

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014641.D
 Acq On : 16 Jan 2020 16:54
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 11:24:00 AM

Quant Time: Jan 17 06:37:48 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	5.00	128	76085	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	423841	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	386325	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	163520	30.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.93%
60) 4-Bromofluorobenzene	11.13	95	185750	30.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.17%
63) Toluene-d8	8.71	98	529333	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	108211	20.580 ug/l	97
3) Chloromethane	1.32	50	114564	19.900 ug/l	96
4) Vinyl Chloride	1.40	62	129200	19.988 ug/l	99
5) Bromomethane	1.64	94	69087	17.128 ug/l	99
6) Chloroethane	1.72	64	69263	19.008 ug/l	98
7) Trichlorofluoromethane	1.93	101	137493	19.210 ug/l	99
8) Diethyl Ether	2.18	74	60380	19.314 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	85918	20.518 ug/l	99
10) 1,1-Dichloroethene	2.37	96	82533	19.595 ug/l	95
11) Methyl Iodide	2.50	142	104429	18.488 ug/l	98
12) Methyl Acetate	2.76	43	144246	18.958 ug/l	99
13) Acrolein	2.28	56	65442	81.884 ug/l	97
14) Acrylonitrile	3.12	53	237284	91.141 ug/l	99
15) Acetone	2.43	58	57165	65.496 ug/l	92
16) Carbon Disulfide	2.56	76	218501	18.889 ug/l	99
17) Allyl chloride	2.72	41	143902	18.461 ug/l	98
18) Methylene Chloride	2.85	84	132886	26.958 ug/l	96
19) trans-1,2-Dichloroethene	3.15	96	88848	19.595 ug/l	95
20) Diisopropyl ether	3.84	45	300892	19.510 ug/l	97
21) 1,1-Dichloroethane	3.69	63	159164	18.997 ug/l	100
22) cis-1,2-Dichloroethene	4.58	96	100591	19.306 ug/l	97
23) tert-Butyl Alcohol	3.02	59	94051	87.351 ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	271633	19.379 ug/l	97
25) Chloroform	5.20	83	155830	19.200 ug/l	97
26) Cyclohexane	5.57	56	150968	19.535 ug/l	98
29) 1,1-Dichloropropene	5.79	75	119648	19.248 ug/l	99
30) 2-Butanone	4.65	43	320586	81.417 ug/l	100
31) 2,2-Dichloropropane	4.57	77	127516	19.172 ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	130990	19.048 ug/l	99
33) Carbon Tetrachloride	5.78	117	114535	19.400 ug/l	97
34) Benzene	6.13	78	371444	19.338 ug/l	99
35) Methacrylonitrile	5.02	41	71461	18.172 ug/l	93
36) 1,2-Dichloroethane	6.18	62	126185	18.877 ug/l	98
37) Trichloroethene	7.20	130	102862	19.558 ug/l	95
38) Methylcyclohexane	7.45	83	149968	19.377 ug/l	99
39) 1,2-Dichloropropane	7.50	63	94585	18.937 ug/l	90
40) Dibromomethane	7.65	93	60537	18.859 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	114409	18.201	ug/l	99
42) Vinyl Acetate	3.80	43	1145820	94.412	ug/l	99
43) Ethyl Acetate	4.81	43	127437	17.878	ug/l	100
44) Isopropyl Acetate	6.43	43	210602	18.315	ug/l	100
45) 1,4-Dioxane	7.73	88	41216	358.326	ug/l	97
46) Methyl methacrylate	7.76	41	102540	18.133	ug/l	98
47) n-amyl Acetate	10.89	43	175451	18.210	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	127500	18.578	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	142552	18.434	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	92648	18.968	ug/l	97
51) Ethyl methacrylate	9.17	69	140975	18.536	ug/l	97
52) 1,3-Dichloropropane	9.36	76	157631	19.047	ug/l	99
53) Dibromochloromethane	9.57	129	91968	18.408	ug/l	99
54) 1,2-Dibromoethane	9.67	107	95682	18.888	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	327743	93.768	ug/l	99
56) Bromoform	10.85	173	68773	17.871	ug/l	97
58) 4-Methyl-2-Pentanone	8.63	43	656456	90.233	ug/l	99
59) 2-Hexanone	9.48	43	496182	88.187	ug/l	99
61) Tetrachloroethene	9.33	164	110263	19.310	ug/l	98
62) Toluene	8.78	91	396188	19.330	ug/l	99
64) Chlorobenzene	10.13	112	243922	19.064	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	89459	18.930	ug/l	98
66) Ethyl Benzene	10.25	91	431040	19.308	ug/l	97
67) m/p-Xylenes	10.35	106	330400	38.637	ug/l	99
68) o-Xylene	10.69	106	157852	18.956	ug/l	98
69) Styrene	10.71	104	268759	19.049	ug/l	99
70) Isopropylbenzene	11.01	105	427618	19.602	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	133126	18.116	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	115278m	18.340	ug/l	
73) Bromobenzene	11.25	156	110074	19.034	ug/l	99
74) n-propylbenzene	11.35	91	491078	19.700	ug/l	99
75) 2-Chlorotoluene	11.42	91	285239	19.092	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	354642	19.510	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	41405	17.115	ug/l	95
78) 4-Chlorotoluene	11.51	91	328364	19.353	ug/l	98
79) tert-butylbenzene	11.76	119	327397	19.249	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	349706	19.288	ug/l	99
81) sec-Butylbenzene	11.94	105	415522	19.743	ug/l	99
82) p-Isopropyltoluene	12.06	119	375919	19.565	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	193609	19.174	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	197040	19.683	ug/l	99
85) n-Butylbenzene	12.38	91	328288	19.528	ug/l	100
86) Hexachloroethane	12.59	117	61973	17.987	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	192220	18.867	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27477	17.504	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	130410	19.392	ug/l	98
90) Hexachlorobutadiene	13.77	225	65408	19.465	ug/l	97
91) Naphthalene	13.83	128	385133	18.972	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	134437	19.640	ug/l	98

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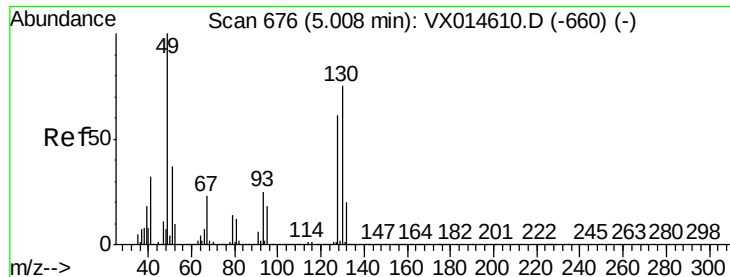
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

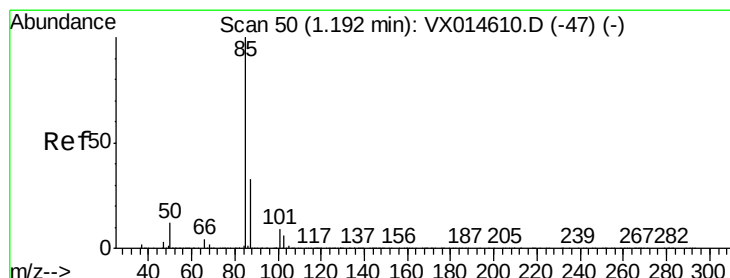
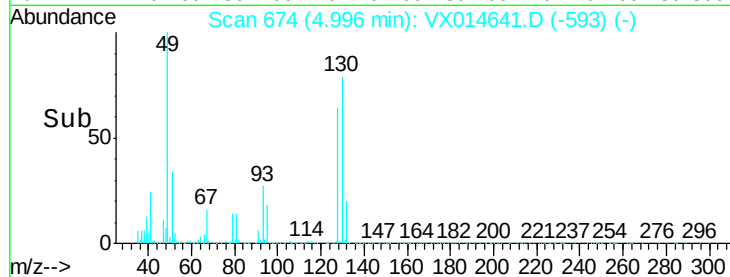
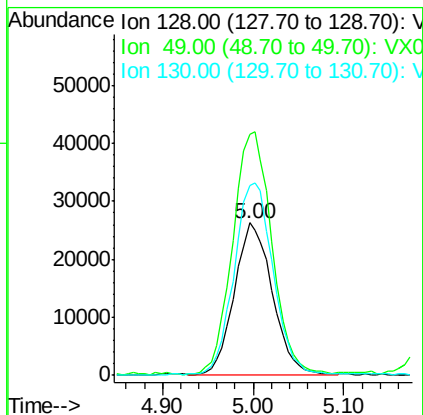
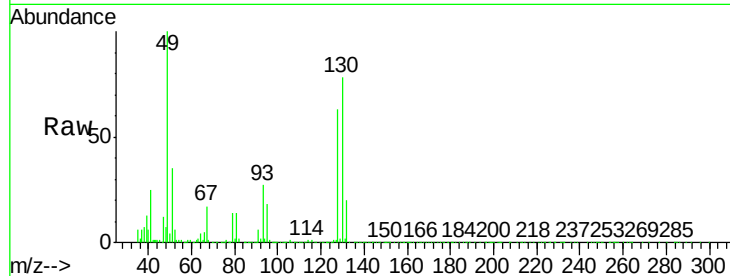
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	76085
Ion	Ratio	Lower	Upper
128	100		
49	165.0	0.0	405.0
130	130.2	0.0	321.5

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#2

Dichlorodifluoromethane

Concen: 20.580 ug/l

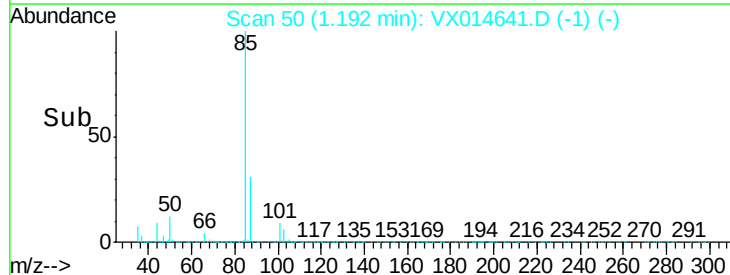
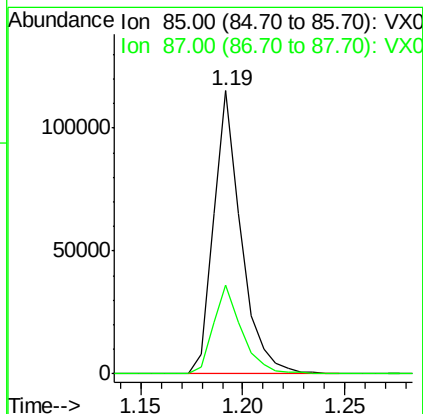
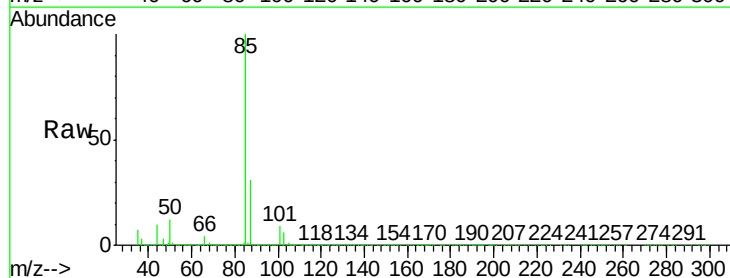
RT: 1.19 min Scan# 50

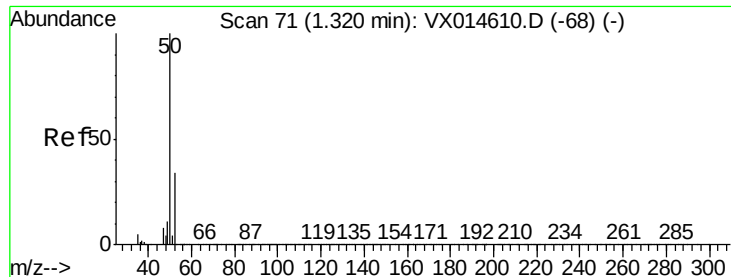
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	85	Resp:	108211
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.3	48.9





#3

Chloromethane

Concen: 19.900 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 114564

Ion Ratio Lower Upper

50 100

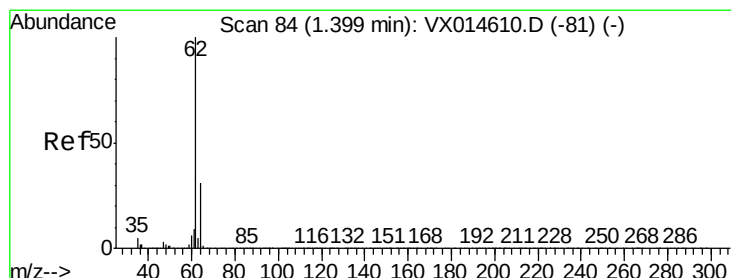
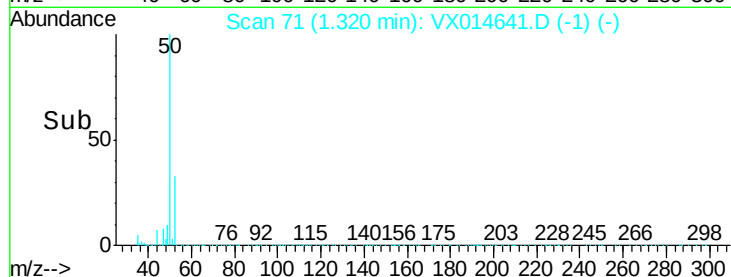
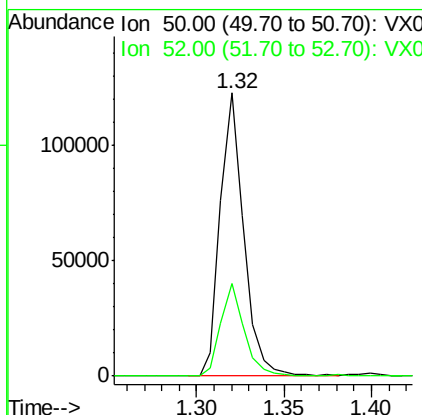
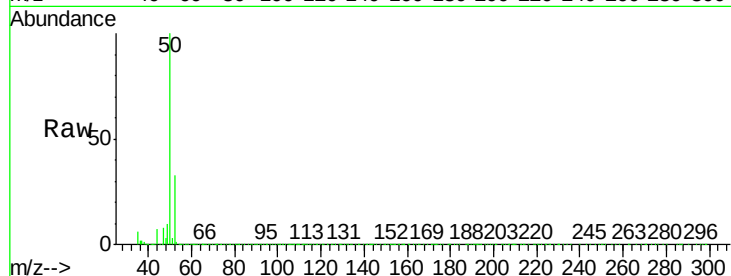
52 32.8 24.3 36.5

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#4

Vinyl Chloride

Concen: 19.988 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014641.D

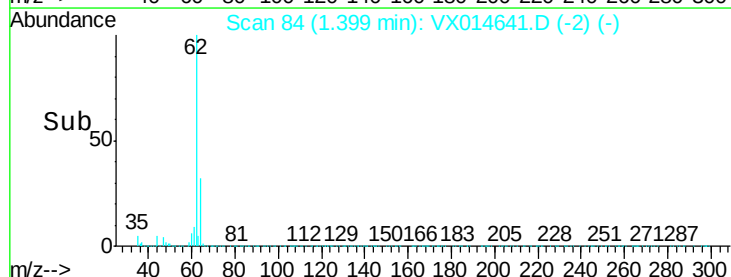
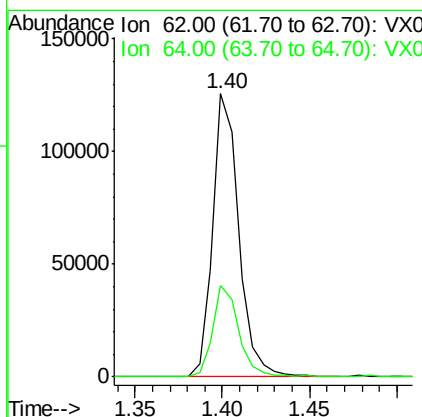
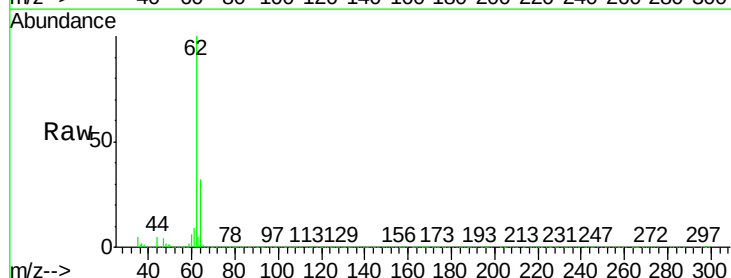
Acq: 16 Jan 2020 16:54

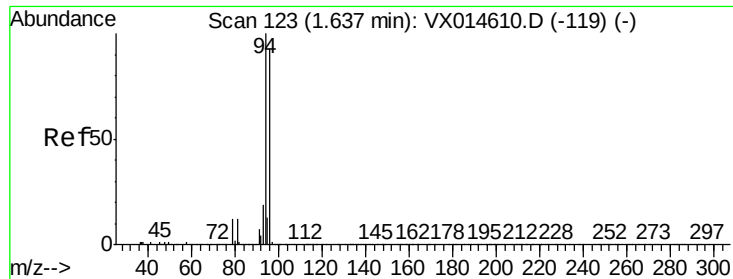
Tgt Ion: 62 Resp: 129200

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 17.128 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 69087

Ion Ratio Lower Upper

94 100

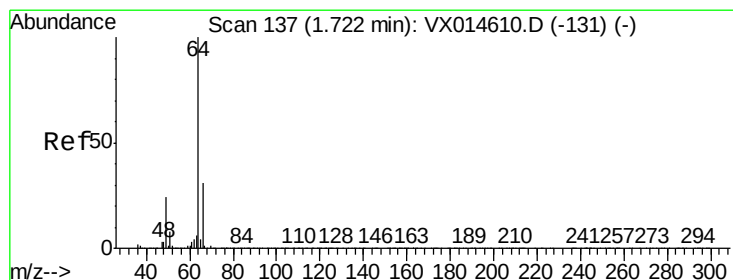
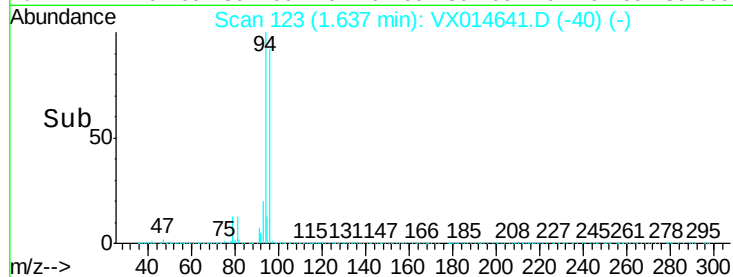
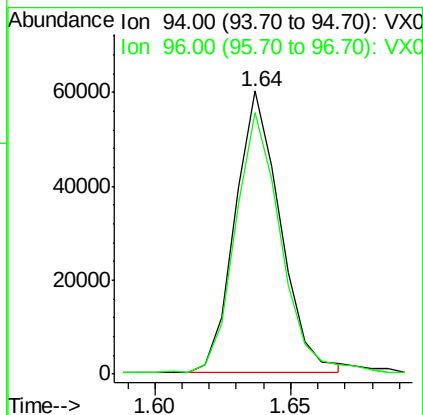
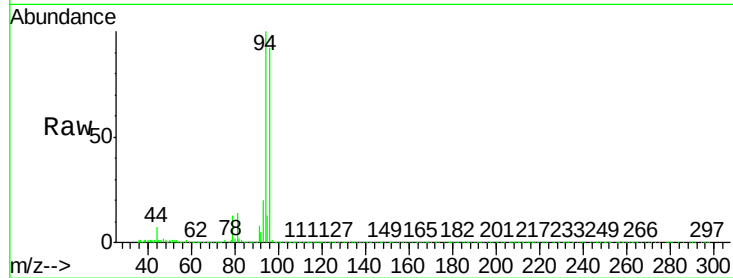
96 92.3 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 19.008 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014641.D

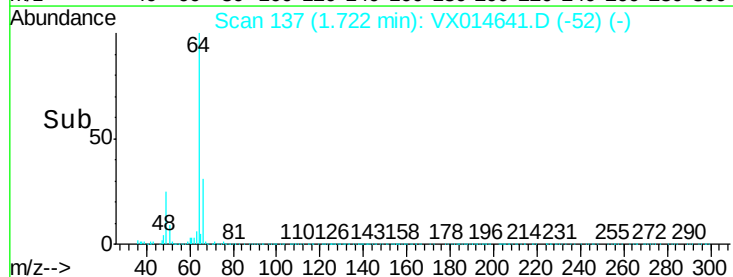
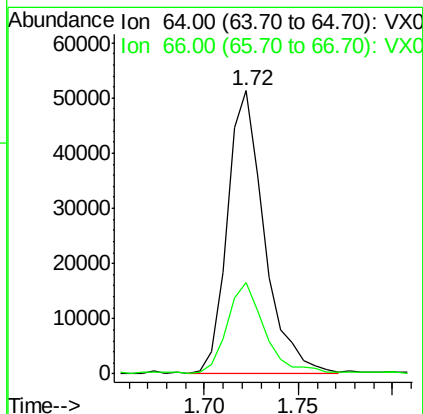
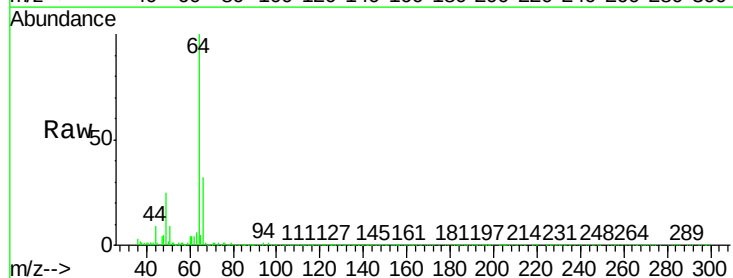
Acq: 16 Jan 2020 16:54

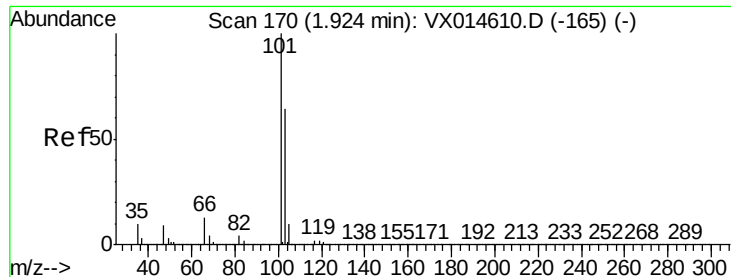
Tgt Ion: 64 Resp: 69263

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8





#7

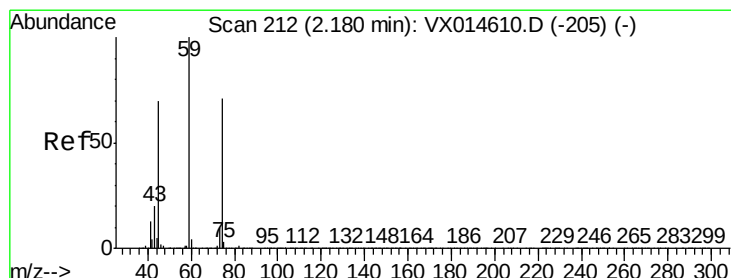
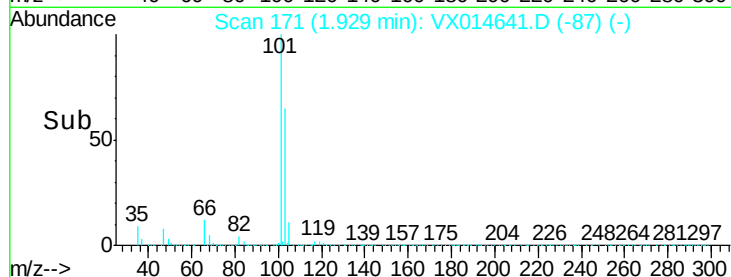
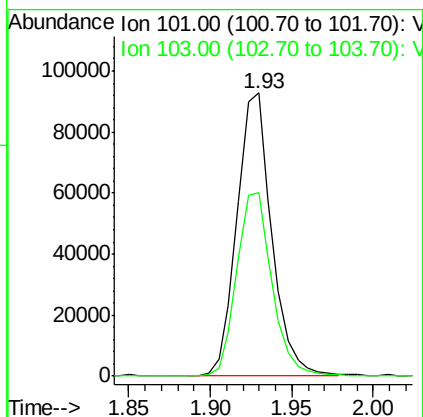
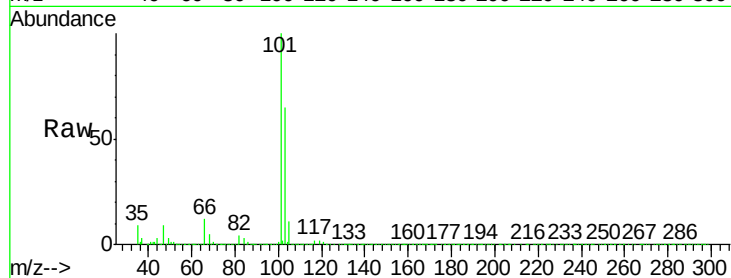
Trichlorofluoromethane
Concen: 19.210 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.6	77.4

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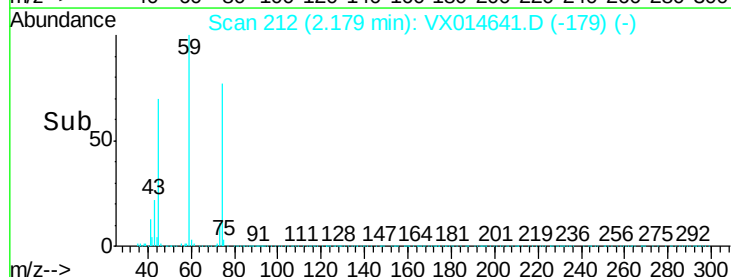
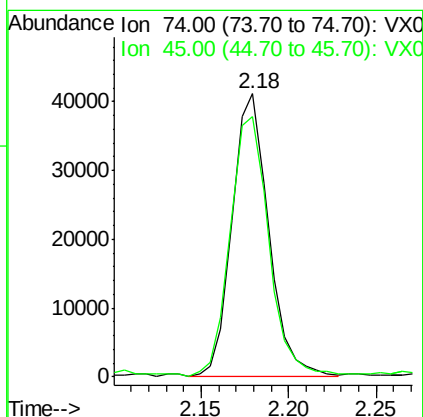
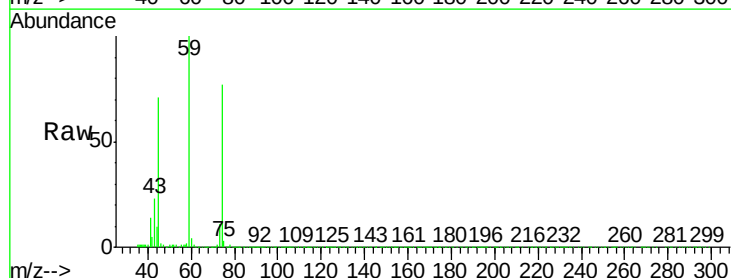
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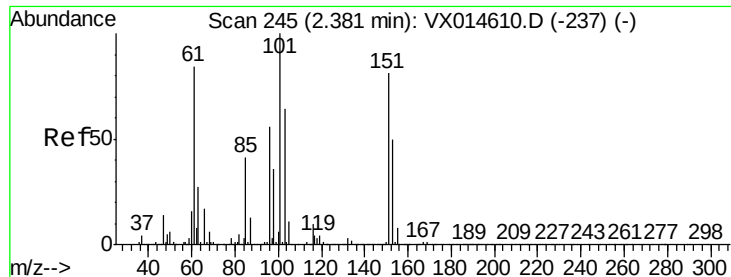


#8

Diethyl Ether
Concen: 19.314 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.518 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

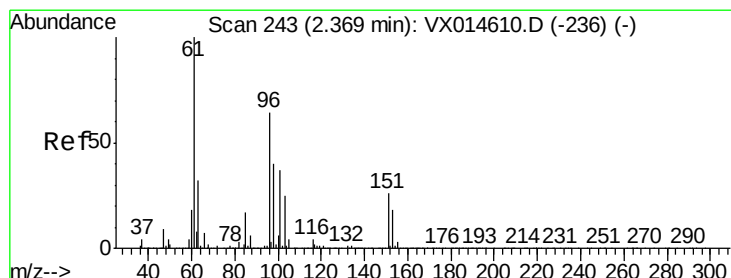
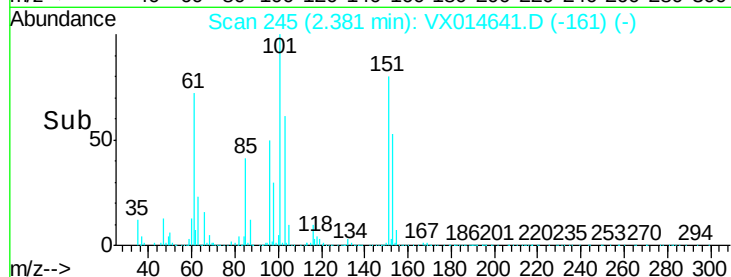
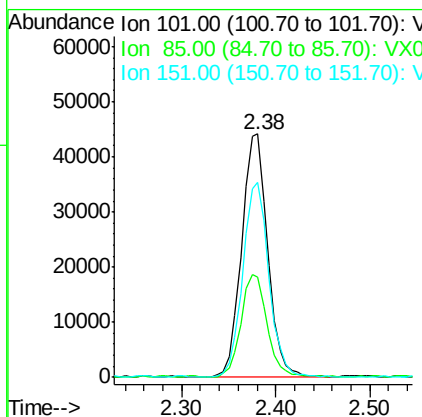
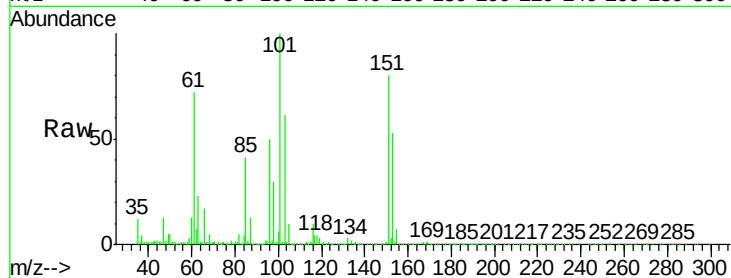
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	85918
Ion Ratio	Lower	Upper	
101	100		
85	41.2	0.0	85.6
151	79.6	0.0	159.4

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1/17/2020 11:24:00 AM



#10

1,1-Dichloroethene

Concen: 19.595 ug/l

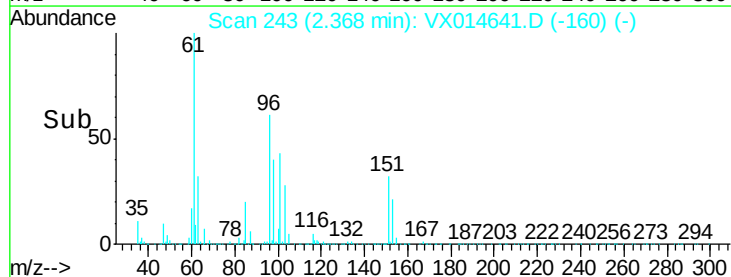
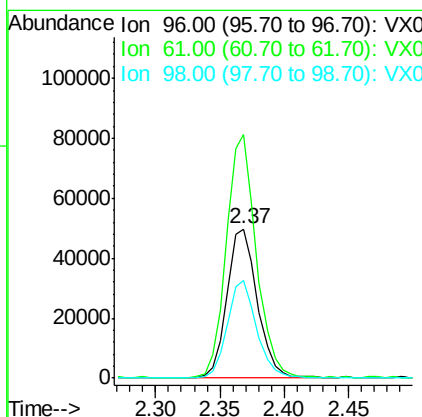
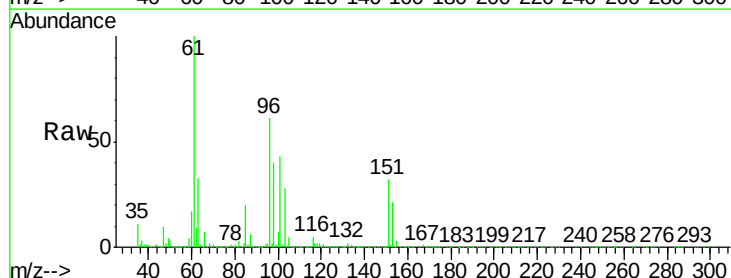
RT: 2.37 min Scan# 243

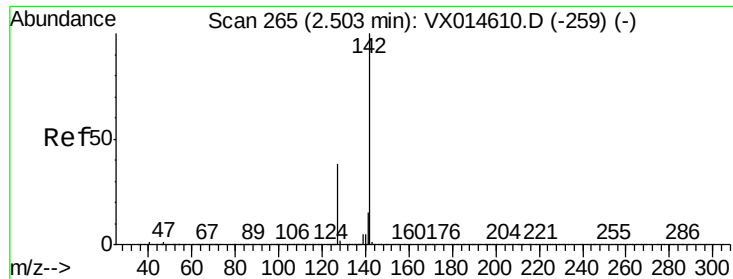
Delta R.T. 0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	96	Resp:	82533
Ion Ratio	Lower	Upper	
96	100		
61	162.4	123.0	184.6
98	65.3	51.4	77.0





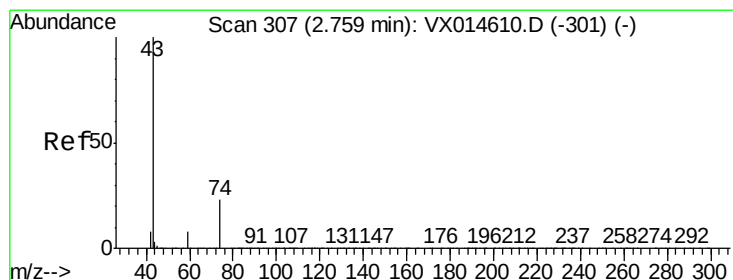
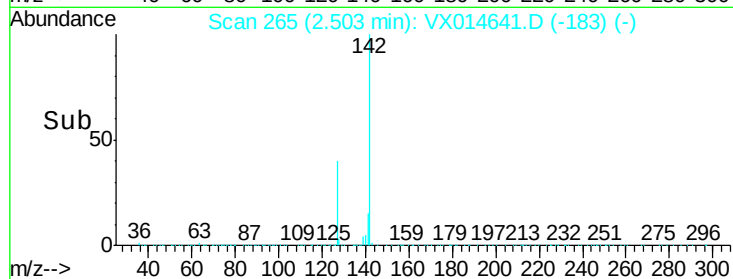
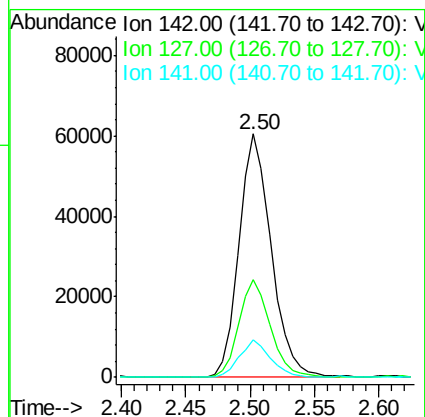
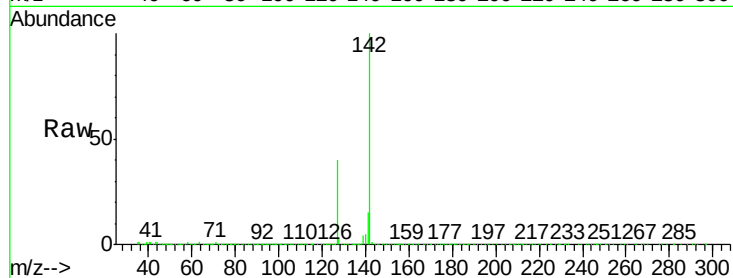
#11
Methvl Iodide
Concen: 18.488 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.8	19.5	58.5
141	15.0	7.0	20.9

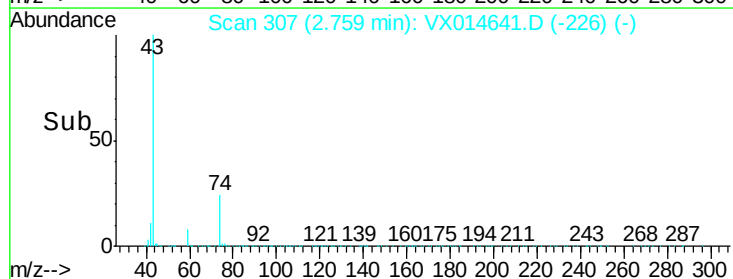
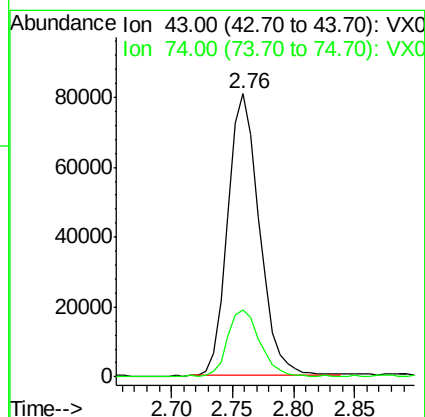
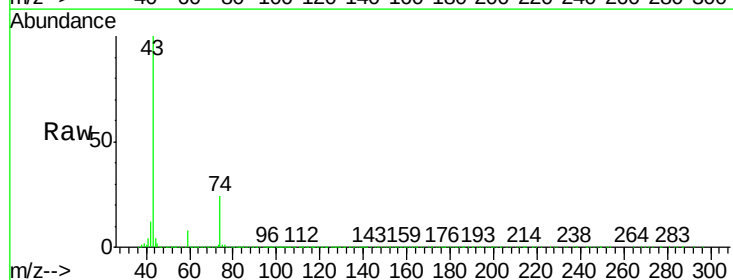
Manual Integrations
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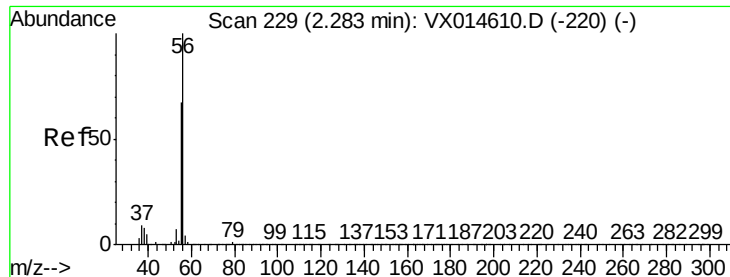
MMDadoda
1/17/2020 11:24:00 AM



#12
Methyl Acetate
Concen: 18.958 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.5	27.7





#13

Acrolein

Concen: 81.884 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 65442

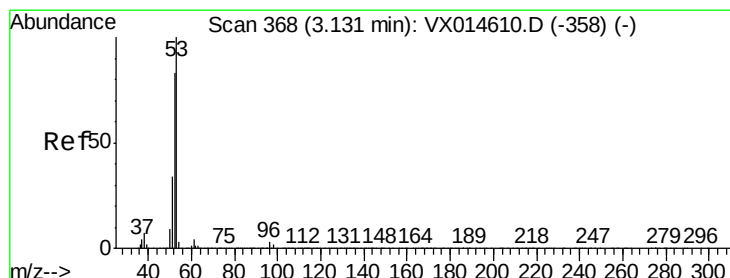
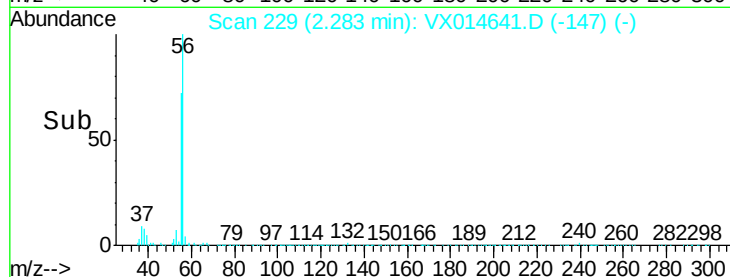
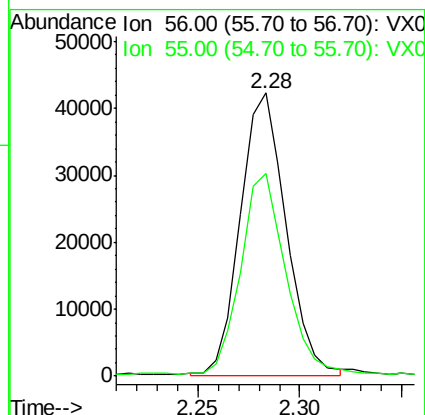
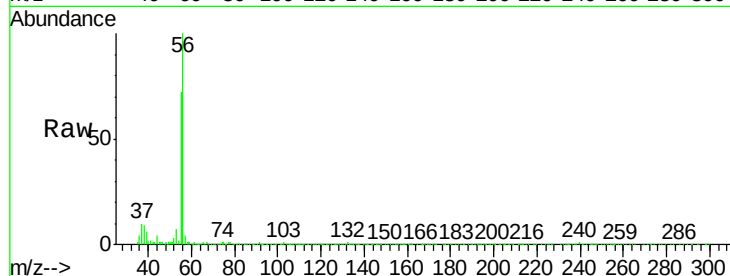
Ion Ratio Lower Upper

56 100

55 71.3 54.9 82.3

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#14

Acrylonitrile

Concen: 91.141 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

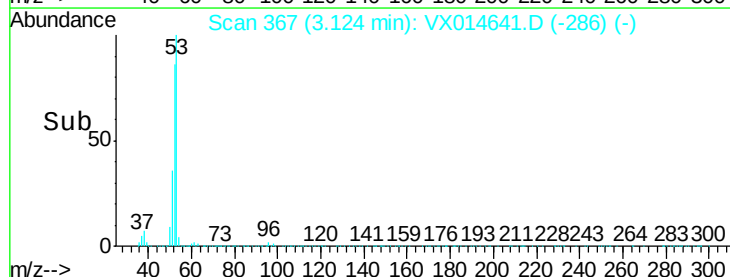
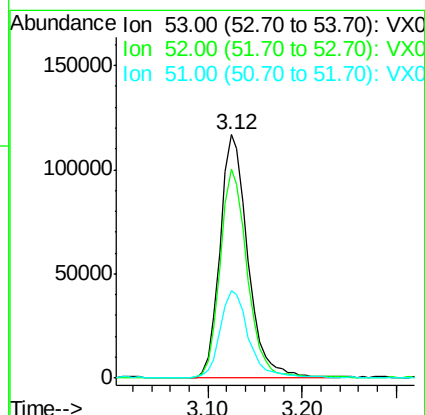
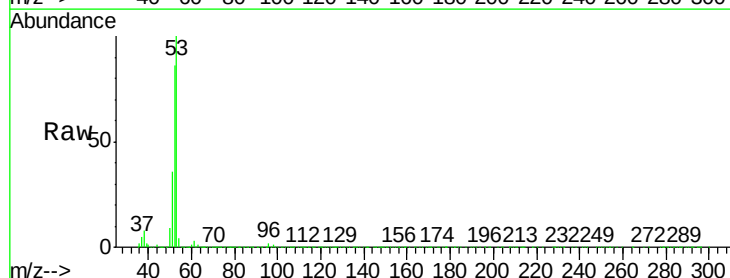
Tgt Ion: 53 Resp: 237284

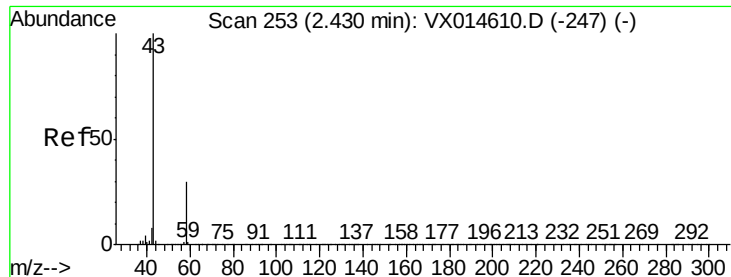
Ion Ratio Lower Upper

53 100

52 84.3 41.5 124.6

51 36.5 17.8 53.5





#15

Acetone

Concen: 65.496 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 57165

Ion Ratio Lower Upper

58 100

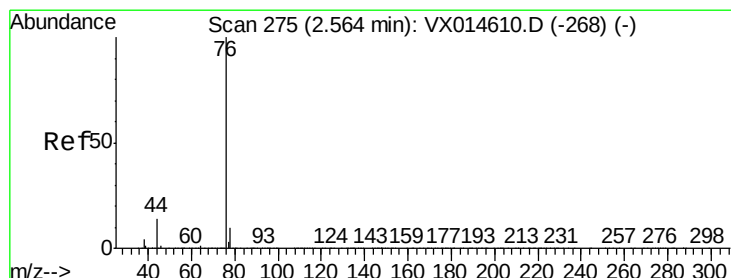
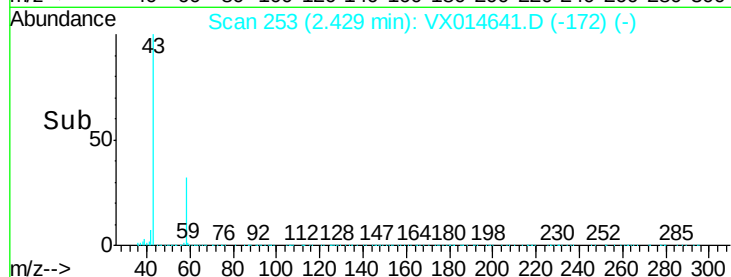
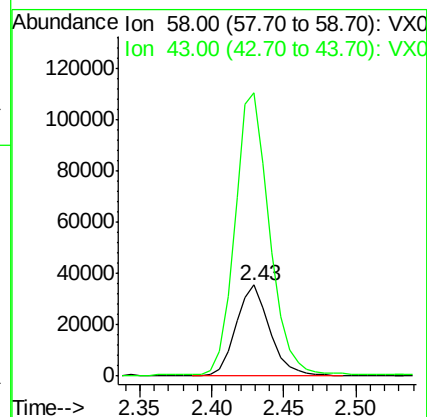
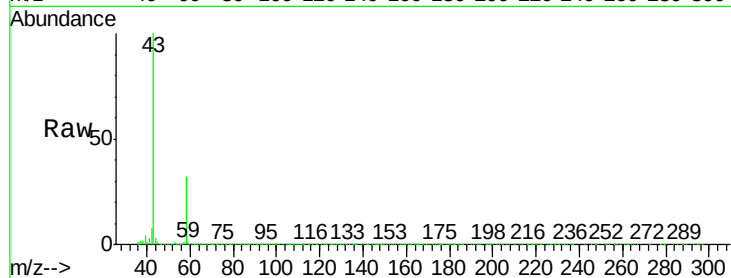
43 311.8 236.3 354.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.889 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014641.D

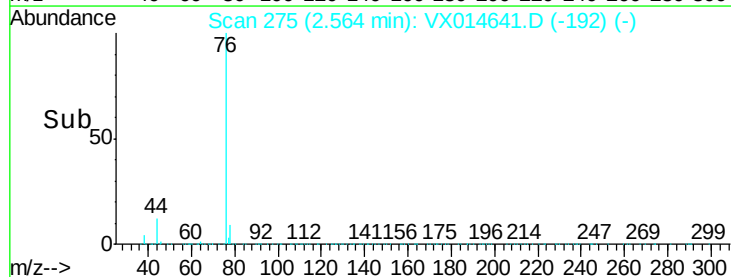
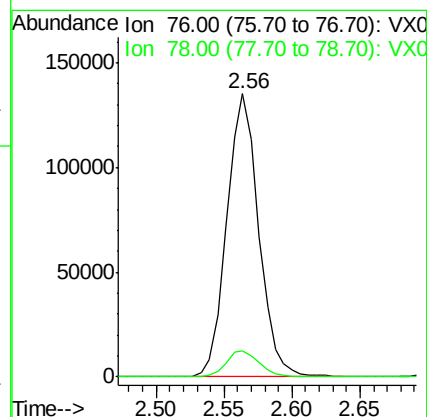
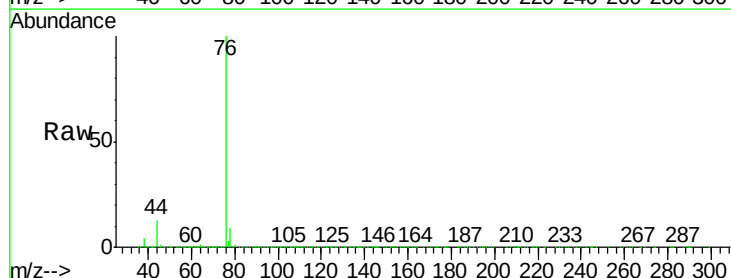
Acq: 16 Jan 2020 16:54

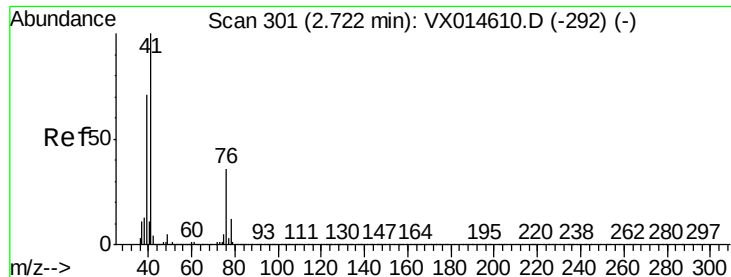
Tgt Ion: 76 Resp: 218501

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8





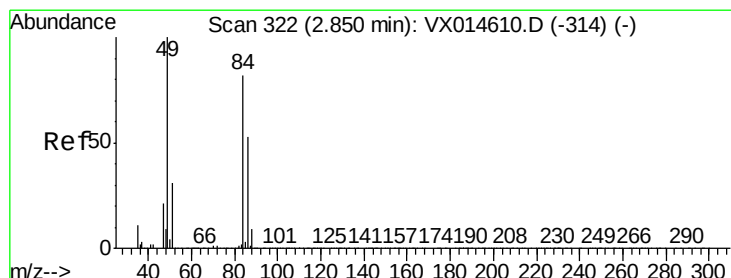
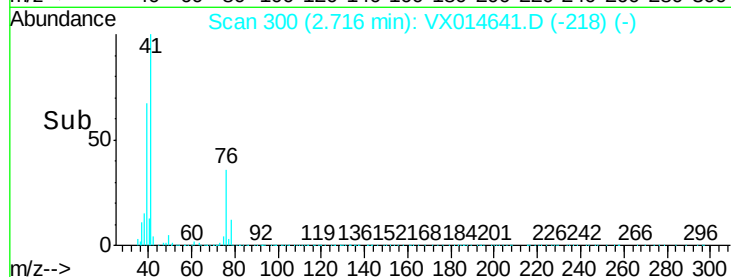
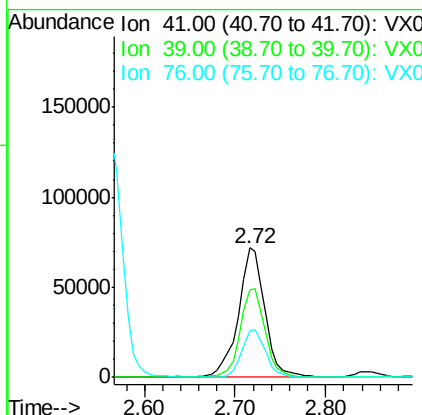
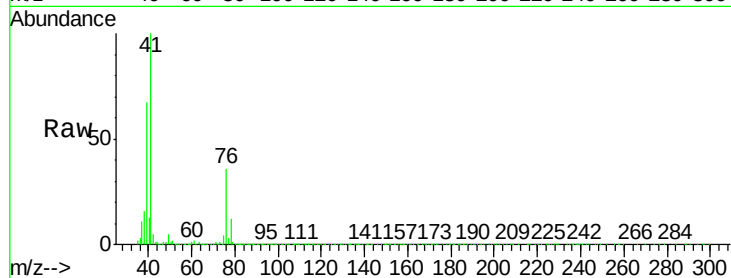
#17
 Allvl chloride
 Concen: 18.461 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion:	41	Resp:	143902
Ion	Ratio	Lower	Upper
41	100		
39	67.5	33.4	100.2
76	36.1	17.0	50.9

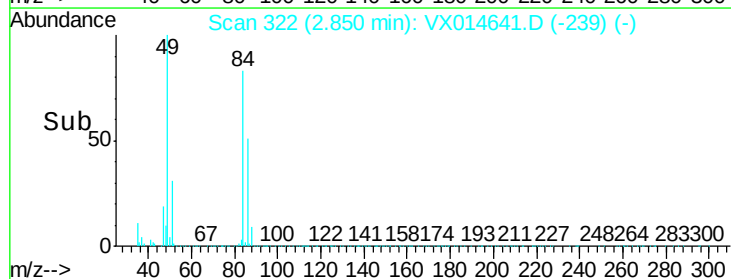
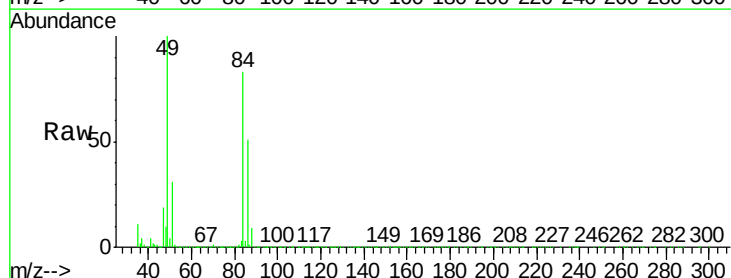
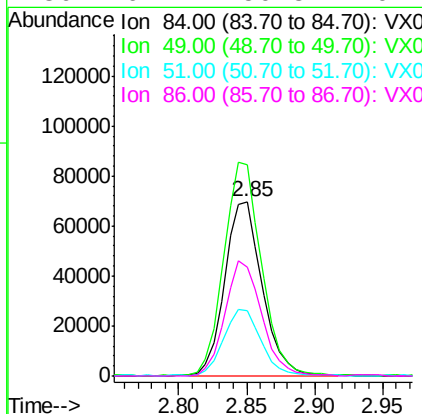
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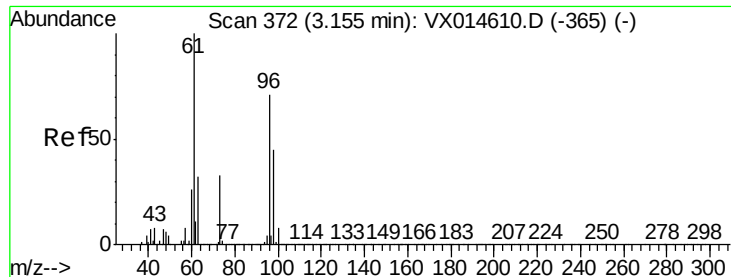
MMDadoda
 1/17/2020 11:24:00 AM



#18
 Methylene Chloride
 Concen: 26.958 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Tgt Ion:	84	Resp:	132886
Ion	Ratio	Lower	Upper
84	100		
49	120.7	102.2	153.2
51	37.1	31.4	47.0
86	62.1	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.595 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

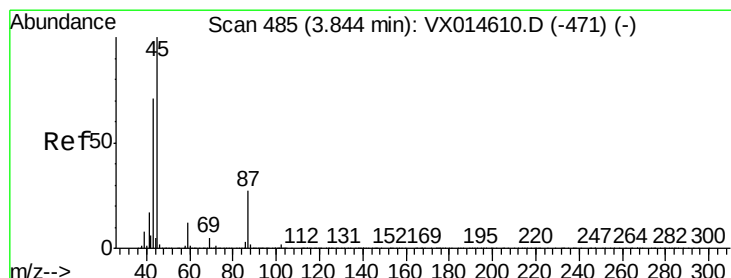
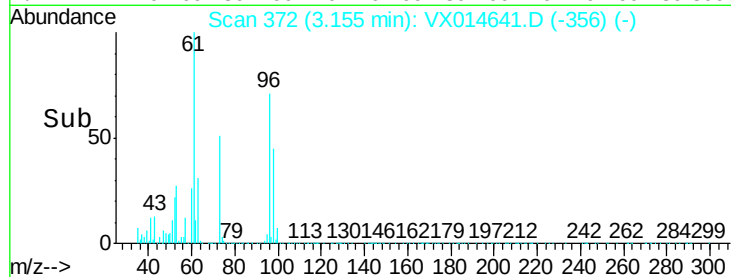
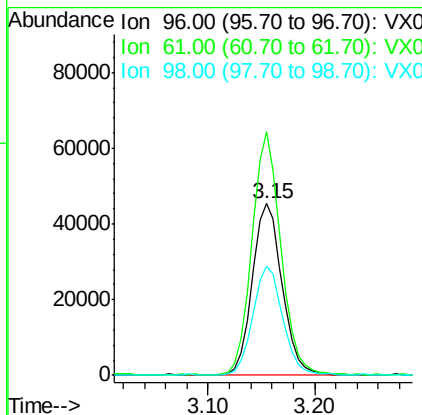
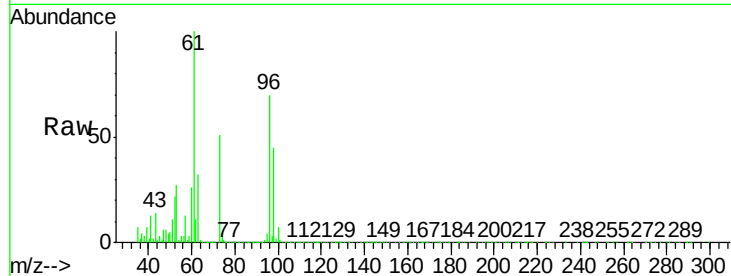
ClientSampleId :

VSTDCCC020EC

Tot Ion:	96	Resp:	88848
Ion	Ratio	Lower	Upper
96	100		
61	141.7	106.6	159.8
98	63.1	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.510 ug/l

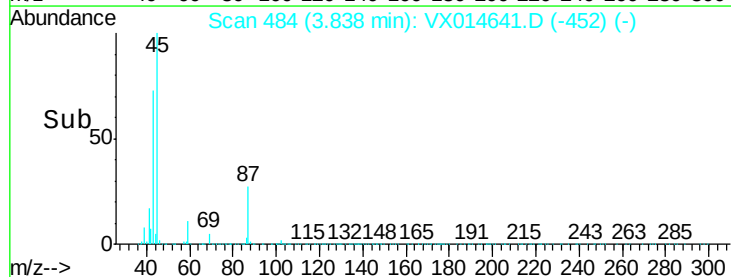
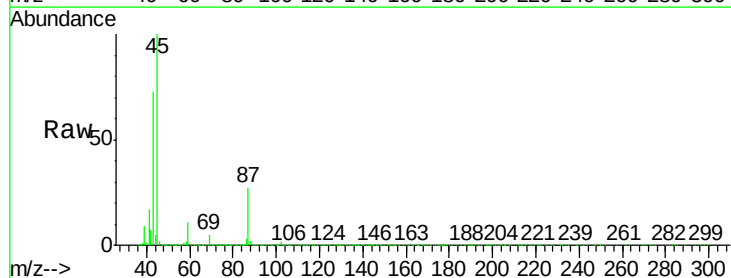
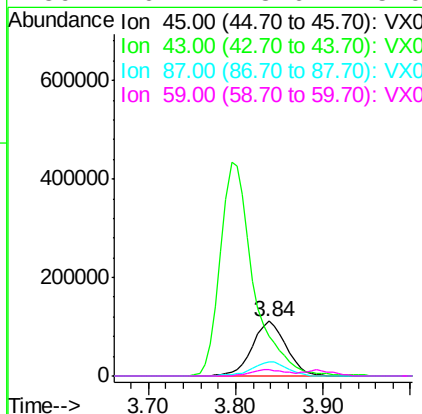
RT: 3.84 min Scan# 484

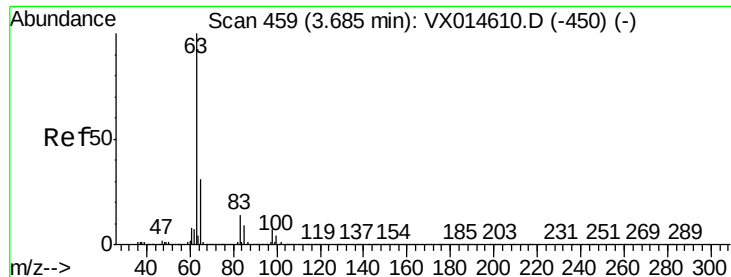
Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	45	Resp:	300892
Ion	Ratio	Lower	Upper
45	100		
43	73.1	55.9	83.9
87	27.0	22.2	33.2
59	10.7	8.6	13.0





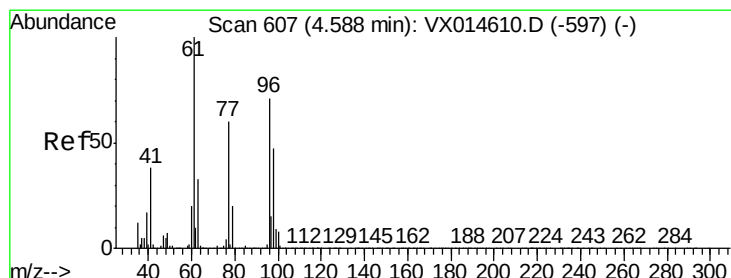
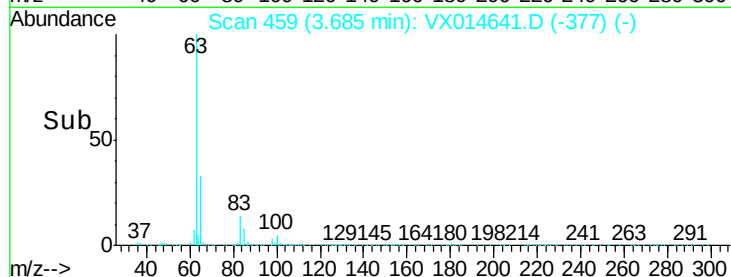
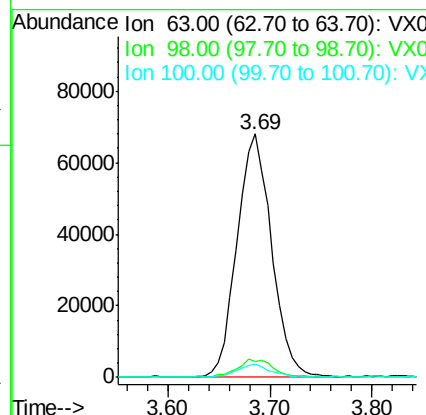
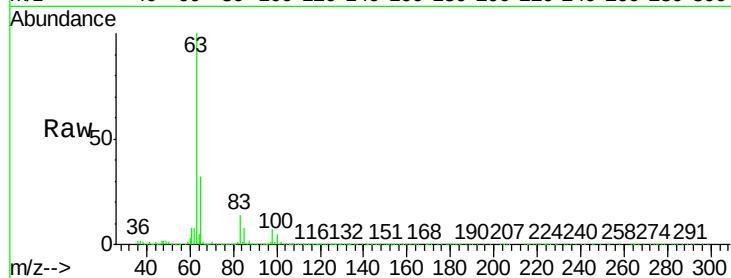
#21
1,1-Dichloroethane
Concen: 18.997 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	5.0	2.5	7.4

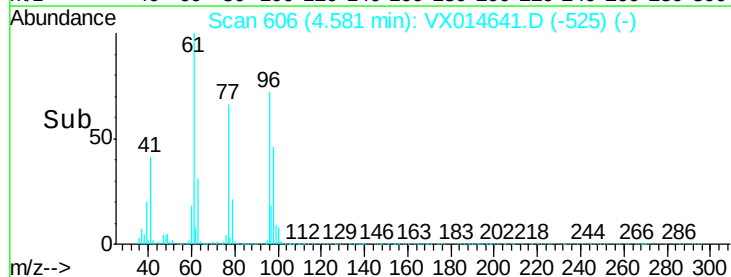
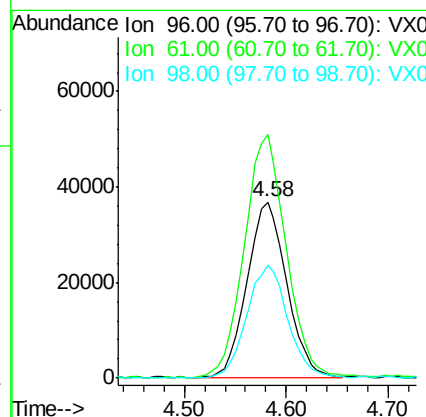
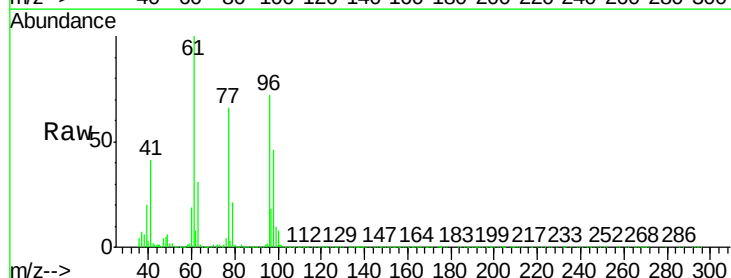
Manual Integrations
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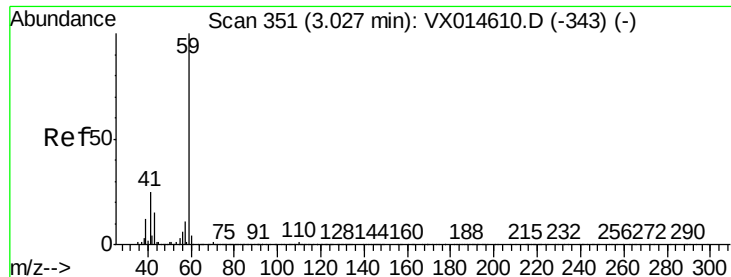
MMDadoda
1/17/2020 11:24:00 AM



#22
cis-1,2-Dichloroethene
Concen: 19.306 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.6	112.4	168.6
98	65.1	50.3	75.5





#23

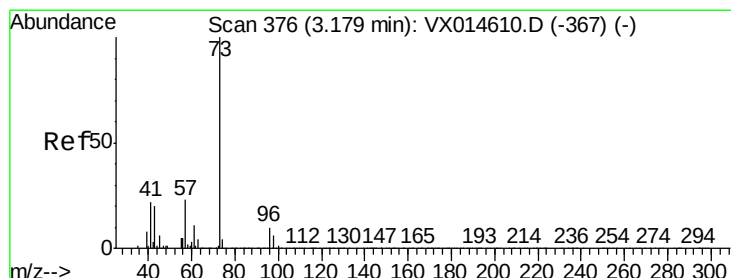
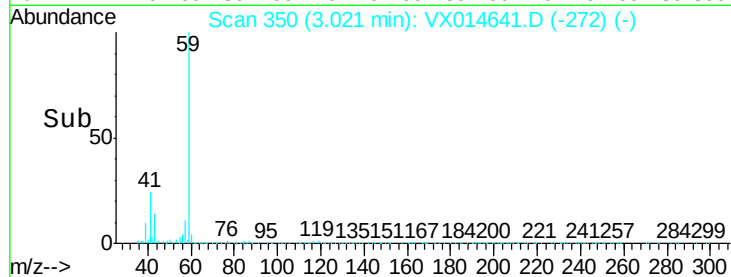
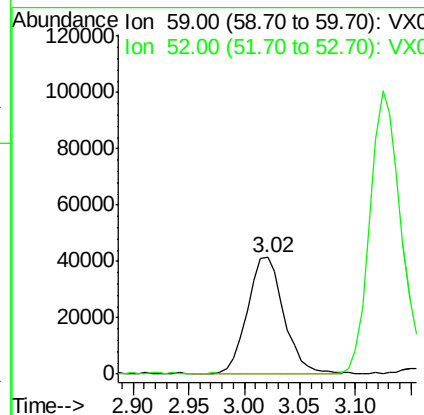
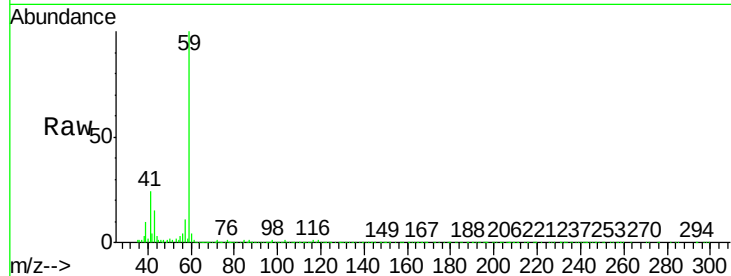
tert-Butyl Alcohol
 Concen: 87.351 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
52	0.3	0.2	0.2#	

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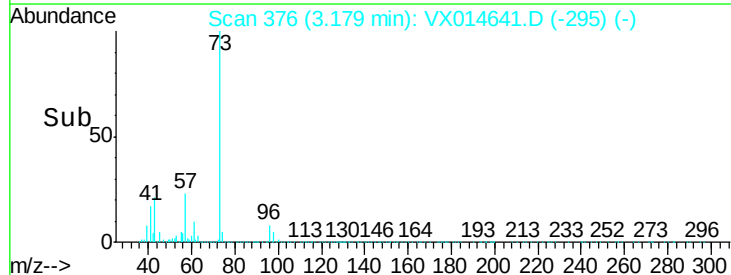
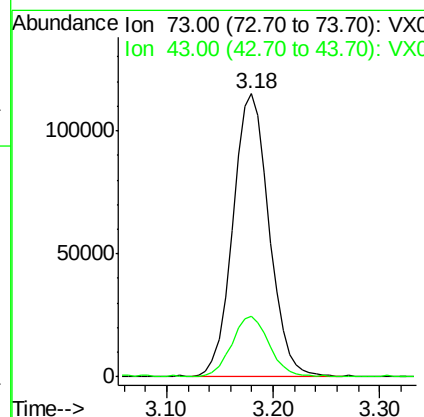
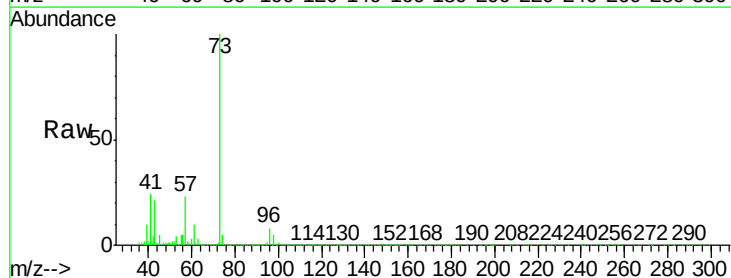
MMDadoda
 1/17/2020 11:24:00 AM

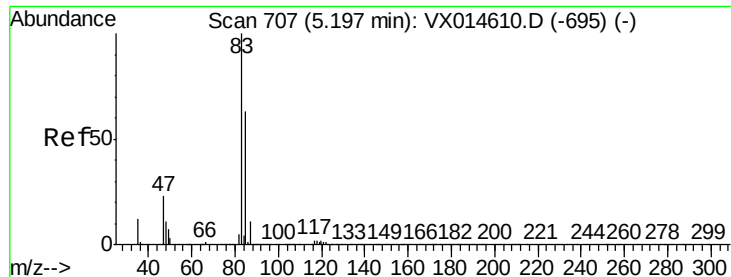


#24

Methyl tert-Butyl Ether
 Concen: 19.379 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	22.3	16.6	25.0	





#25

Chloroform

Concen: 19.200 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 155830

Ion Ratio Lower Upper

83 100

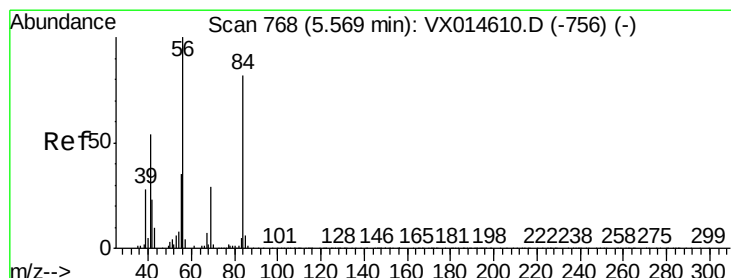
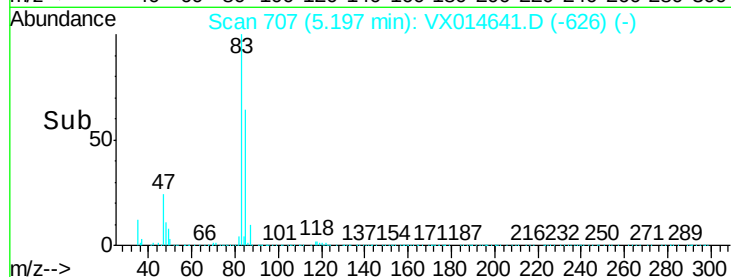
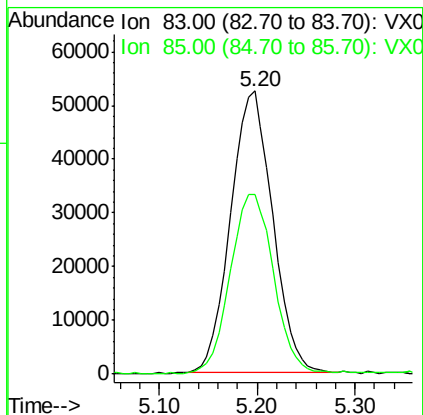
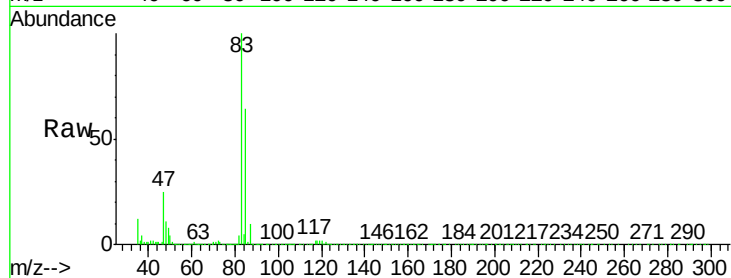
85 63.5 52.7 79.1

Manual Integrations

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#26

Cyclohexane

Concen: 19.535 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

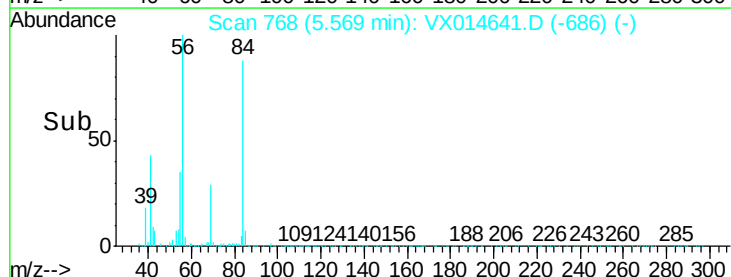
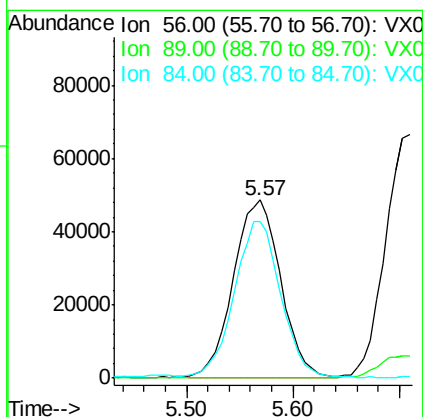
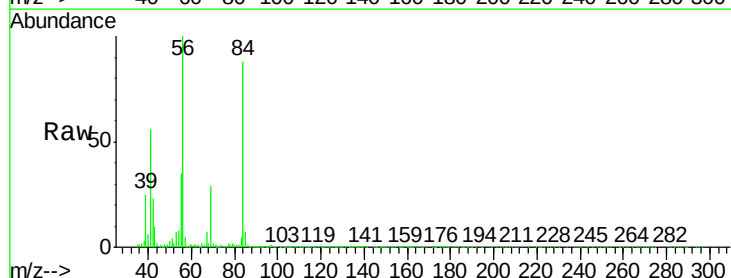
Tgt Ion: 56 Resp: 150968

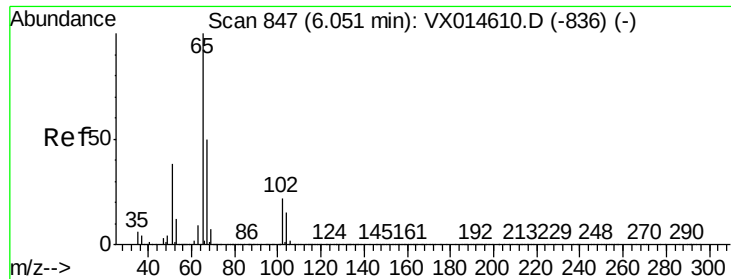
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 86.2 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 30.576 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 163520

Ion Ratio Lower Upper

65 100

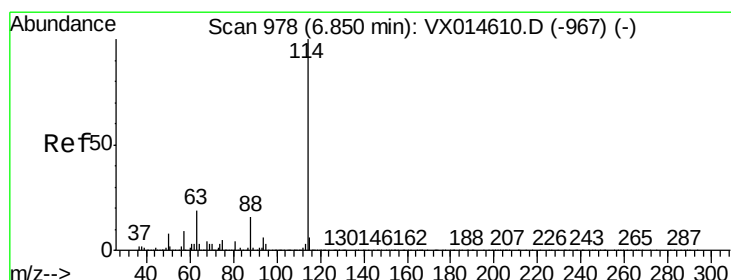
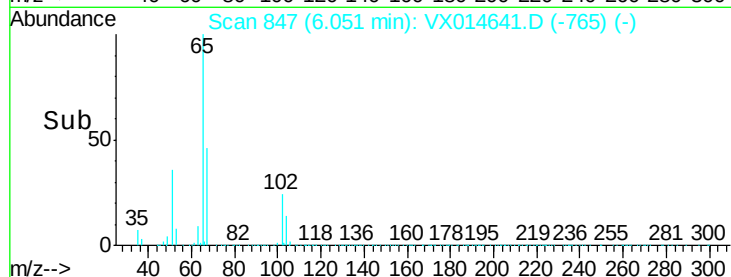
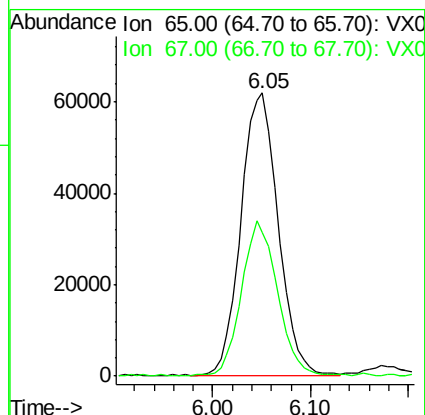
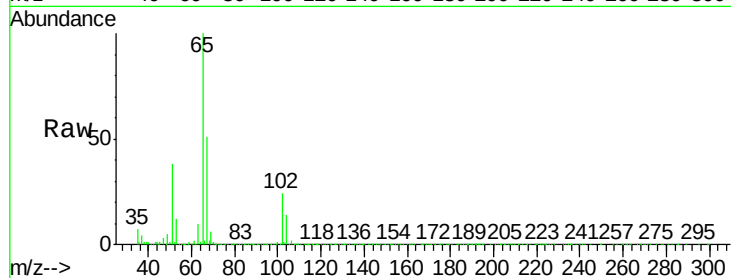
67 53.1 43.1 64.7

Manual Integrations

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1/17/2020 11:24:00 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

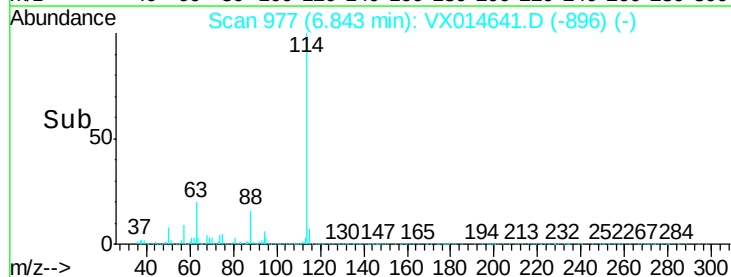
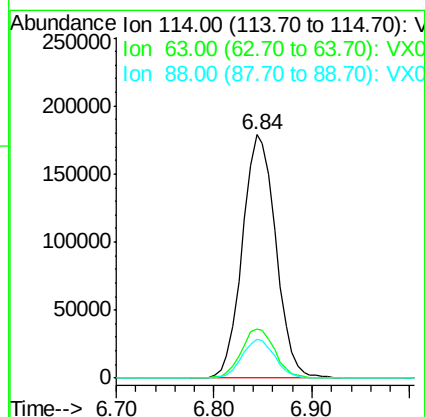
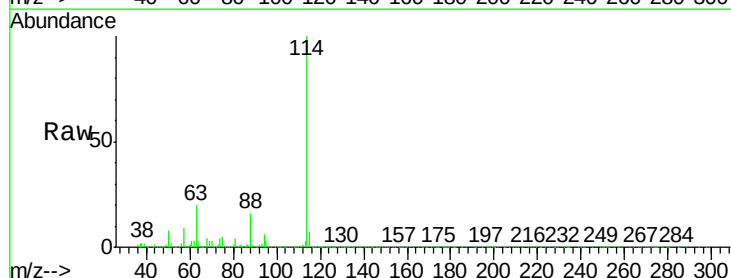
Tgt Ion: 114 Resp: 423841

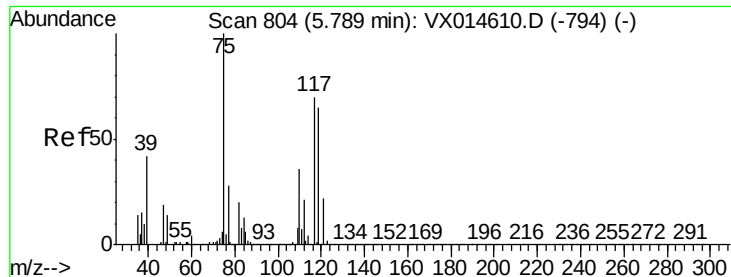
Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.6 12.5 18.7





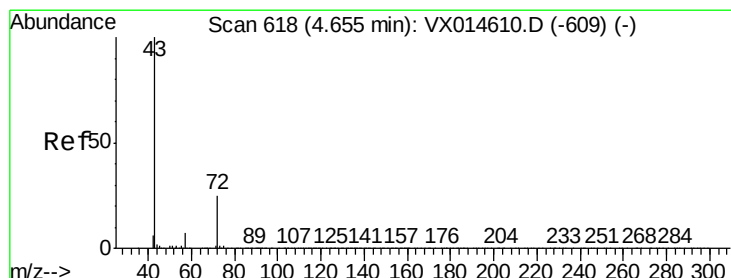
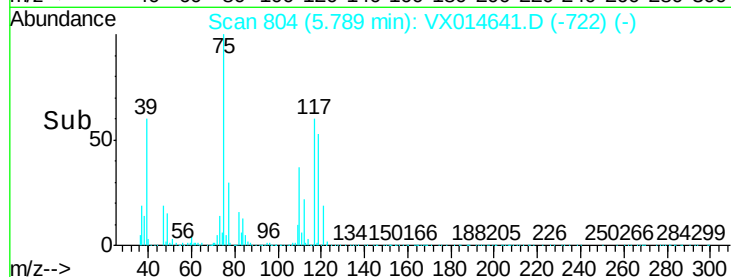
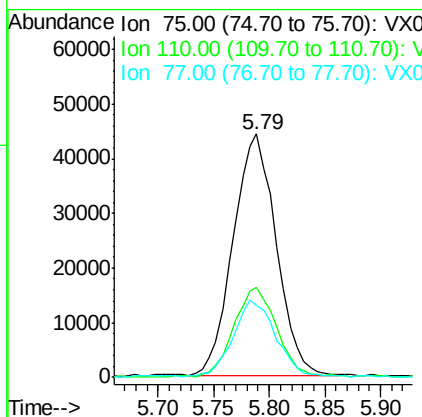
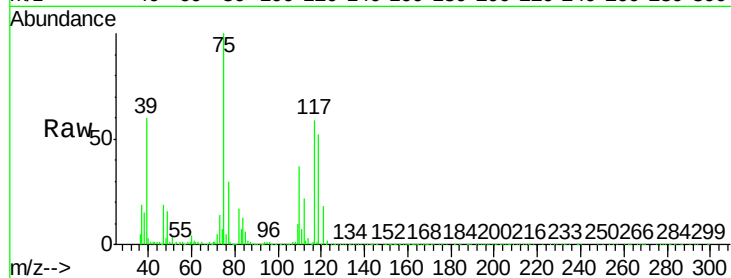
#29
 1,1-Dichloropropene
 Concen: 19.248 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	73.8
77	31.3	0.0	62.4

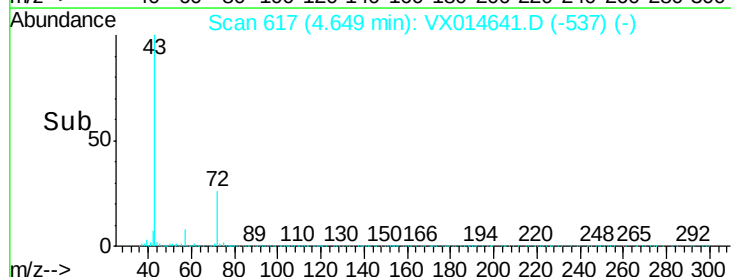
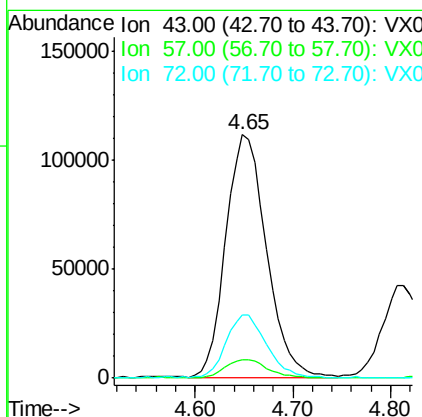
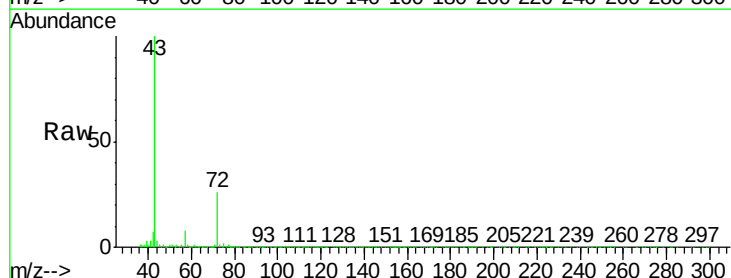
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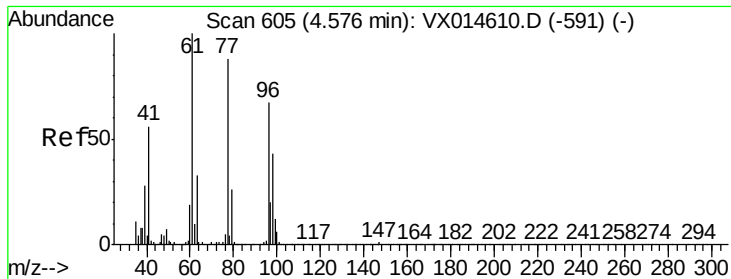
MMDadoda
 1/17/2020 11:24:00 AM



#30
 2-Butanone
 Concen: 81.417 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.2
72	25.4	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.172 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 127516

Ion Ratio Lower Upper

77 100

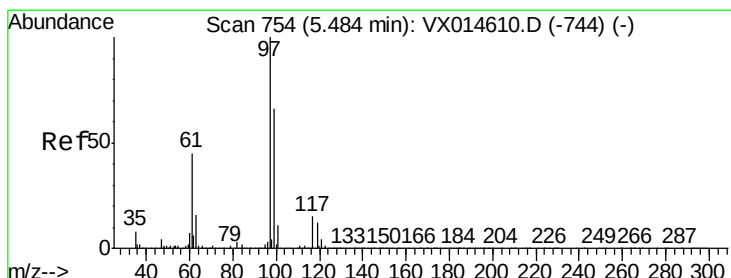
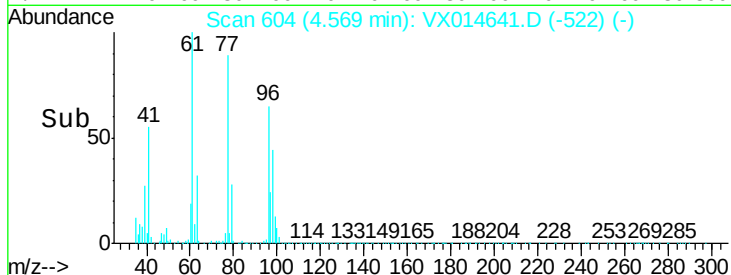
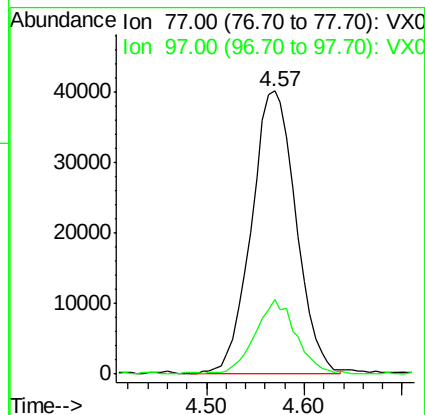
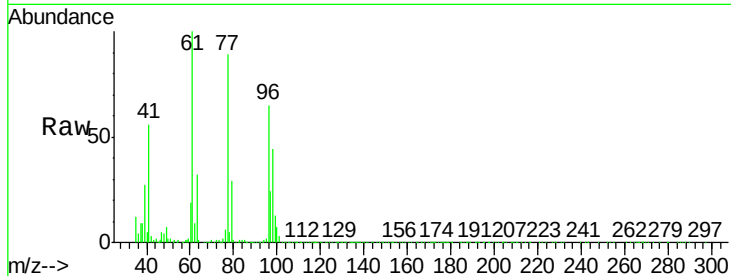
97 23.6 19.7 29.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.048 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

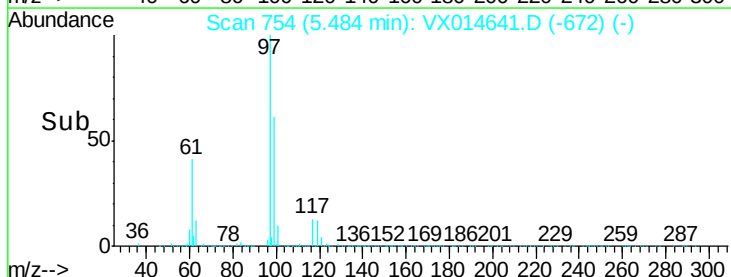
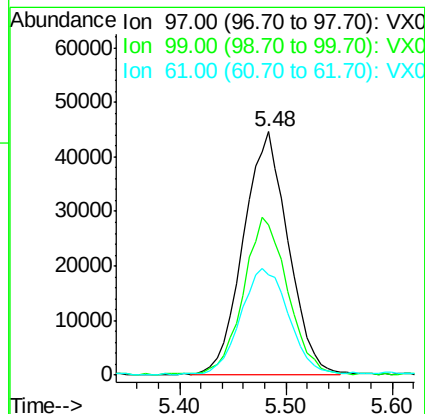
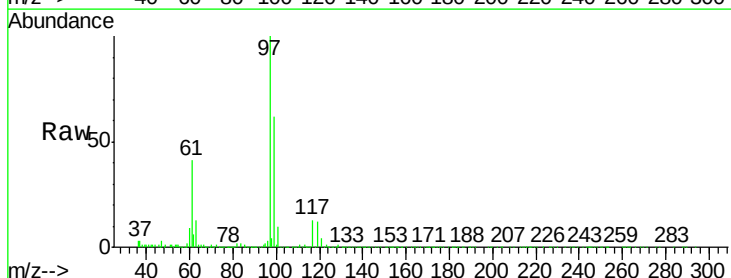
Tgt Ion: 97 Resp: 130990

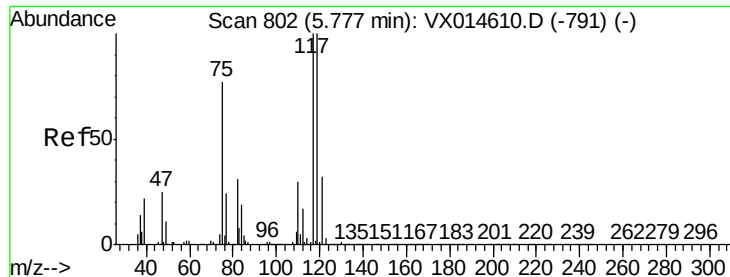
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 46.8 36.8 55.2





#33

Carbon Tetrachloride

Concen: 19.400 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

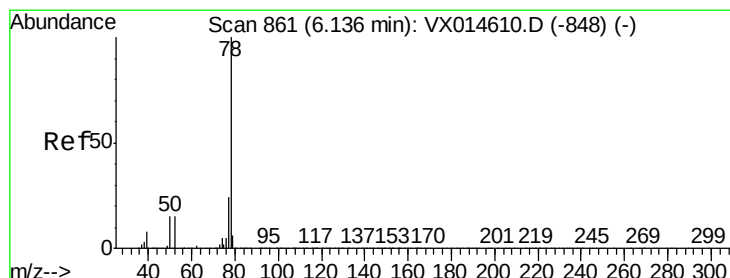
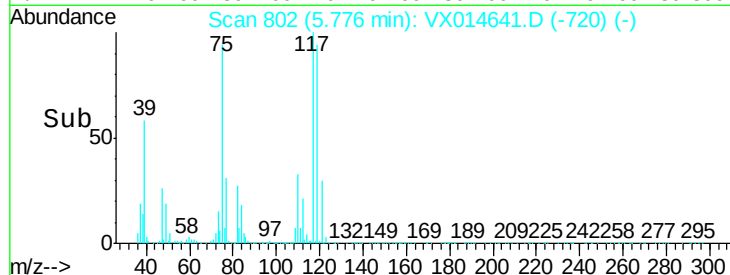
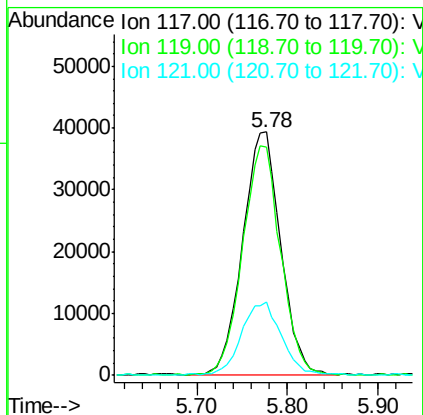
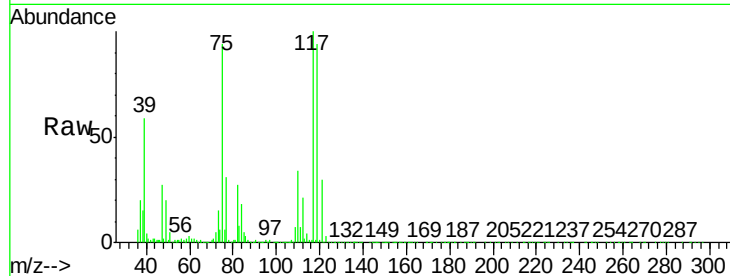
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	114535
Ion Ratio	Lower	Upper	
117	100		
119	93.2	77.2	115.8
121	29.9	24.8	37.2

Manual Integrations
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#34

Benzene

Concen: 19.338 ug/l

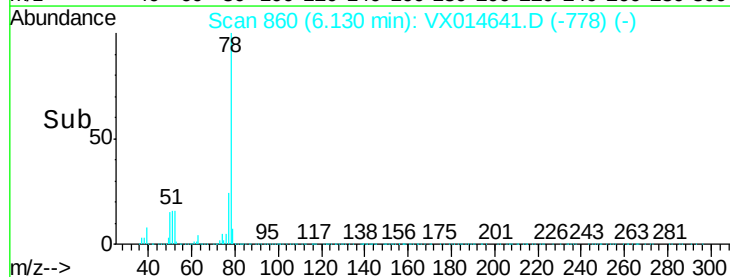
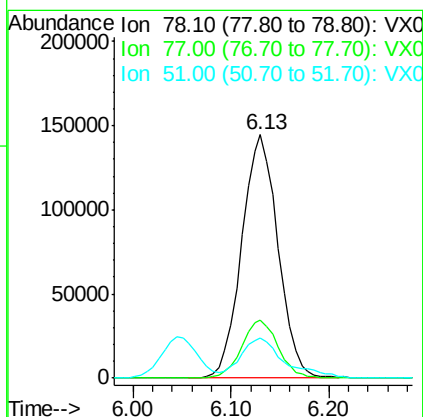
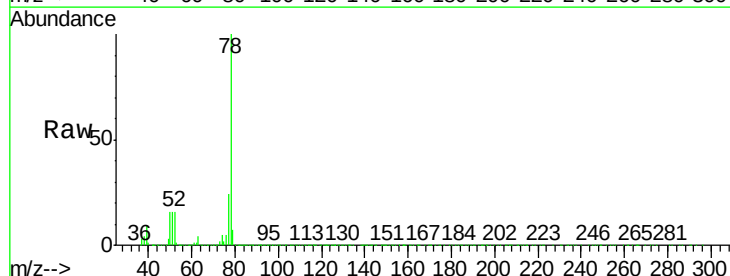
RT: 6.13 min Scan# 860

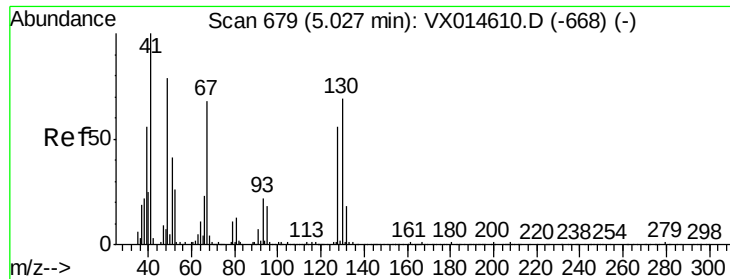
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	78	Resp:	371444
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.2	27.2
51	15.8	12.4	18.6





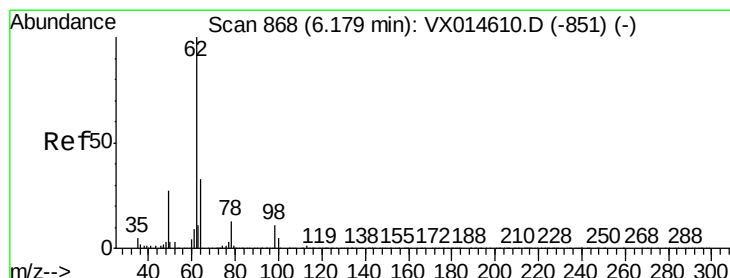
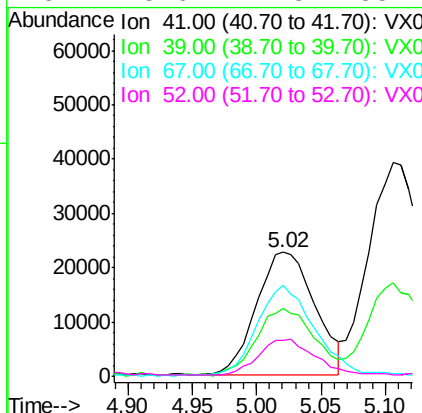
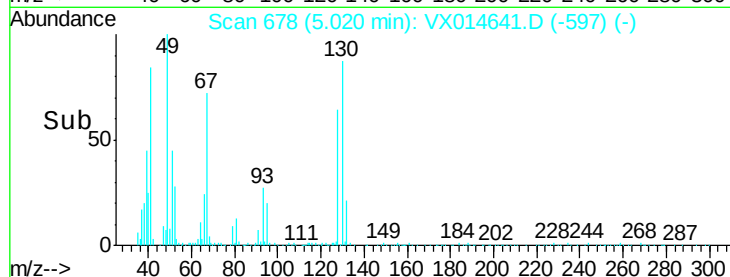
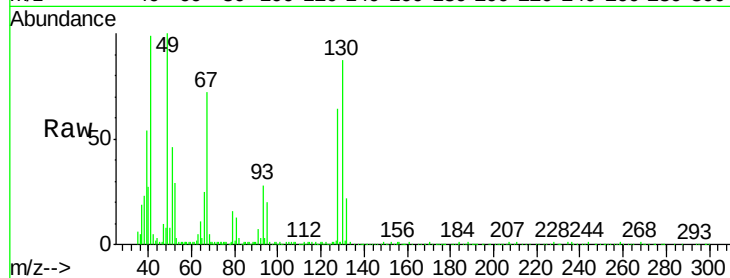
#35
Methacrylonitrile
Concen: 18.172 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	26.7	80.1	
67	73.7	31.5	94.5	
52	28.6	12.8	38.4	

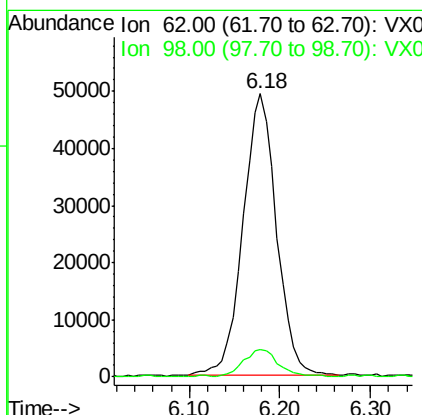
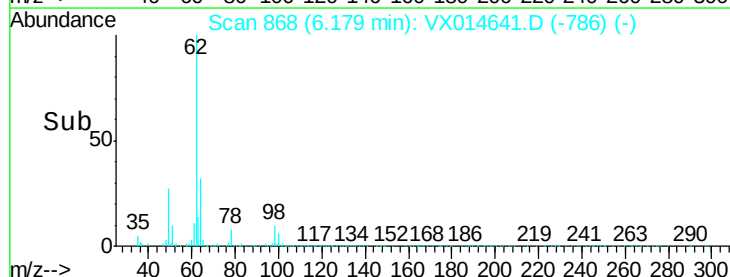
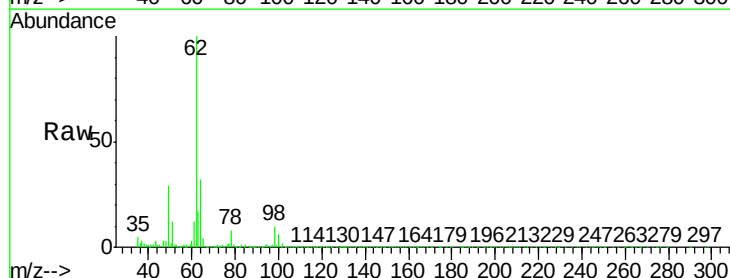
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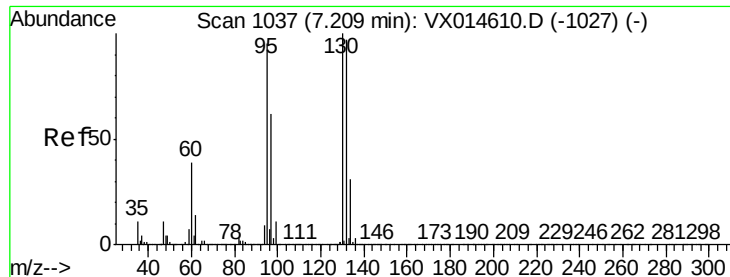
MMDadoda
1/17/2020 11:24:00 AM



#36
1,2-Dichloroethane
Concen: 18.877 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	8.4	12.6	





#37

Trichloroethene

Concen: 19.558 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 102862

Ion Ratio Lower Upper

130 100

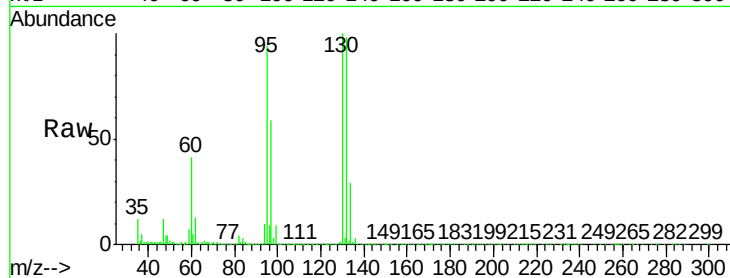
95 94.1 71.7 107.5

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

50000

40000

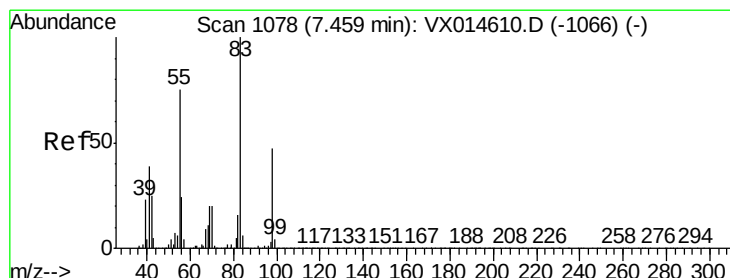
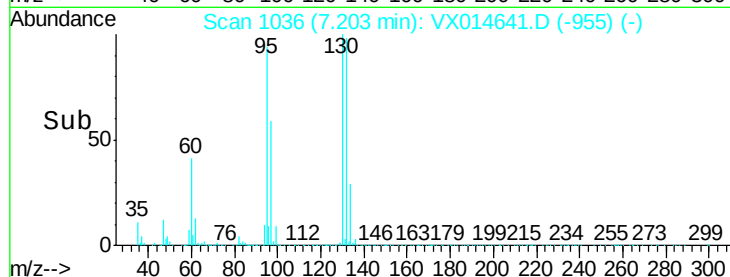
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 19.377 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

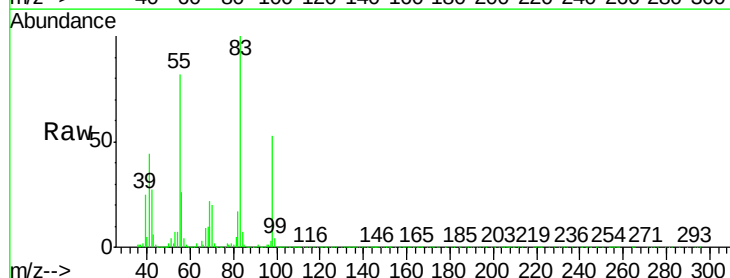
Tgt Ion: 83 Resp: 149968

Ion Ratio Lower Upper

83 100

55 79.6 39.4 118.1

98 51.0 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.45

80000

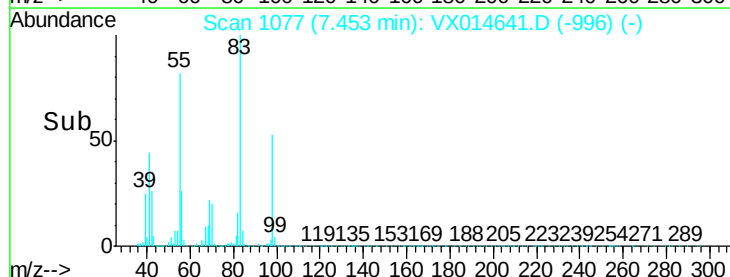
60000

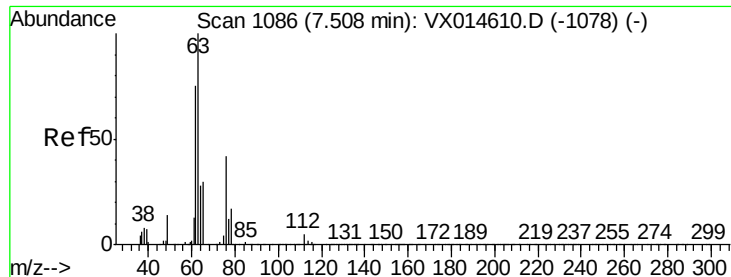
40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55





#39

1,2-Dichloropropane

Concen: 18.937 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 94585

Ion Ratio Lower Upper

63 100

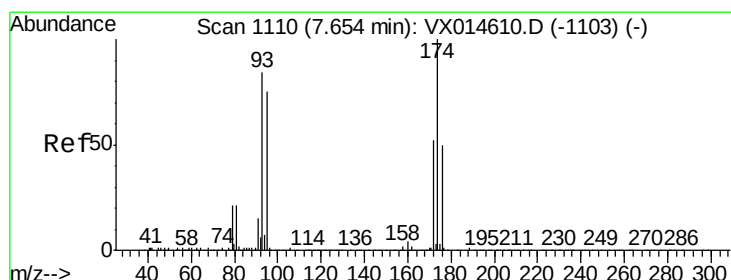
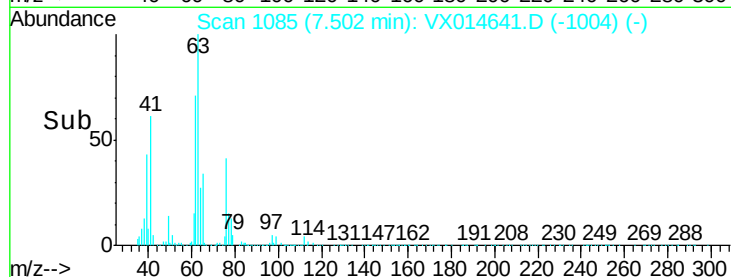
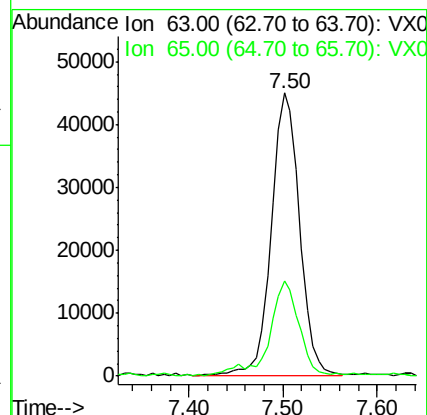
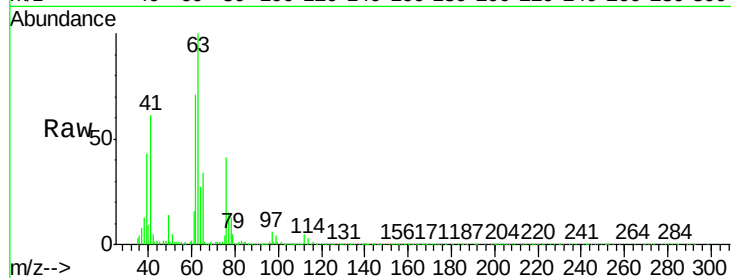
65 32.8 22.1 33.1

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#40

Dibromomethane

Concen: 18.859 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

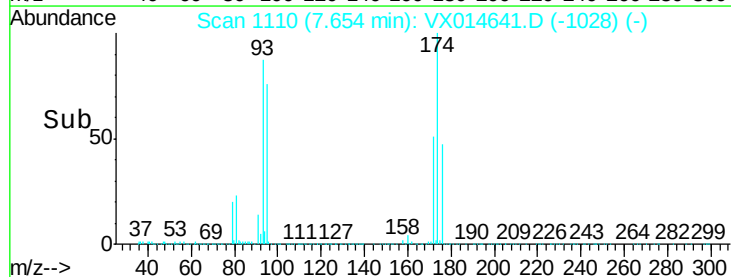
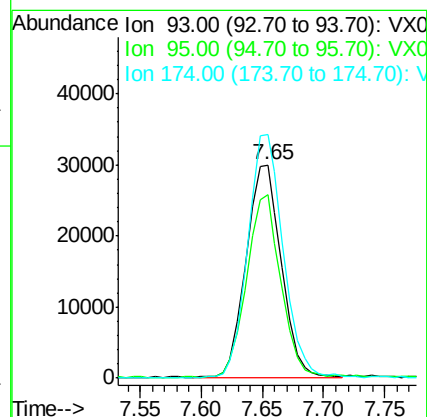
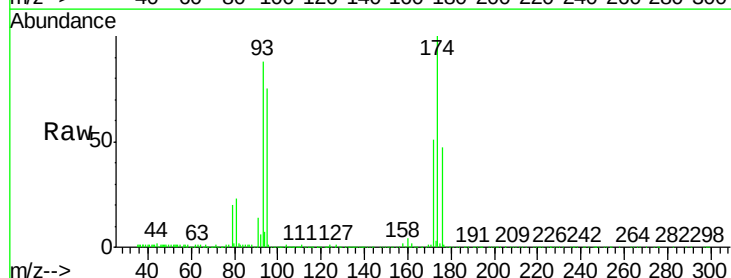
Tgt Ion: 93 Resp: 60537

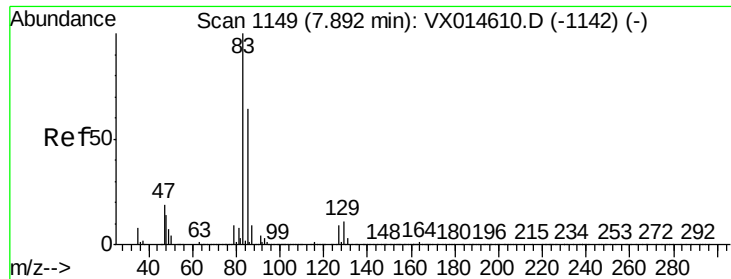
Ion Ratio Lower Upper

93 100

95 82.5 0.0 164.4

174 113.7 0.0 228.8





#41

Bromodichloromethane

Concen: 18.201 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

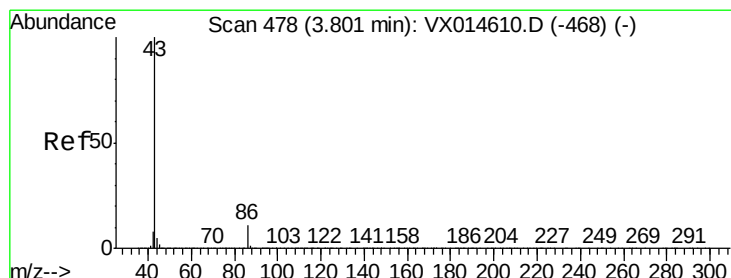
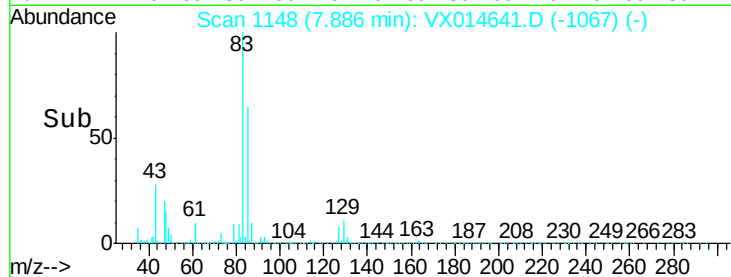
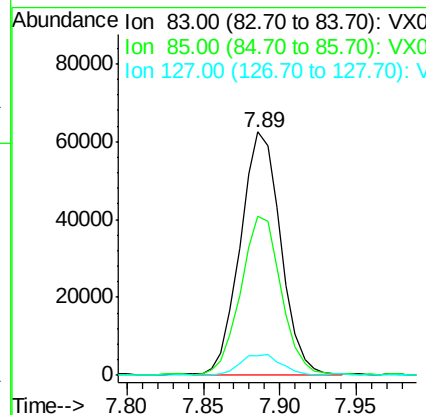
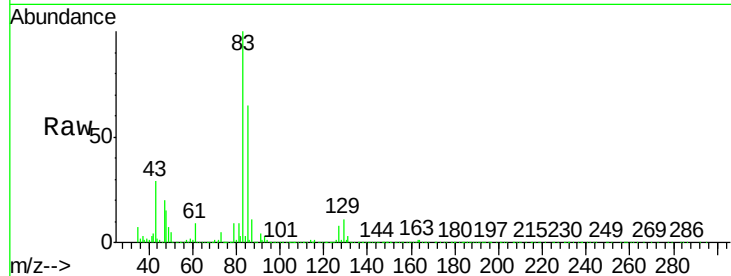
ClientSampleId :

VSTDCCC020EC

Tot Ion	83	Resp	114409
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.6	77.4
127	8.1	6.0	9.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 94.412 ug/l

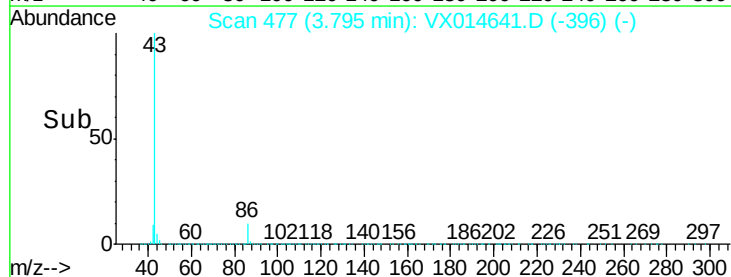
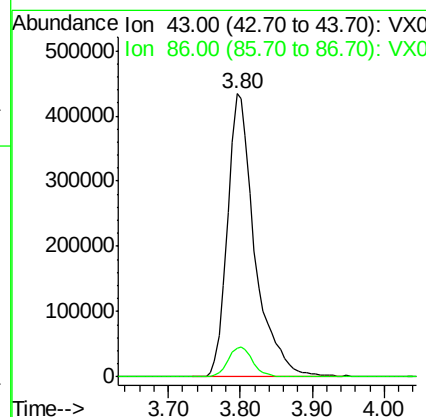
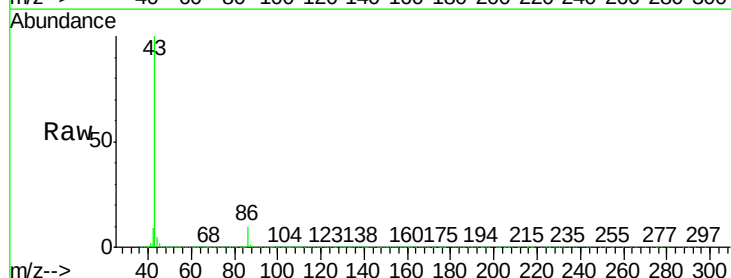
RT: 3.80 min Scan# 477

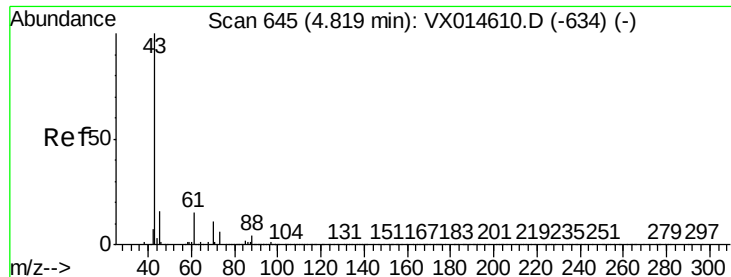
Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion	43	Resp	1145820
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.7	11.5





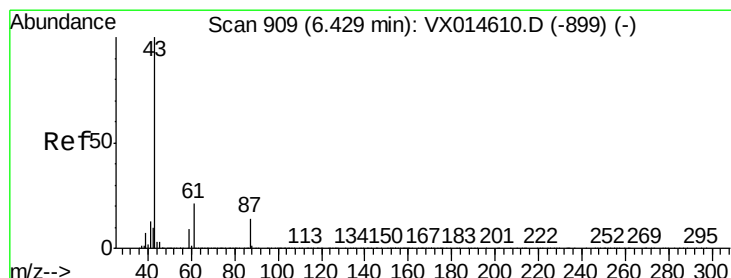
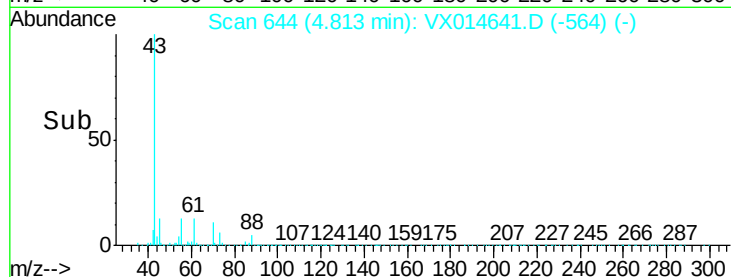
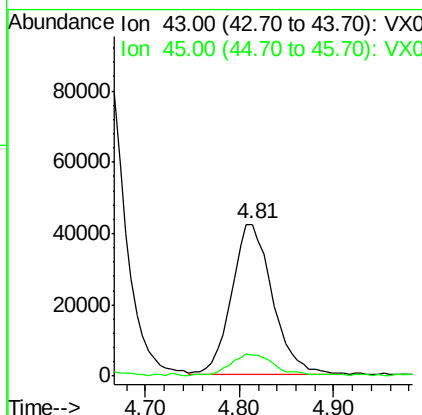
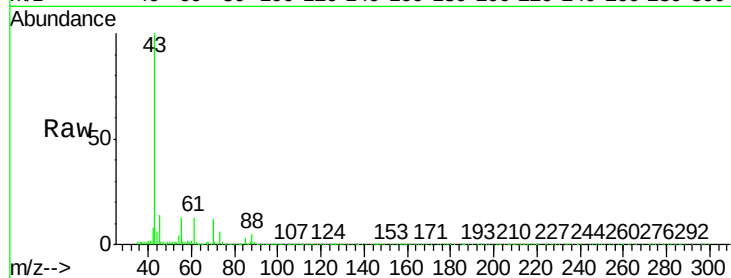
#43
Ethyl Acetate
Concen: 17.878 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.7	11.8	17.8

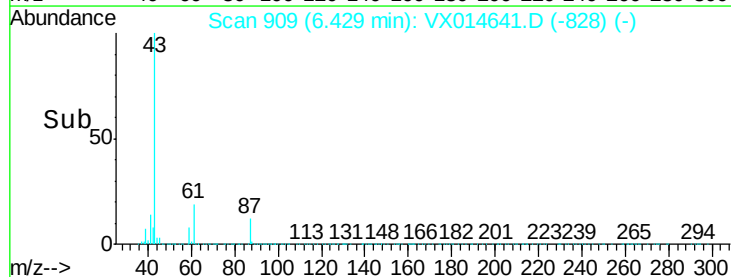
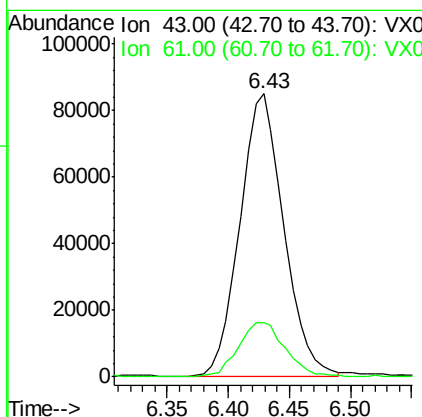
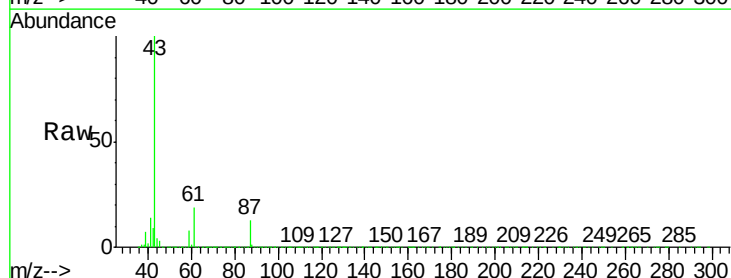
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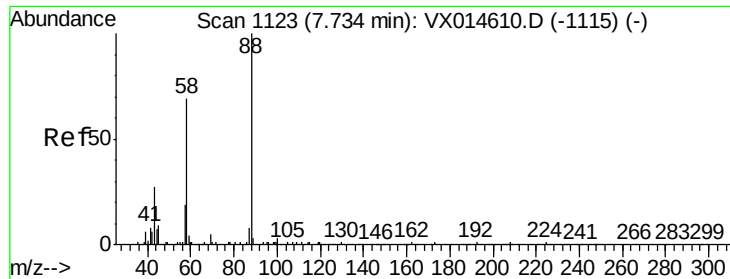
MMDadoda
1/17/2020 11:24:00 AM



#44
Isopropyl Acetate
Concen: 18.315 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.9	23.9





#45

1,4-Dioxane

Concen: 358.326 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

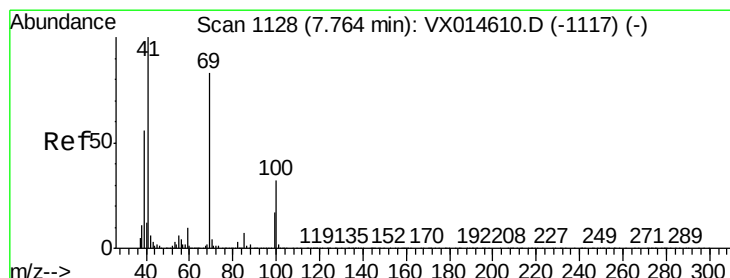
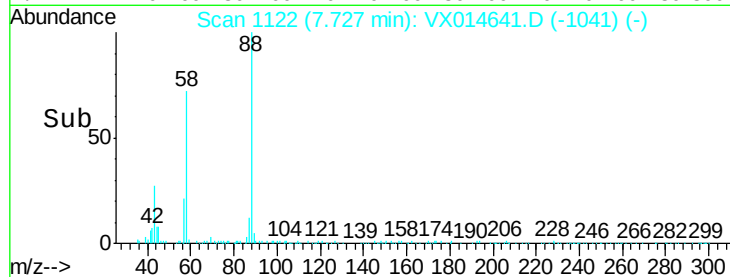
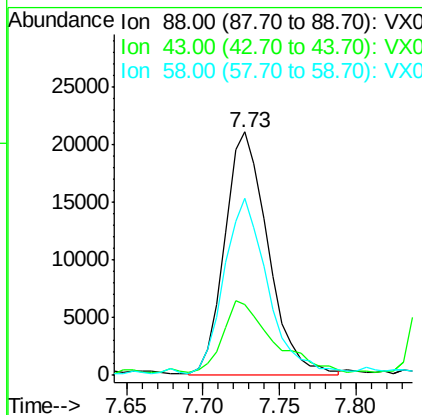
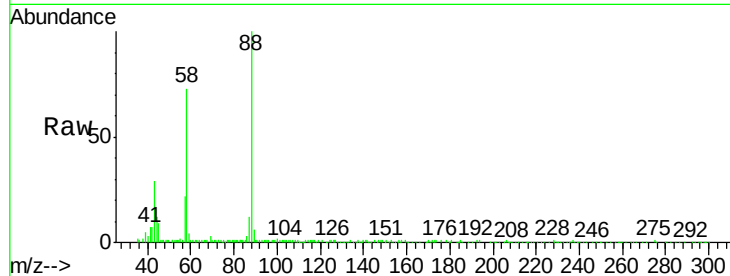
ClientSampleId :

VSTDCCC020EC

Tot Ion:	88	Resp:	41216
Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.4	38.2
58	73.5	56.5	84.7

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#46

Methyl methacrylate

Concen: 18.133 ug/l

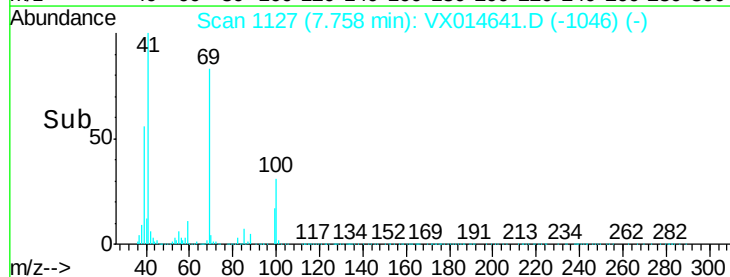
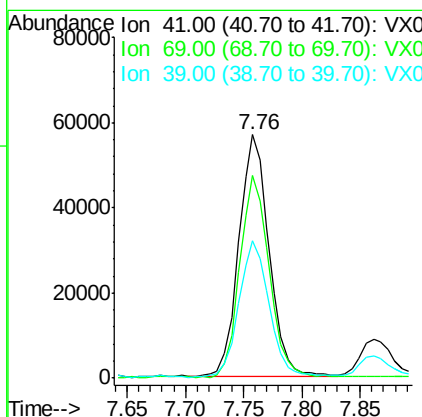
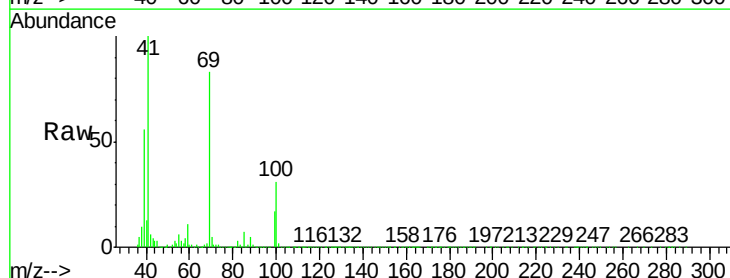
RT: 7.76 min Scan# 1127

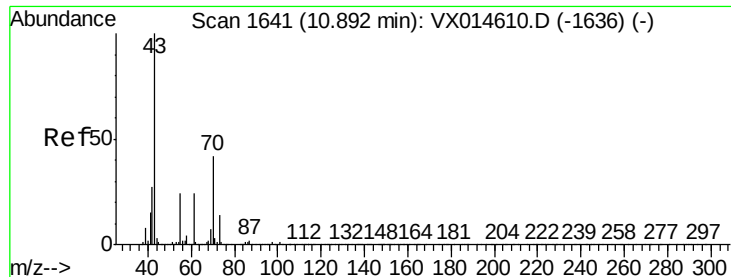
Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	41	Resp:	102540
Ion	Ratio	Lower	Upper
41	100		
69	83.2	40.6	122.0
39	56.4	27.8	83.3





#47

n-amvl Acetate

Concen: 18.210 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 175451

Ion Ratio Lower Upper

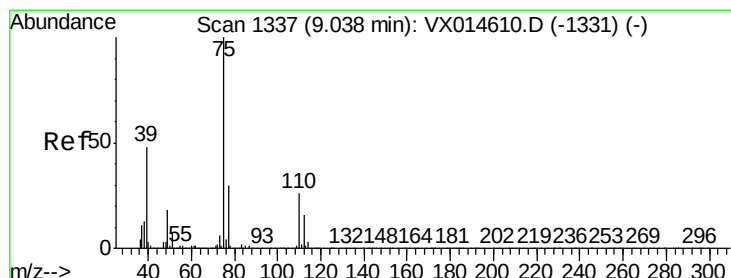
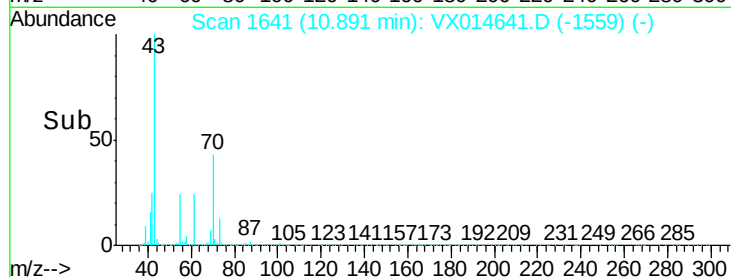
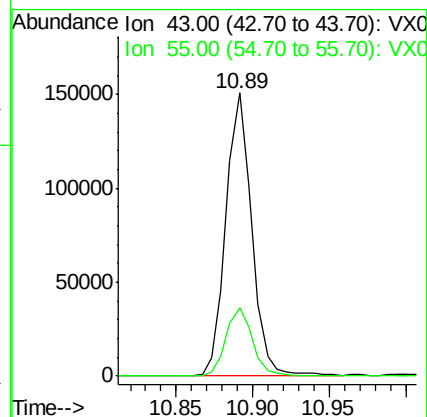
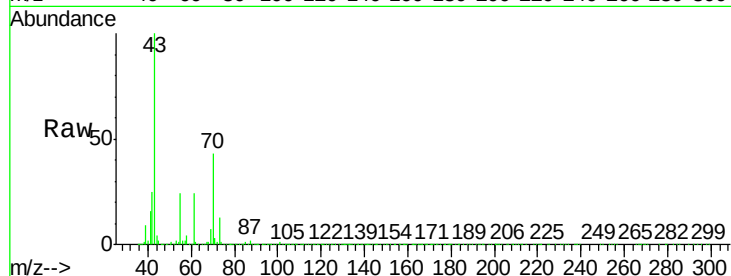
43 100

55 24.5 19.4 29.2

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1/17/2020 11:24:00 AM



#48

t-1,3-Dichloropropene

Concen: 18.578 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014641.D

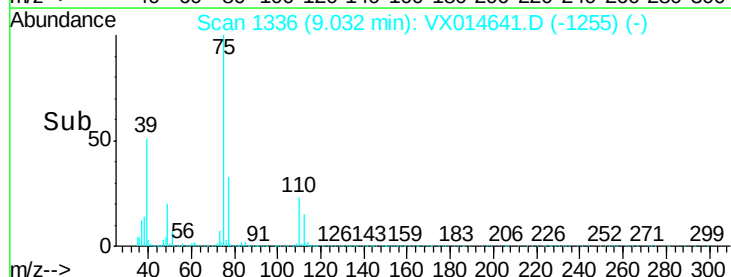
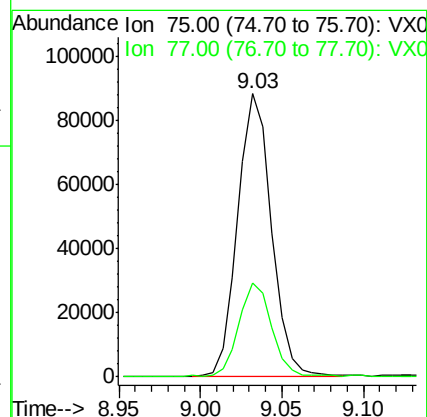
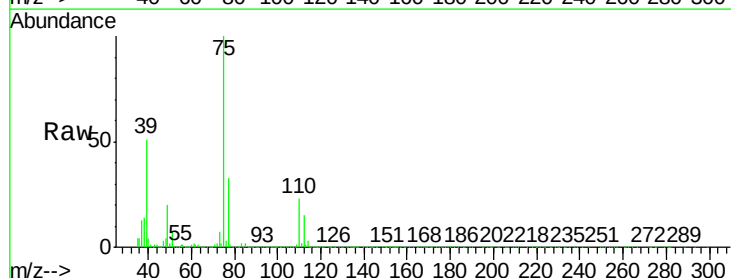
Acq: 16 Jan 2020 16:54

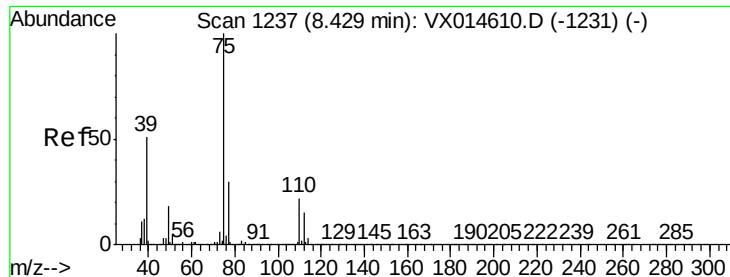
Tgt Ion: 75 Resp: 127500

Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 18.434 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

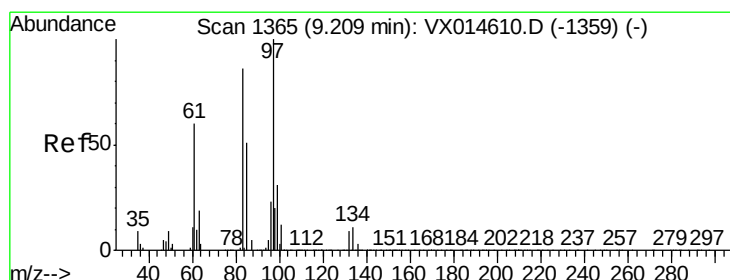
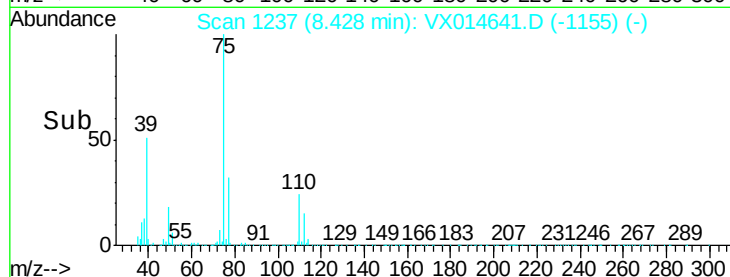
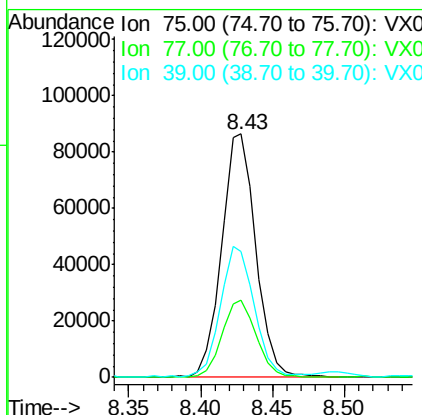
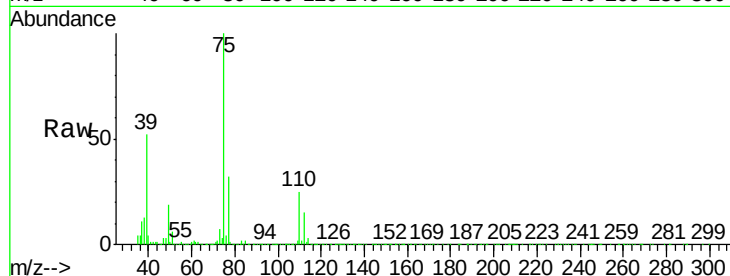
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	142552
Ion Ratio		Lower	Upper
75	100		
77	31.5	24.8	37.2
39	51.5	41.1	61.7

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#50

1,1,2-Trichloroethane

Concen: 18.968 ug/l

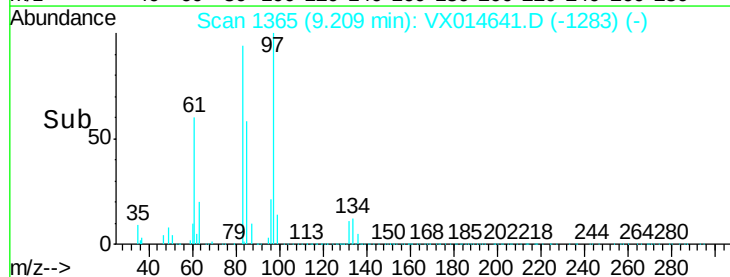
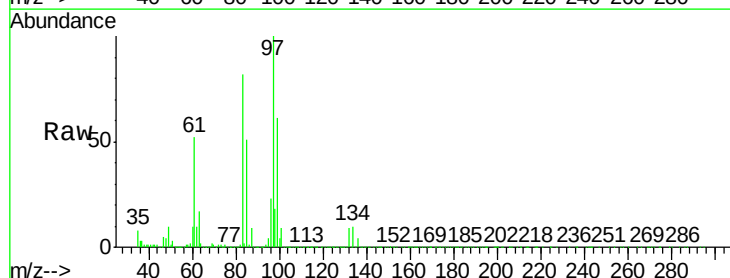
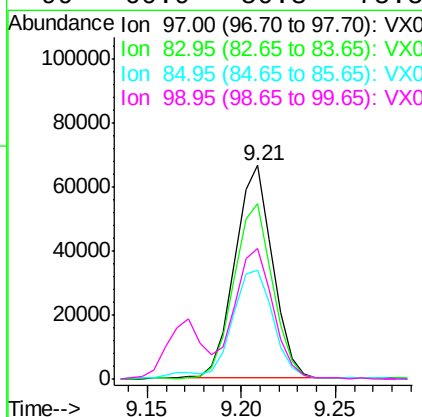
RT: 9.21 min Scan# 1365

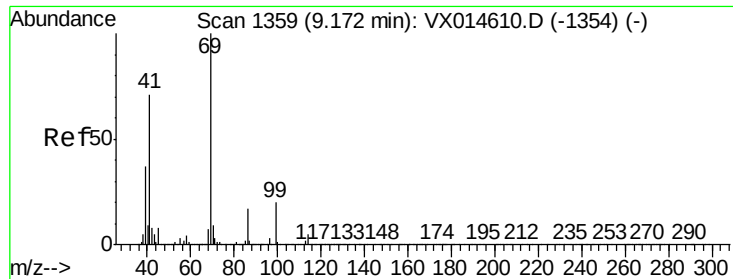
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	97	Resp:	92648
Ion Ratio		Lower	Upper
97	100		
83	82.1	68.1	102.1
85	50.9	42.7	64.1
99	60.9	50.3	75.5





#51

Ethyl methacrylate

Concen: 18.536 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

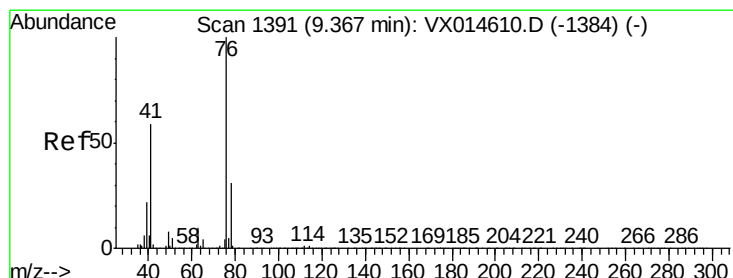
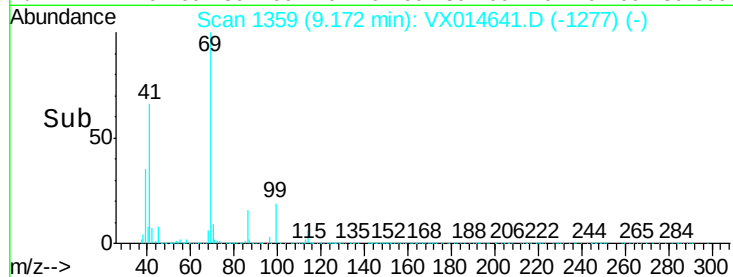
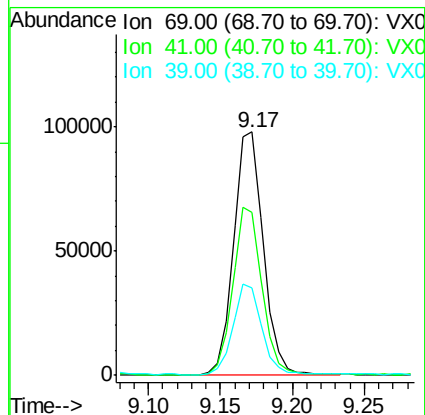
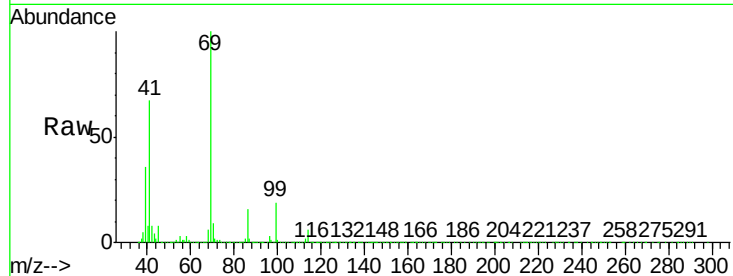
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	140975
Ion	Ratio	Lower	Upper
69	100		
41	66.7	35.4	106.1
39	35.5	17.8	53.3

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#52

1,3-Dichloropropane

Concen: 19.047 ug/l

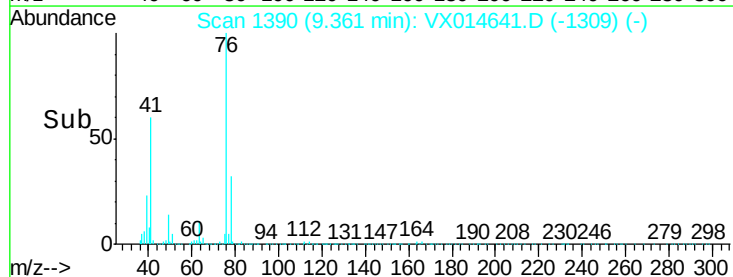
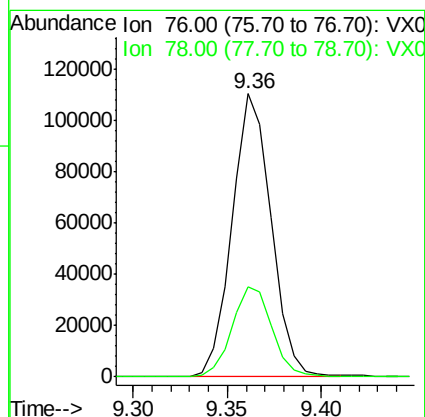
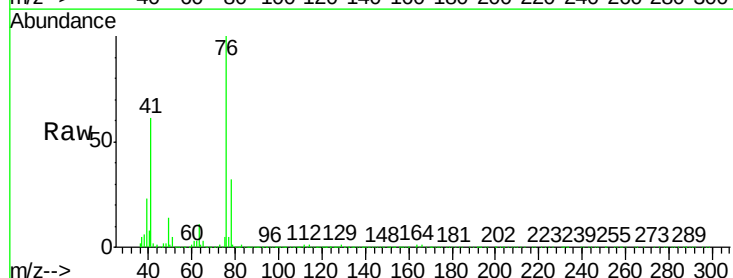
RT: 9.36 min Scan# 1390

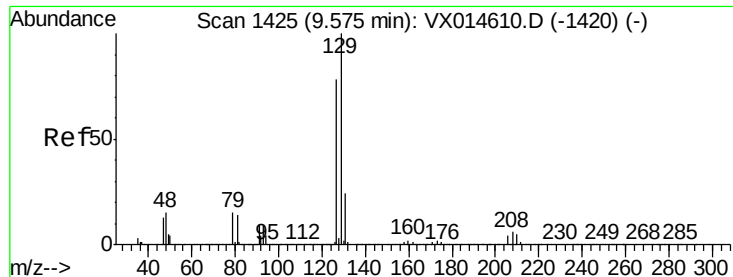
Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	76	Resp:	157631
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	63.4





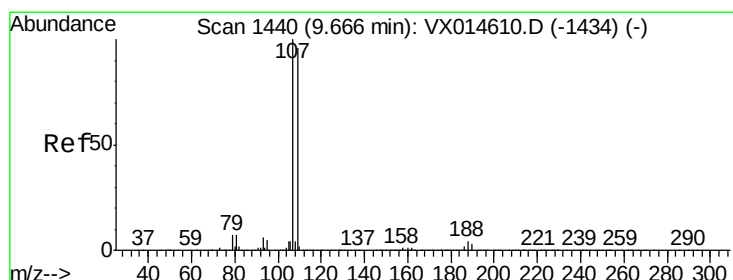
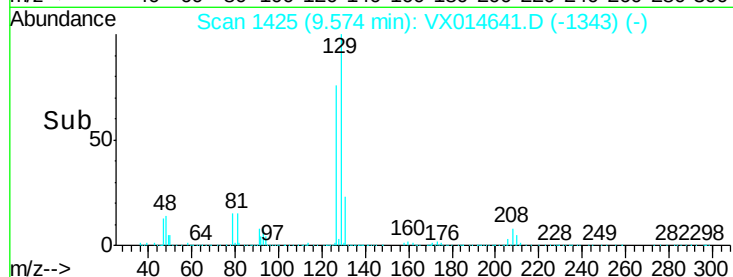
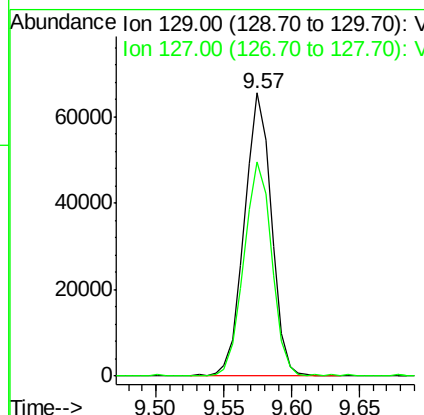
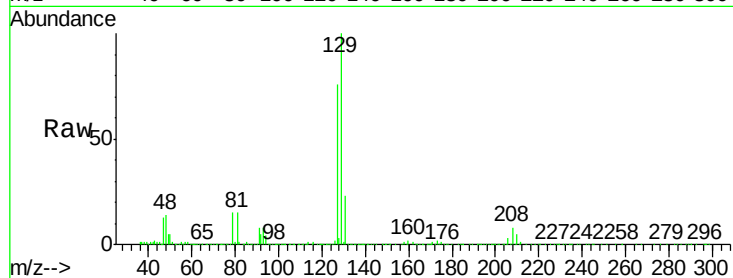
#53
 Dibromochloromethane
 Concen: 18.408 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.4	39.1	117.5	

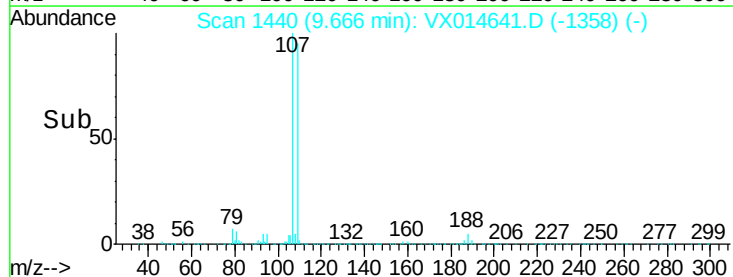
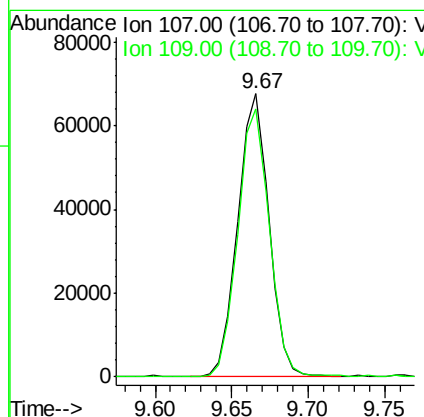
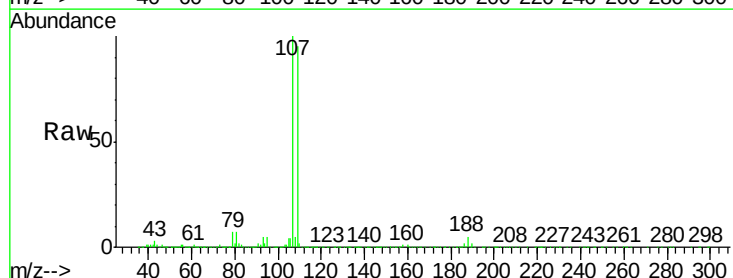
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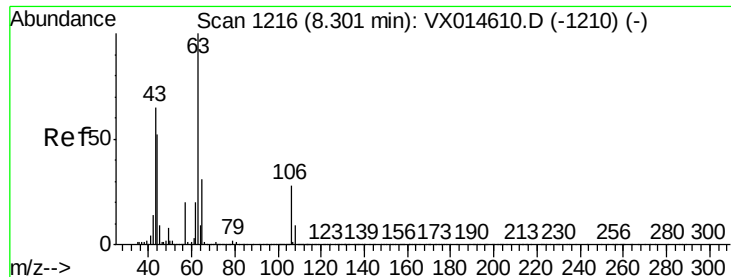
MMDadoda
 1/17/2020 11:24:00 AM



#54
 1,2-Dibromoethane
 Concen: 18.888 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.1	77.2	115.8	





#55

2-Chloroethyl vinyl ether

Concen: 93.768 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

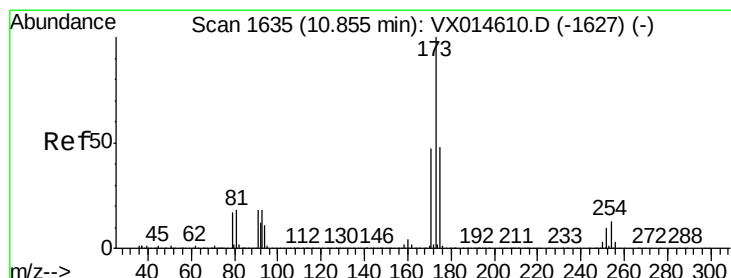
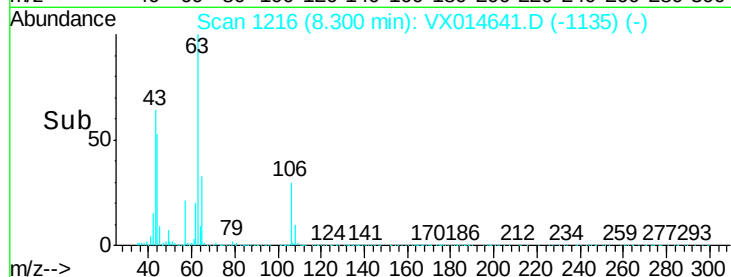
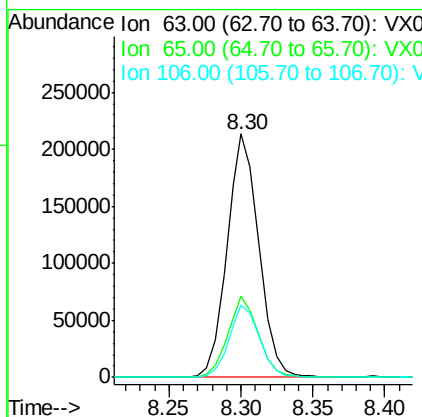
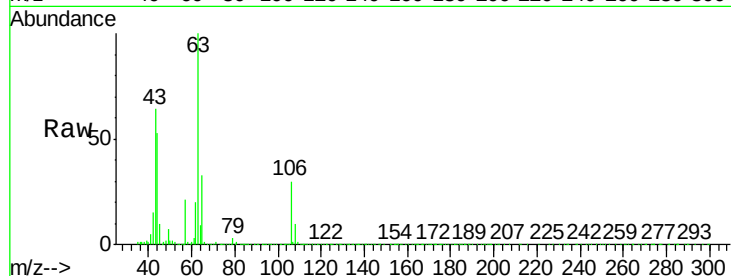
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	327743
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.8	38.6
106	29.0	22.9	34.3

Manual Integrations
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#56

Bromoform

Concen: 17.871 ug/l

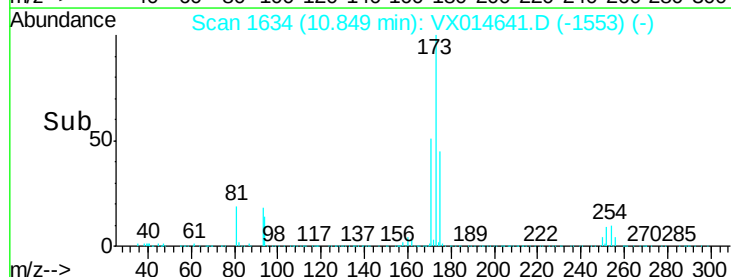
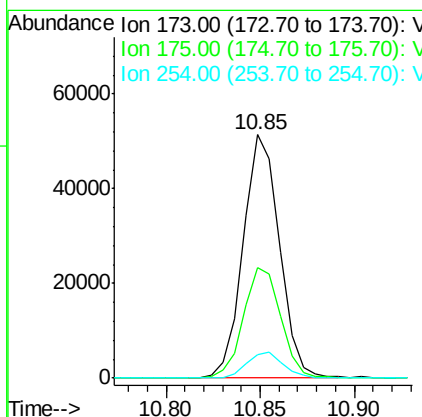
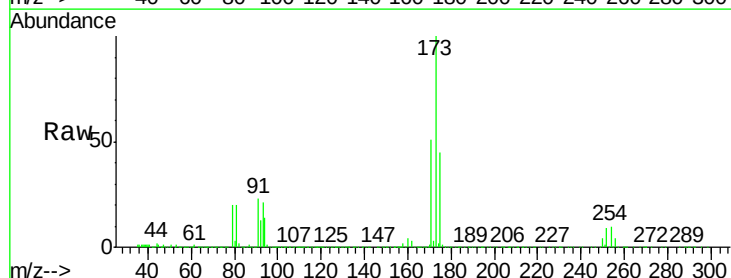
RT: 10.85 min Scan# 1634

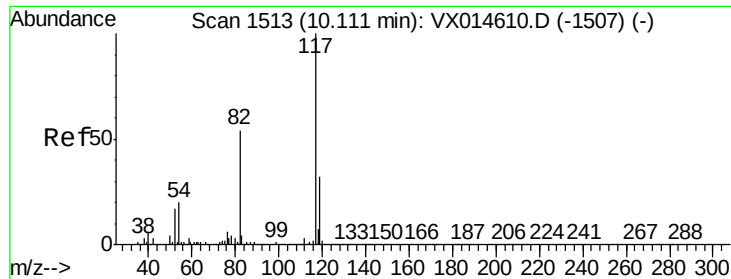
Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	173	Resp:	68773
Ion	Ratio	Lower	Upper
173	100		
175	46.8	39.5	59.3
254	10.7	8.2	12.4





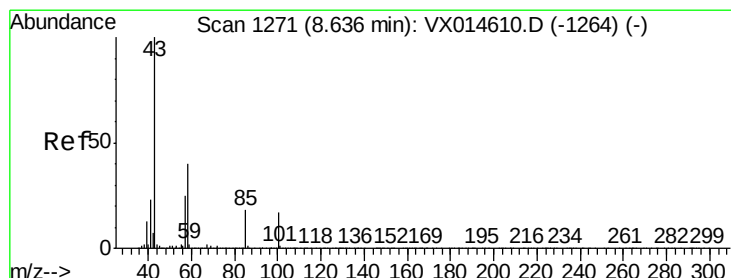
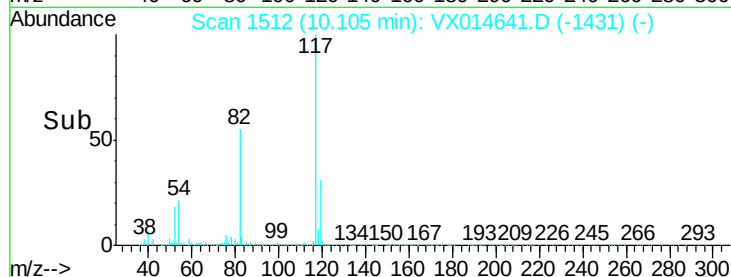
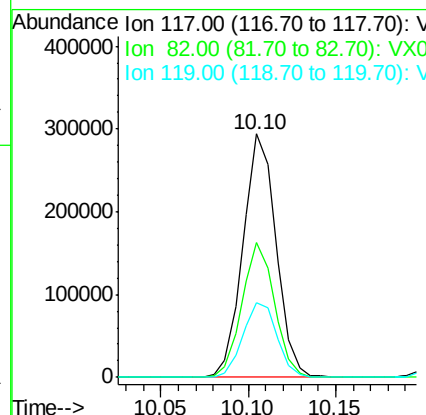
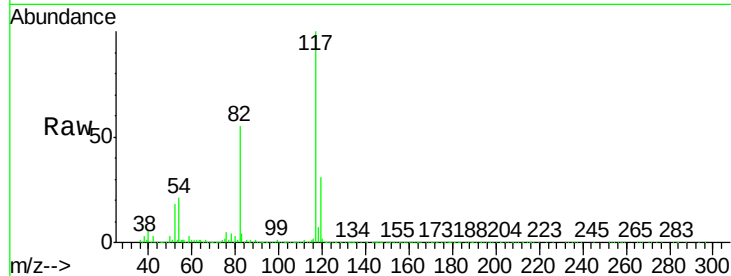
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.3	43.8	65.6
119	31.8	25.8	38.6

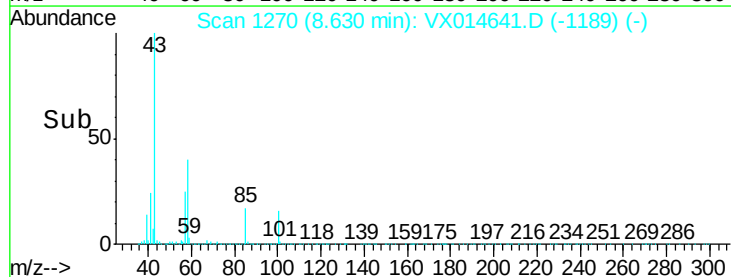
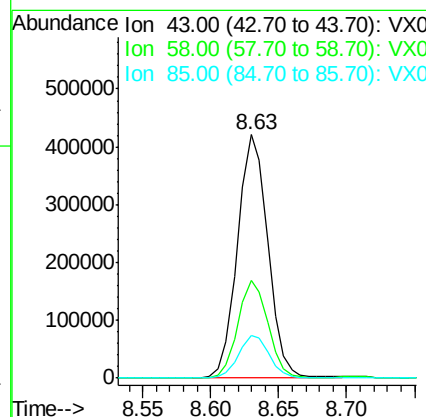
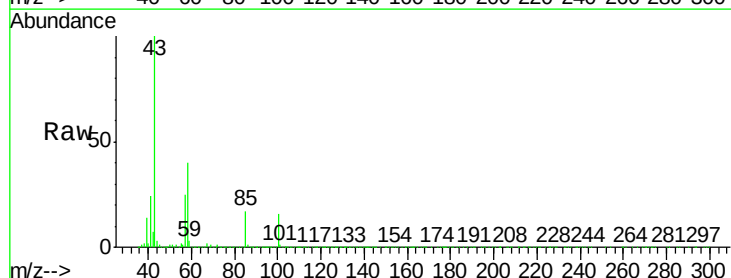
Manual Integrations
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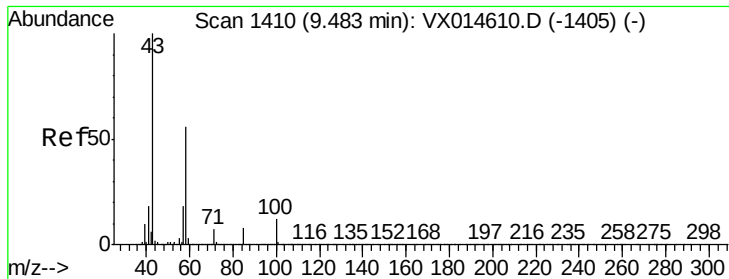
MMDadoda
1/17/2020 11:24:00 AM



#58
4-Methyl-2-Pentanone
Concen: 90.233 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.9	31.2	46.8
85	17.5	14.2	21.2





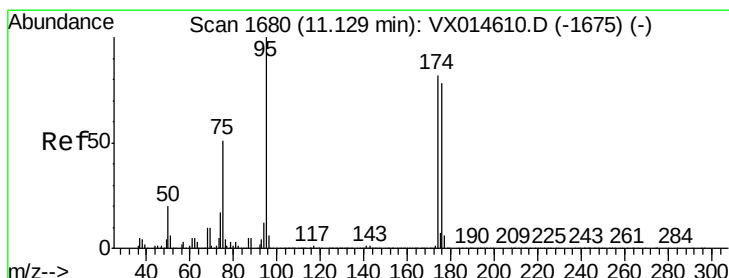
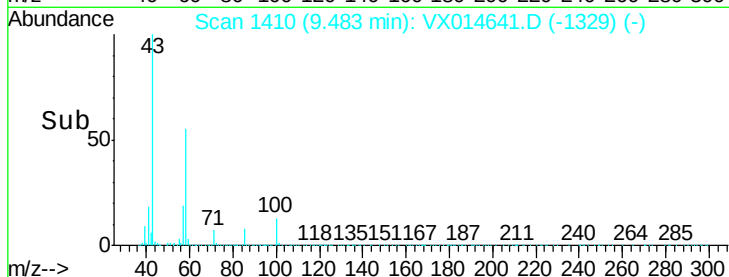
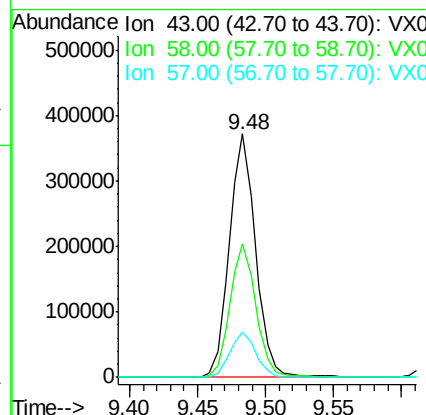
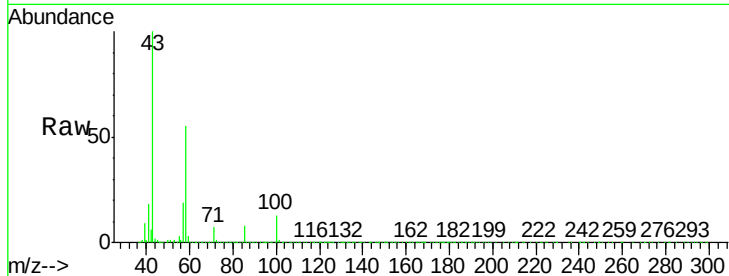
#59
2-Hexanone
Concen: 88.187 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.8	65.6
57	18.6	15.4	23.0

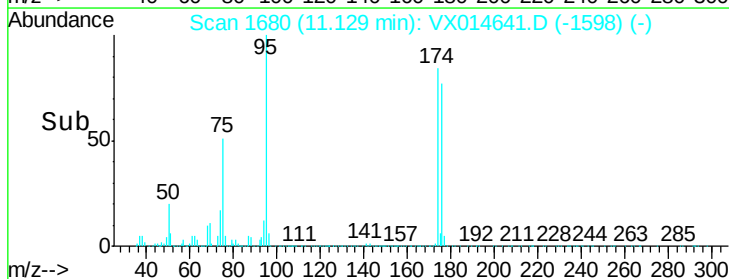
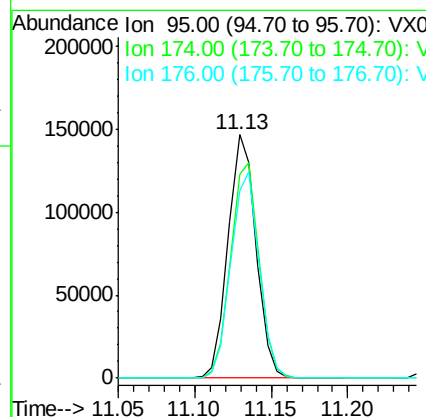
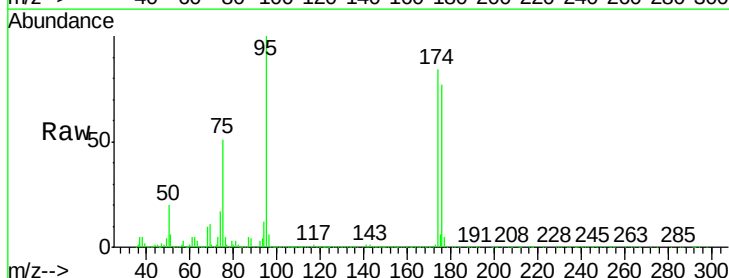
Manual Integrations
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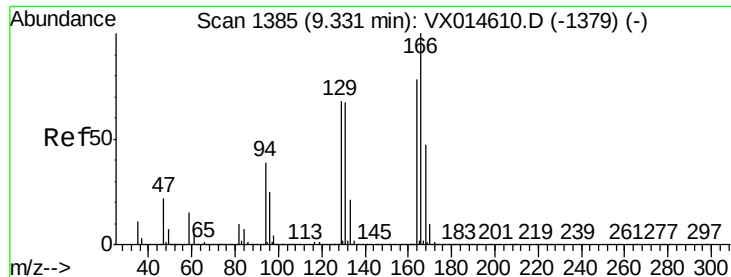
MMDadoda
1/17/2020 11:24:00 AM



#60
4-Bromofluorobenzene
Concen: 30.047 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	70.2	105.2
176	85.6	68.3	102.5





#61

Tetrachloroethene

Concen: 19.310 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 110263

Ion Ratio Lower Upper

164 100

166 131.7 104.2 156.2

129 89.7 71.6 107.4

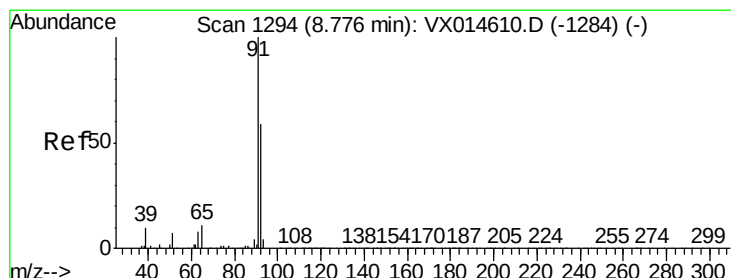
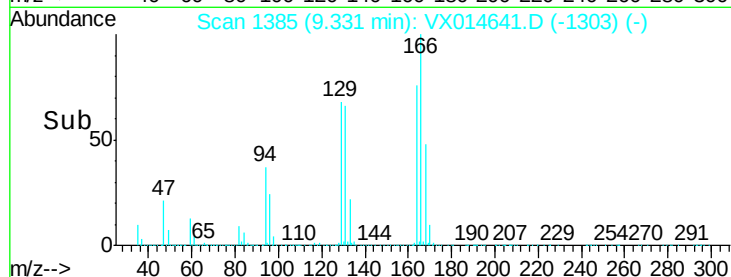
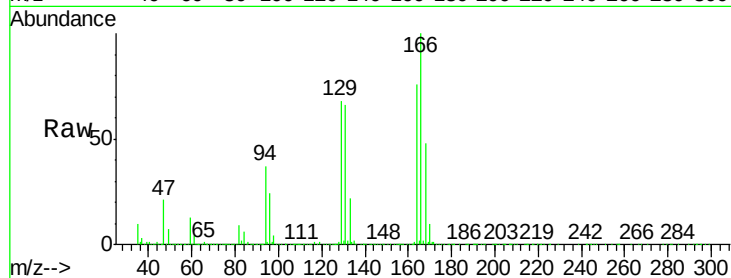
131 86.5 71.7 107.5

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#62

Toluene

Concen: 19.330 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014641.D

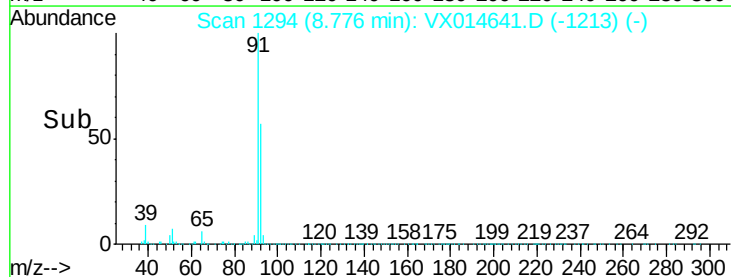
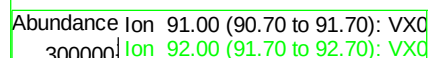
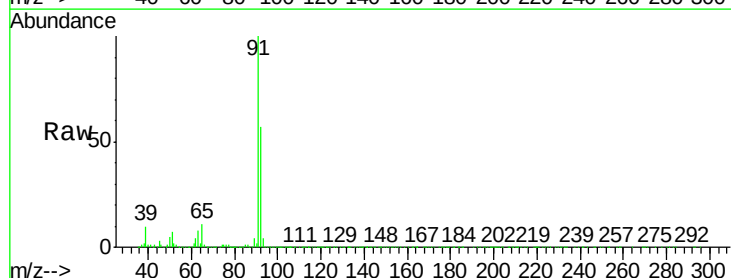
Acq: 16 Jan 2020 16:54

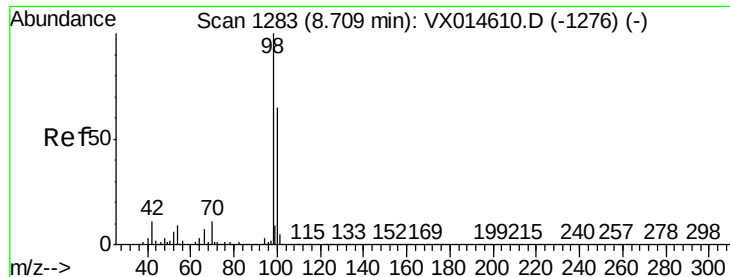
Tgt Ion: 91 Resp: 396188

Ion Ratio Lower Upper

91 100

92 57.4 46.4 69.6





#63

Toluene-d8

Concen: 30.334 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 529333

Ion Ratio Lower Upper

98 100

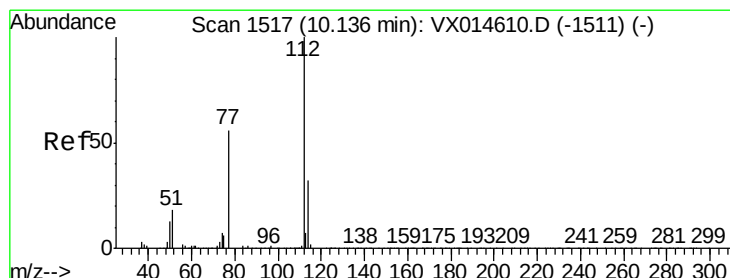
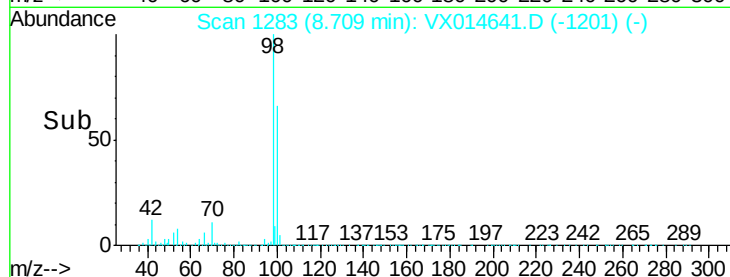
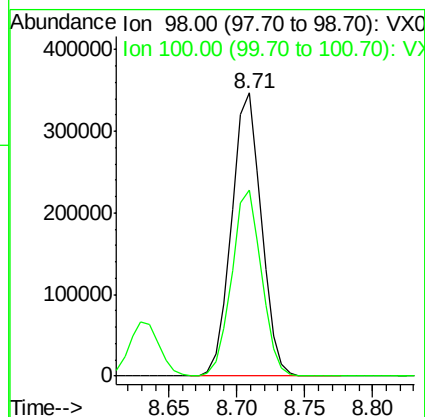
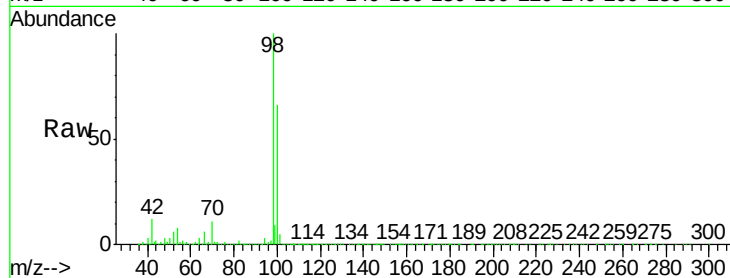
100 65.6 52.2 78.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.064 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014641.D

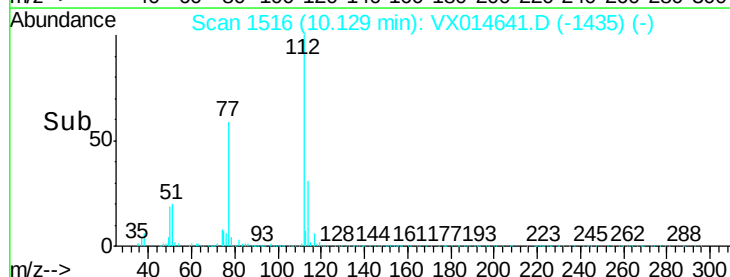
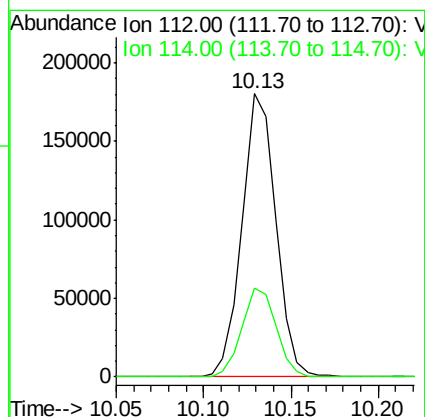
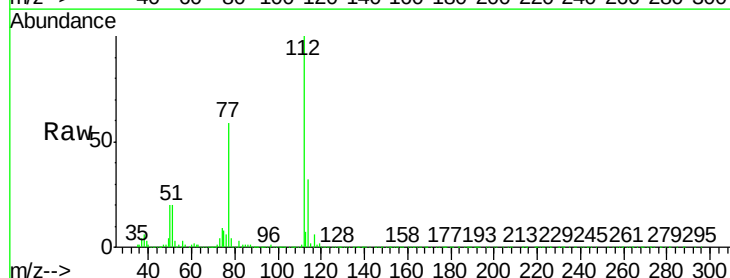
Acq: 16 Jan 2020 16:54

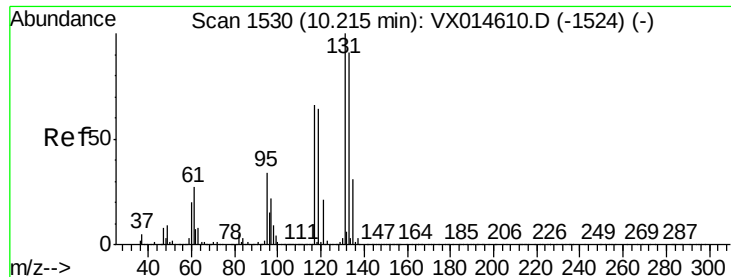
Tgt Ion: 112 Resp: 243922

Ion Ratio Lower Upper

112 100

114 31.5 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 18.930 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

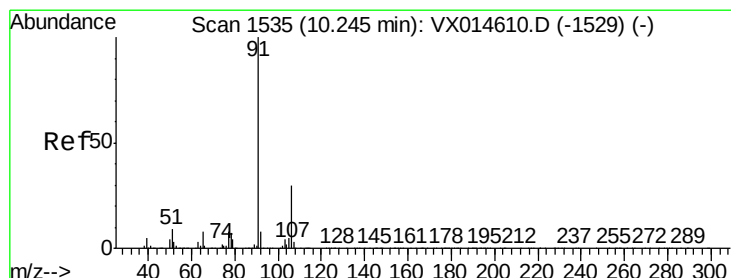
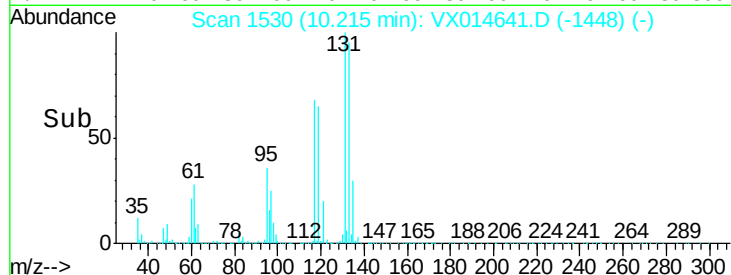
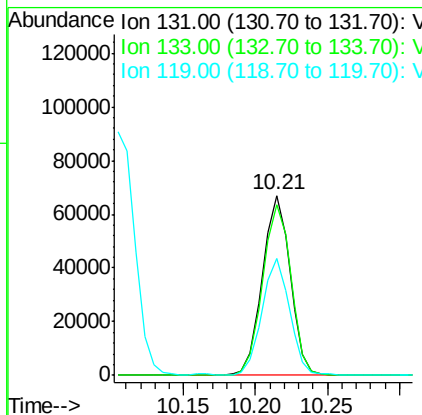
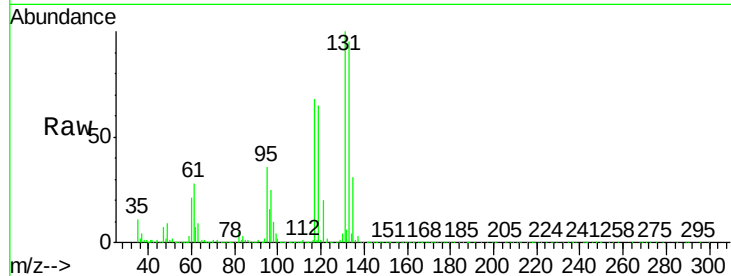
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	89459
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	189.8
119	64.4	0.0	132.2

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#66

Ethyl Benzene

Concen: 19.308 ug/l

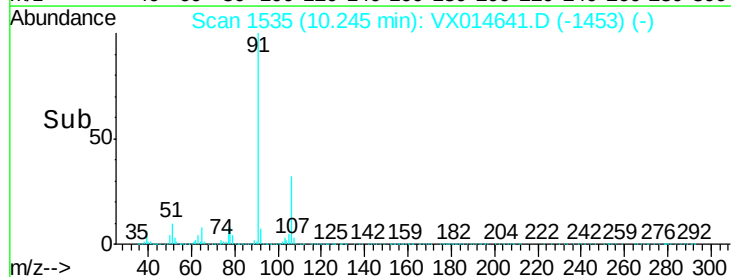
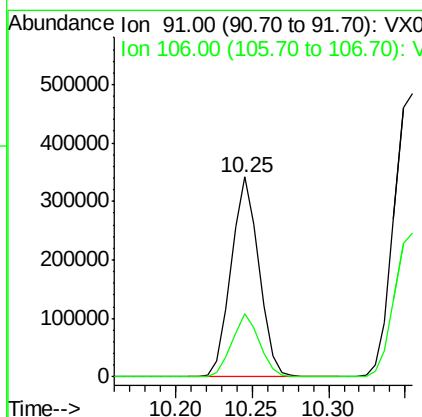
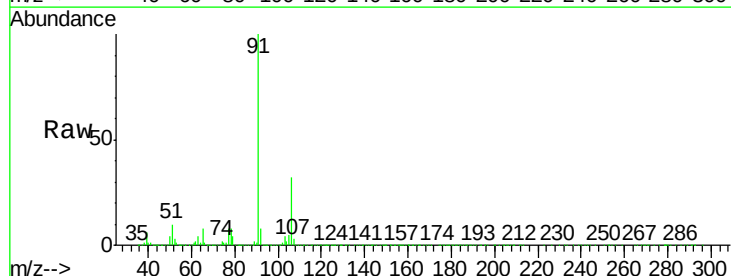
RT: 10.25 min Scan# 1535

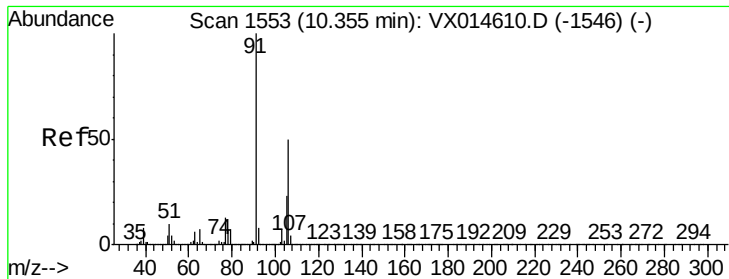
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	91	Resp:	431040
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.2	36.2





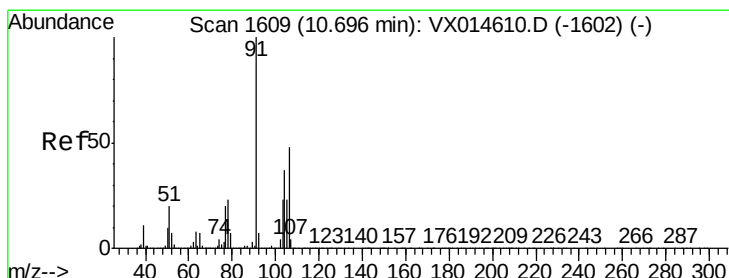
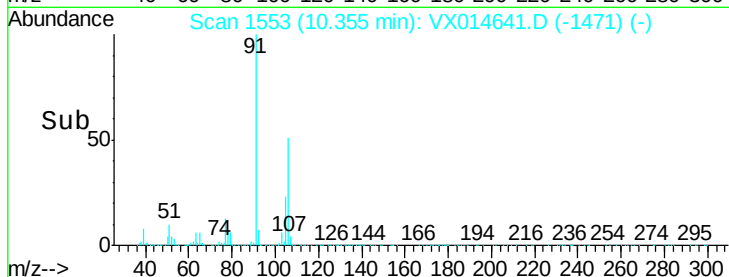
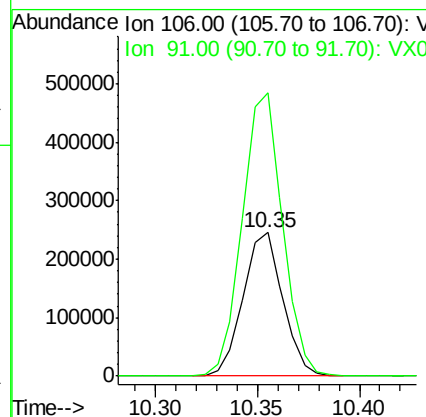
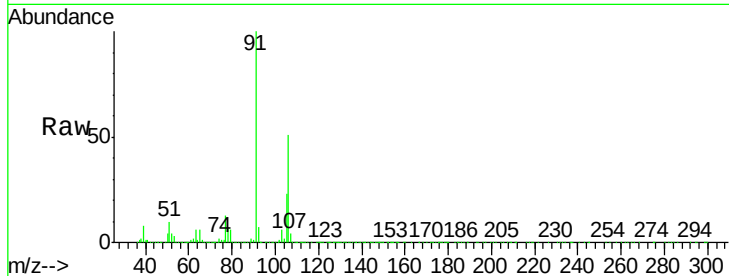
#67
m/p-Xylenes
Concen: 38.637 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.0	159.3	238.9

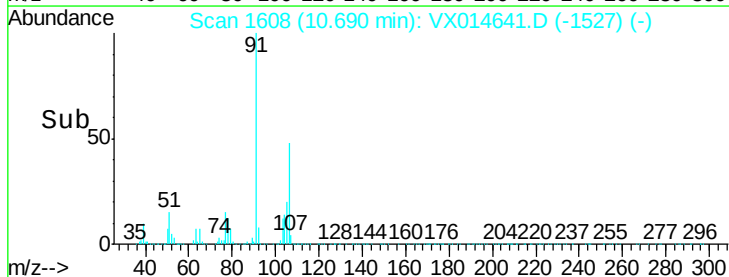
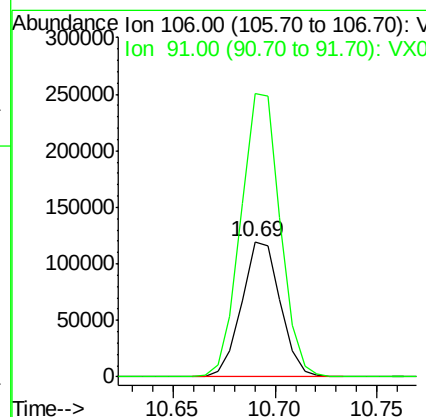
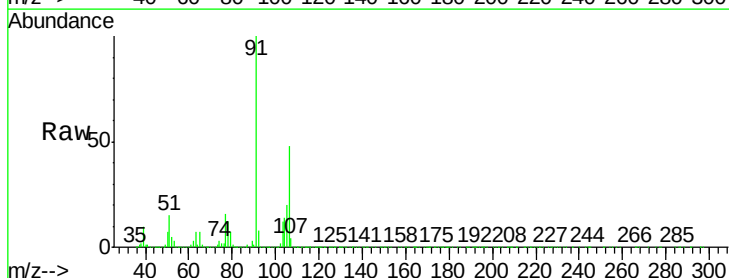
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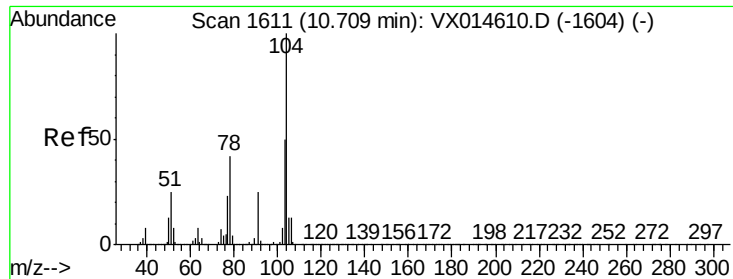
MMDadoda
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#68
o-Xylene
Concen: 18.956 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.7	104.8	314.6





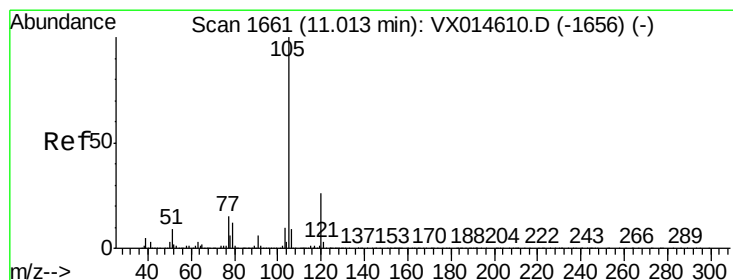
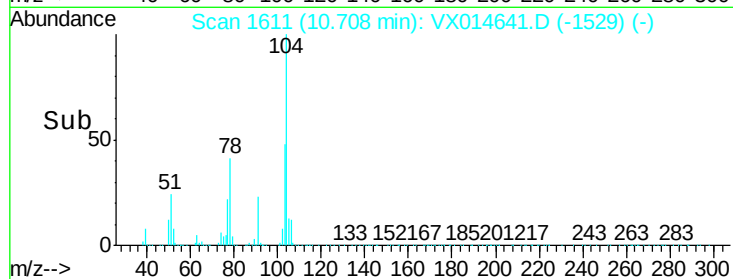
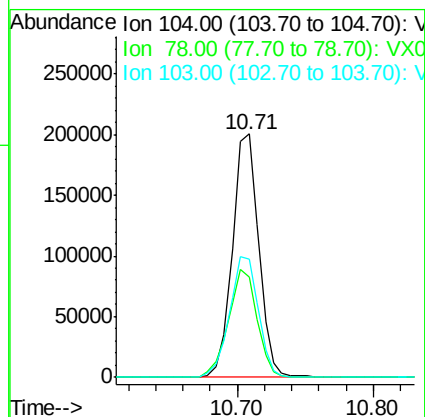
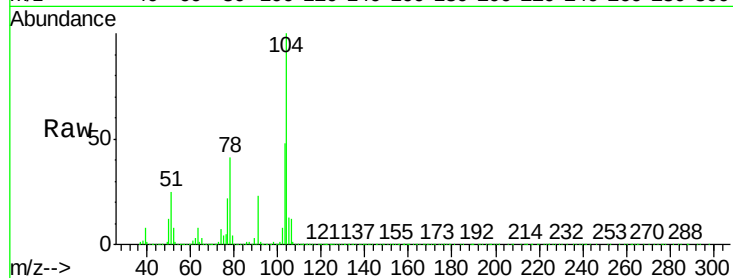
#69
Stvrene
Concen: 19.049 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.9	58.3
103	54.1	44.2	66.2

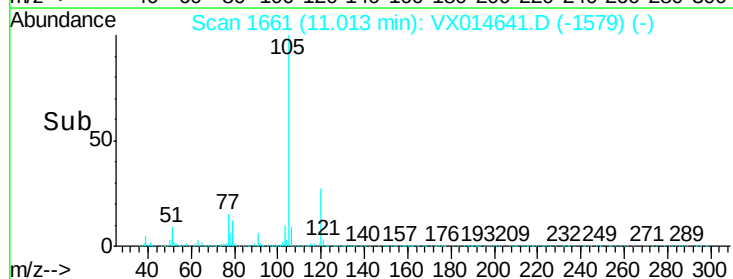
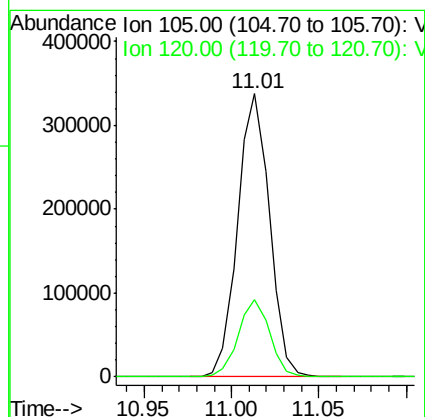
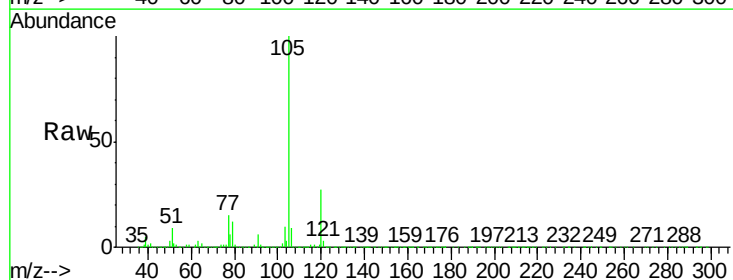
Manual Integrations
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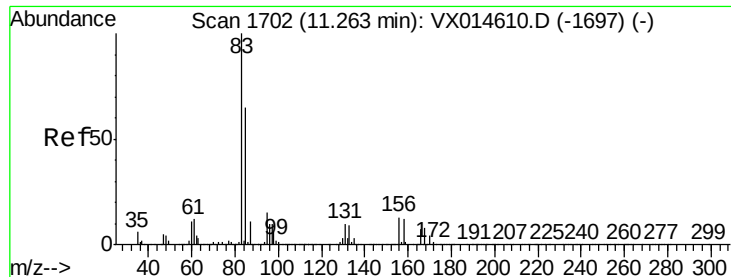
MMDadoda
1/17/2020 11:24:00 AM



#70
Isopropylbenzene
Concen: 19.602 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 18.116 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

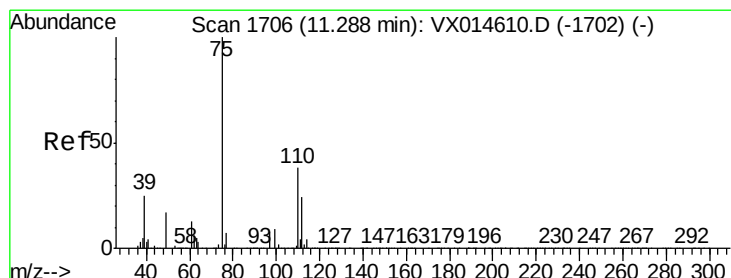
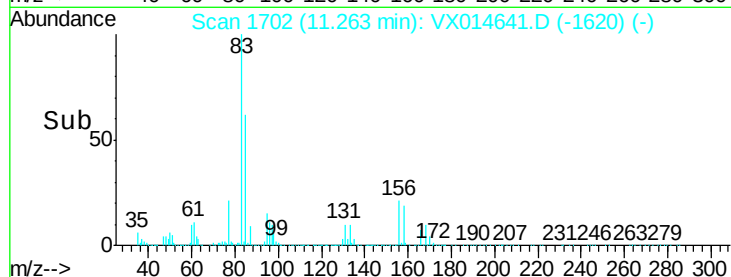
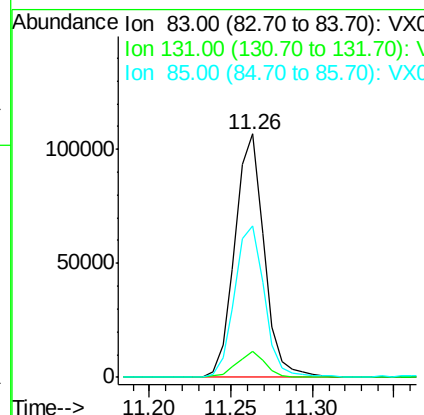
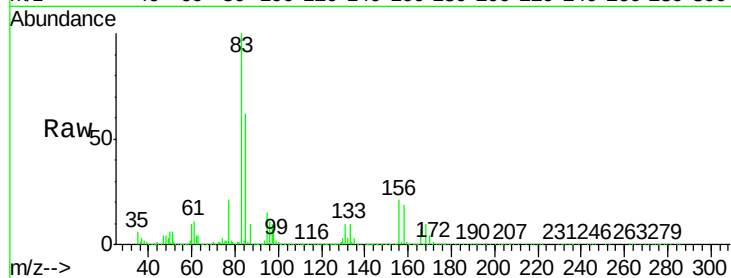
ClientSampled :

VSTDCCC020EC

Tot Ion:	83	Resp:	133126
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	64.4	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 18.340 ug/l m

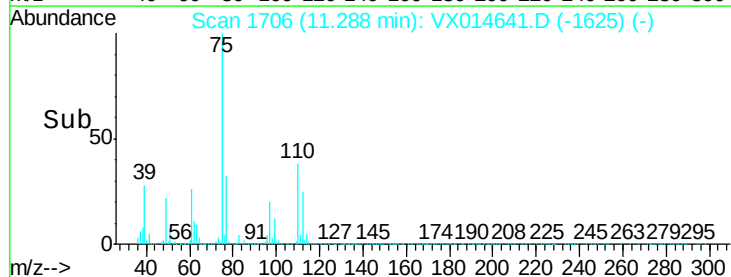
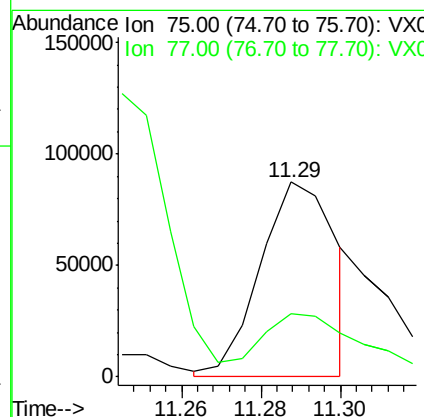
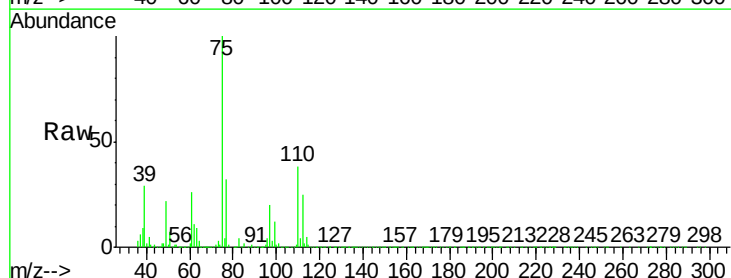
RT: 11.29 min Scan# 1706

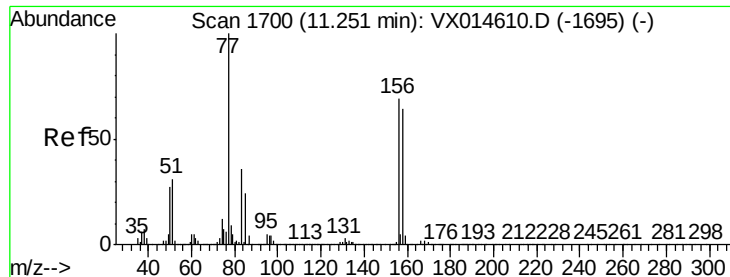
Delta R.T. -0.01 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	75	Resp:	115278
Ion Ratio	Lower	Upper	
75	100		
77	41.5	0.0	68.4





#73

Bromobenzene

Concen: 19.034 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

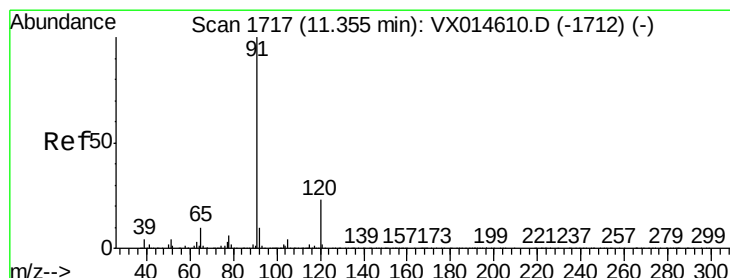
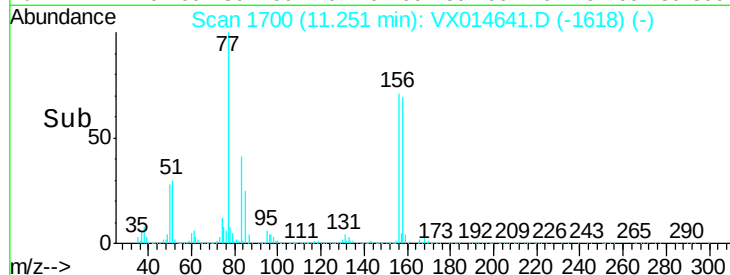
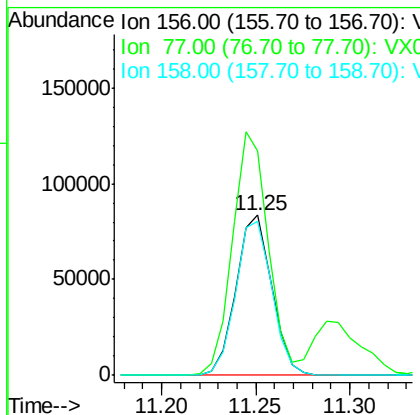
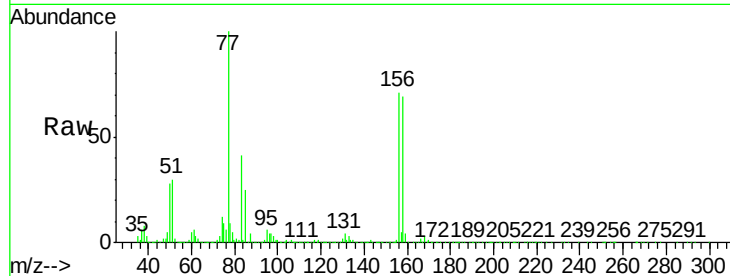
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	110074
Ion Ratio	Lower	Upper	
156	100		
77	150.4	0.0	304.6
158	97.2	0.0	195.2

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#74

n-propylbenzene

Concen: 19.700 ug/l

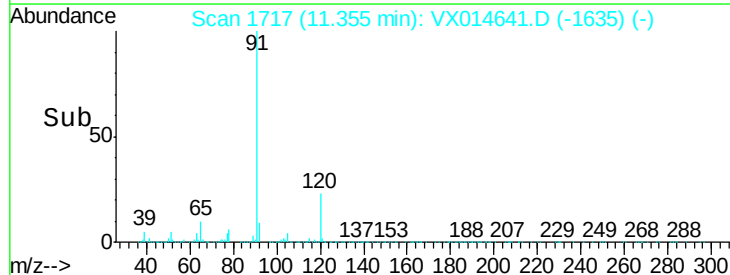
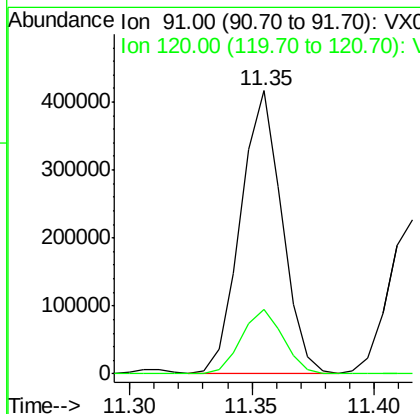
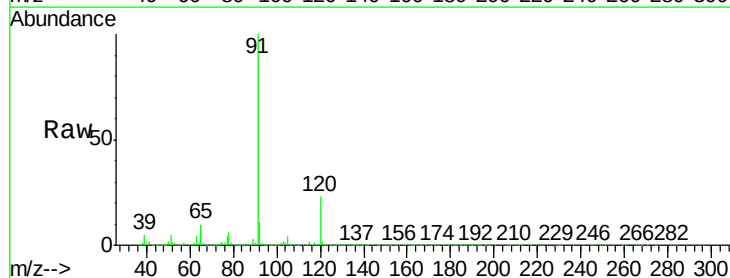
RT: 11.35 min Scan# 1717

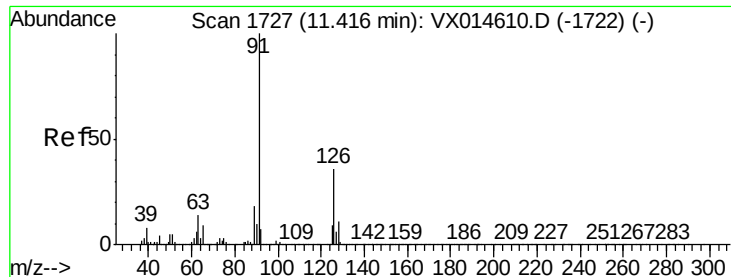
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	91	Resp:	491078
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	44.8





#75

2-Chlorotoluene

Concen: 19.092 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 285239

Ion Ratio Lower Upper

91 100

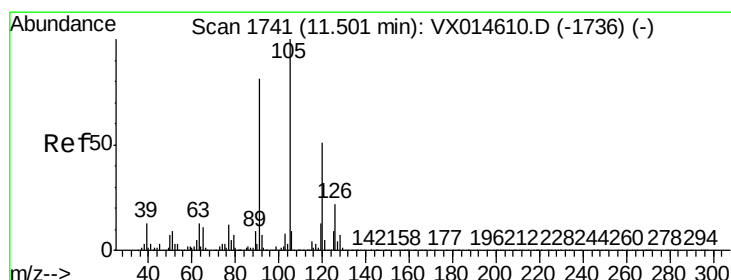
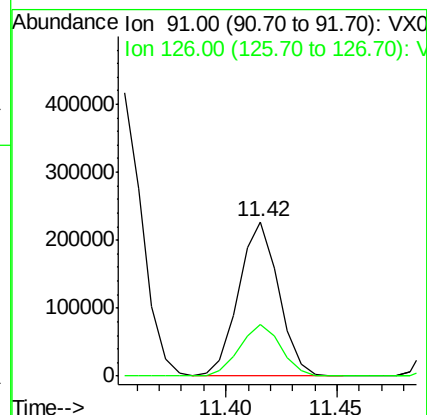
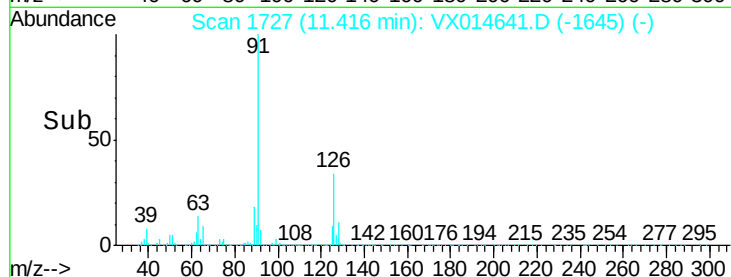
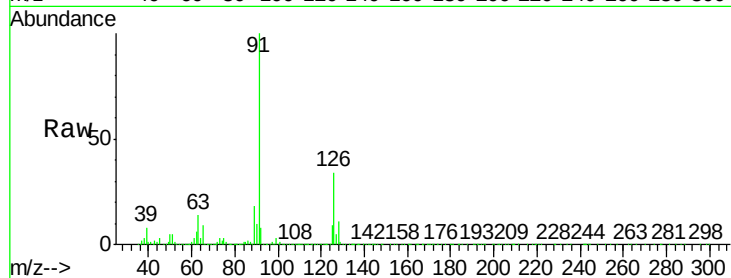
126 34.2 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.510 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014641.D

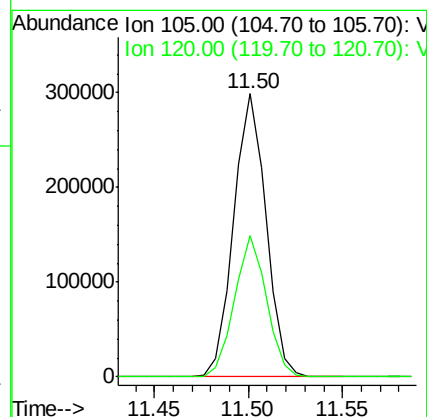
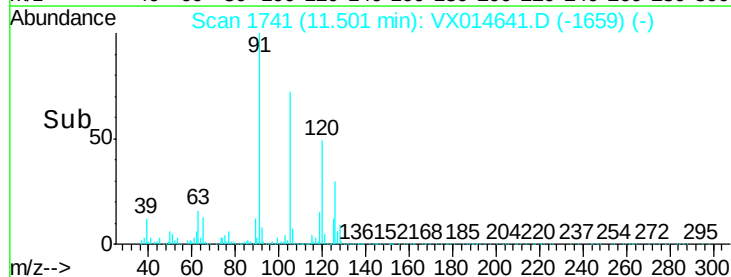
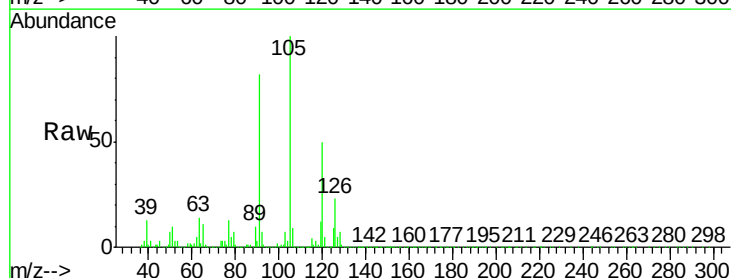
Acq: 16 Jan 2020 16:54

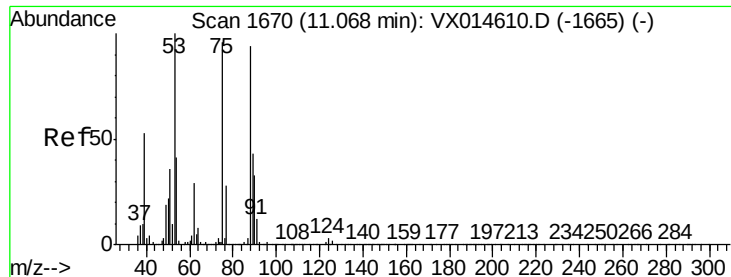
Tgt Ion: 105 Resp: 354642

Ion Ratio Lower Upper

105 100

120 49.4 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.115 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

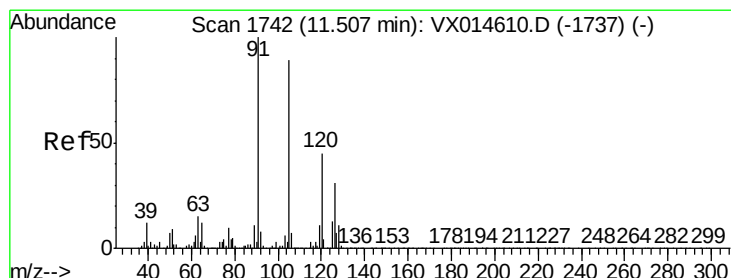
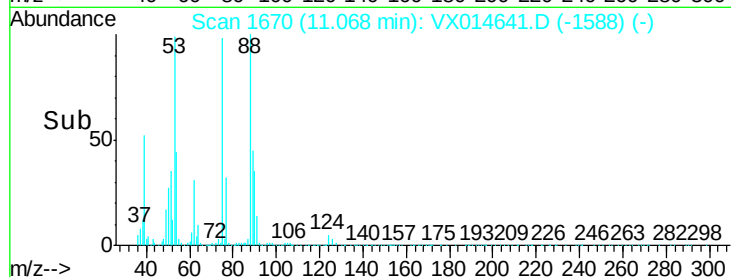
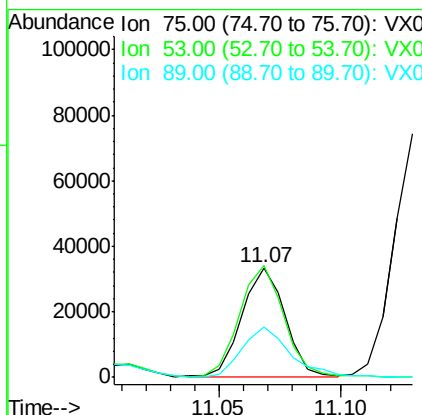
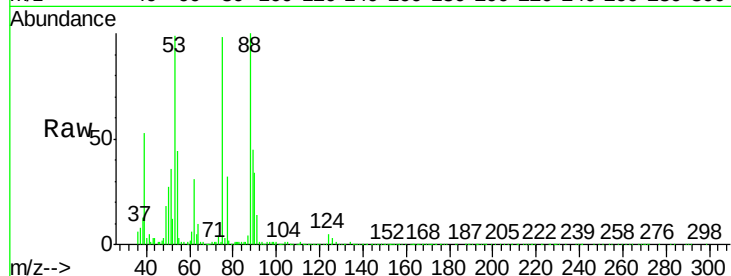
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	41405
Ion	Ratio	Lower	Upper
75	100		
53	102.2	54.4	163.1
89	45.9	21.9	65.5

Manual Integrations
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1/17/2020 11:24:00 AM



#78

4-Chlorotoluene

Concen: 19.353 ug/l

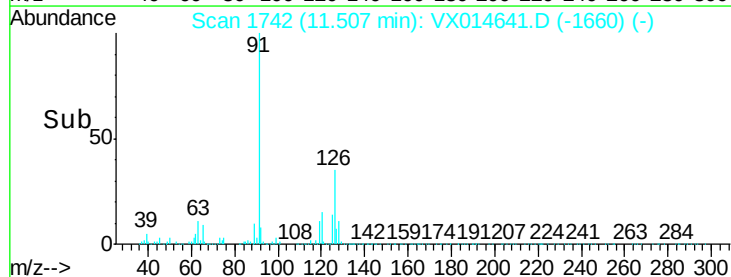
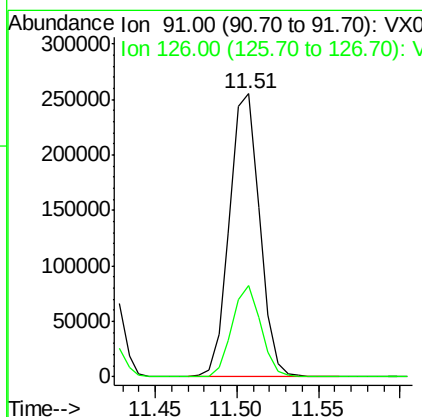
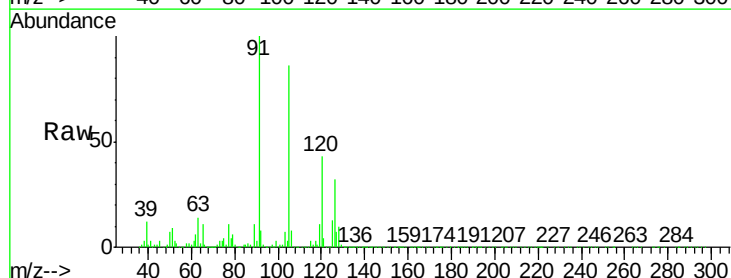
RT: 11.51 min Scan# 1742

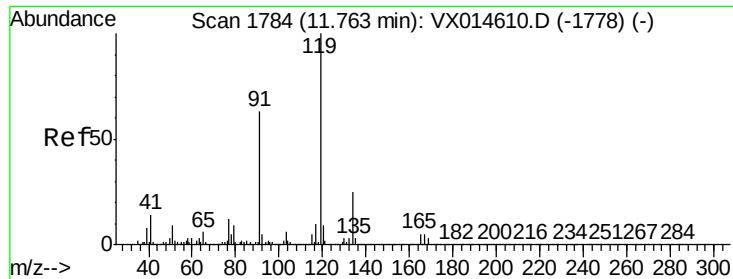
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	91	Resp:	328364
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	59.6





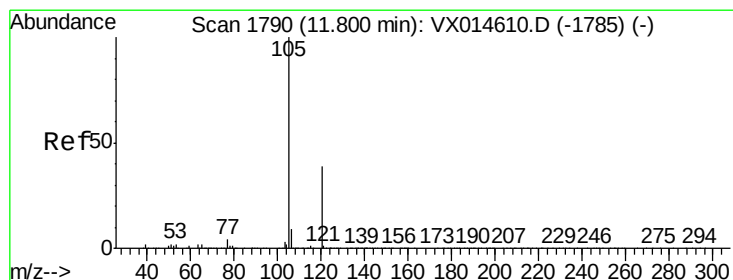
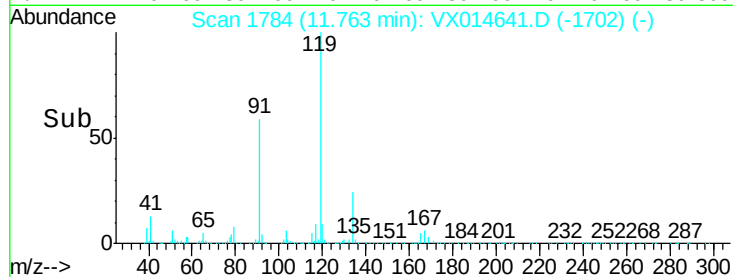
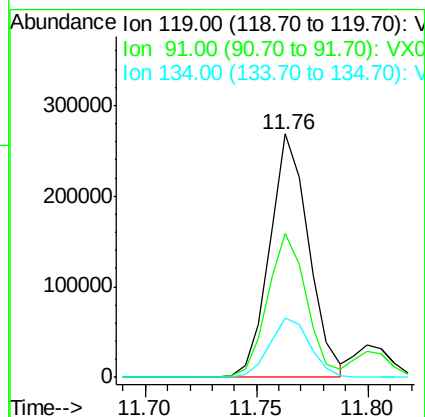
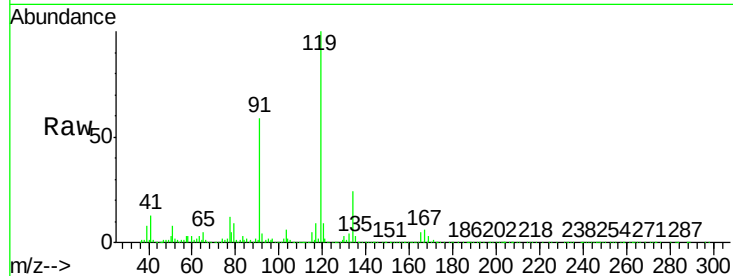
#79
tert-butylbenzene
Concen: 19.249 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	327397		
91	58.6	0.0	112.6	
134	24.8	0.0	49.8	

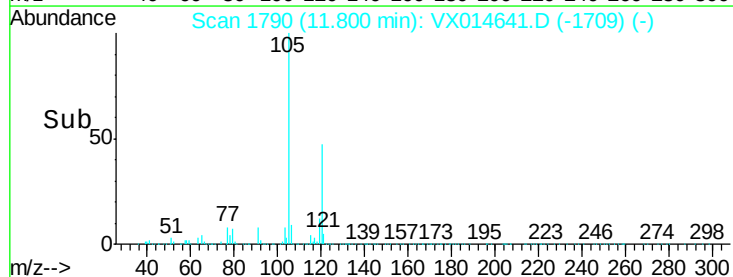
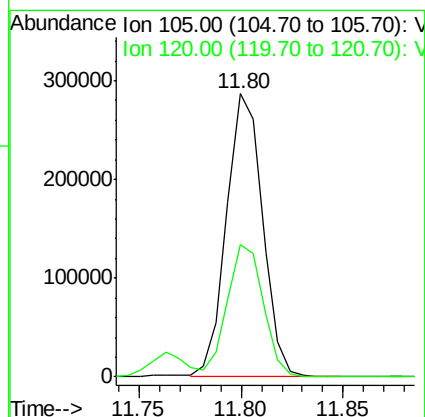
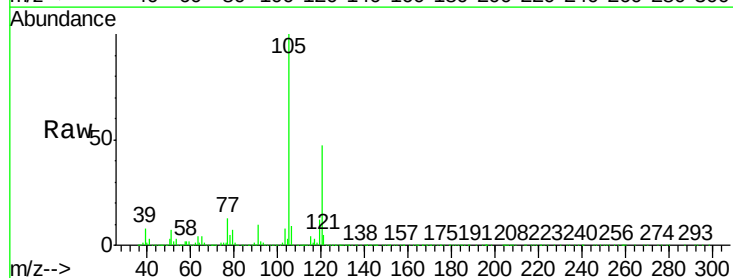
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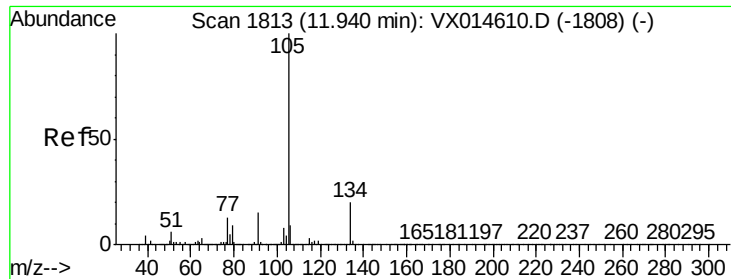
MMDadoda
1/17/2020 11:24:00 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.288 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349706		
120	46.8	0.0	92.0	





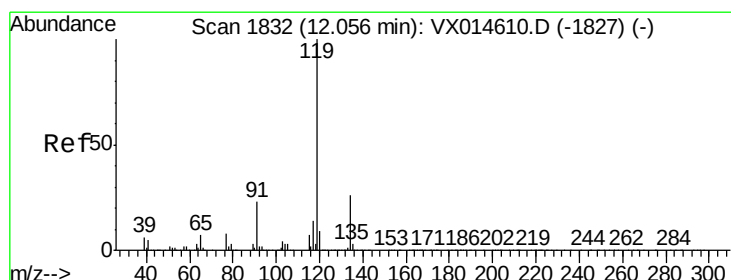
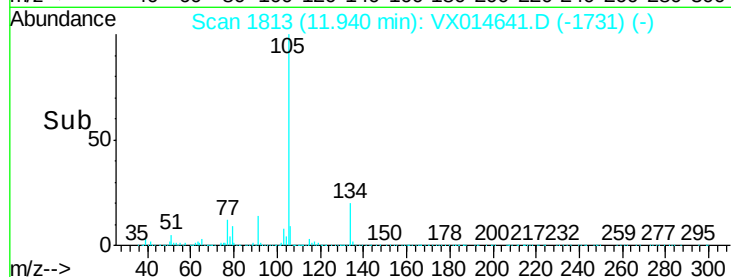
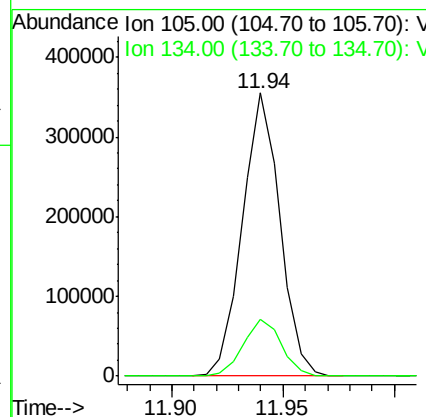
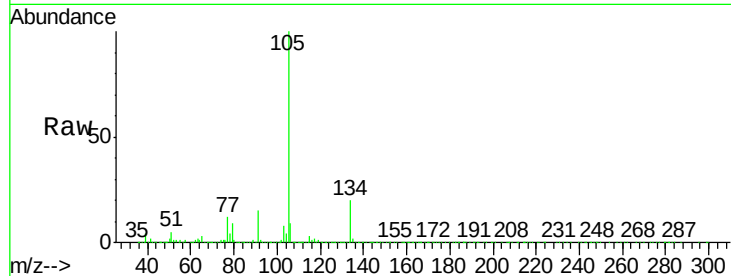
#81
 sec-Butylbenzene
 Concen: 19.743 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	415522		
134	20.5	0.0	40.2	

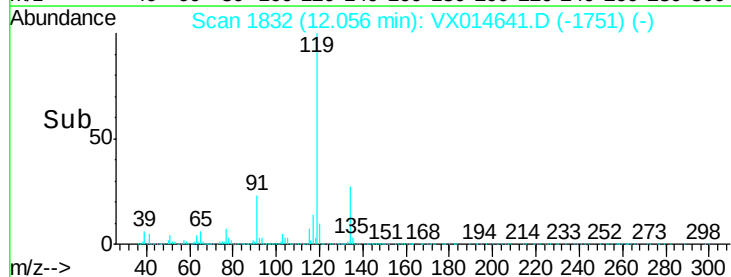
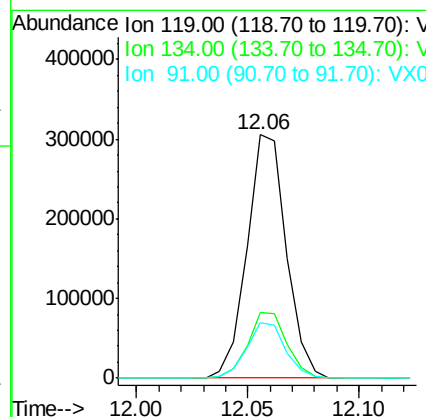
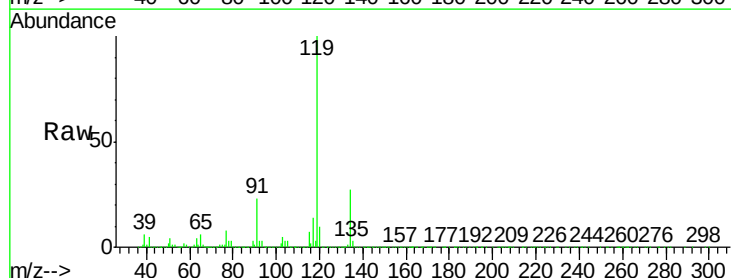
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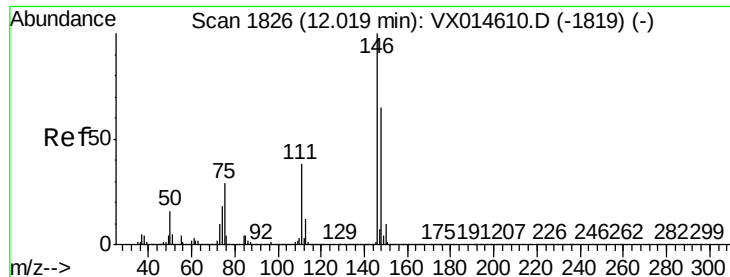
MMDadoda
 1/17/2020 11:24:00 AM



#82
 p-Isopropyltoluene
 Concen: 19.565 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	375919		
134	26.9	0.0	53.8	
91	22.5	0.0	45.0	





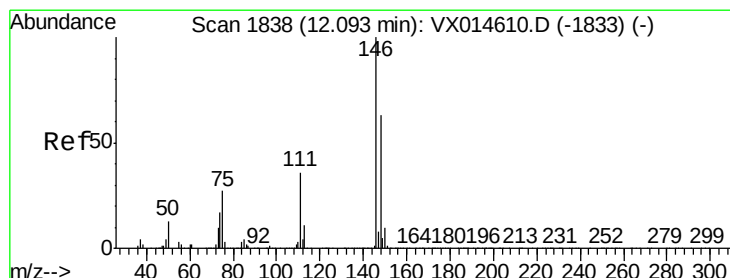
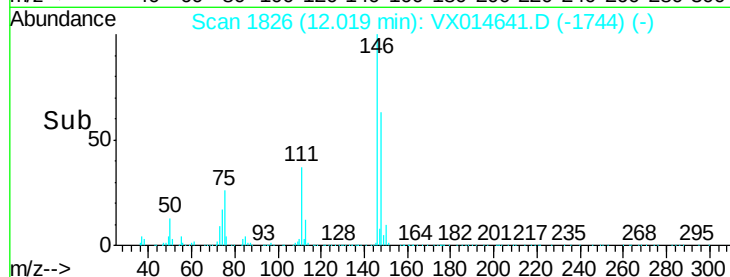
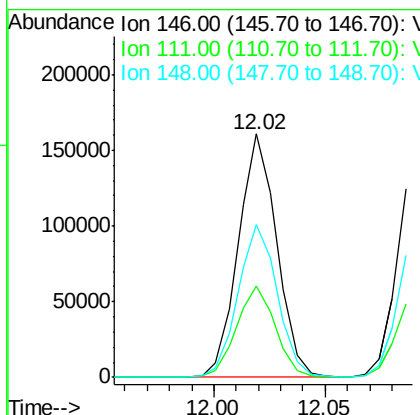
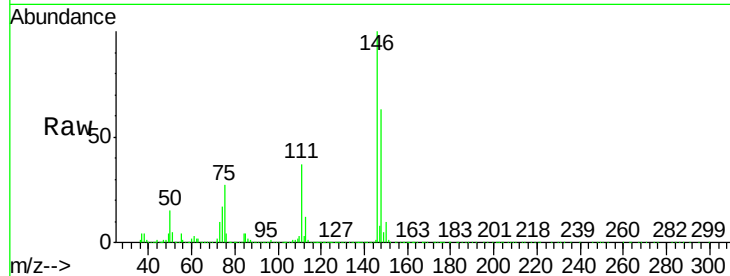
#83
 1,3-Dichlorobenzene
 Concen: 19.174 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	64.0	32.2	96.6

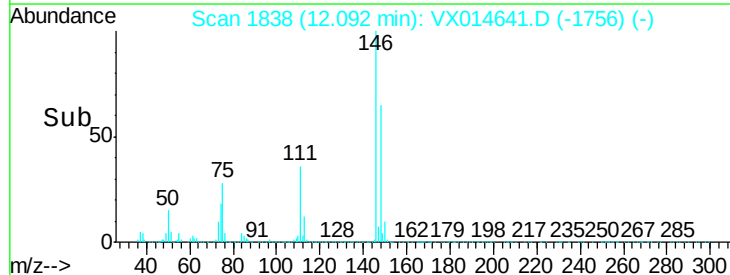
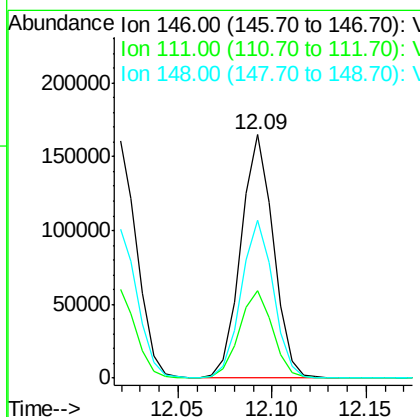
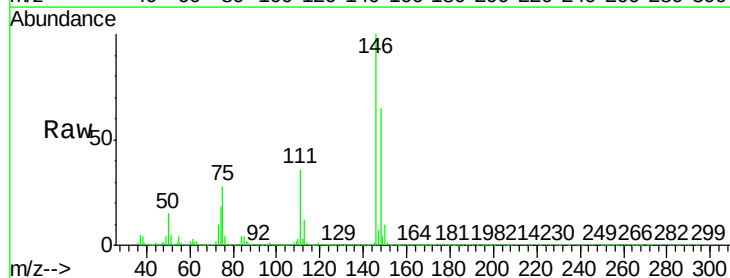
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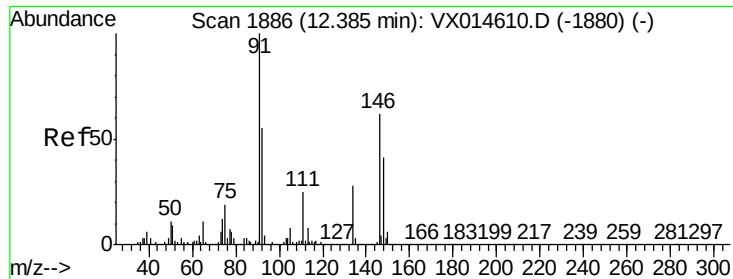
MMDadoda
 1/17/2020 11:24:00 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.683 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014641.D
 Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.4
148	64.7	32.0	96.0





#85

n-Butylbenzene

Concen: 19.528 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Instrument :

MSVOA_X

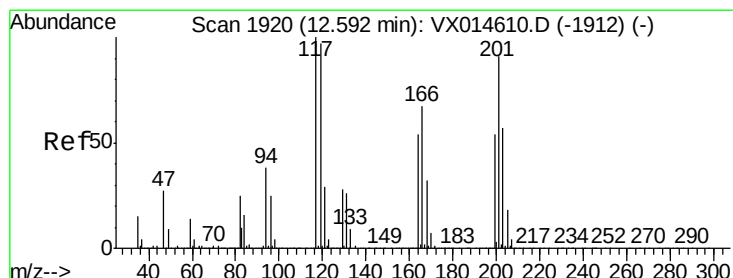
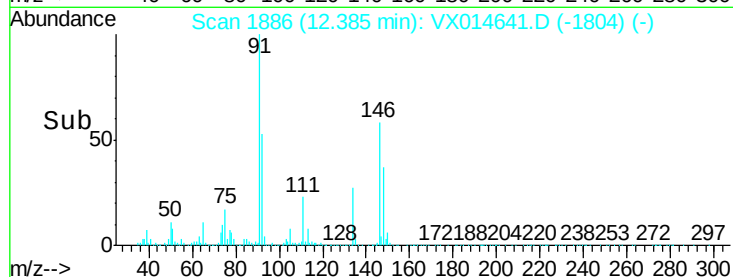
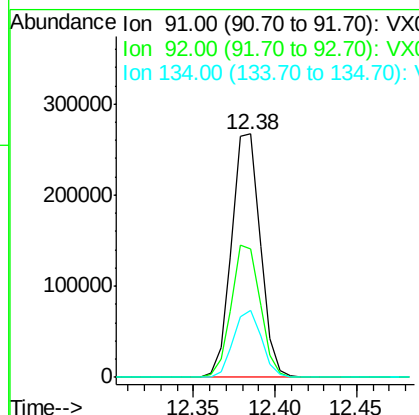
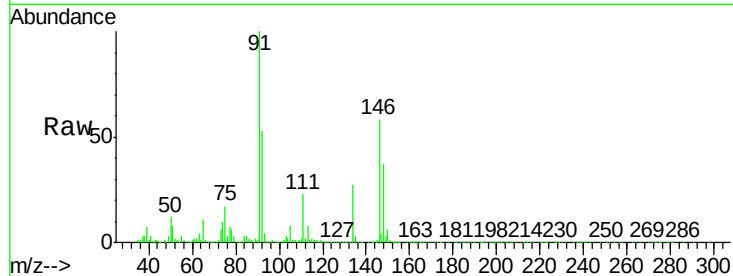
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	328288
Ion Ratio	Lower	Upper	
91	100		
92	54.5	0.0	109.0
134	26.7	0.0	54.0

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#86

Hexachloroethane

Concen: 17.987 ug/l

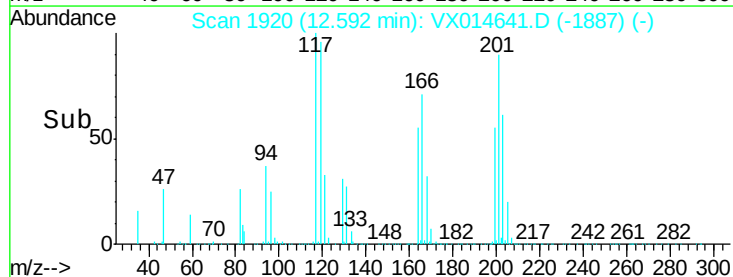
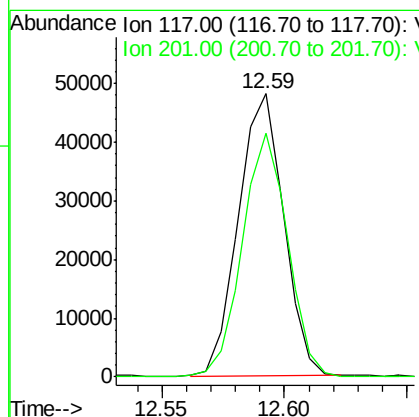
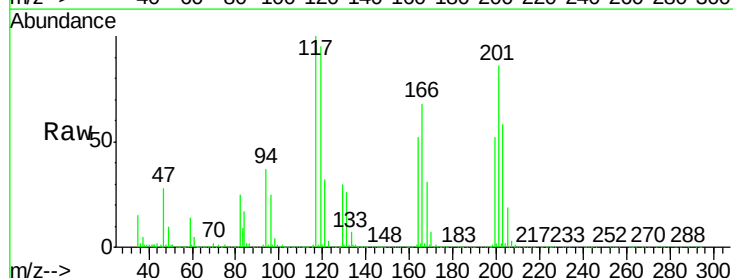
RT: 12.59 min Scan# 1920

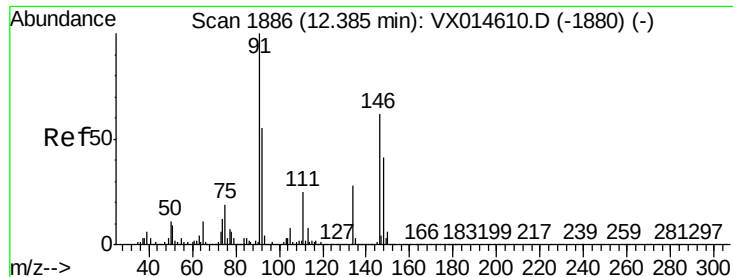
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion:	117	Resp:	61973
Ion Ratio	Lower	Upper	
117	100		
201	86.5	44.8	134.3





#87

1,2-Dichlorobenzene

Concen: 18.867 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014641.D

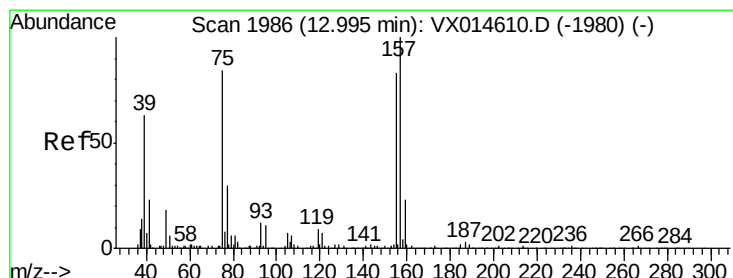
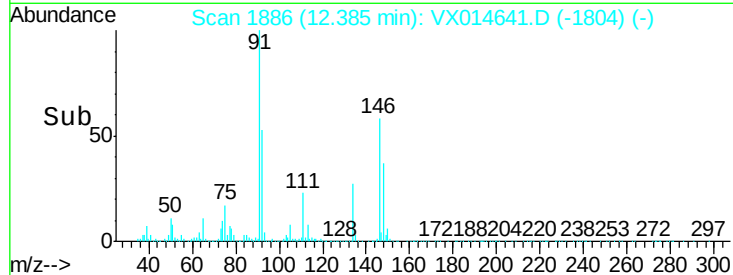
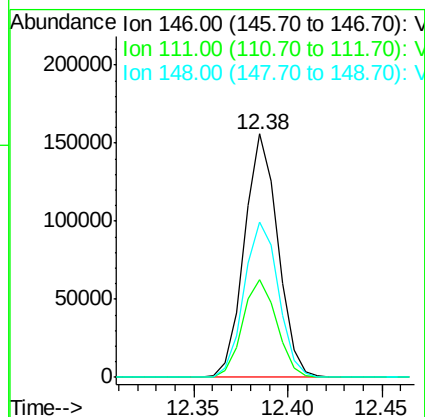
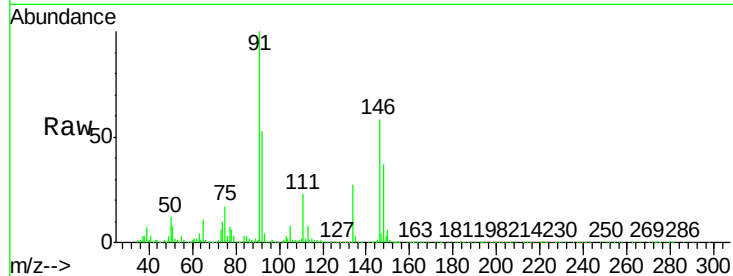
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	65.3	32.0	96.2

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.504 ug/l

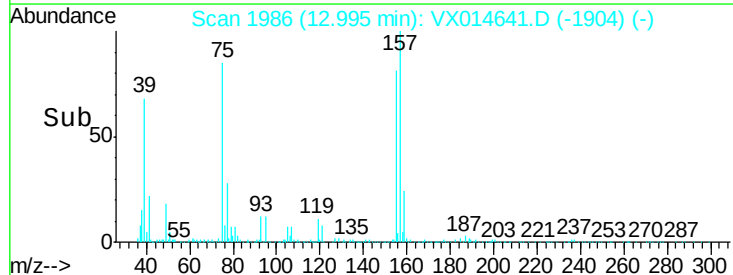
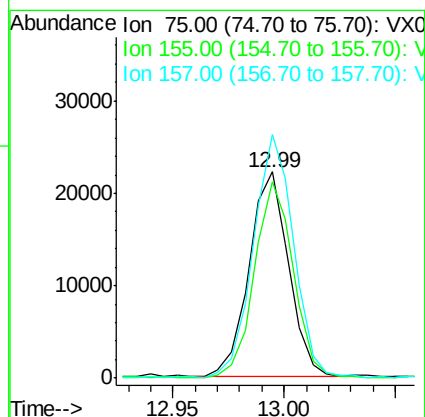
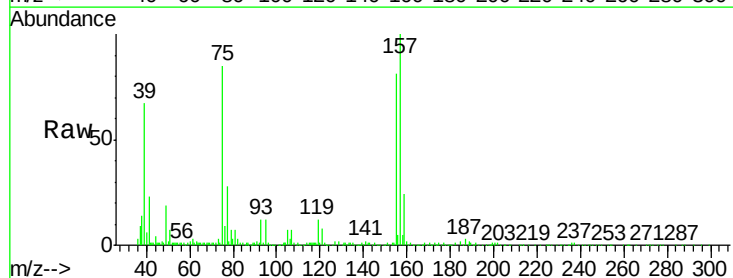
RT: 12.99 min Scan# 1986

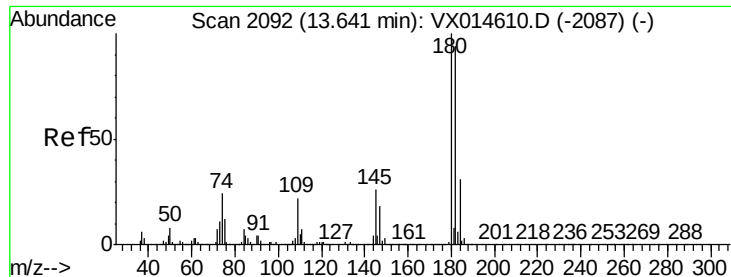
Delta R.T. -0.00 min

Lab File: VX014641.D

Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	73.8	110.6
157	119.8	95.0	142.4





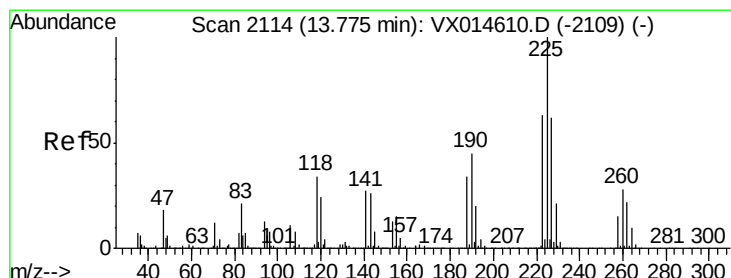
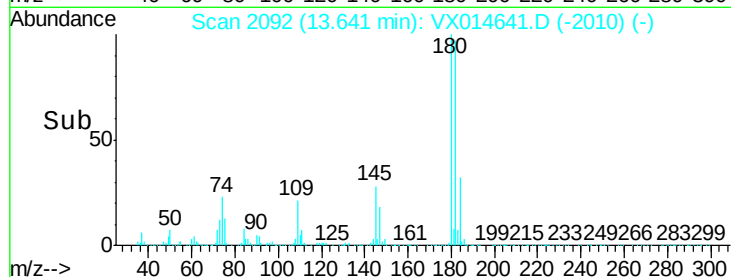
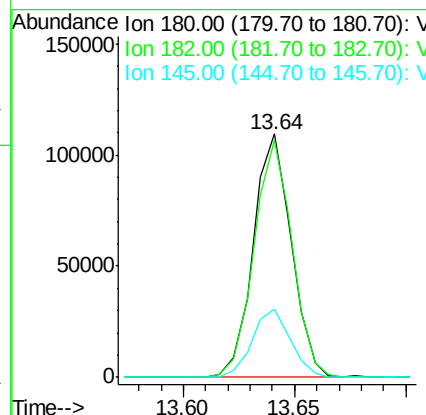
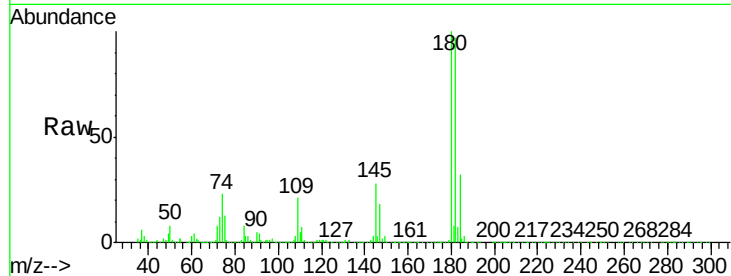
#89
1,2,4-Trichlorobenzene
Concen: 19.392 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.4	114.6
145	28.2	21.9	32.9

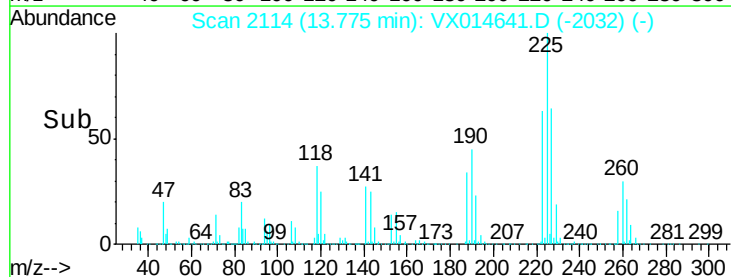
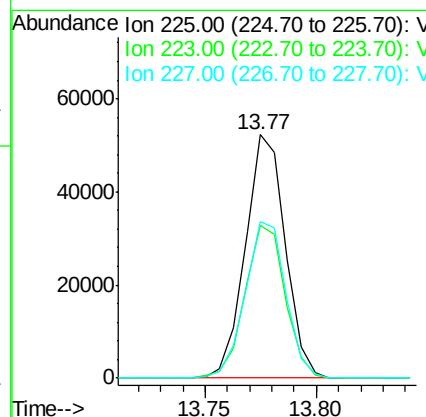
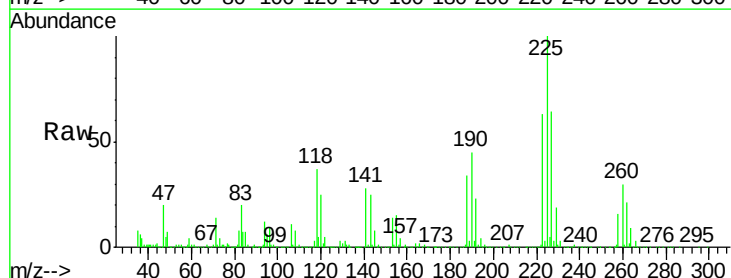
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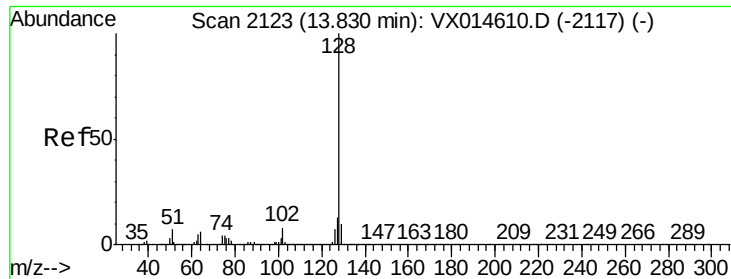
MMDadoda
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#90
Hexachlorobutadiene
Concen: 19.465 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	127.4
227	65.3	0.0	122.8





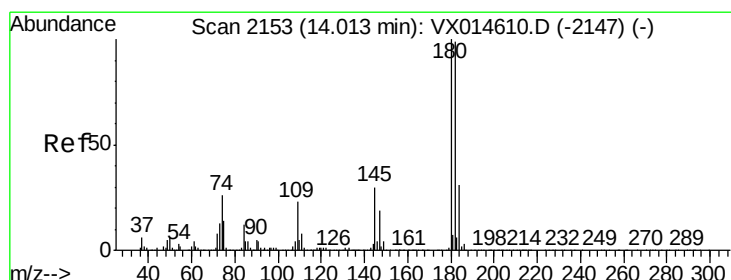
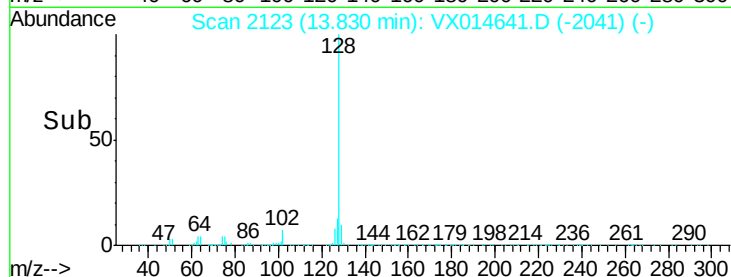
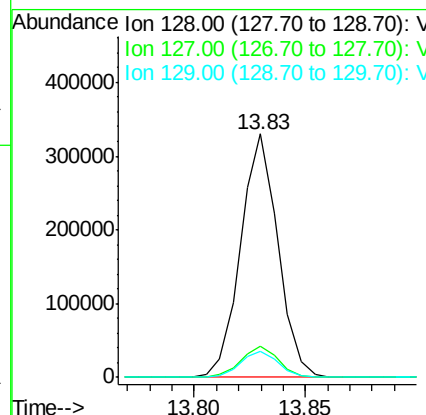
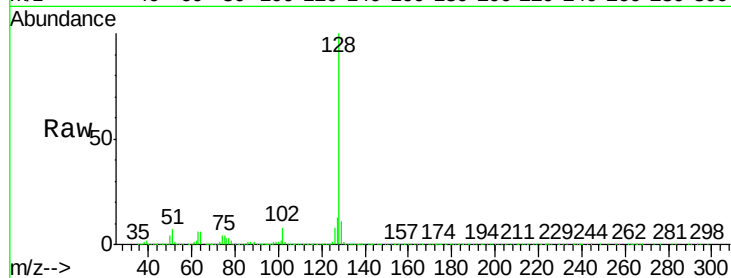
#91
Naphthalene
Concen: 18.972 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	385133
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	11.0	8.9	13.3

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1/17/2020 11:24:00 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.640 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014641.D
Acq: 16 Jan 2020 16:54

Tgt Ion:	180	Resp:	134437
Ion Ratio	Lower	Upper	
180	100		
182	94.4	0.0	192.8
145	30.5	0.0	60.0

