

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020320\
 Data File : VX014791.D
 Acq On : 03 Feb 2020 12:28
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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 2/4/2020 3:32:12 PM

Quant Time: Feb 03 14:23:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	72406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	403139	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	366264	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	161359	31.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.70%
60) 4-Bromofluorobenzene	11.13	95	174034	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	8.71	98	503629	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	101879	20.360	ug/l 100
3) Chloromethane	1.32	50	111389	20.332	ug/l 95
4) Vinyl Chloride	1.40	62	123956	20.151	ug/l 98
5) Bromomethane	1.64	94	70624	18.398	ug/l 100
6) Chloroethane	1.72	64	67859	19.569	ug/l 97
7) Trichlorofluoromethane	1.93	101	138114	20.278	ug/l 100
8) Diethyl Ether	2.18	74	60967	20.493	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83127	20.860	ug/l 99
10) 1,1-Dichloroethene	2.37	96	80139	19.994	ug/l 97
11) Methyl Iodide	2.50	142	111272	20.700	ug/l 98
12) Methyl Acetate	2.76	43	152650	21.082	ug/l 100
13) Acrolein	2.28	56	71689	94.259	ug/l 99
14) Acrylonitrile	3.13	53	243619	98.329	ug/l 99
15) Acetone	2.43	58	66857	80.492	ug/l 86
16) Carbon Disulfide	2.56	76	207001	18.804	ug/l 98
17) Allyl chloride	2.72	41	145046	19.553	ug/l 95
18) Methylene Chloride	2.85	84	95401	20.337	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	85202	19.746	ug/l 97
20) Diisopropyl ether	3.84	45	300510	20.476	ug/l 97
21) 1,1-Dichloroethane	3.69	63	159179	19.964	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	101295	20.429	ug/l 96
23) tert-Butyl Alcohol	3.02	59	94005	91.744	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	275144	20.626	ug/l 98
25) Chloroform	5.20	83	157838	20.436	ug/l 100
26) Cyclohexane	5.58	56	140566	19.113	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	117940	19.948	ug/l 99
30) 2-Butanone	4.65	43	342652	91.490	ug/l 100
31) 2,2-Dichloropropane	4.58	77	130487	20.627	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	130024	19.878	ug/l 99
33) Carbon Tetrachloride	5.78	117	111064	19.778	ug/l 98
34) Benzene	6.14	78	361065	19.763	ug/l 100
35) Methacrylonitrile	5.03	41	69883	18.683	ug/l 93
36) 1,2-Dichloroethane	6.18	62	128685	20.240	ug/l 99
37) Trichloroethene	7.21	130	95935	19.178	ug/l 99
38) Methylcyclohexane	7.46	83	141639	19.241	ug/l 99
39) 1,2-Dichloropropane	7.51	63	94281	19.845	ug/l 95
40) Dibromomethane	7.65	93	60153	19.702	ug/l 98

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 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)
41) Bromodichloromethane	7.89	83	118655	19.845	ug/l	99
42) Vinyl Acetate	3.80	43	1169781	101.335	ug/l	99
43) Ethyl Acetate	4.82	43	128099	18.894	ug/l	97
44) Isopropyl Acetate	6.43	43	213527	19.523	ug/l	99
45) 1,4-Dioxane	7.73	88	39087	357.267	ug/l	99
46) Methyl methacrylate	7.76	41	104680	19.462	ug/l	99
47) n-amyl Acetate	10.89	43	188730	20.594	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	131635	20.166	ug/l	93
49) cis-1,3-Dichloropropene	8.43	75	146825	19.962	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	91365	19.666	ug/l	97
51) Ethyl methacrylate	9.17	69	139555	19.292	ug/l	99
52) 1,3-Dichloropropane	9.37	76	155741	19.785	ug/l	99
53) Dibromochloromethane	9.57	129	94587	19.904	ug/l	99
54) 1,2-Dibromoethane	9.67	107	96140	19.953	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	312743	94.072	ug/l	99
56) Bromoform	10.85	173	70449	19.247	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	677269	98.193	ug/l	99
59) 2-Hexanone	9.48	43	504547	94.585	ug/l	100
61) Tetrachloroethene	9.33	164	98257	18.150	ug/l	95
62) Toluene	8.78	91	386747	19.902	ug/l	98
64) Chlorobenzene	10.14	112	241867	19.938	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	91309	20.380	ug/l	100
66) Ethyl Benzene	10.25	91	417019	19.703	ug/l	98
67) m/p-Xylenes	10.35	106	316174	38.999	ug/l	98
68) o-Xylene	10.69	106	154864	19.616	ug/l	99
69) Styrene	10.71	104	260744	19.493	ug/l	99
70) Isopropylbenzene	11.01	105	411671	19.904	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	141365	20.291	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	136057m	22.831	ug/l	
73) Bromobenzene	11.25	156	109968	20.058	ug/l	97
74) n-propylbenzene	11.35	91	468161	19.809	ug/l	99
75) 2-Chlorotoluene	11.42	91	279763	19.752	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	338703	19.653	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	43485	18.960	ug/l	99
78) 4-Chlorotoluene	11.51	91	317335	19.727	ug/l	99
79) tert-butylbenzene	11.76	119	322970	20.028	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	339883	19.773	ug/l	99
81) sec-Butylbenzene	11.94	105	396011	19.846	ug/l	99
82) p-Isopropyltoluene	12.06	119	358907	19.703	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	186001	19.430	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	188607	19.872	ug/l	99
85) n-Butylbenzene	12.39	91	301249	18.901	ug/l	99
86) Hexachloroethane	12.59	117	64396	19.713	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	189853	19.655	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	29201	19.622	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	124564	19.537	ug/l	98
90) Hexachlorobutadiene	13.78	225	62099	19.493	ug/l	98
91) Naphthalene	13.83	128	372779	19.370	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	124778	19.227	ug/l	99

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VSTDCCC020

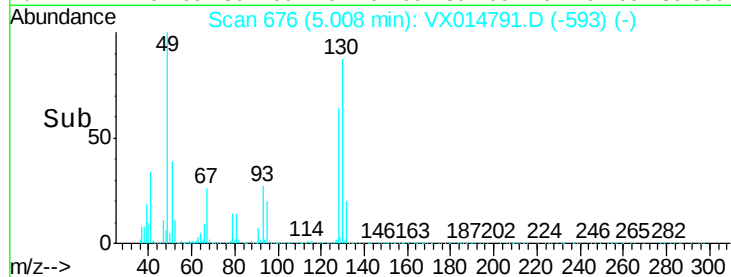
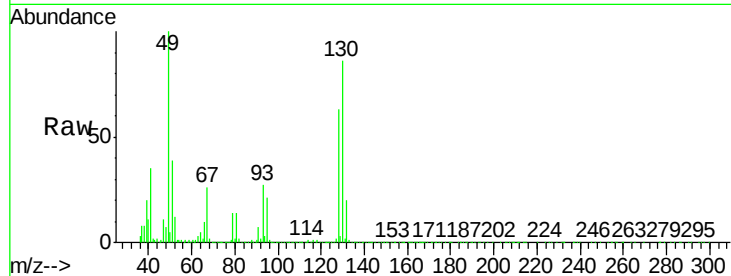
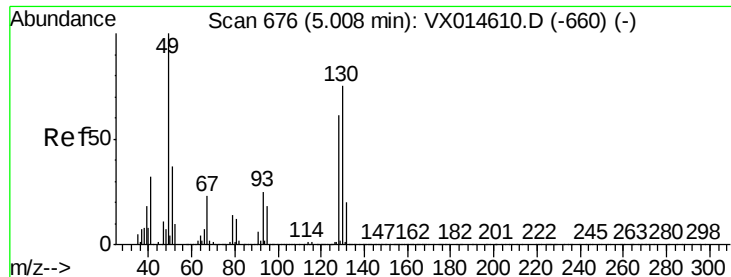
Manual Integrations
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Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014791.D

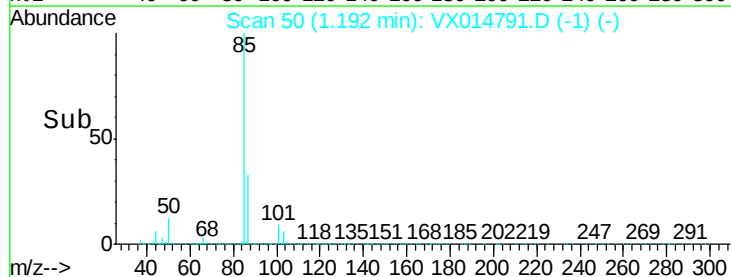
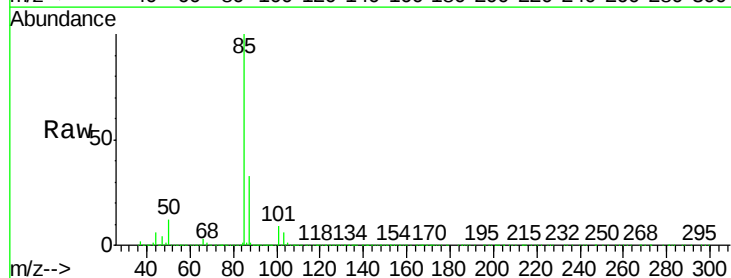
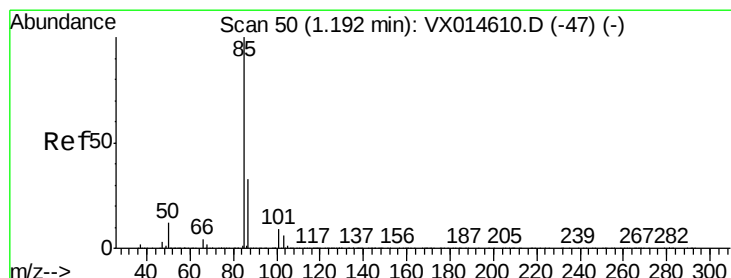
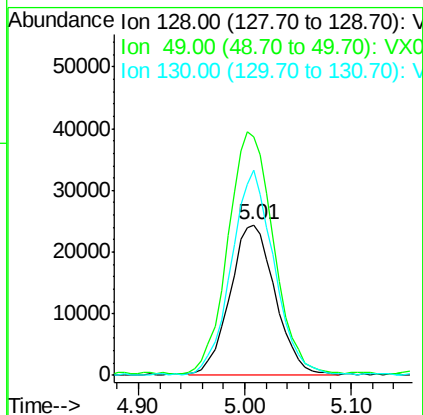
Acq: 03 Feb 2020 12:28

Tot Ion:	128	Resp:	72406
Ion	Ratio	Lower	Upper
128	100		
49	161.7	0.0	405.0
130	128.7	0.0	321.5

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Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.360 ug/l

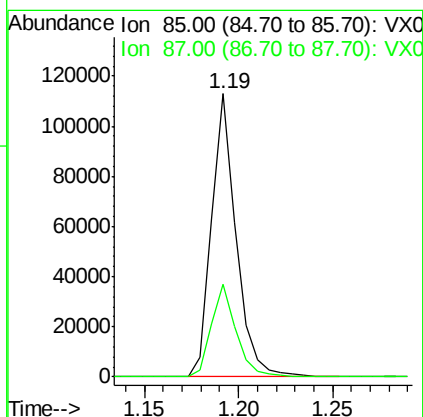
RT: 1.19 min Scan# 50

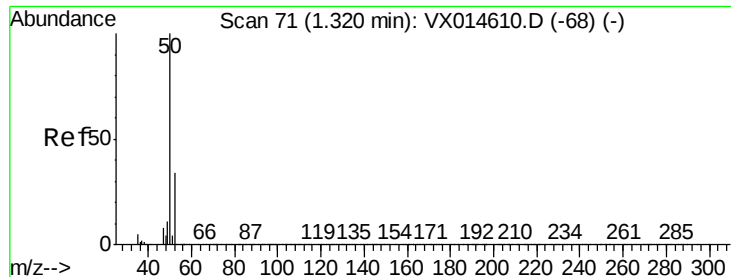
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	85	Resp:	101879
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.3	48.9





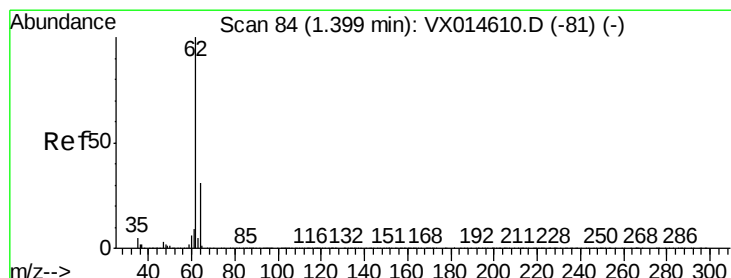
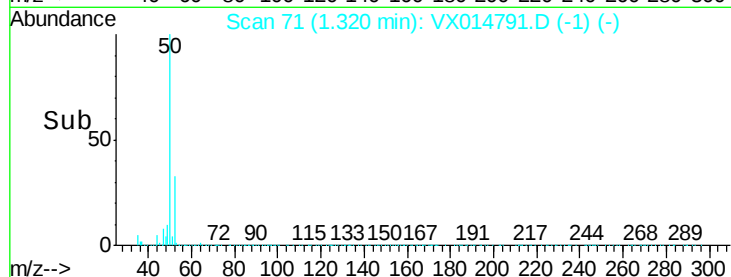
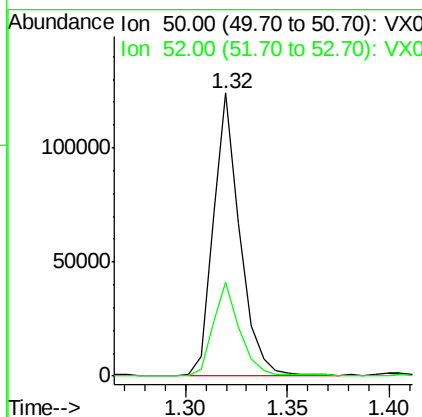
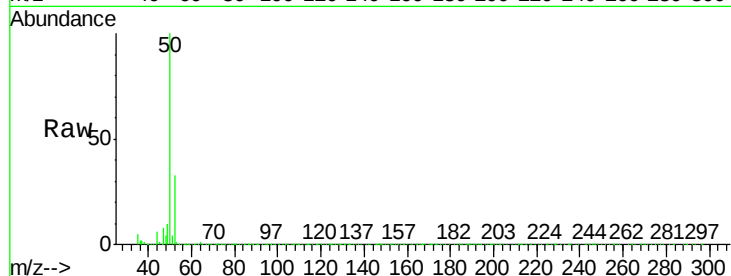
#3
Chloromethane
Concen: 20.332 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	24.3	36.5

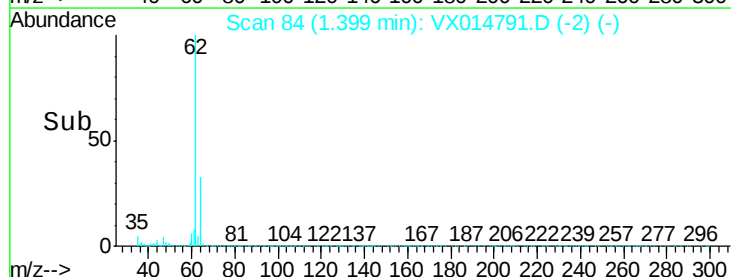
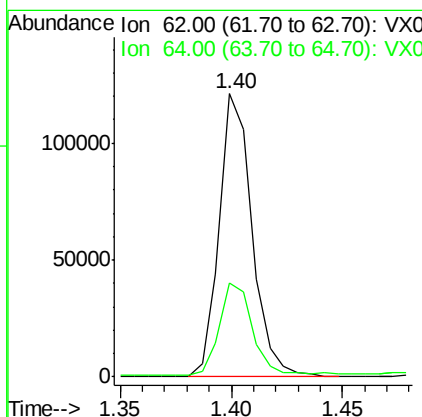
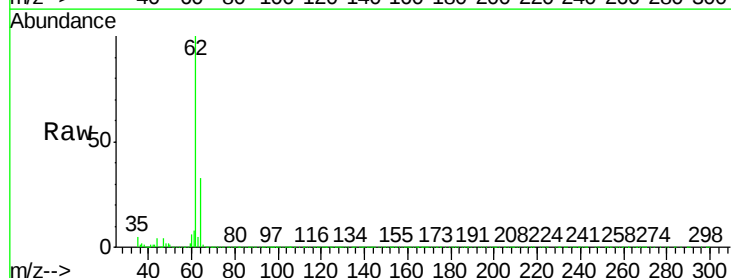
Manual Integrations
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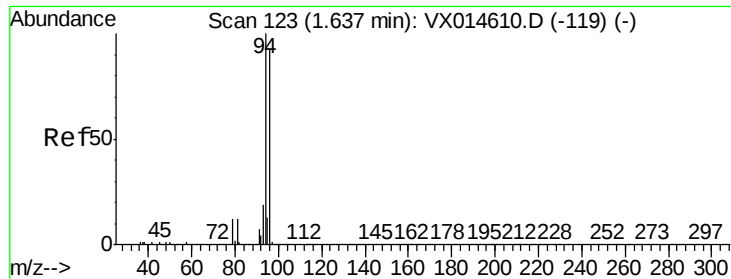
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#4
Vinyl Chloride
Concen: 20.151 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8





#5

Bromomethane

Concen: 18.398 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 70624

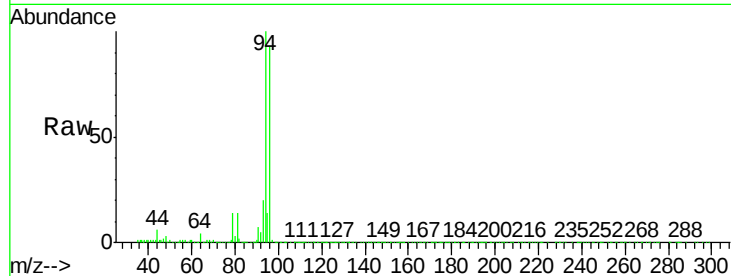
Ion Ratio Lower Upper

94 100

96 92.9 74.4 111.6

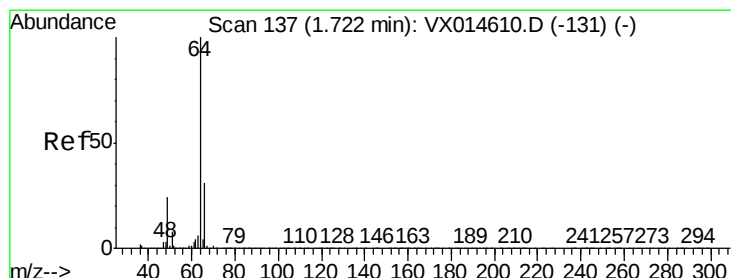
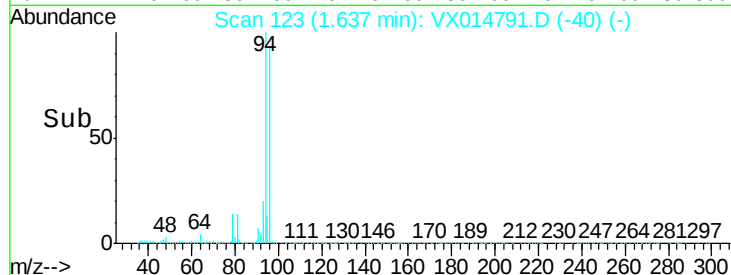
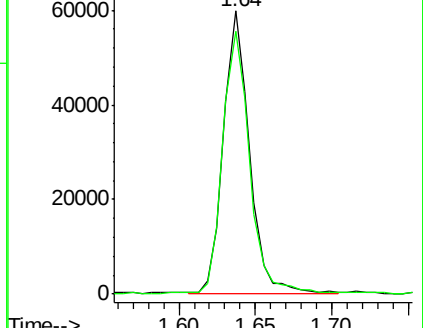
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.569 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014791.D

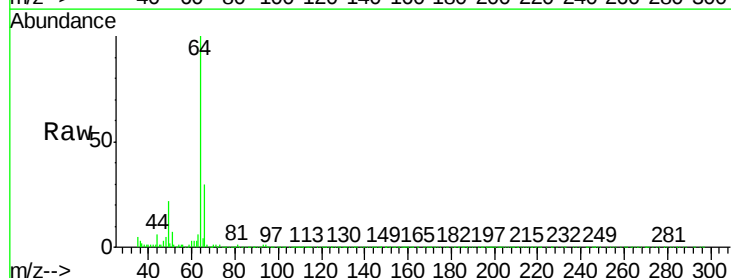
Acq: 03 Feb 2020 12:28

Tgt Ion: 64 Resp: 67859

Ion Ratio Lower Upper

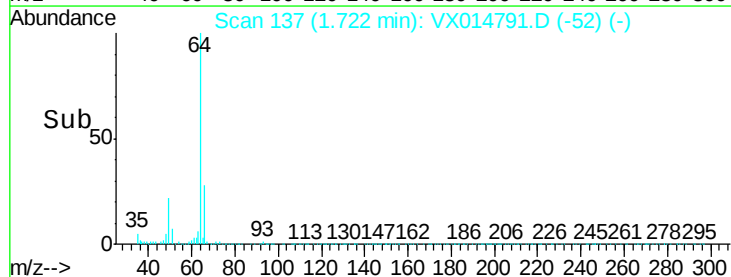
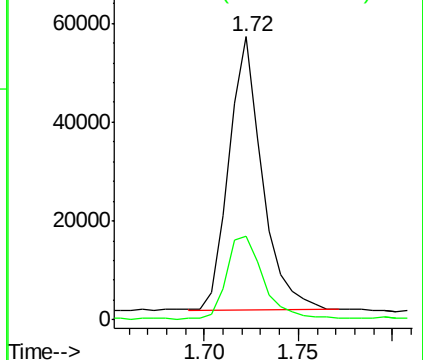
64 100

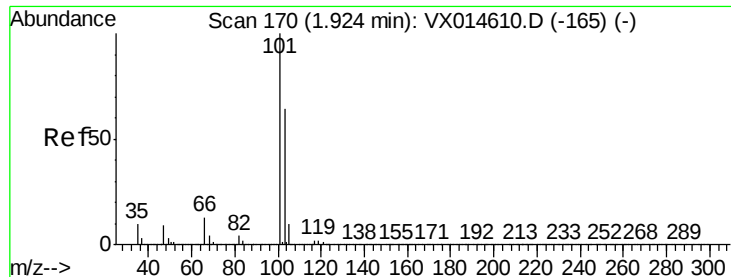
66 30.0 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

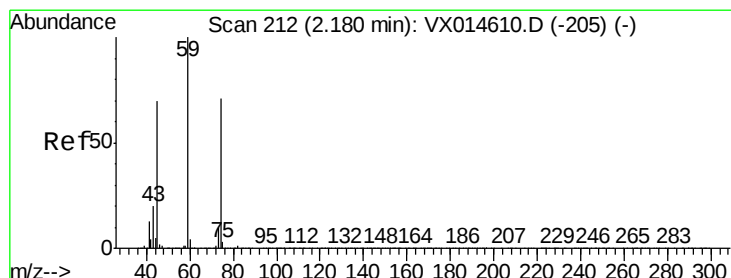
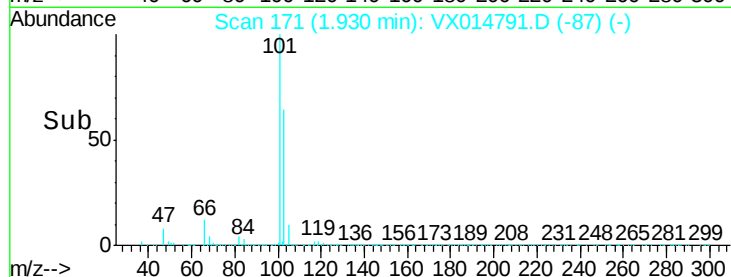
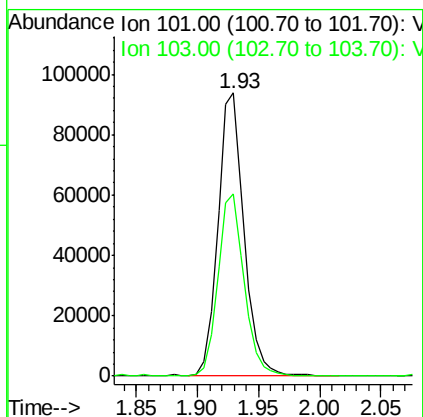
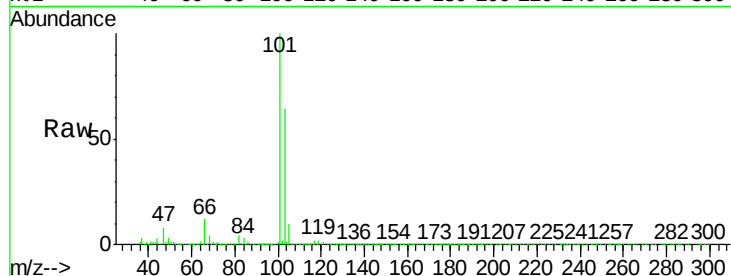
Trichlorofluoromethane
Concen: 20.278 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

Manual Integrations
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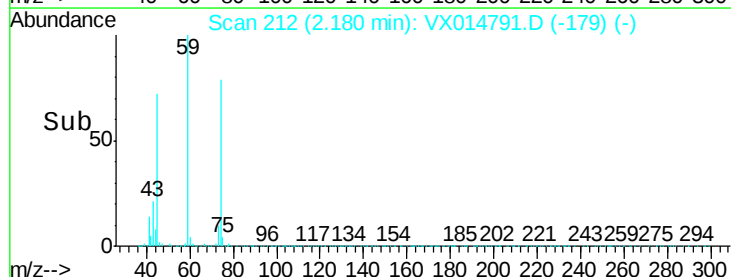
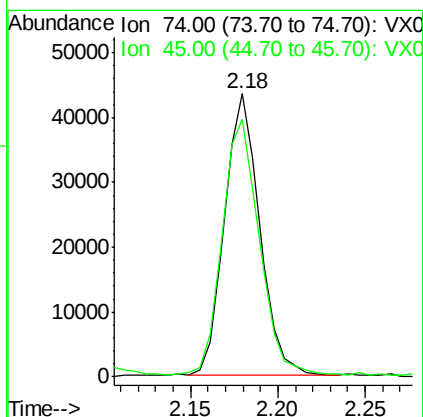
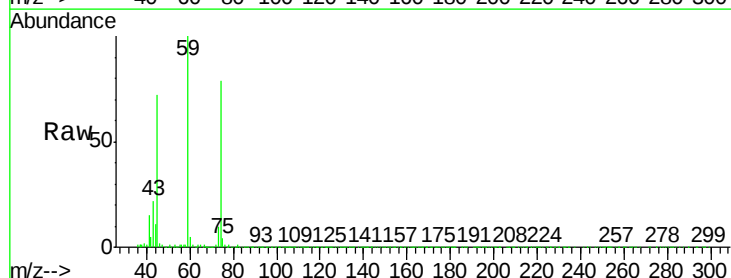
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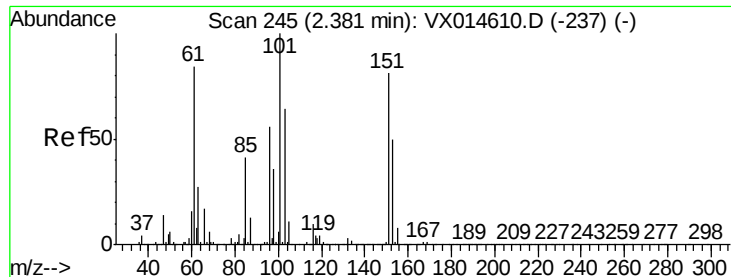


#8

Diethyl Ether
Concen: 20.493 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.860 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

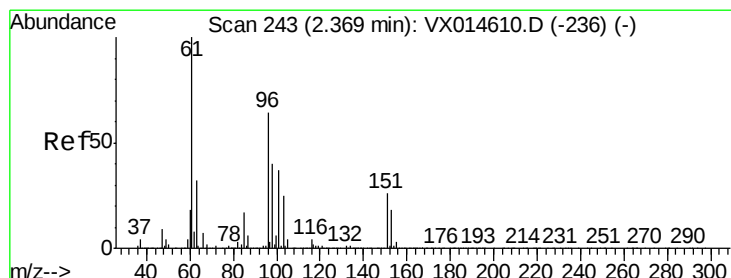
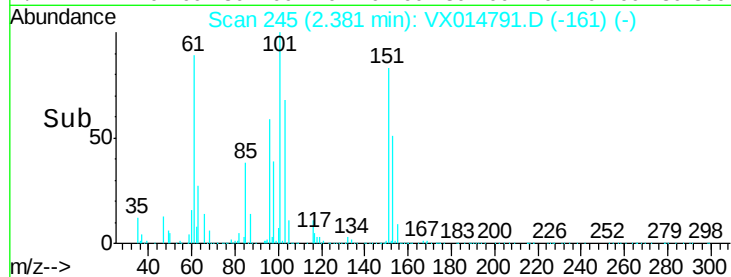
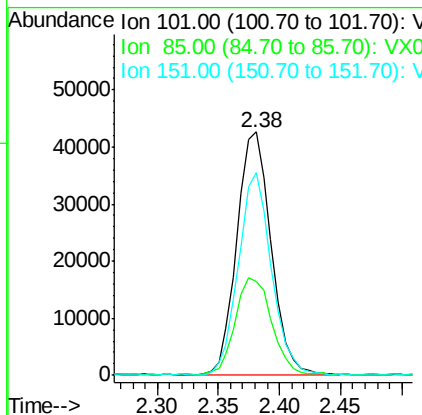
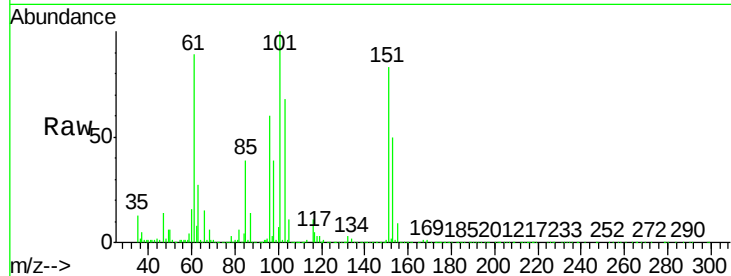
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	83127
Ion Ratio	Lower	Upper	
101	100		
85	41.7	0.0	85.6
151	80.8	0.0	159.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.994 ug/l

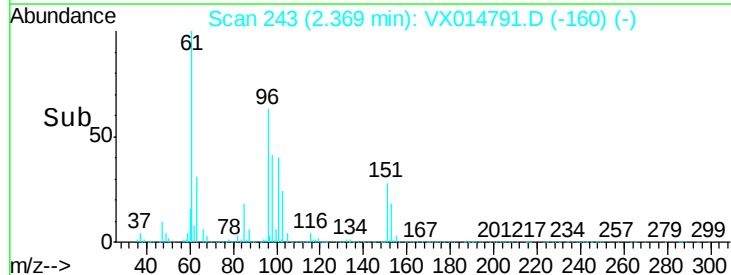
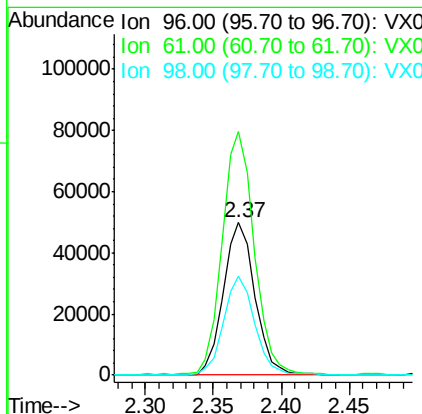
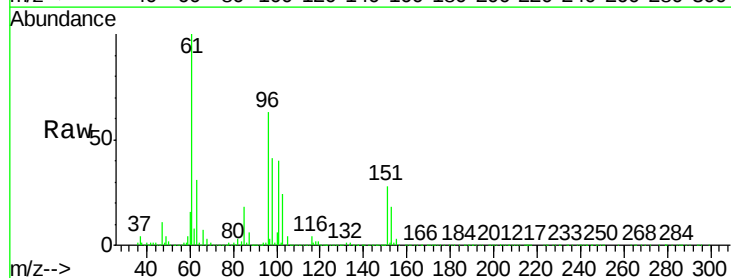
RT: 2.37 min Scan# 243

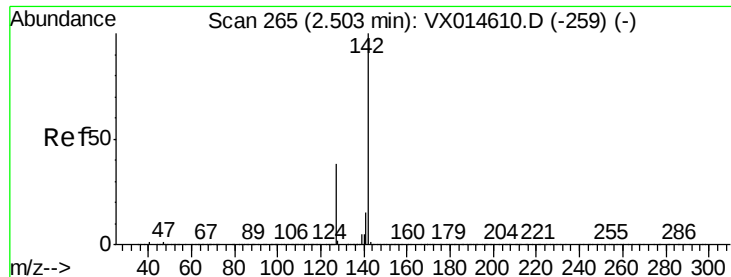
Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	96	Resp:	80139
Ion Ratio	Lower	Upper	
96	100		
61	159.4	123.0	184.6
98	64.7	51.4	77.0





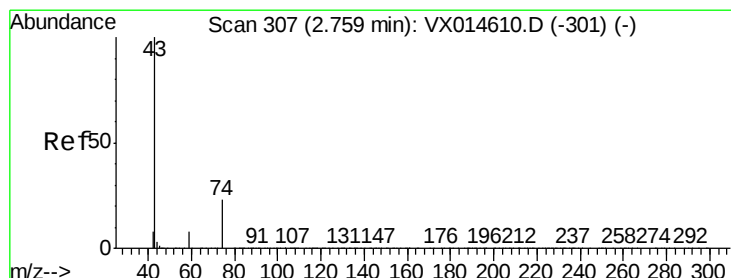
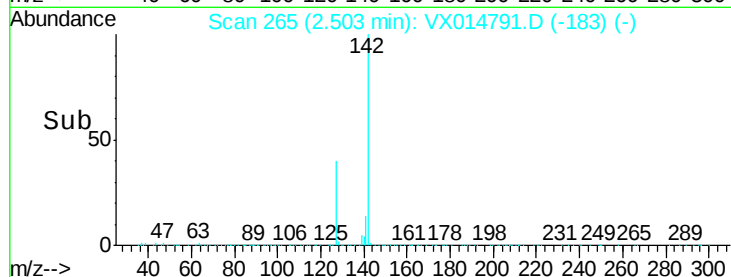
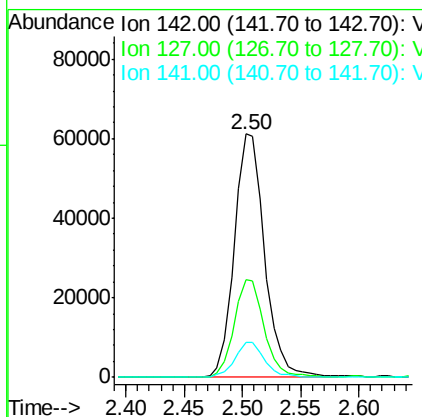
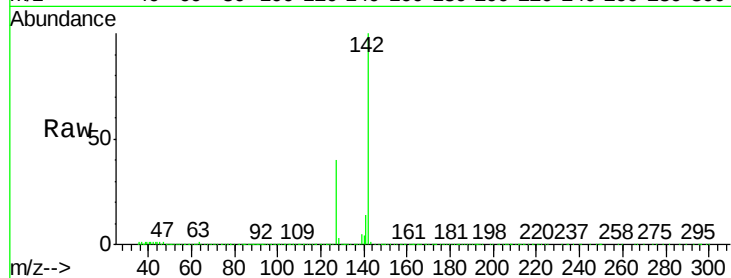
#11
Methvl Iodide
Concen: 20.700 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.2	19.5	58.5
141	14.2	7.0	20.9

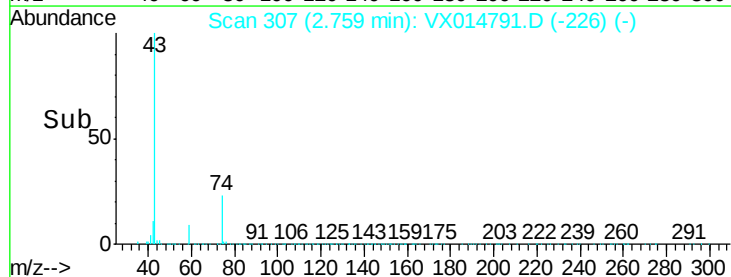
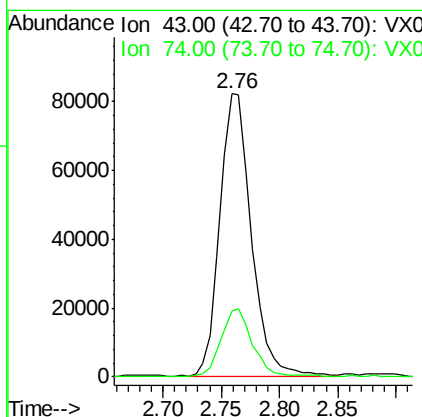
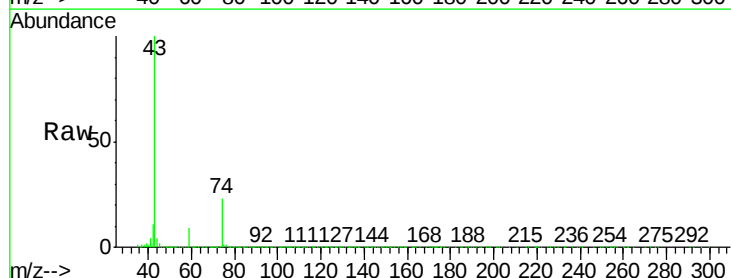
Manual Integrations
APPROVED

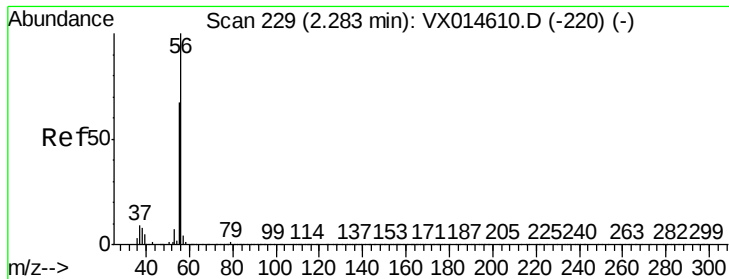
MMDadoda
2/4/2020 3:32:12 PM



#12
Methyl Acetate
Concen: 21.082 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.5	27.7





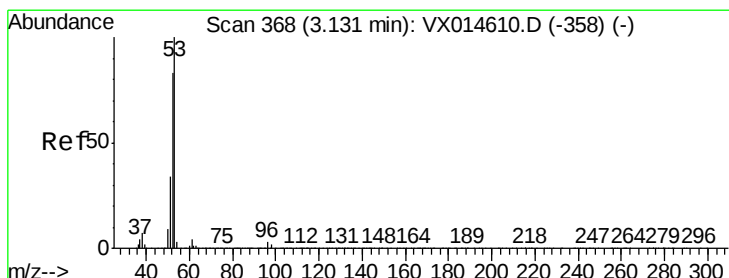
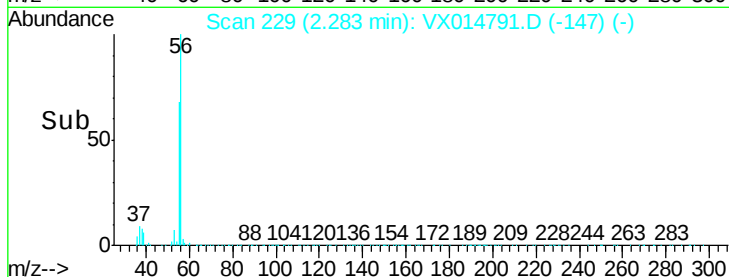
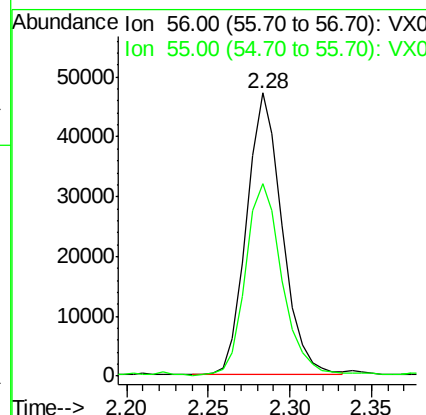
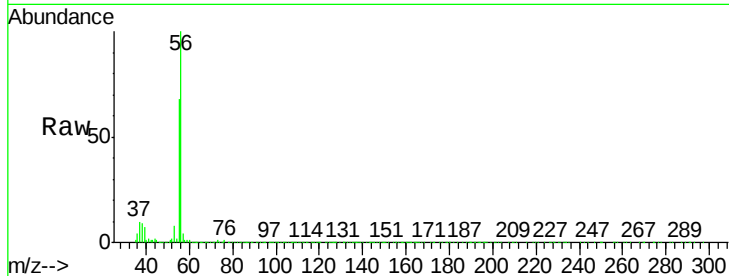
#13
Acrolein
Concen: 94.259 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.6	54.9	82.3	

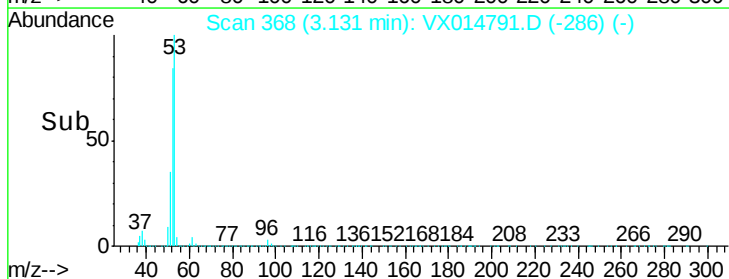
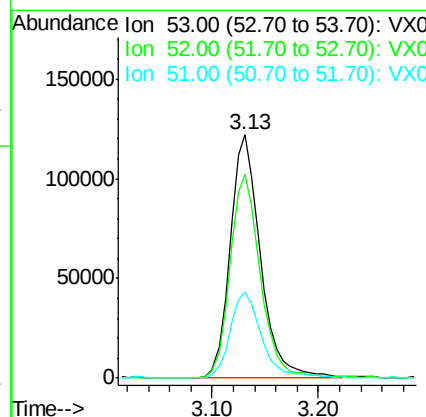
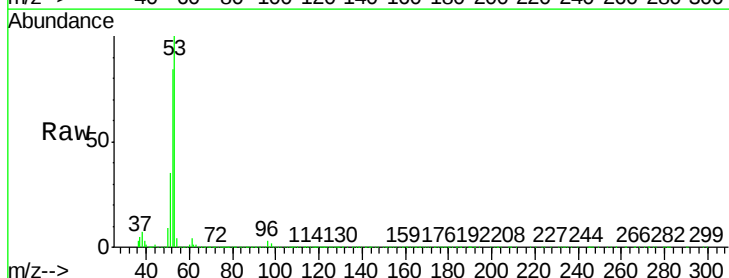
Manual Integrations
APPROVED

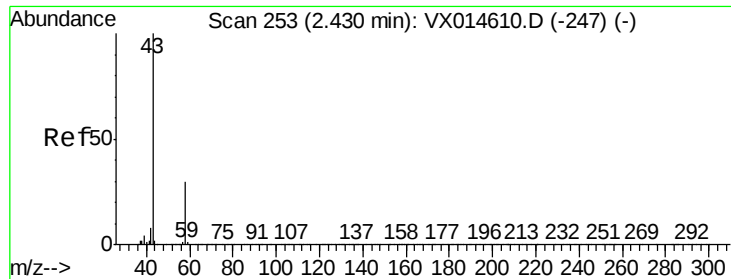
MMDadoda
2/4/2020 3:32:12 PM



#14
Acrylonitrile
Concen: 98.329 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.7	41.5	124.6	
51	36.4	17.8	53.5	





#15

Acetone

Concen: 80.492 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 66857

Ion Ratio Lower Upper

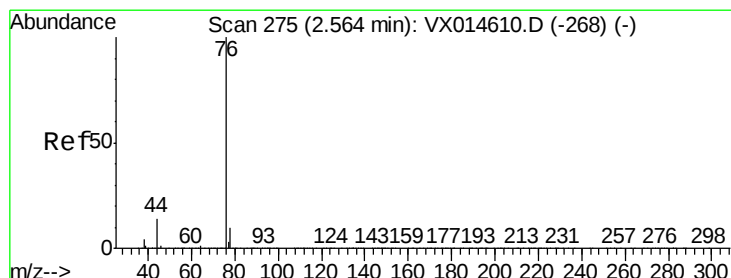
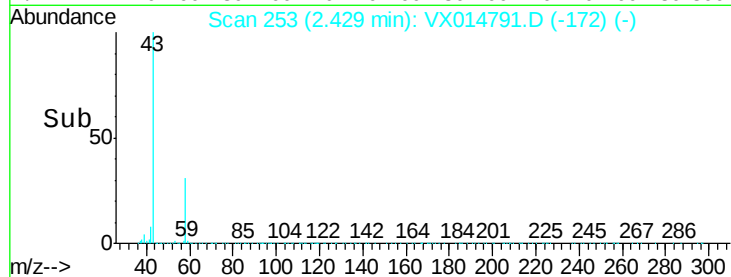
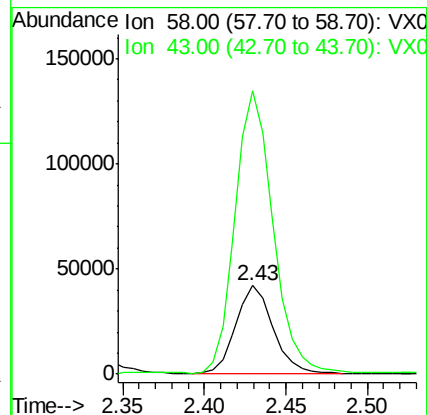
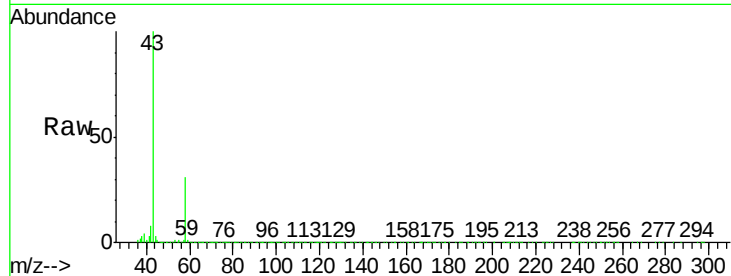
58 100

43 322.3 236.3 354.5

Manual Integrations
APPROVED

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2/4/2020 3:32:12 PM



#16

Carbon Disulfide

Concen: 18.804 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014791.D

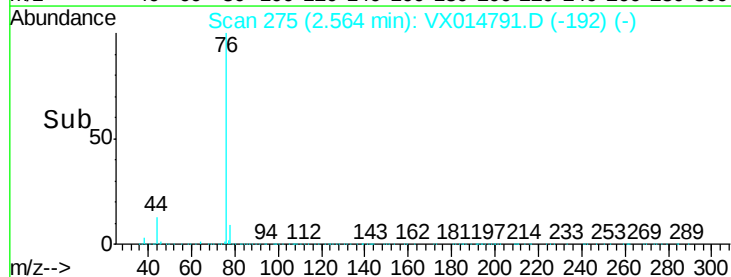
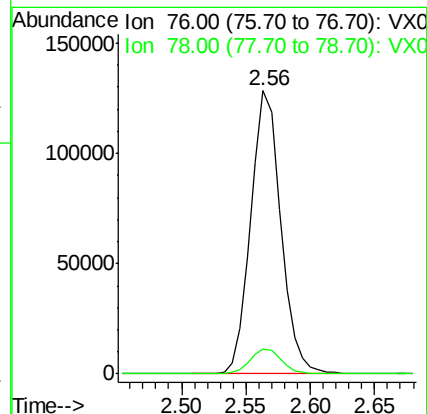
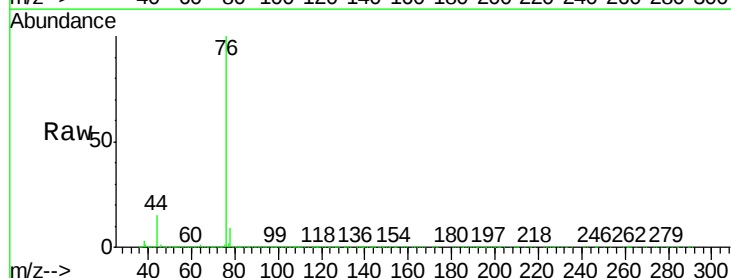
Acq: 03 Feb 2020 12:28

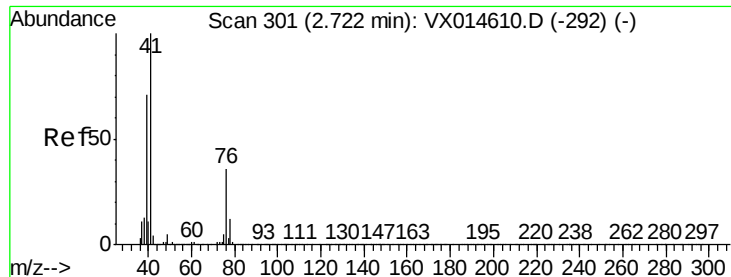
Tgt Ion: 76 Resp: 207001

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8





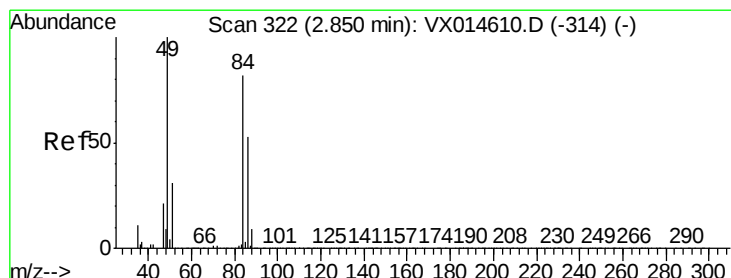
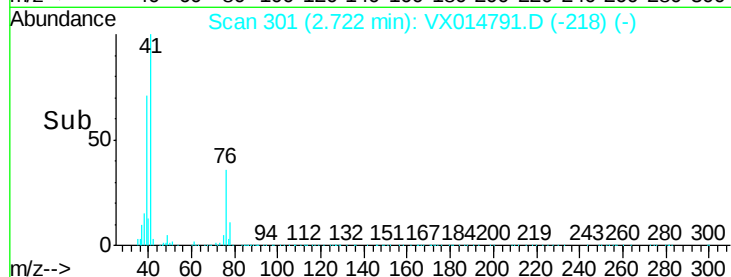
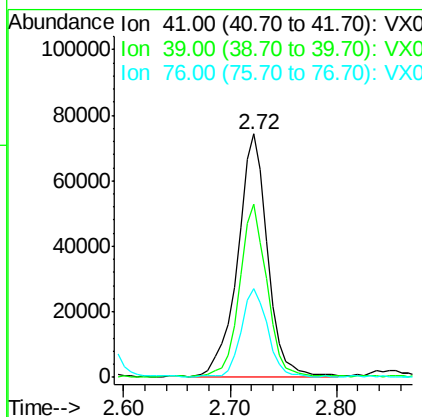
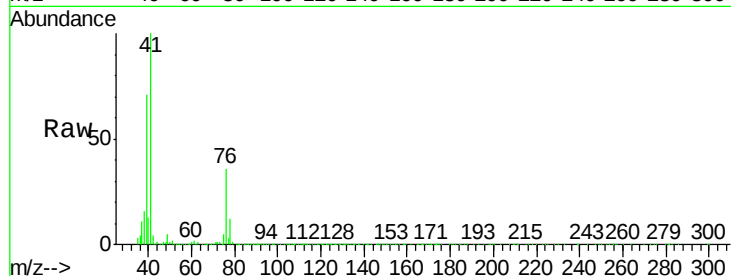
#17
Allvl chloride
Concen: 19.553 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.0	33.4	100.2
76	36.2	17.0	50.9

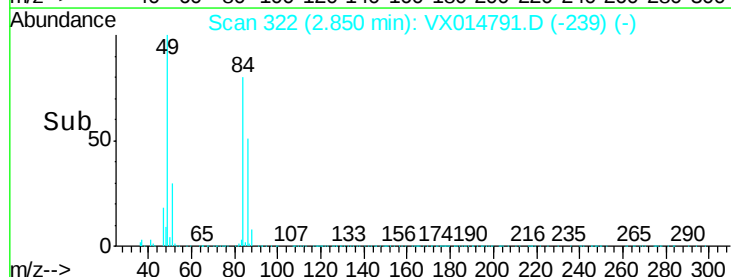
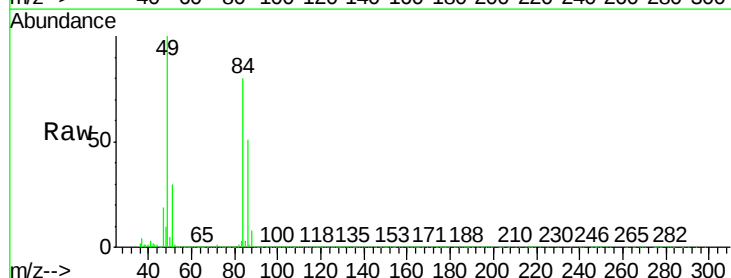
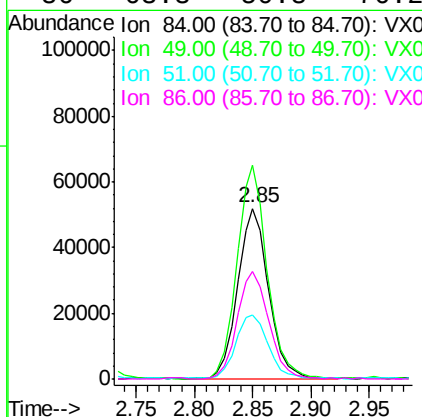
Manual Integrations
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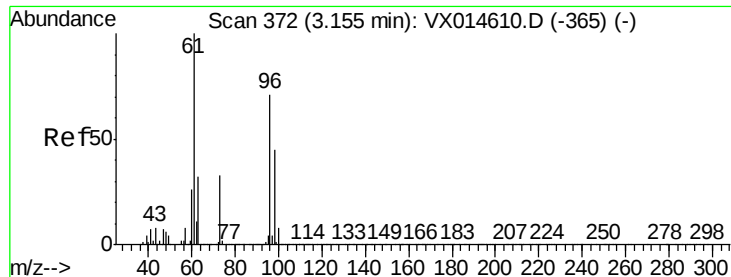
MMDadoda
2/4/2020 3:32:12 PM



#18
Methylene Chloride
Concen: 20.337 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	102.2	153.2
51	36.9	31.4	47.0
86	63.3	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.746 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

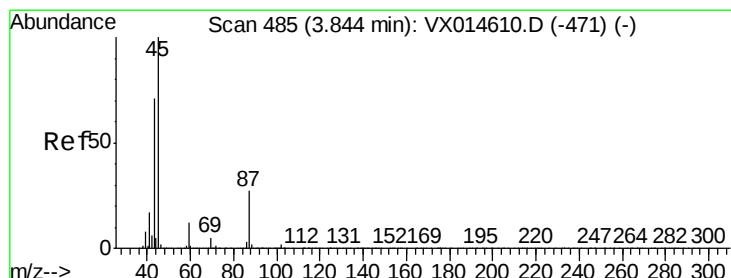
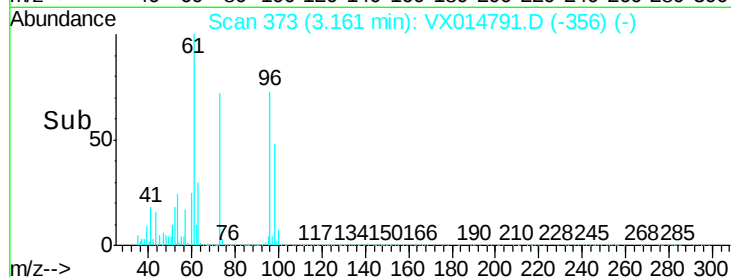
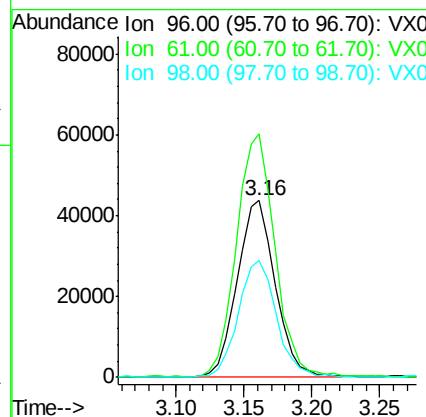
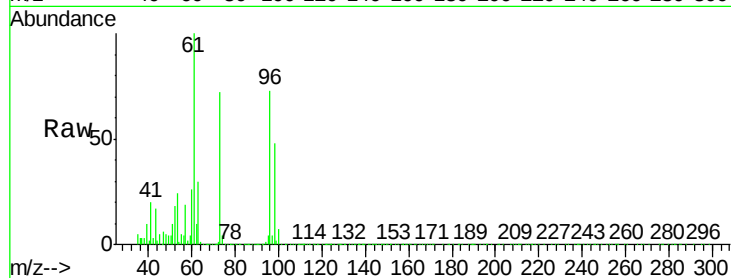
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	85202
Ion	Ratio	Lower	Upper
96	100		
61	137.4	106.6	159.8
98	65.6	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:12 PM



#20

Diisopropyl ether

Concen: 20.476 ug/l

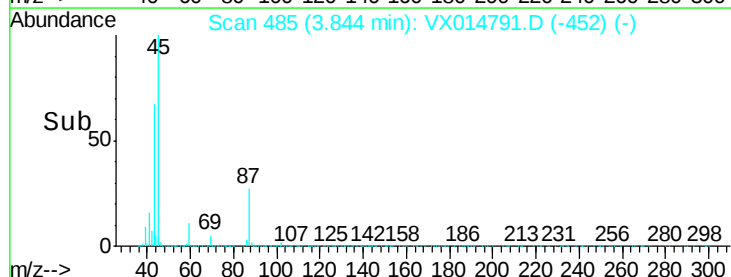
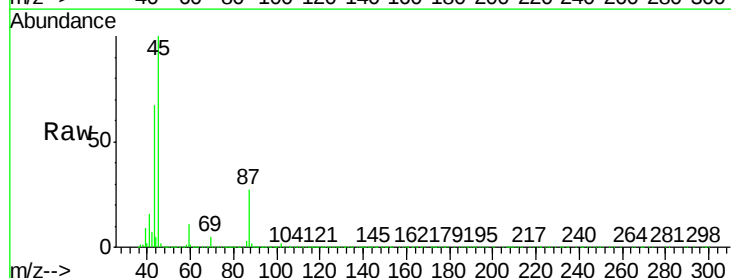
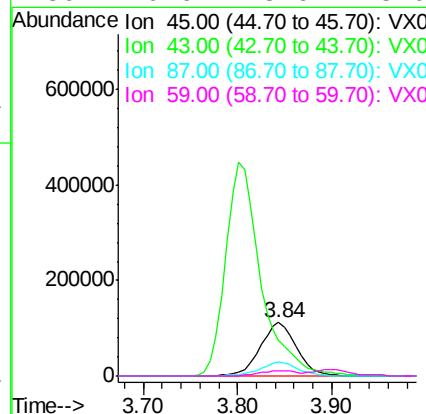
RT: 3.84 min Scan# 485

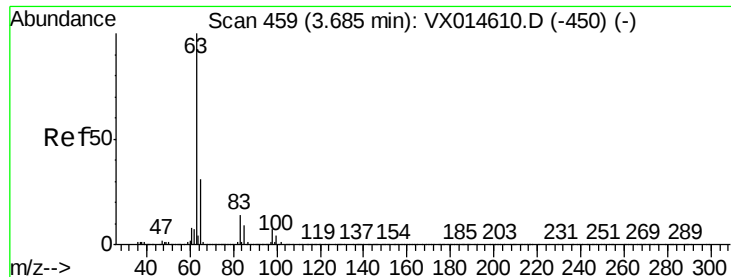
Delta R.T. -0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	45	Resp:	300510
Ion	Ratio	Lower	Upper
45	100		
43	67.0	55.9	83.9
87	26.7	22.2	33.2
59	10.6	8.6	13.0





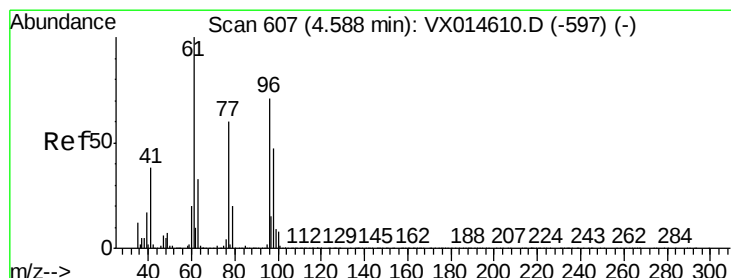
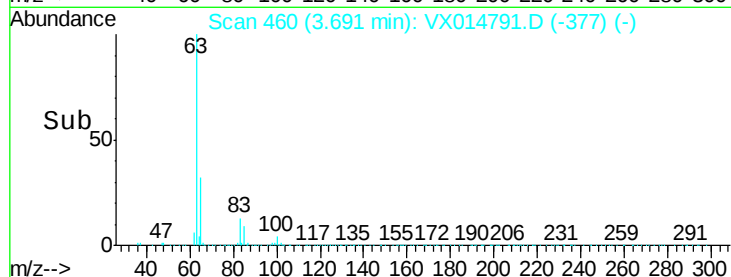
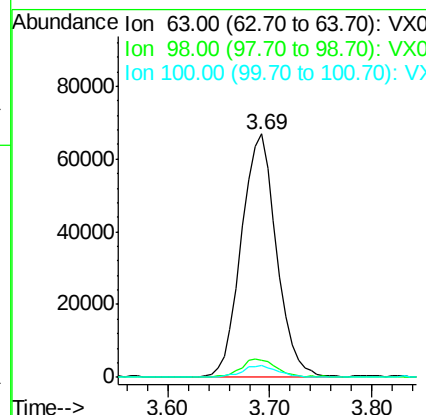
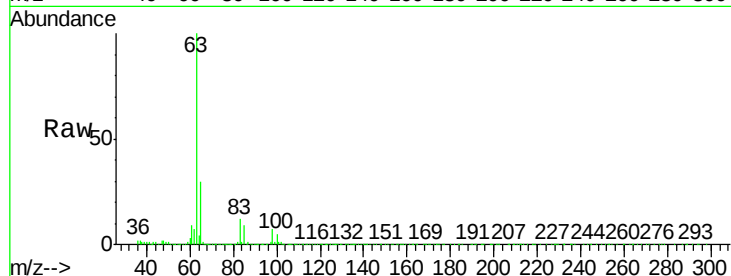
#21
1,1-Dichloroethane
Concen: 19.964 ug/l
RT: 3.69 min Scan# 460
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.1	3.4	10.1
100	4.8	2.5	7.4

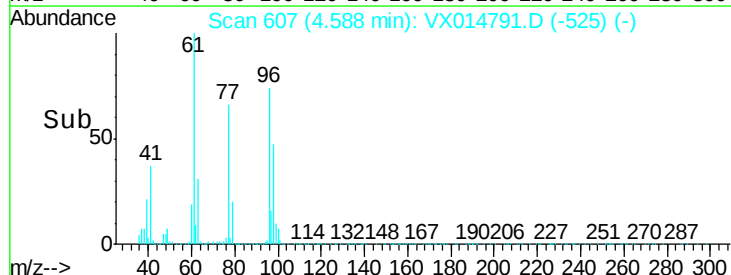
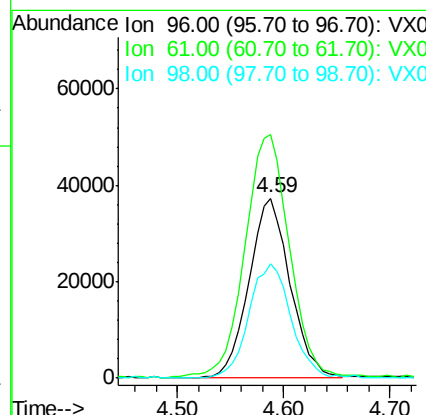
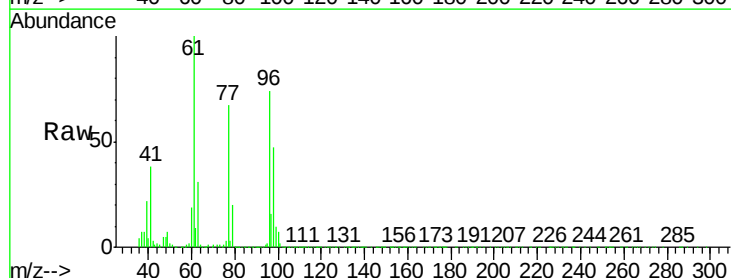
Manual Integrations
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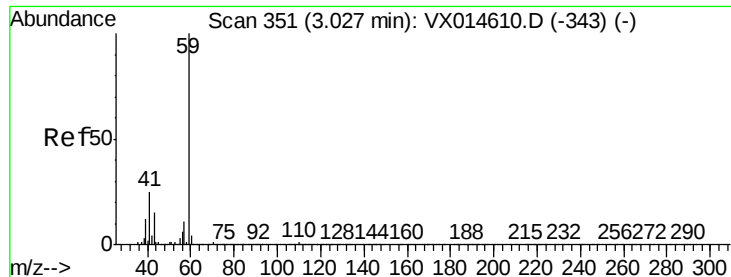
MMDadoda
2/4/2020 3:32:12 PM



#22
cis-1,2-Dichloroethene
Concen: 20.429 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	145.6	112.4	168.6
98	64.6	50.3	75.5





#23

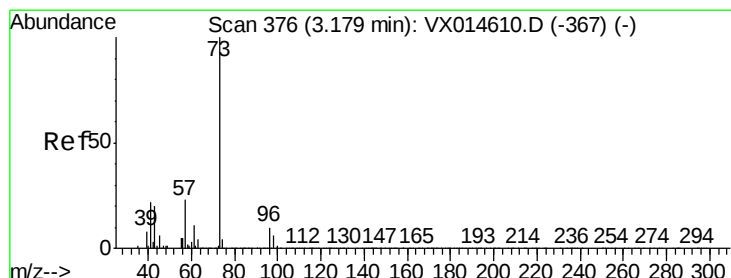
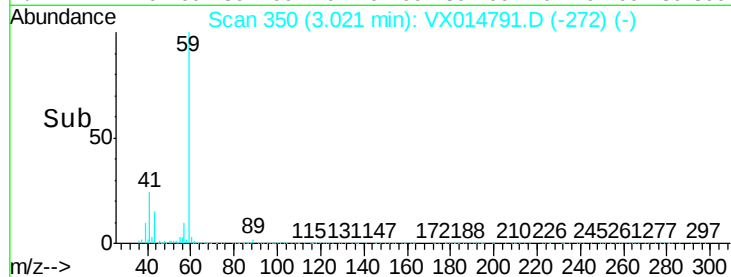
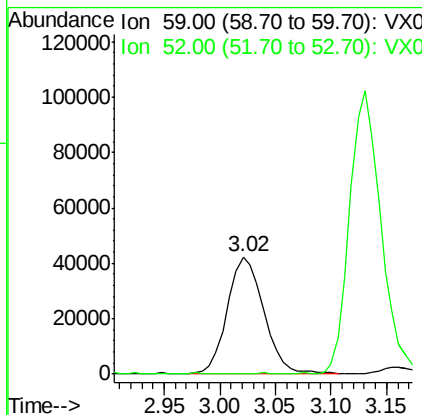
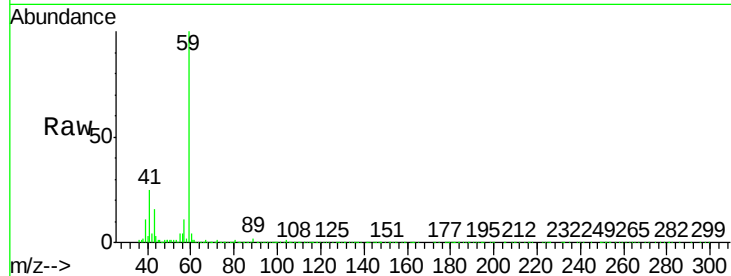
tert-Butyl Alcohol
 Concen: 91.744 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

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

Manual Integrations
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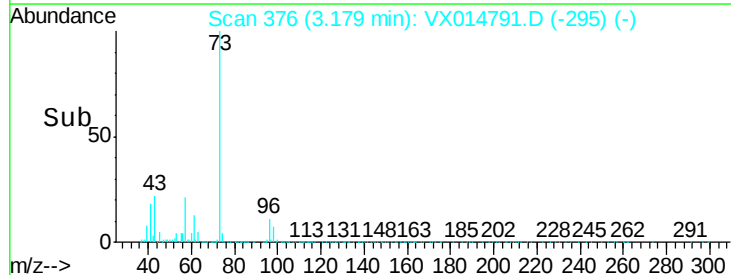
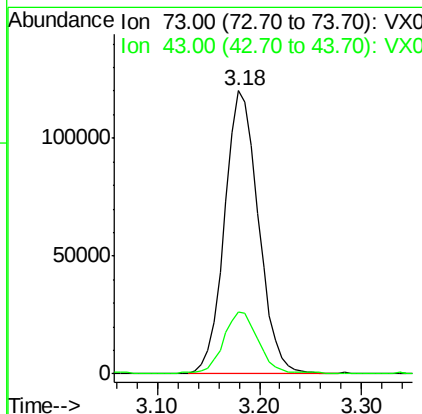
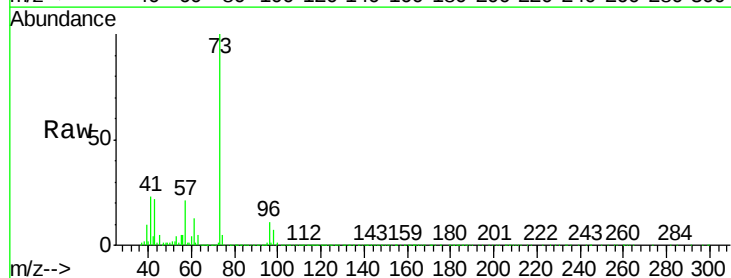
MMDadoda
 2/4/2020 3:32:12 PM

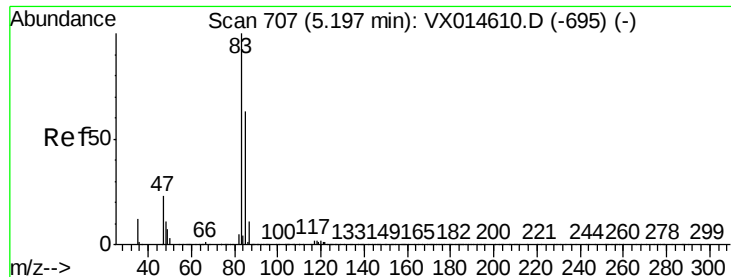


#24

Methyl tert-Butyl Ether
 Concen: 20.626 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	16.6	25.0





#25

Chloroform

Concen: 20.436 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 157838

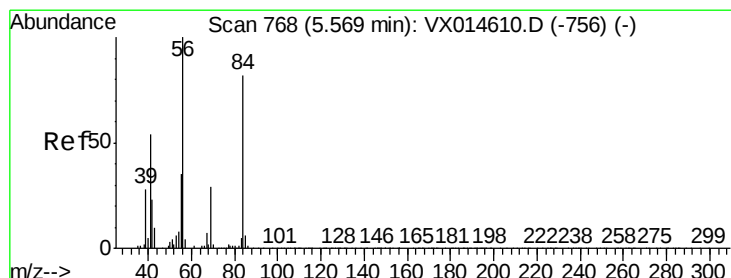
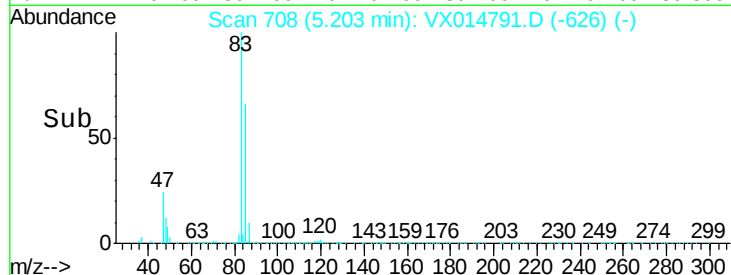
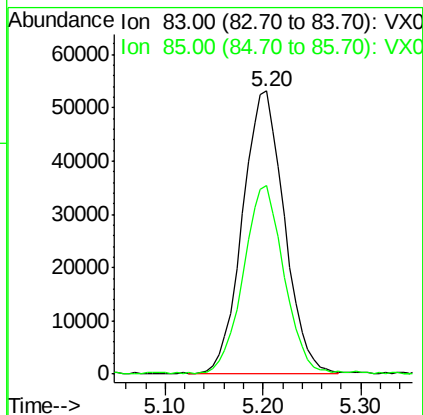
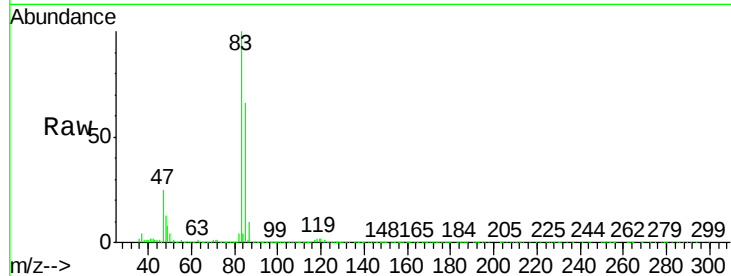
Ion Ratio Lower Upper

83 100

85 66.2 52.7 79.1

Manual Integrations
APPROVED

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2/4/2020 3:32:12 PM



#26

Cyclohexane

Concen: 19.113 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

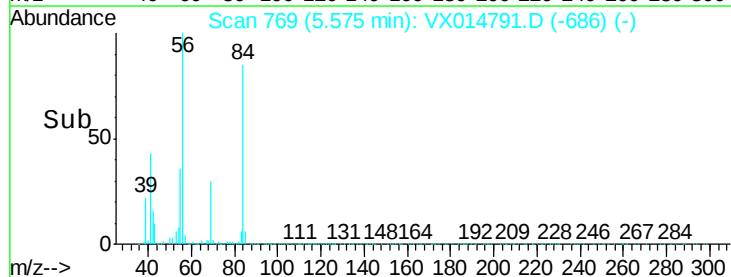
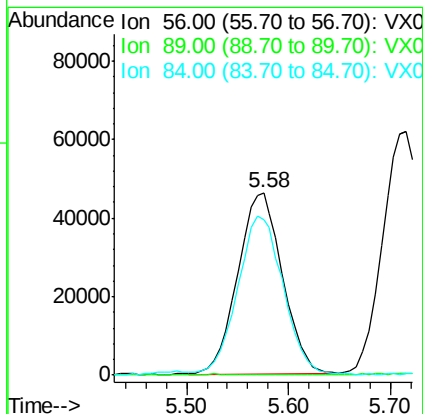
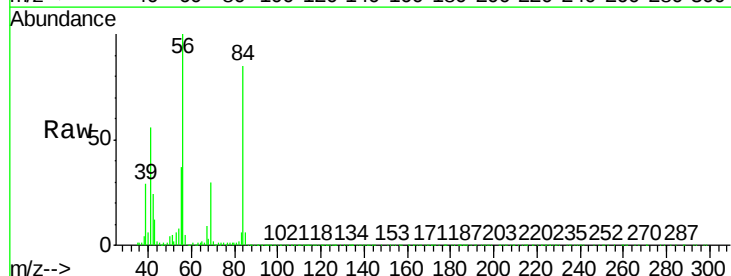
Tgt Ion: 56 Resp: 140566

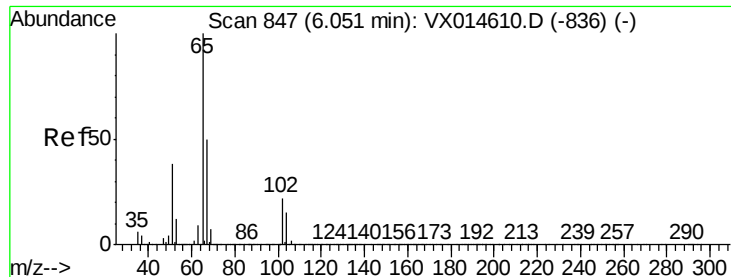
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 88.1 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 31.705 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 161359

Ion Ratio Lower Upper

65 100

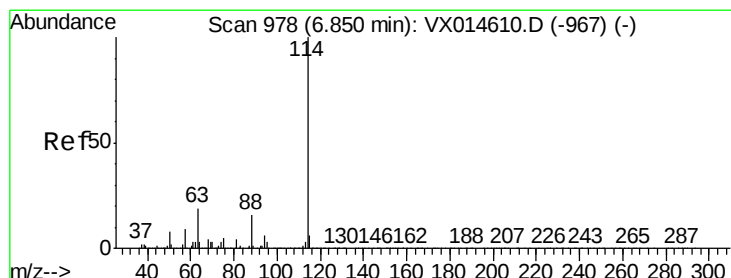
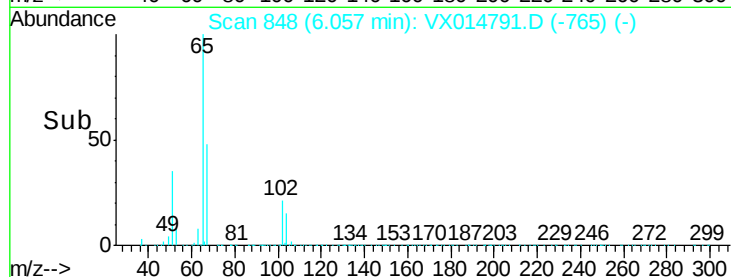
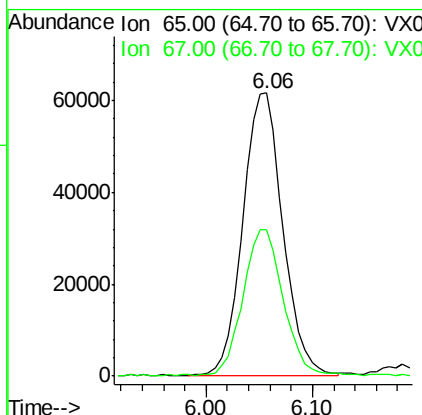
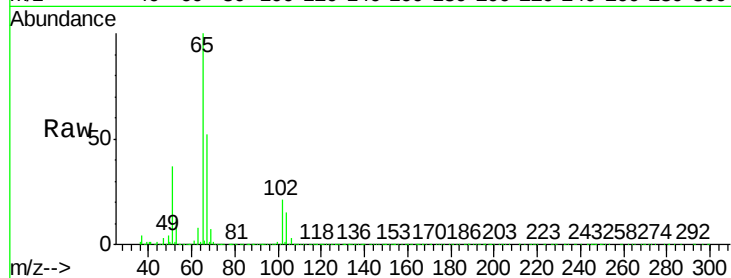
67 51.7 43.1 64.7

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

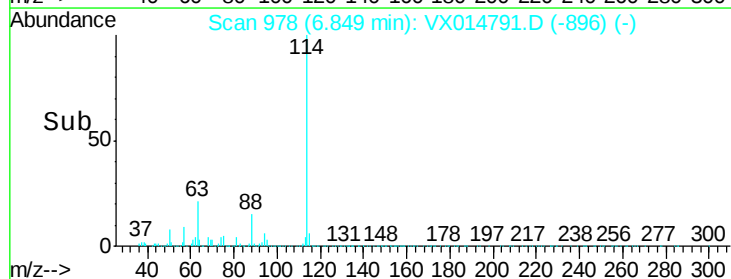
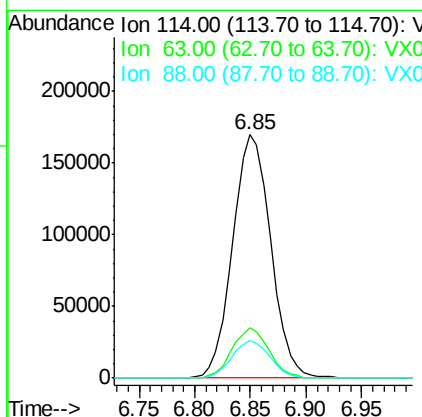
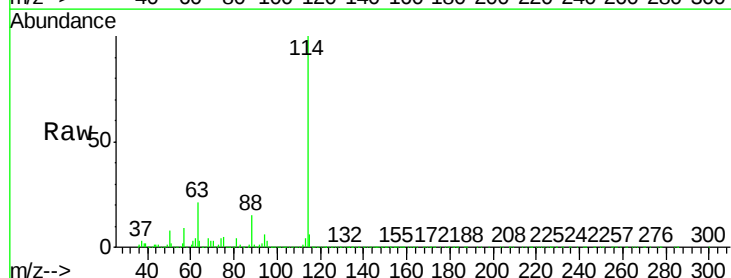
Tgt Ion: 114 Resp: 403139

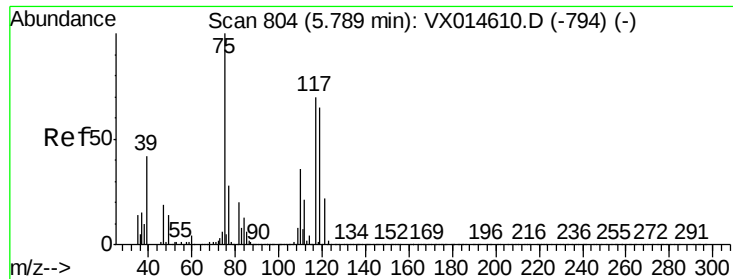
Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

88 15.3 12.5 18.7





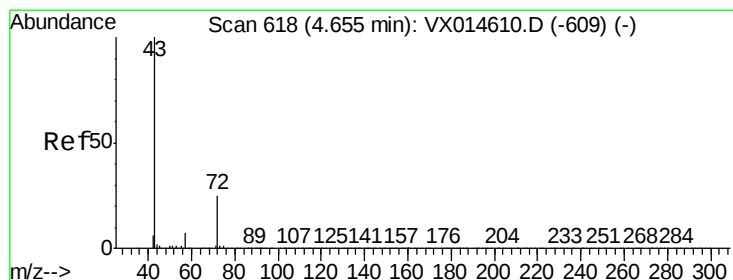
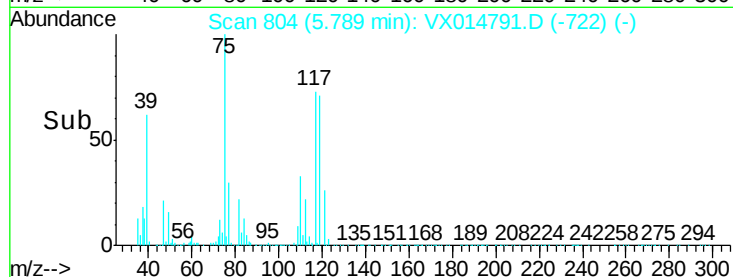
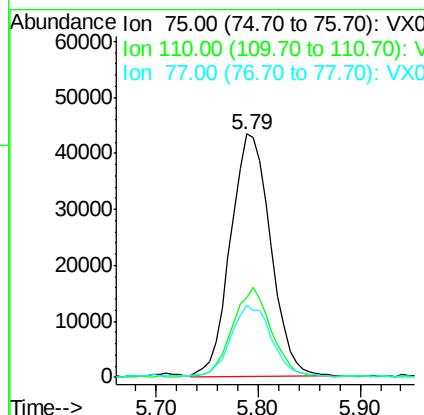
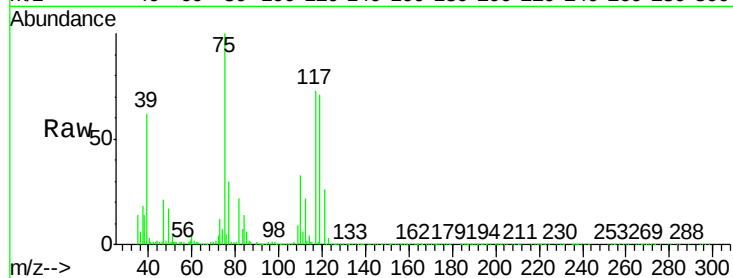
#29
 1,1-Dichloropropene
 Concen: 19.948 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	73.8
77	30.5	0.0	62.4

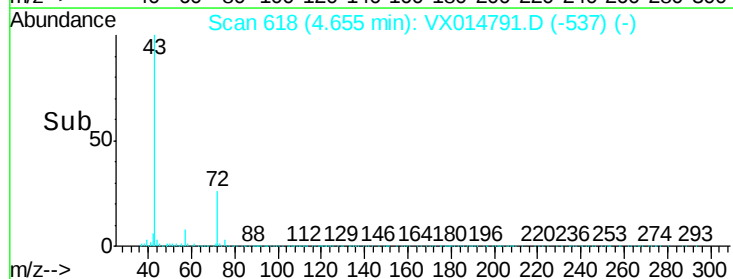
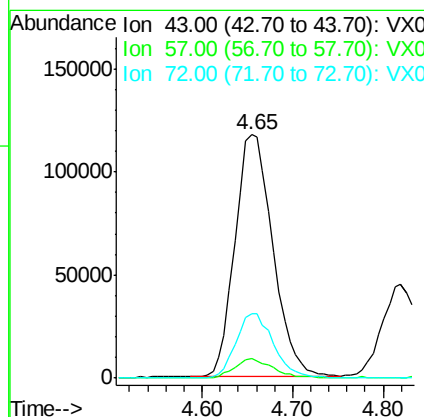
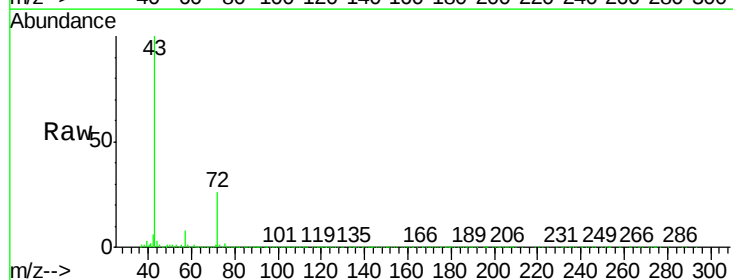
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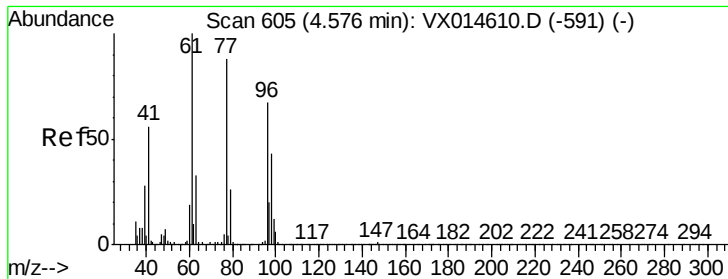
MMDadoda
 2/4/2020 3:32:12 PM



#30
 2-Butanone
 Concen: 91.490 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.2
72	25.6	20.3	30.5





#31

2,2-Dichloropropane

Concen: 20.627 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 130487

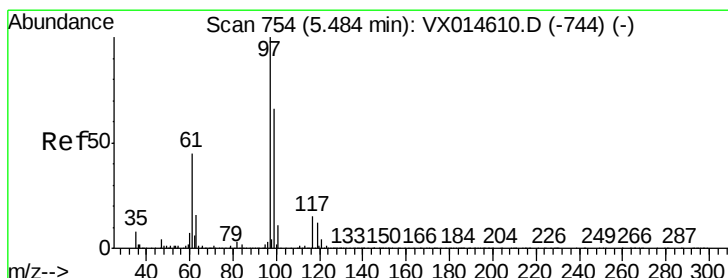
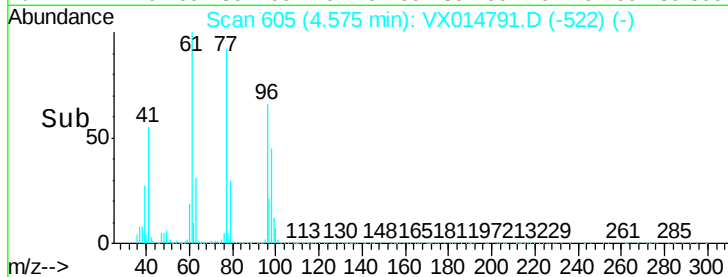
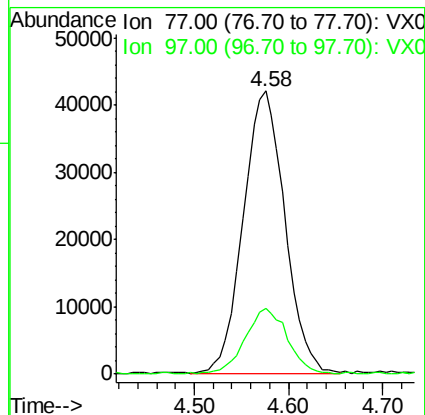
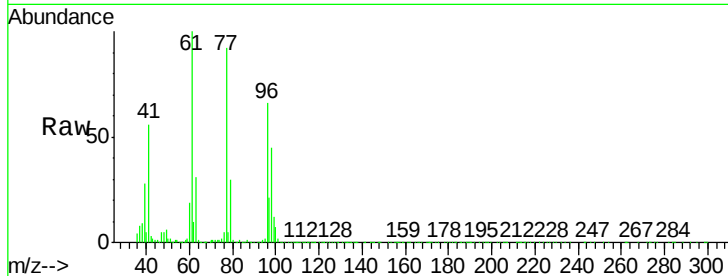
Ion Ratio Lower Upper

77 100

97 23.2 19.7 29.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.878 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

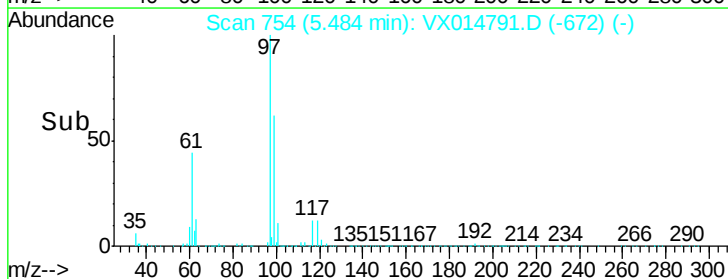
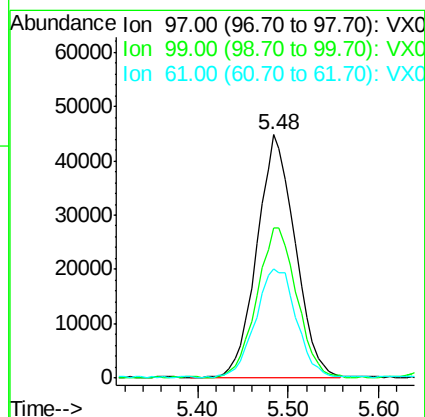
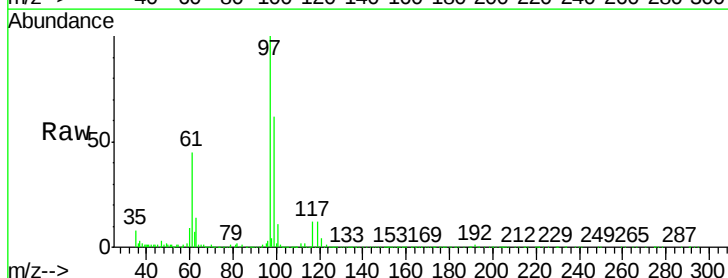
Tgt Ion: 97 Resp: 130024

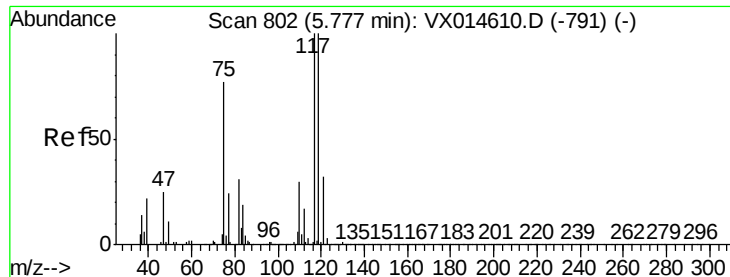
Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 47.6 36.8 55.2





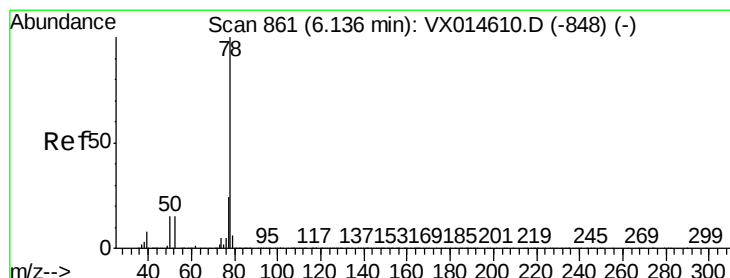
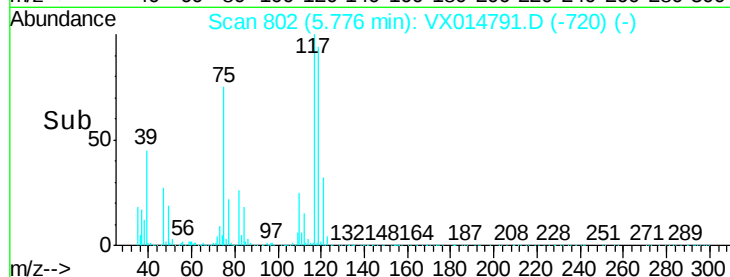
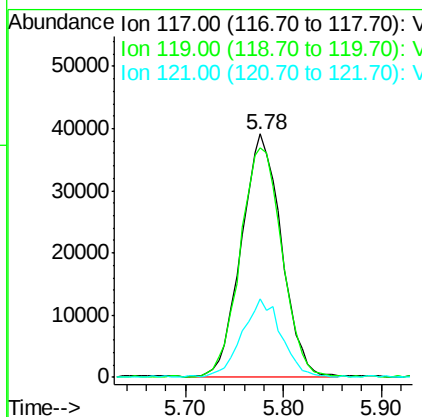
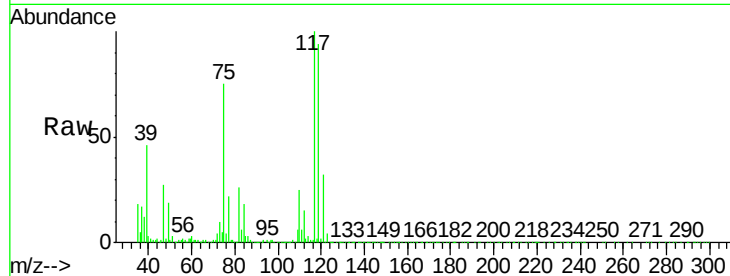
#33
Carbon Tetrachloride
Concen: 19.778 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.2	115.8
121	31.8	24.8	37.2

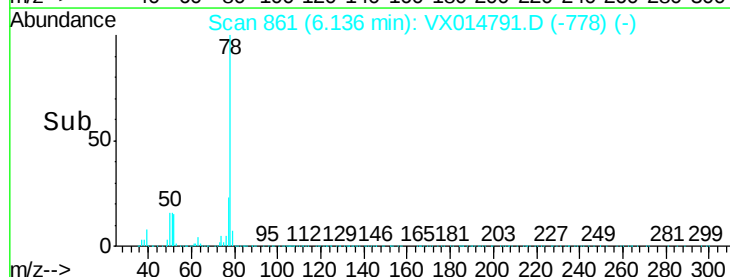
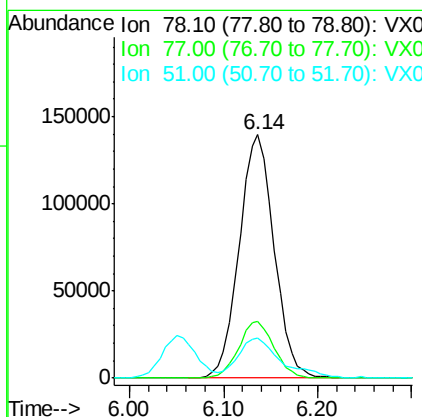
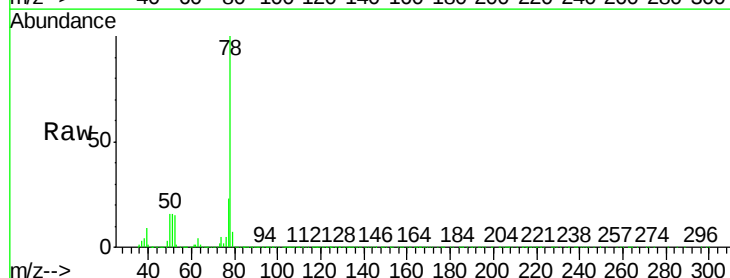
Manual Integrations
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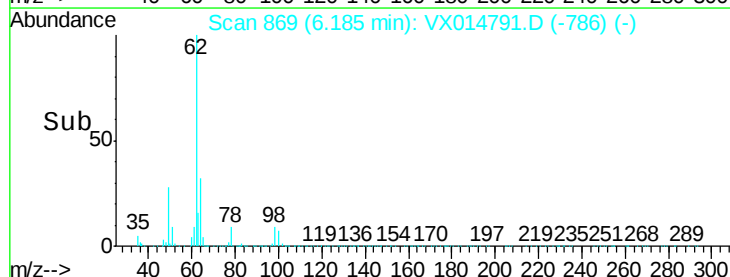
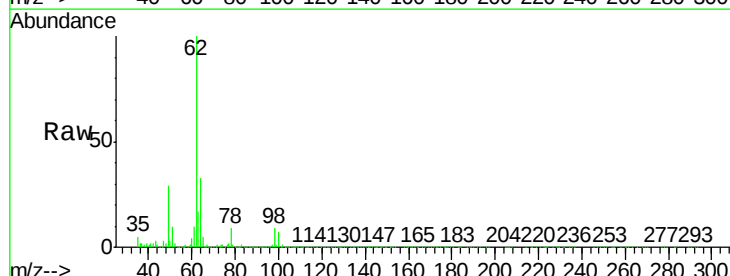
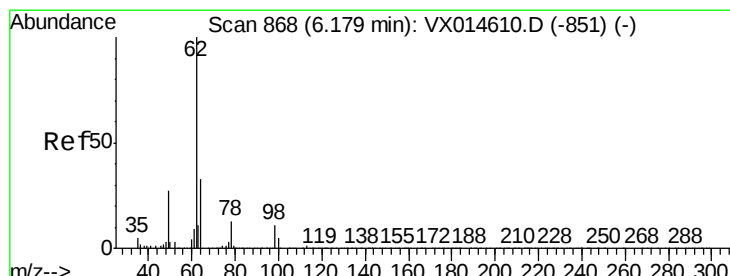
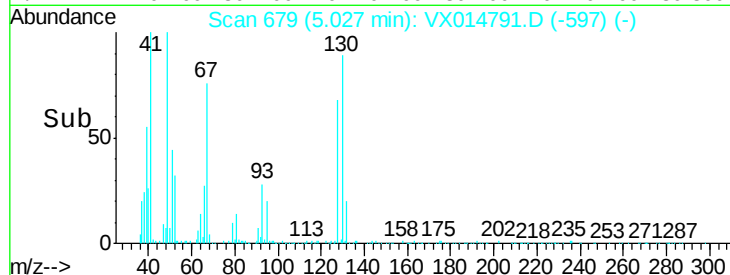
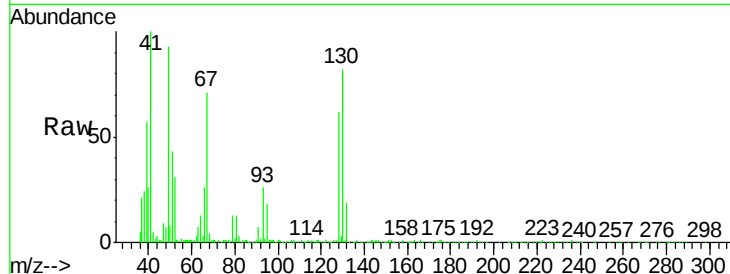
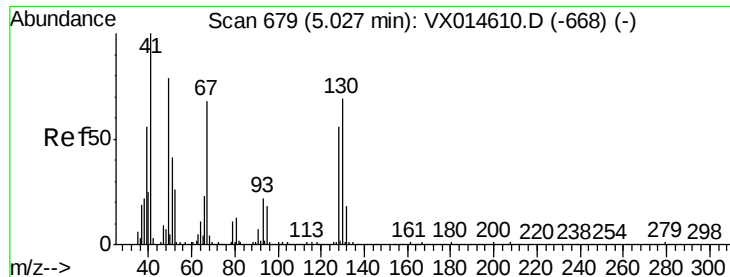
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#34
Benzene
Concen: 19.763 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

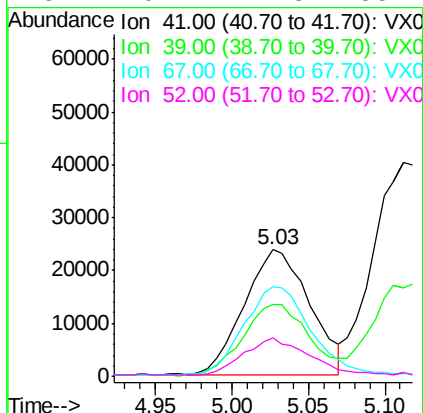
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.2
51	15.8	12.4	18.6





#35
Methacrylonitrile
Concen: 18.683 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	26.7	80.1	
67	70.6	31.5	94.5	
52	29.7	12.8	38.4	



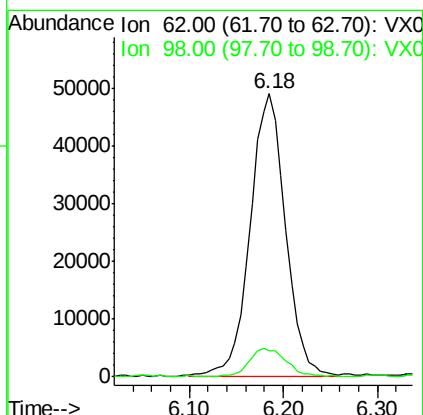
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

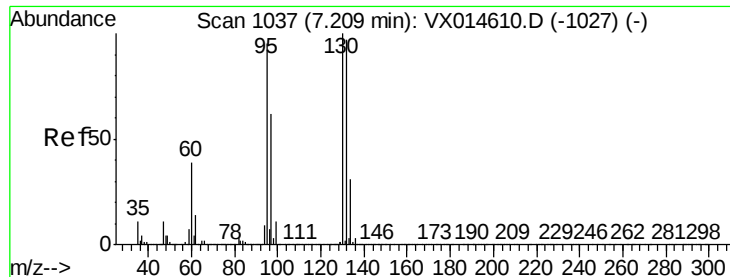
Manual Integrations
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#36
1,2-Dichloroethane
Concen: 20.240 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	8.4	12.6	





#37

Trichloroethene

Concen: 19.178 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 95935

Ion Ratio Lower Upper

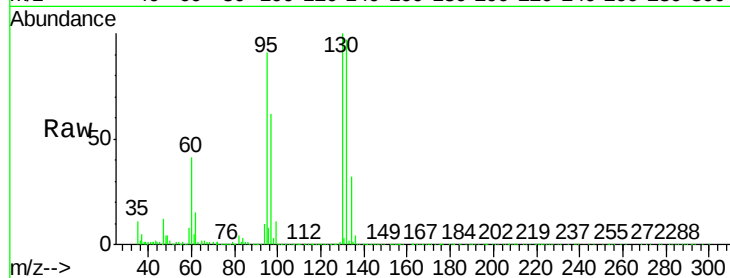
130 100

95 90.7 71.7 107.5

Manual Integrations
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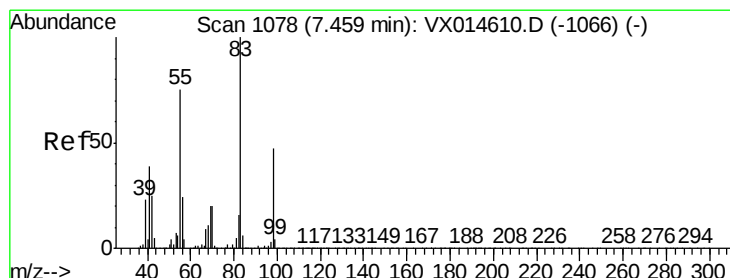
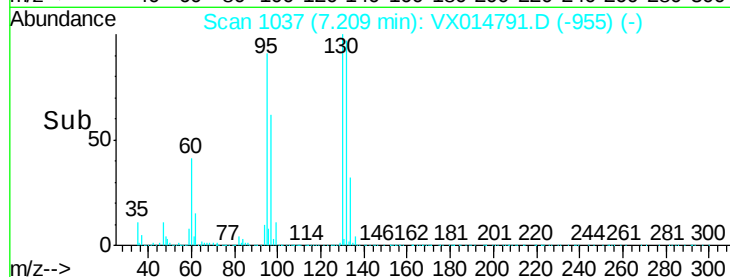
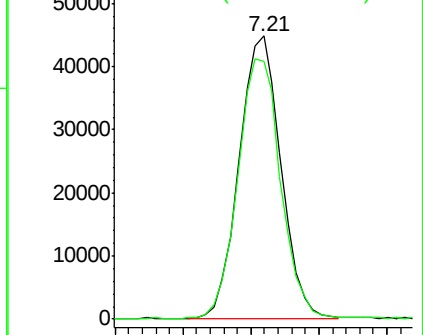
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.241 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

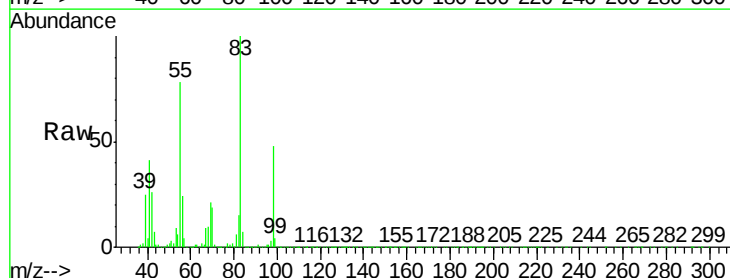
Tgt Ion: 83 Resp: 141639

Ion Ratio Lower Upper

83 100

55 78.5 39.4 118.1

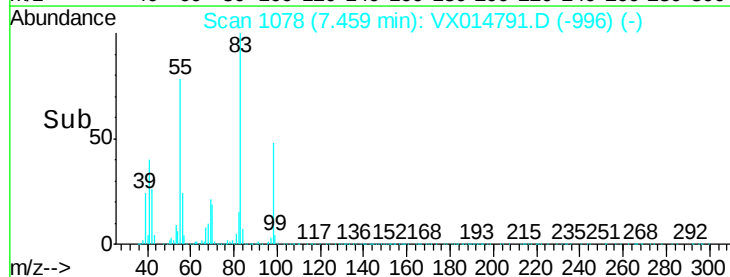
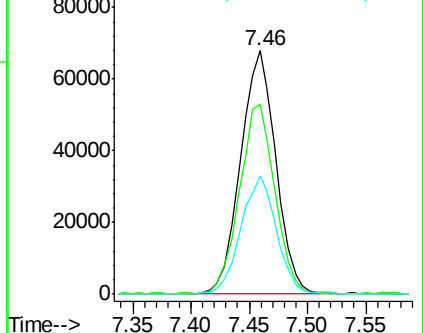
98 49.3 25.1 75.3

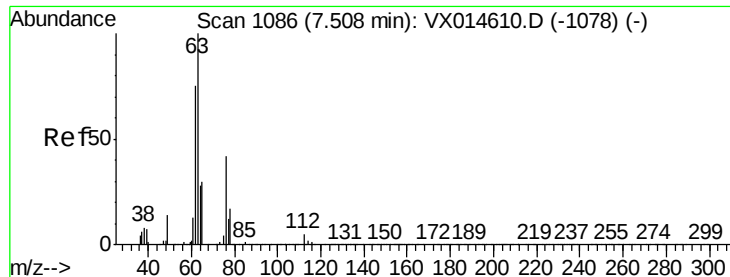


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





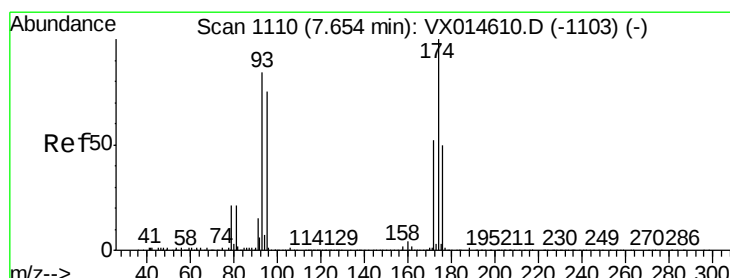
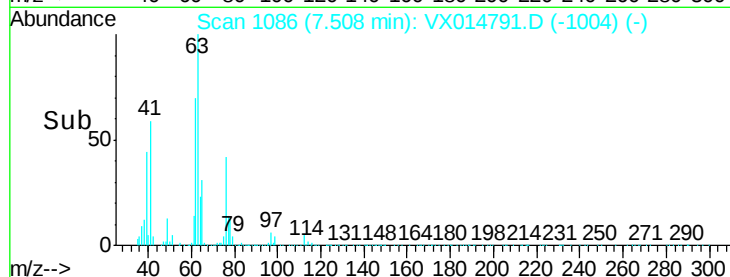
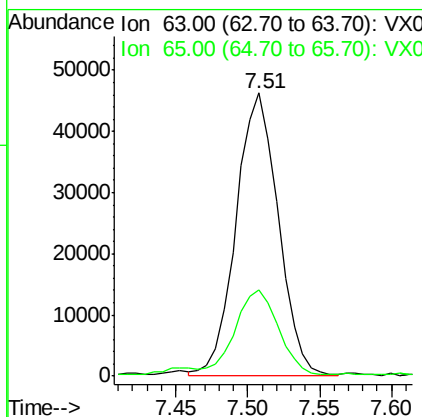
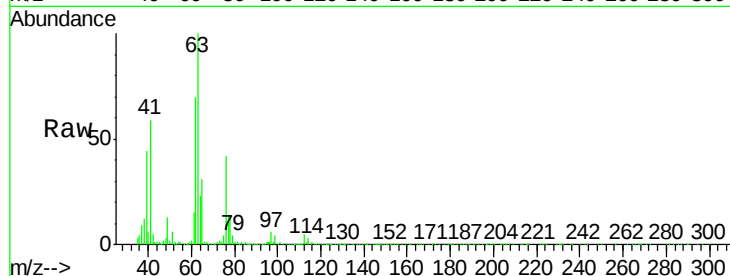
#39
 1,2-Dichloropropane
 Concen: 19.845 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	22.1	33.1

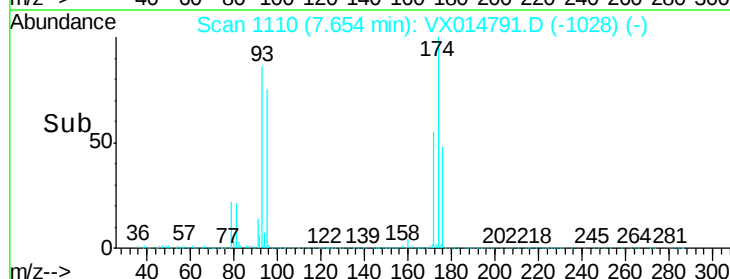
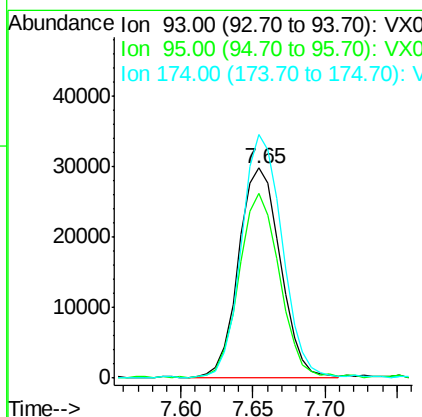
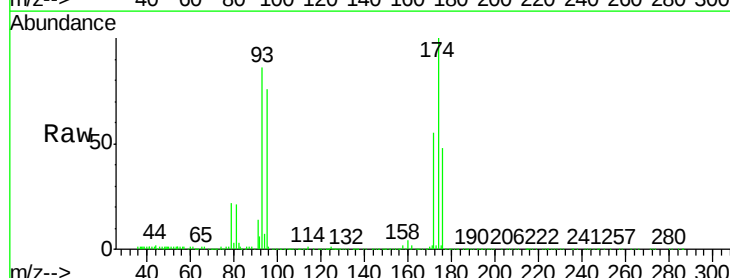
Manual Integrations
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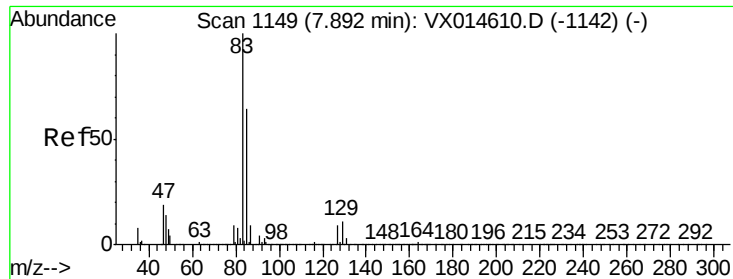
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 2/4/2020 3:32:12 PM



#40
 Dibromomethane
 Concen: 19.702 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	0.0	164.4
174	112.9	0.0	228.8





#41

Bromodichloromethane

Concen: 19.845 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

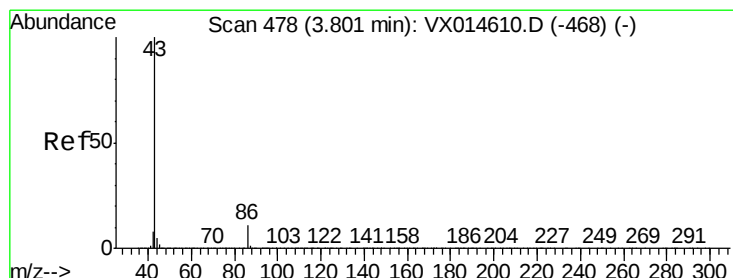
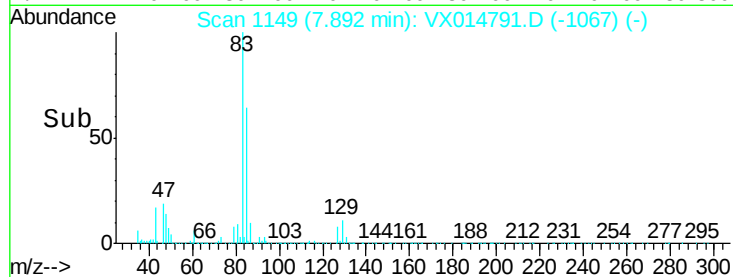
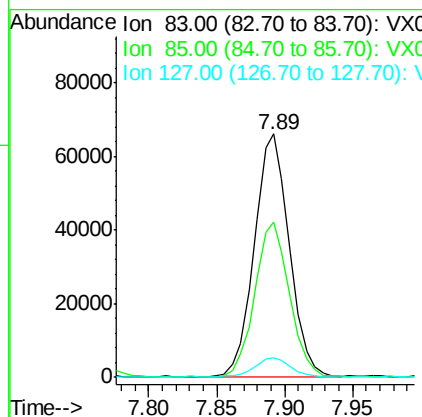
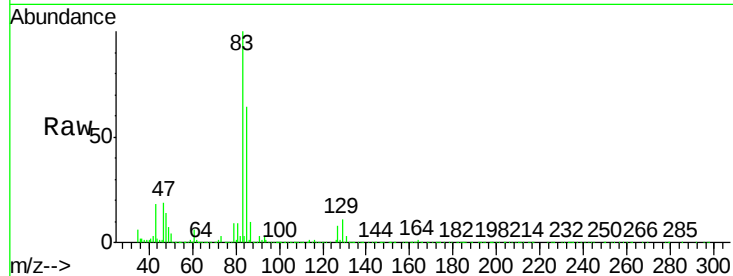
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	118655
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.6	77.4
127	7.8	6.0	9.0

Manual Integrations
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2/4/2020 3:32:12 PM



#42

Vinyl Acetate

Concen: 101.335 ug/l

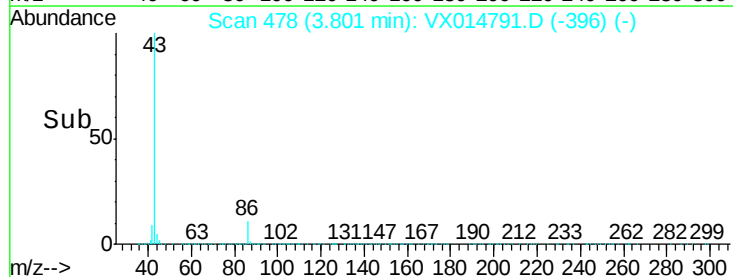
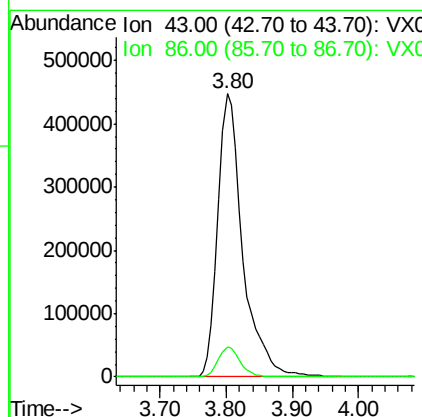
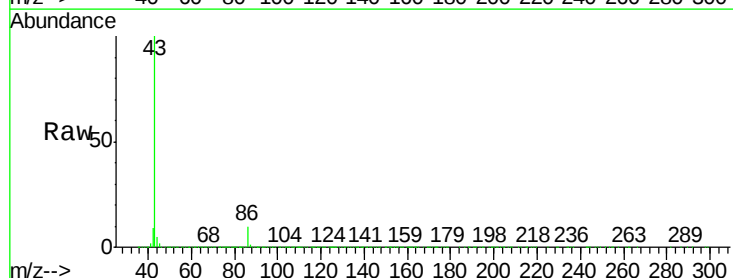
RT: 3.80 min Scan# 478

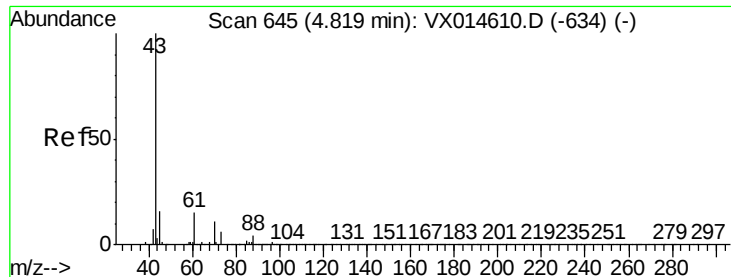
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	43	Resp:	1169781
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.7	11.5





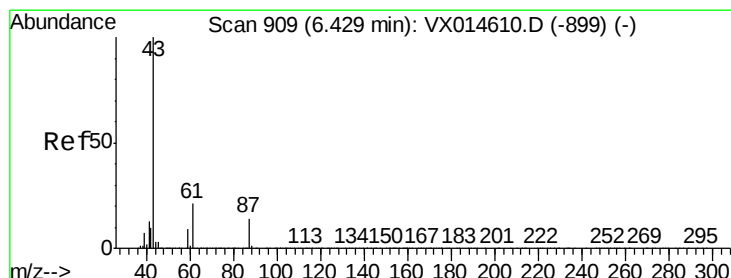
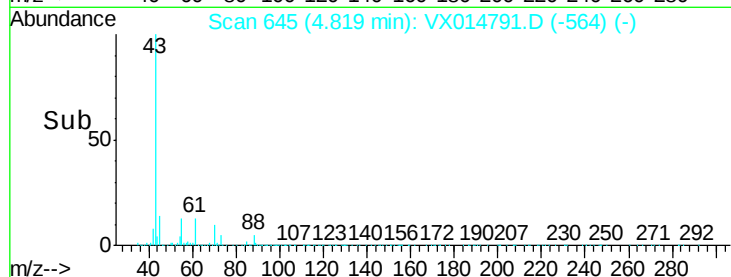
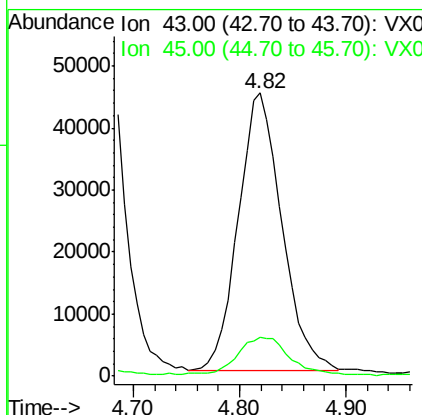
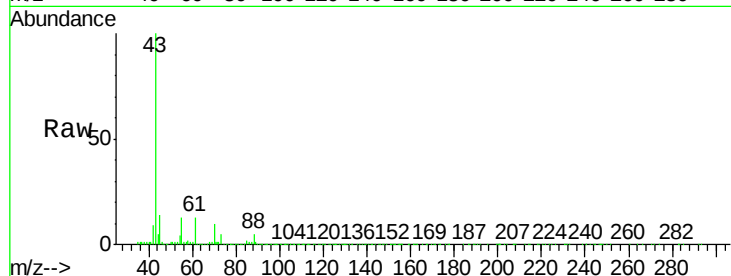
#43
Ethyl Acetate
Concen: 18.894 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	16.0	11.8	17.8

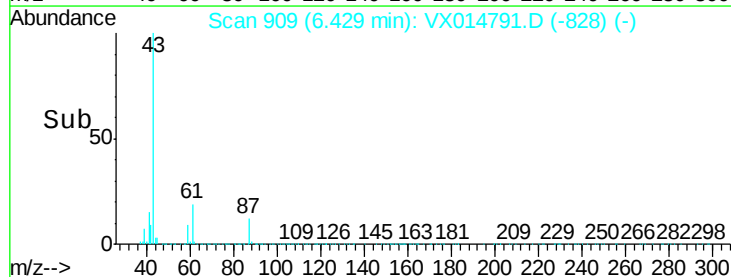
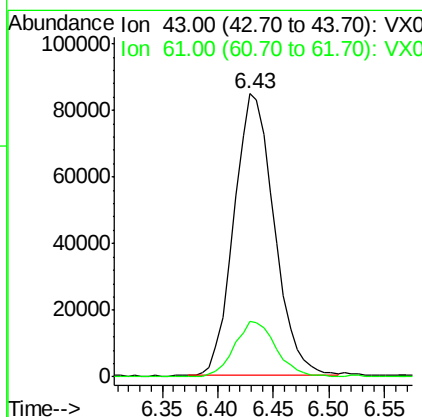
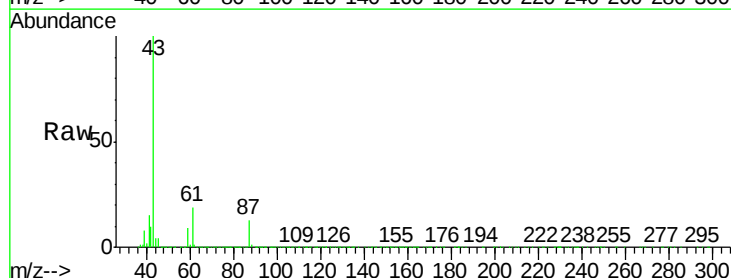
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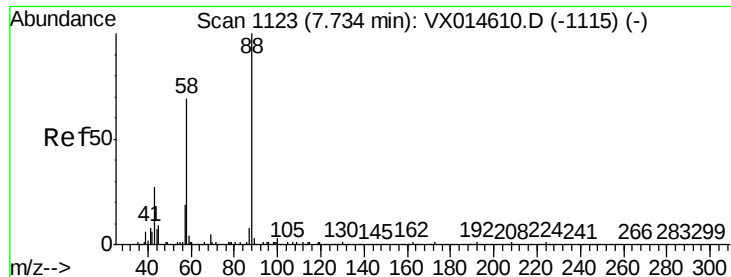
MMDadoda
2/4/2020 3:32:12 PM



#44
Isopropyl Acetate
Concen: 19.523 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.9	23.9





#45

1,4-Dioxane

Concen: 357.267 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

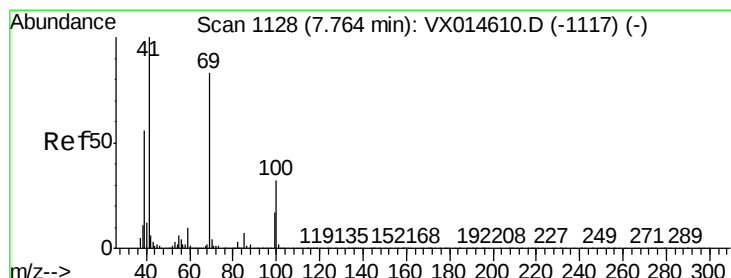
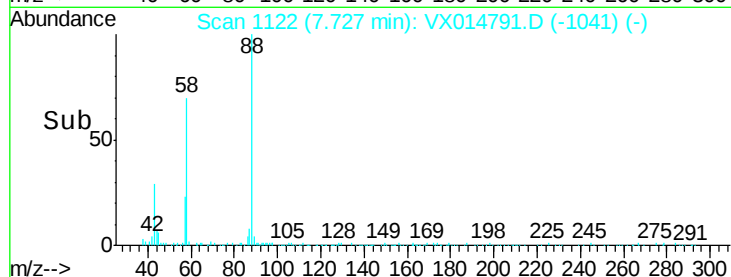
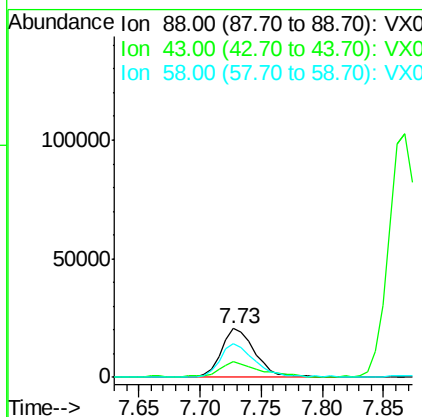
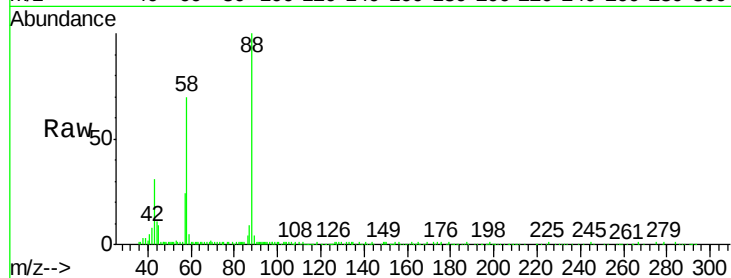
ClientSampleId :

VSTDCCC020

Tot Ion:	88	Resp:	39087
Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.4	38.2
58	70.4	56.5	84.7

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#46

Methyl methacrylate

Concen: 19.462 ug/l

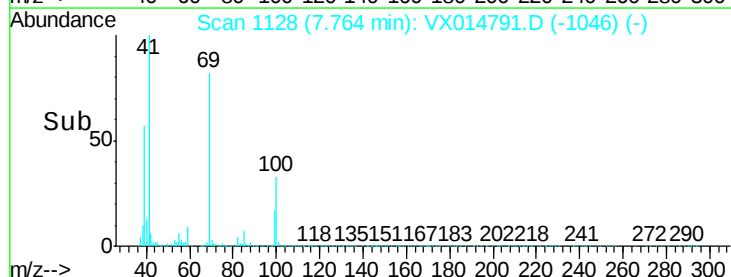
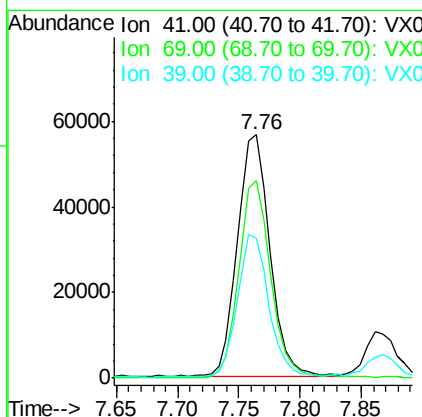
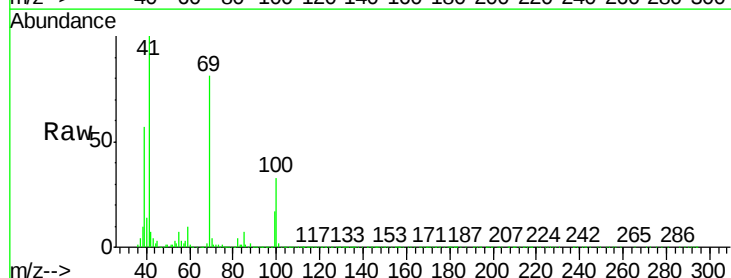
RT: 7.76 min Scan# 1128

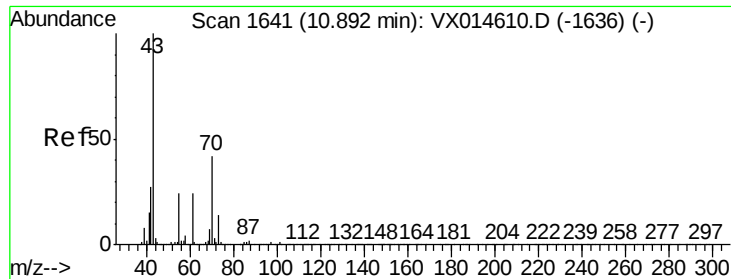
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	41	Resp:	104680
Ion	Ratio	Lower	Upper
41	100		
69	81.8	40.6	122.0
39	57.4	27.8	83.3





#47

n-amvl Acetate

Concen: 20.594 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 188730

Ion Ratio Lower Upper

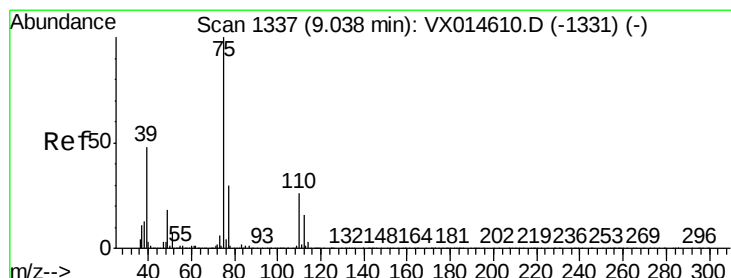
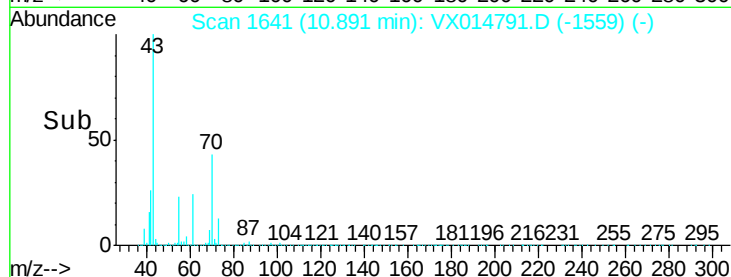
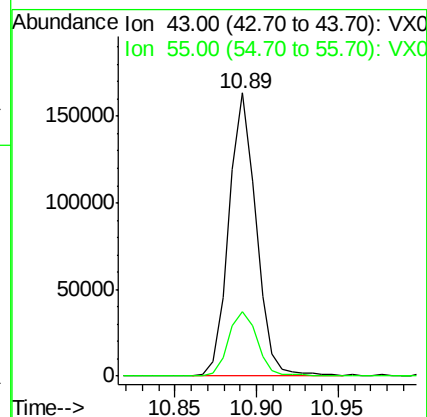
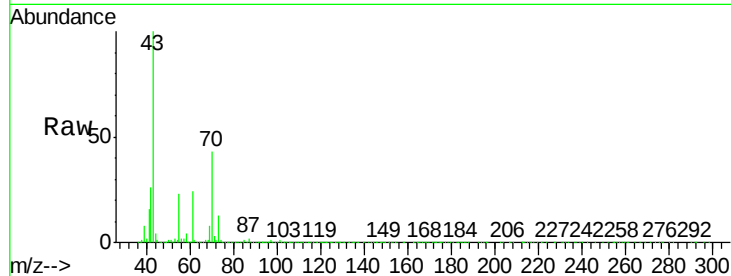
43 100

55 24.3 19.4 29.2

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#48

t-1,3-Dichloropropene

Concen: 20.166 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014791.D

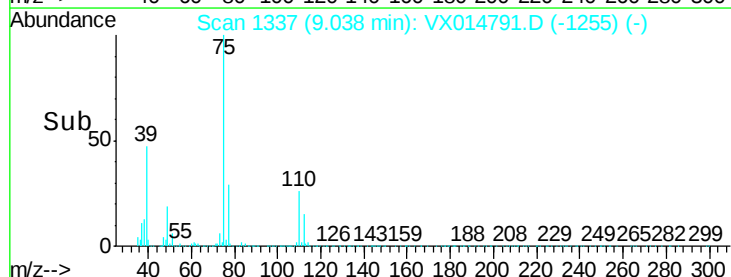
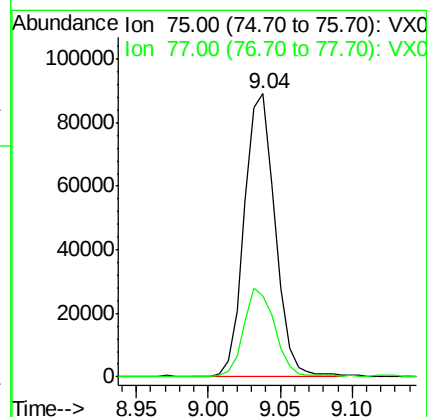
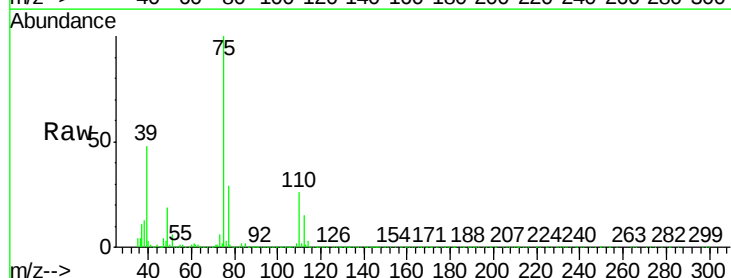
Acq: 03 Feb 2020 12:28

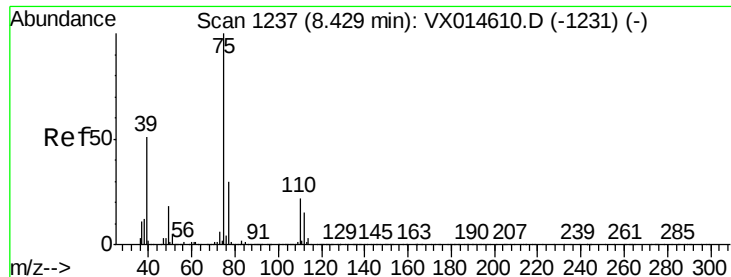
Tgt Ion: 75 Resp: 131635

Ion Ratio Lower Upper

75 100

77 28.5 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.962 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

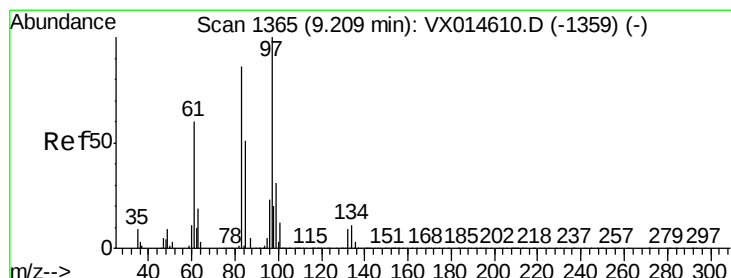
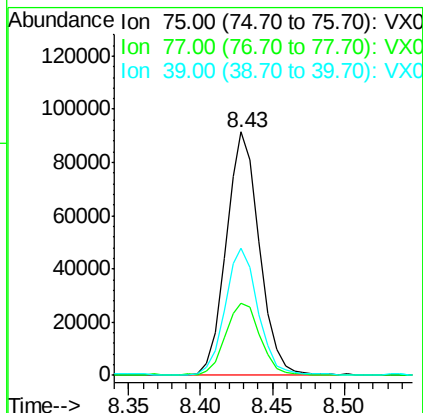
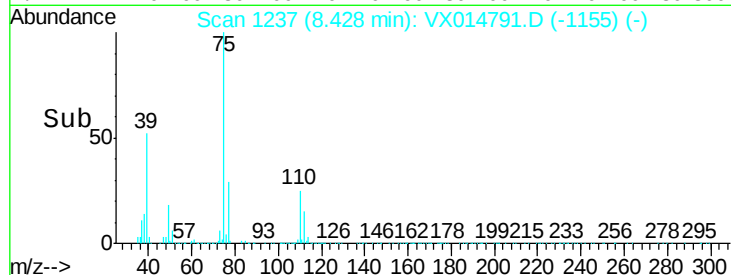
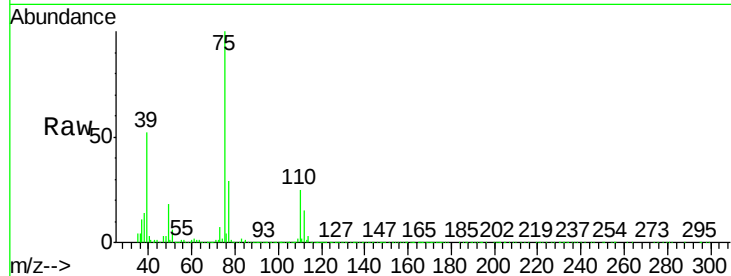
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	146825
Ion Ratio		Lower	Upper
75	100		
77	29.3	24.8	37.2
39	52.2	41.1	61.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.666 ug/l

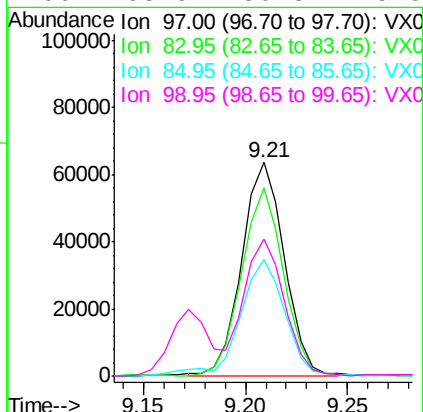
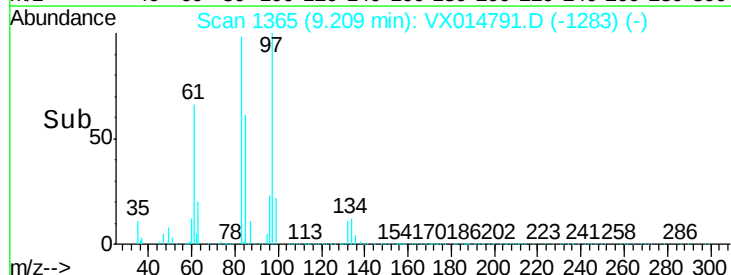
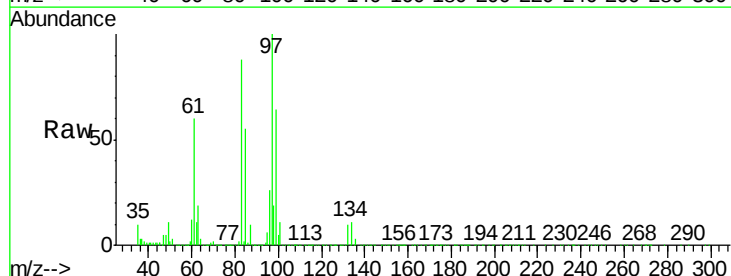
RT: 9.21 min Scan# 1365

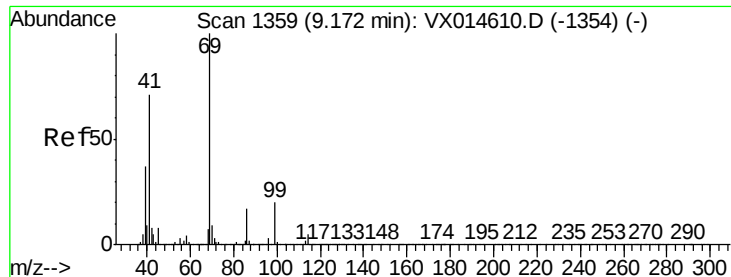
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	97	Resp:	91365
Ion Ratio		Lower	Upper
97	100		
83	88.8	68.1	102.1
85	54.5	42.7	64.1
99	63.9	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.292 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

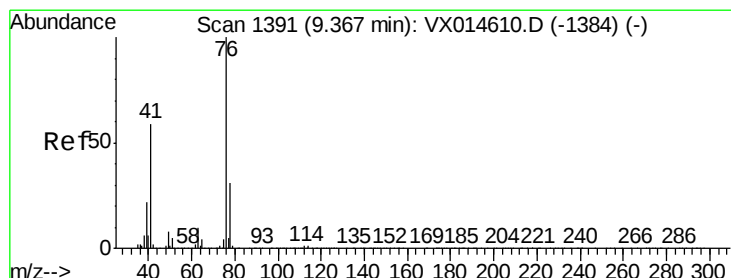
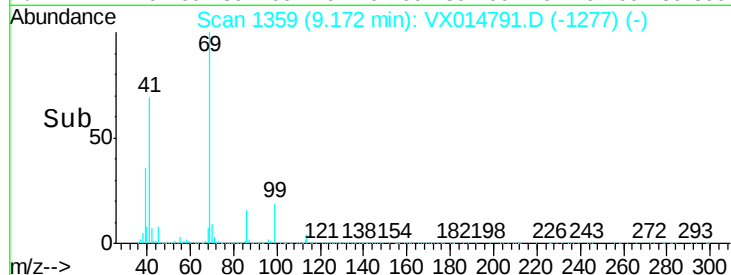
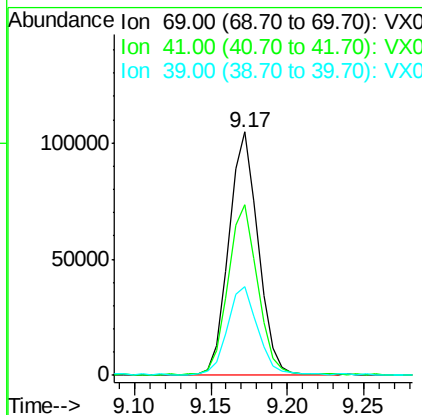
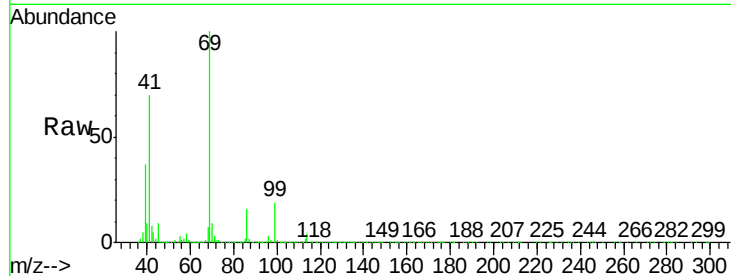
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	139555
Ion Ratio	Lower	Upper	
69	100		
41	69.9	35.4	106.1
39	36.4	17.8	53.3

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#52

1,3-Dichloropropane

Concen: 19.785 ug/l

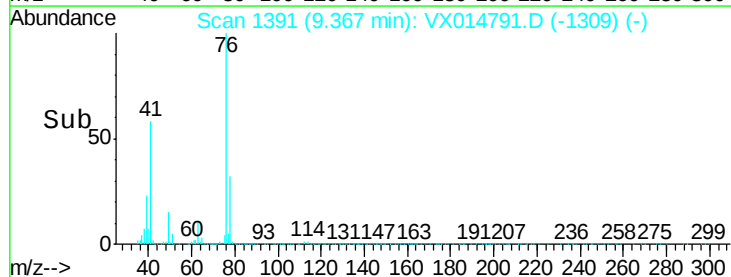
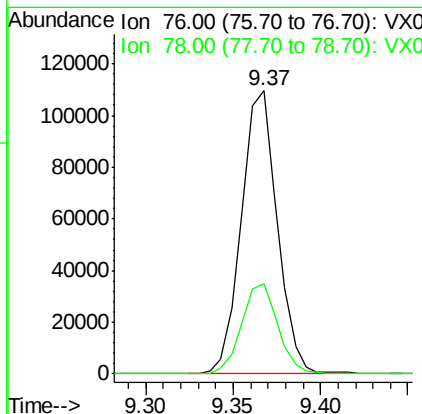
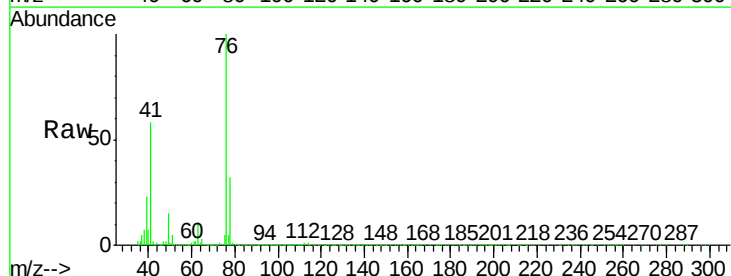
RT: 9.37 min Scan# 1391

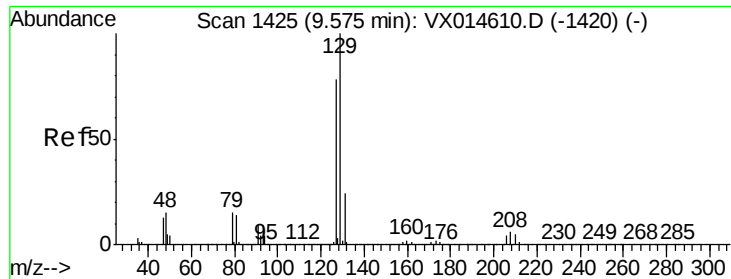
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	76	Resp:	155741
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	63.4





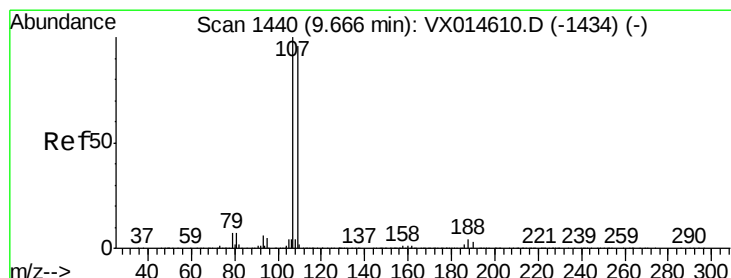
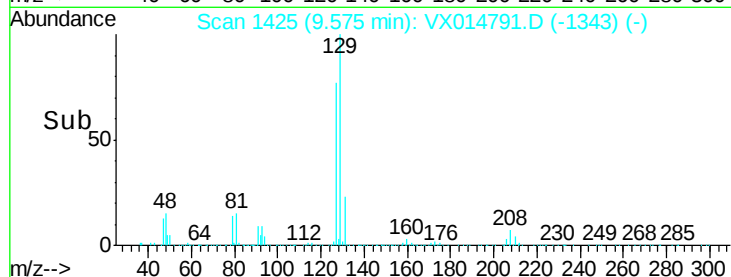
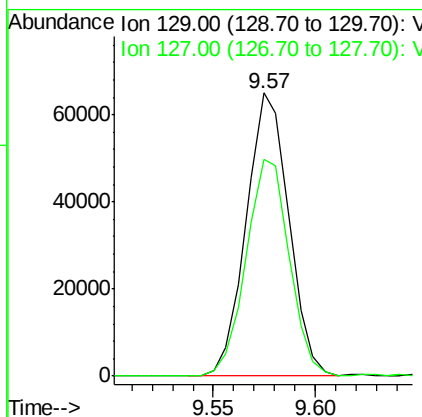
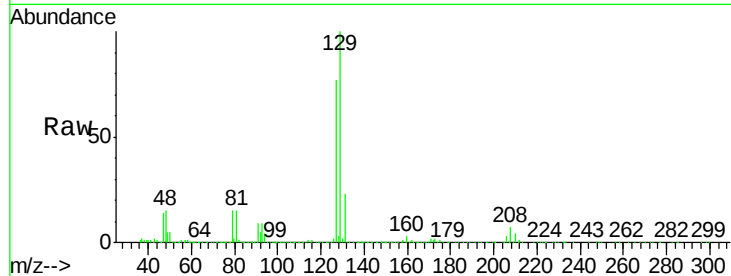
#53
 Dibromochloromethane
 Concen: 19.904 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.5

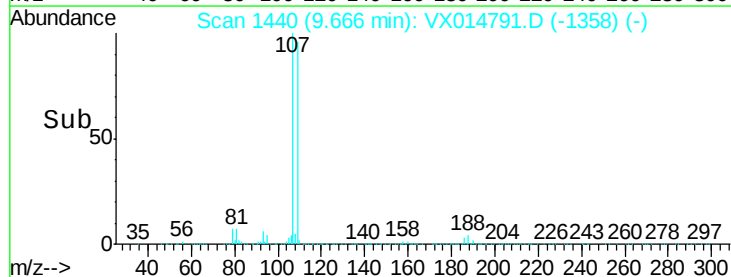
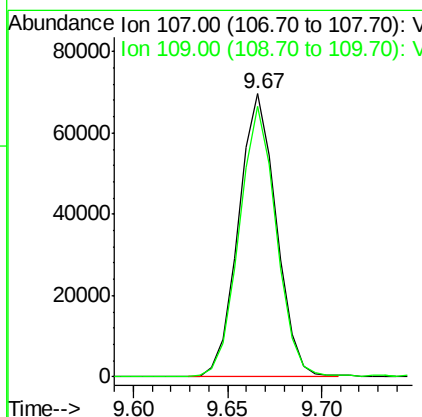
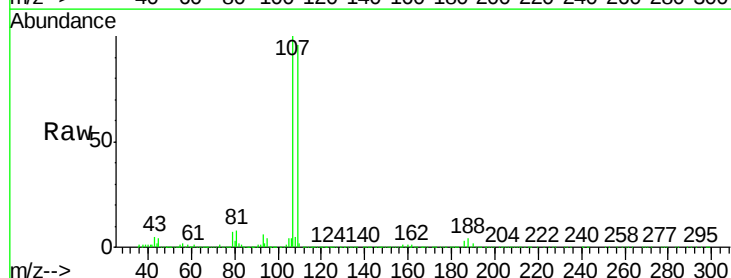
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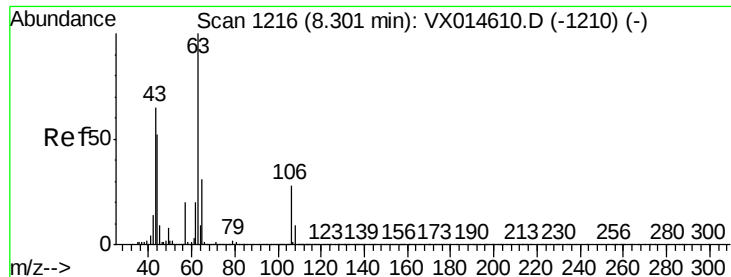
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 19.953 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	77.2	115.8





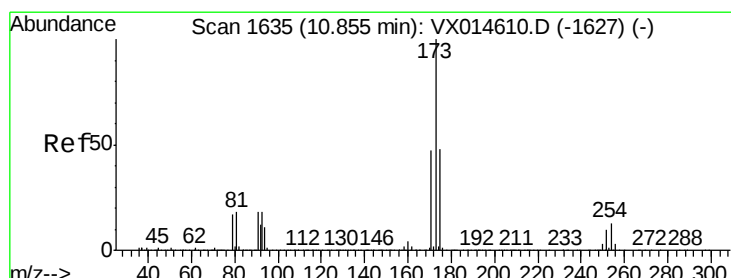
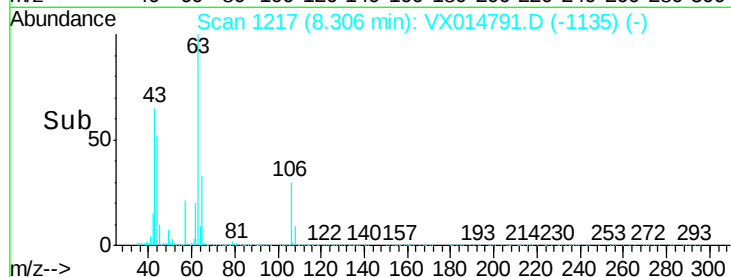
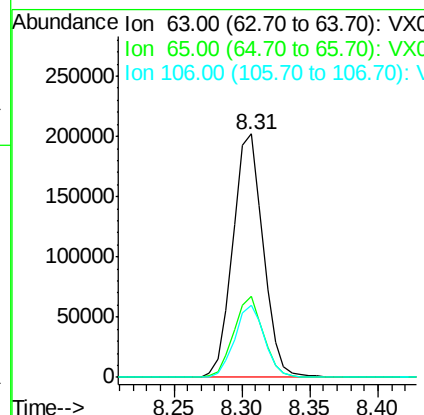
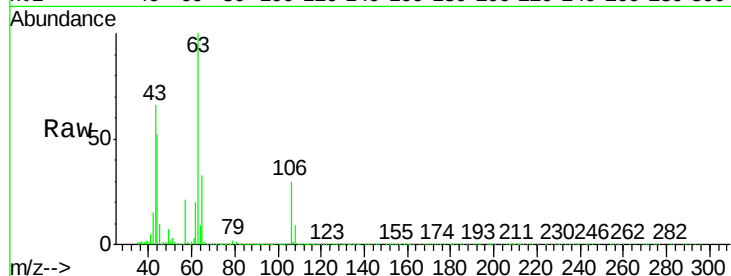
#55
2-Chloroethyl vinyl ether
Concen: 94.072 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.6
106	29.1	22.9	34.3

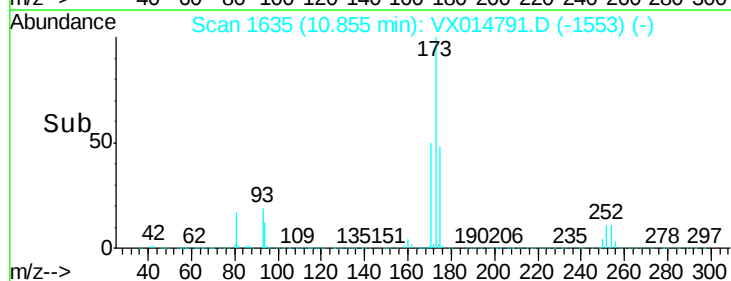
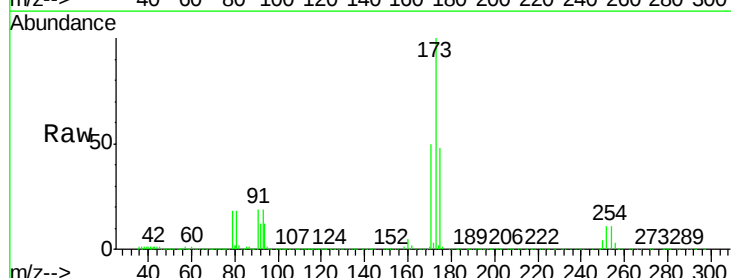
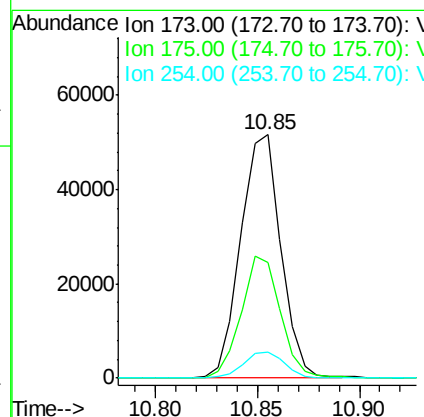
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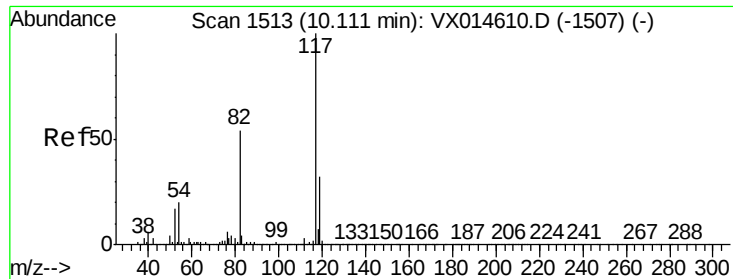
MMDadoda
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#56
Bromoform
Concen: 19.247 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.5	59.3
254	10.9	8.2	12.4





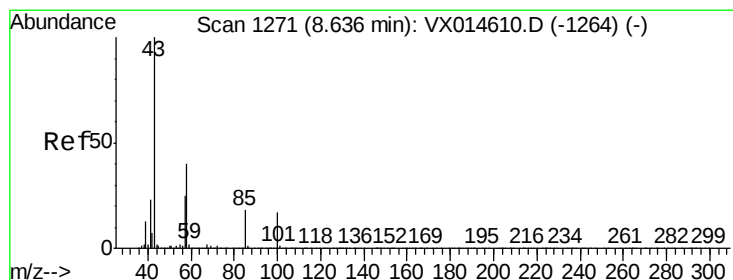
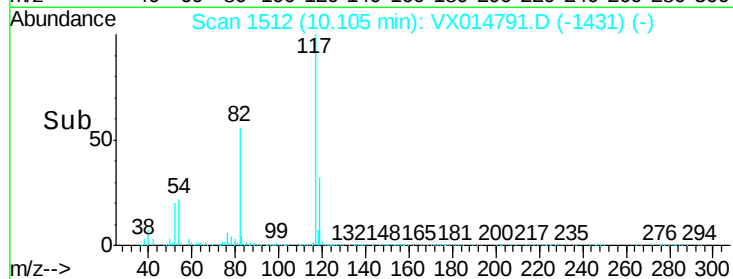
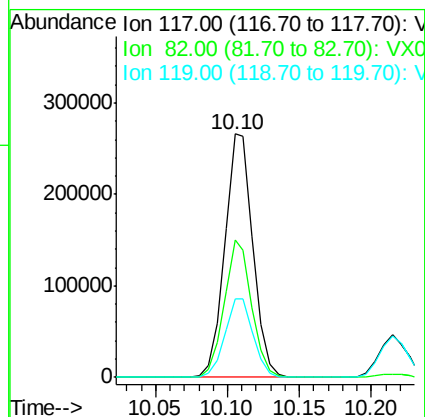
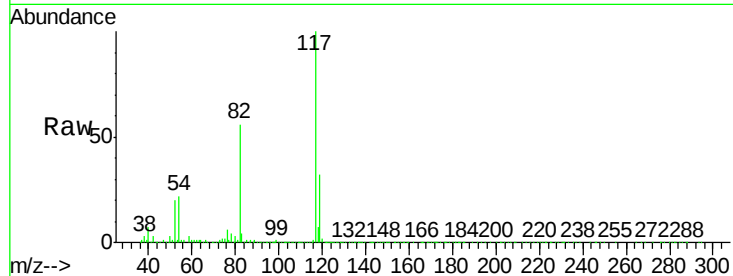
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.8	65.6
119	32.4	25.8	38.6

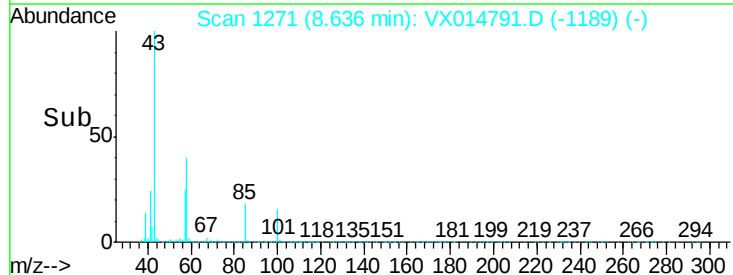
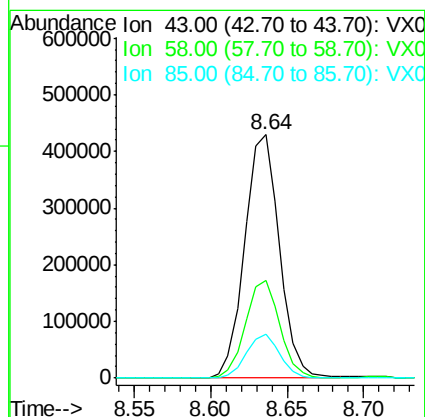
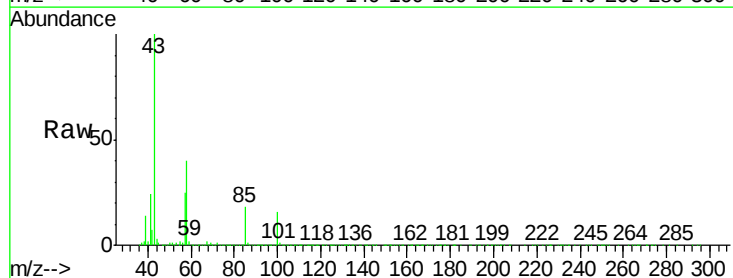
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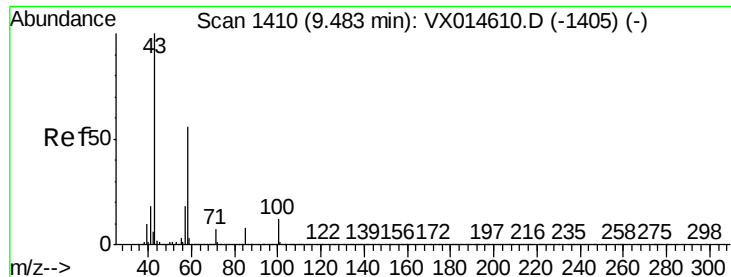
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 98.193 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	17.6	14.2	21.2





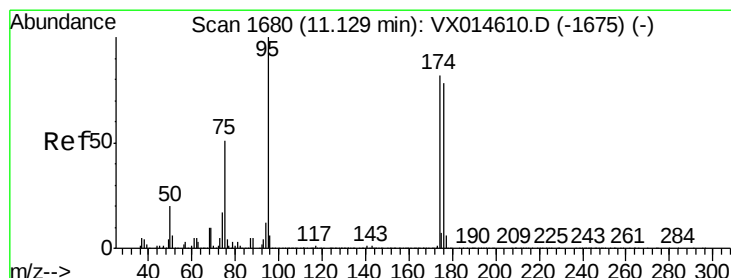
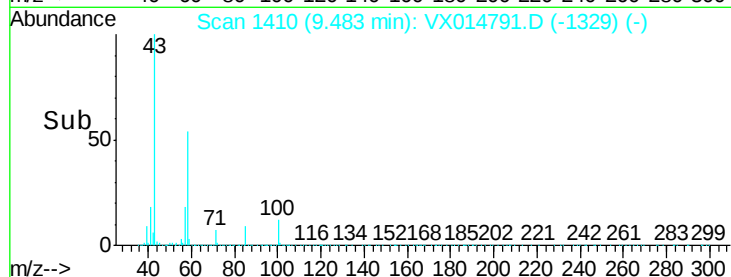
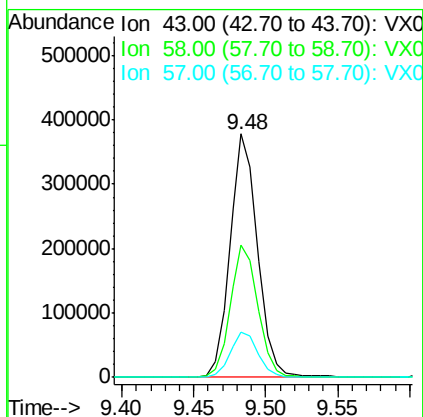
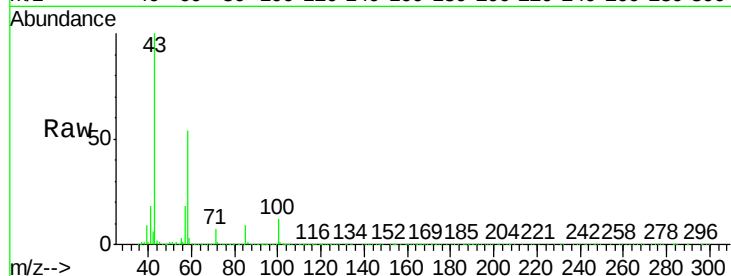
#59
2-Hexanone
Concen: 94.585 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.8	65.6
57	18.7	15.4	23.0

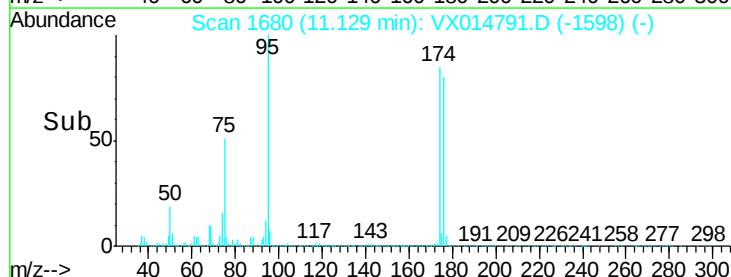
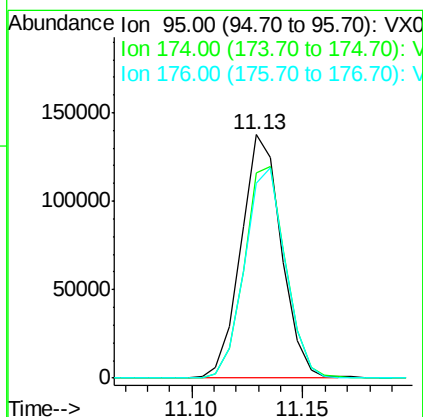
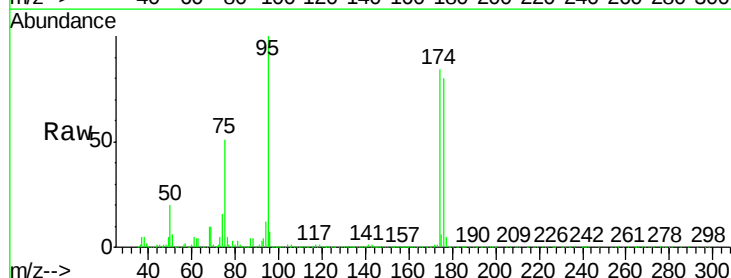
Manual Integrations
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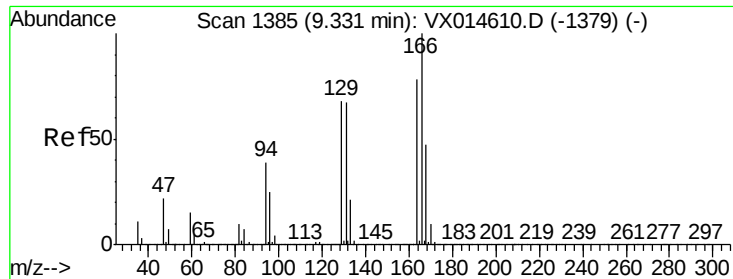
MMDadoda
2/4/2020 3:32:12 PM



#60
4-Bromofluorobenzene
Concen: 29.694 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	70.2	105.2
176	87.4	68.3	102.5





#61

Tetrachloroethene

Concen: 18.150 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

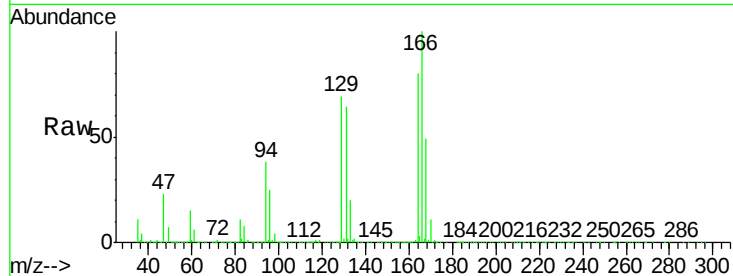
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	98257
Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.2	156.2
129	86.5	71.6	107.4
131	80.4	71.7	107.5

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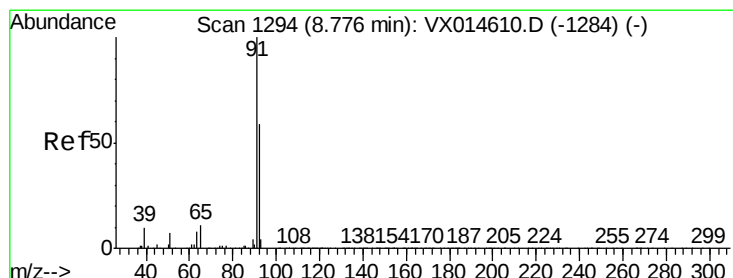
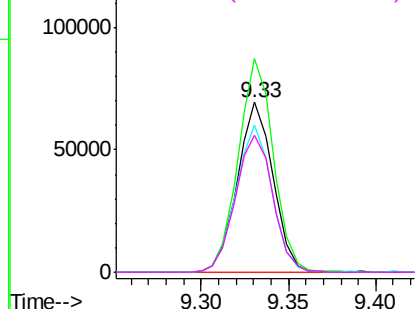
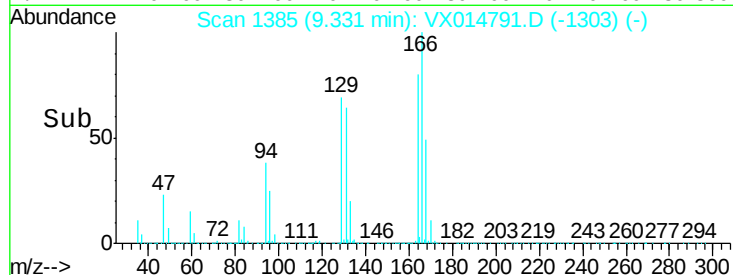


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.902 ug/l

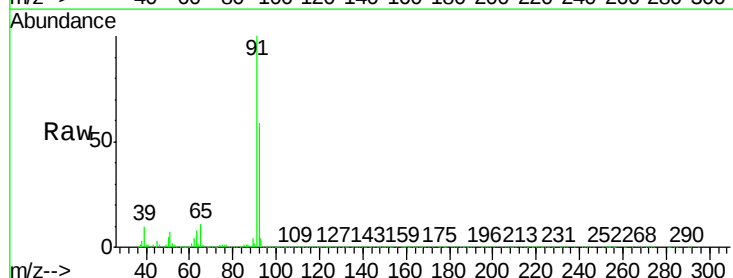
RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014791.D

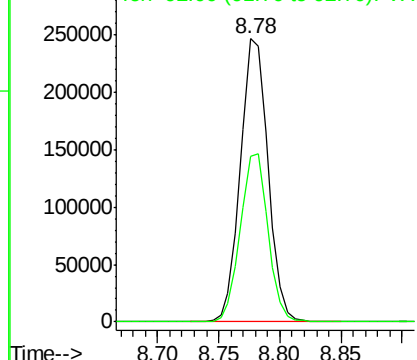
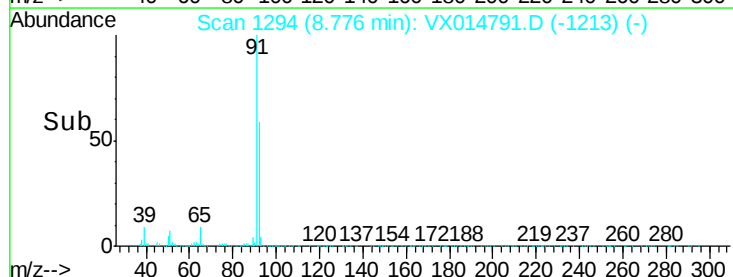
Acq: 03 Feb 2020 12:28

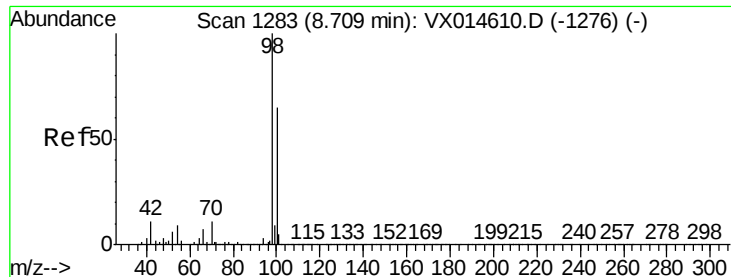
Tgt Ion:	91	Resp:	386747
Ion	Ratio	Lower	Upper
91	100		
92	59.2	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.442 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 503629

Ion Ratio Lower Upper

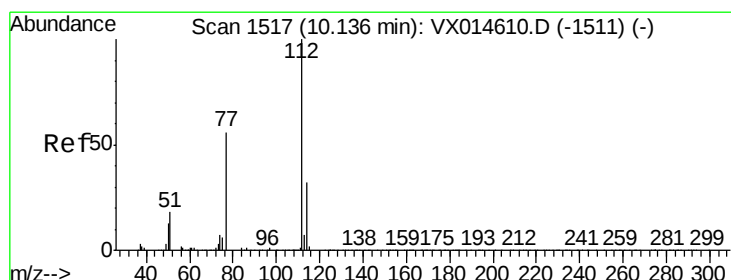
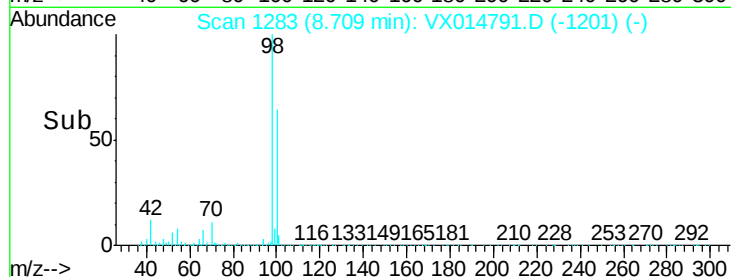
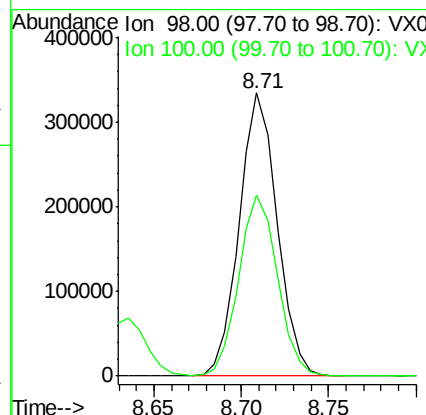
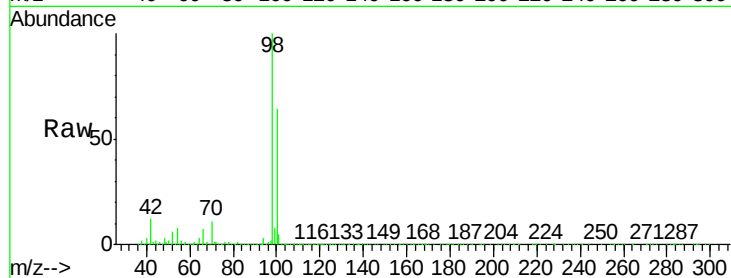
98 100

100 65.2 52.2 78.2

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#64

Chlorobenzene

Concen: 19.938 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014791.D

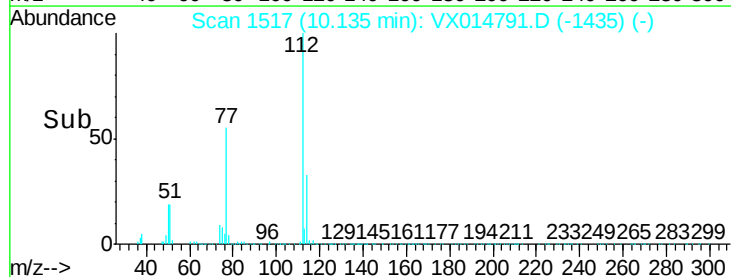
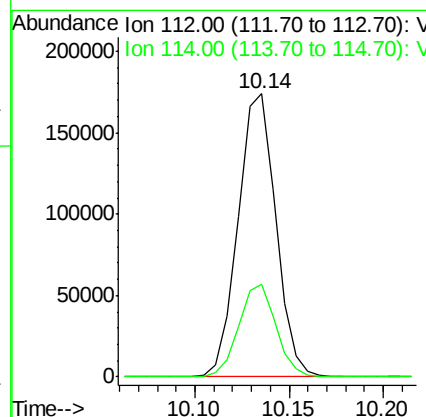
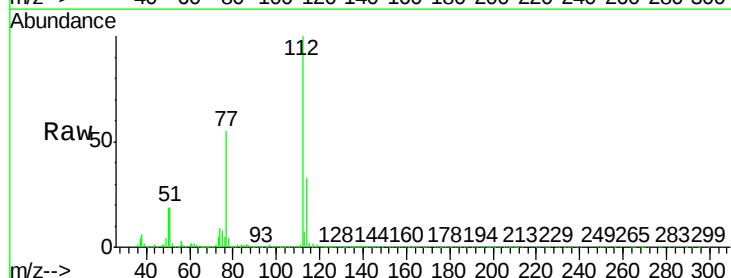
Acq: 03 Feb 2020 12:28

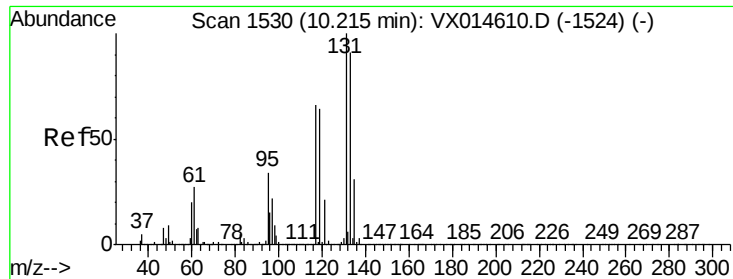
Tgt Ion: 112 Resp: 241867

Ion Ratio Lower Upper

112 100

114 32.9 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.380 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

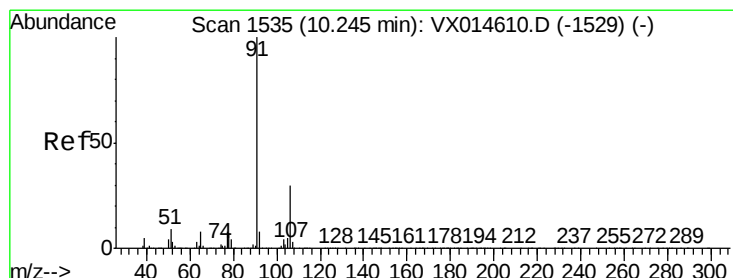
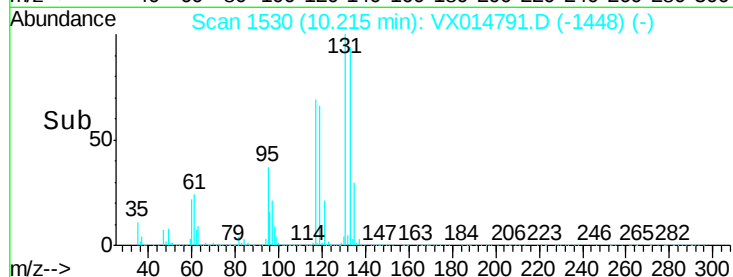
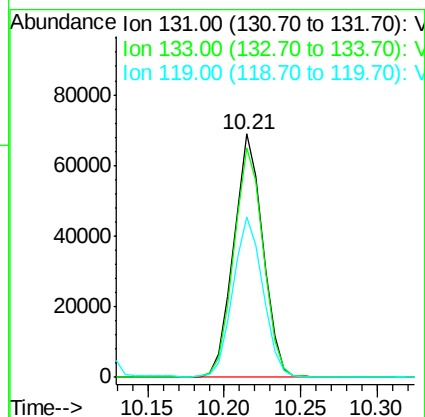
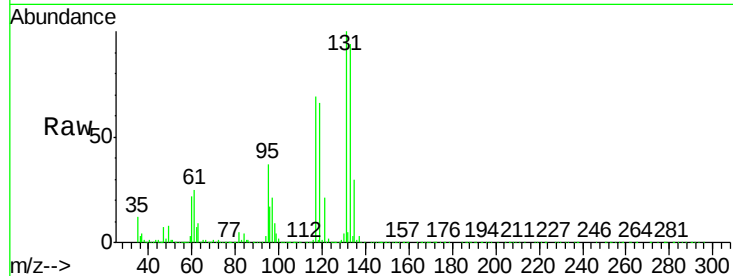
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	91309
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	189.8
119	66.6	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.703 ug/l

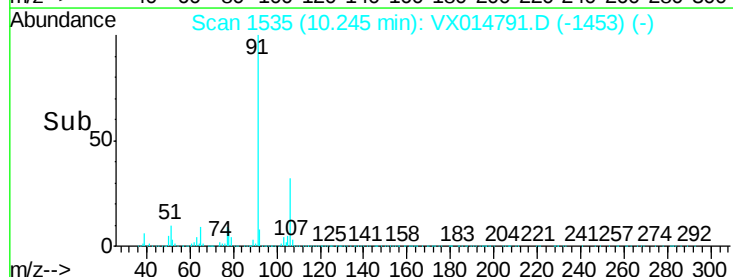
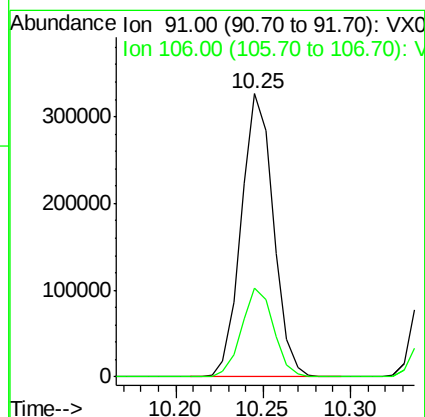
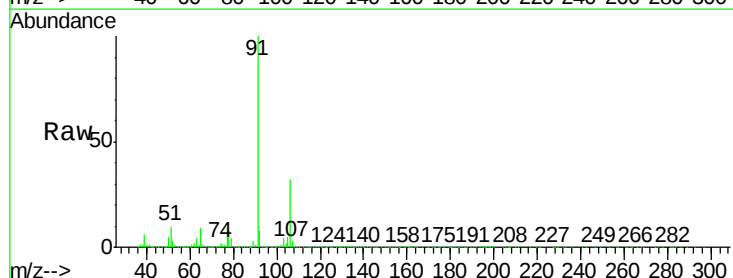
RT: 10.25 min Scan# 1535

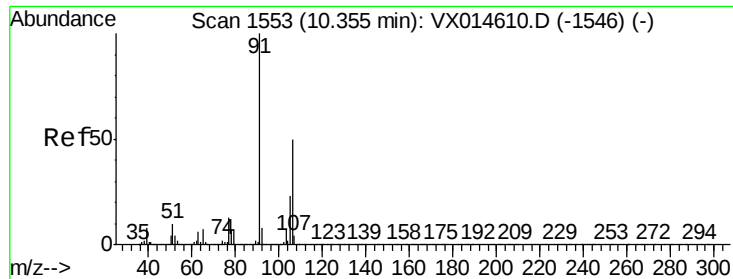
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	91	Resp:	417019
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.2	36.2





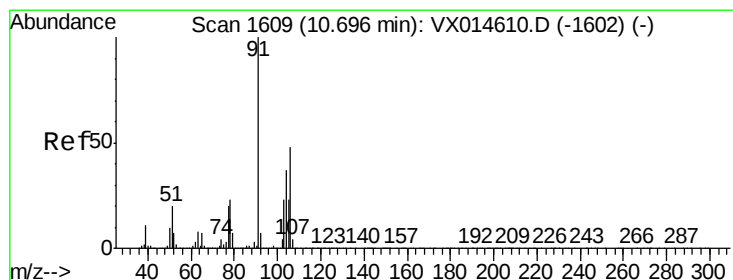
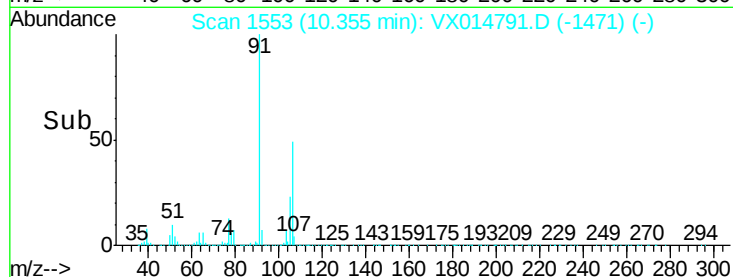
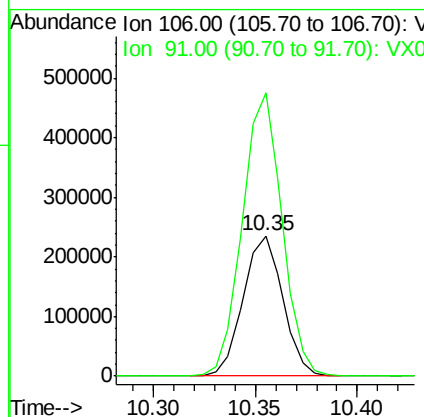
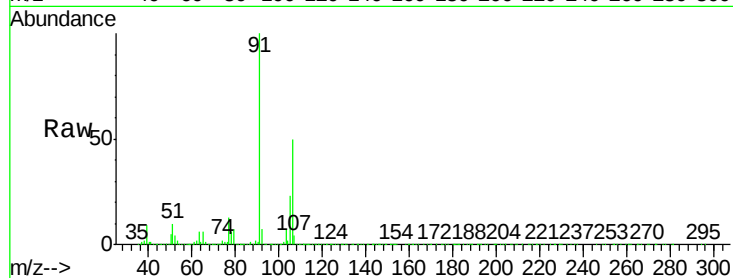
#67
m/p-Xylenes
Concen: 38.999 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.0	159.3	238.9

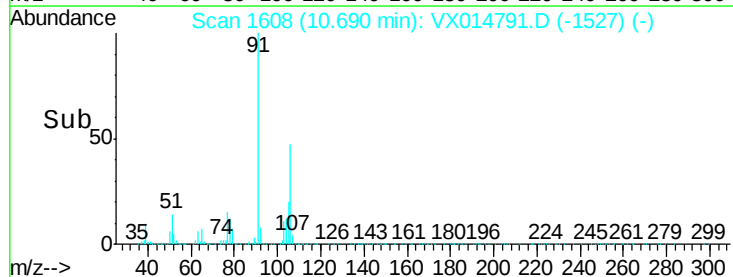
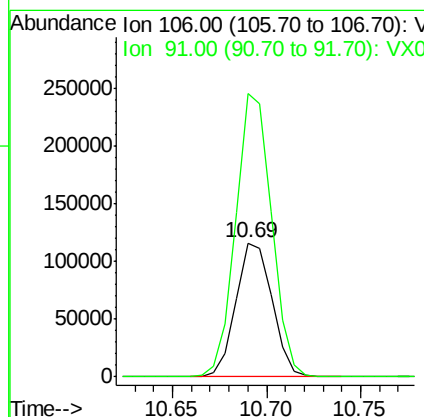
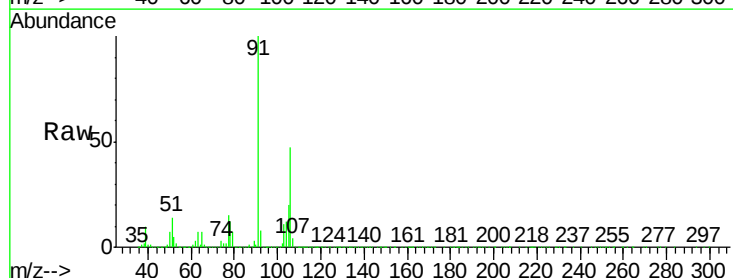
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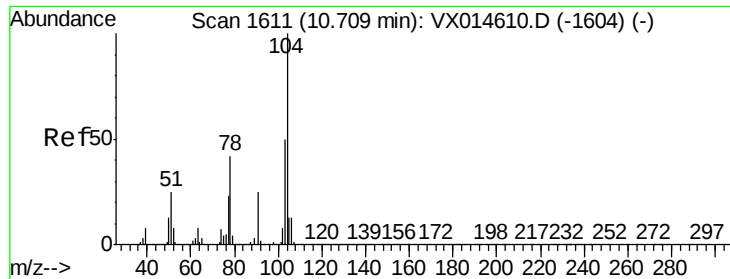
MMDadoda
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#68
o-Xylene
Concen: 19.616 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.8	104.8	314.6





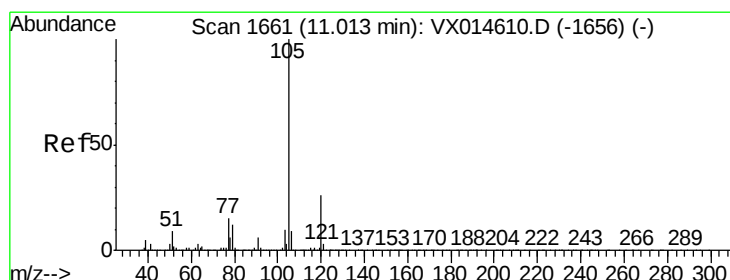
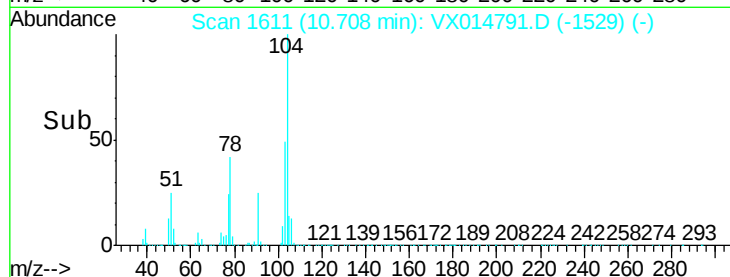
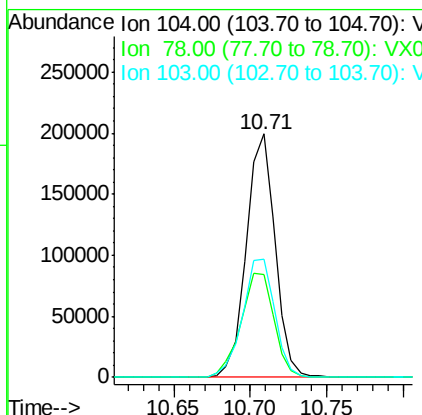
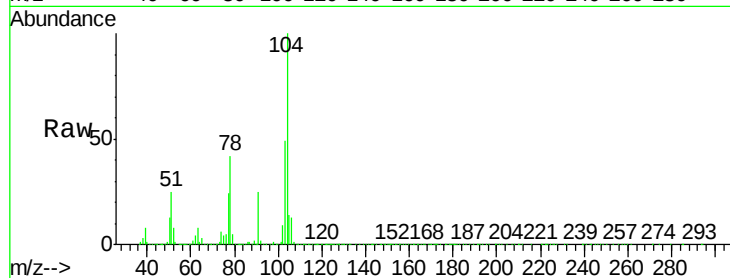
#69
Stvrene
Concen: 19.493 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.9	58.3
103	54.1	44.2	66.2

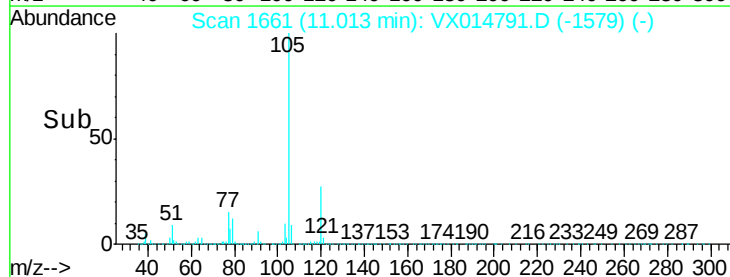
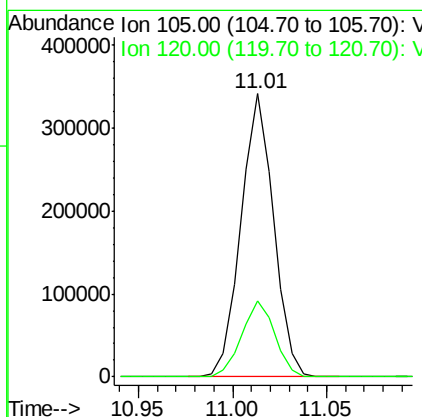
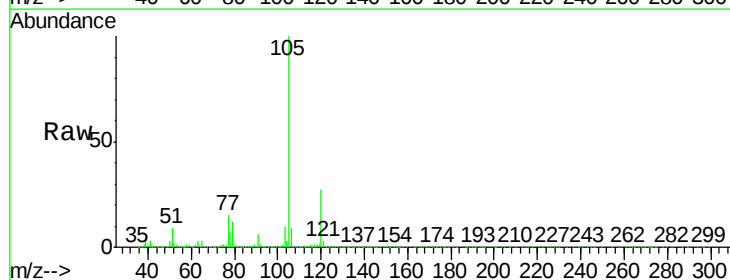
Manual Integrations
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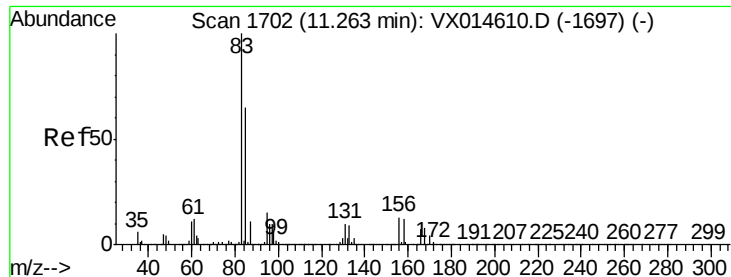
MMDadoda
2/4/2020 3:32:12 PM



#70
Isopropylbenzene
Concen: 19.904 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.1	35.5





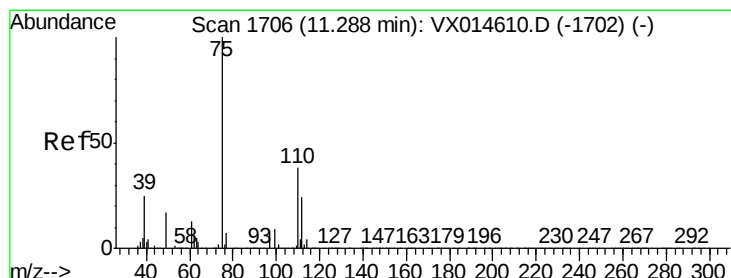
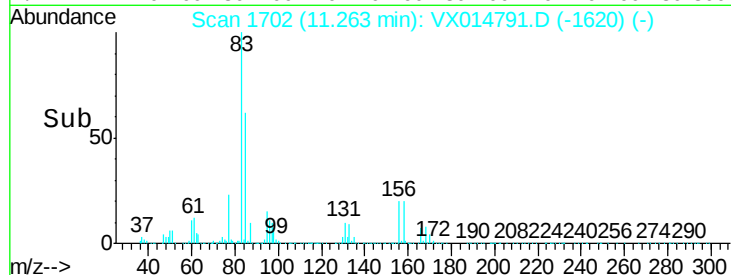
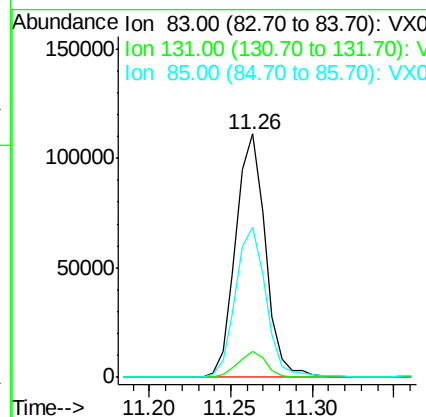
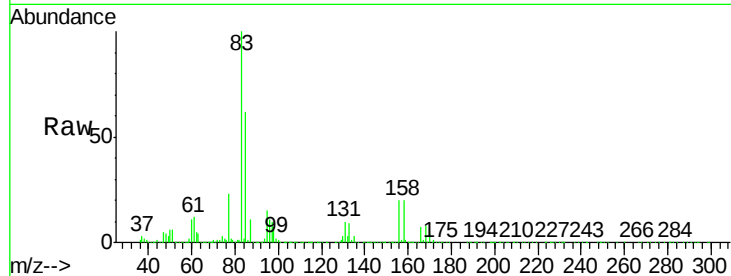
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.291 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
83	100		
131	10.4	4.9	14.7
85	63.2	31.6	94.7

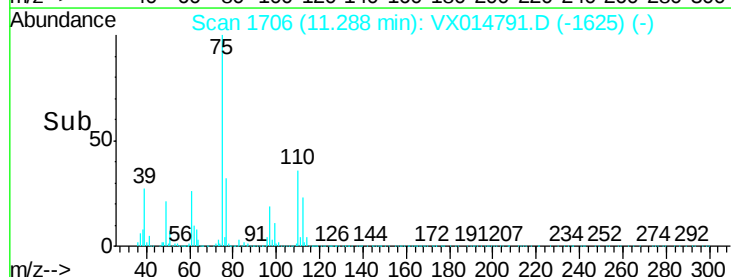
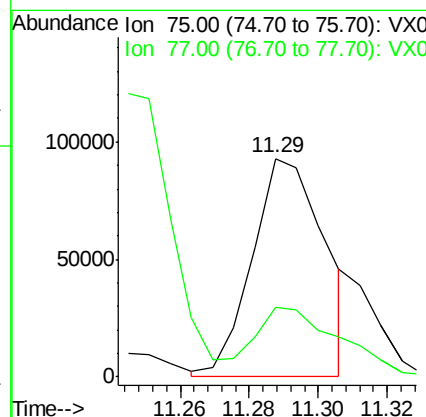
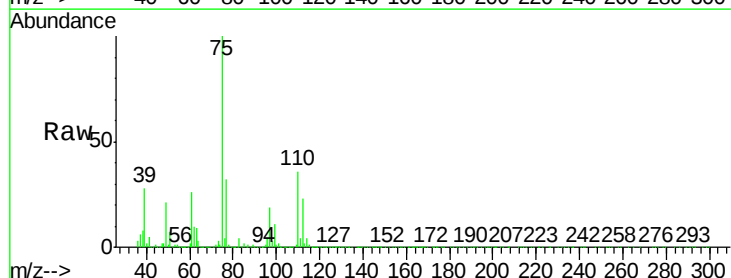
Manual Integrations
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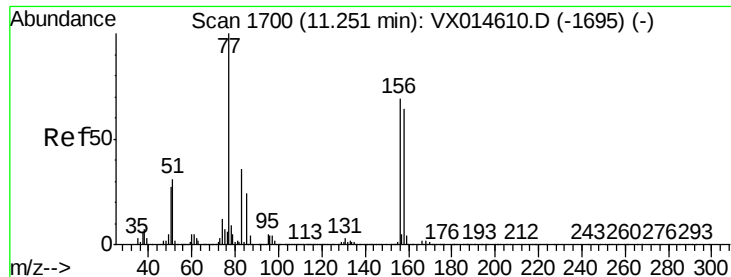
MMDadoda
 2/4/2020 3:32:12 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.831 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
77	35.9	0.0	68.4





#73

Bromobenzene

Concen: 20.058 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

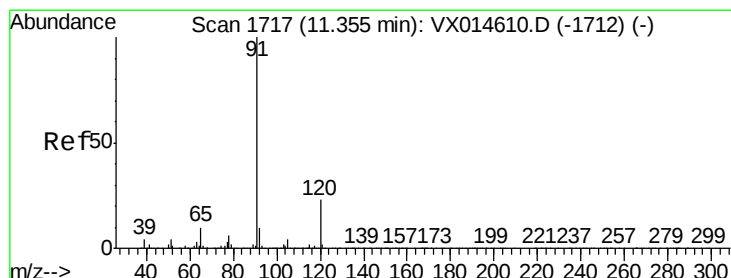
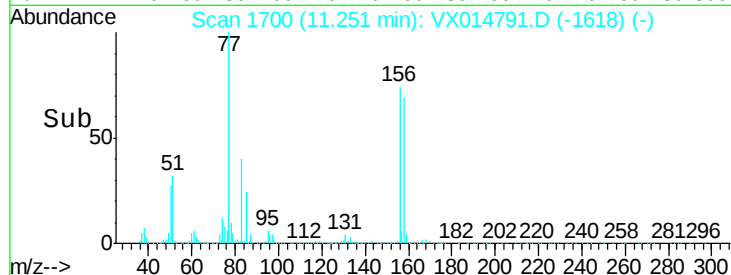
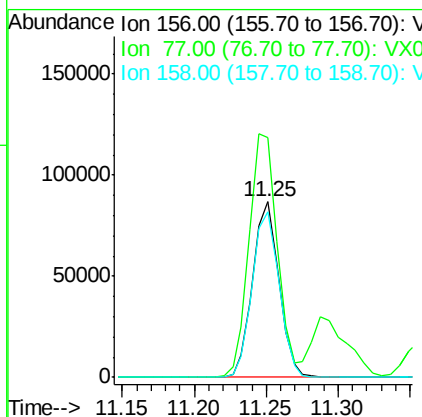
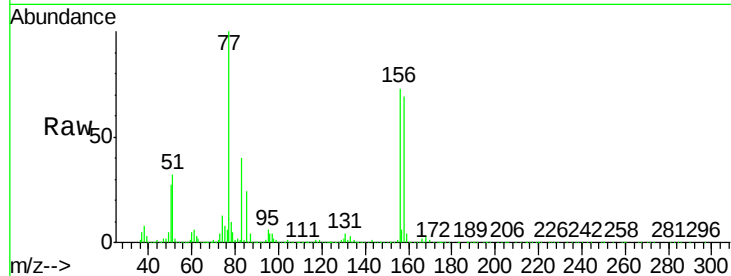
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	109968
Ion Ratio	Lower	Upper	
156	100		
77	146.5	0.0	304.6
158	96.2	0.0	195.2

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#74

n-propylbenzene

Concen: 19.809 ug/l

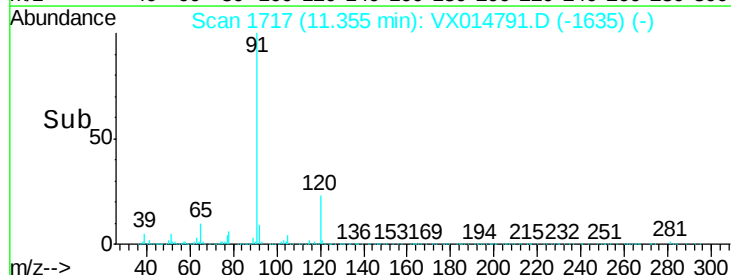
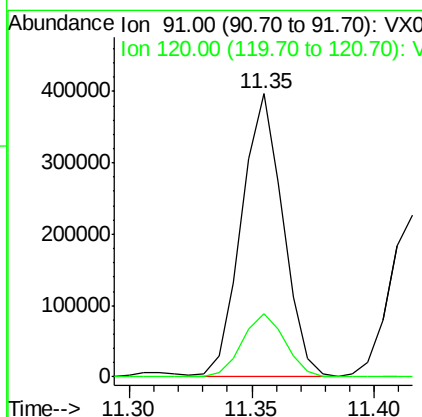
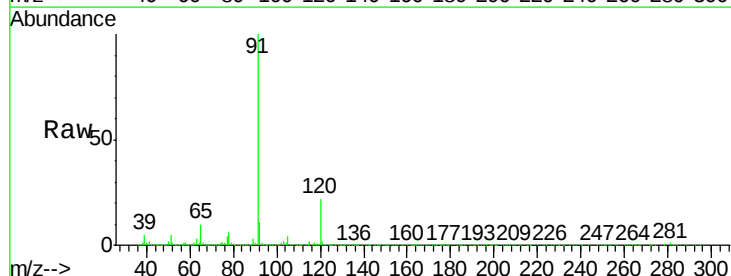
RT: 11.35 min Scan# 1717

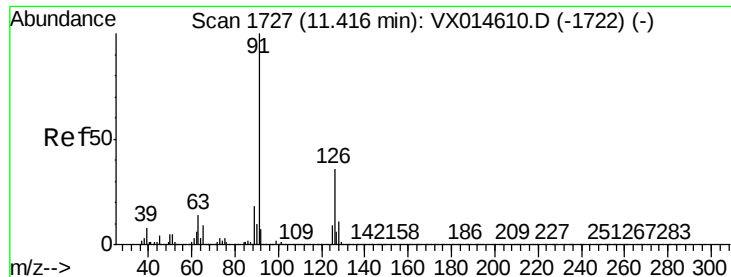
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	91	Resp:	468161
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	44.8





#75

2-Chlorotoluene

Concen: 19.752 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 279763

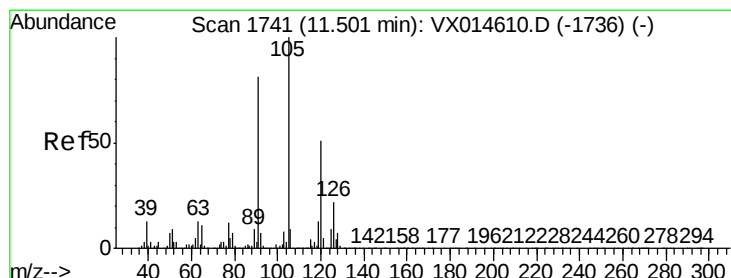
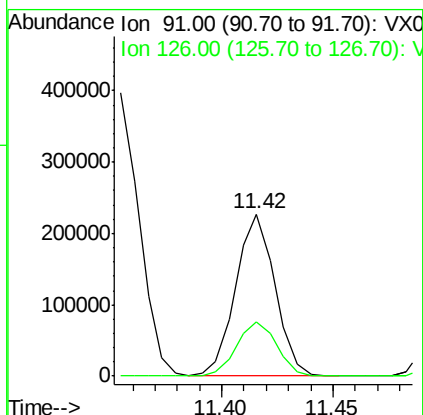
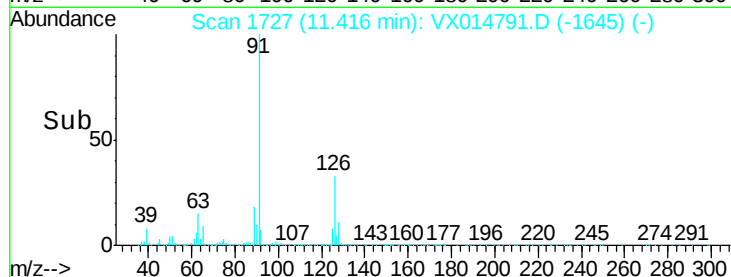
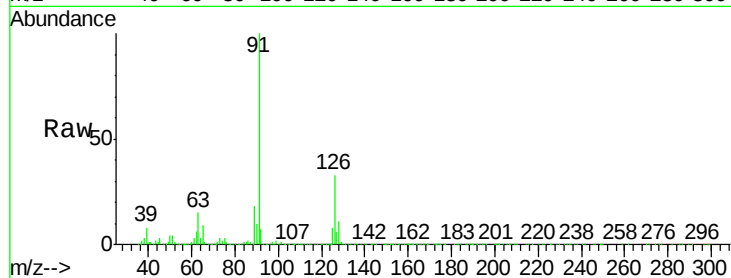
Ion Ratio Lower Upper

91 100

126 34.0 0.0 70.8

Manual Integrations
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2/4/2020 3:32:12 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.653 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014791.D

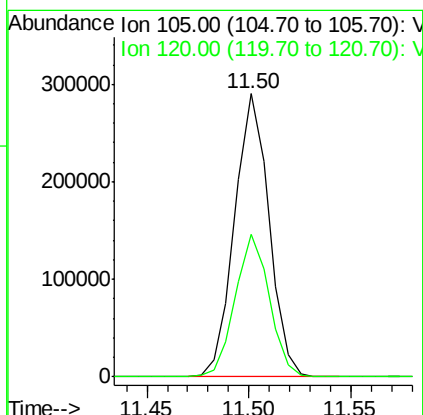
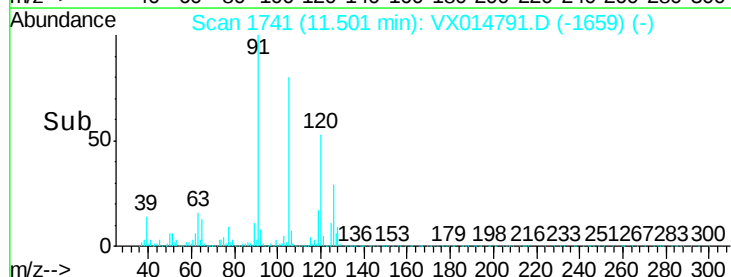
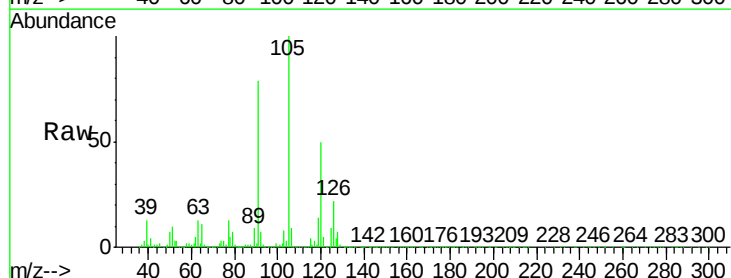
Acq: 03 Feb 2020 12:28

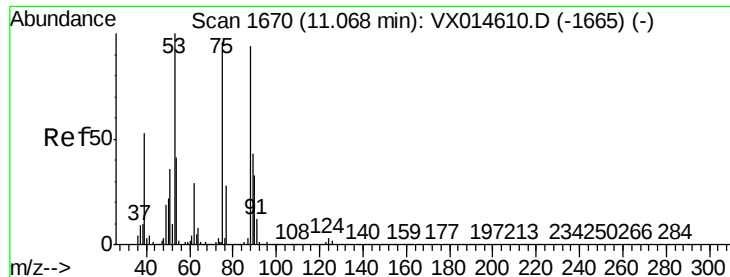
Tgt Ion: 105 Resp: 338703

Ion Ratio Lower Upper

105 100

120 50.0 0.0 100.6





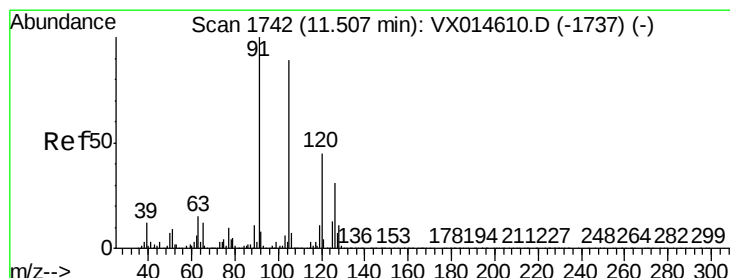
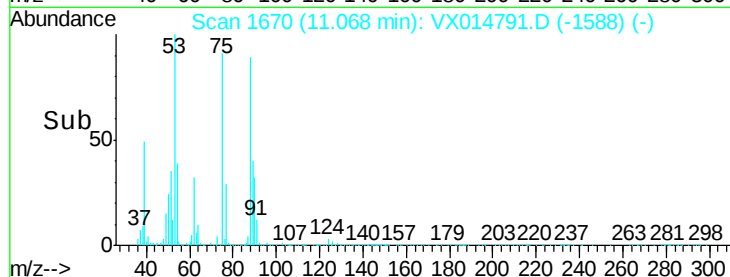
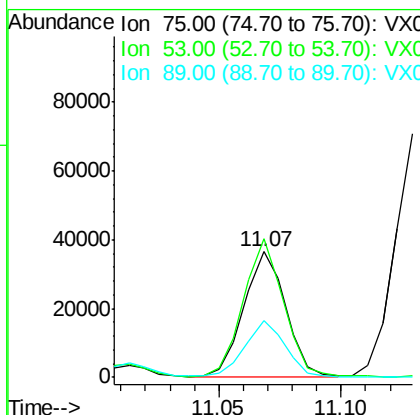
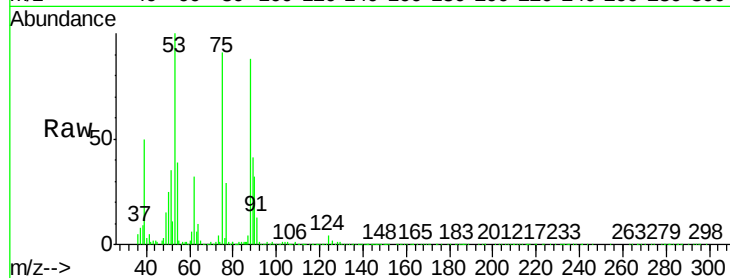
#77
t-1,4-Dichloro-2-butene
Concen: 18.960 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	54.4	163.1
89	44.3	21.9	65.5

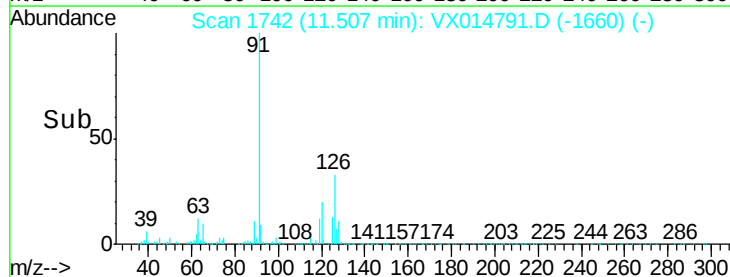
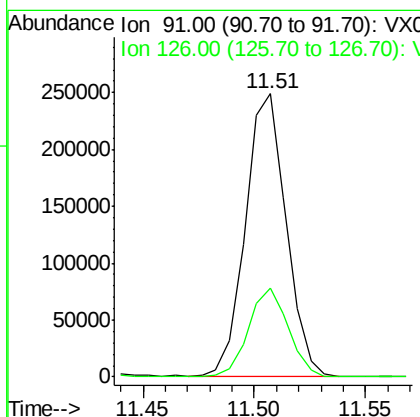
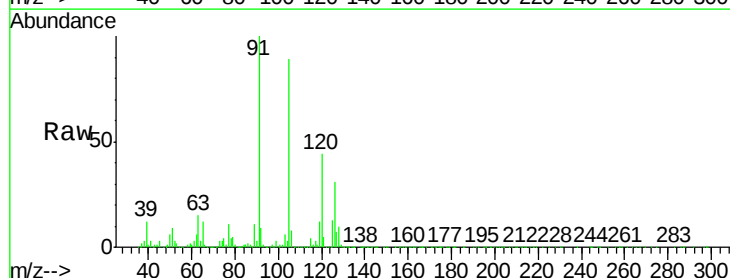
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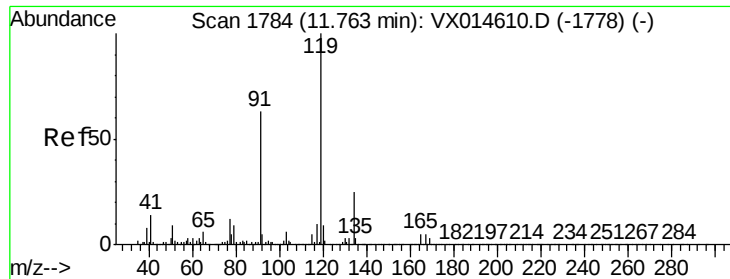
MMDadoda
2/4/2020 3:32:12 PM



#78
4-Chlorotoluene
Concen: 19.727 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	0.0	59.6





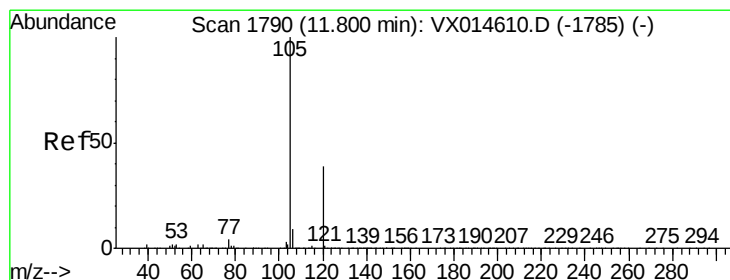
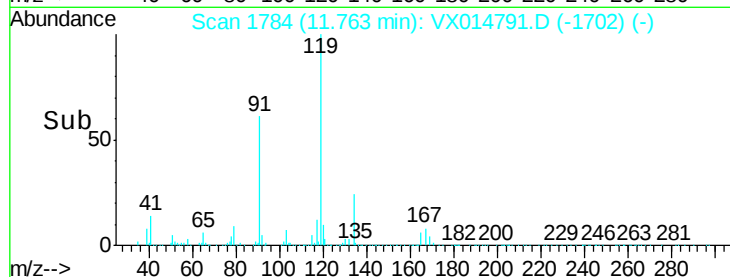
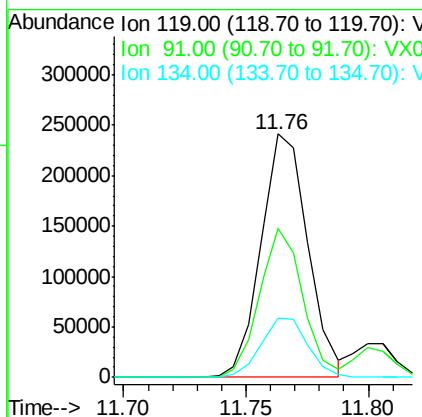
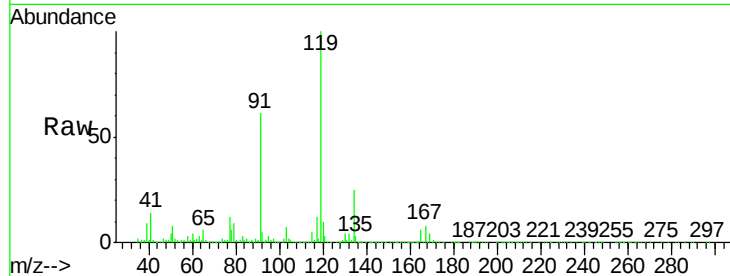
#79
tert-butylbenzene
Concen: 20.028 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	322970		
91	56.6		0.0	112.6
134	24.5		0.0	49.8

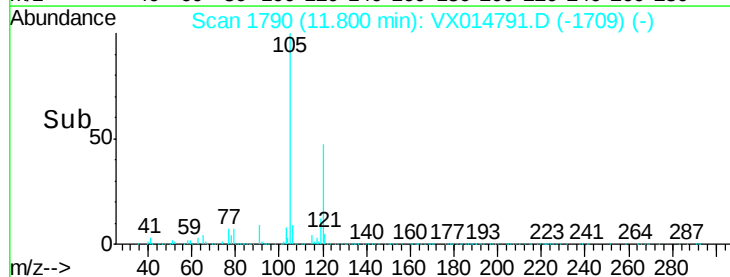
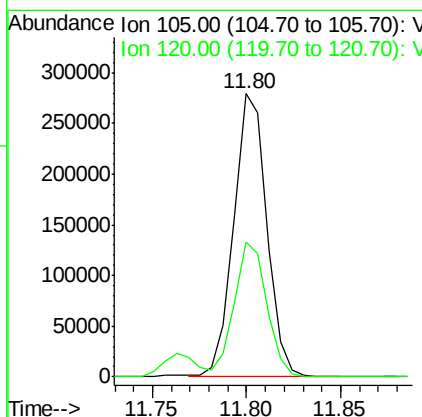
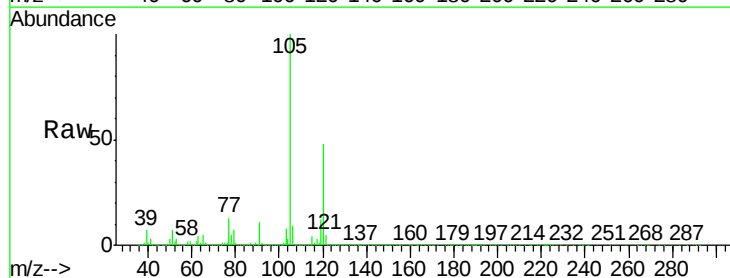
Manual Integrations
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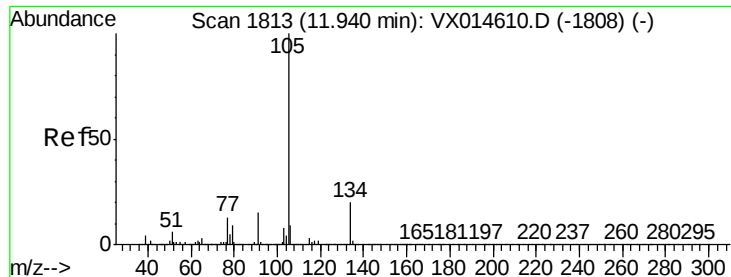
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#80
1,2,4-Trimethylbenzene
Concen: 19.773 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	339883		
120	46.6		0.0	92.0





#81

sec-Butylbenzene

Concen: 19.846 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 396011

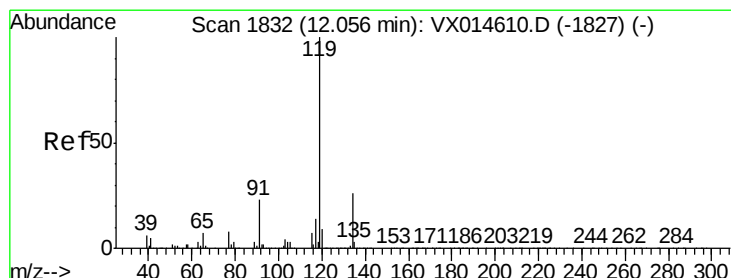
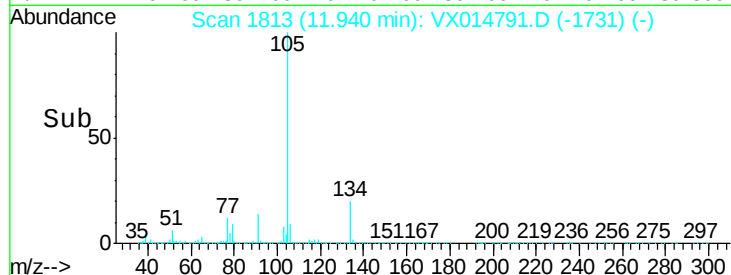
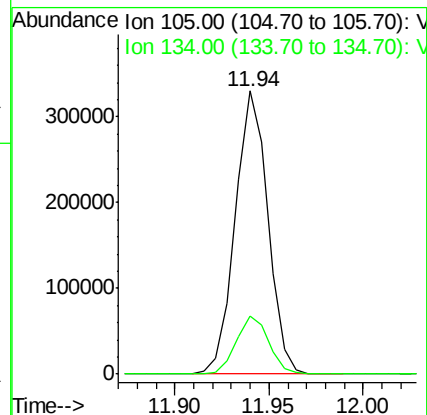
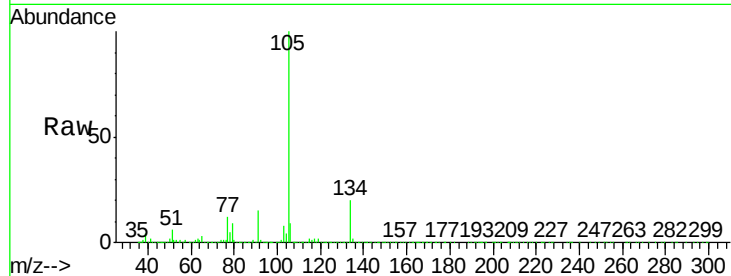
Ion Ratio Lower Upper

105 100

134 20.4 0.0 40.2

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#82

p-Isopropyltoluene

Concen: 19.703 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

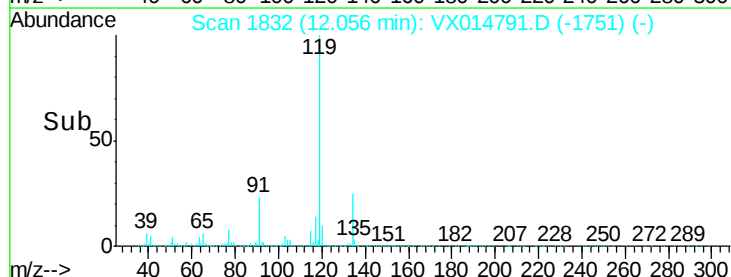
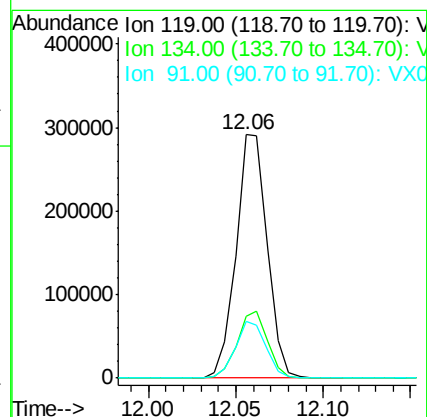
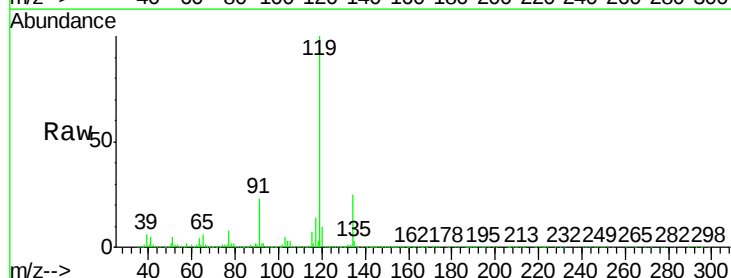
Tgt Ion:119 Resp: 358907

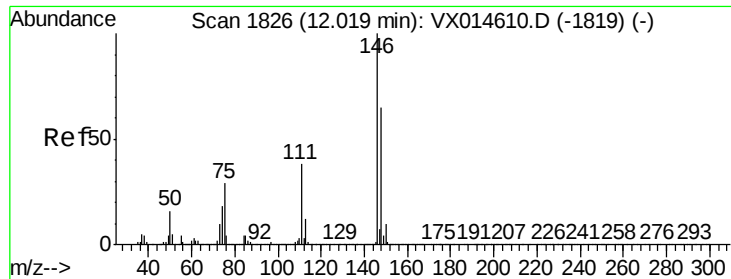
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.8

91 22.7 0.0 45.0





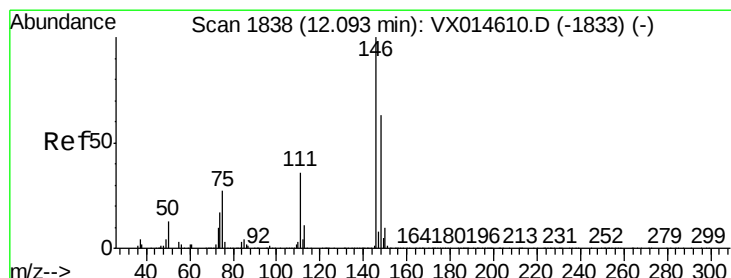
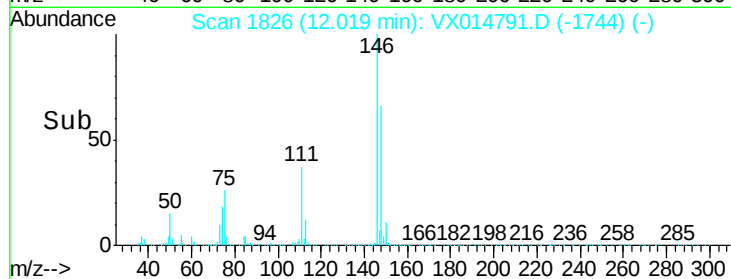
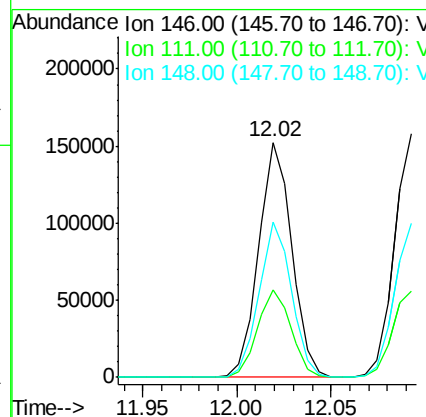
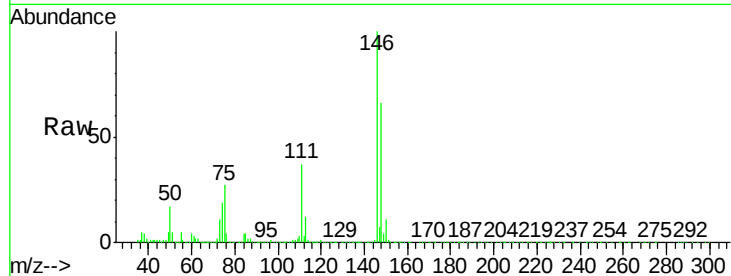
#83
 1,3-Dichlorobenzene
 Concen: 19.430 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.9
148	65.2	32.2	96.6

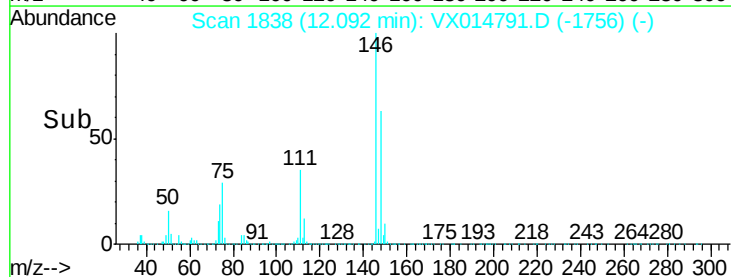
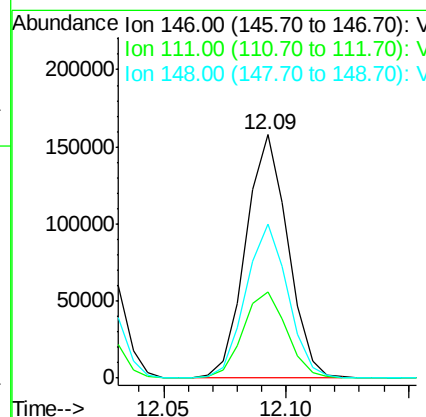
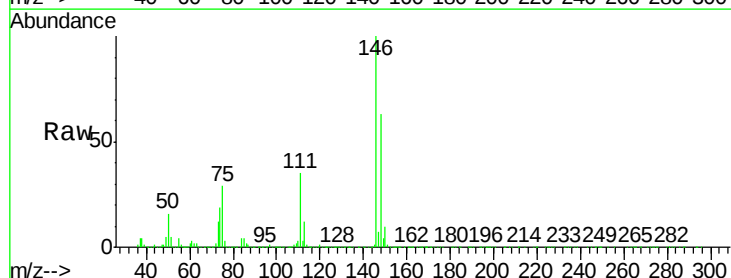
Manual Integrations
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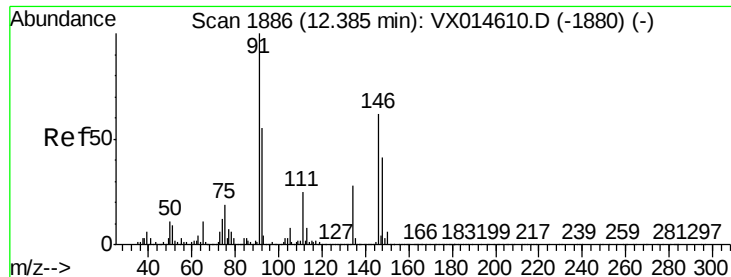
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#84
 1,4-Dichlorobenzene
 Concen: 19.872 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014791.D
 Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.4
148	63.2	32.0	96.0





#85

n-Butylbenzene

Concen: 18.901 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

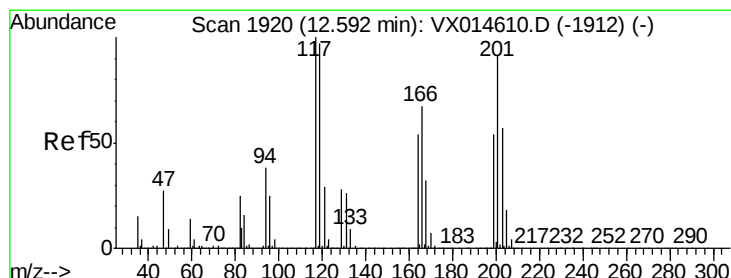
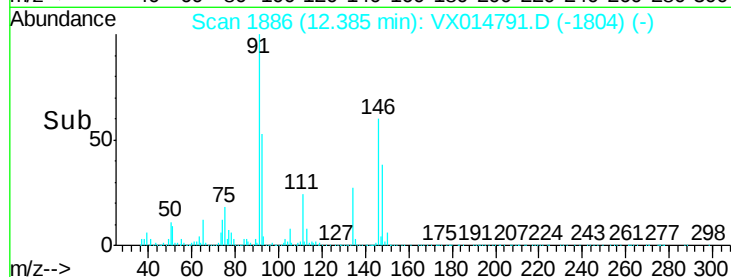
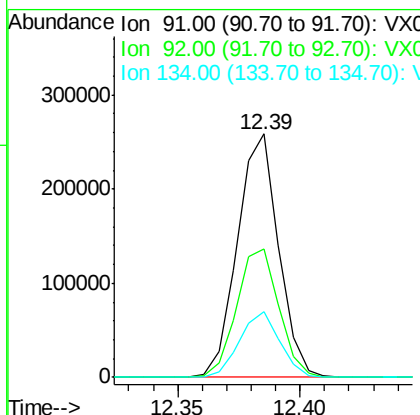
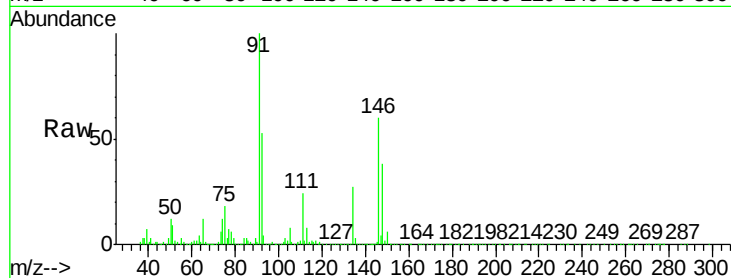
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	301249
Ion Ratio	Lower	Upper	
91	100		
92	54.3	0.0	109.0
134	26.5	0.0	54.0

Manual Integrations
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#86

Hexachloroethane

Concen: 19.713 ug/l

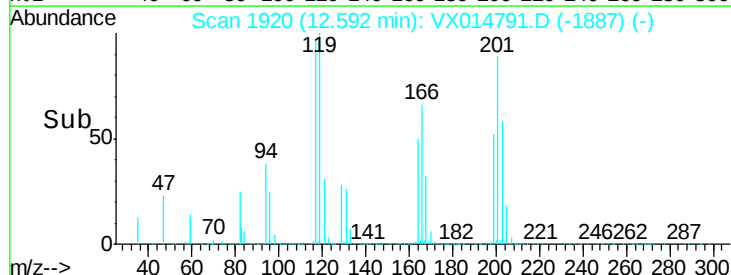
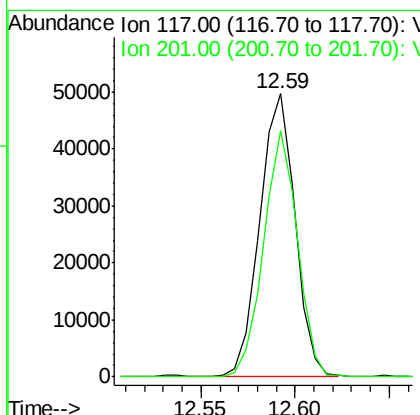
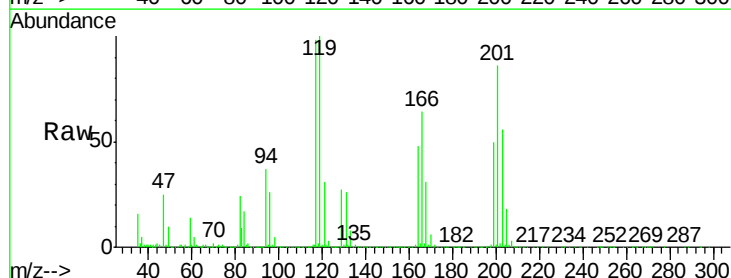
RT: 12.59 min Scan# 1920

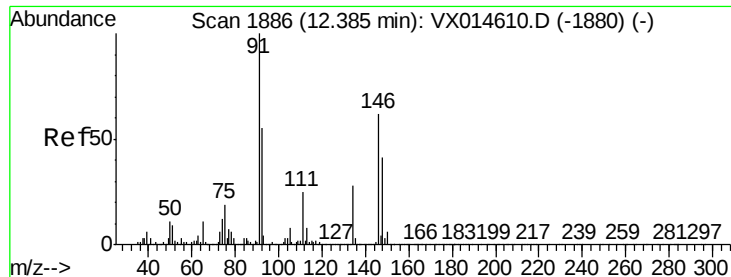
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	117	Resp:	64396
Ion Ratio	Lower	Upper	
117	100		
201	83.3	44.8	134.3





#87

1,2-Dichlorobenzene

Concen: 19.655 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Instrument :

MSVOA_X

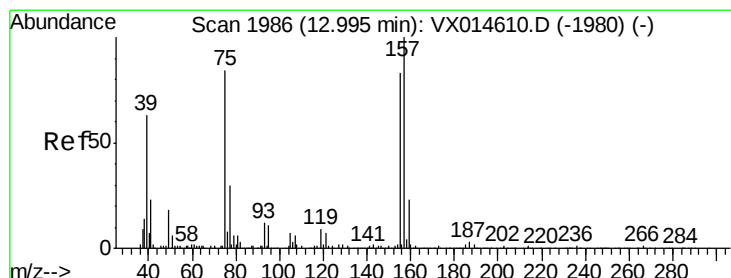
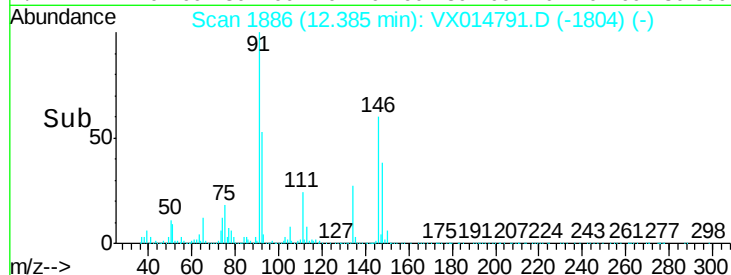
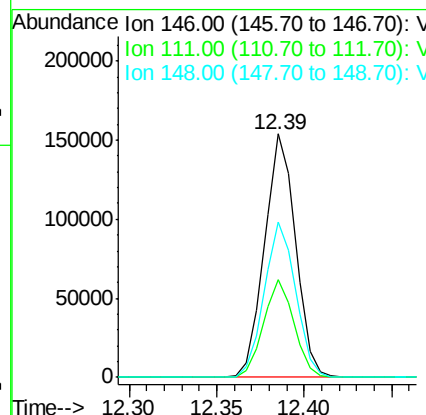
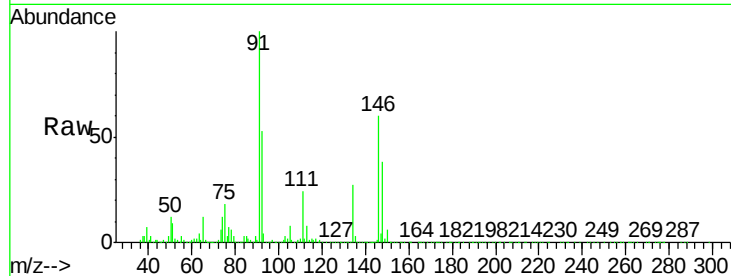
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	189853
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.1	60.2
148	64.3	32.0	96.2

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.622 ug/l

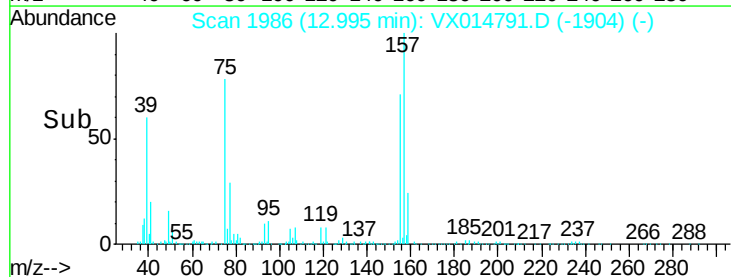
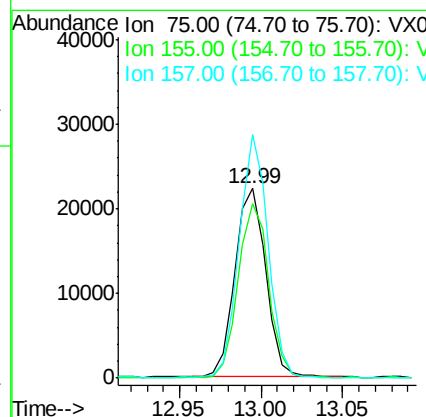
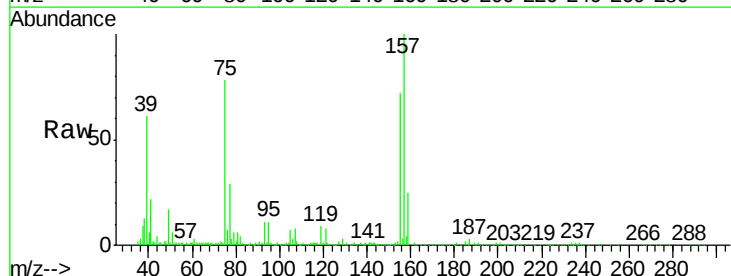
RT: 12.99 min Scan# 1986

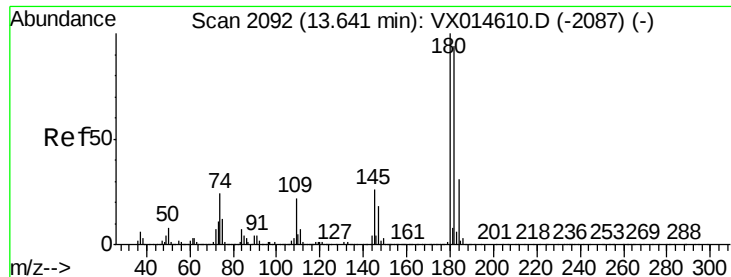
Delta R.T. 0.00 min

Lab File: VX014791.D

Acq: 03 Feb 2020 12:28

Tgt Ion:	75	Resp:	29201
Ion Ratio	Lower	Upper	
75	100		
155	92.1	73.8	110.6
157	122.2	95.0	142.4





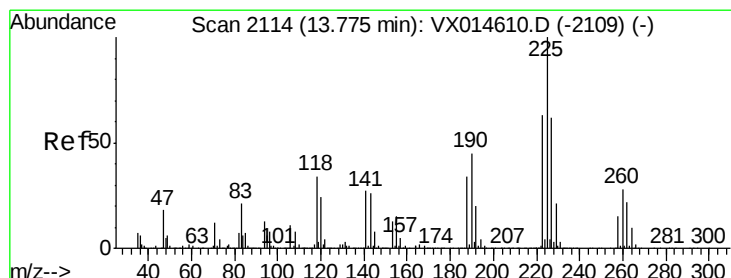
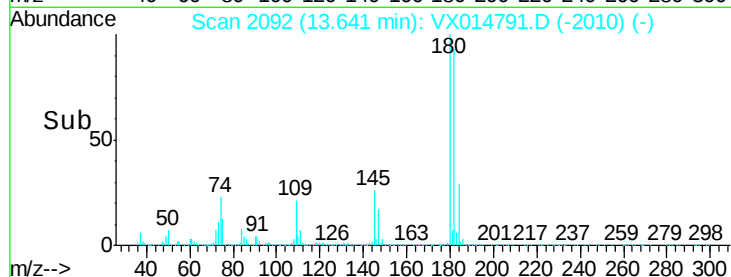
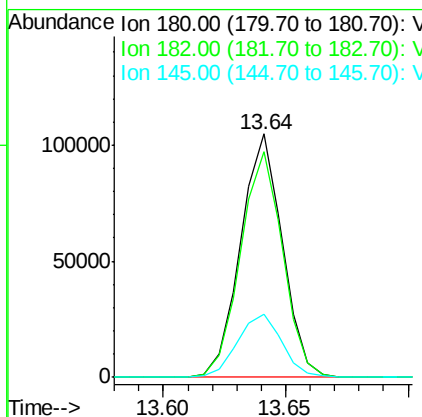
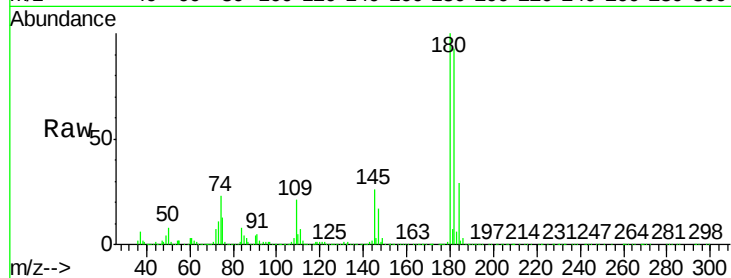
#89
1,2,4-Trichlorobenzene
Concen: 19.537 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.4	114.6
145	27.9	21.9	32.9

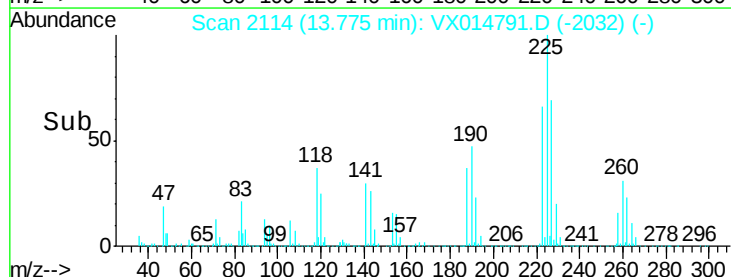
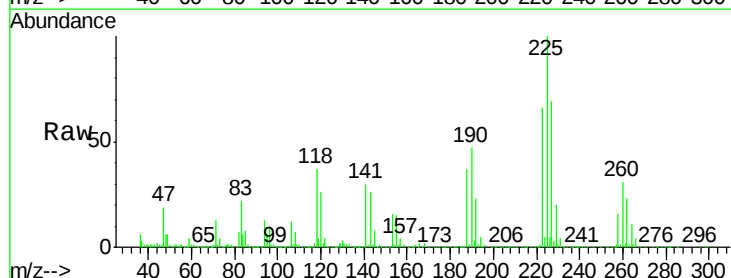
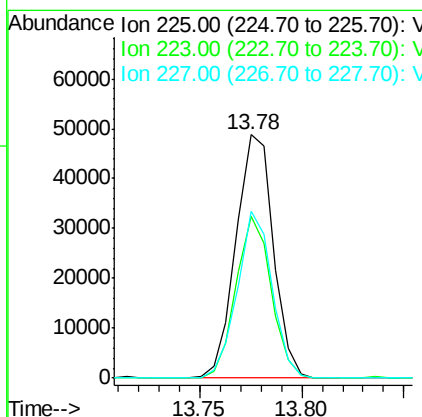
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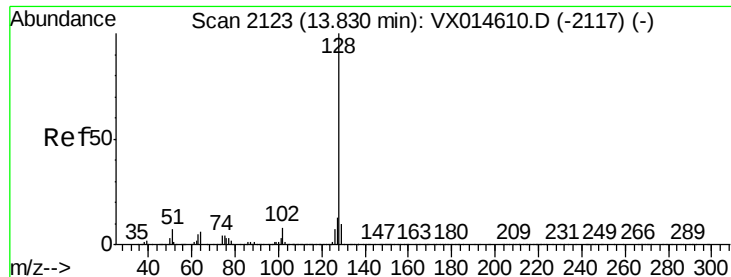
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#90
Hexachlorobutadiene
Concen: 19.493 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	127.4
227	63.5	0.0	122.8





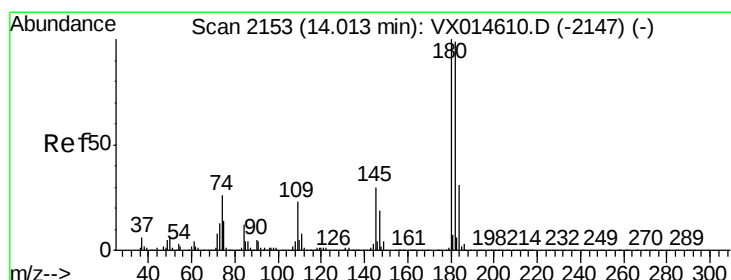
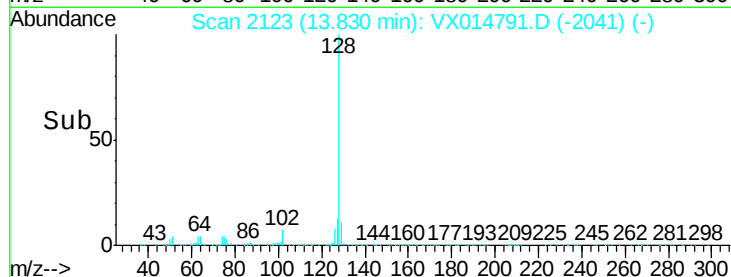
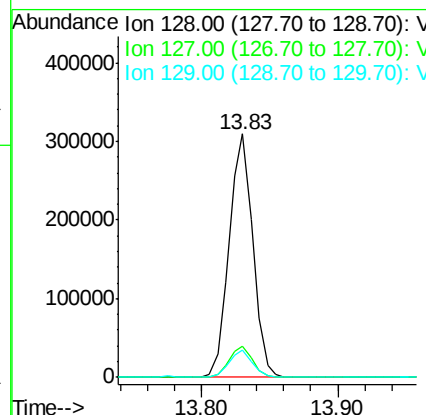
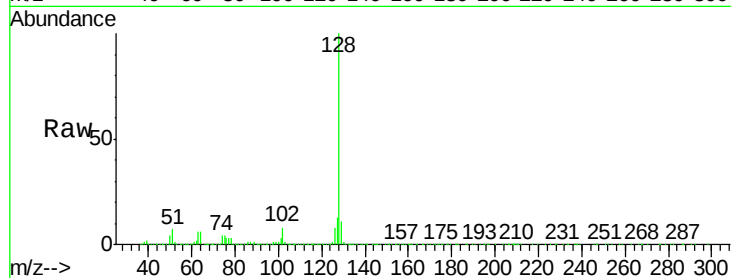
#91
Naphthalene
Concen: 19.370 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		372779		
127	12.5		10.4	15.6	
129	10.9		8.9	13.3	

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#92
1,2,3-Trichlorobenzene
Concen: 19.227 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014791.D
Acq: 03 Feb 2020 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		124778		
182	97.8		0.0	192.8	
145	30.9		0.0	60.0	

