

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014712.D
 Acq On : 24 Jan 2020 21:12
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda

1/27/2020 10:35:57 AM

Quant Time: Jan 24 23:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	73245	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	400091	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	362689	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	155666	30.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.80%
60) 4-Bromofluorobenzene	11.13	95	173264	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	8.71	98	492040	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	99460	19.649	ug/l 100
3) Chloromethane	1.32	50	108549	19.587	ug/l 96
4) Vinyl Chloride	1.40	62	121948	19.597	ug/l 99
5) Bromomethane	1.64	94	77126	19.862	ug/l 97
6) Chloroethane	1.72	64	70157	20.000	ug/l 97
7) Trichlorofluoromethane	1.92	101	134642	19.541	ug/l 96
8) Diethyl Ether	2.18	74	61447	20.417	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78764	19.539	ug/l 98
10) 1,1-Dichloroethene	2.37	96	79742	19.667	ug/l 95
11) Methyl Iodide	2.50	142	107585	19.785	ug/l 97
12) Methyl Acetate	2.76	43	153922	21.014	ug/l 98
13) Acrolein	2.28	56	76218	99.066	ug/l 98
14) Acrylonitrile	3.13	53	251062	100.172	ug/l 99
15) Acetone	2.43	58	84098	100.090	ug/l 89
16) Carbon Disulfide	2.56	76	209608	18.823	ug/l 97
17) Allyl chloride	2.72	41	144071	19.199	ug/l 90
18) Methylene Chloride	2.85	84	95453	20.115	ug/l 99
19) trans-1,2-Dichloroethene	3.16	96	84003	19.245	ug/l 91
20) Diisopropyl ether	3.84	45	294931	19.865	ug/l 99
21) 1,1-Dichloroethane	3.69	63	161872	20.069	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	98726	19.683	ug/l 98
23) tert-Butyl Alcohol	3.03	59	103483	99.838	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	271469	20.118	ug/l 99
25) Chloroform	5.20	83	154555	19.782	ug/l 97
26) Cyclohexane	5.58	56	141471	19.016	ug/l 100
29) 1,1-Dichloropropene	5.79	75	113120	19.278	ug/l 99
30) 2-Butanone	4.65	43	368087	99.030	ug/l 100
31) 2,2-Dichloropropane	4.58	77	112953	17.991	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	131199	20.211	ug/l 99
33) Carbon Tetrachloride	5.78	117	108835	19.529	ug/l 97
34) Benzene	6.14	78	362008	19.966	ug/l 98
35) Methacrylonitrile	5.03	41	72874	19.631	ug/l 99
36) 1,2-Dichloroethane	6.18	62	128127	20.306	ug/l 99
37) Trichloroethene	7.21	130	104245	20.998	ug/l 96
38) Methylcyclohexane	7.46	83	136294	18.656	ug/l 100
39) 1,2-Dichloropropane	7.51	63	92586	19.637	ug/l 95
40) Dibromomethane	7.65	93	62264	20.548	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	117190	19.750	ug/l	99
42) Vinyl Acetate	3.81	43	862337	75.271	ug/l	98
43) Ethyl Acetate	4.82	43	129618	19.264	ug/l	99
44) Isopropyl Acetate	6.43	43	211109	19.449	ug/l	99
45) 1,4-Dioxane	7.73	88	46279	426.226	ug/l	98
46) Methyl methacrylate	7.76	41	103648	19.417	ug/l	96
47) n-amyl Acetate	10.89	43	182599	20.077	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	125358	19.350	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	141389	19.369	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	93348	20.246	ug/l	97
51) Ethyl methacrylate	9.17	69	137674	19.177	ug/l	98
52) 1,3-Dichloropropane	9.37	76	158714	20.317	ug/l	99
53) Dibromochloromethane	9.58	129	95160	20.177	ug/l	97
54) 1,2-Dibromoethane	9.67	107	96802	20.243	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	319751	96.912	ug/l	99
56) Bromoform	10.85	173	68353	18.816	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	692895	101.448	ug/l	99
59) 2-Hexanone	9.48	43	535254	101.331	ug/l	99
61) Tetrachloroethene	9.33	164	142145	26.516	ug/l	96
62) Toluene	8.78	91	387474	20.136	ug/l	98
64) Chlorobenzene	10.14	112	243112	20.239	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	89439	20.160	ug/l	100
66) Ethyl Benzene	10.25	91	420692	20.072	ug/l	99
67) m/p-Xylenes	10.35	106	323490	40.294	ug/l	99
68) o-Xylene	10.70	106	156013	19.957	ug/l	100
69) Styrene	10.71	104	263090	19.862	ug/l	99
70) Isopropylbenzene	11.01	105	410730	20.055	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	125541	18.197	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	114269m	19.364	ug/l	
73) Bromobenzene	11.25	156	108488	19.983	ug/l	99
74) n-propylbenzene	11.35	91	465352	19.884	ug/l	99
75) 2-Chlorotoluene	11.42	91	279797	19.949	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	339802	19.911	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	40938	18.025	ug/l	94
78) 4-Chlorotoluene	11.51	91	316141	19.847	ug/l	99
79) tert-butylbenzene	11.76	119	287192	17.985	ug/l	92
80) 1,2,4-Trimethylbenzene	11.80	105	337853	19.849	ug/l	99
81) sec-Butylbenzene	11.94	105	389406	19.708	ug/l	100
82) p-Isopropyltoluene	12.06	119	350922	19.454	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	188444	19.879	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	189472	20.160	ug/l	100
85) n-Butylbenzene	12.39	91	293407	18.590	ug/l	100
86) Hexachloroethane	12.59	117	62037	19.179	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	191118	19.981	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	28933	19.633	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	122773	19.446	ug/l	99
90) Hexachlorobutadiene	13.78	225	61220	19.406	ug/l	98
91) Naphthalene	13.83	128	374445	19.648	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	126743	19.723	ug/l	100

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ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

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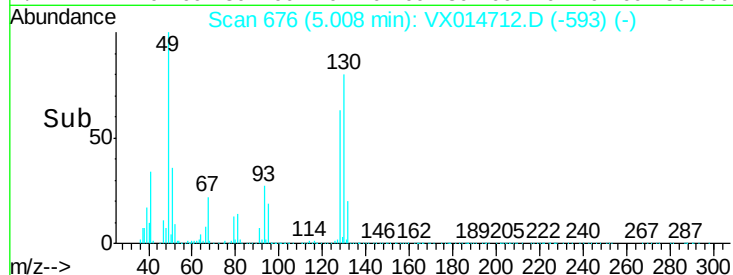
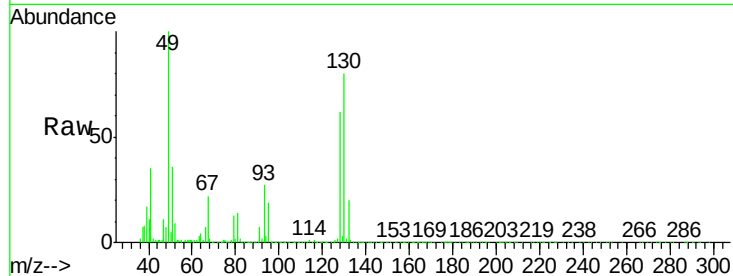
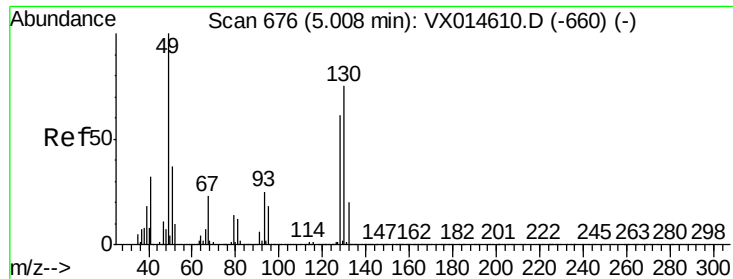
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

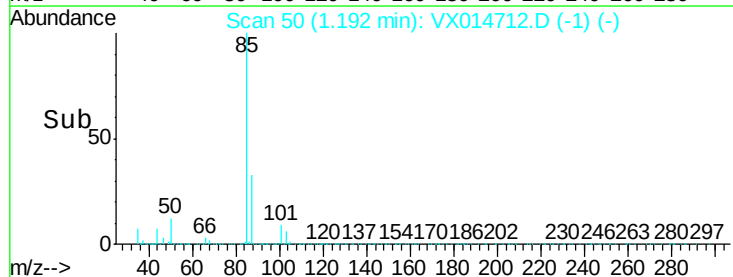
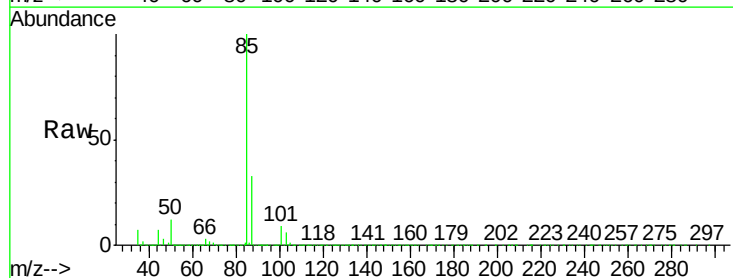
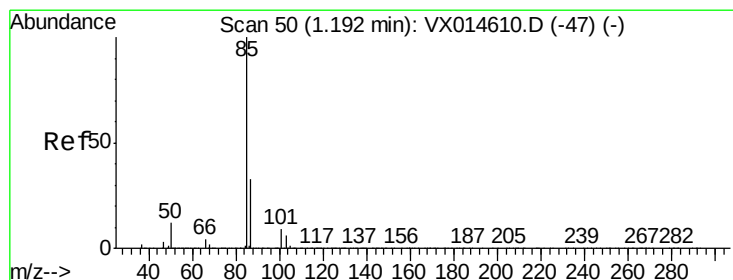
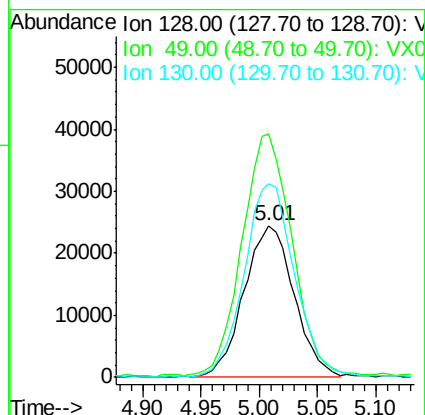
Tot Ion:	128	Resp:	73245
Ion	Ratio	Lower	Upper
128	100		
49	158.7	0.0	405.0
130	128.6	0.0	321.5

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Manual Integrations
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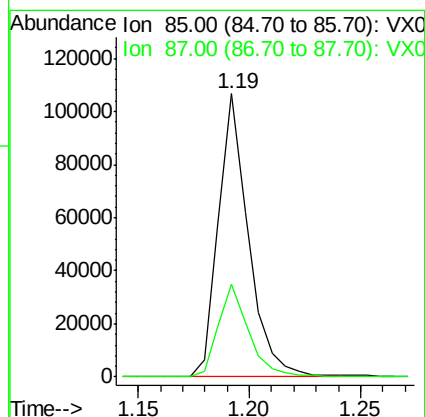
MMDadoda

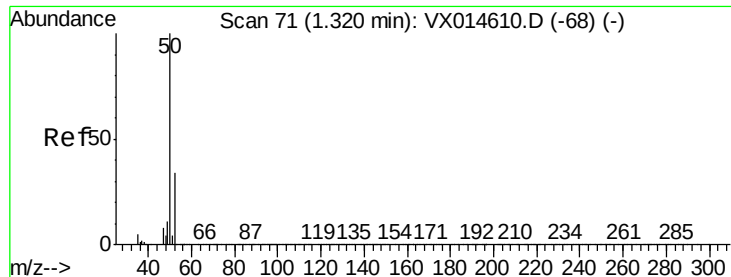
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#2
Dichlorodifluoromethane
Concen: 19.649 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion:	85	Resp:	99460
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.3	48.9





#3

Chloromethane

Concen: 19.587 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 50 Resp: 108549

Ion Ratio Lower Upper

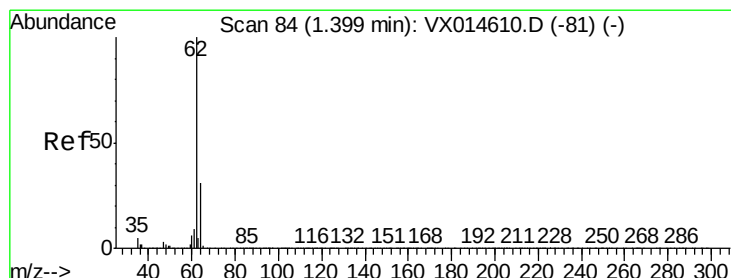
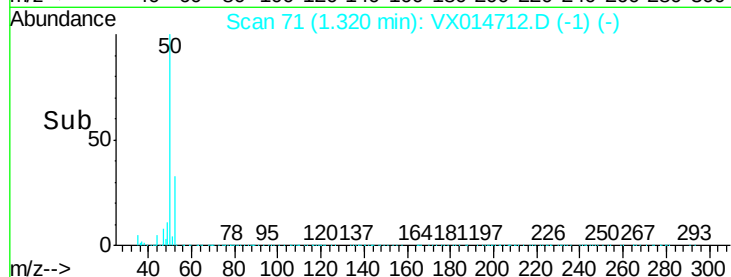
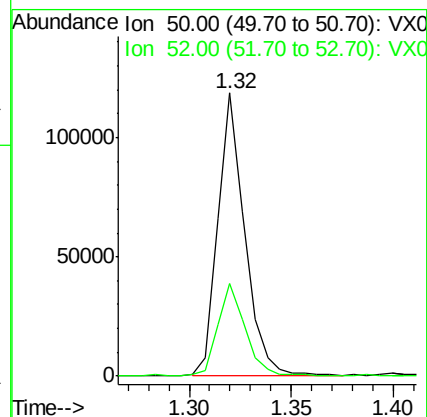
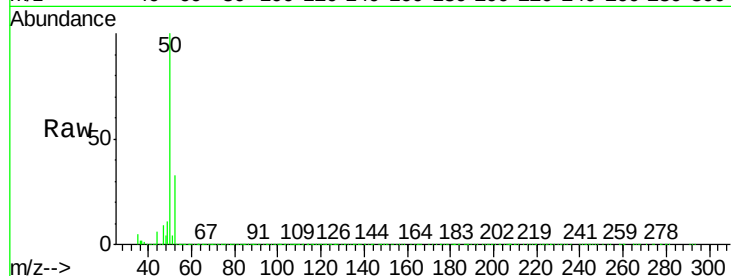
50 100

52 32.7 24.3 36.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.597 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014712.D

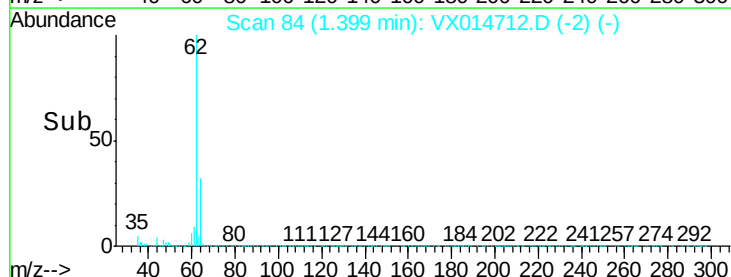
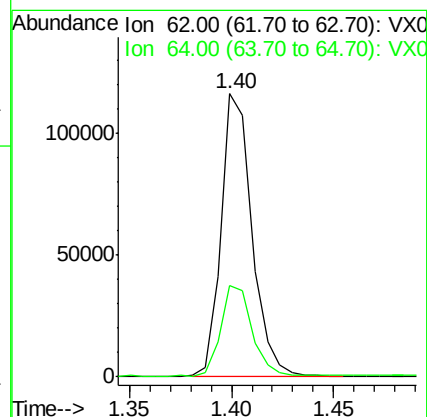
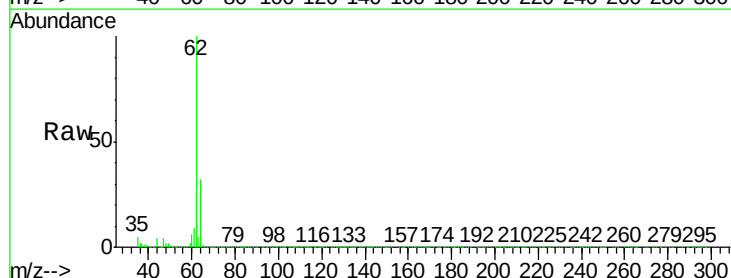
Acq: 24 Jan 2020 21:12

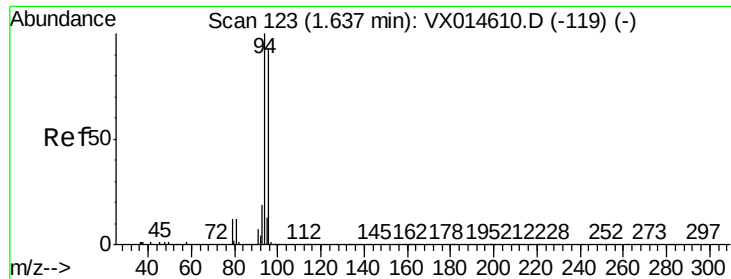
Tgt Ion: 62 Resp: 121948

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 19.862 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 77126

Ion Ratio Lower Upper

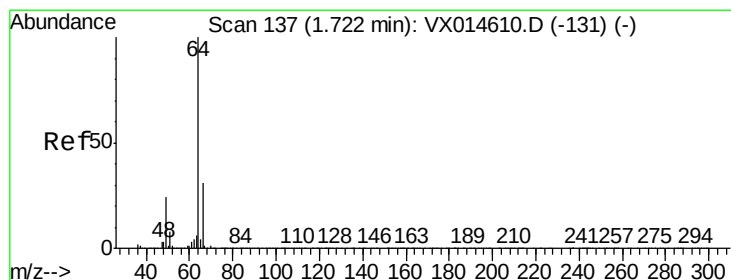
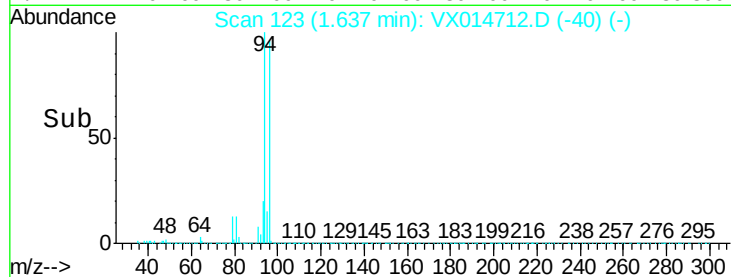
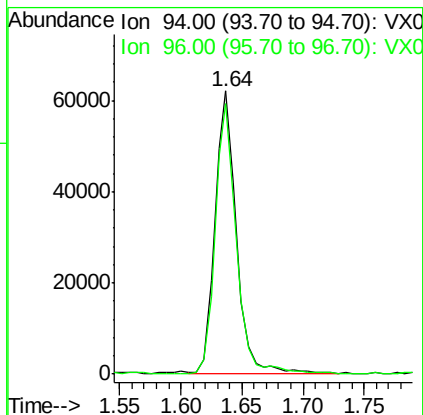
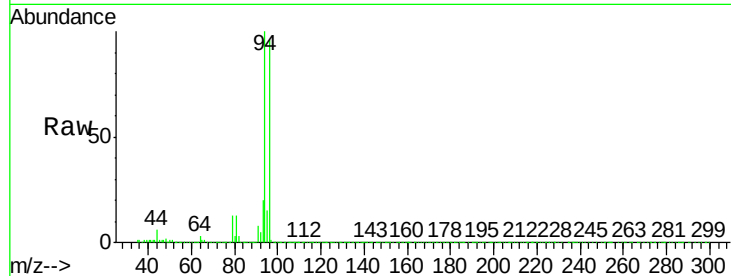
94 100

96 95.5 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 20.000 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014712.D

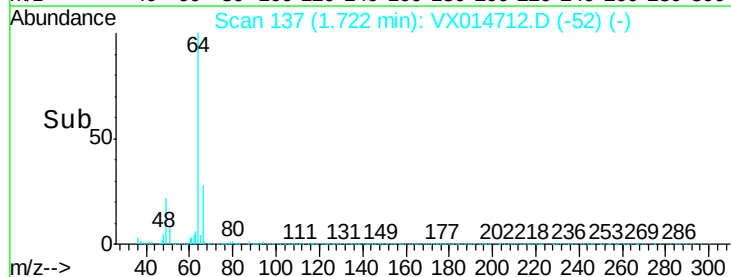
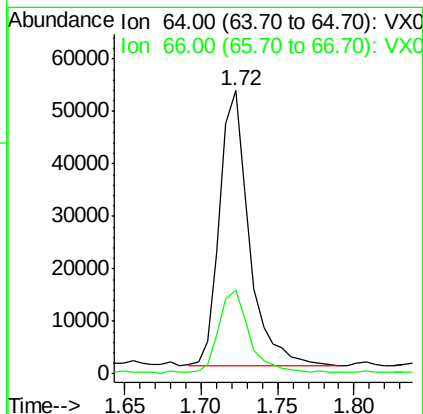
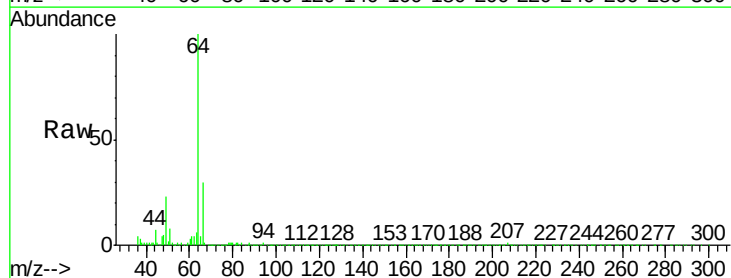
Acq: 24 Jan 2020 21:12

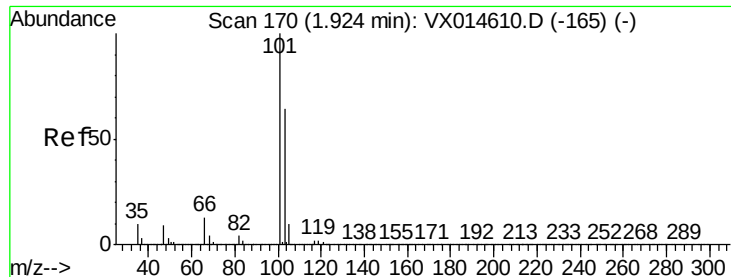
Tgt Ion: 64 Resp: 70157

Ion Ratio Lower Upper

64 100

66 29.9 25.2 37.8





#7

Trichlorofluoromethane
Concen: 19.541 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

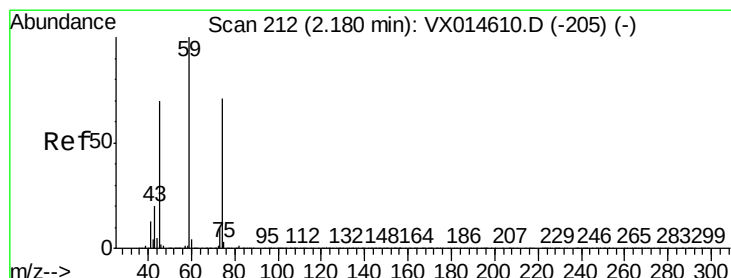
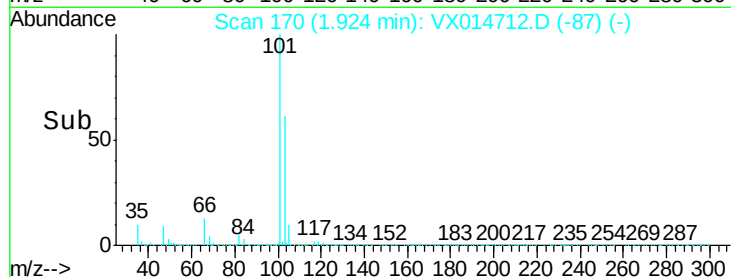
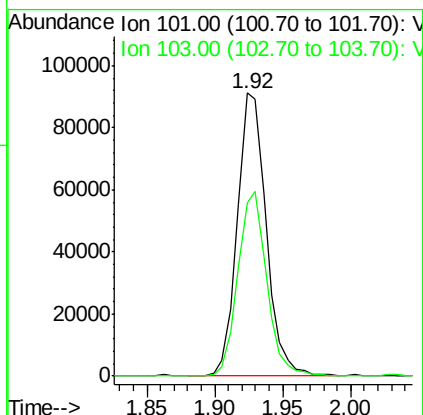
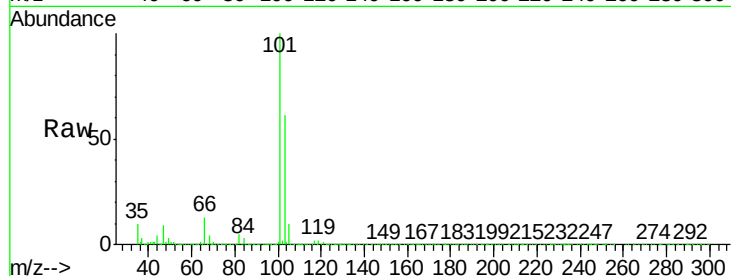
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	51.6	77.4

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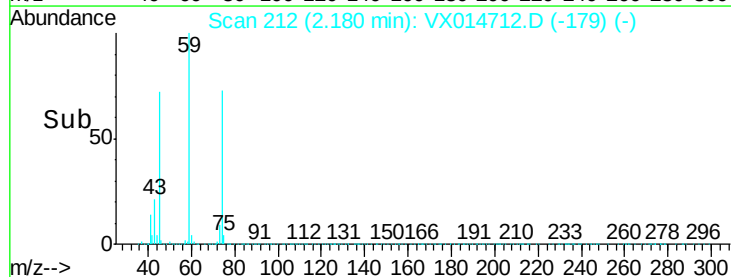
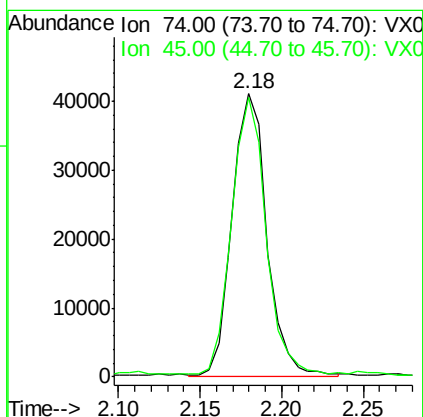
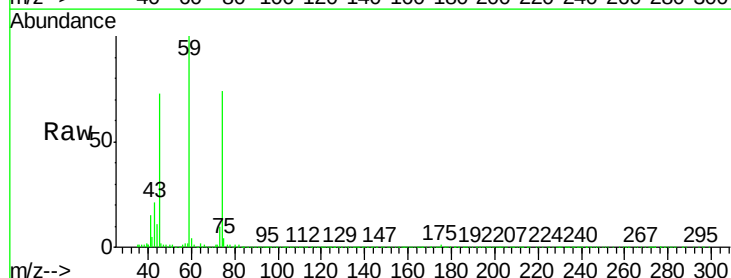
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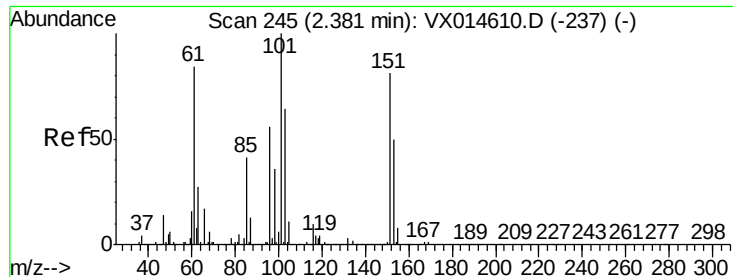


#8

Diethyl Ether
Concen: 20.417 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.539 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

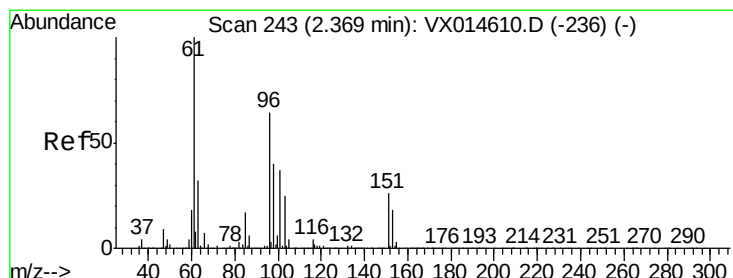
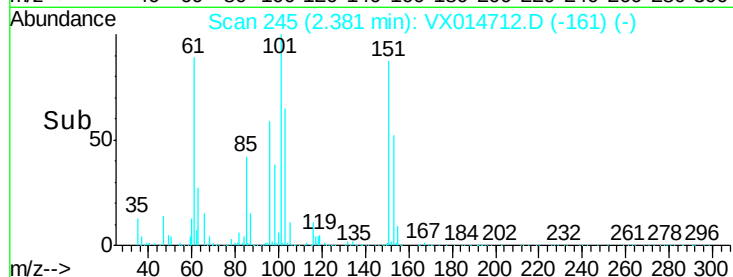
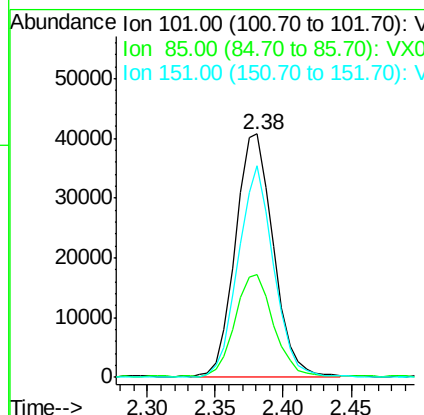
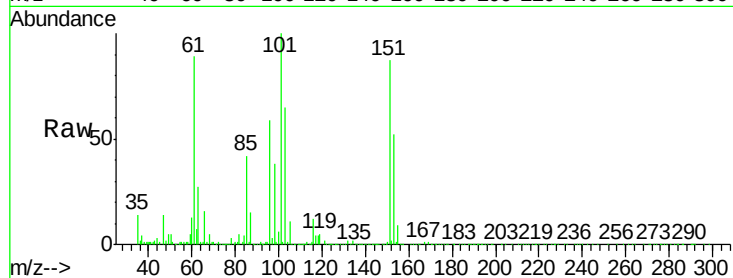
VSTDCCC020EC

Tot Ion:	101	Resp:	78764
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	85.6
151	82.2	0.0	159.4

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#10

1,1-Dichloroethene

Concen: 19.667 ug/l

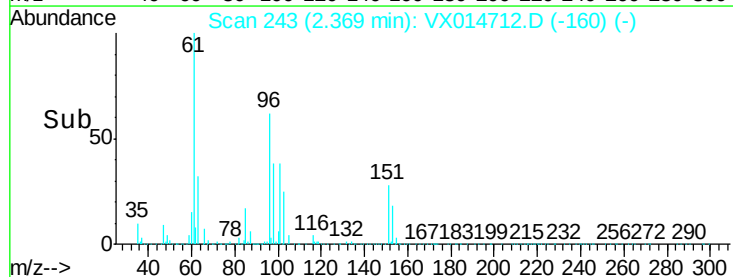
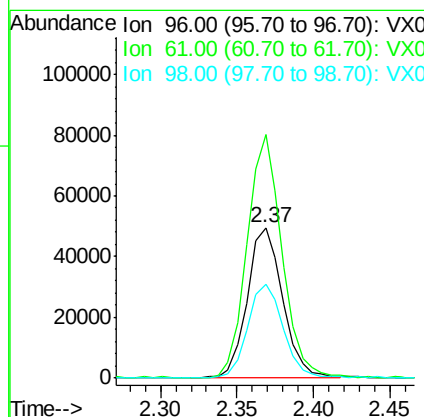
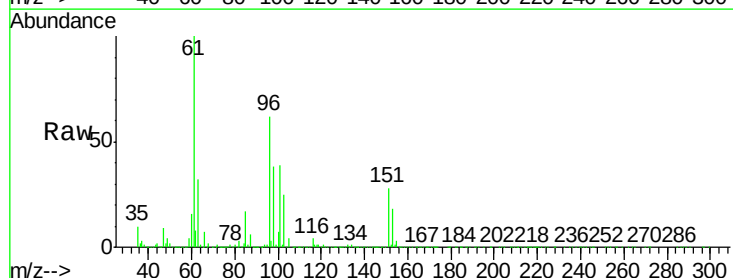
RT: 2.37 min Scan# 243

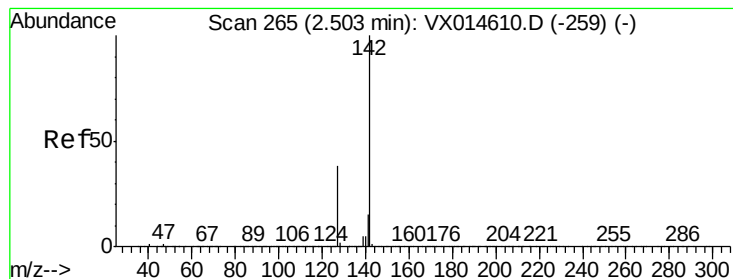
Delta R.T. 0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	96	Resp:	79742
Ion Ratio	Lower	Upper	
96	100		
61	161.9	123.0	184.6
98	61.7	51.4	77.0





#11
Methvl Iodide
Concen: 19.785 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

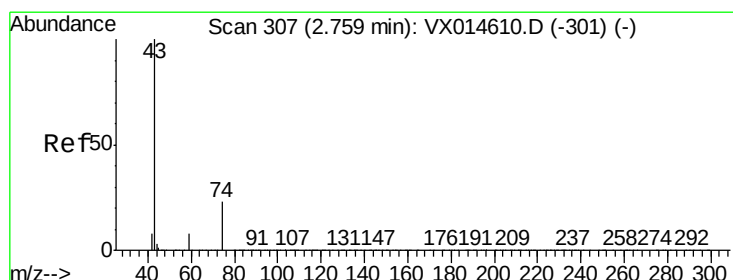
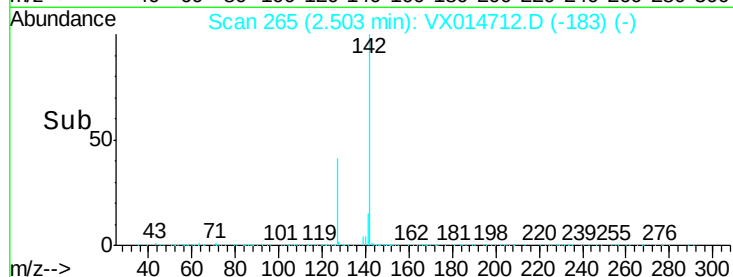
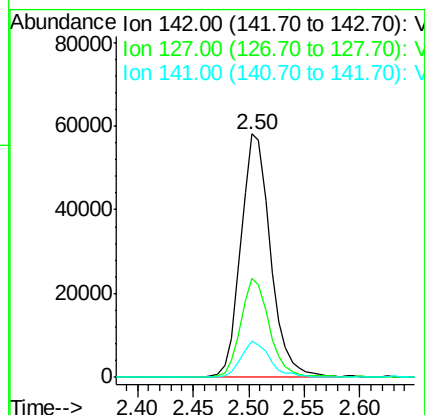
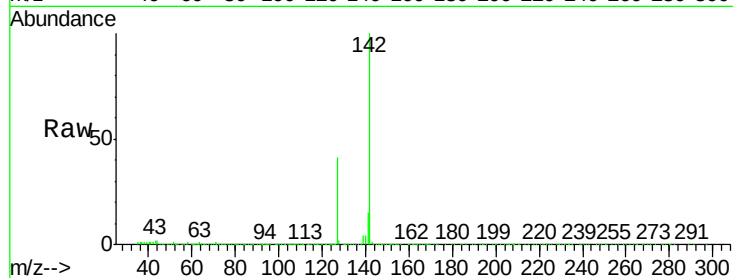
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	142	Resp:	107585
Ion Ratio	Lower	Upper	
142	100		
127	40.6	19.5	58.5
141	15.0	7.0	20.9

Manual Integrations
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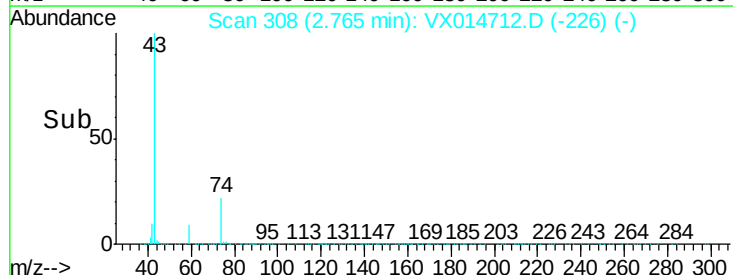
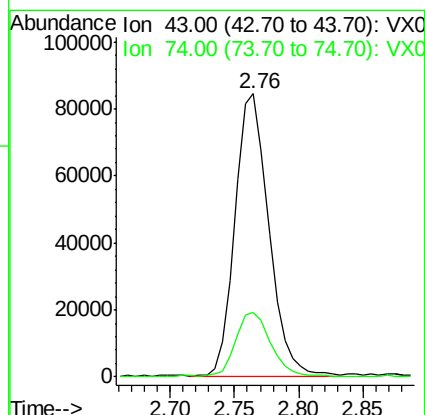
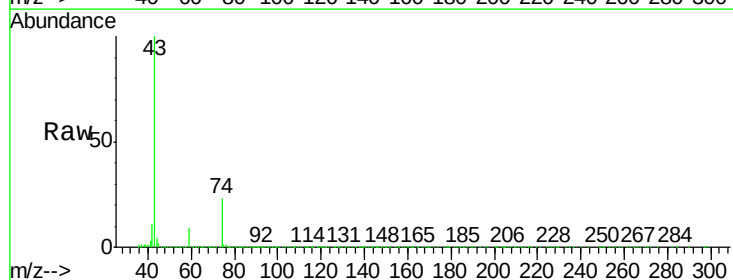
MMDadoda

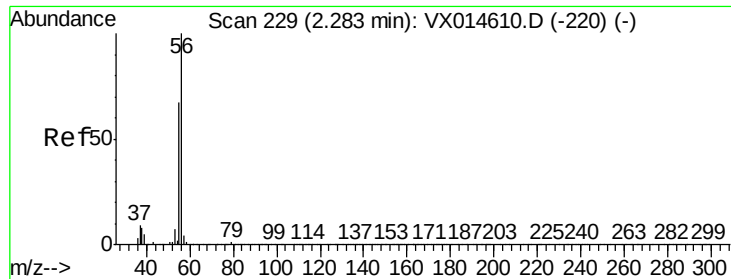
1/27/2020 10:35:57 AM



#12
Methyl Acetate
Concen: 21.014 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion:	43	Resp:	153922
Ion Ratio	Lower	Upper	
43	100		
74	22.3	18.5	27.7





#13

Acrolein

Concen: 99.066 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 76218

Ion Ratio Lower Upper

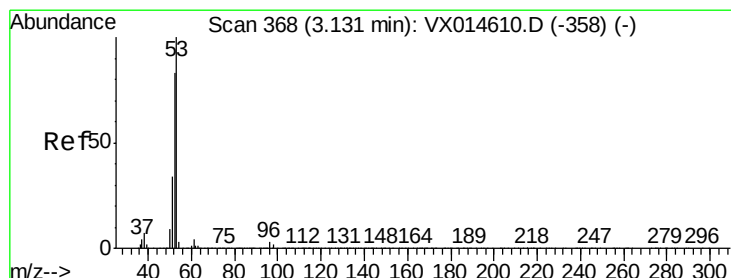
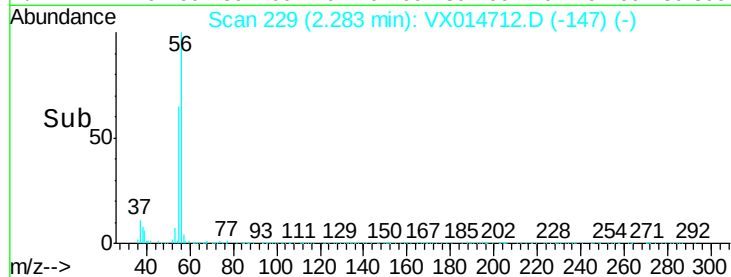
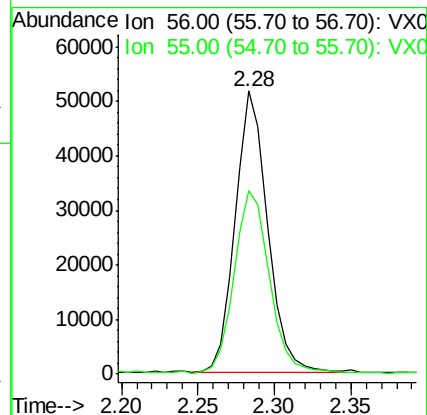
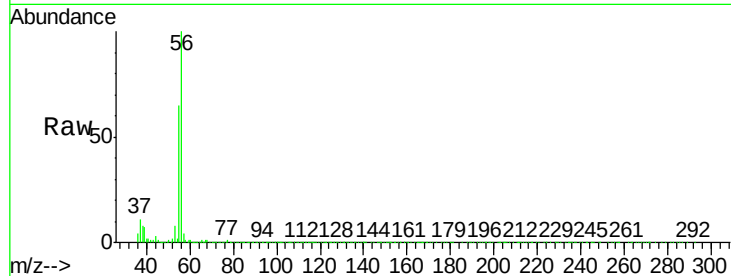
56 100

55 70.2 54.9 82.3

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#14

Acrylonitrile

Concen: 100.172 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

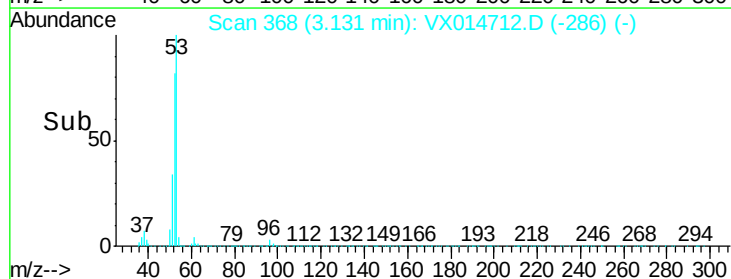
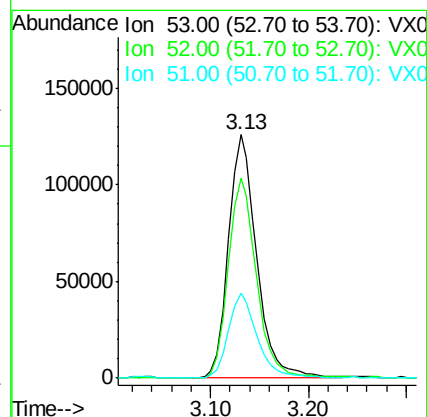
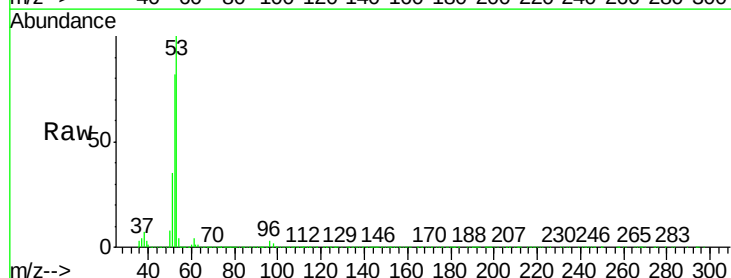
Tgt Ion: 53 Resp: 251062

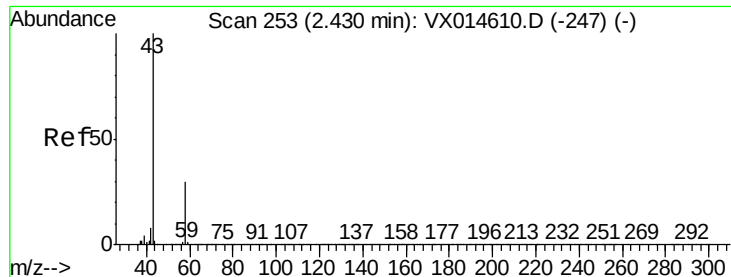
Ion Ratio Lower Upper

53 100

52 81.7 41.5 124.6

51 35.5 17.8 53.5





#15

Acetone

Concen: 100.090 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 84098

Ion Ratio Lower Upper

58 100

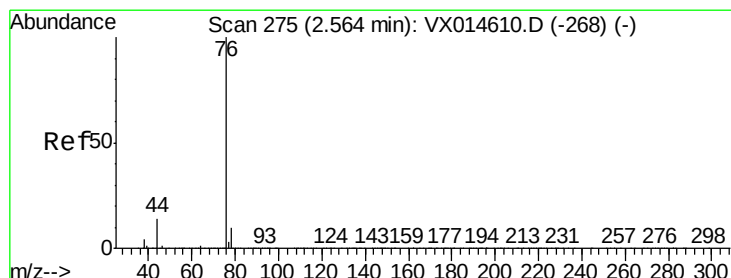
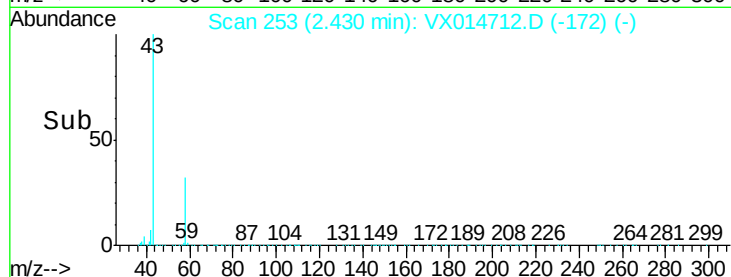
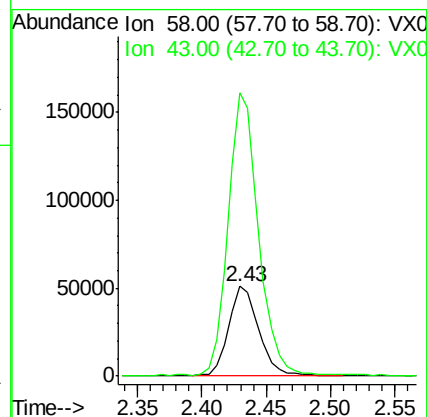
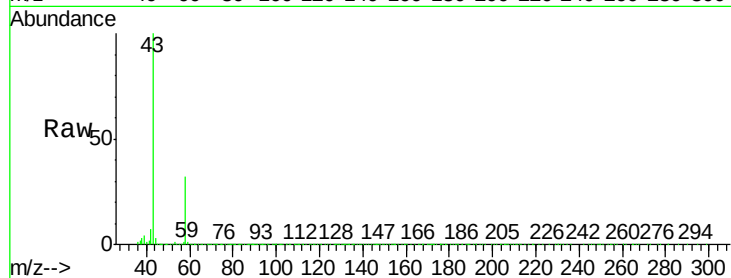
43 316.0 236.3 354.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.823 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014712.D

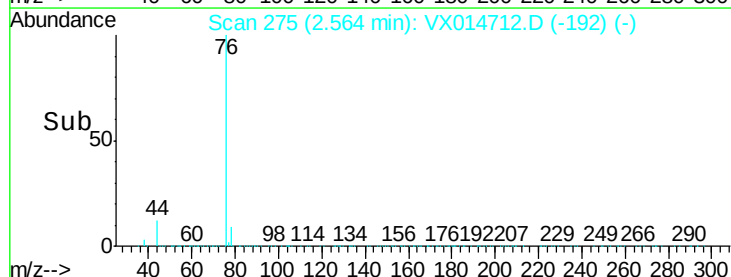
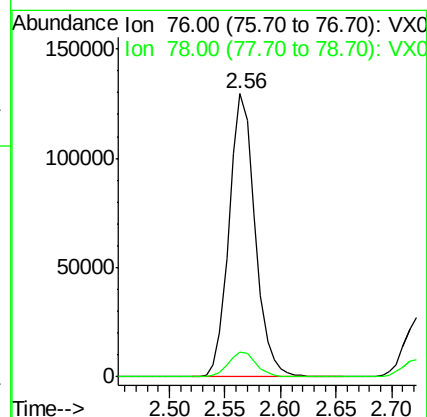
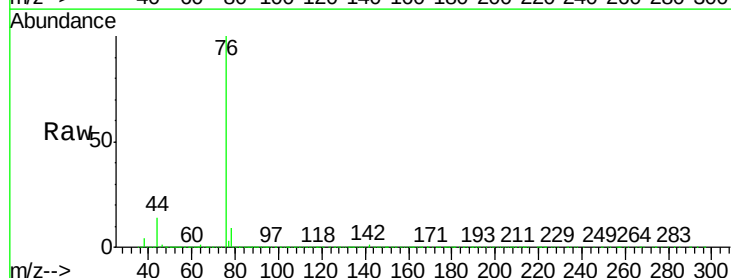
Acq: 24 Jan 2020 21:12

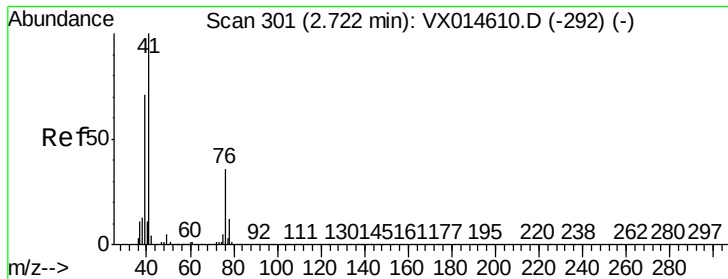
Tgt Ion: 76 Resp: 209608

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8





#17
Allvl chloride
Concen: 19.199 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

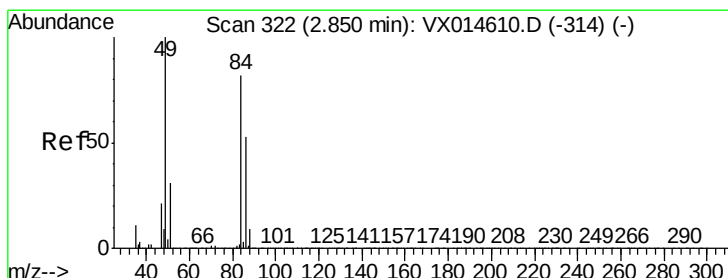
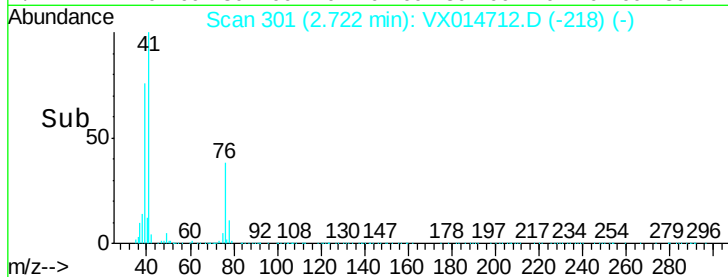
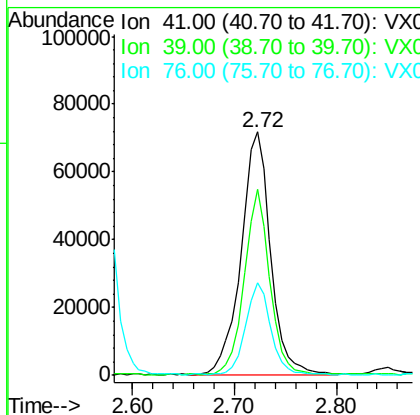
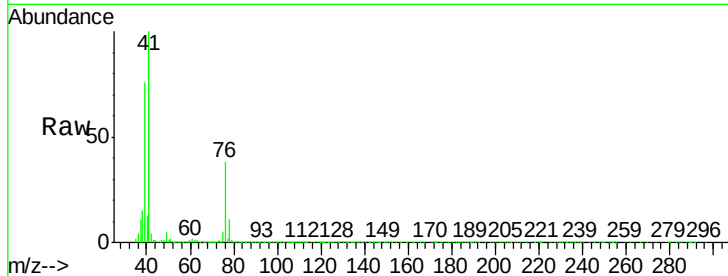
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	144071
Ion Ratio	Lower	Upper	
41	100		
39	76.0	33.4	100.2
76	37.9	17.0	50.9

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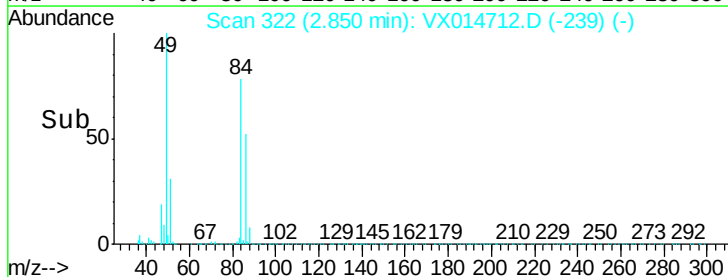
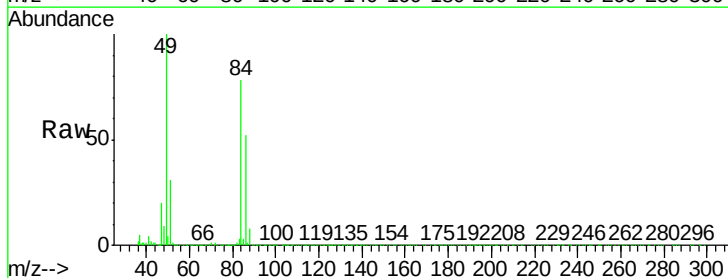
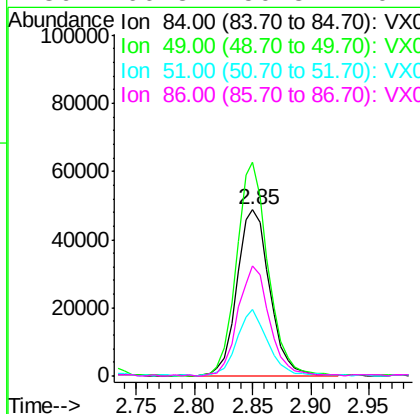
MMDadoda

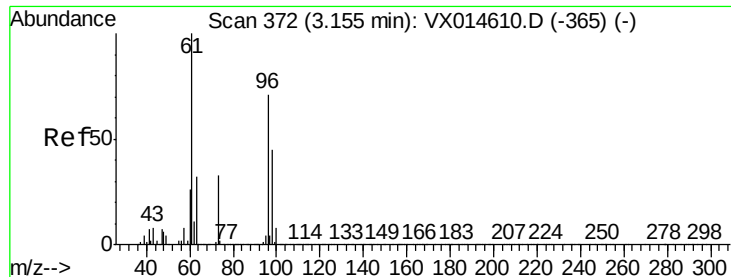
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#18
Methylene Chloride
Concen: 20.115 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion:	84	Resp:	95453
Ion Ratio	Lower	Upper	
84	100		
49	128.7	102.2	153.2
51	39.2	31.4	47.0
86	66.3	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.245 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

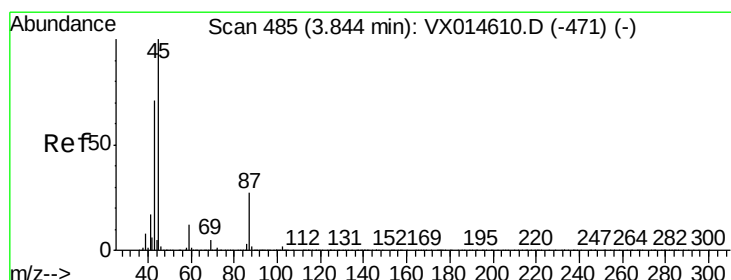
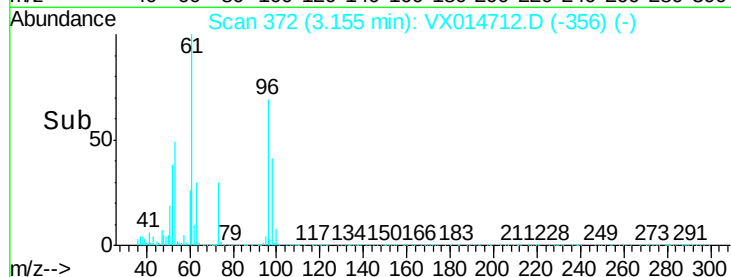
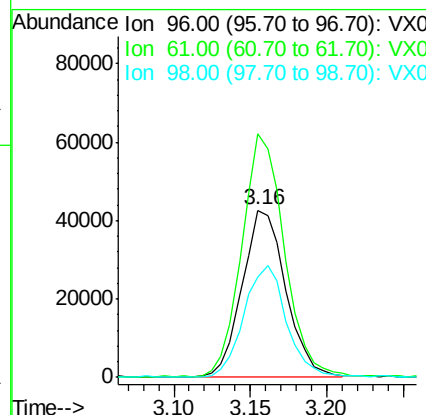
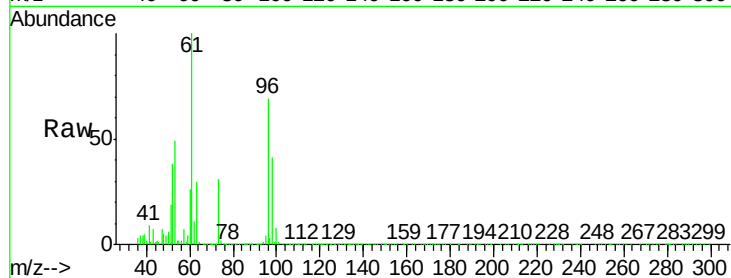
VSTDCCC020EC

Tot Ion:	96	Resp:	84003
Ion	Ratio	Lower	Upper
96	100		
61	145.3	106.6	159.8
98	59.2	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.865 ug/l

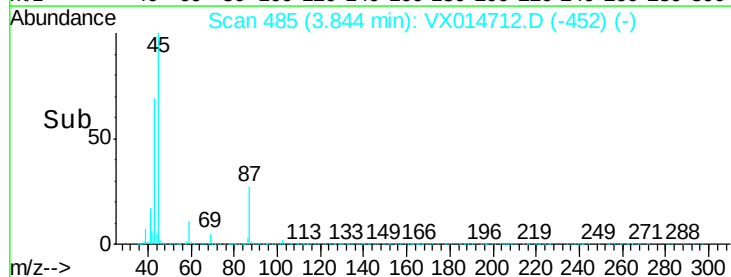
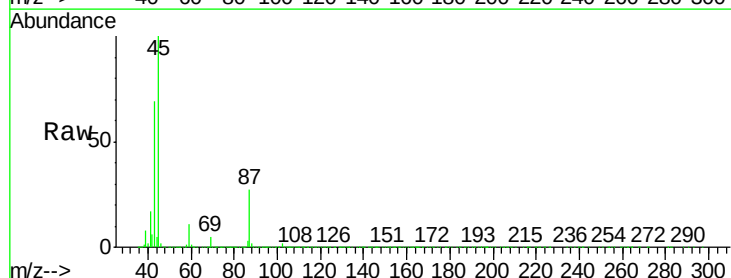
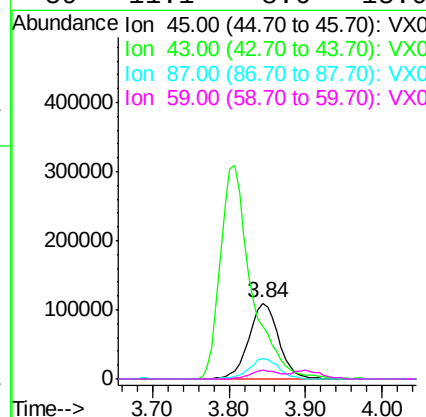
RT: 3.84 min Scan# 485

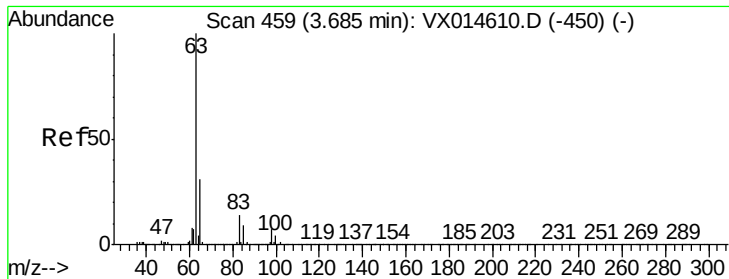
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	45	Resp:	294931
Ion	Ratio	Lower	Upper
45	100		
43	68.8	55.9	83.9
87	27.1	22.2	33.2
59	11.1	8.6	13.0





#21

1,1-Dichloroethane

Concen: 20.069 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

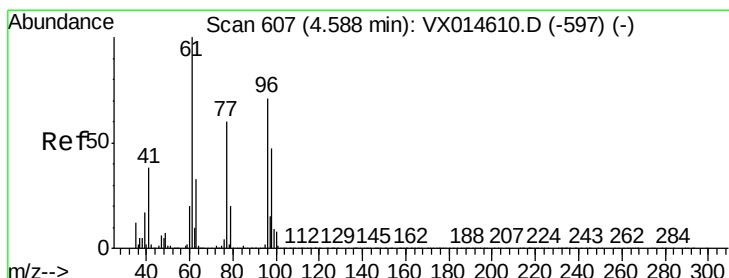
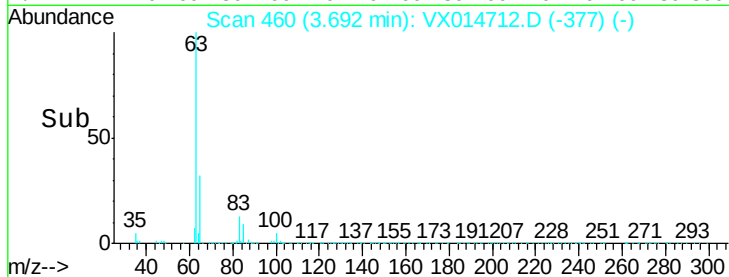
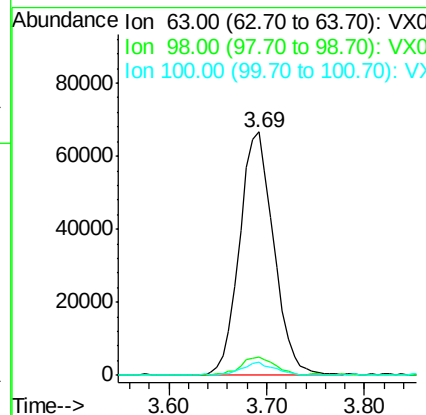
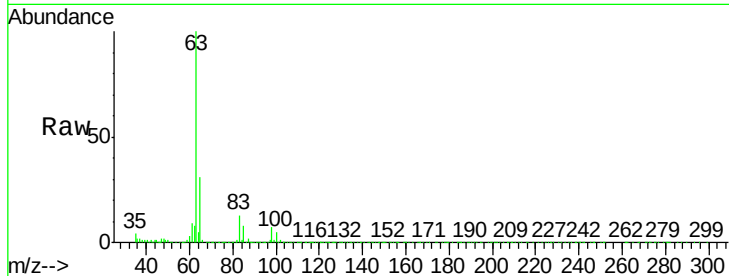
VSTDCCC020EC

Tot Ion:	63	Resp:	161872
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.4	10.1
100	5.3	2.5	7.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.683 ug/l

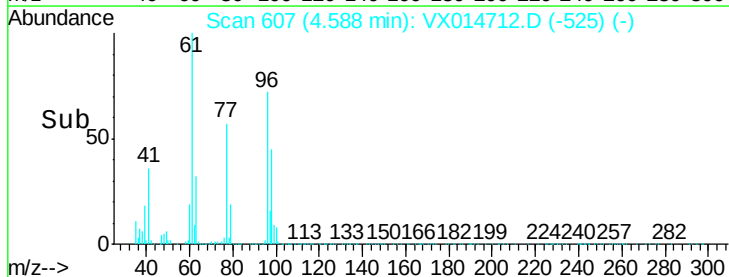
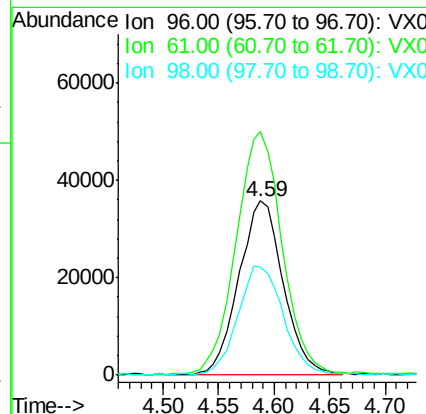
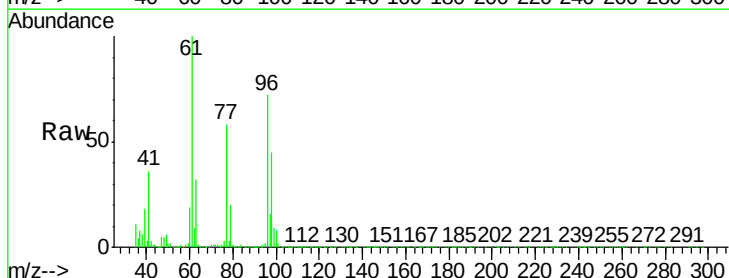
RT: 4.59 min Scan# 607

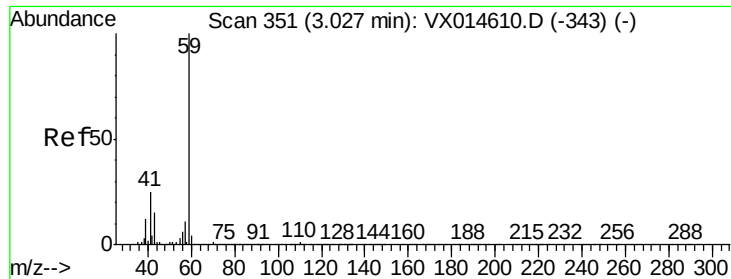
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	96	Resp:	98726
Ion Ratio	Lower	Upper	
96	100		
61	144.8	112.4	168.6
98	63.0	50.3	75.5





#23

tert-Butyl Alcohol
 Concen: 99.838 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

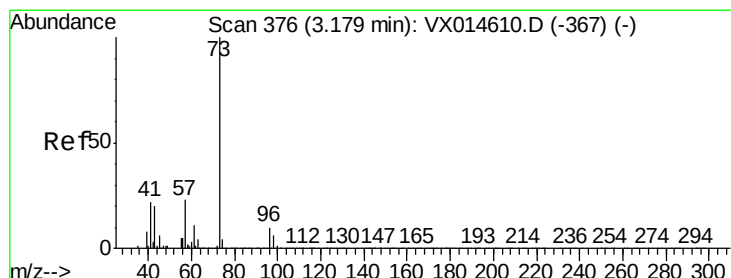
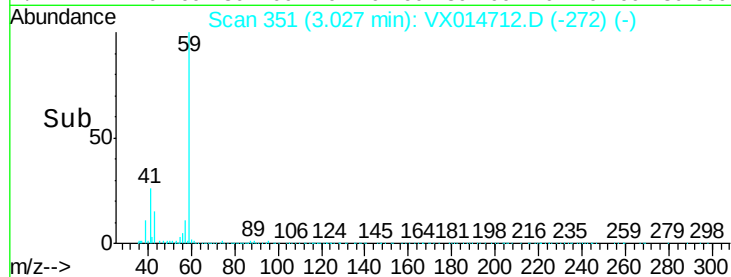
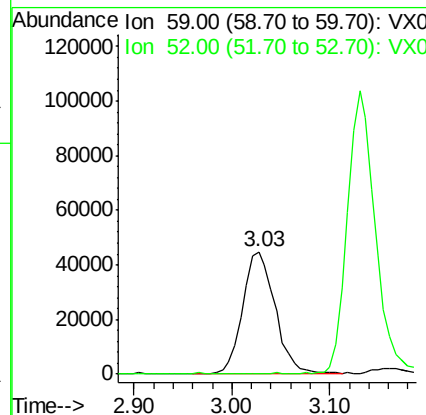
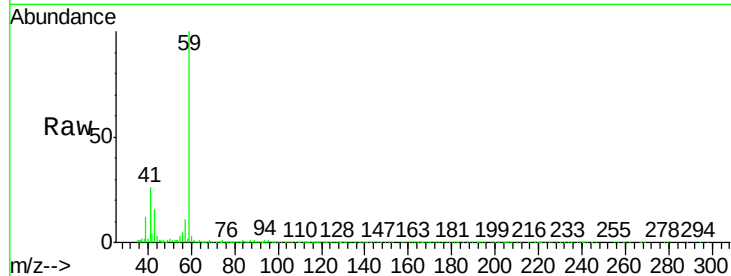
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.2	0.2#

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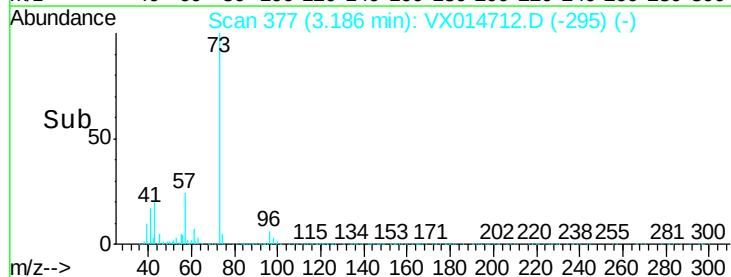
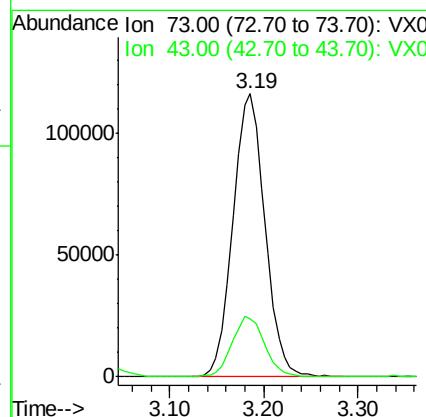
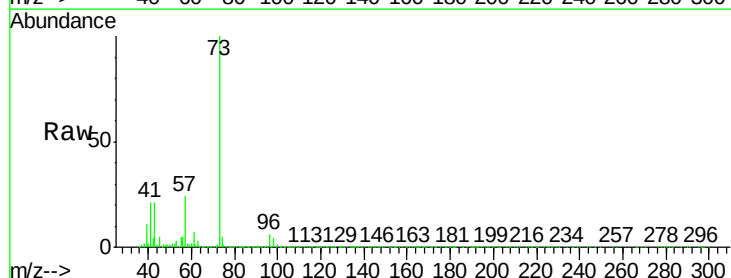
1/27/2020 10:35:57 AM

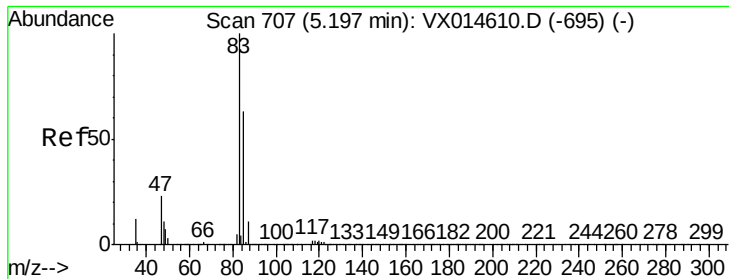


#24

Methyl tert-Butyl Ether
 Concen: 20.118 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.3	16.6	25.0





#25
Chloroform
Concen: 19.782 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

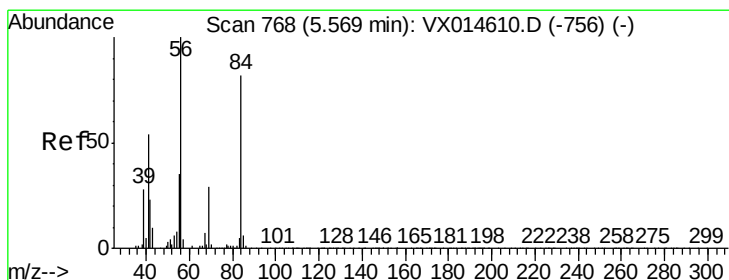
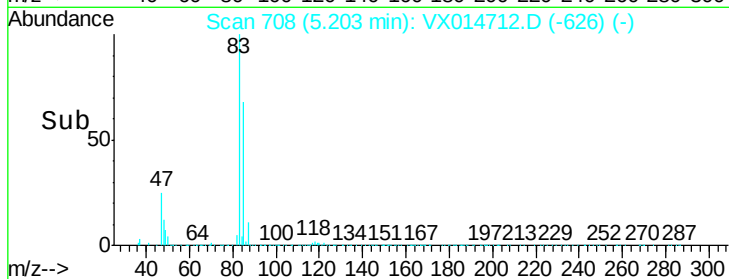
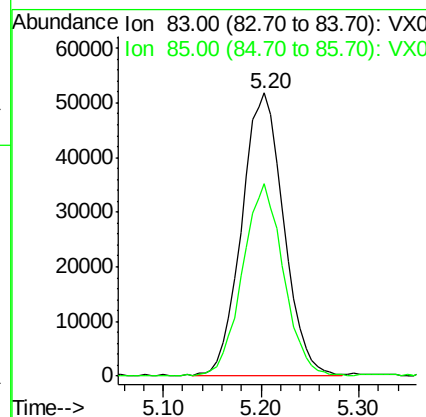
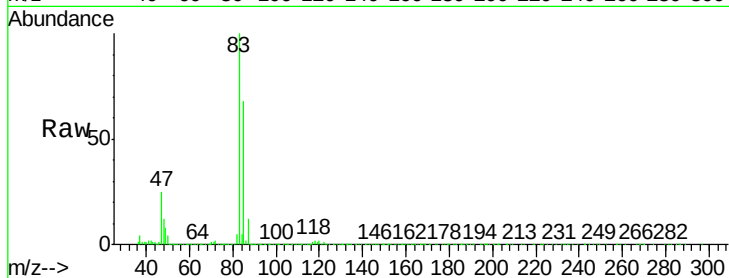
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.7	79.1

Manual Integrations
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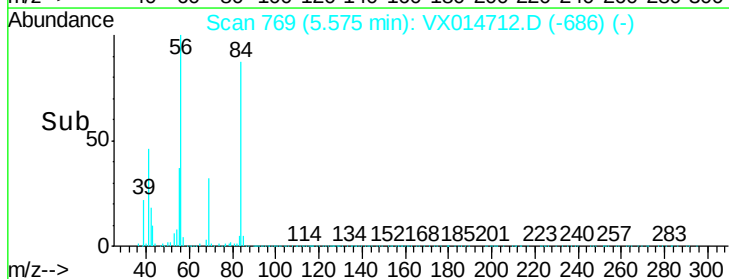
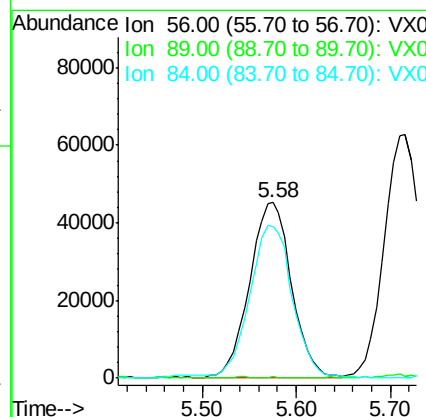
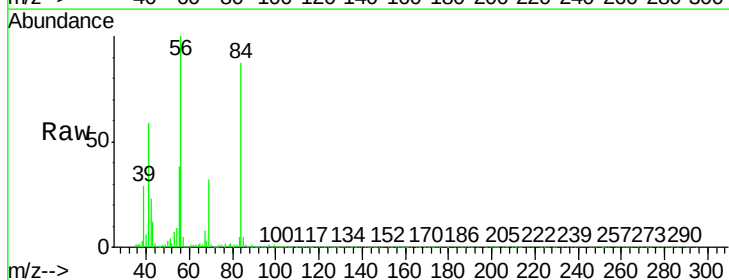
MMDadoda

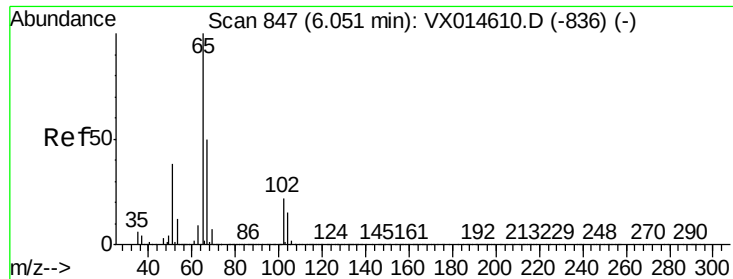
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#26
Cyclohexane
Concen: 19.016 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.1	0.1
84	88.4	70.8	106.2





#27
 1,2-Dichloroethane-d4
 Concen: 30.236 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

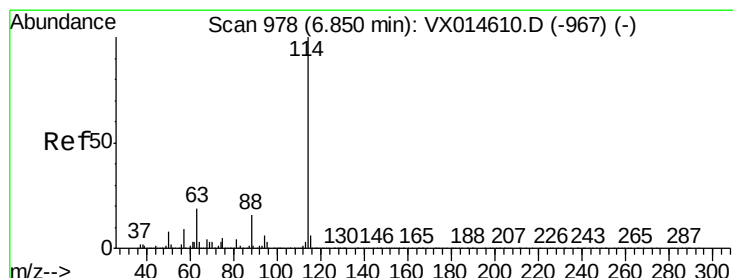
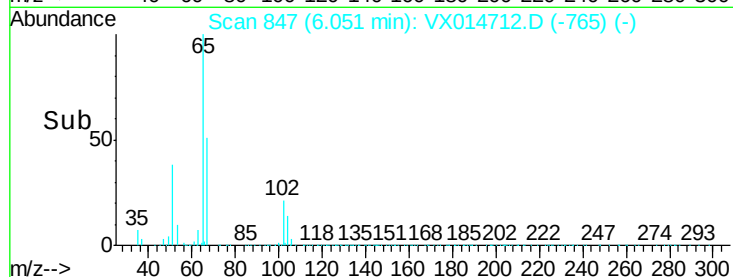
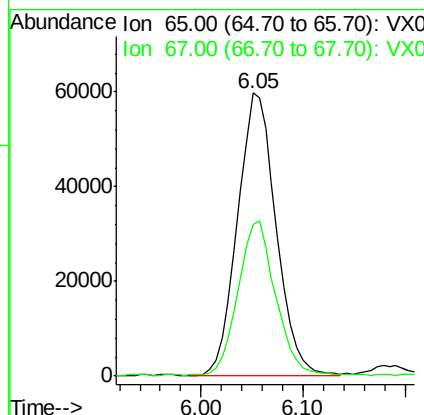
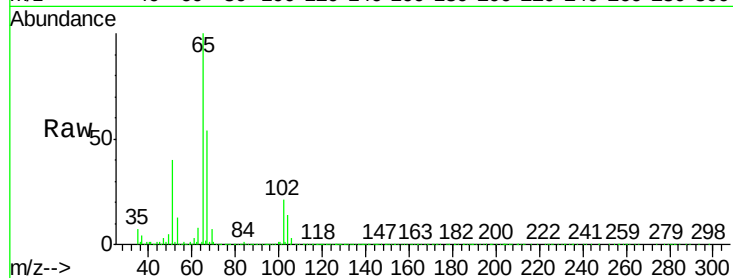
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	43.1	64.7

Manual Integrations
 APPROVED

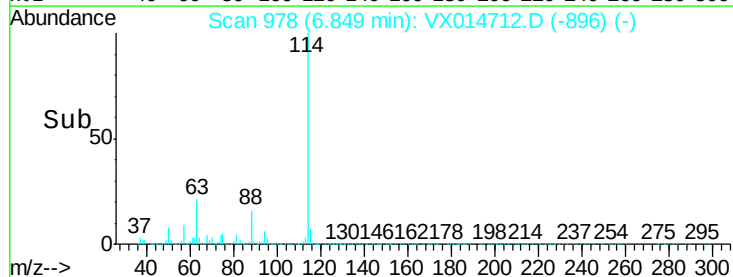
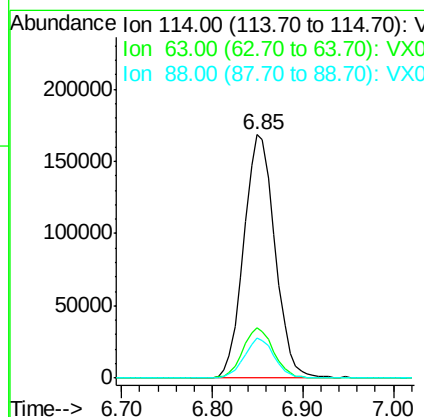
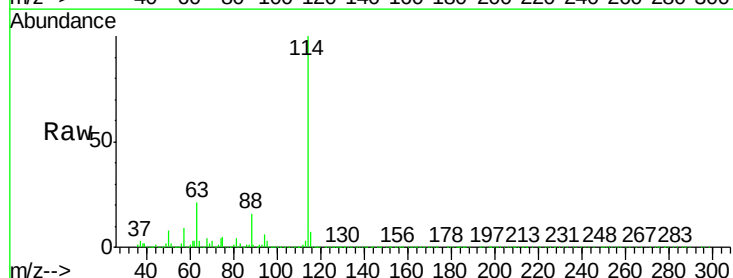
MMDadoda

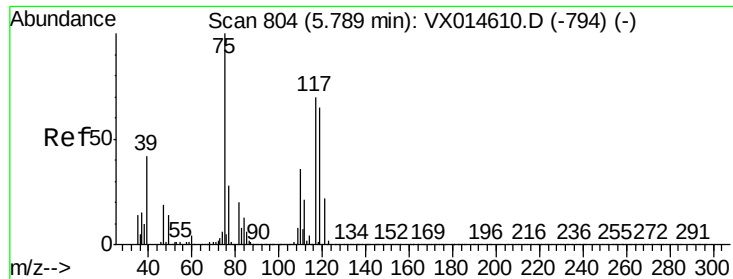
1/27/2020 10:35:57 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	15.6	12.5	18.7





#29
 1,1-Dichloropropene
 Concen: 19.278 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

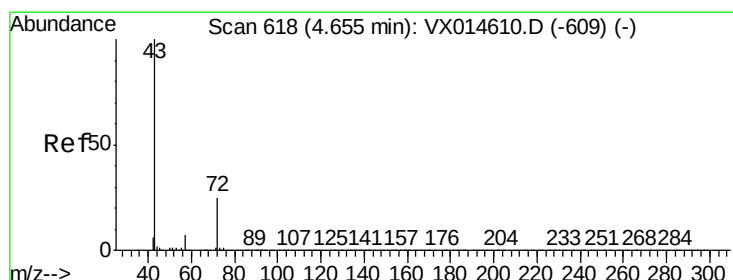
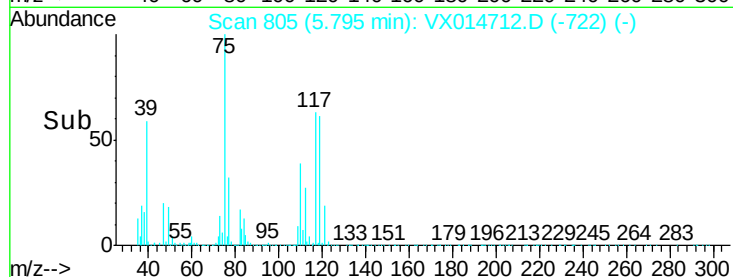
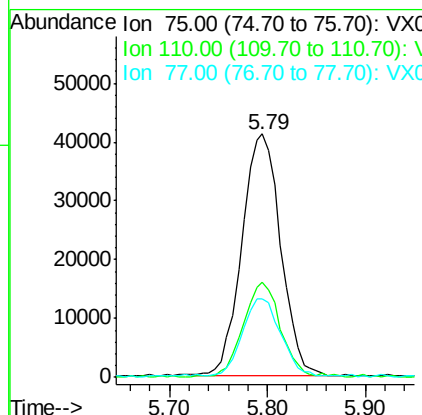
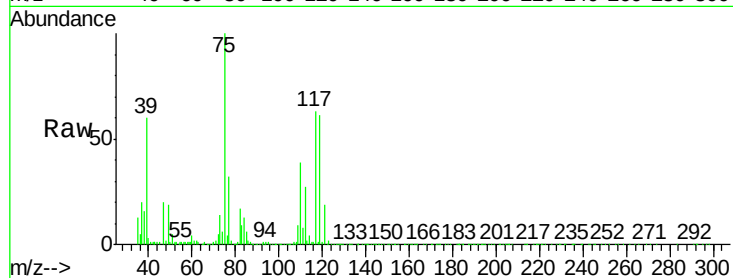
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	113120
Ion Ratio	Lower	Upper	
75	100		
110	37.0	0.0	73.8
77	32.0	0.0	62.4

Manual Integrations
 APPROVED

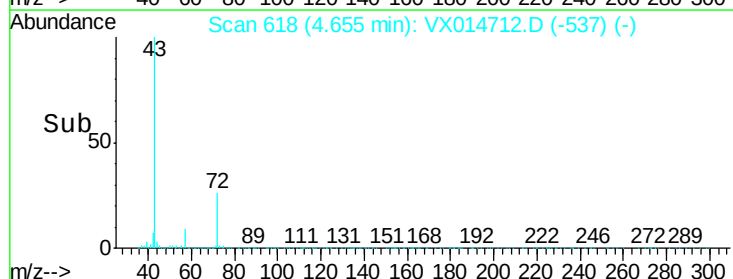
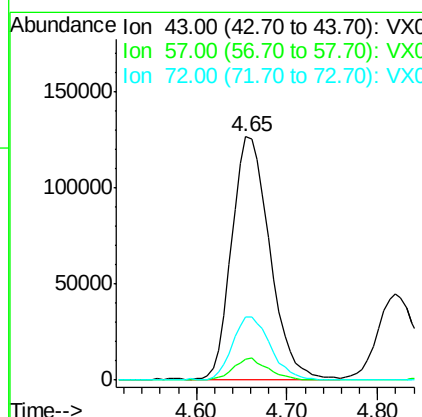
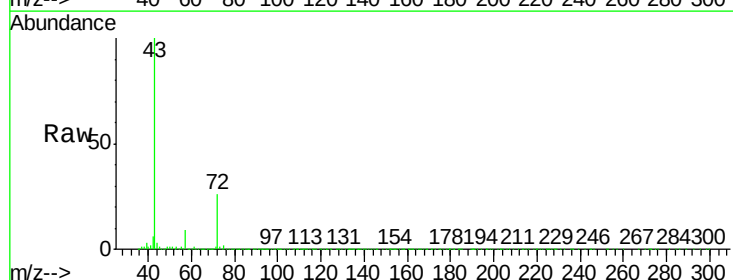
MMDadoda

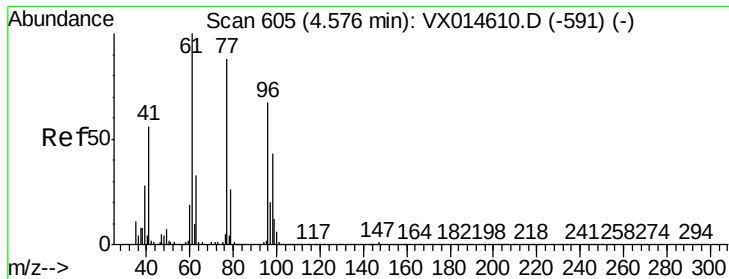
1/27/2020 10:35:57 AM



#30
 2-Butanone
 Concen: 99.030 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion:	43	Resp:	368087
Ion Ratio	Lower	Upper	
43	100		
57	8.2	6.2	9.2
72	25.4	20.3	30.5





#31
 2,2-Dichloropropane
 Concen: 17.991 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

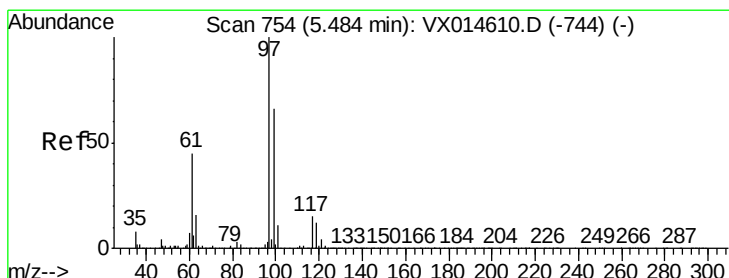
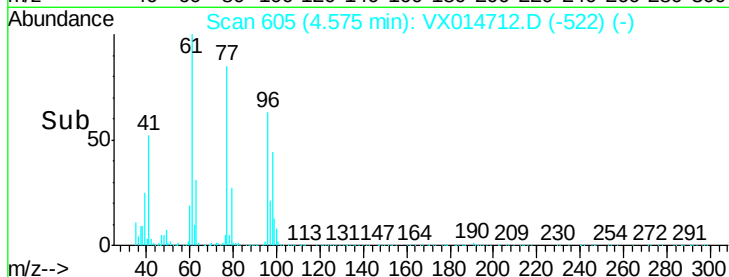
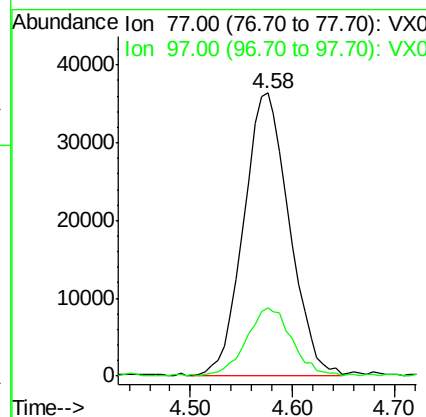
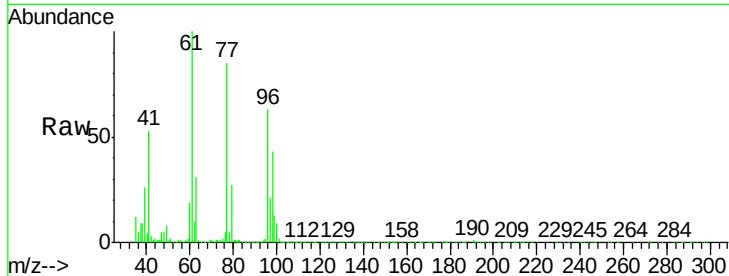
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.5	19.7	29.5

Manual Integrations
 APPROVED

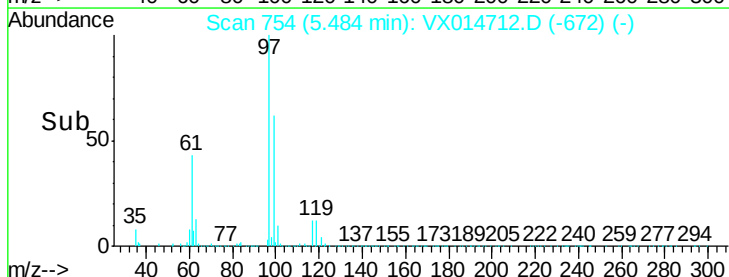
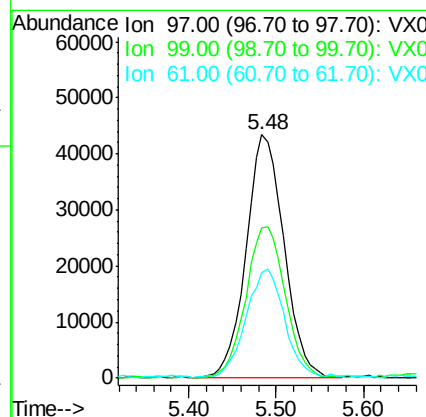
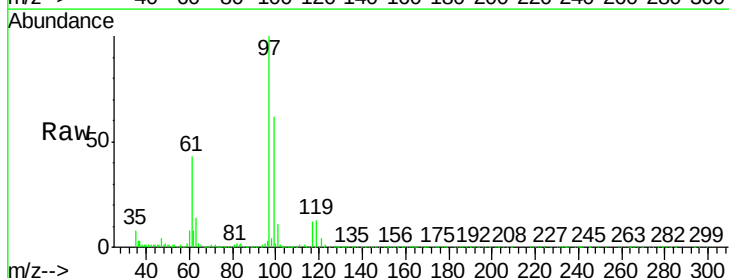
MMDadoda

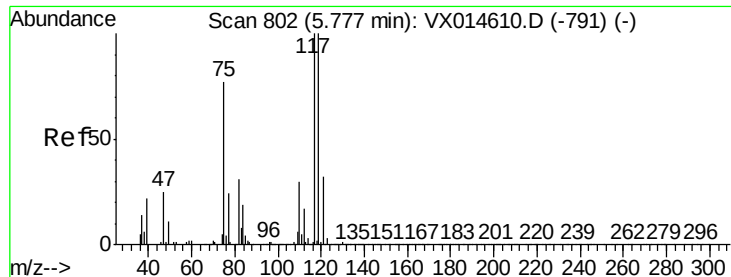
1/27/2020 10:35:57 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.211 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	44.9	36.8	55.2





#33
Carbon Tetrachloride
Concen: 19.529 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

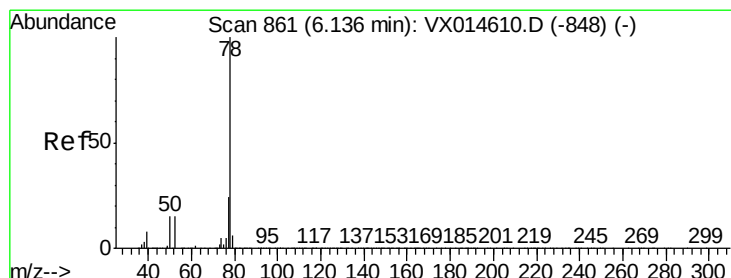
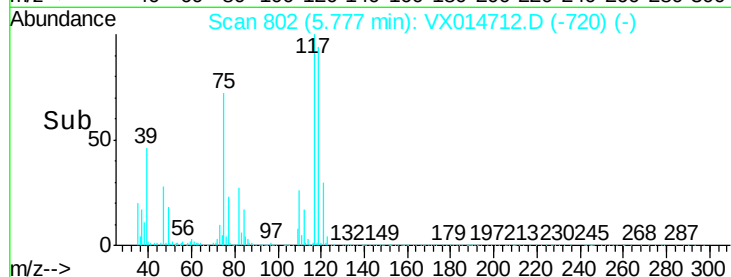
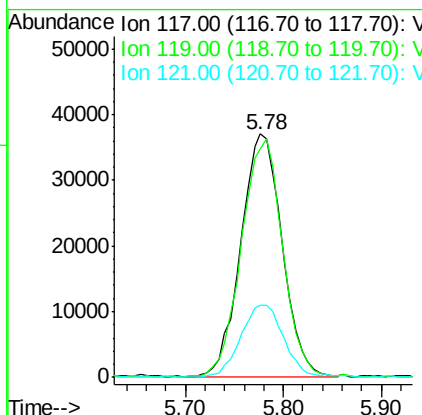
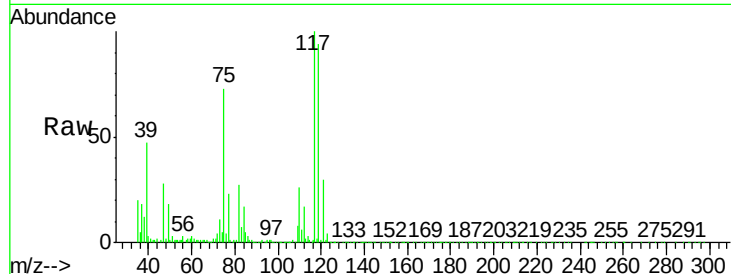
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.2	115.8
121	29.5	24.8	37.2

Manual Integrations
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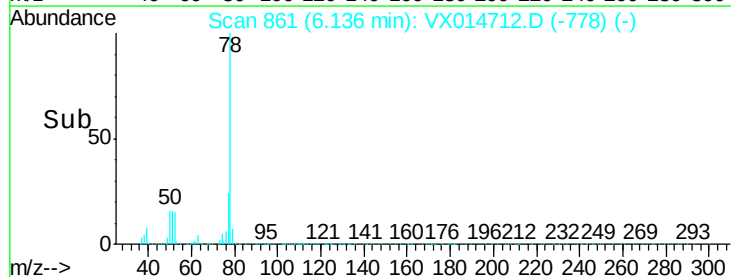
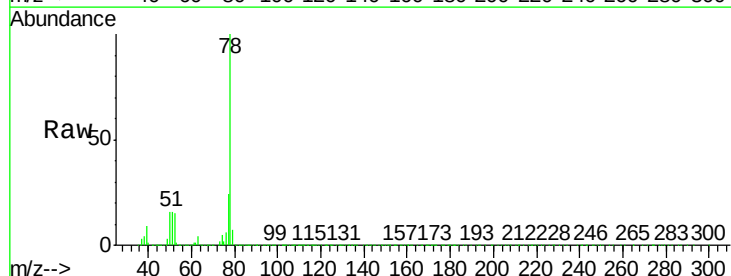
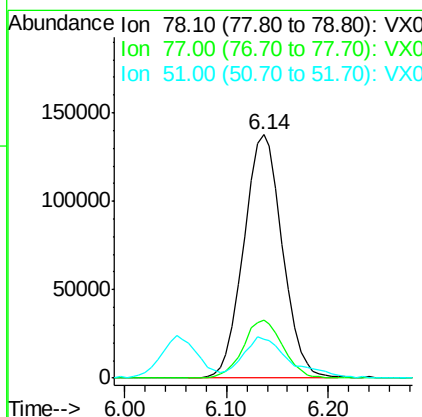
MMDadoda

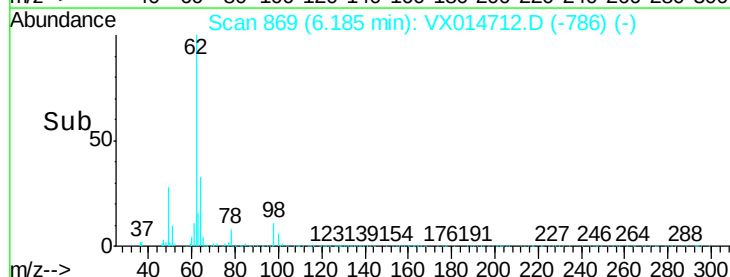
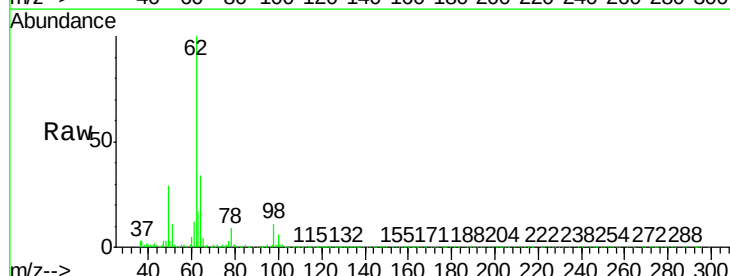
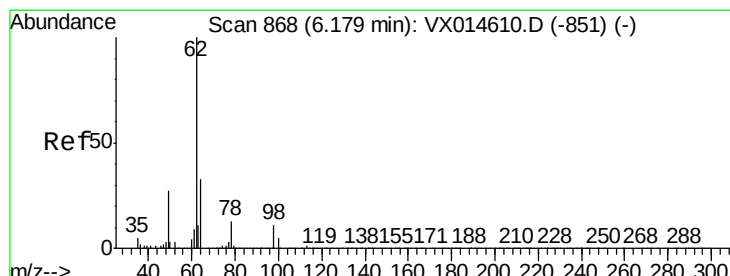
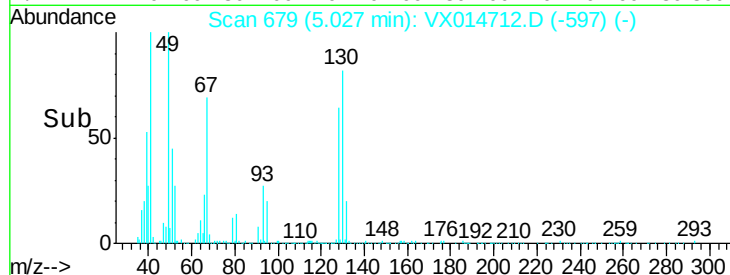
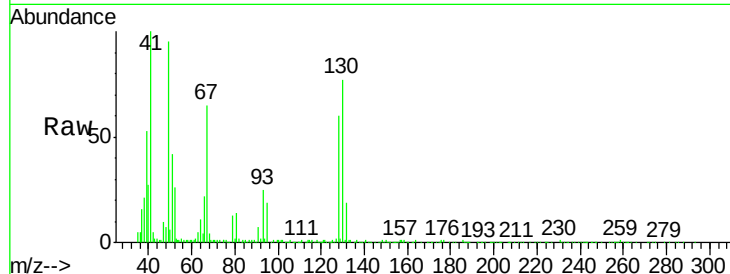
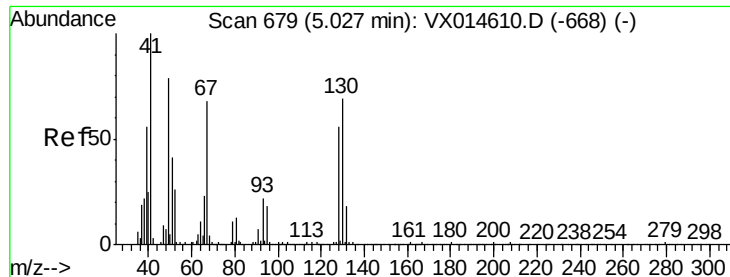
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#34
Benzene
Concen: 19.966 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

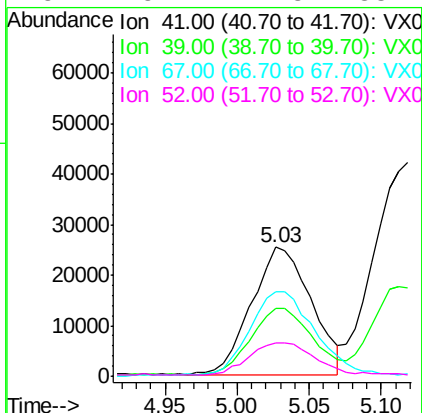
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.2
51	14.8	12.4	18.6





#35
Methacrylonitrile
Concen: 19.631 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	52.5	26.7	80.1
67	67	64.0	31.5	94.5
52	52	25.1	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

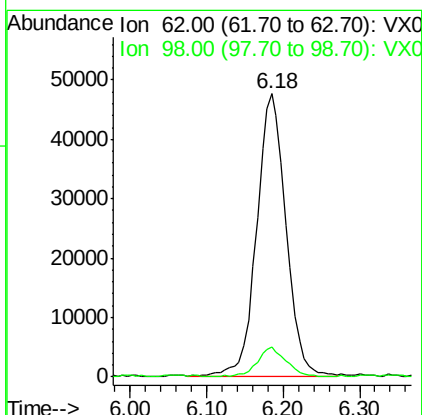
Manual Integrations
APPROVED

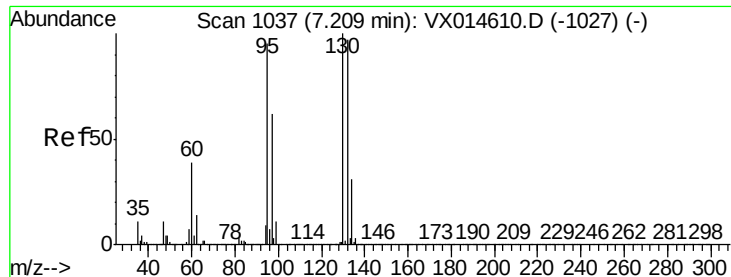
MMDadoda

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#36
1,2-Dichloroethane
Concen: 20.306 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	10.3	8.4	12.6





#37

Trichloroethene

Concen: 20.998 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 104245

Ion Ratio Lower Upper

130 100

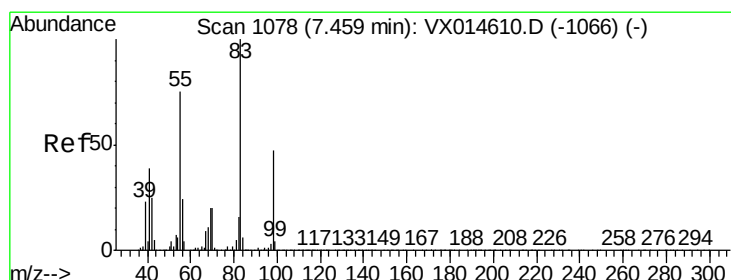
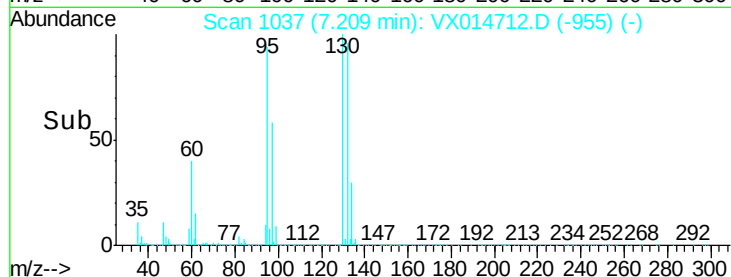
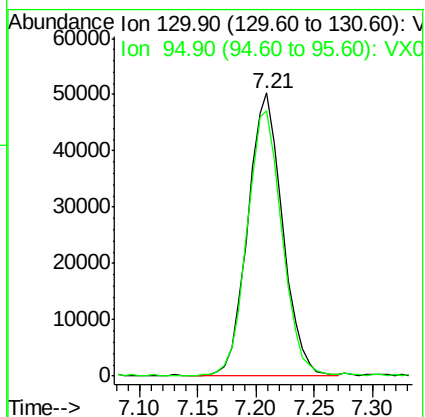
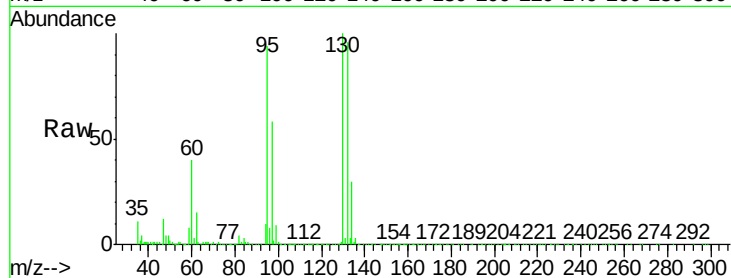
95 93.7 71.7 107.5

Manual Integrations

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#38

Methylcyclohexane

Concen: 18.656 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

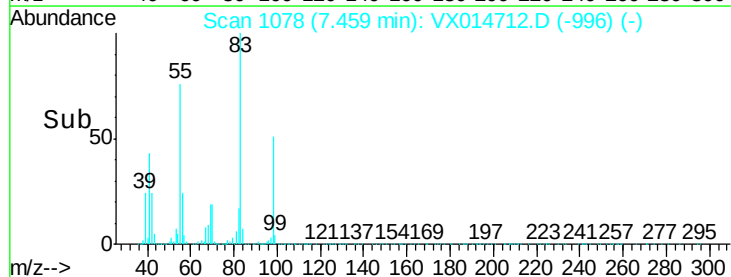
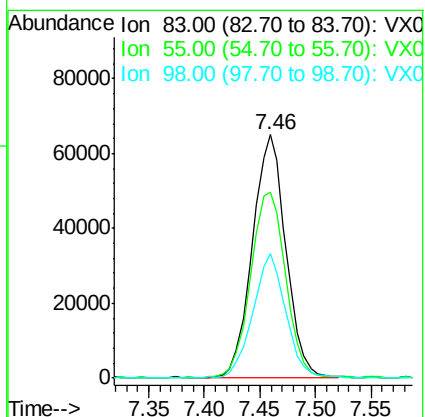
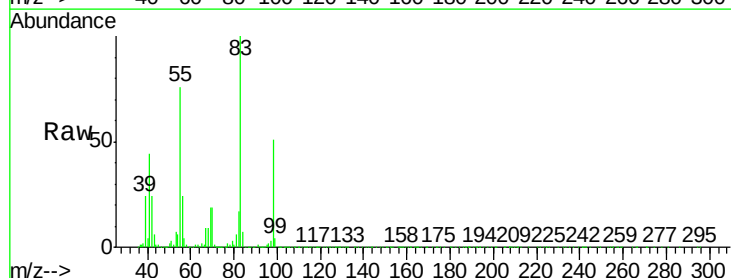
Tgt Ion: 83 Resp: 136294

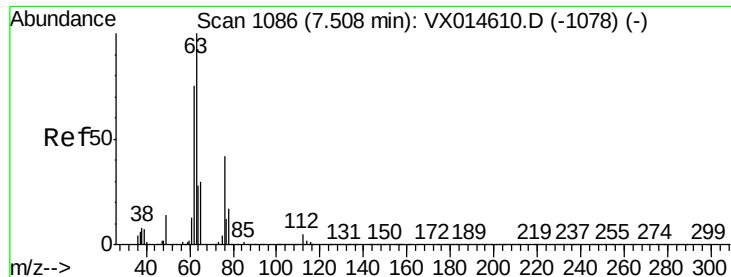
Ion Ratio Lower Upper

83 100

55 79.0 39.4 118.1

98 50.6 25.1 75.3





#39
 1,2-Dichloropropane
 Concen: 19.637 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

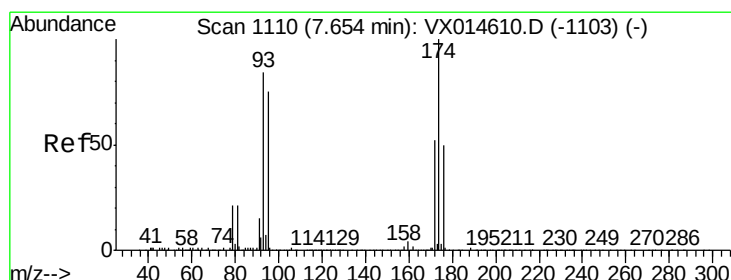
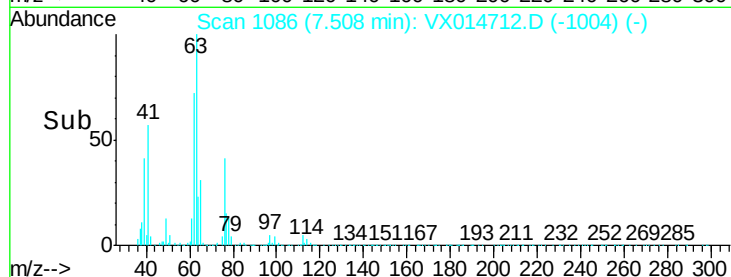
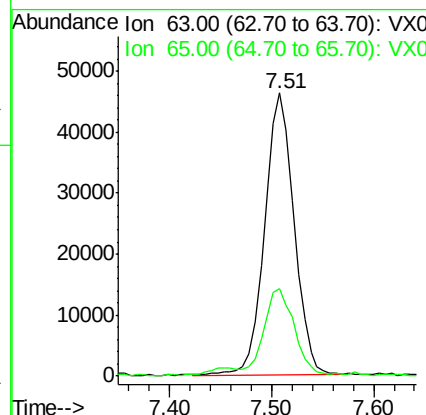
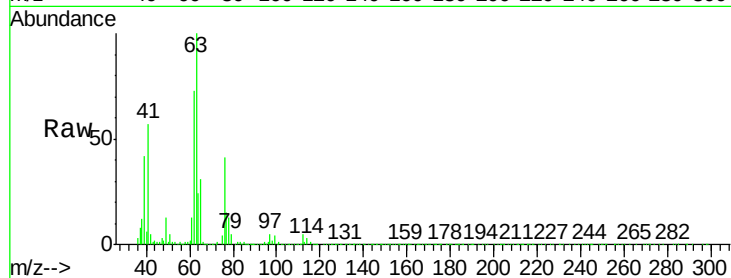
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	22.1	33.1

Manual Integrations
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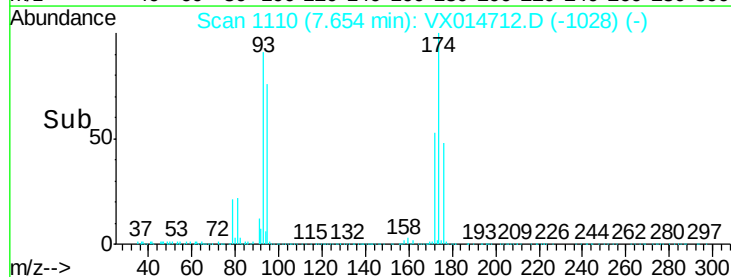
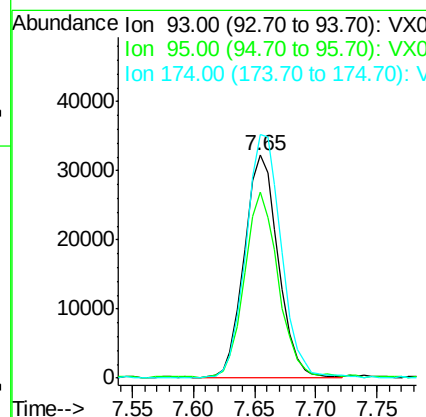
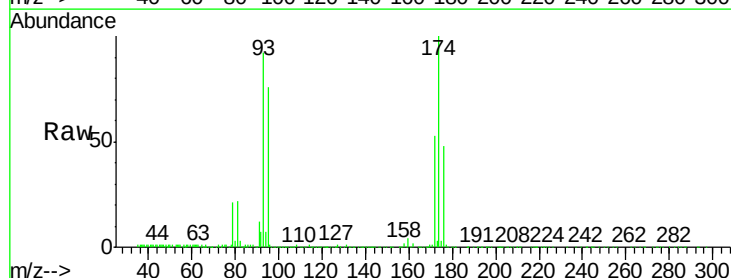
MMDadoda

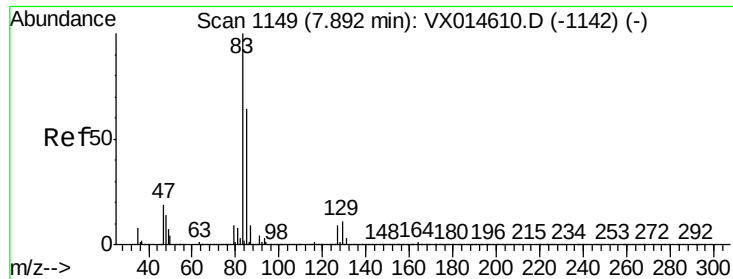
1/27/2020 10:35:57 AM



#40
 Dibromomethane
 Concen: 20.548 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	0.0	164.4
174	112.0	0.0	228.8





#41

Bromodichloromethane

Concen: 19.750 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

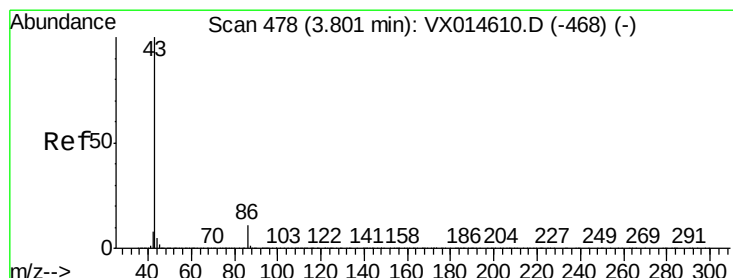
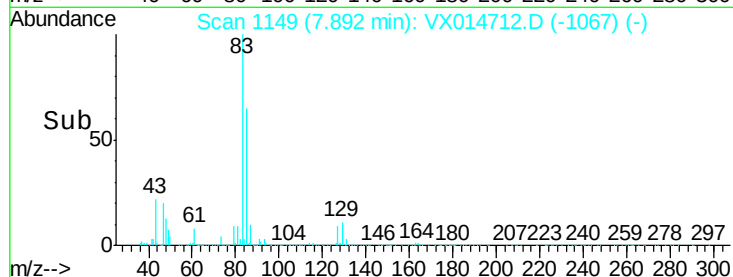
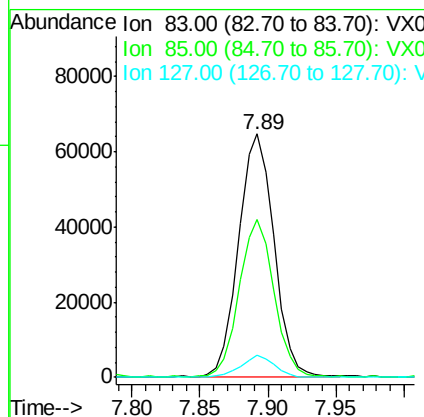
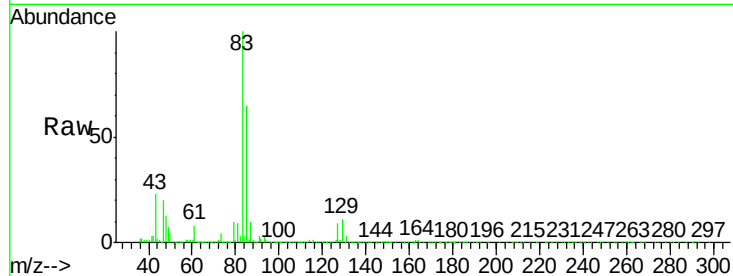
VSTDCCC020EC

Tot Ion:	83	Resp:	117190
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.6	77.4
127	8.9	6.0	9.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 75.271 ug/l

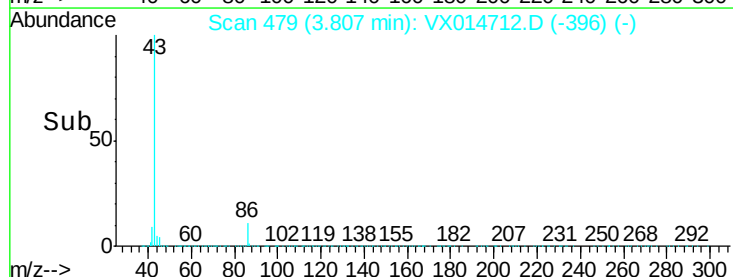
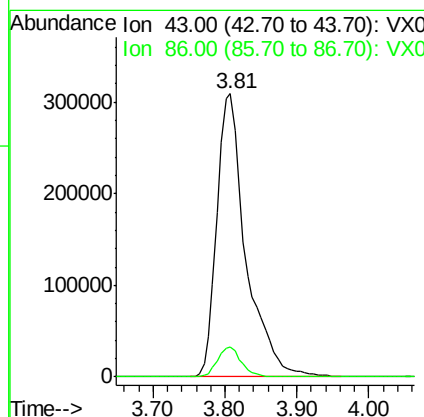
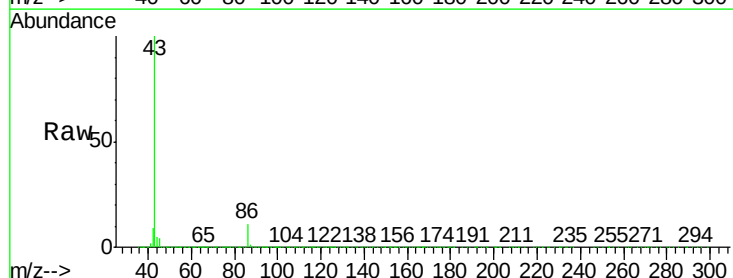
RT: 3.81 min Scan# 479

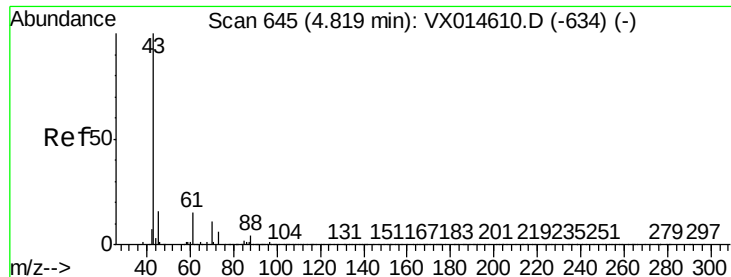
Delta R.T. 0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	43	Resp:	862337
Ion Ratio	Lower	Upper	
43	100		
86	8.8	7.7	11.5





#43
Ethyl Acetate
Concen: 19.264 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

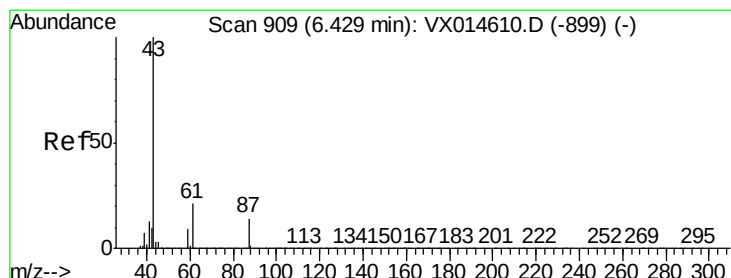
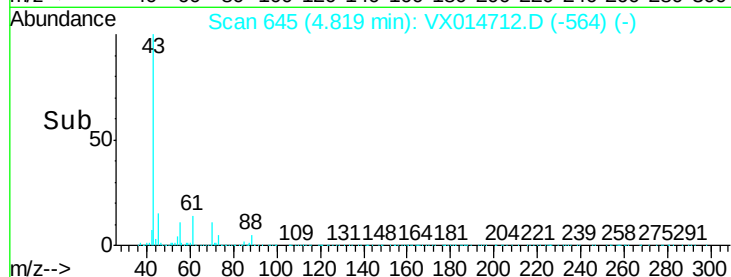
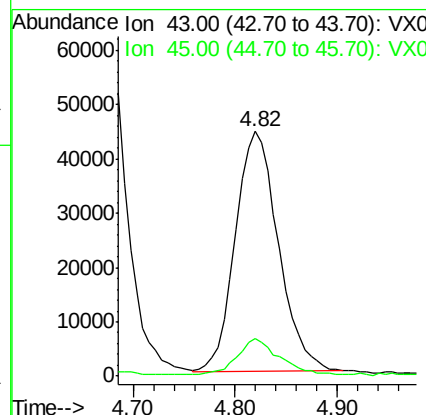
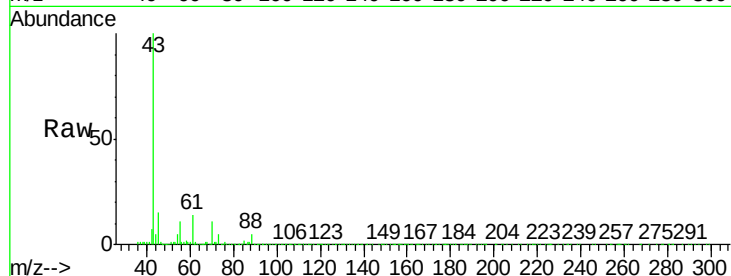
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
129618	43	100		
	45	14.5	11.8	17.8

Manual Integrations
APPROVED

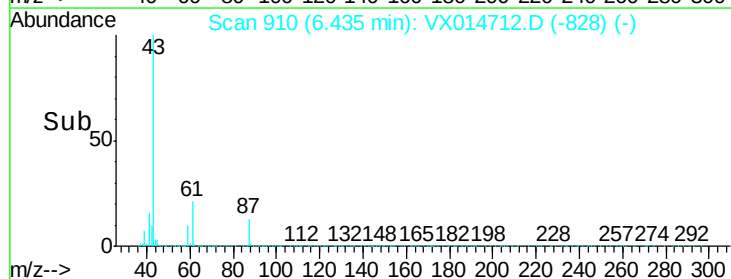
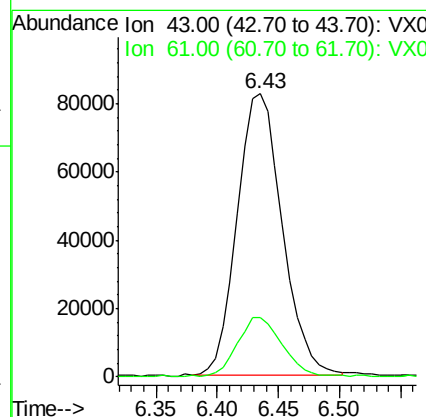
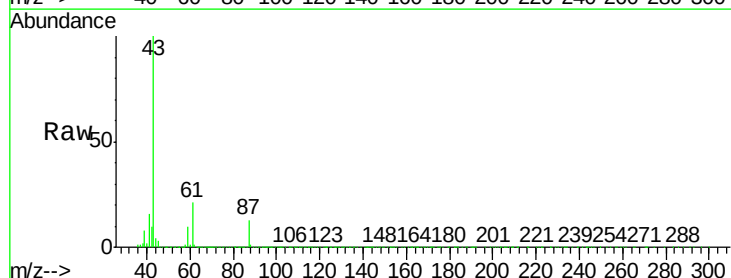
MMDadoda

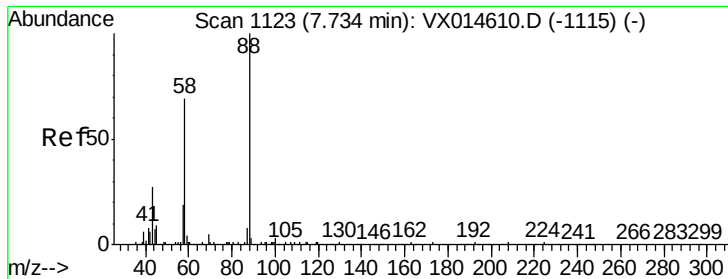
1/27/2020 10:35:57 AM



#44
Isopropyl Acetate
Concen: 19.449 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	43	Ratio	Lower	Upper
211109	43	100		
	61	20.5	15.9	23.9





#45

1,4-Dioxane

Concen: 426.226 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

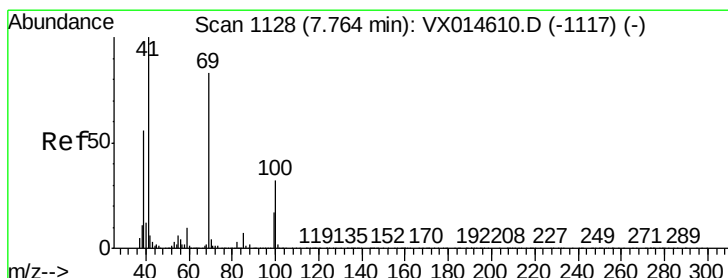
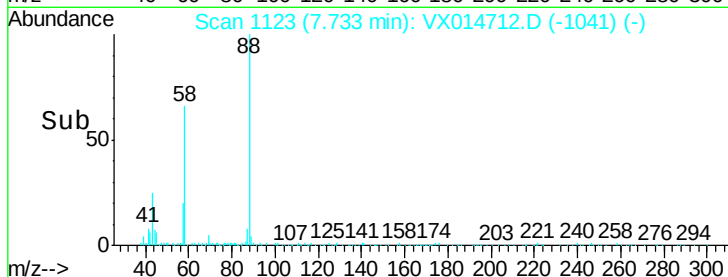
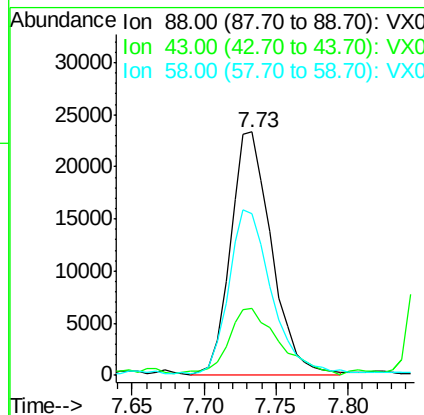
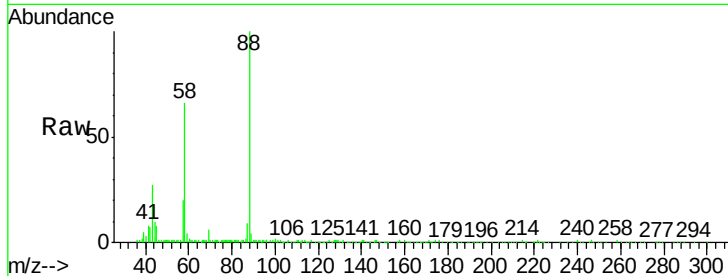
VSTDCCC020EC

Tot Ion:	88	Resp:	46279
Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.4	38.2
58	69.6	56.5	84.7

Manual Integrations
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MMDadoda

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#46

Methyl methacrylate

Concen: 19.417 ug/l

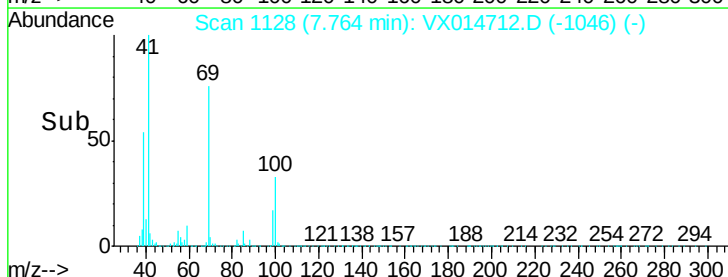
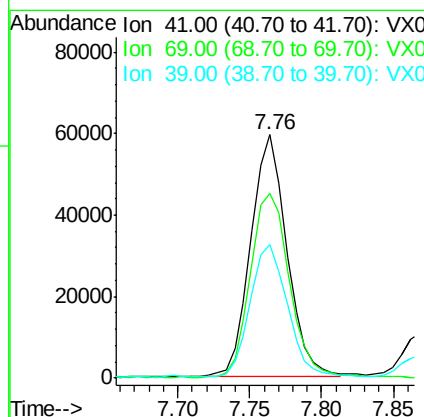
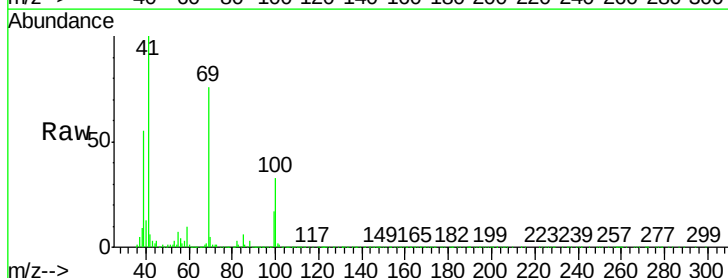
RT: 7.76 min Scan# 1128

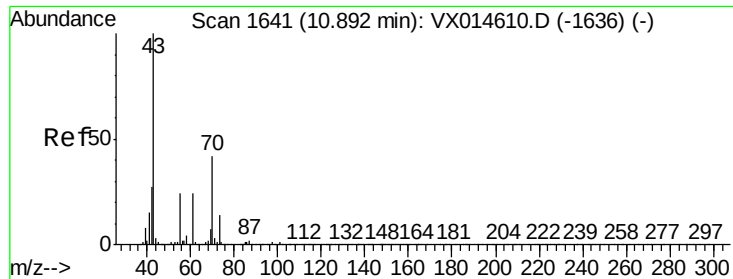
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	41	Resp:	103648
Ion	Ratio	Lower	Upper
41	100		
69	75.8	40.6	122.0
39	54.6	27.8	83.3





#47

n-amvl Acetate

Concen: 20.077 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 43 Resp: 182599

Ion Ratio Lower Upper

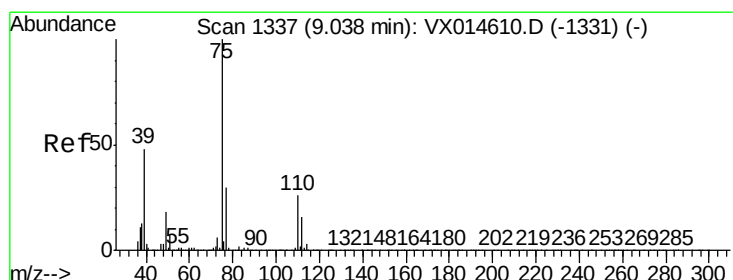
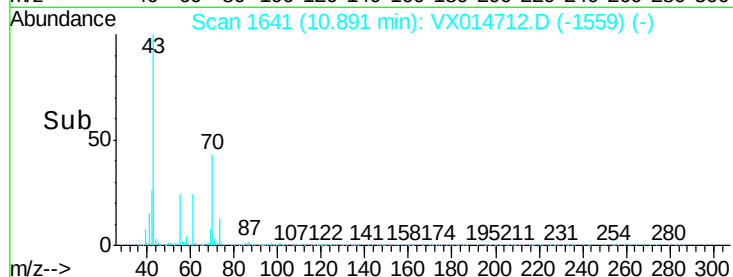
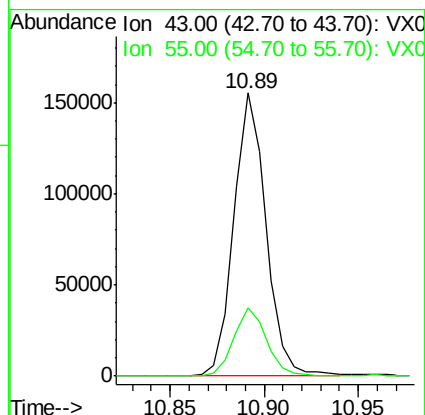
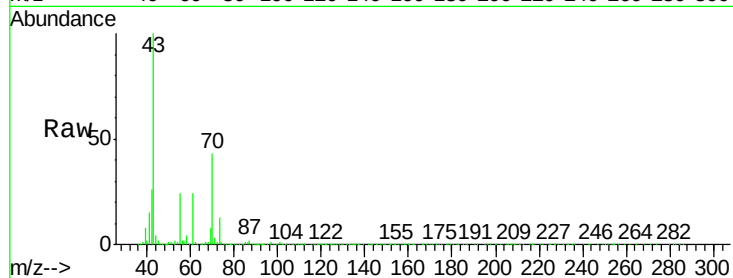
43 100

55 24.3 19.4 29.2

Manual Integrations
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MMDadoda

1/27/2020 10:35:57 AM



#48

t-1,3-Dichloropropene

Concen: 19.350 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014712.D

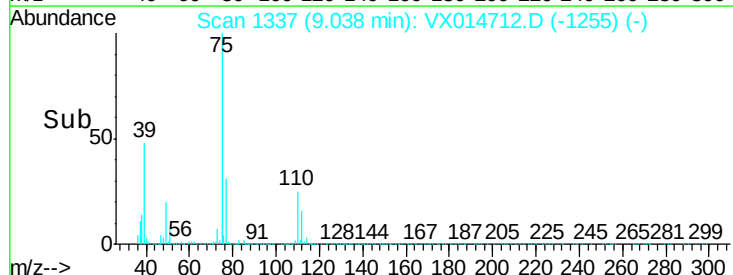
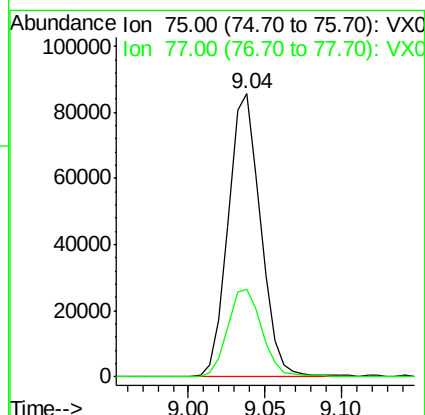
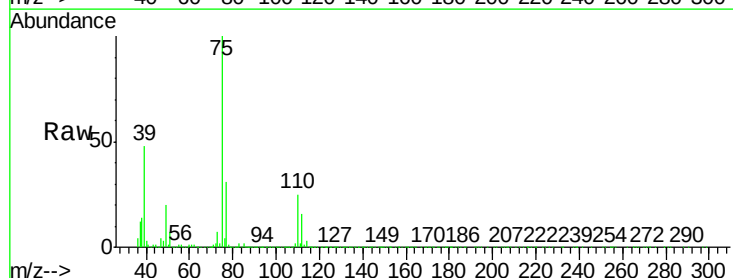
Acq: 24 Jan 2020 21:12

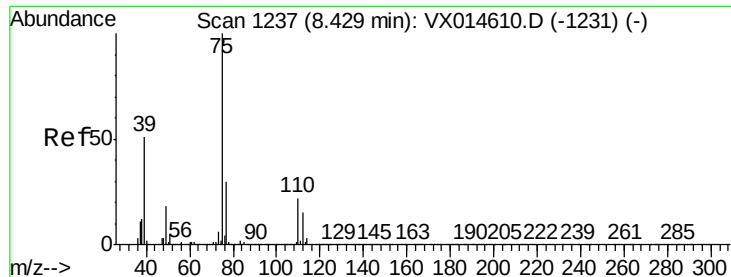
Tgt Ion: 75 Resp: 125358

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.369 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

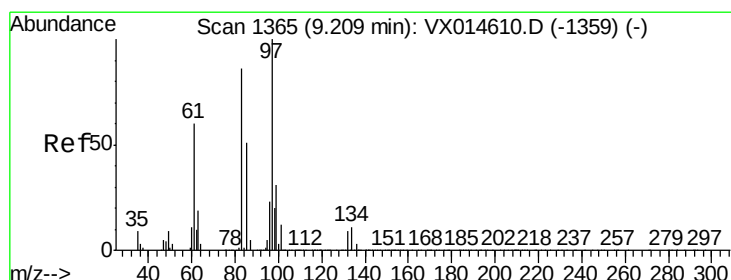
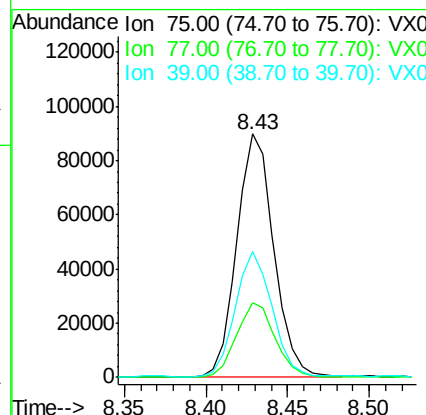
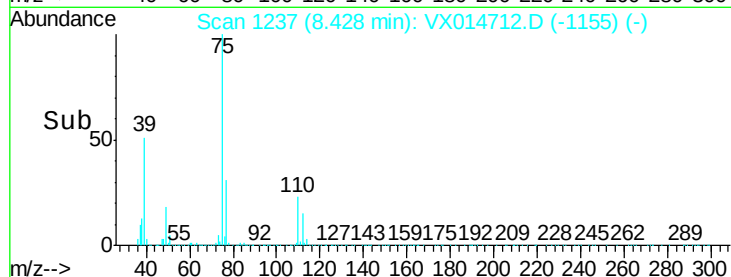
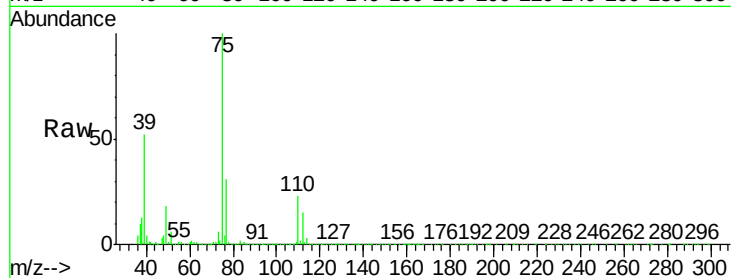
VSTDCCC020EC

Tot Ion:	75	Resp:	141389
Ion Ratio	Lower	Upper	
75	100		
77	30.2	24.8	37.2
39	51.4	41.1	61.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 20.246 ug/l

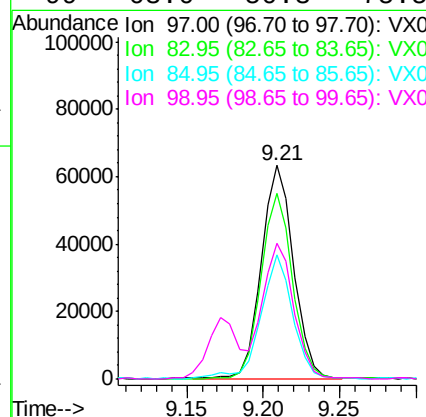
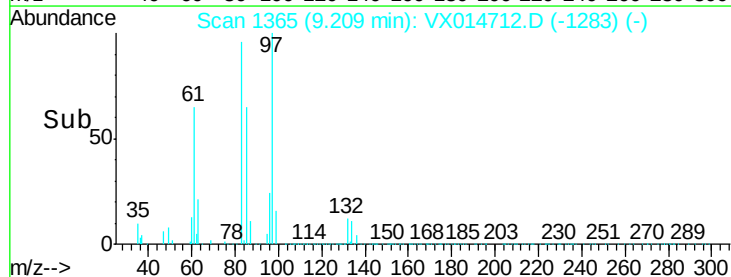
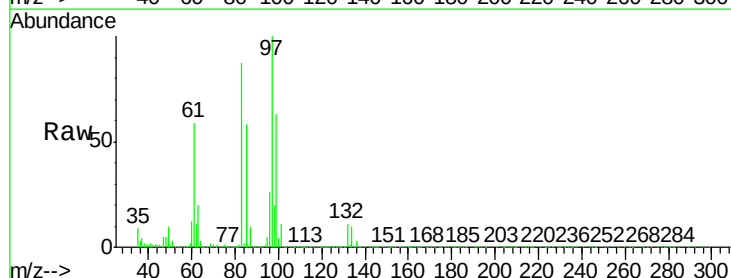
RT: 9.21 min Scan# 1365

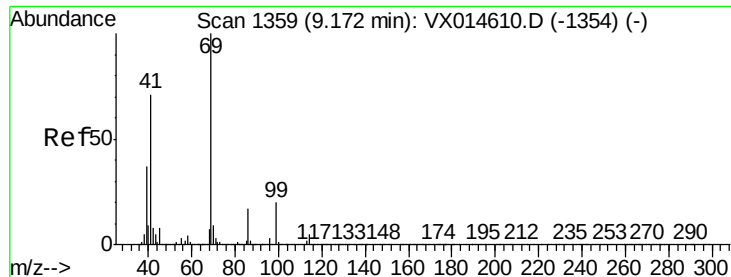
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	97	Resp:	93348
Ion Ratio	Lower	Upper	
97	100		
83	87.0	68.1	102.1
85	58.3	42.7	64.1
99	63.0	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.177 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampled :

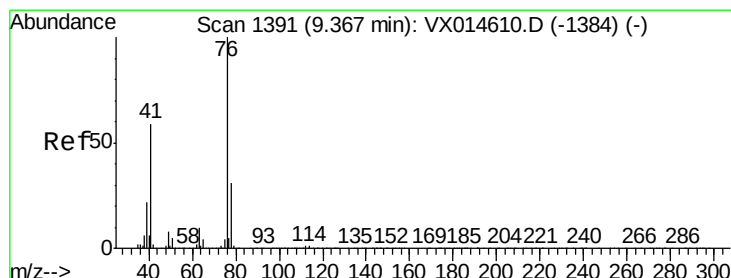
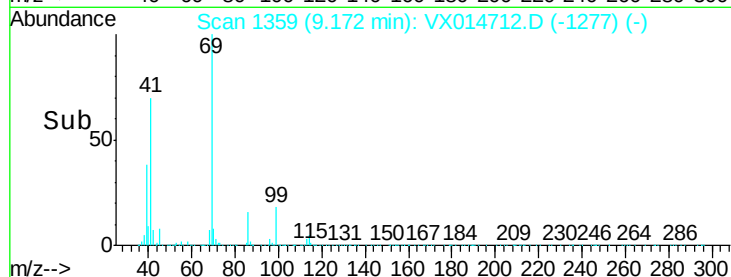
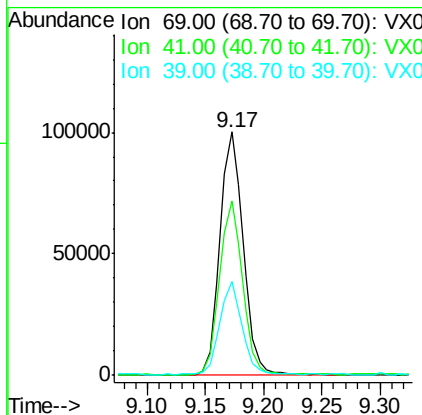
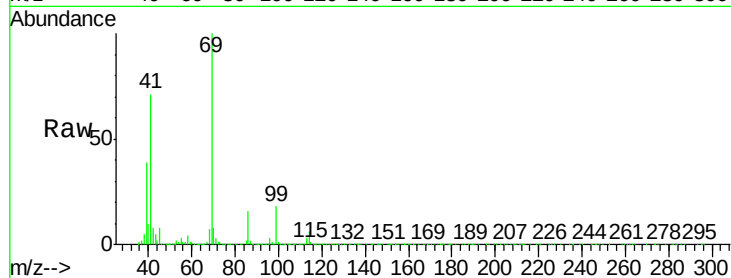
VSTDCCC020EC

Tot Ion:	69	Resp:	137674
Ion	Ratio	Lower	Upper
69	100		
41	71.1	35.4	106.1
39	38.1	17.8	53.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.317 ug/l

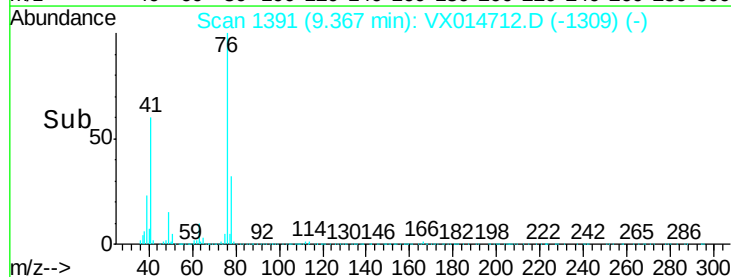
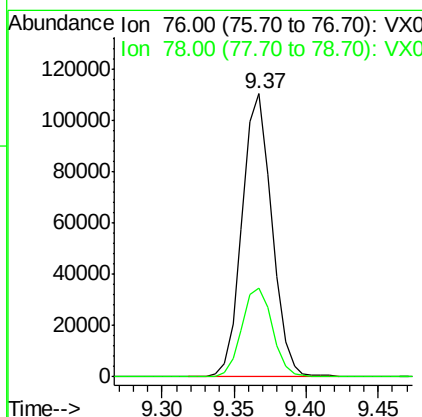
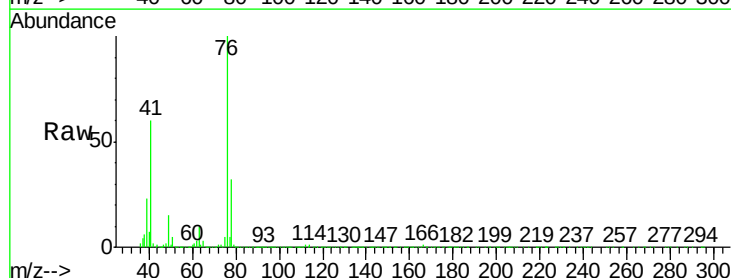
RT: 9.37 min Scan# 1391

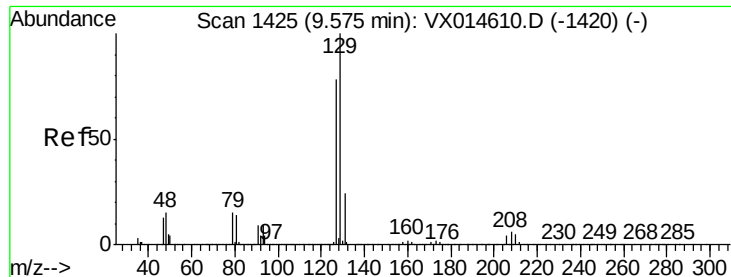
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	76	Resp:	158714
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4





#53
Dibromochloromethane
Concen: 20.177 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

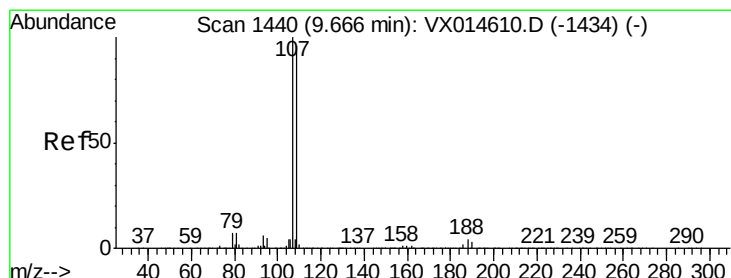
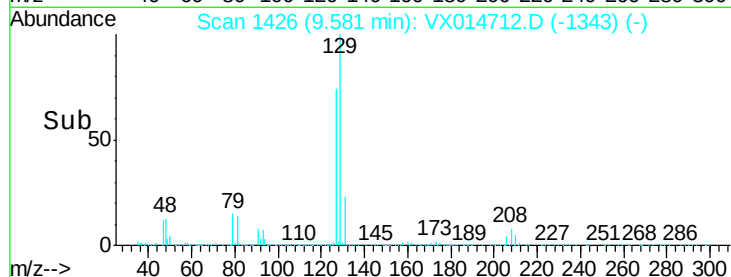
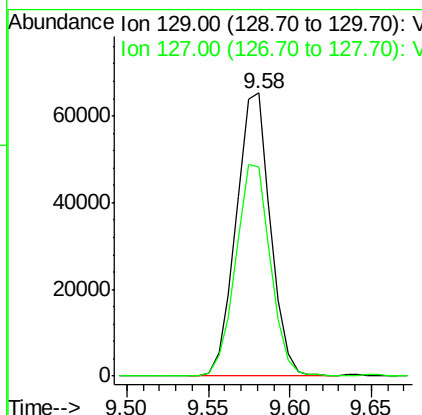
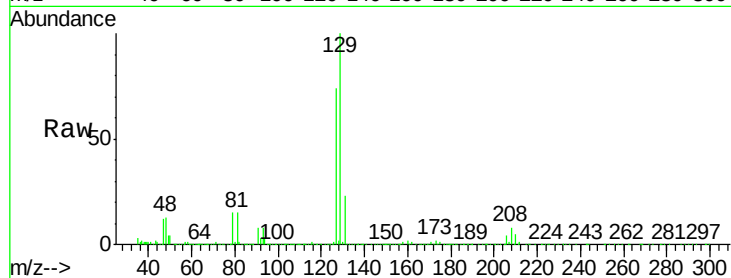
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		95160		
127	76.1	39.1	117.5		

Manual Integrations
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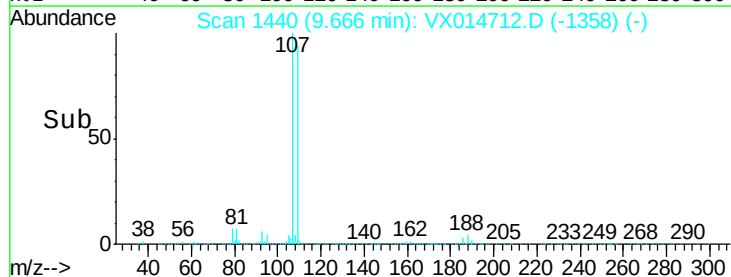
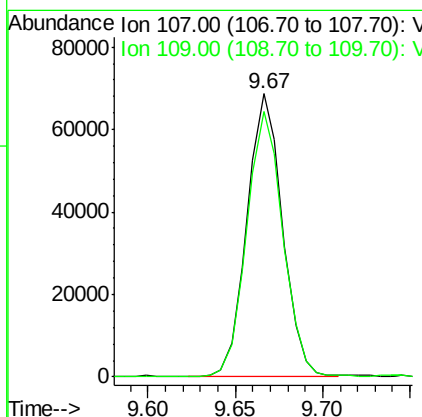
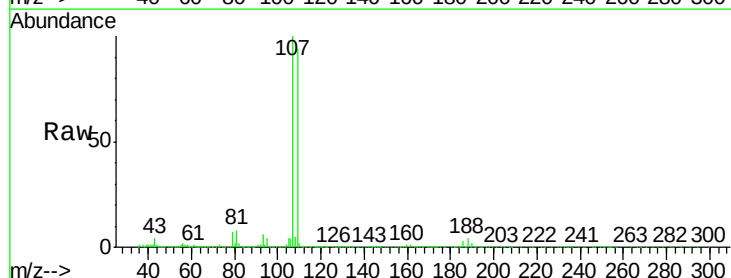
MMDadoda

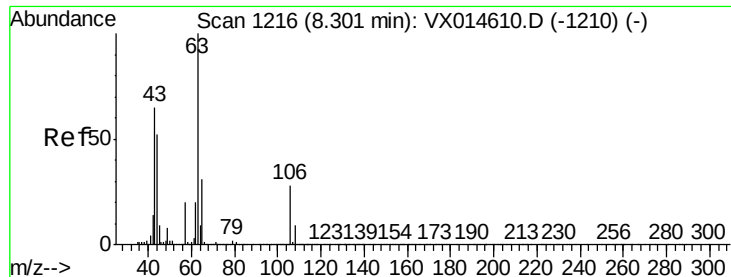
1/27/2020 10:35:57 AM



#54
1,2-Dibromoethane
Concen: 20.243 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		96802		
109	95.5	77.2	115.8		





#55
 2-Chloroethyl vinyl ether
 Concen: 96.912 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

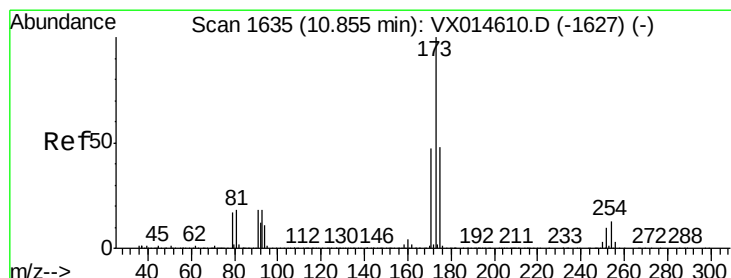
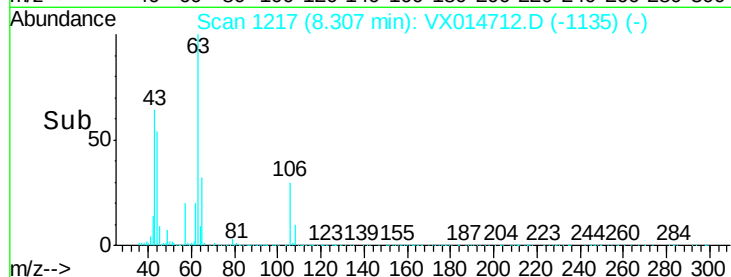
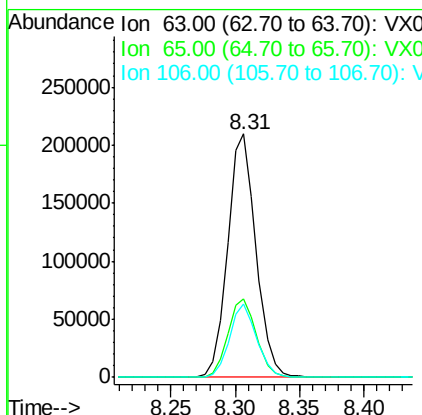
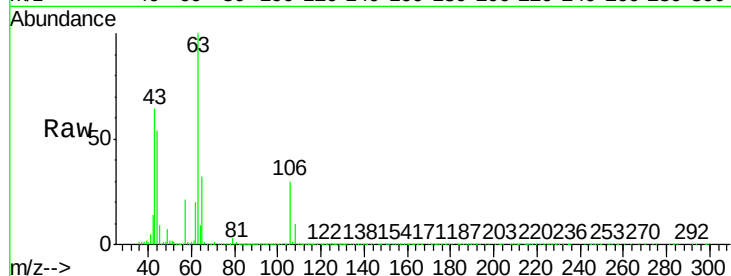
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	319751
Ion Ratio	Lower	Upper	
63	100		
65	32.6	25.8	38.6
106	29.3	22.9	34.3

Manual Integrations
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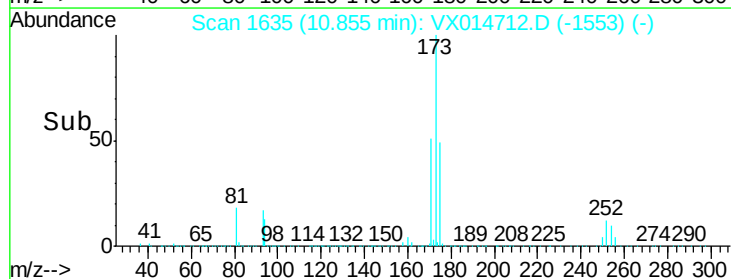
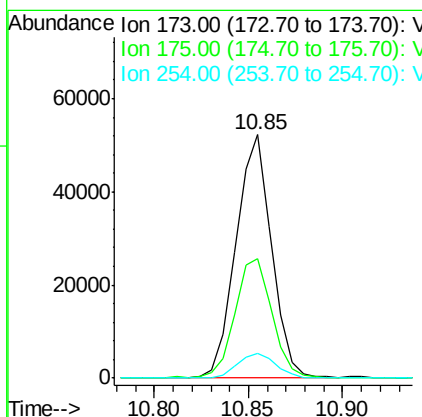
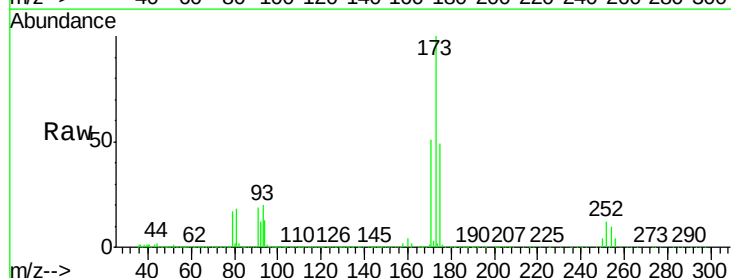
MMDadoda

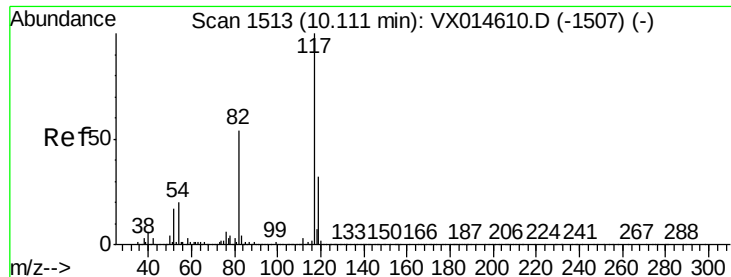
1/27/2020 10:35:57 AM



#56
 Bromoform
 Concen: 18.816 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion:	173	Resp:	68353
Ion Ratio	Lower	Upper	
173	100		
175	51.0	39.5	59.3
254	11.1	8.2	12.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

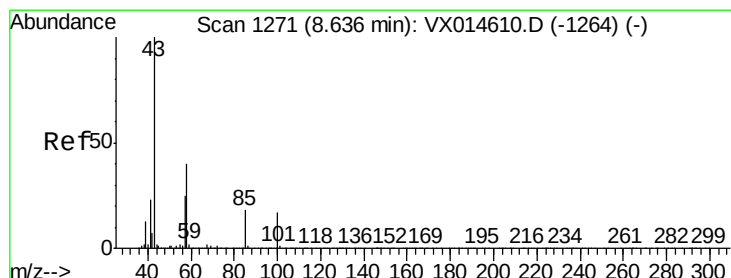
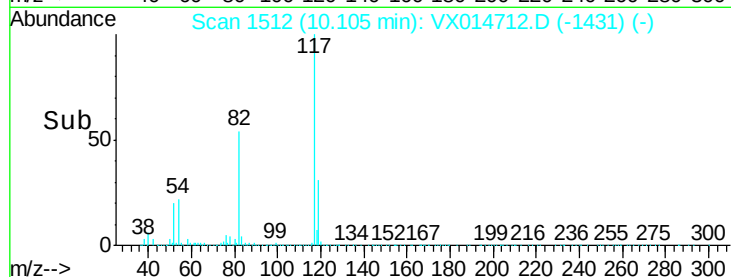
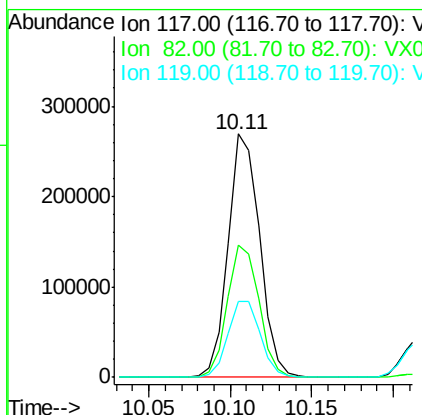
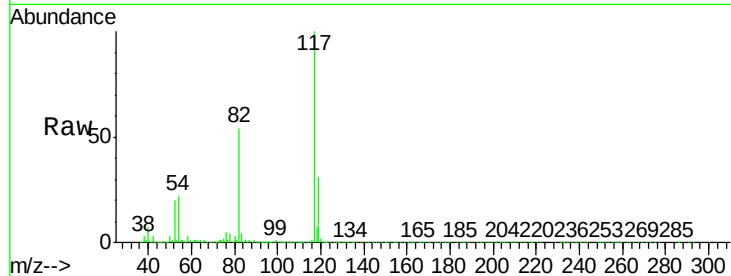
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.6
119	32.2	25.8	38.6

Manual Integrations
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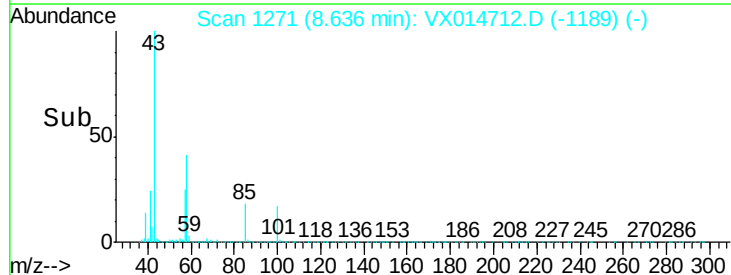
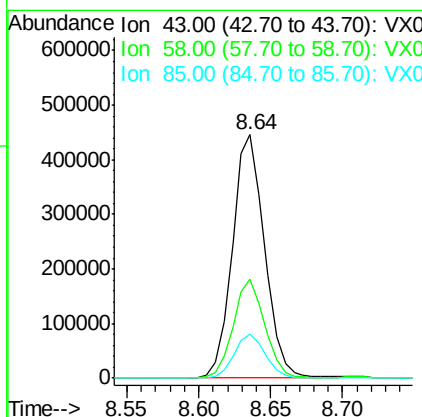
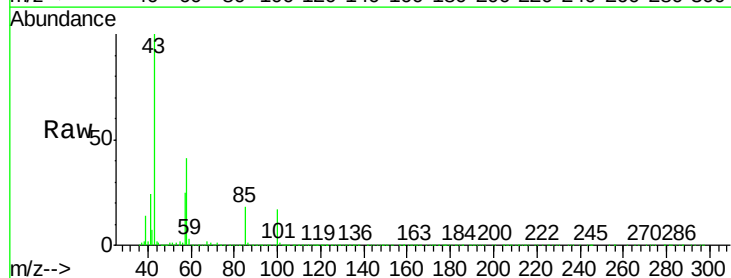
MMDadoda

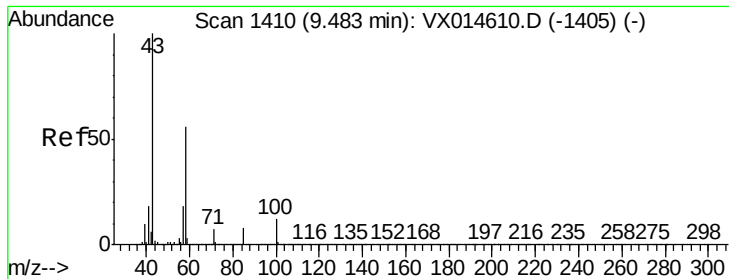
1/27/2020 10:35:57 AM



#58
4-Methyl-2-Pentanone
Concen: 101.448 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	17.5	14.2	21.2





#59
2-Hexanone
Concen: 101.331 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

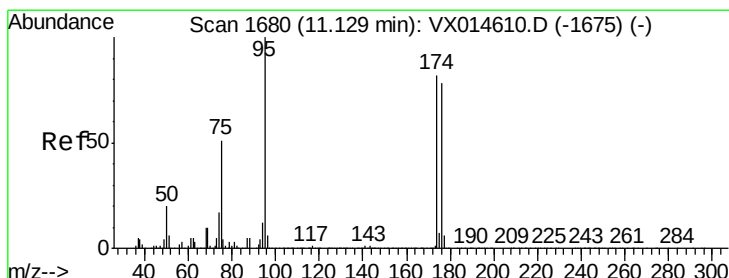
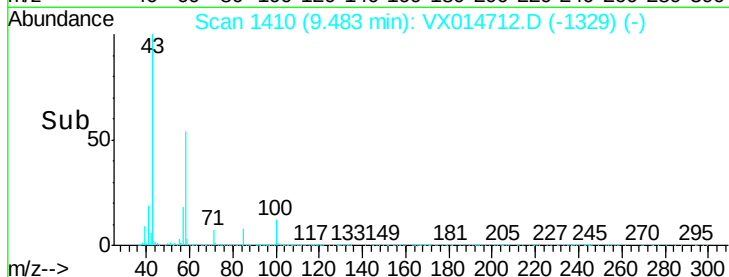
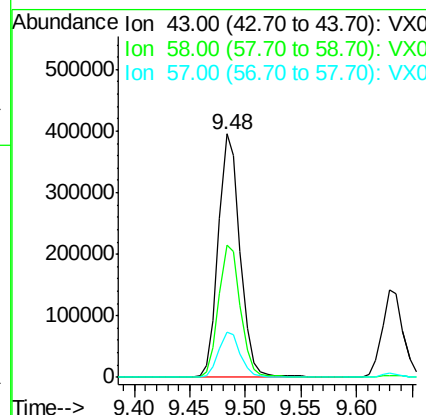
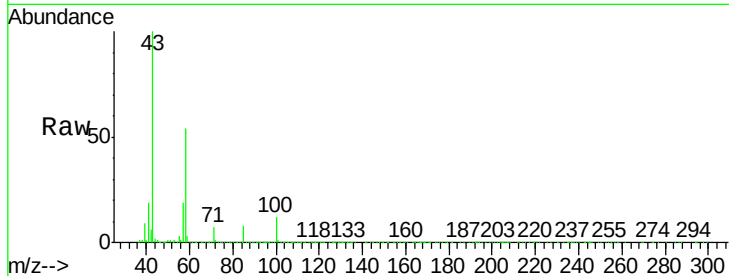
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.8	65.6
57	18.3	15.4	23.0

Manual Integrations
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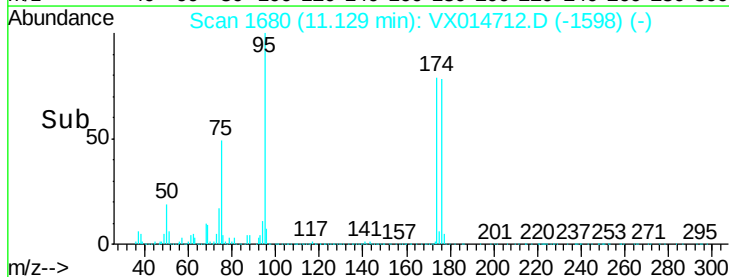
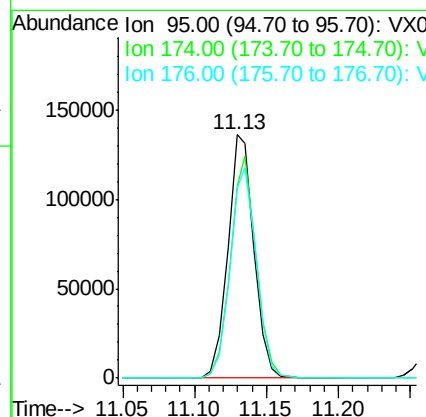
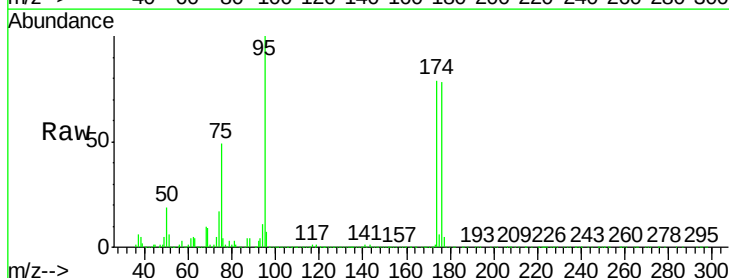
MMDadoda

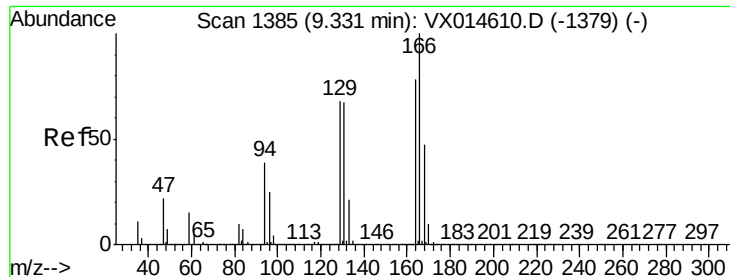
1/27/2020 10:35:57 AM



#60
4-Bromofluorobenzene
Concen: 29.854 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	70.2	105.2
176	87.0	68.3	102.5





#61
Tetrachloroethene
Concen: 26.516 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

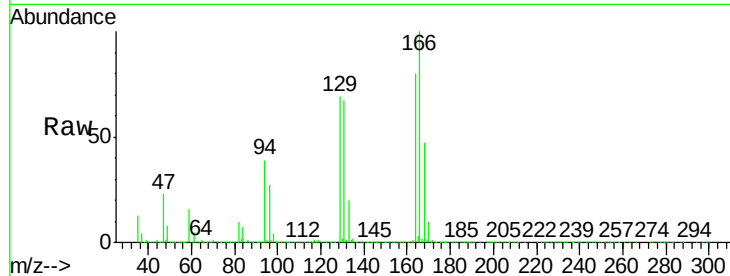
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.3	104.2	156.2
129	87.0	71.6	107.4
131	83.6	71.7	107.5

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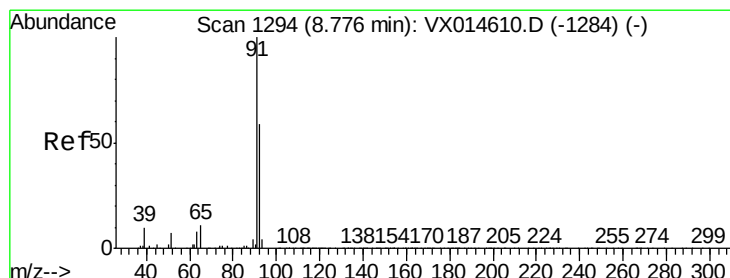
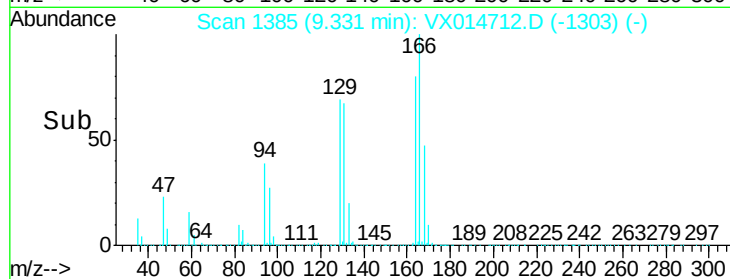
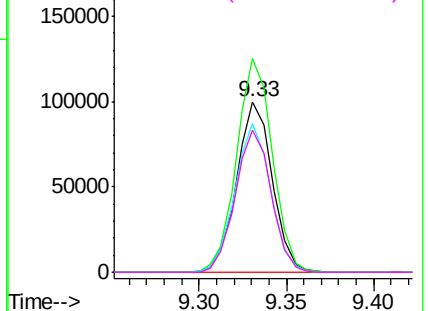
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

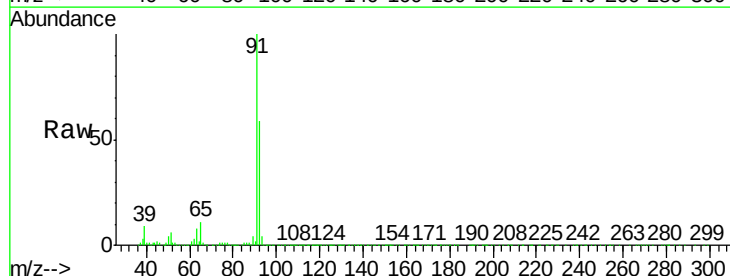
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.136 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

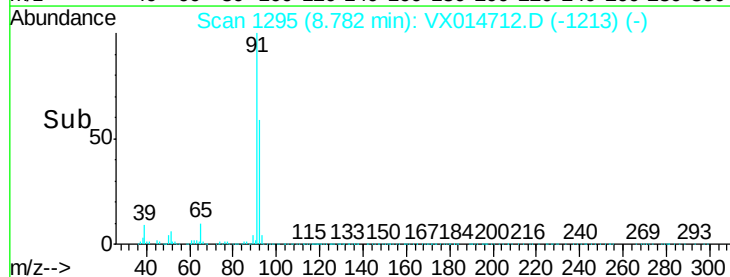
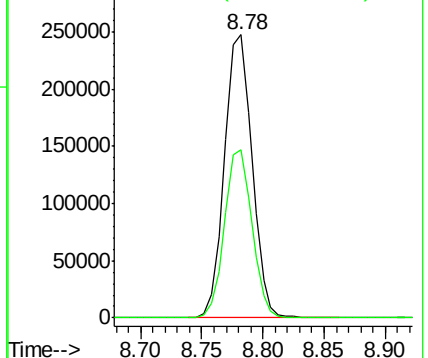
Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	46.4	69.6

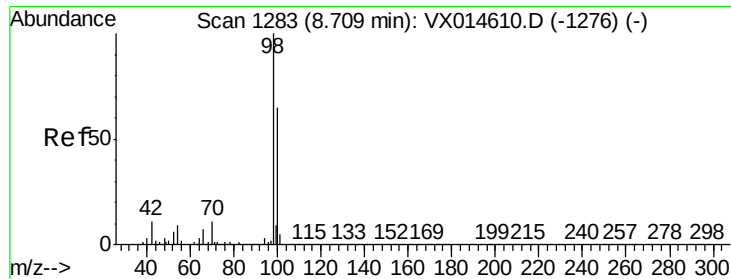


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63
Toluene-d8
Concen: 30.034 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

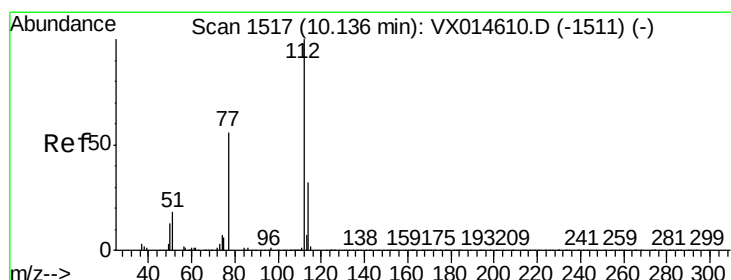
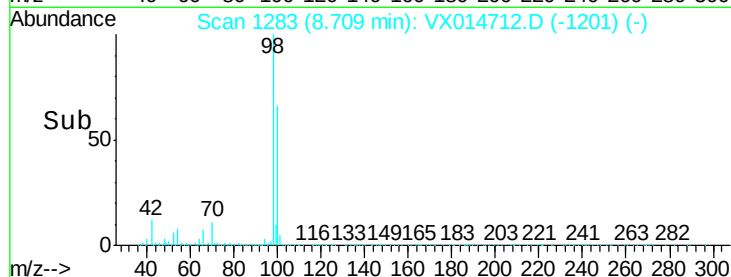
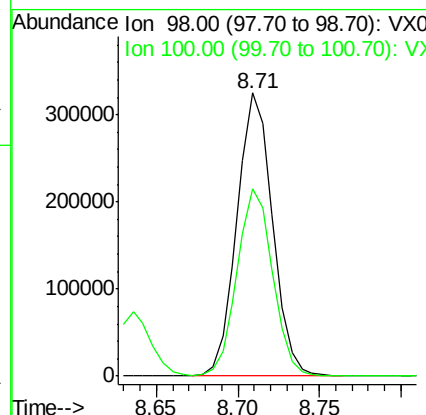
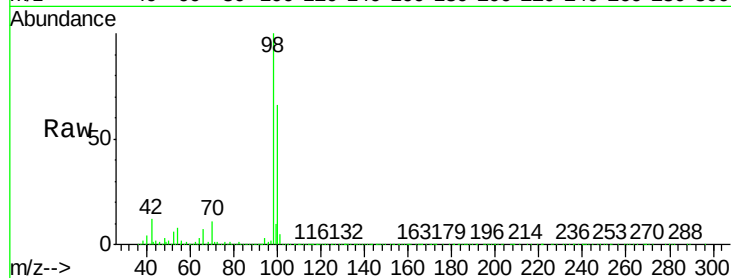
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	66.5	52.2	78.2	

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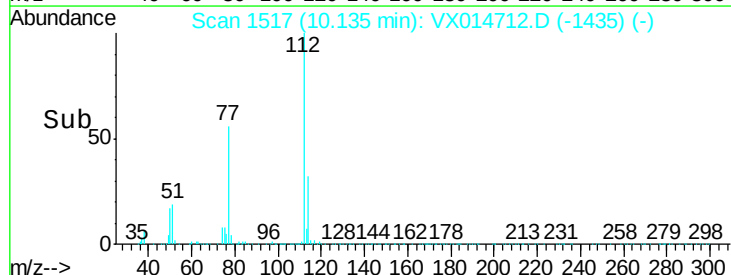
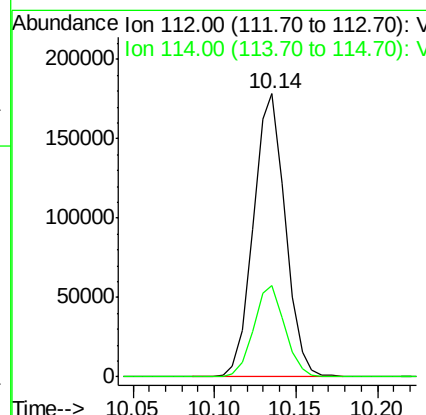
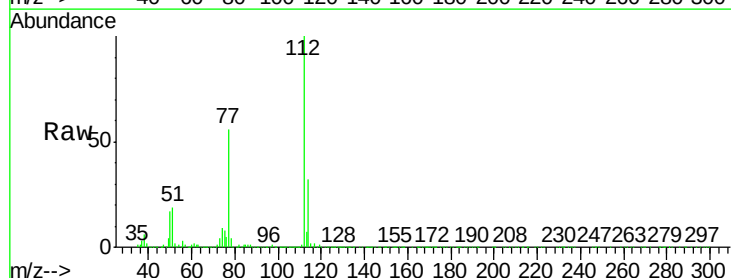
MMDadoda

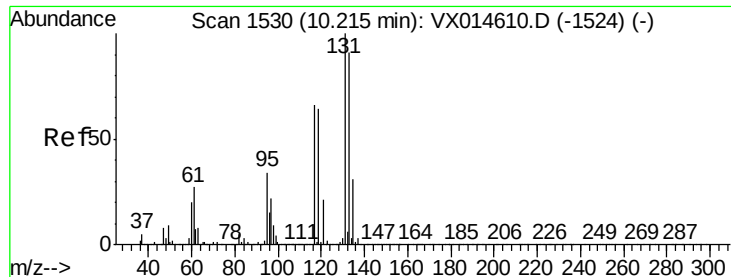
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#64
Chlorobenzene
Concen: 20.239 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ion	Ratio	Lower	Upper
112	100			
114	32.4	24.4	36.6	





#65

1,1,1,2-Tetrachloroethane

Concen: 20.160 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

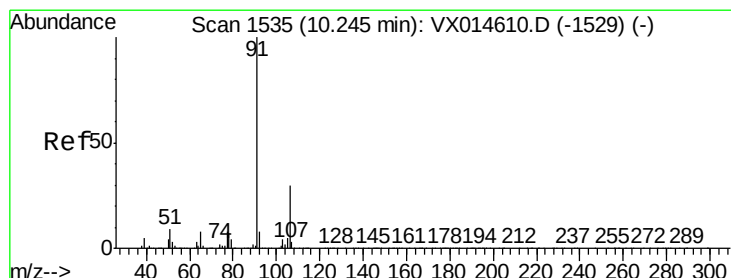
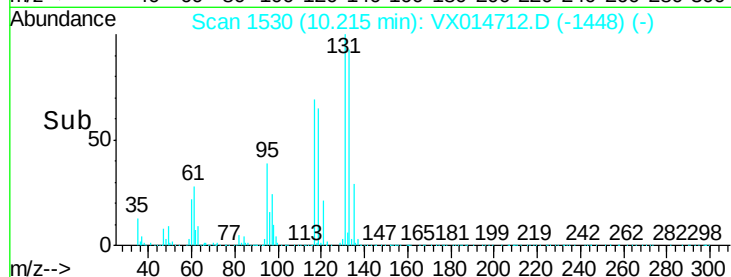
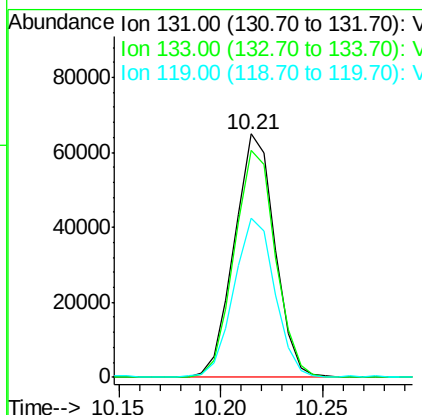
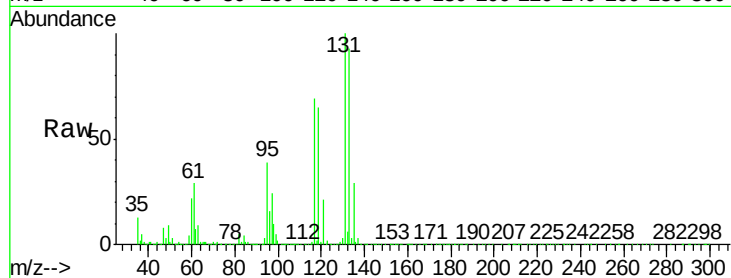
VSTDCCC020EC

Tot Ion:	131	Resp:	89439
Ion	Ratio	Lower	Upper
131	100		
133	94.4	0.0	189.8
119	66.3	0.0	132.2

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#66

Ethyl Benzene

Concen: 20.072 ug/l

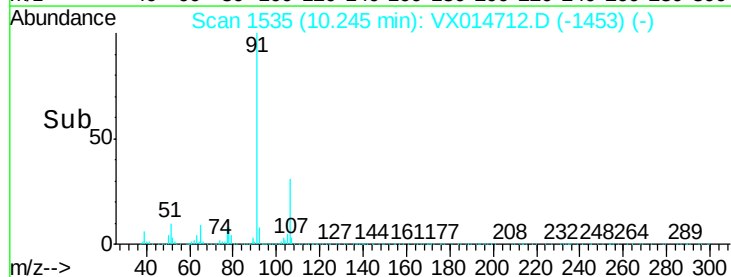
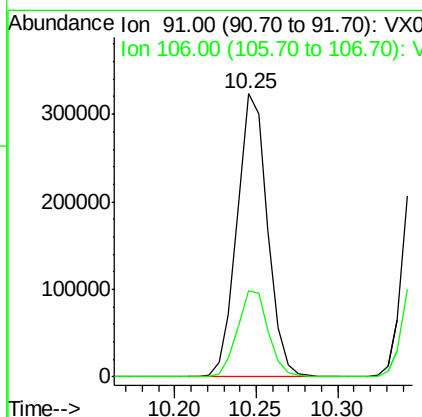
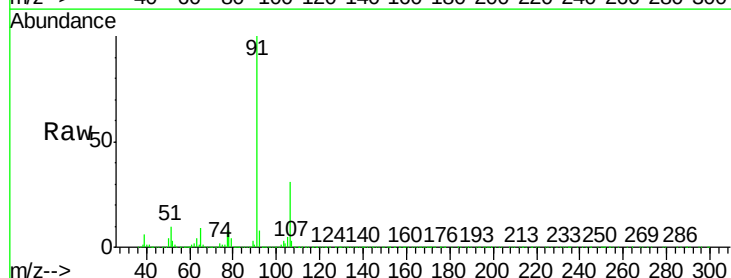
RT: 10.25 min Scan# 1535

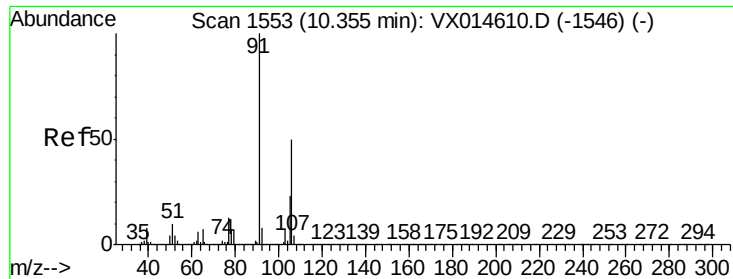
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	91	Resp:	420692
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.2





#67
m/p-Xylenes
Concen: 40.294 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

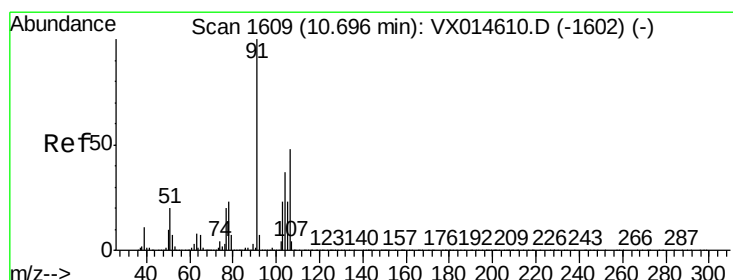
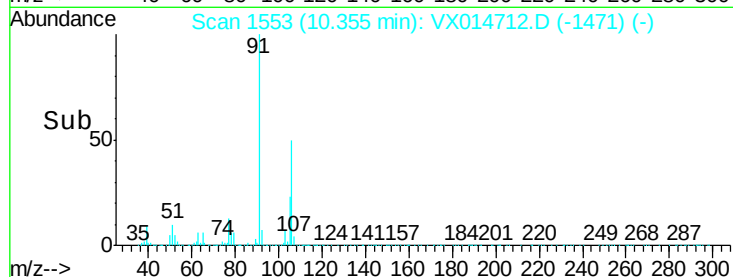
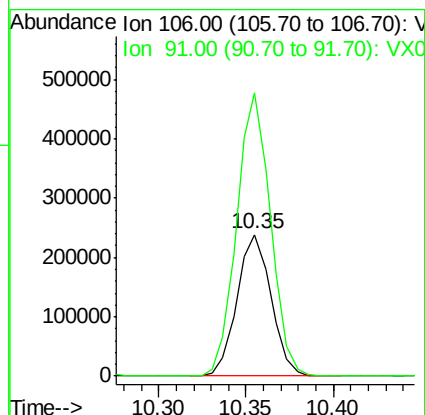
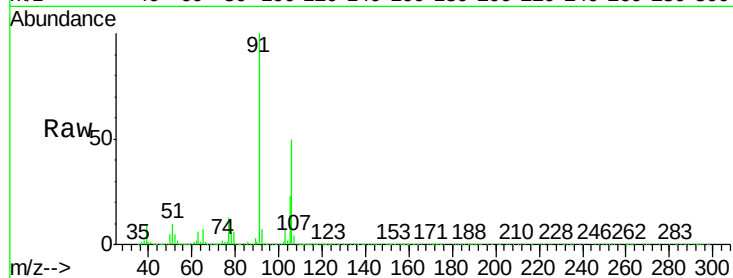
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.1	159.3	238.9

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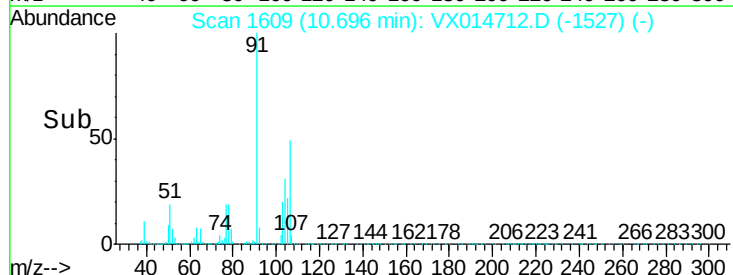
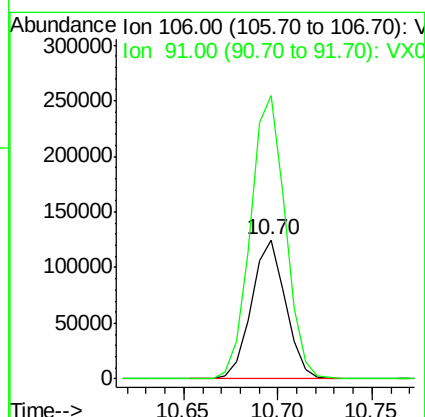
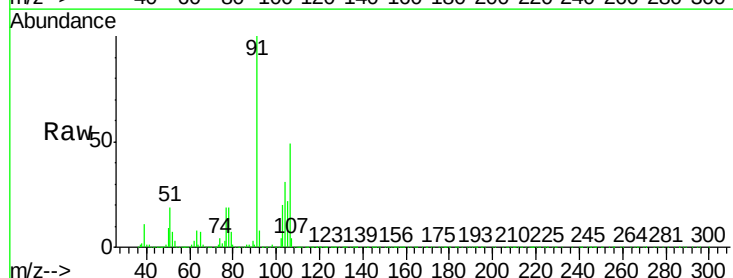
MMDadoda

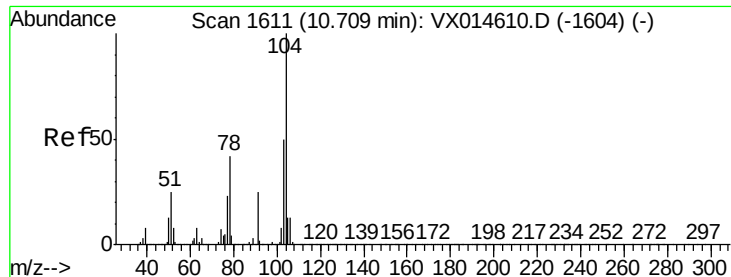
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#68
o-Xylene
Concen: 19.957 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.5	104.8	314.6





#69
Stvrene
Concen: 19.862 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

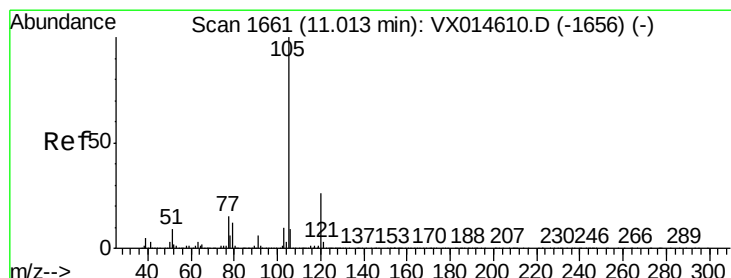
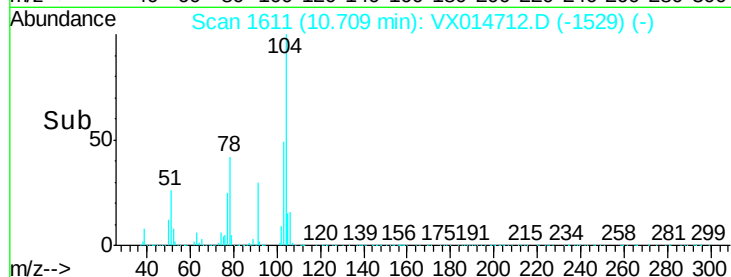
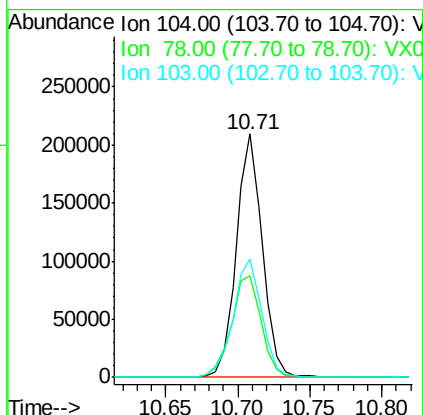
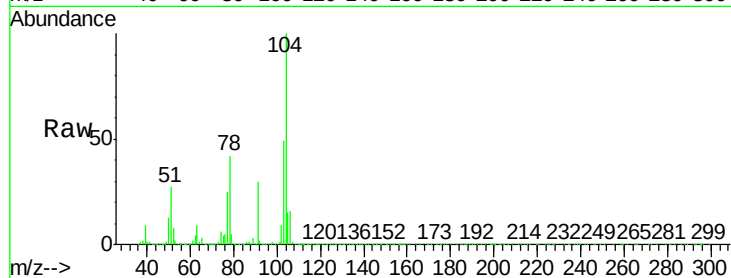
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	104	Resp:	263090
Ion Ratio	Lower	Upper	
104	100		
78	48.3	38.9	58.3
103	54.0	44.2	66.2

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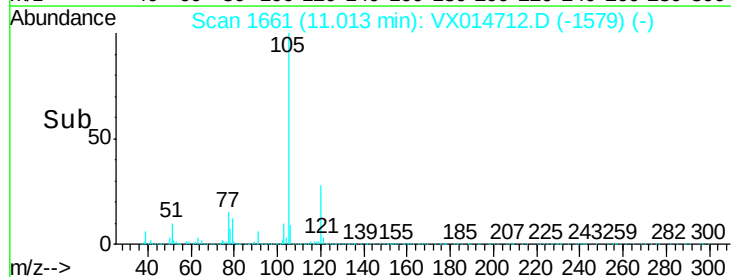
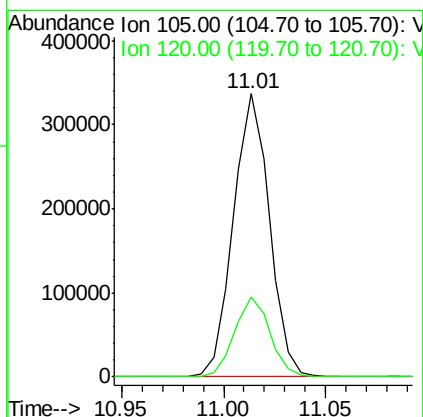
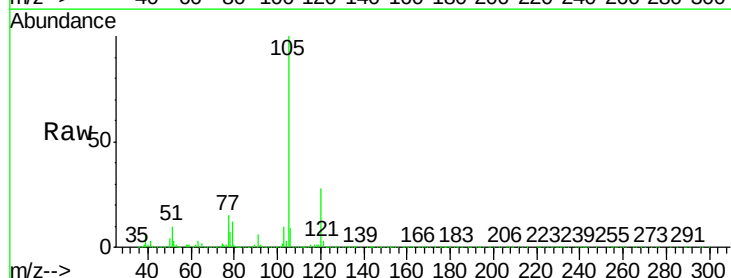
MMDadoda

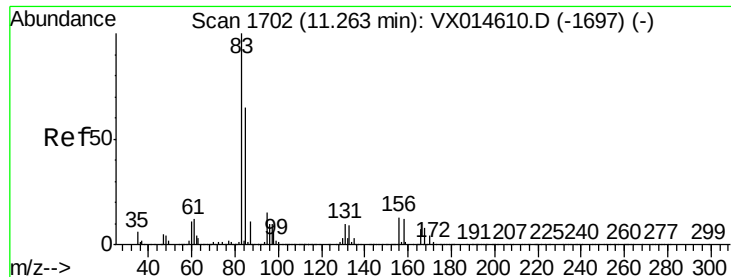
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#70
Isopropylbenzene
Concen: 20.055 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion:	105	Resp:	410730
Ion Ratio	Lower	Upper	
105	100		
120	27.6	19.1	35.5





#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.197 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

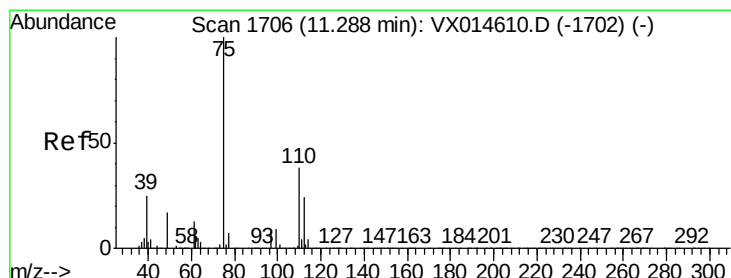
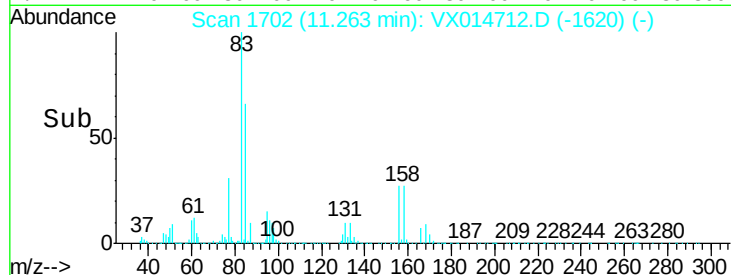
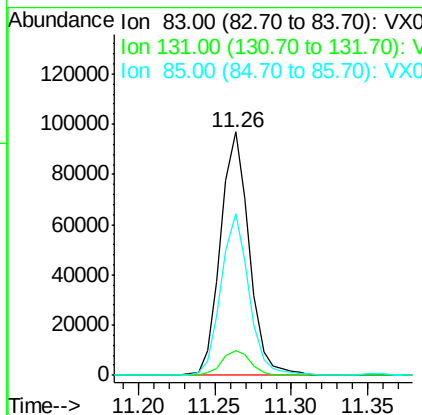
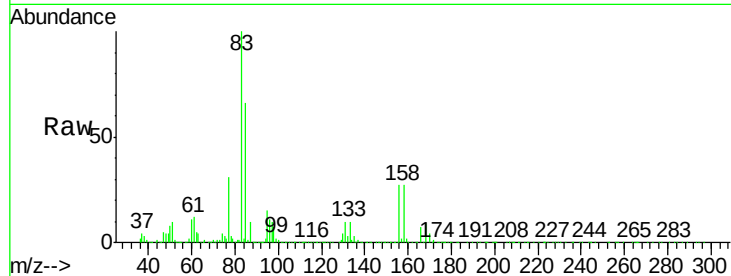
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	65.1	31.6	94.7

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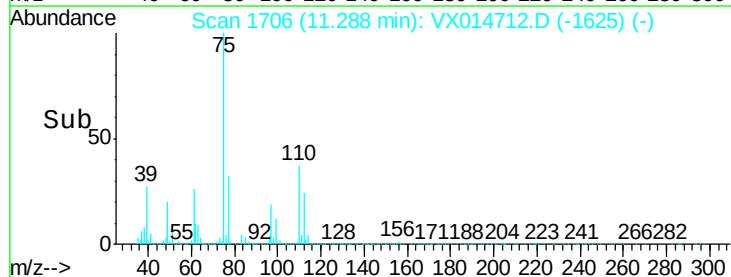
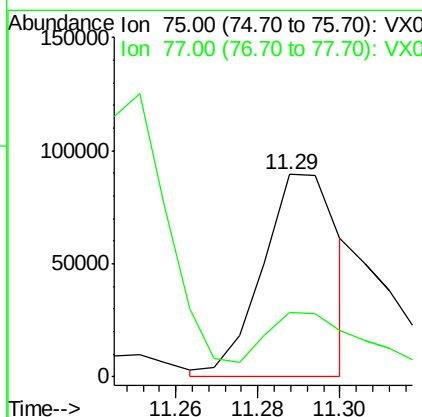
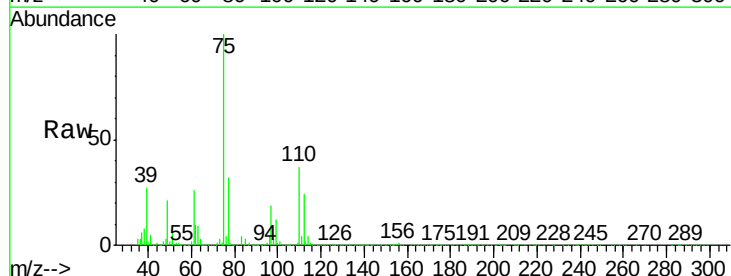
MMDadoda

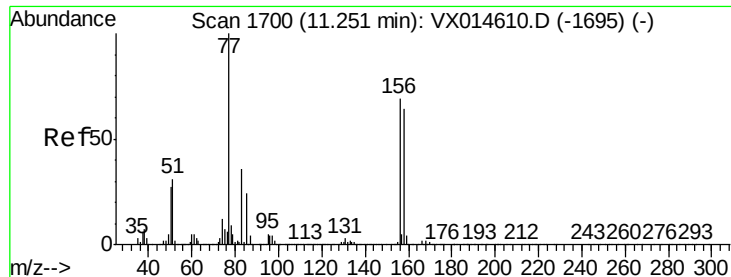
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#72
 1,2,3-Trichloropropane
 Concen: 19.364 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.0	0.0	68.4





#73

Bromobenzene

Concen: 19.983 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

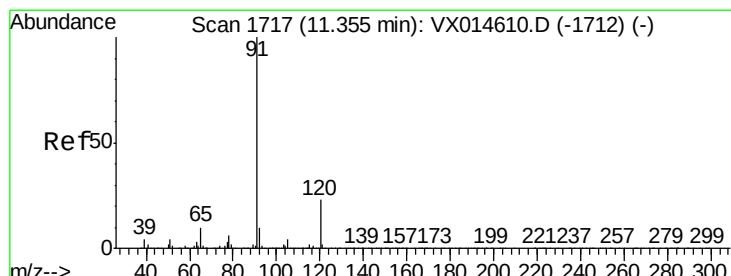
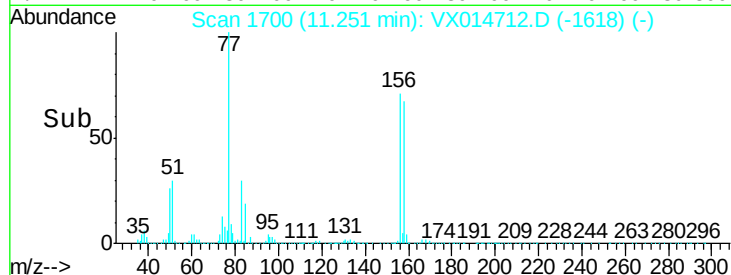
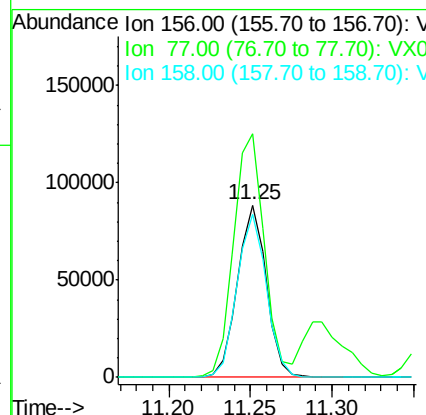
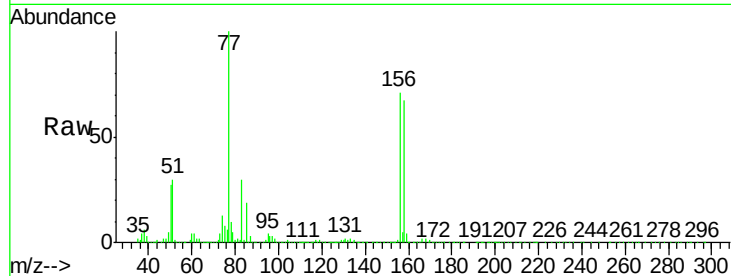
VSTDCCC020EC

Tot Ion:	156	Resp:	108488
Ion Ratio	Lower	Upper	
156	100		
77	151.2	0.0	304.6
158	97.1	0.0	195.2

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#74

n-propylbenzene

Concen: 19.884 ug/l

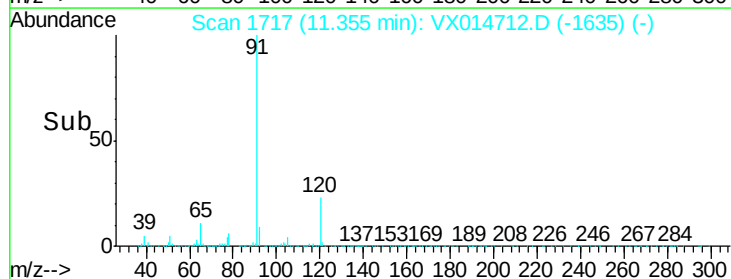
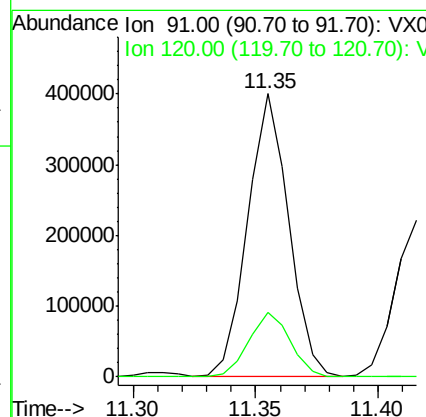
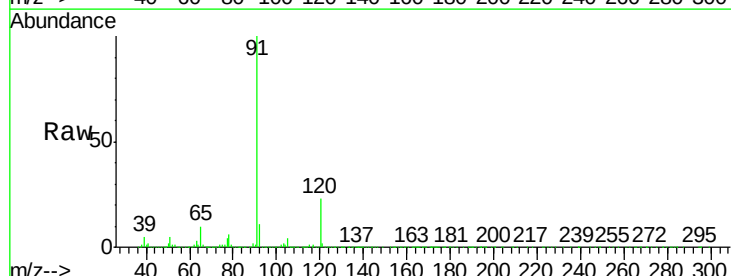
RT: 11.35 min Scan# 1717

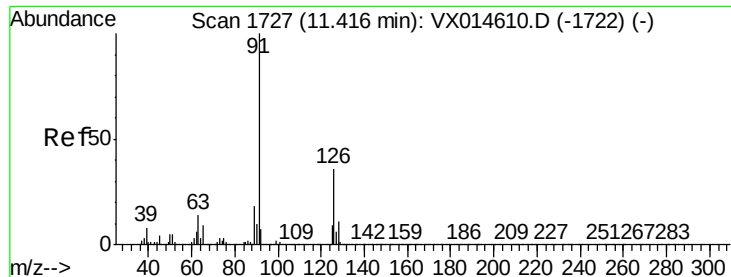
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	91	Resp:	465352
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.8





#75
2-Chlorotoluene
Concen: 19.949 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

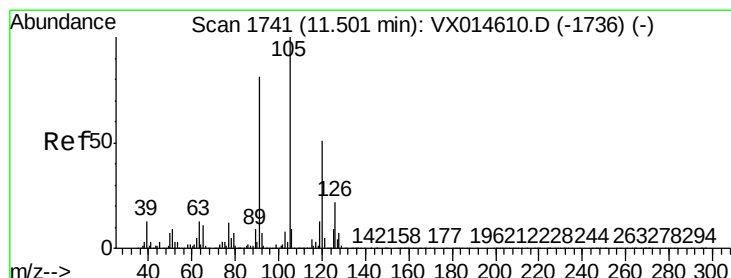
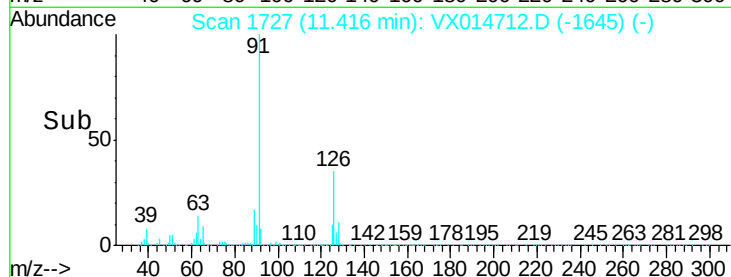
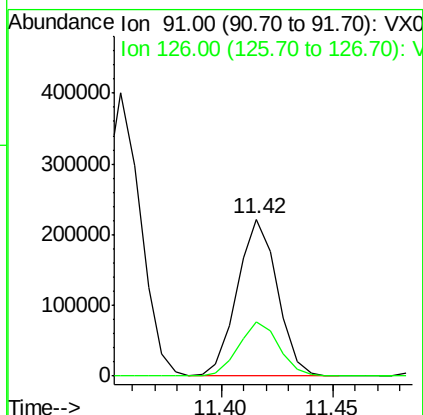
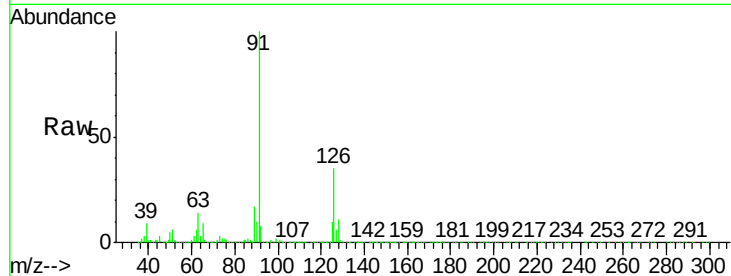
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 91 Resp: 279797
Ion Ratio Lower Upper
91 100
126 34.7 0.0 70.8

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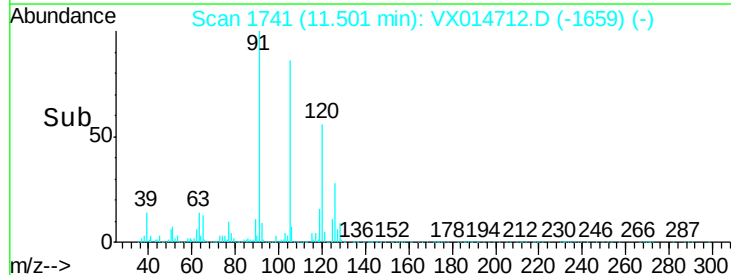
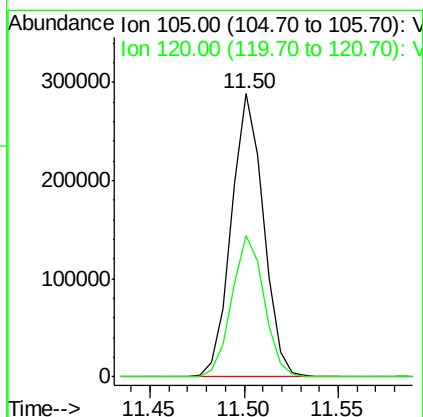
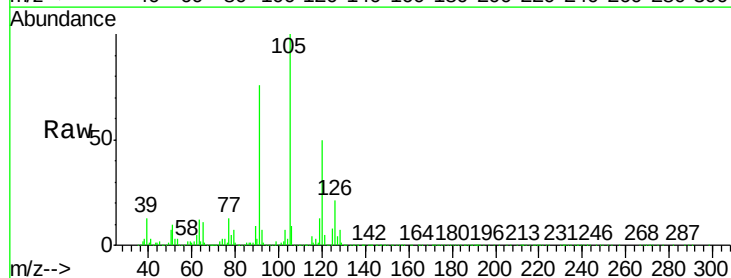
MMDadoda

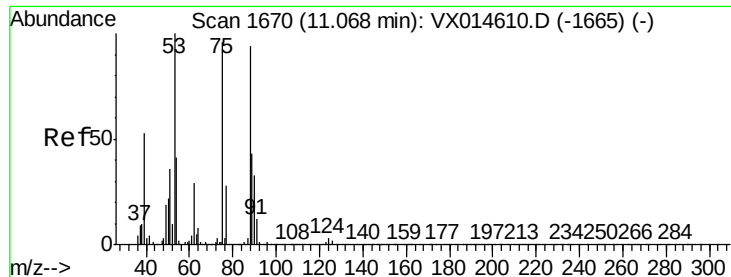
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#76
1,3,5-Trimethylbenzene
Concen: 19.911 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion: 105 Resp: 339802
Ion Ratio Lower Upper
105 100
120 50.1 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.025 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

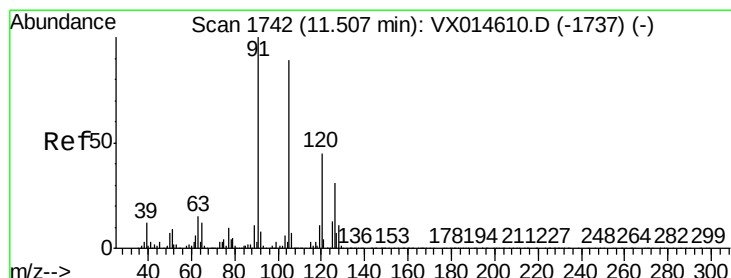
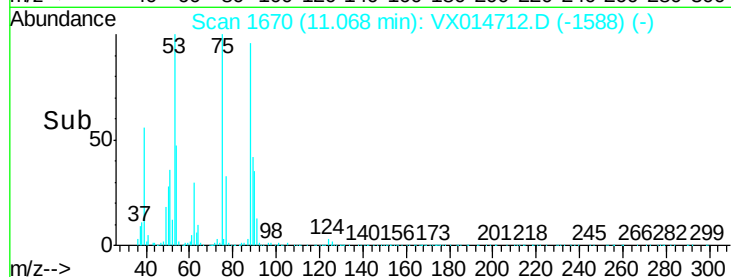
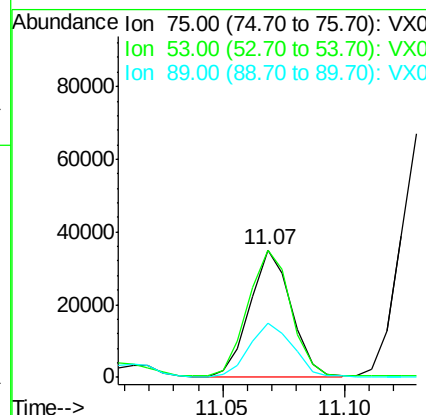
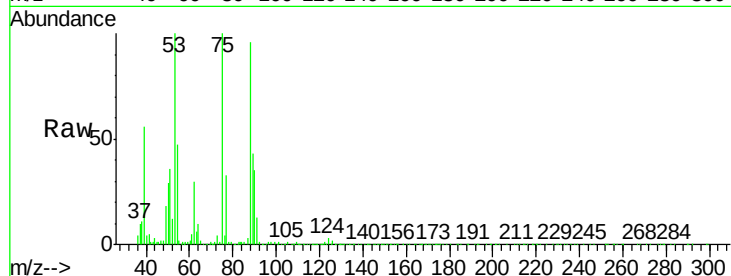
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.0	54.4	163.1
89	42.4	21.9	65.5

Manual Integrations
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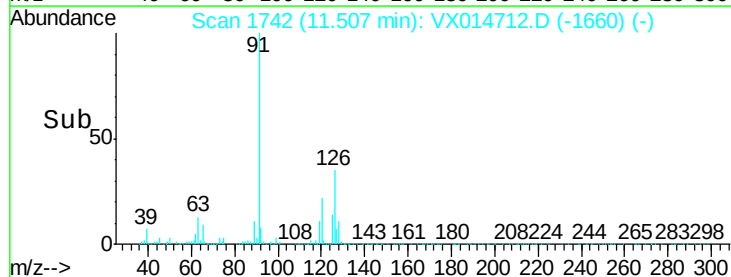
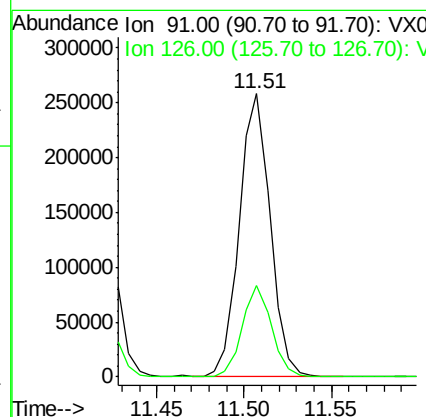
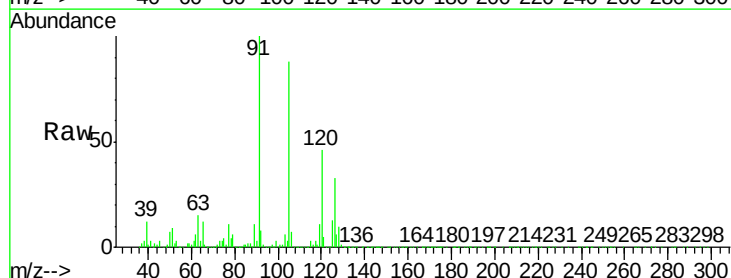
MMDadoda

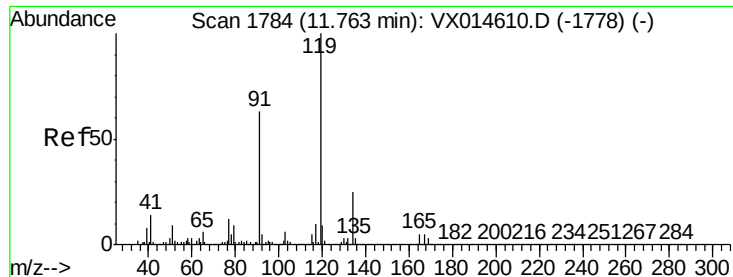
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#78
4-Chlorotoluene
Concen: 19.847 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	0.0	59.6





#79

tert-butylbenzene

Concen: 17.985 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

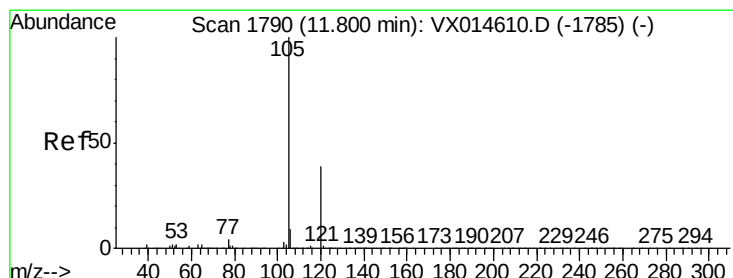
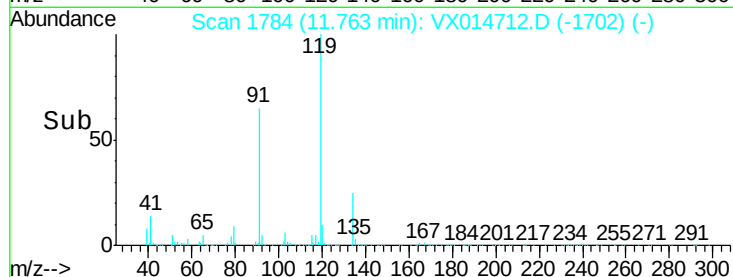
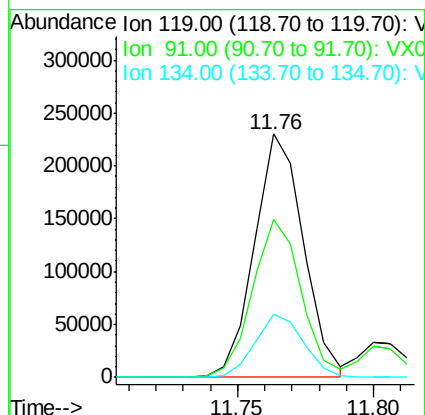
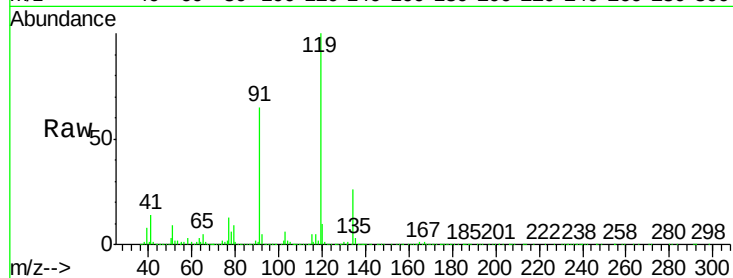
VSTDCCC020EC

Tot Ion:	119	Resp:	287192
Ion Ratio	Lower	Upper	
119	100		
91	64.2	0.0	112.6
134	25.7	0.0	49.8

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#80

1,2,4-Trimethylbenzene

Concen: 19.849 ug/l

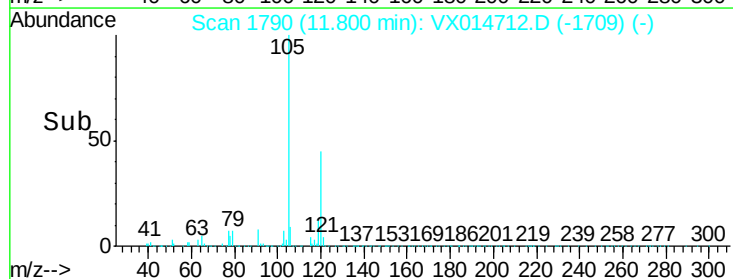
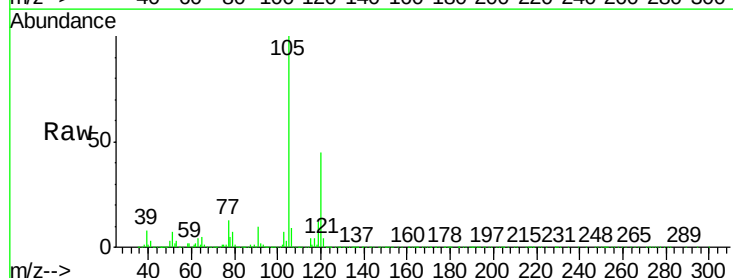
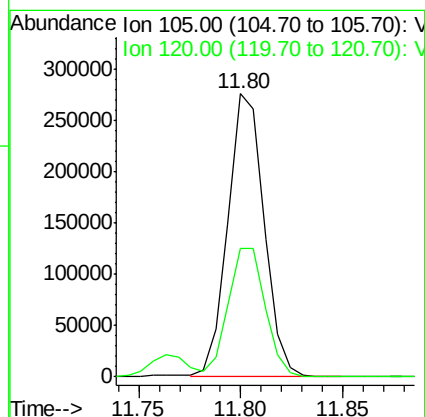
RT: 11.80 min Scan# 1790

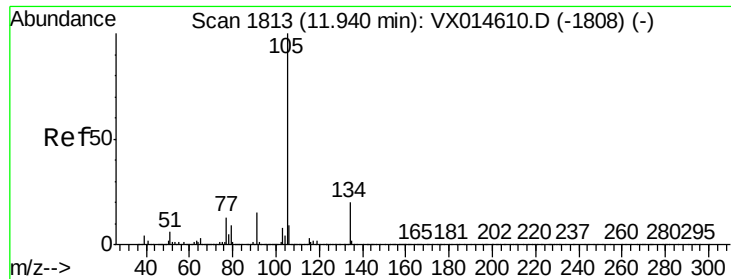
Delta R.T. -0.01 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	105	Resp:	337853
Ion Ratio	Lower	Upper	
105	100		
120	46.7	0.0	92.0





#81
 sec-Butylbenzene
 Concen: 19.708 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

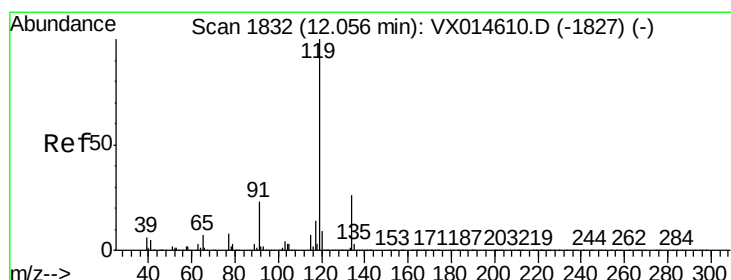
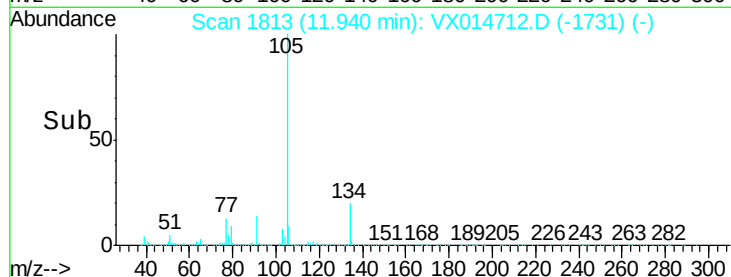
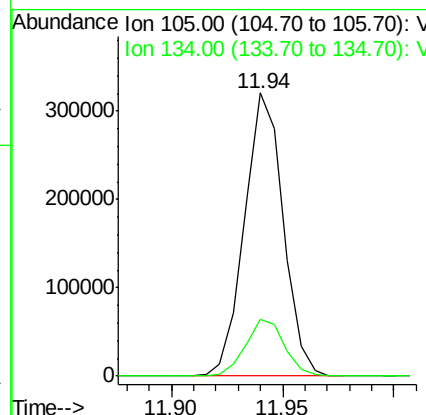
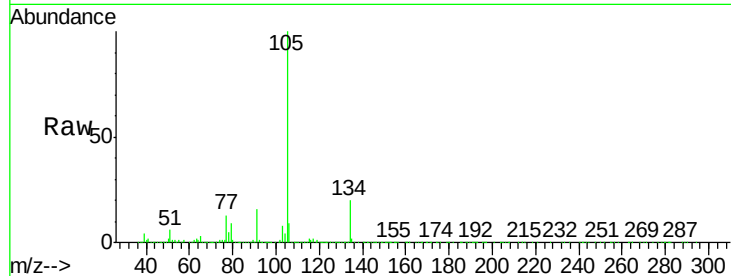
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.2

Manual Integrations
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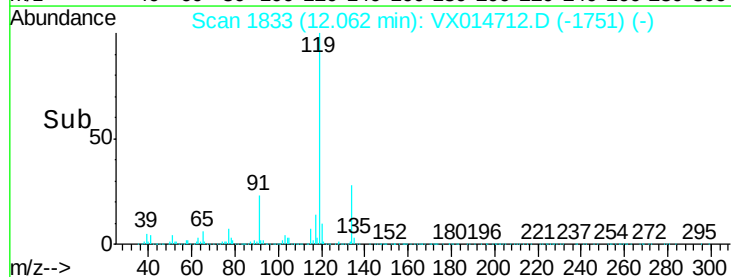
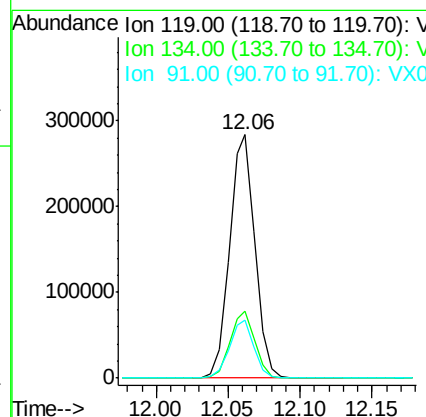
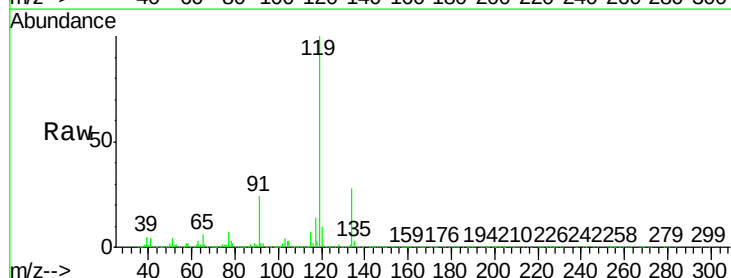
MMDadoda

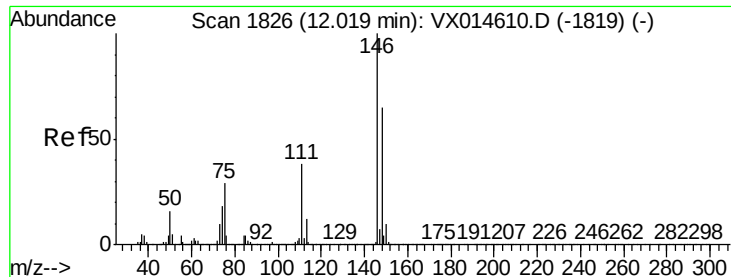
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#82
 p-Isopropyltoluene
 Concen: 19.454 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.8
91	22.8	0.0	45.0





#83
 1,3-Dichlorobenzene
 Concen: 19.879 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

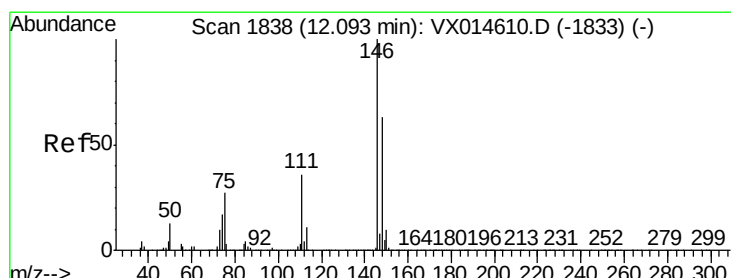
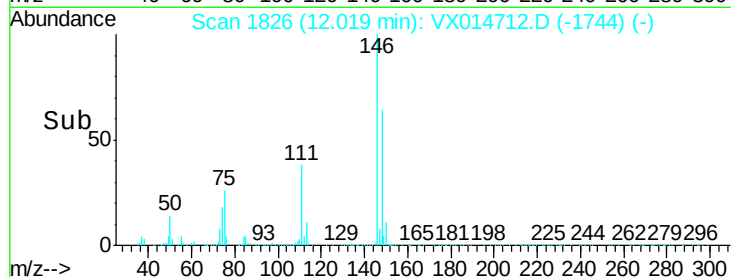
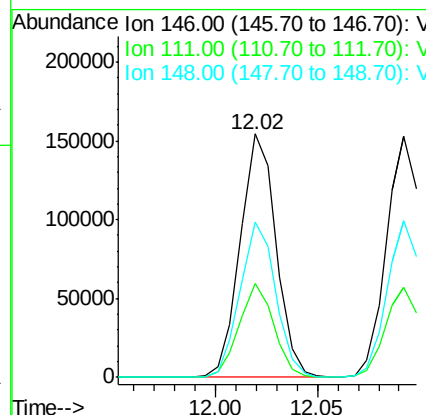
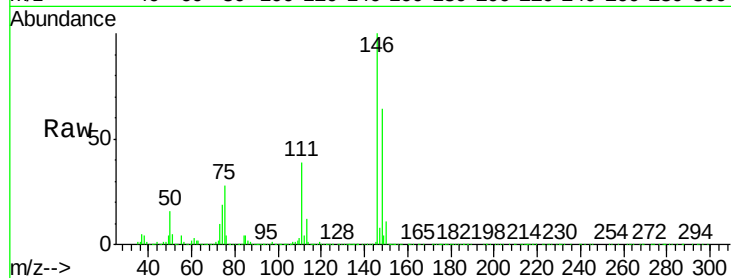
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	63.1	32.2	96.6

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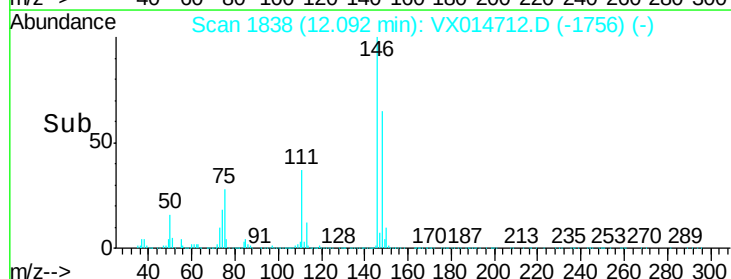
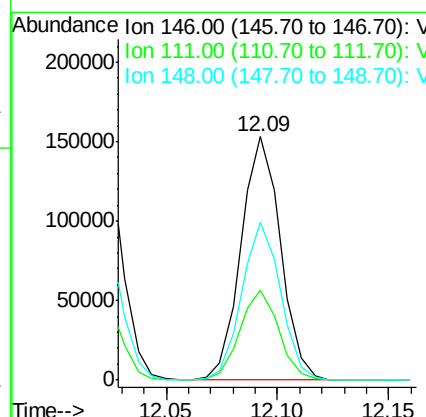
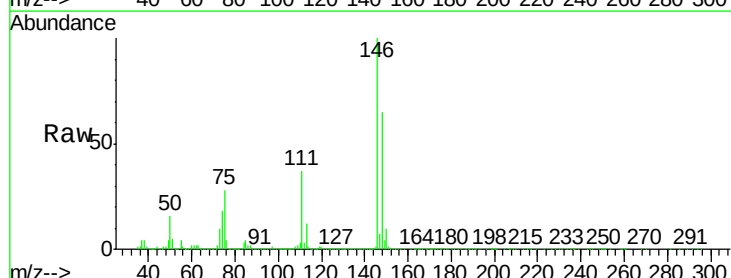
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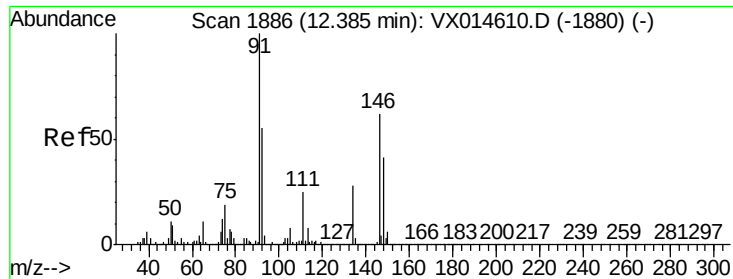
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#84
 1,4-Dichlorobenzene
 Concen: 20.160 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.4
148	63.8	32.0	96.0





#85

n-Butylbenzene

Concen: 18.590 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Instrument :

MSVOA_X

ClientSampleId :

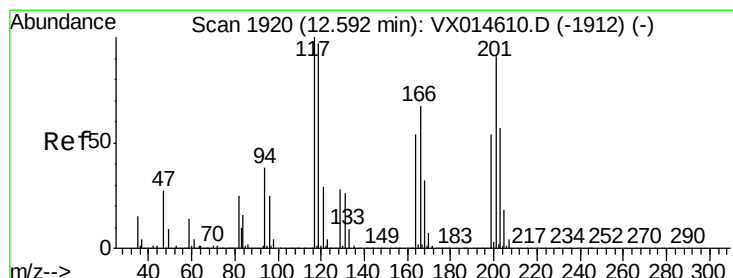
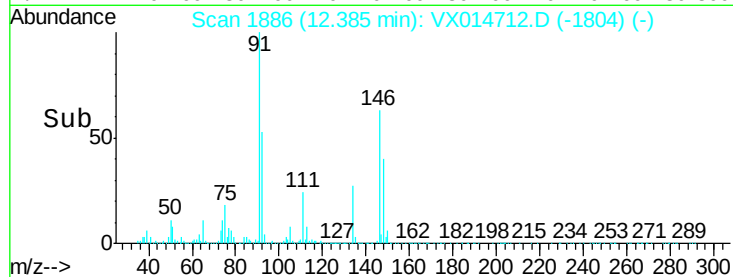
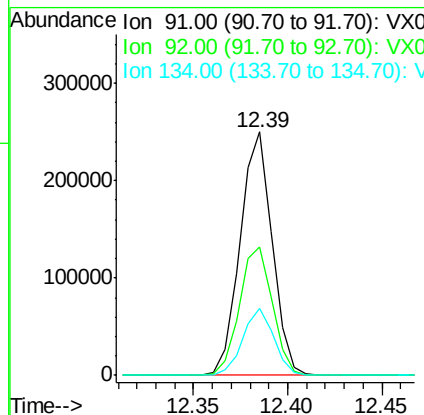
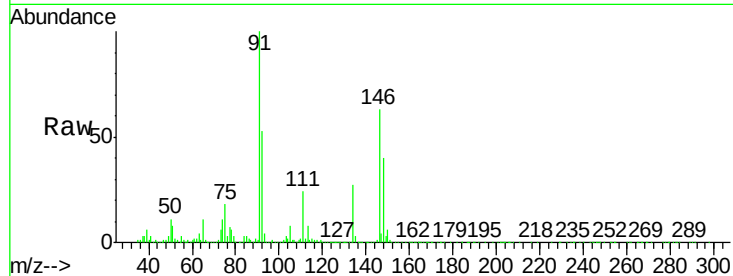
VSTDCCC020EC

Tot Ion:	91	Resp:	293407
Ion Ratio	Lower	Upper	
91	100		
92	54.3	0.0	109.0
134	26.9	0.0	54.0

Manual Integrations
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#86

Hexachloroethane

Concen: 19.179 ug/l

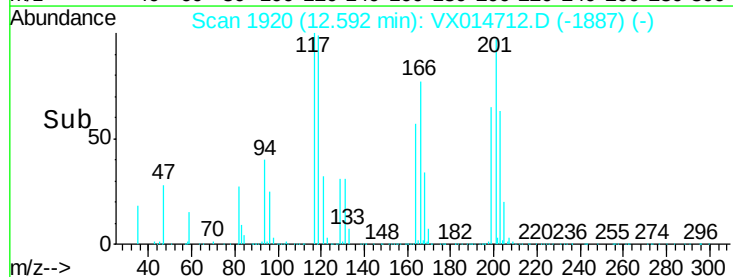
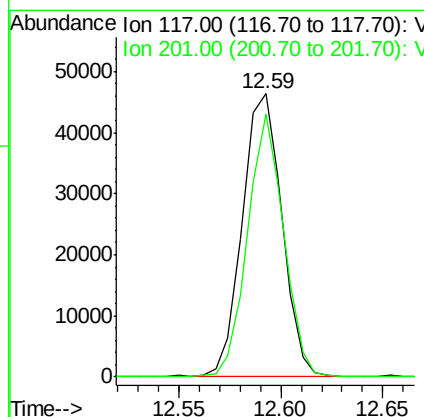
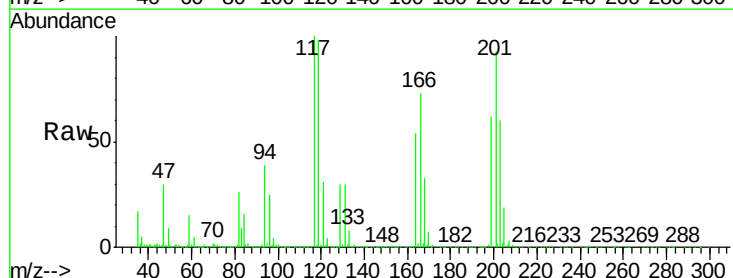
RT: 12.59 min Scan# 1920

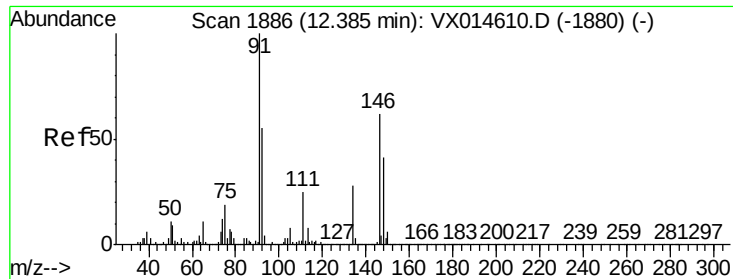
Delta R.T. 0.00 min

Lab File: VX014712.D

Acq: 24 Jan 2020 21:12

Tgt Ion:	117	Resp:	62037
Ion Ratio	Lower	Upper	
117	100		
201	85.5	44.8	134.3





#87
 1,2-Dichlorobenzene
 Concen: 19.981 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

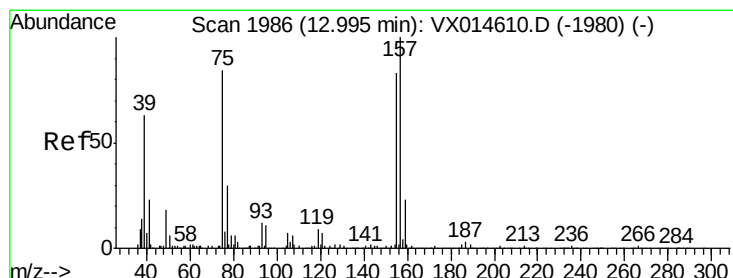
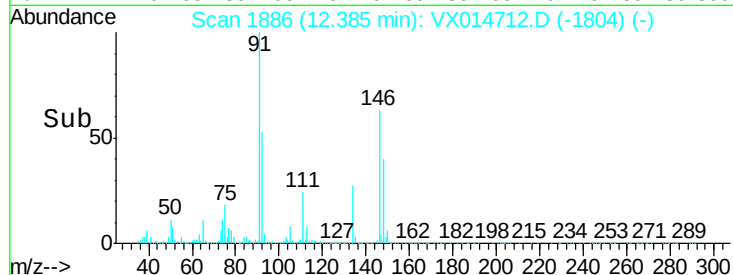
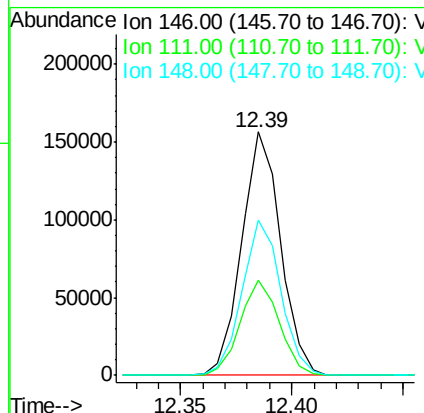
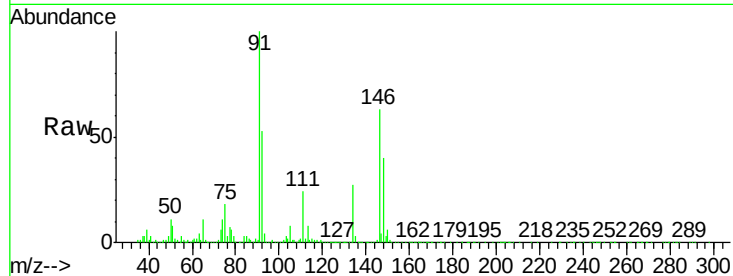
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	146	Resp:	191118
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.1	60.2
148	64.0	32.0	96.2

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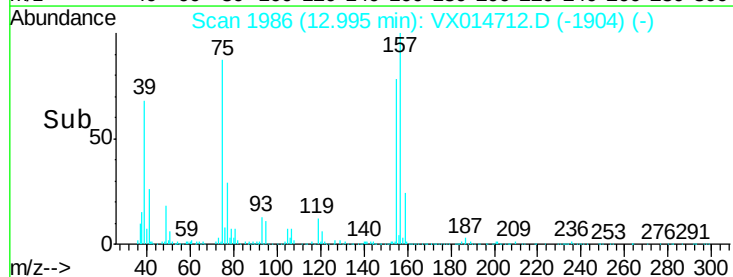
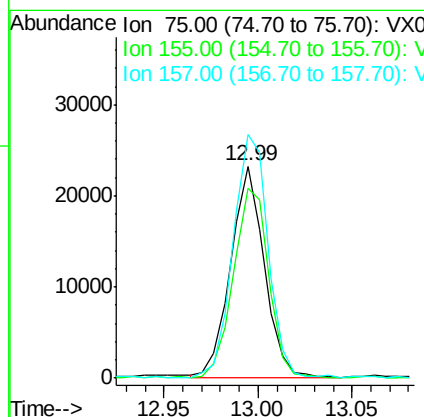
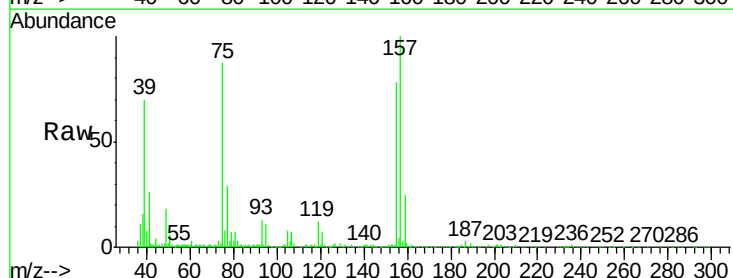
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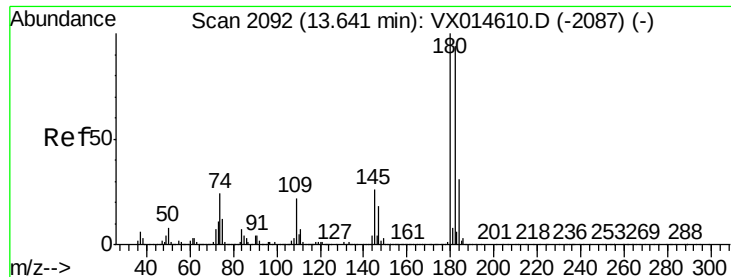
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.633 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion:	75	Resp:	28933
Ion Ratio	Lower	Upper	
75	100		
155	93.7	73.8	110.6
157	118.7	95.0	142.4





#89
 1,2,4-Trichlorobenzene
 Concen: 19.446 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

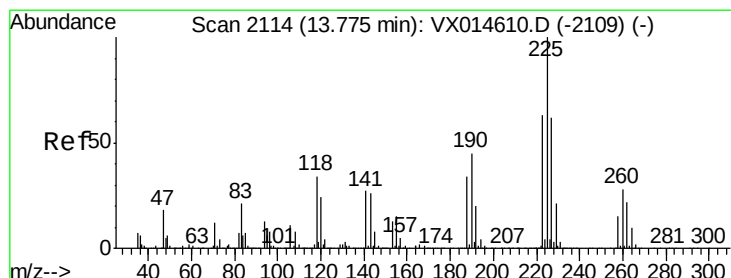
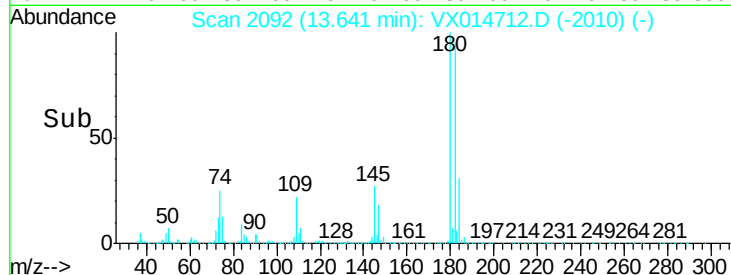
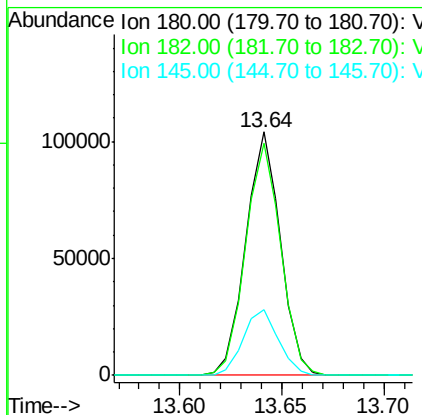
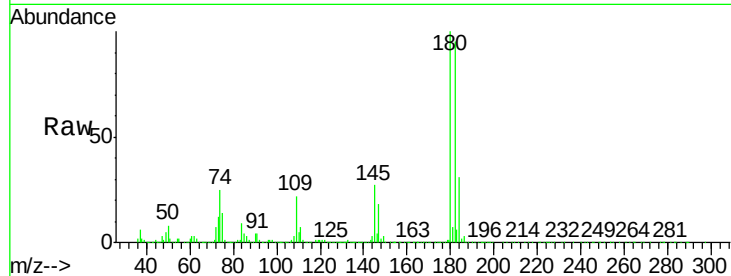
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	180	Resp:	122773
Ion Ratio	Lower	Upper	
180	100		
182	97.1	76.4	114.6
145	27.7	21.9	32.9

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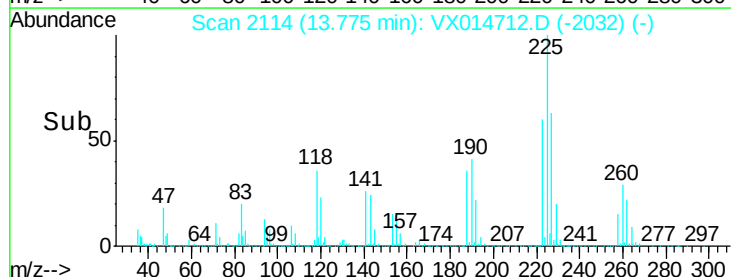
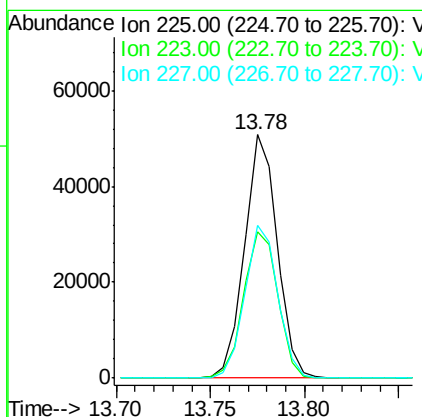
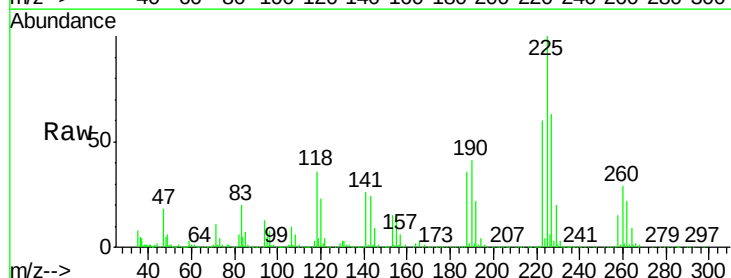
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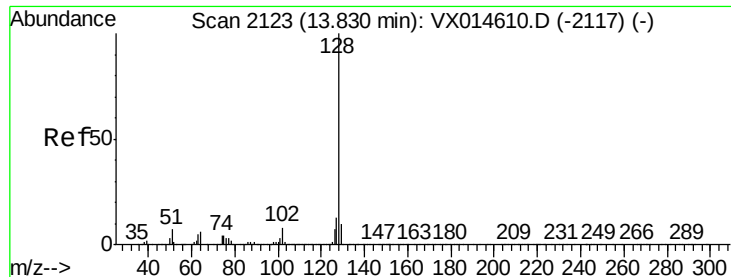
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#90
 Hexachlorobutadiene
 Concen: 19.406 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014712.D
 Acq: 24 Jan 2020 21:12

Tgt Ion:	225	Resp:	61220
Ion Ratio	Lower	Upper	
225	100		
223	63.0	0.0	127.4
227	63.1	0.0	122.8





#91
Naphthalene
Concen: 19.648 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

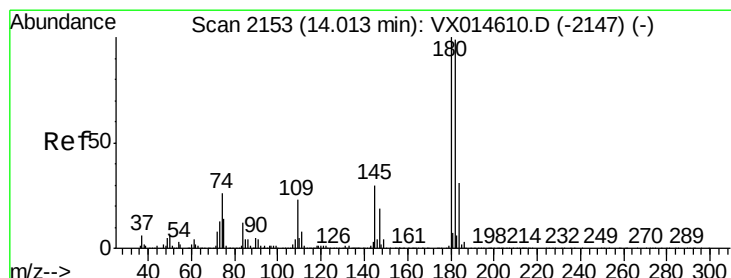
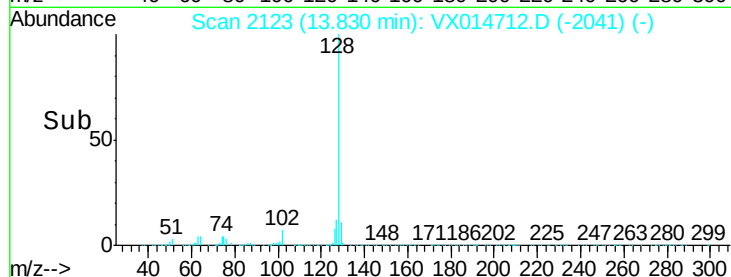
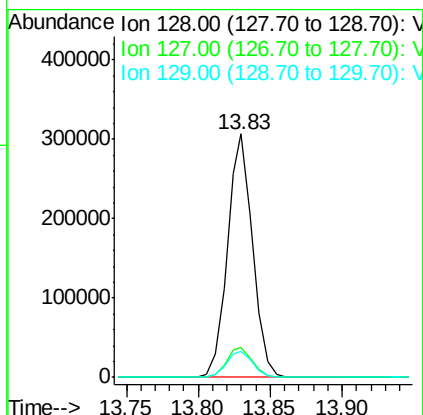
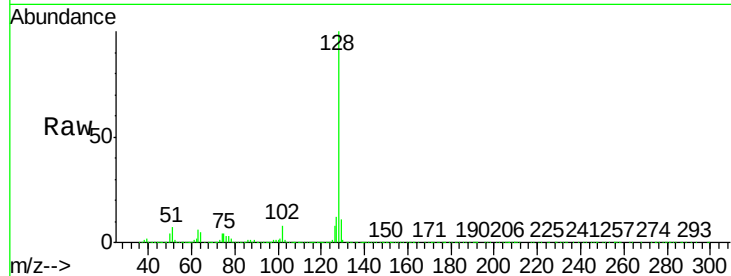
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 19.723 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014712.D
Acq: 24 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	192.8
145	29.8	0.0	60.0

