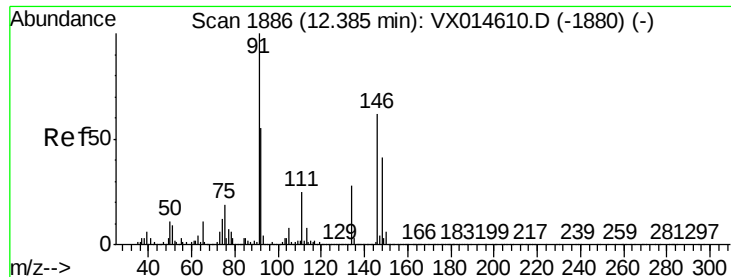
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#84
 1,4-Dichlorobenzene
 Concen: 157.858 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.4
148	65.3	32.0	96.0





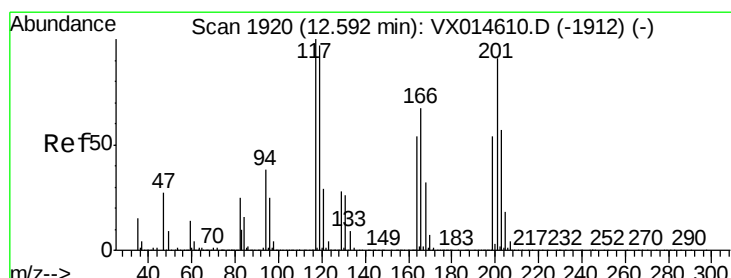
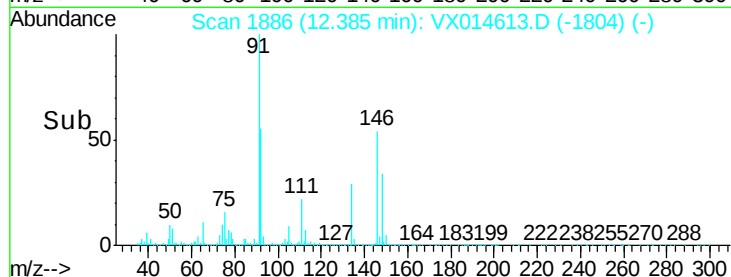
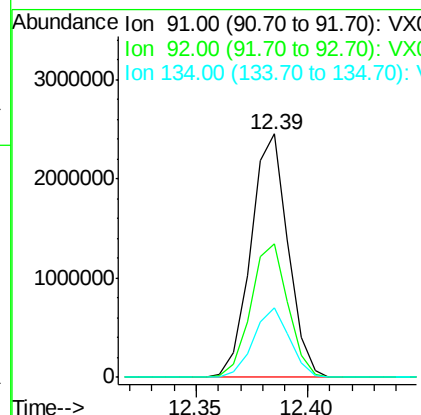
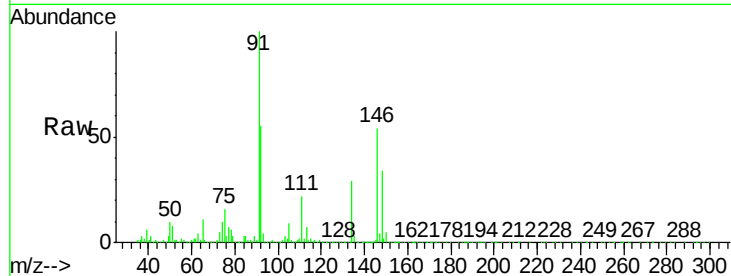
#85
n-Butylbenzene
Concen: 170.493 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2854454
Ion Ratio Lower Upper
91 100
92 55.3 0.0 109.0
134 27.6 0.0 54.0

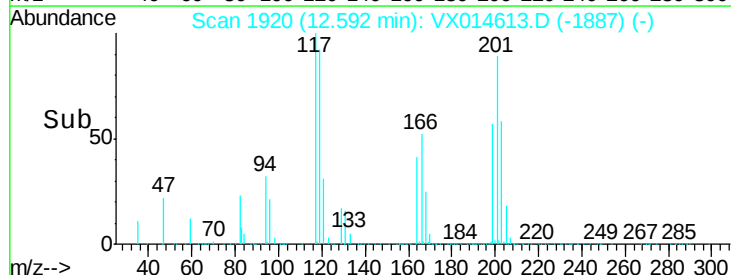
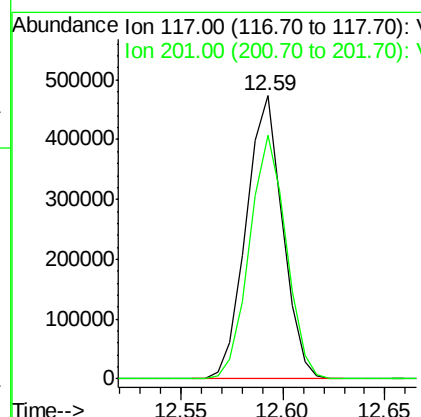
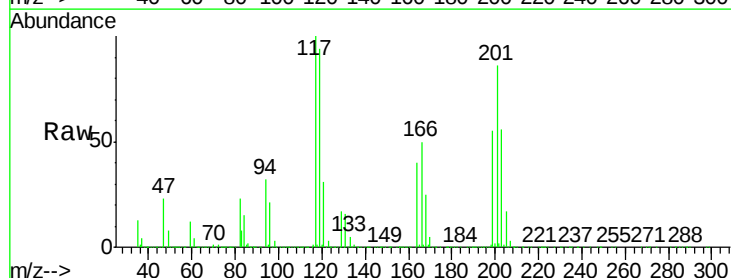
Manual Integrations
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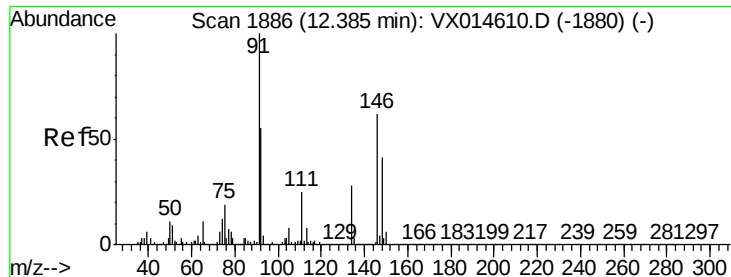
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#86
Hexachloroethane
Concen: 171.331 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion: 117 Resp: 587263
Ion Ratio Lower Upper
117 100
201 86.6 44.8 134.3





#87

1,2-Dichlorobenzene

Concen: 155.806 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

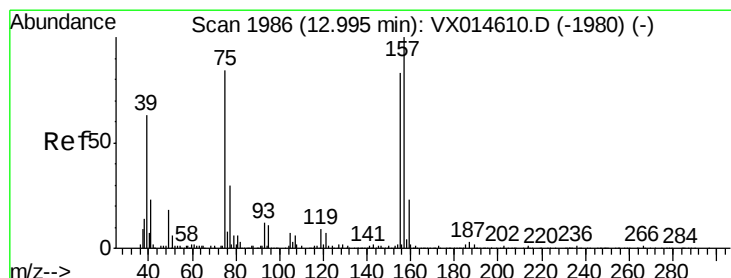
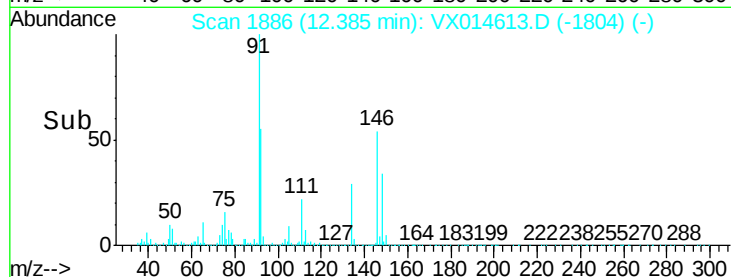
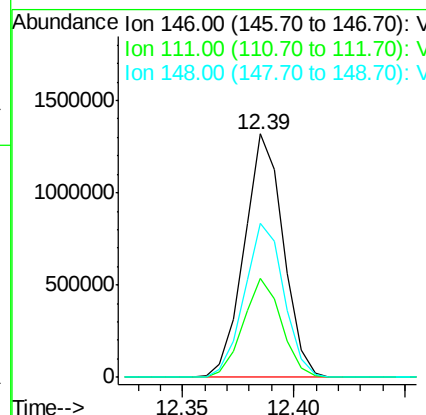
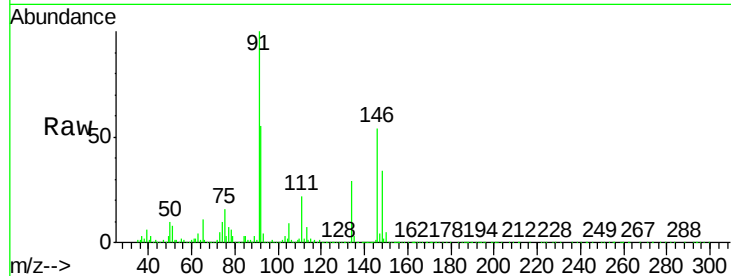
Instrument :
MSVOA_X

ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	63.9	32.0	96.2

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 165.415 ug/l

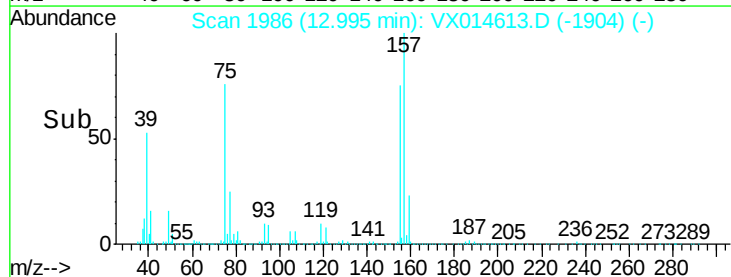
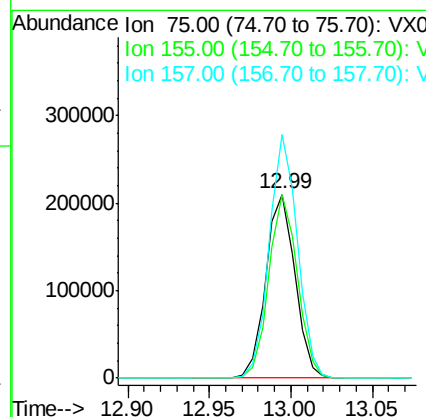
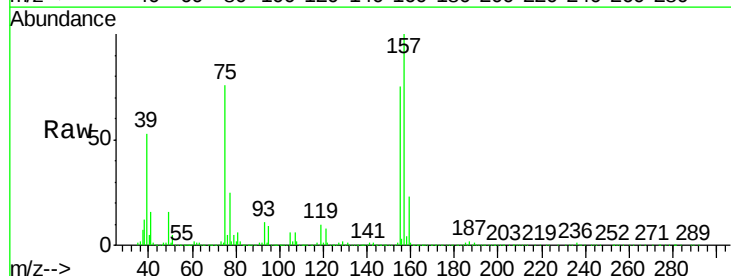
RT: 12.99 min Scan# 1986

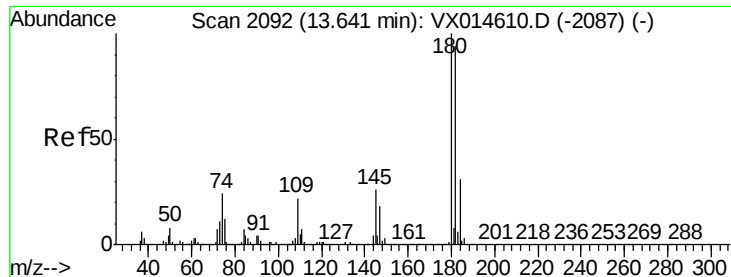
Delta R.T. 0.00 min

Lab File: VX014613.D

Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	73.8	110.6
157	127.2	95.0	142.4





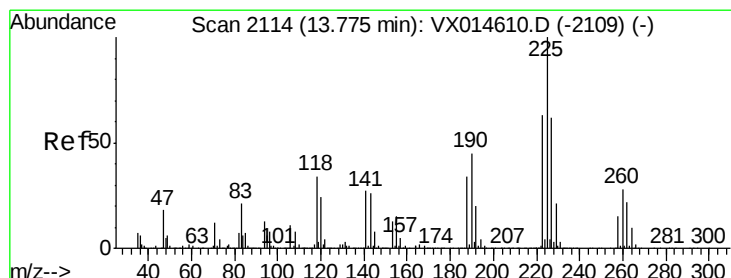
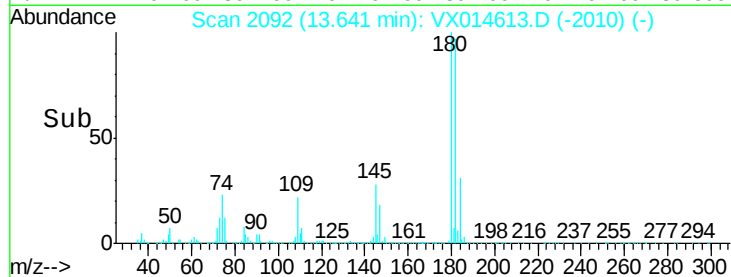
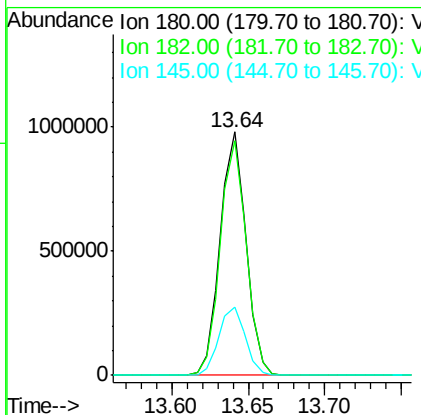
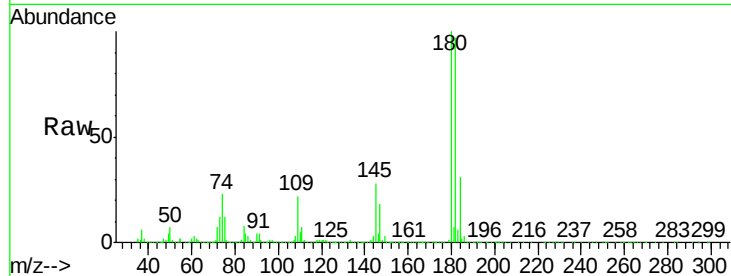
#89
 1,2,4-Trichlorobenzene
 Concen: 172.025 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.4	114.6
145	28.7	21.9	32.9

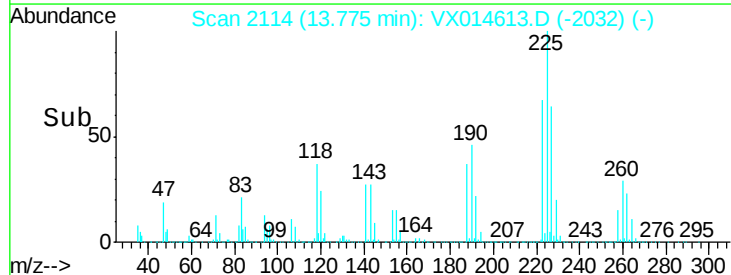
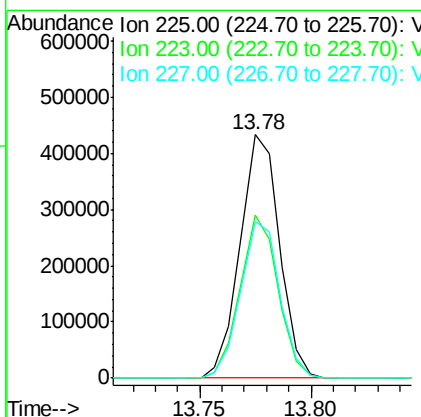
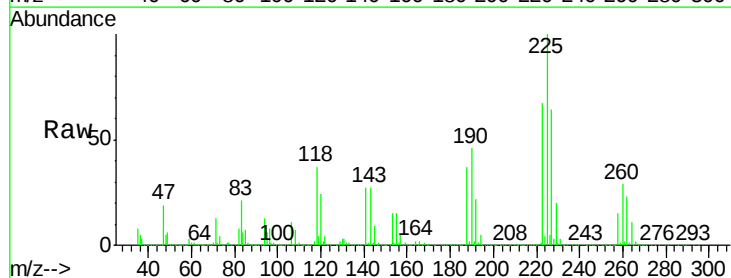
Manual Integrations
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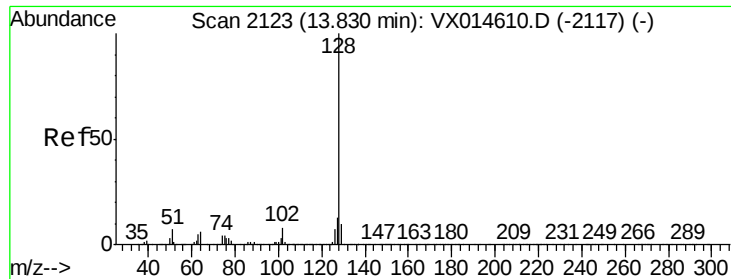
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 1/16/2020 9:42:10 AM



#90
 Hexachlorobutadiene
 Concen: 158.241 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014613.D
 Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	0.0	127.4
227	64.1	0.0	122.8





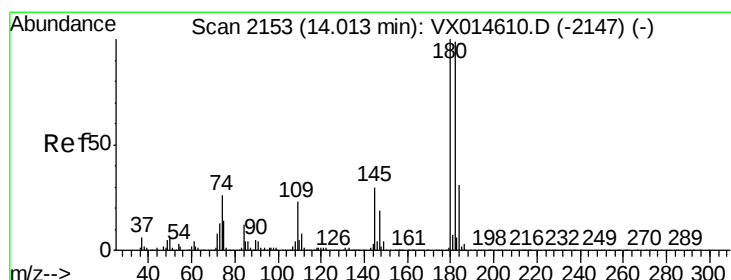
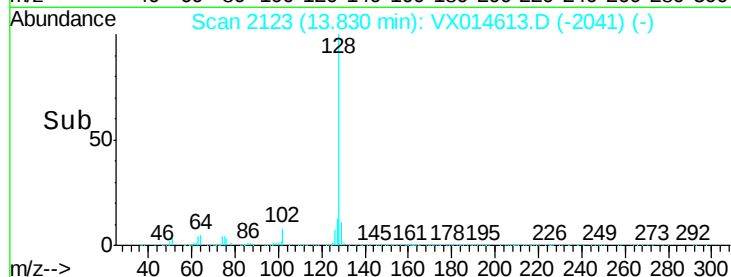
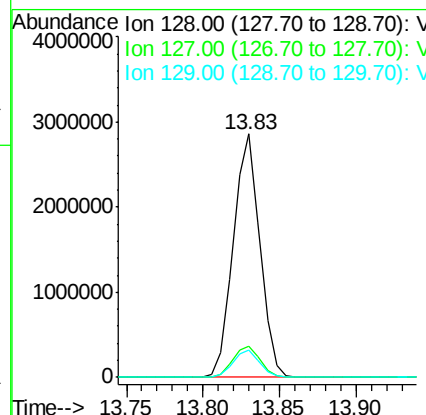
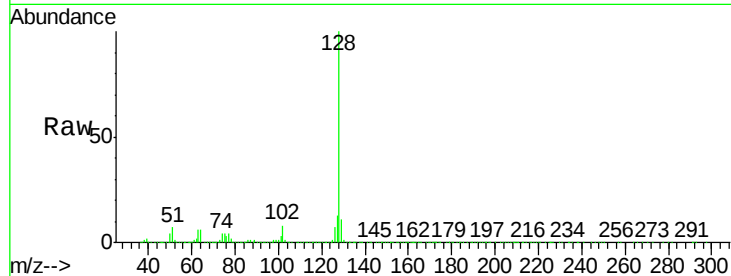
#91
Naphthalene
Concen: 169.839 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
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1/16/2020 9:42:10 AM



#92
1,2,3-Trichlorobenzene
Concen: 165.220 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014613.D
Acq: 15 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	0.0	192.8
145	30.0	0.0	60.0

