

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO020520\
 Data File : VX014812.D
 Acq On : 05 Feb 2020 10:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:26 PM

Quant Time: Feb 06 03:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	81045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	447267	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	403845	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	178566	31.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.50%
60) 4-Bromofluorobenzene	11.13	95	192530	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	8.71	98	550028	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	123450	22.041	ug/l 99
3) Chloromethane	1.32	50	120854	19.708	ug/l 97
4) Vinyl Chloride	1.40	62	144403	20.972	ug/l 98
5) Bromomethane	1.64	94	83857	19.517	ug/l 99
6) Chloroethane	1.72	64	80052m	20.624	ug/l
7) Trichlorofluoromethane	1.92	101	168382	22.086	ug/l 100
8) Diethyl Ether	2.18	74	70009	21.024	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	98393	22.059	ug/l 99
10) 1,1-Dichloroethene	2.37	96	92940	20.716	ug/l 100
11) Methyl Iodide	2.50	142	124282	20.656	ug/l 95
12) Methyl Acetate	2.76	43	175242	21.622	ug/l 99
13) Acrolein	2.28	56	78470	92.177	ug/l 98
14) Acrylonitrile	3.12	53	282414	101.837	ug/l 99
15) Acetone	2.43	58	107308	115.422	ug/l 86
16) Carbon Disulfide	2.56	76	249448	20.244	ug/l 96
17) Allyl chloride	2.72	41	166190	20.015	ug/l 91
18) Methylene Chloride	2.85	84	107826	20.535	ug/l 91
19) trans-1,2-Dichloroethene	3.16	96	101585	21.033	ug/l 92
20) Diisopropyl ether	3.84	45	344483	20.970	ug/l 94
21) 1,1-Dichloroethane	3.69	63	185088	20.739	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	116977	21.077	ug/l 96
23) tert-Butyl Alcohol	3.01	59	118636	103.441	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	321702	21.546	ug/l 98
25) Chloroform	5.20	83	186419	21.563	ug/l 97
26) Cyclohexane	5.57	56	168094	20.420	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	139689	21.295	ug/l 99
30) 2-Butanone	4.65	43	459837	110.665	ug/l 99
31) 2,2-Dichloropropane	4.57	77	153372	21.852	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	155399	21.414	ug/l 99
33) Carbon Tetrachloride	5.77	117	135877	21.809	ug/l 98
34) Benzene	6.13	78	422134	20.826	ug/l 97
35) Methacrylonitrile	5.02	41	83509	20.123	ug/l 96
36) 1,2-Dichloroethane	6.18	62	150737	21.369	ug/l 98
37) Trichloroethene	7.20	130	117282	21.132	ug/l 94
38) Methylcyclohexane	7.45	83	173164	21.202	ug/l 99
39) 1,2-Dichloropropane	7.50	63	108171	20.523	ug/l 92
40) Dibromomethane	7.65	93	70954	20.946	ug/l 97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	142818	21.530	ug/l	100
42) Vinyl Acetate	3.80	43	1346229	105.115	ug/l	99
43) Ethyl Acetate	4.81	43	155428	20.663	ug/l	99
44) Isopropyl Acetate	6.43	43	249165	20.534	ug/l	100
45) 1,4-Dioxane	7.73	88	50519	416.201	ug/l	98
46) Methyl methacrylate	7.76	41	123489	20.694	ug/l	99
47) n-amyl Acetate	10.89	43	205327	20.195	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	153311	21.169	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	172405	21.127	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	110295	21.398	ug/l	96
51) Ethyl methacrylate	9.17	69	163372	20.356	ug/l	96
52) 1,3-Dichloropropane	9.36	76	184043	21.074	ug/l	100
53) Dibromochloromethane	9.57	129	115520	21.911	ug/l	98
54) 1,2-Dibromoethane	9.67	107	114646	21.446	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	359149	97.372	ug/l	100
56) Bromoform	10.85	173	86346	21.262	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	803466	105.649	ug/l	100
59) 2-Hexanone	9.48	43	657877	111.853	ug/l	100
61) Tetrachloroethene	9.33	164	128540	21.534	ug/l	98
62) Toluene	8.78	91	457093	21.334	ug/l	99
64) Chlorobenzene	10.13	112	288546	21.573	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	108085	21.880	ug/l	99
66) Ethyl Benzene	10.25	91	493629	21.152	ug/l	97
67) m/p-Xylenes	10.36	106	386169	43.200	ug/l	100
68) o-Xylene	10.69	106	181845	20.890	ug/l	97
69) Styrene	10.70	104	315282	21.377	ug/l	99
70) Isopropylbenzene	11.01	105	495872	21.744	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	159225	20.728	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	143114m	21.780	ug/l	
73) Bromobenzene	11.25	156	130561	21.598	ug/l	97
74) n-propylbenzene	11.35	91	570323	21.886	ug/l	99
75) 2-Chlorotoluene	11.42	91	337921	21.637	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	410234	21.589	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	50586	20.003	ug/l	94
78) 4-Chlorotoluene	11.51	91	380792	21.469	ug/l	99
79) tert-butylbenzene	11.76	119	391028	21.992	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	412939	21.788	ug/l	100
81) sec-Butylbenzene	11.94	105	478465	21.747	ug/l	99
82) p-Isopropyltoluene	12.06	119	438708	21.842	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	231118	21.896	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	227487	21.738	ug/l	99
85) n-Butylbenzene	12.38	91	372291	21.185	ug/l	99
86) Hexachloroethane	12.59	117	77256	21.449	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	229564	21.555	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	33983	20.710	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	152016	21.624	ug/l	100
90) Hexachlorobutadiene	13.78	225	77771	22.140	ug/l	97
91) Naphthalene	13.83	128	456056	21.492	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	154960	21.656	ug/l	100

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ClientSampleId :
VSTDCCC020

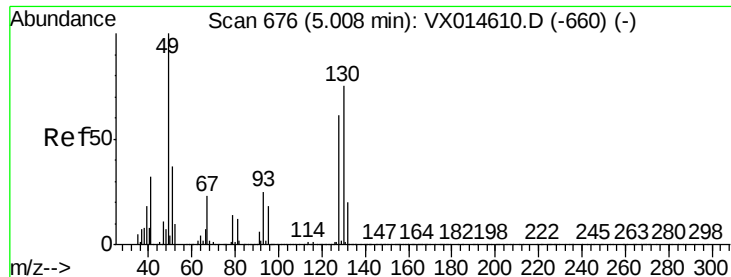
Manual Integrations
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2/6/2020 1:32:26 PM

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QLast Update : Wed Jan 15 12:41:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

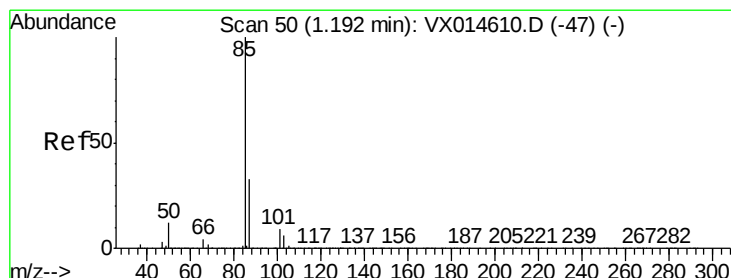
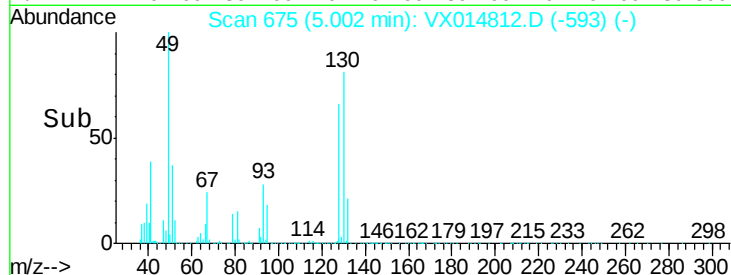
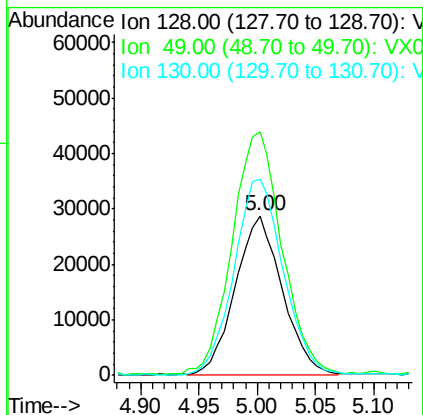
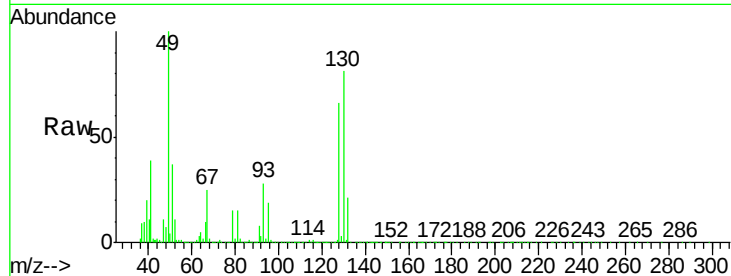
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.4	0.0	405.0
130	128.1	0.0	321.5

Manual Integrations
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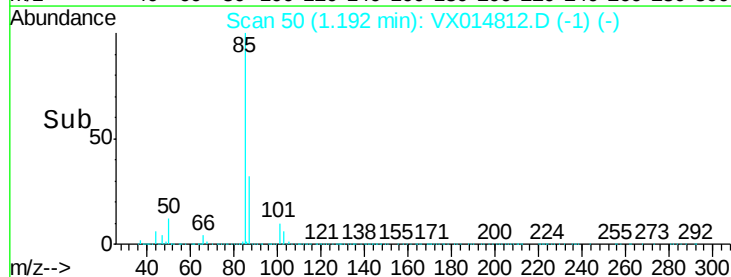
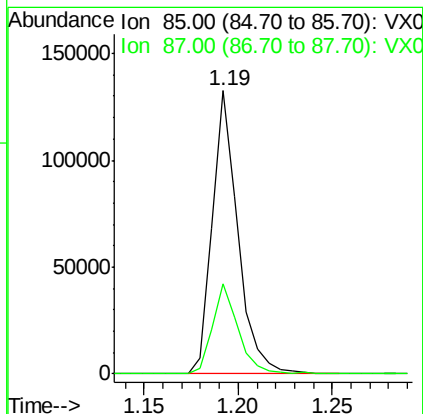
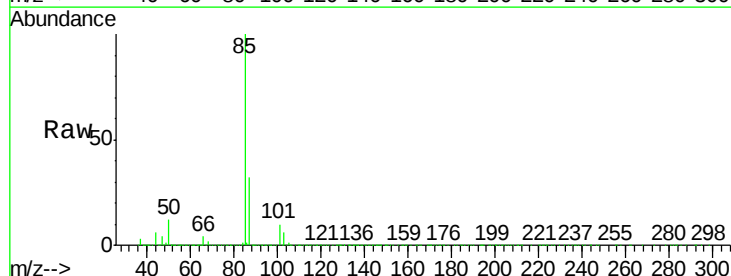
MMDadoda
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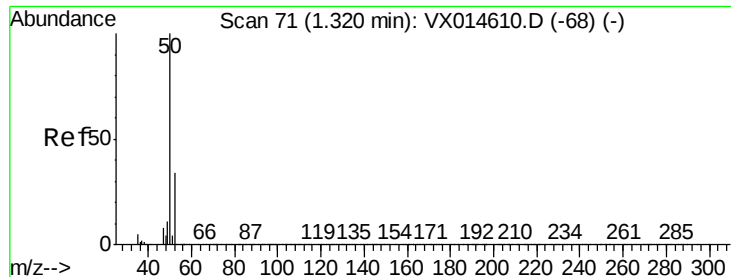


#2

Dichlorodifluoromethane
Concen: 22.041 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.3	48.9





#3

Chloromethane

Concen: 19.708 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 120854

Ion Ratio Lower Upper

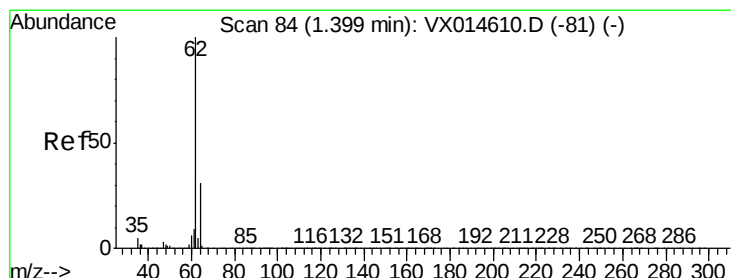
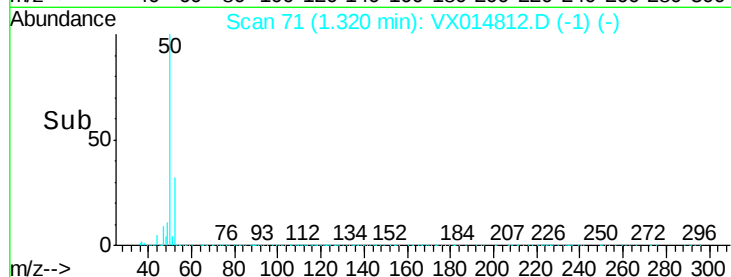
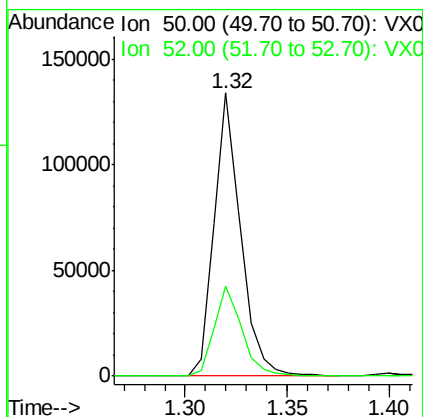
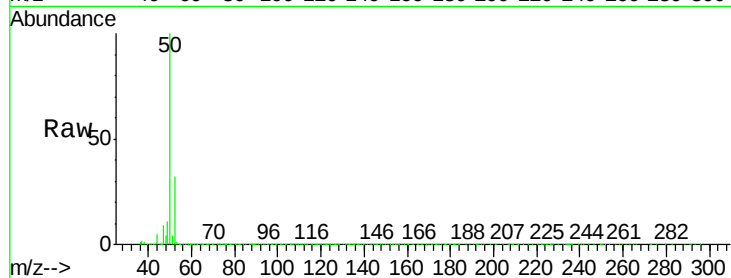
50 100

52 31.9 24.3 36.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.972 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014812.D

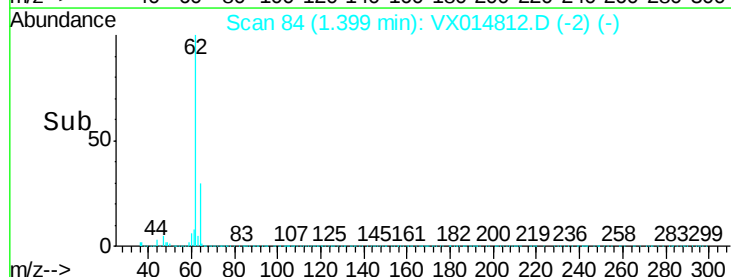
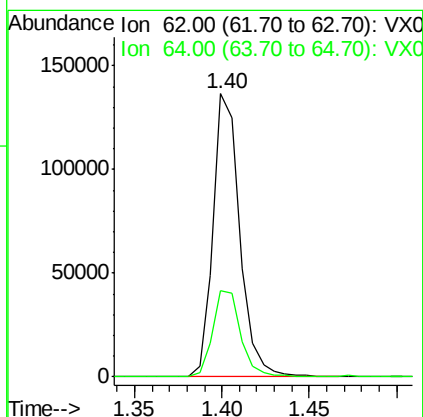
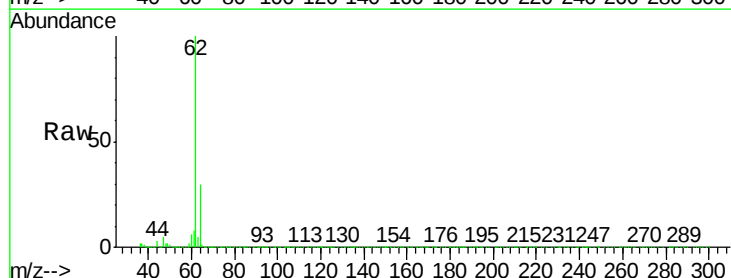
Acq: 05 Feb 2020 10:35

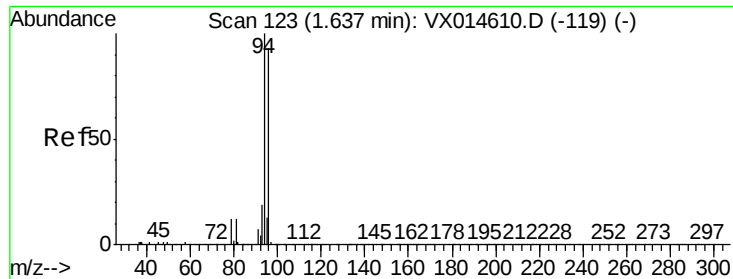
Tgt Ion: 62 Resp: 144403

Ion Ratio Lower Upper

62 100

64 30.2 25.2 37.8





#5

Bromomethane

Concen: 19.517 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 83857

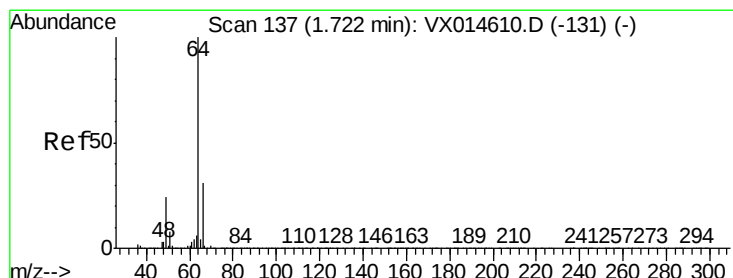
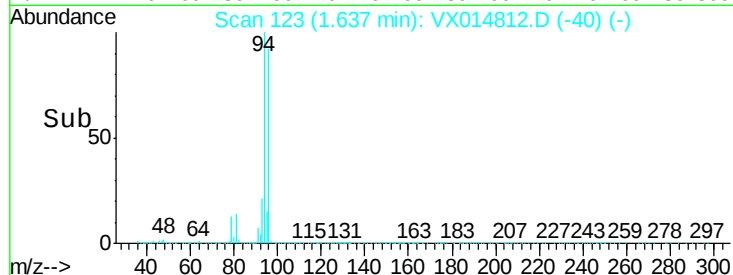
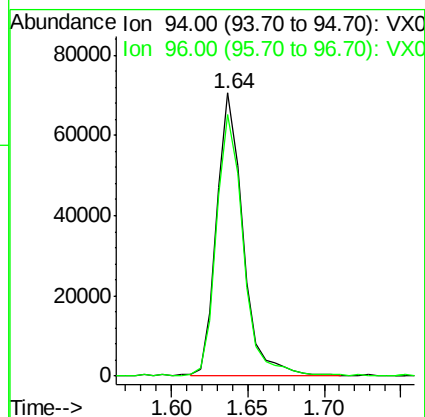
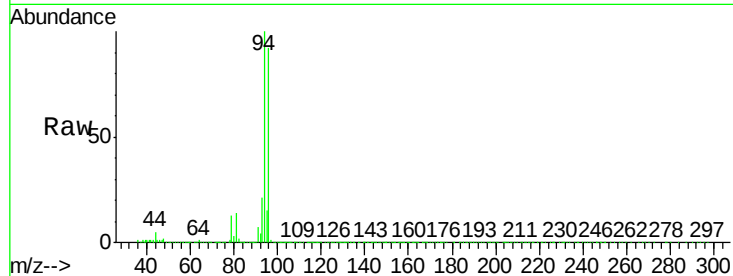
Ion Ratio Lower Upper

94 100

96 92.2 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 20.624 ug/l m

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014812.D

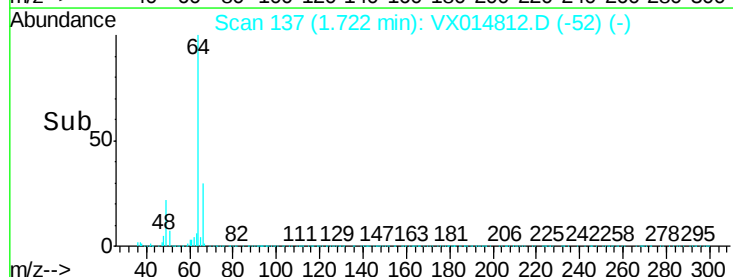
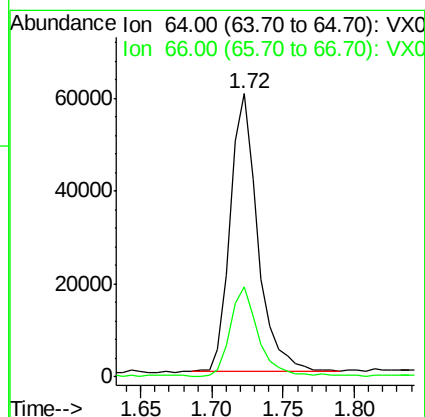
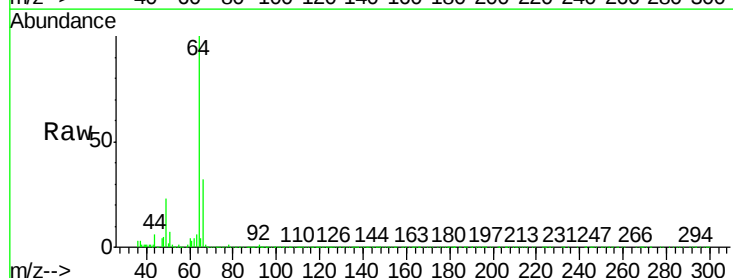
Acq: 05 Feb 2020 10:35

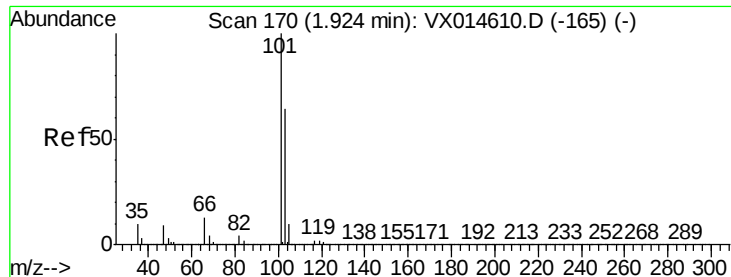
Tgt Ion: 64 Resp: 80052

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

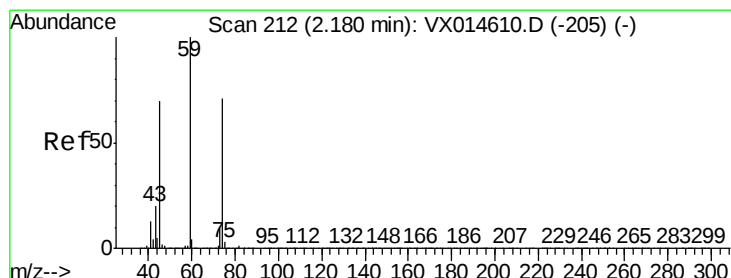
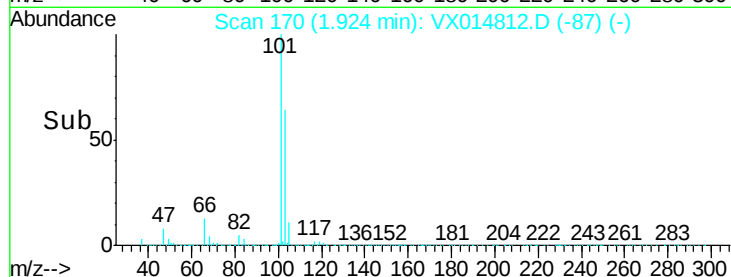
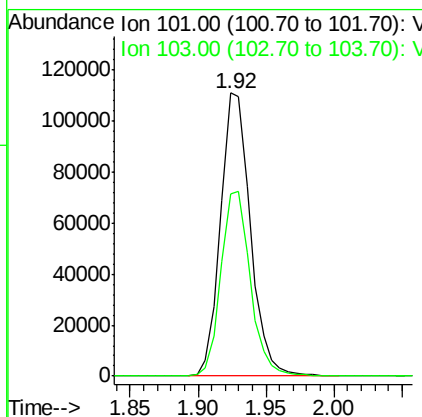
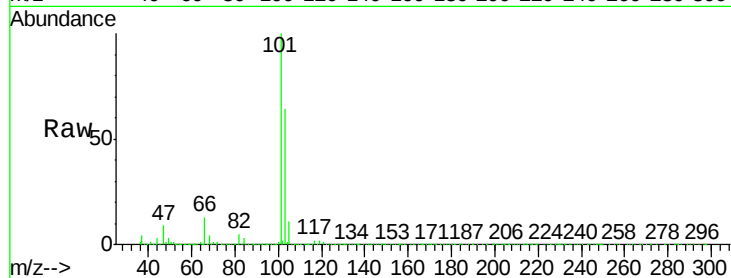
Trichlorofluoromethane
Concen: 22.086 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

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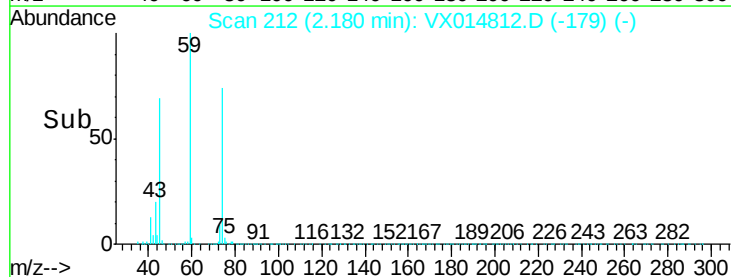
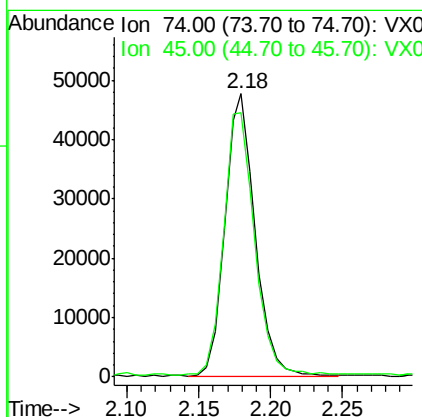
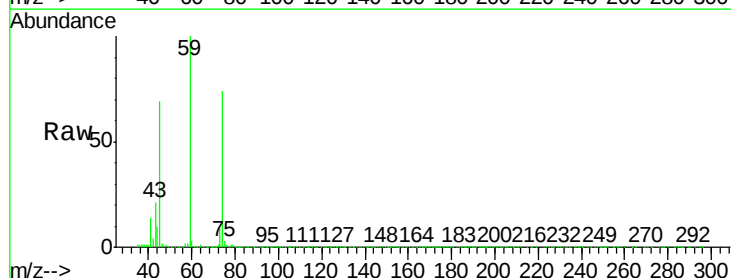
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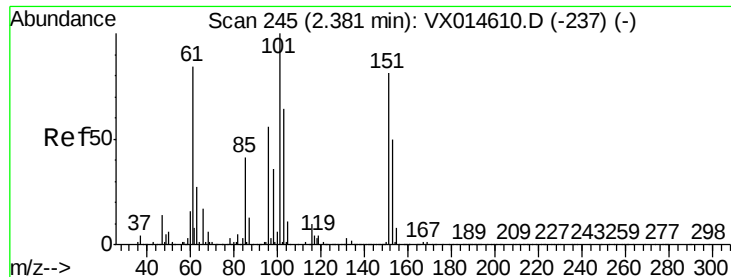


#8

Diethyl Ether
Concen: 21.024 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.059 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

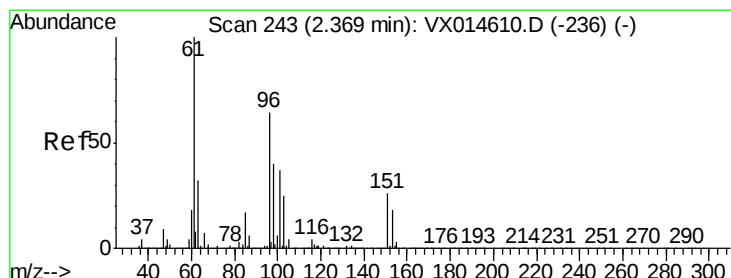
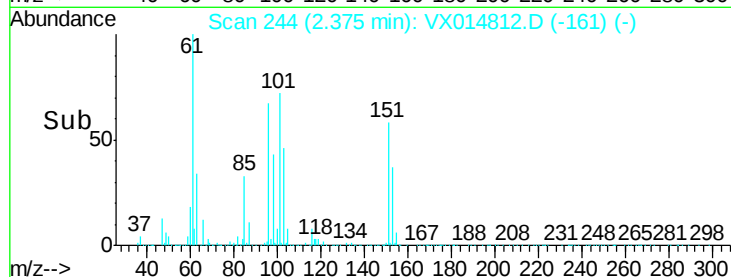
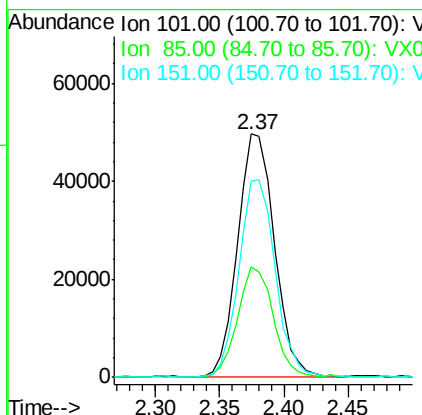
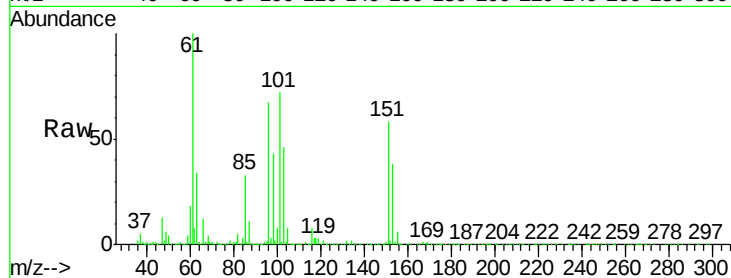
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	98393
Ion Ratio	Lower	Upper	
101	100		
85	43.5	0.0	85.6
151	80.5	0.0	159.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.716 ug/l

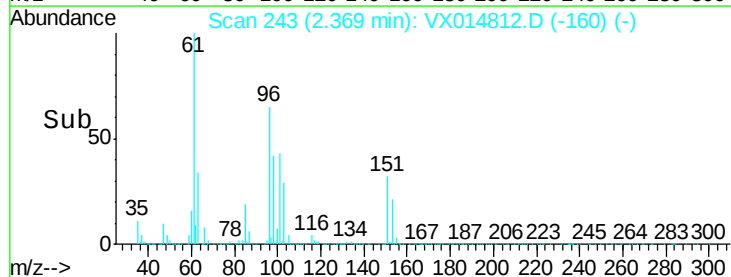
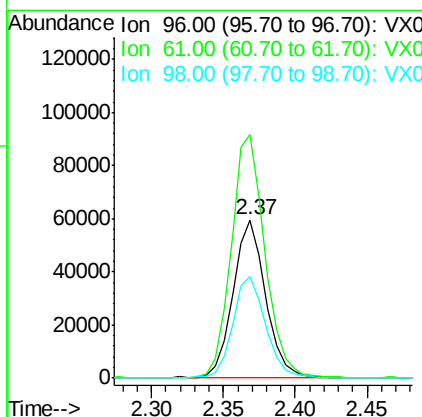
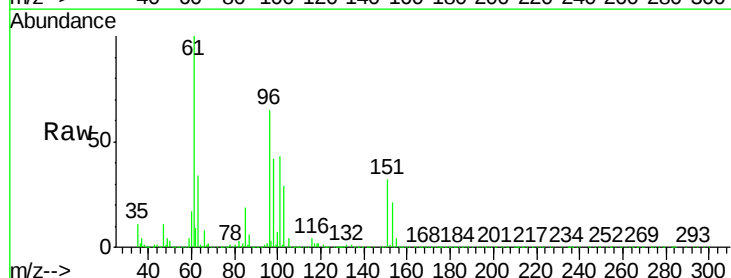
RT: 2.37 min Scan# 243

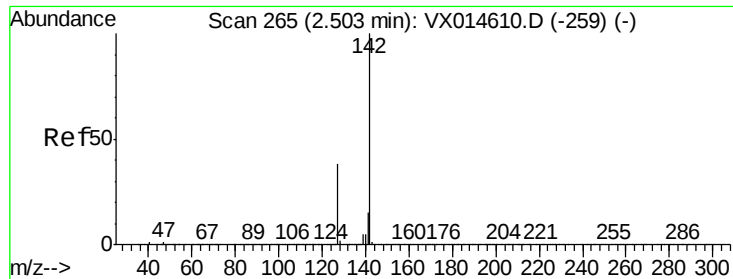
Delta R.T. 0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	96	Resp:	92940
Ion Ratio	Lower	Upper	
96	100		
61	154.2	123.0	184.6
98	64.1	51.4	77.0





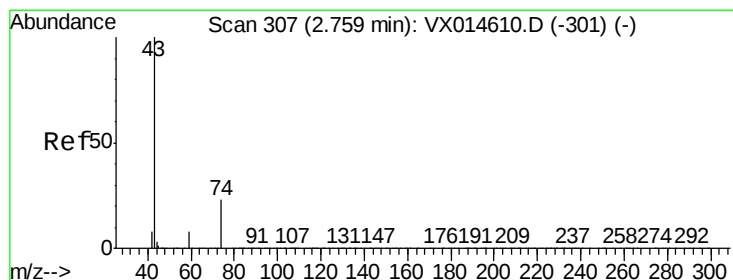
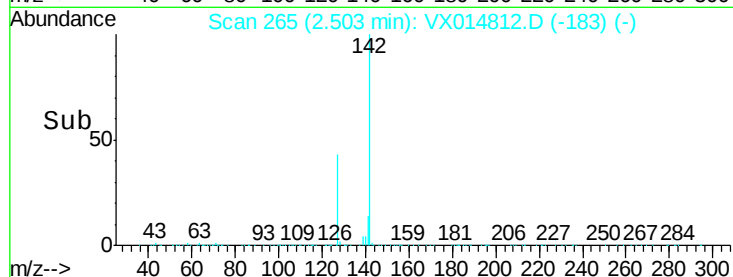
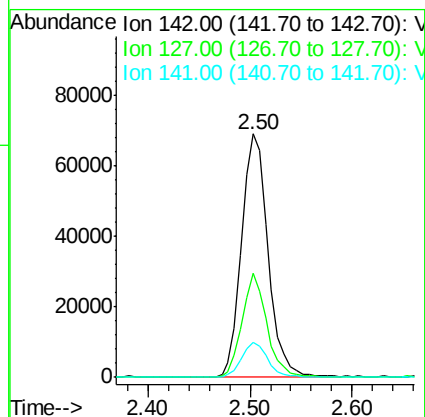
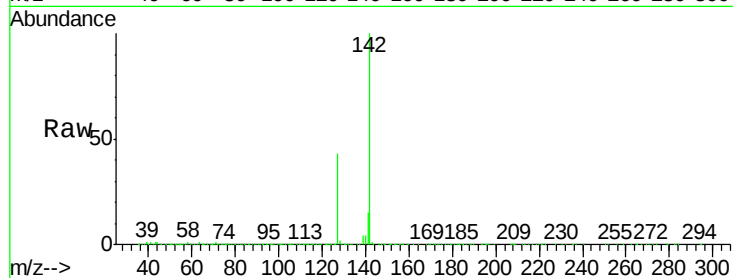
#11
Methyl Iodide
Concen: 20.656 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	19.5	58.5
141	14.5	7.0	20.9

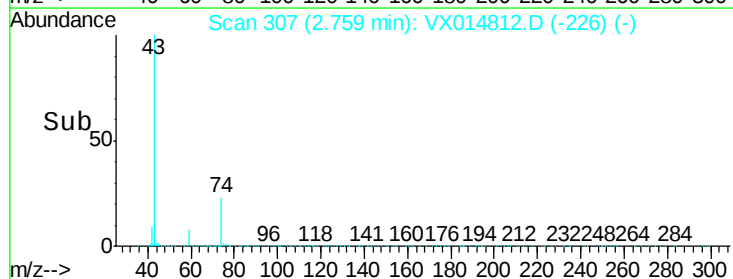
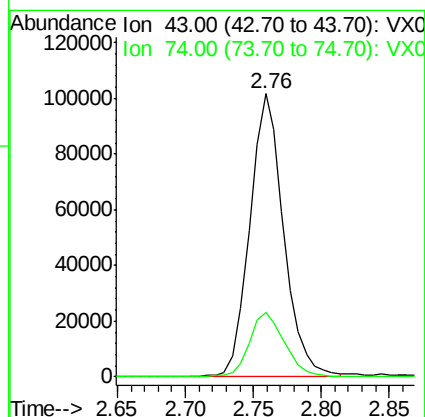
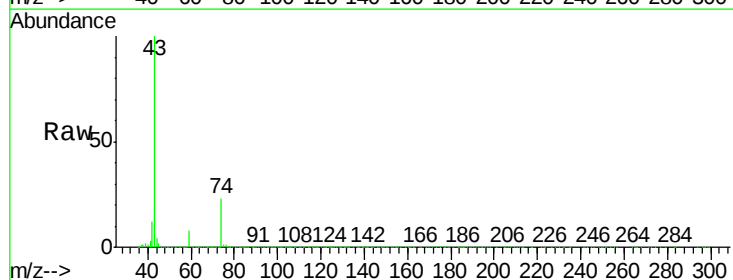
Manual Integrations
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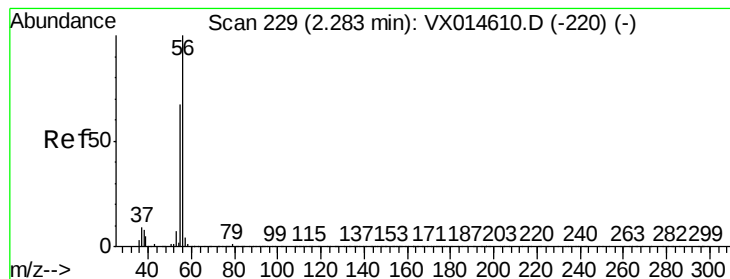
MMDadoda
2/6/2020 1:32:26 PM



#12
Methyl Acetate
Concen: 21.622 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.5	27.7





#13

Acrolein

Concen: 92.177 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 78470

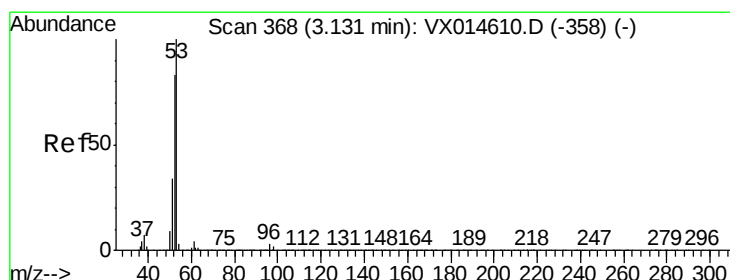
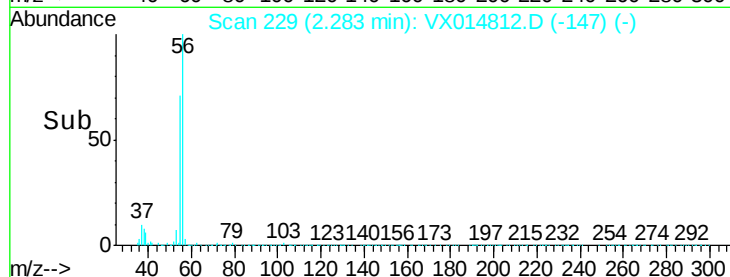
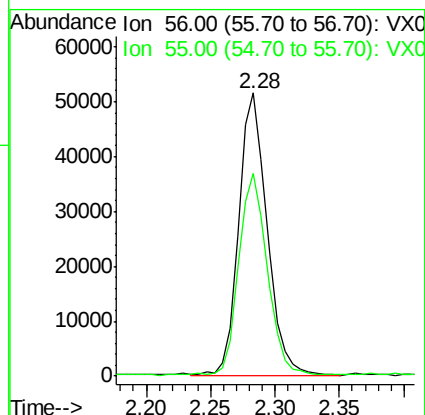
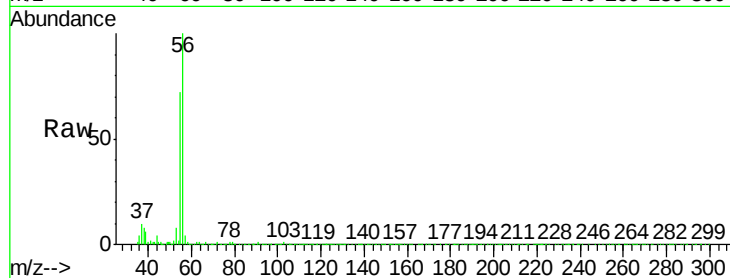
Ion Ratio Lower Upper

56 100

55 70.3 54.9 82.3

Manual Integrations
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2/6/2020 1:32:26 PM



#14

Acrylonitrile

Concen: 101.837 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

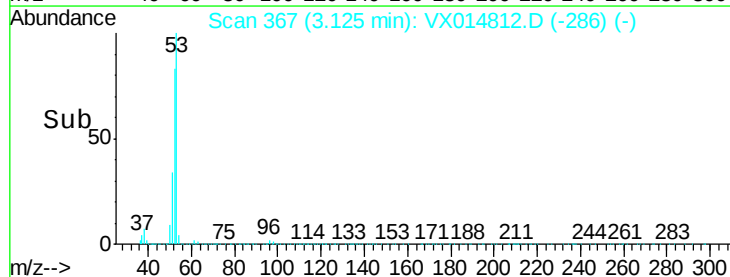
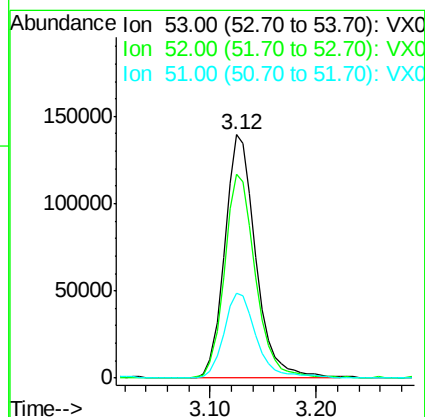
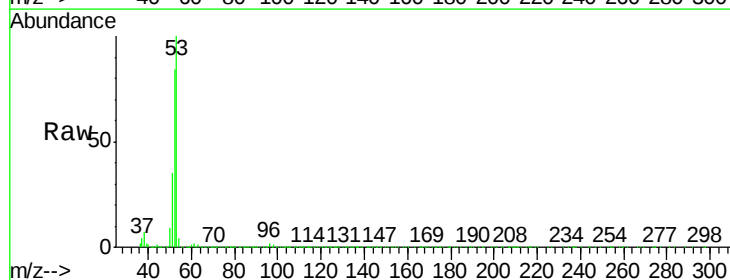
Tgt Ion: 53 Resp: 282414

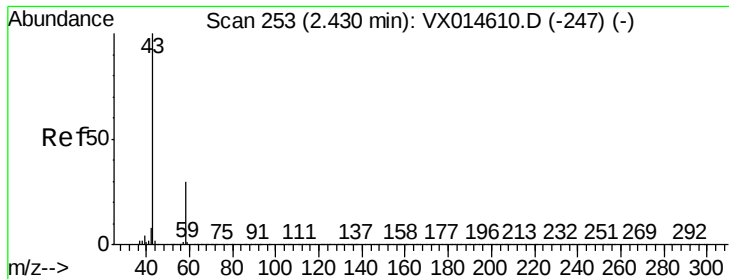
Ion Ratio Lower Upper

53 100

52 83.6 41.5 124.6

51 36.3 17.8 53.5





#15

Acetone

Concen: 115.422 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 107308

Ion Ratio Lower Upper

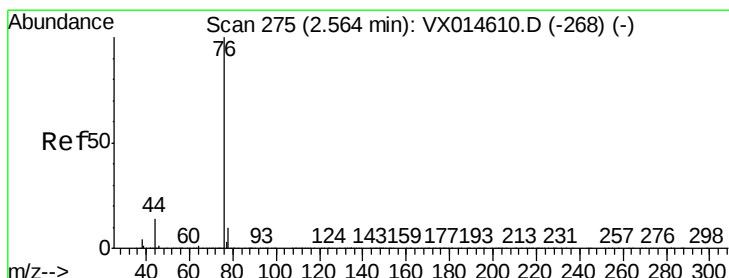
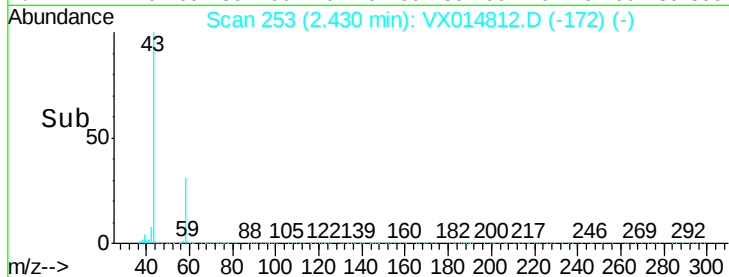
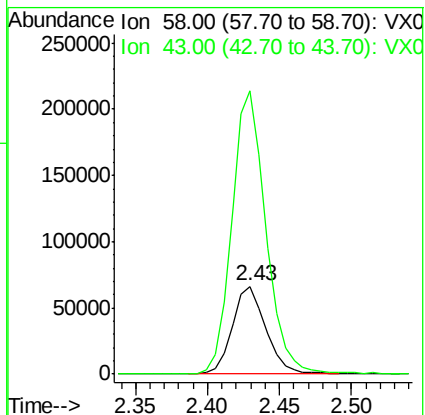
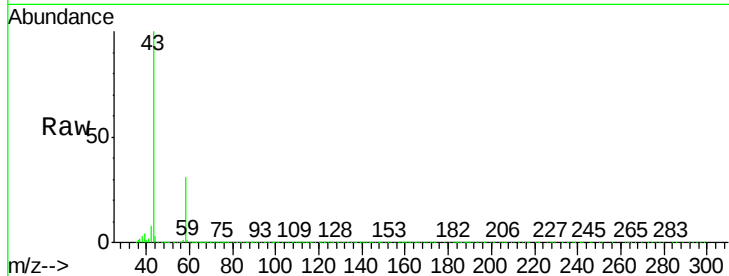
58 100

43 322.8 236.3 354.5

Manual Integrations
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2/6/2020 1:32:26 PM



#16

Carbon Disulfide

Concen: 20.244 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014812.D

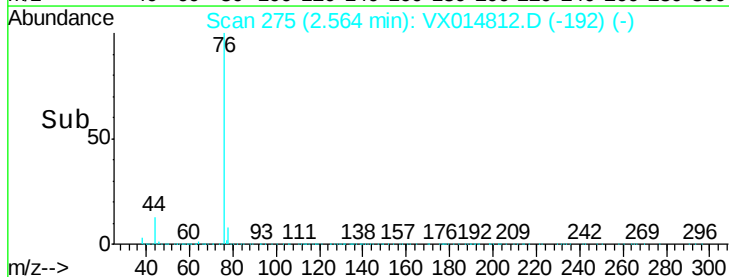
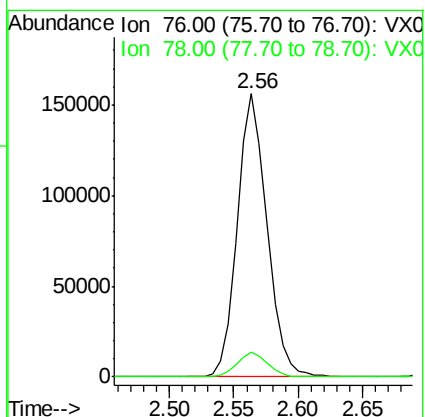
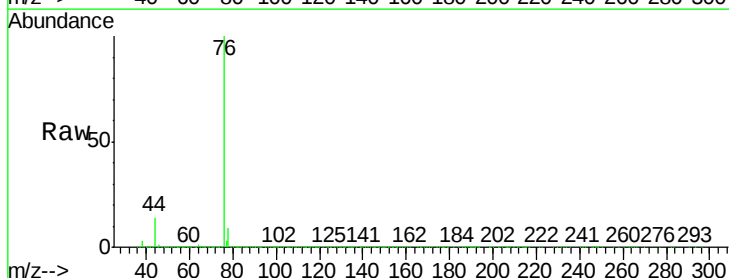
Acq: 05 Feb 2020 10:35

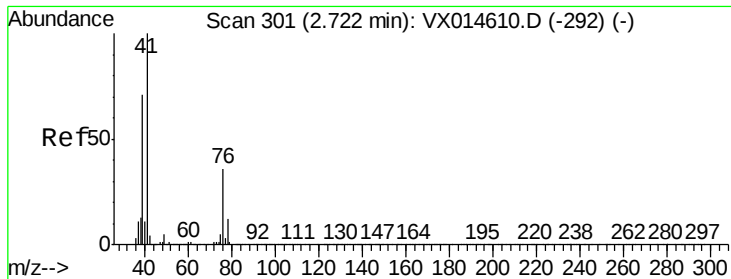
Tgt Ion: 76 Resp: 249448

Ion Ratio Lower Upper

76 100

78 8.5 7.8 11.8





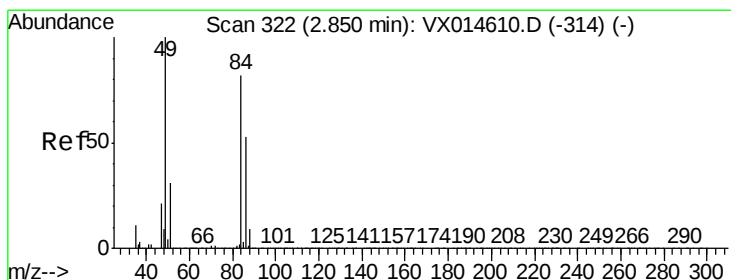
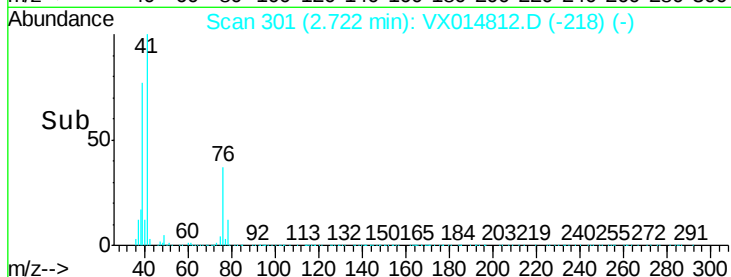
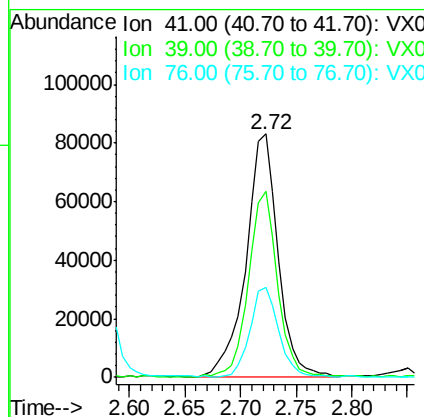
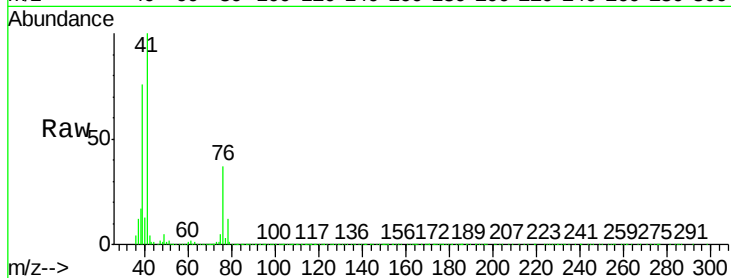
#17
Allvl chloride
Concen: 20.015 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.2	33.4	100.2
76	36.7	17.0	50.9

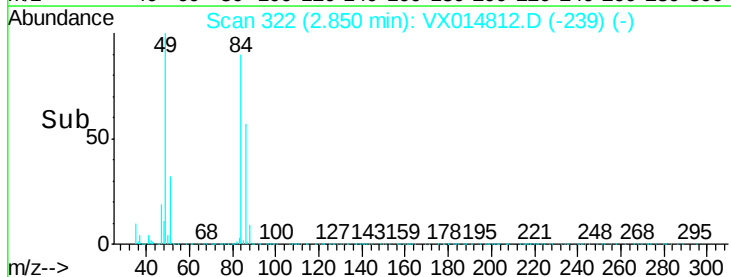
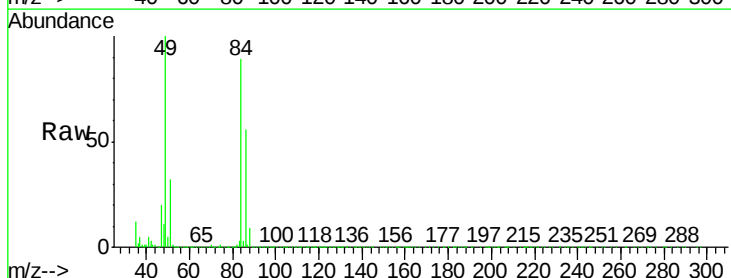
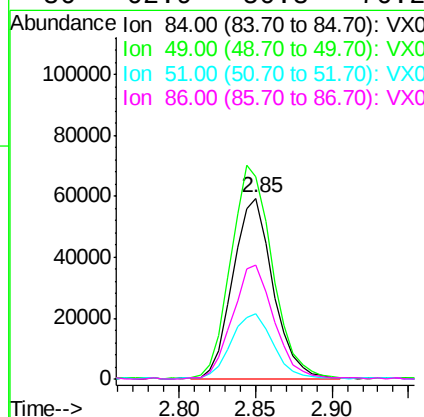
Manual Integrations
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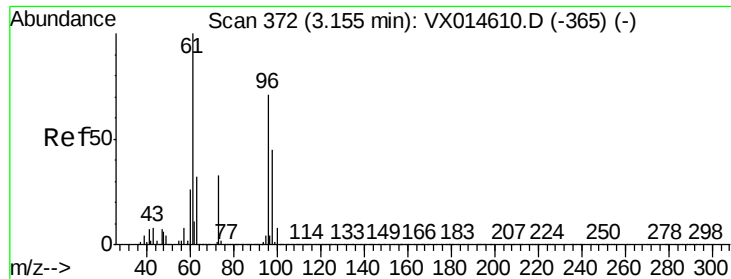
MMDadoda
2/6/2020 1:32:26 PM



#18
Methylene Chloride
Concen: 20.535 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	102.2	153.2
51	36.1	31.4	47.0
86	62.9	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 21.033 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

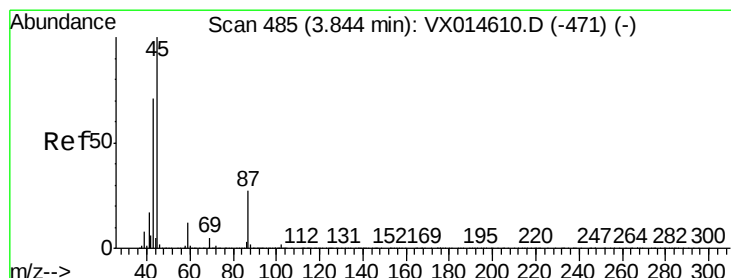
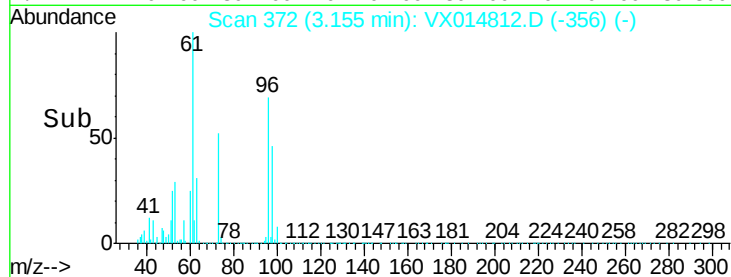
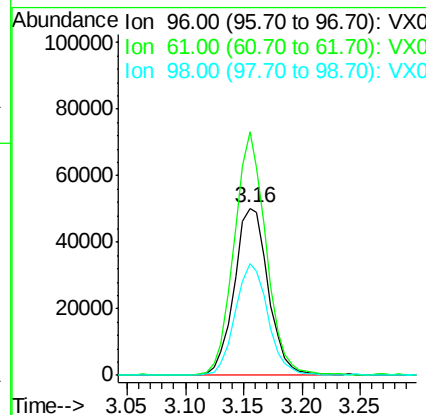
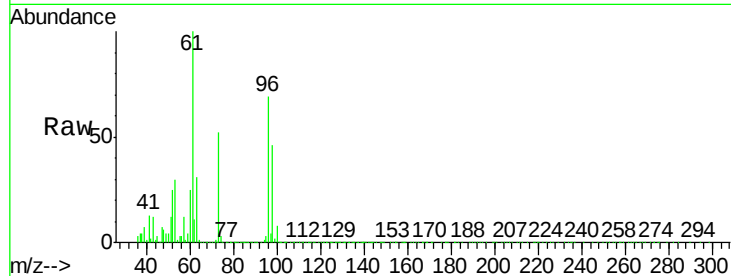
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	101585
Ion Ratio	Lower	Upper	
96	100		
61	145.4	106.6	159.8
98	66.7	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.970 ug/l

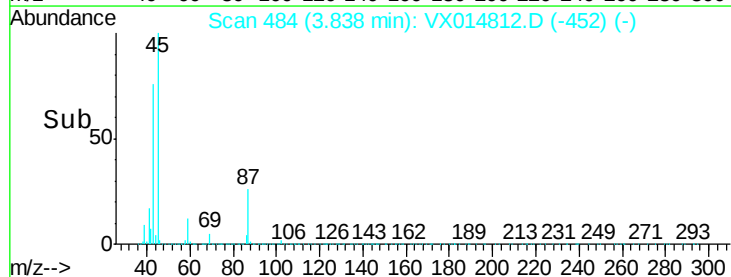
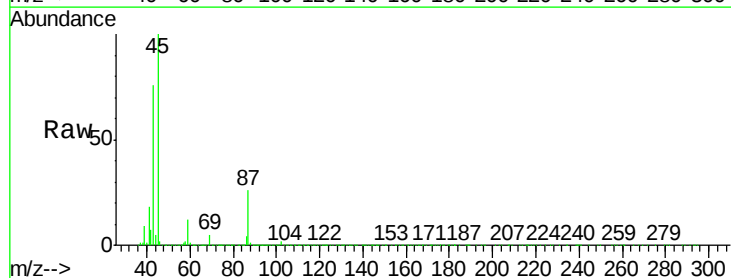
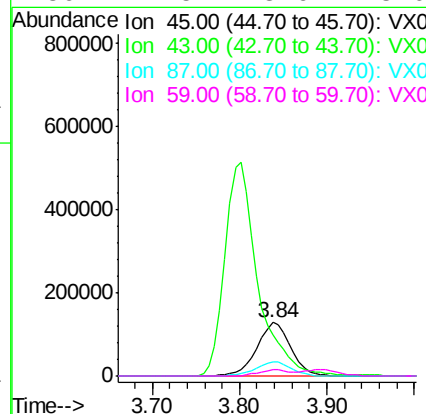
RT: 3.84 min Scan# 484

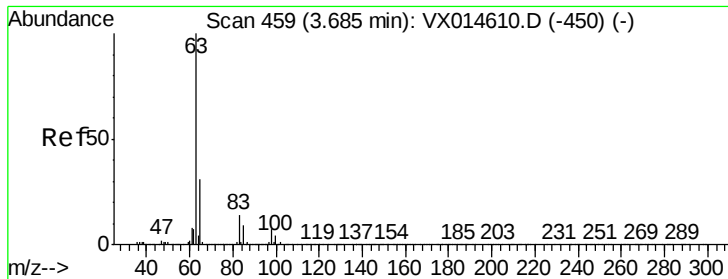
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	45	Resp:	344483
Ion Ratio	Lower	Upper	
45	100		
43	75.5	55.9	83.9
87	25.7	22.2	33.2
59	11.5	8.6	13.0





#21

1,1-Dichloroethane

Concen: 20.739 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

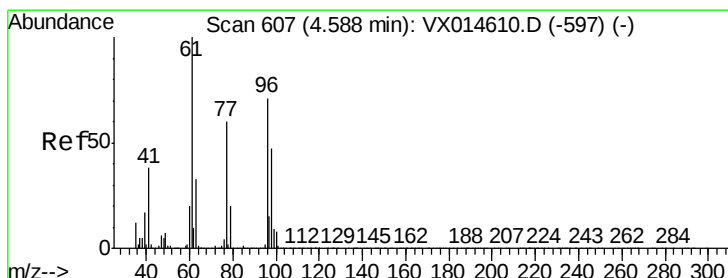
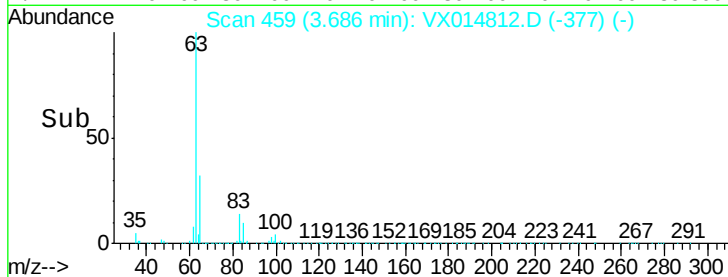
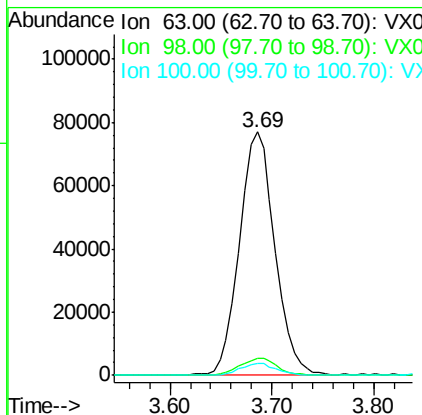
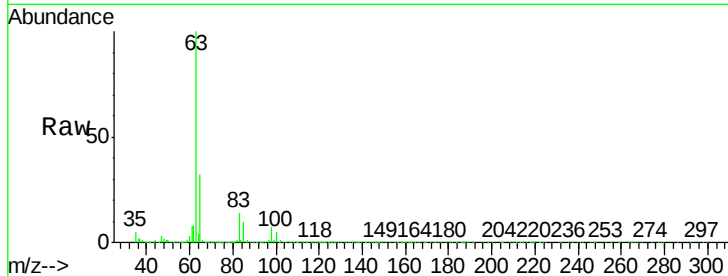
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	185088
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.1
100	5.0	2.5	7.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 21.077 ug/l

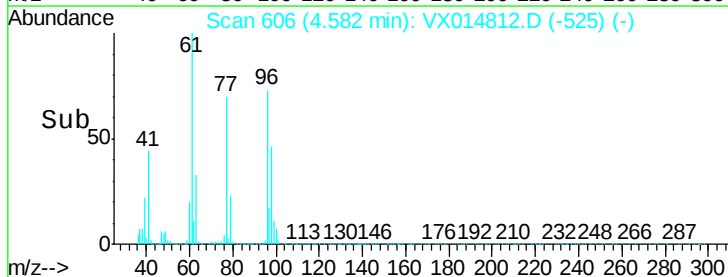
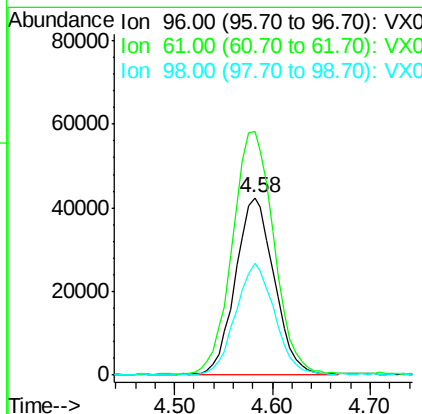
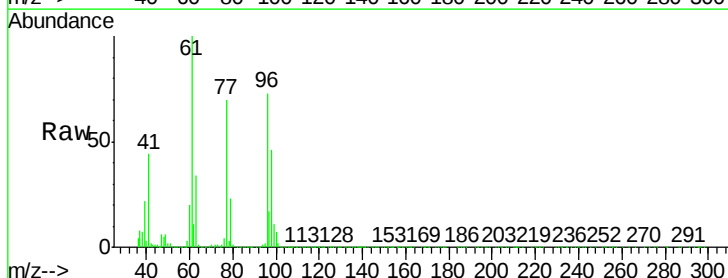
RT: 4.58 min Scan# 606

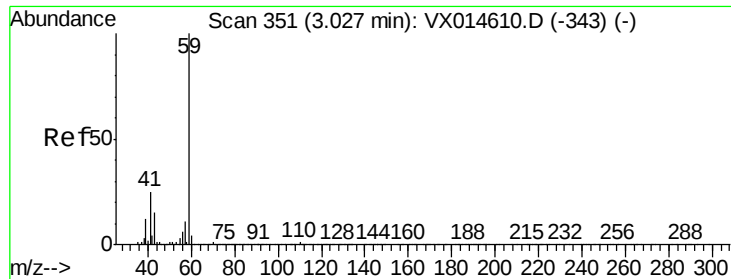
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	96	Resp:	116977
Ion Ratio	Lower	Upper	
96	100		
61	146.9	112.4	168.6
98	63.2	50.3	75.5





#23

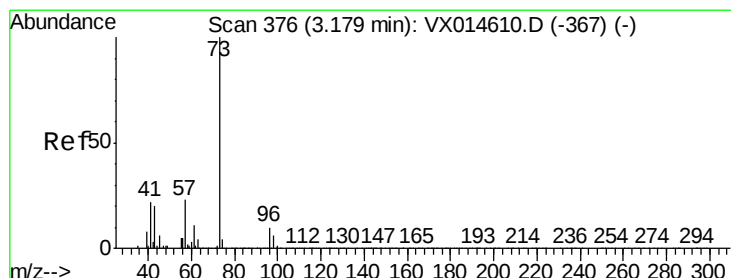
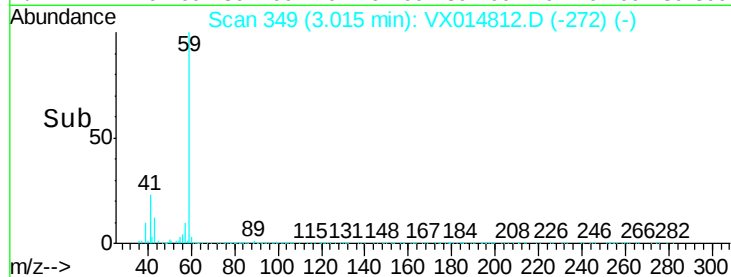
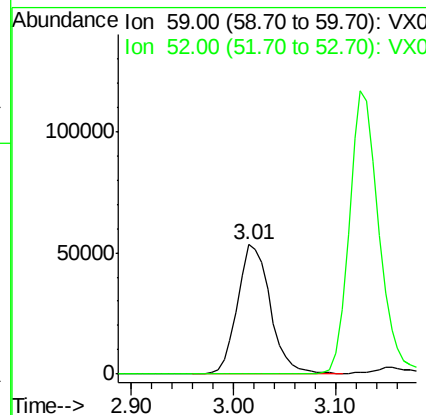
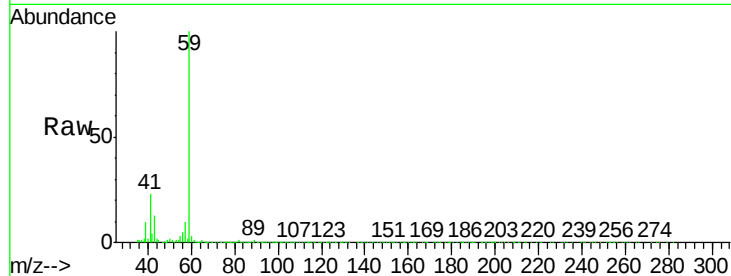
tert-Butyl Alcohol
Concen: 103.441 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.03 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

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

Manual Integrations
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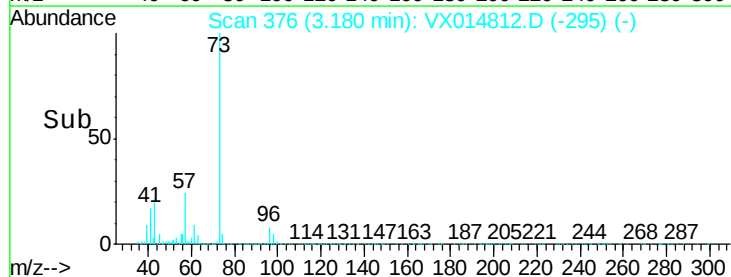
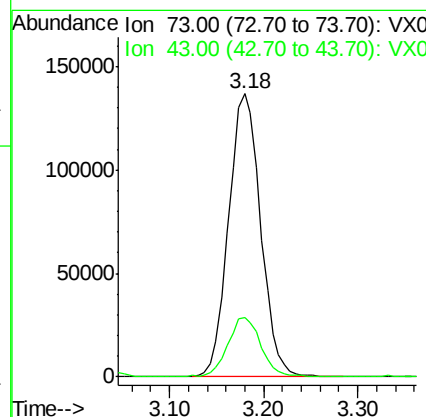
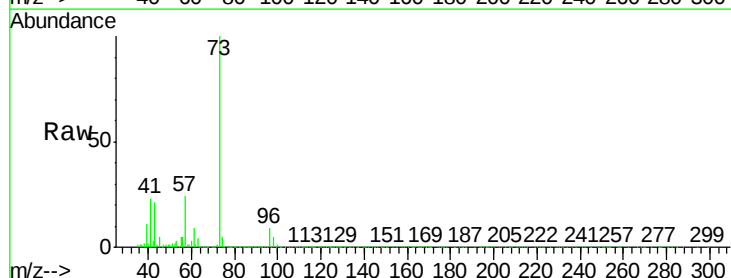
MMDadoda
2/6/2020 1:32:26 PM

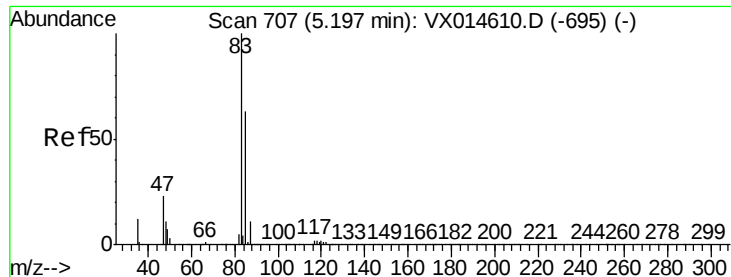


#24

Methyl tert-Butyl Ether
Concen: 21.546 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	16.6	25.0





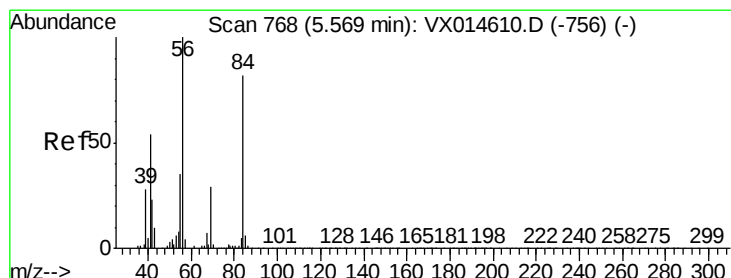
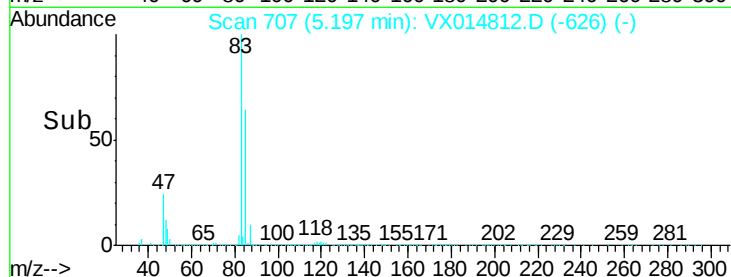
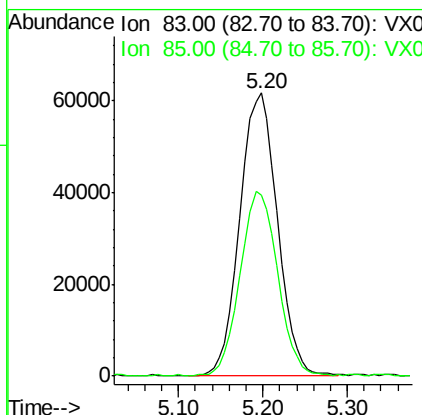
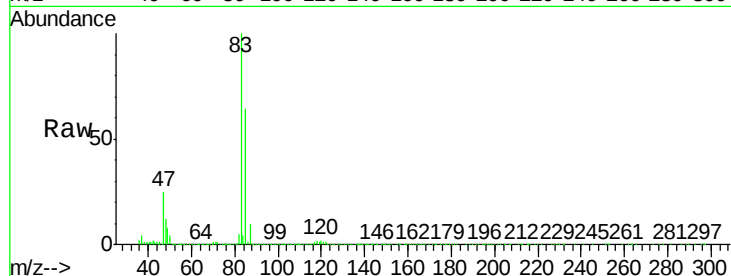
#25
Chloroform
Concen: 21.563 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.7	79.1

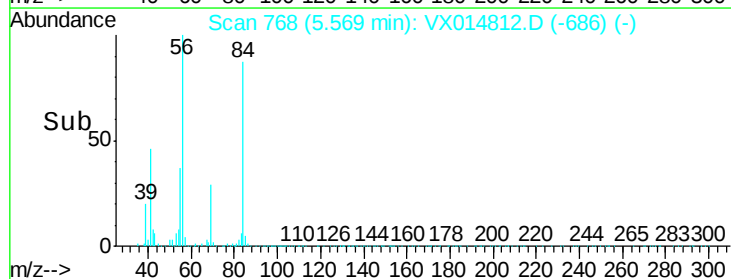
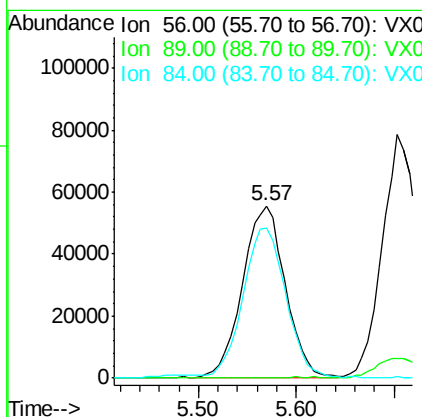
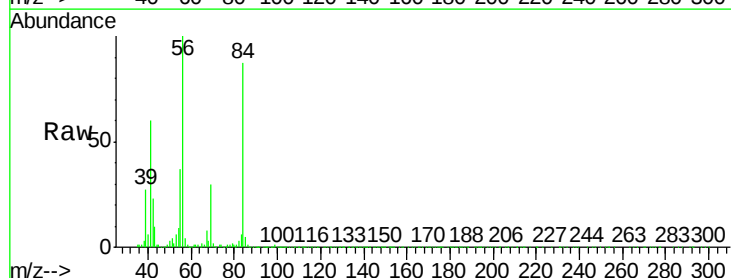
Manual Integrations
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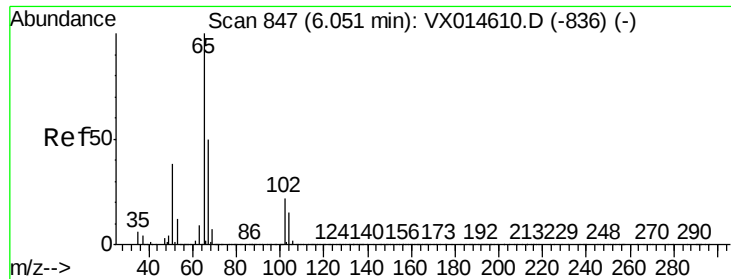
MMDadoda
2/6/2020 1:32:26 PM



#26
Cyclohexane
Concen: 20.420 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.1	0.1#
84	87.8	70.8	106.2





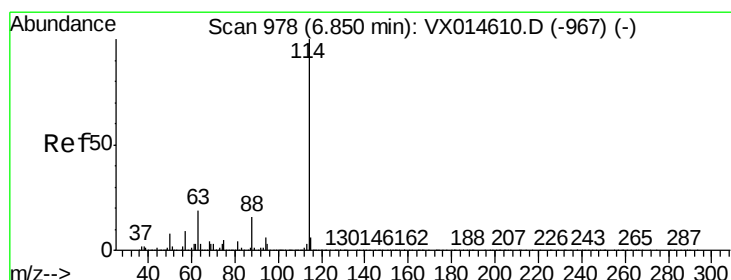
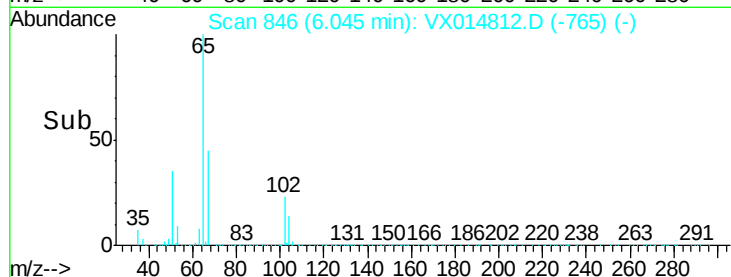
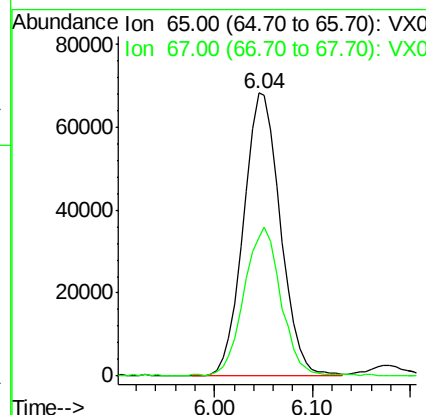
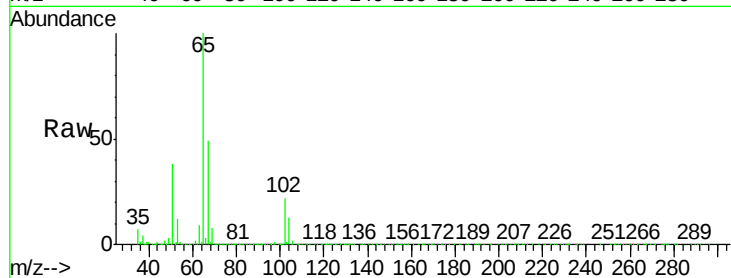
#27
1,2-Dichloroethane-d4
Concen: 31.346 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	43.1	64.7

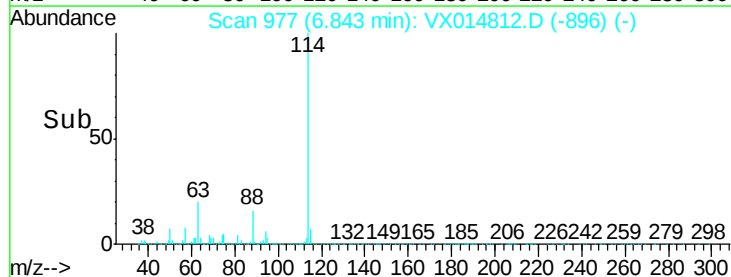
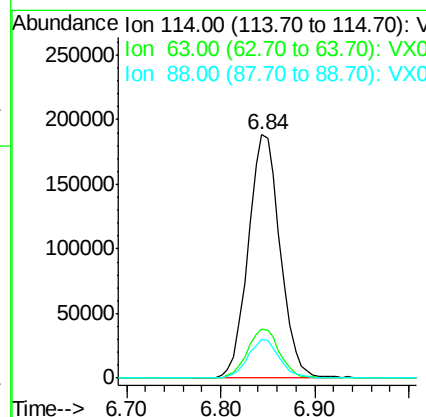
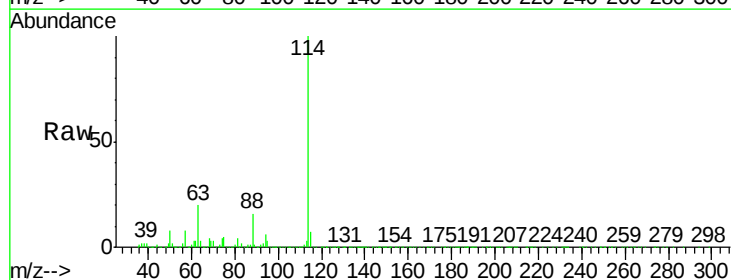
Manual Integrations
APPROVED

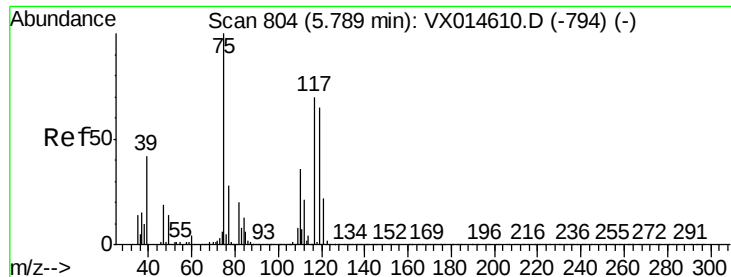
MMDadoda
2/6/2020 1:32:26 PM



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

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





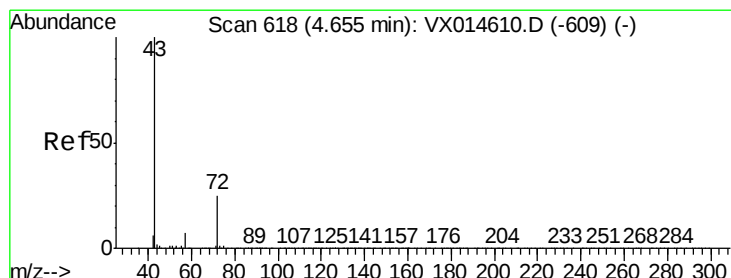
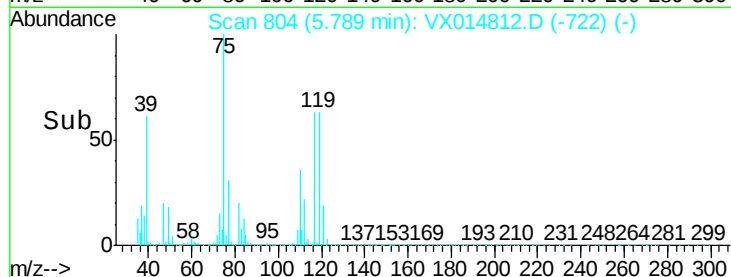
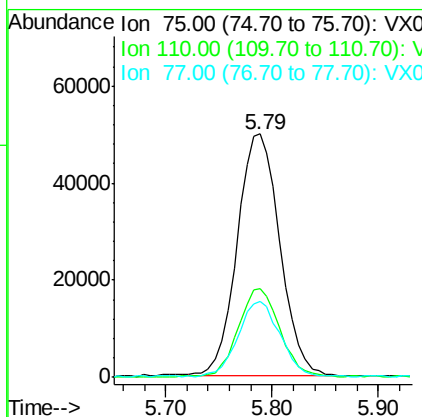
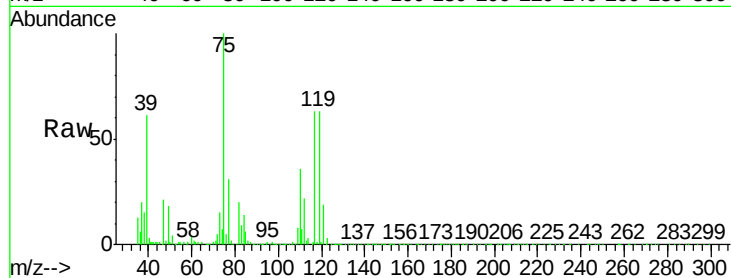
#29
 1,1-Dichloropropene
 Concen: 21.295 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.6	0.0	73.8
77	31.0	0.0	62.4

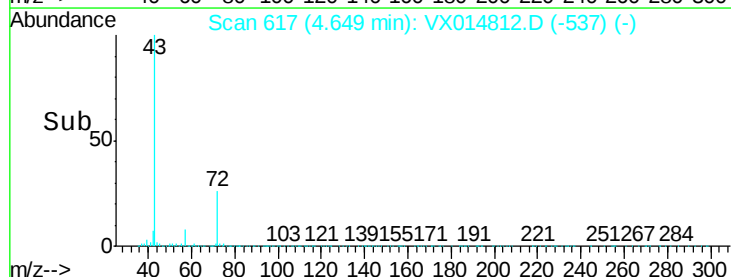
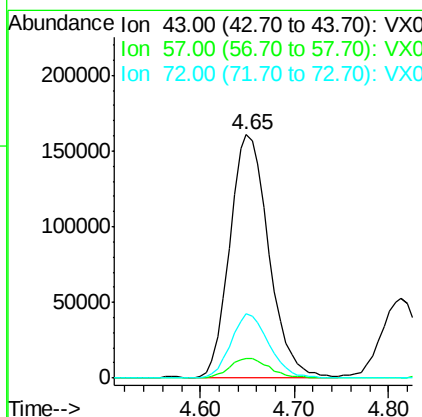
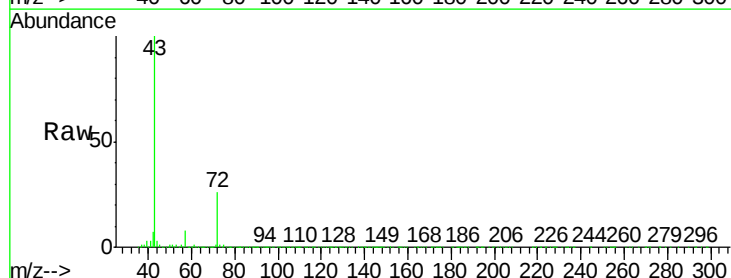
Manual Integrations
 APPROVED

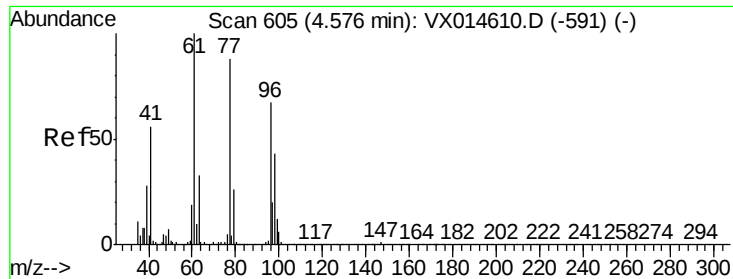
MMDadoda
 2/6/2020 1:32:26 PM



#30
 2-Butanone
 Concen: 110.665 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.2
72	25.2	20.3	30.5





#31

2,2-Dichloropropane

Concen: 21.852 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 153372

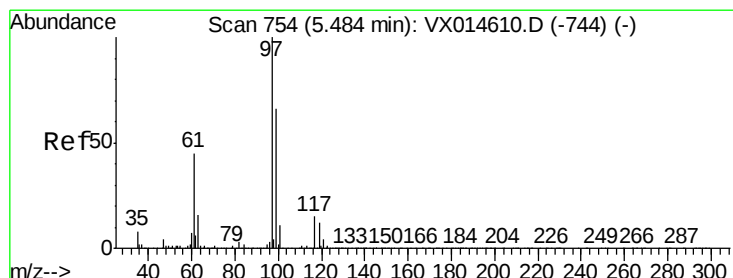
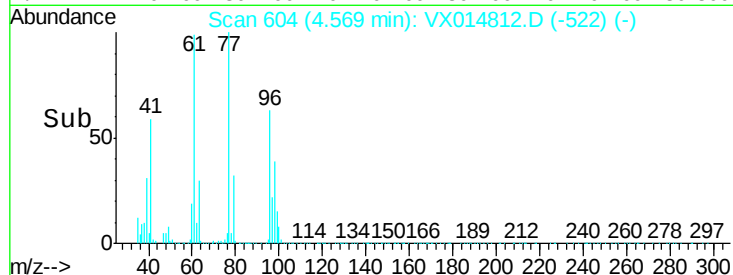
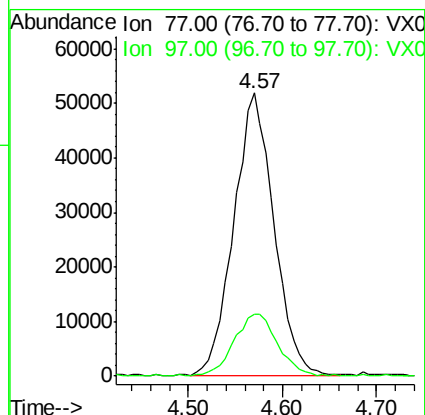
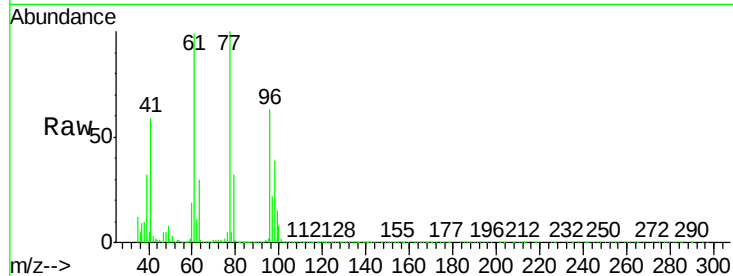
Ion Ratio Lower Upper

77 100

97 23.5 19.7 29.5

Manual Integrations
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MMDadoda
2/6/2020 1:32:26 PM



#32

1,1,1-Trichloroethane

Concen: 21.414 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

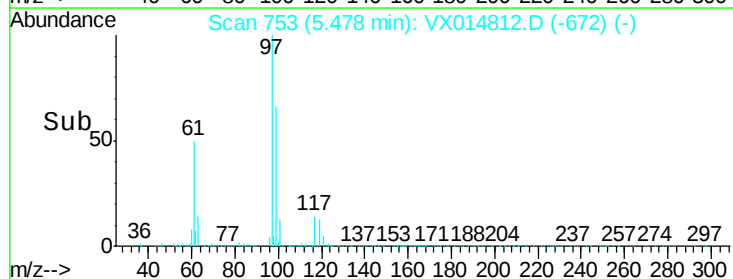
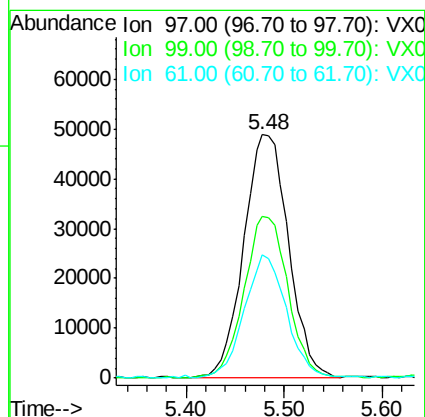
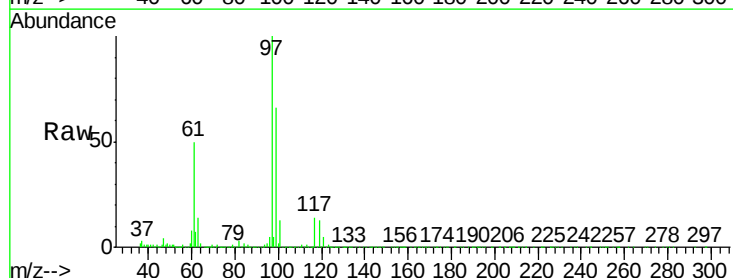
Tgt Ion: 97 Resp: 155399

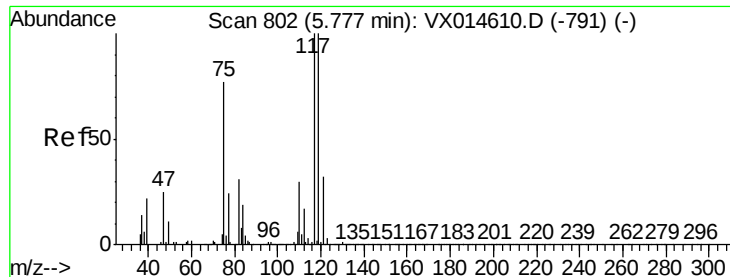
Ion Ratio Lower Upper

97 100

99 64.8 51.9 77.9

61 46.7 36.8 55.2





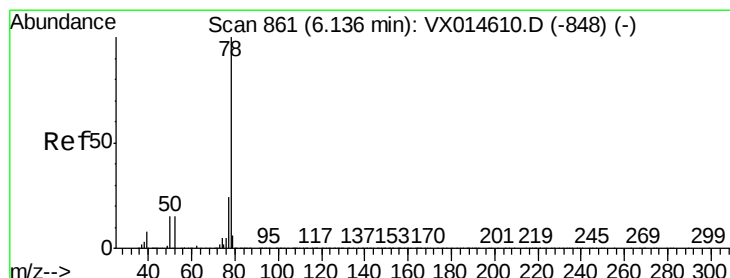
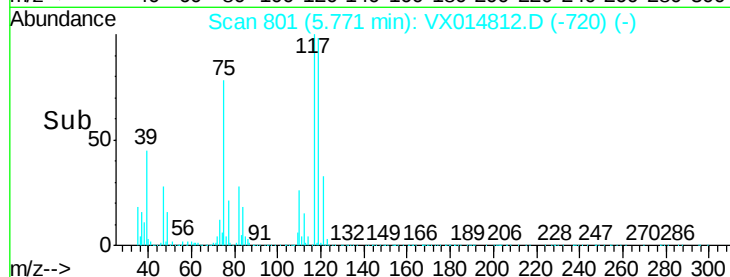
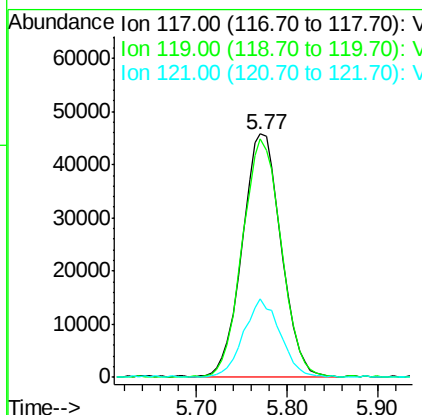
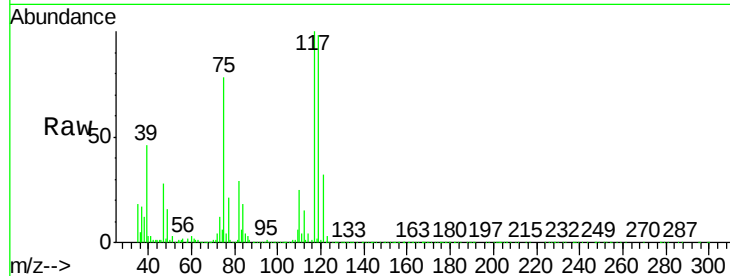
#33
Carbon Tetrachloride
Concen: 21.809 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.2	115.8
121	32.3	24.8	37.2

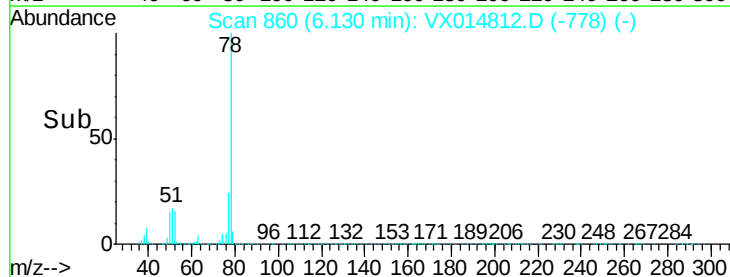
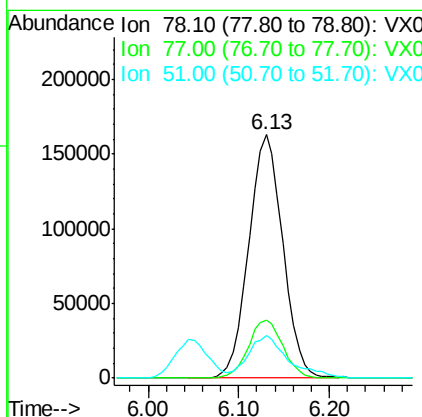
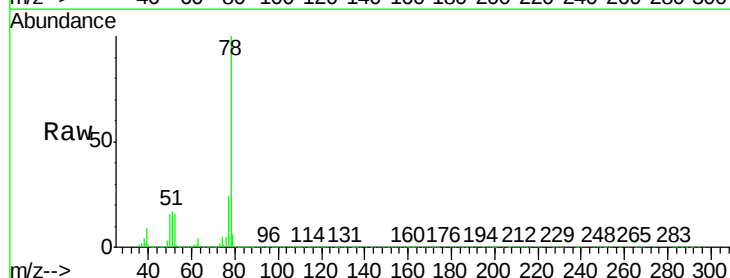
Manual Integrations
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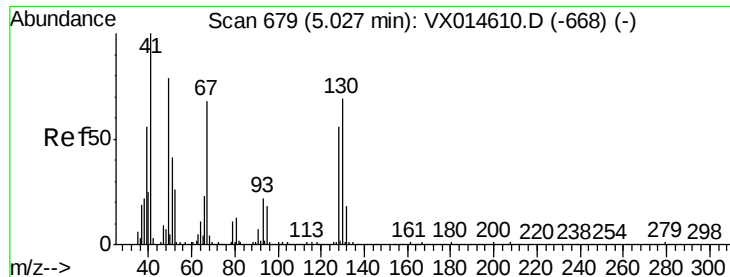
MMDadoda
2/6/2020 1:32:26 PM



#34
Benzene
Concen: 20.826 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.2
51	16.8	12.4	18.6





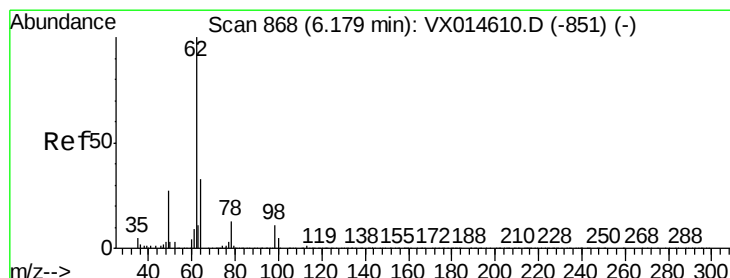
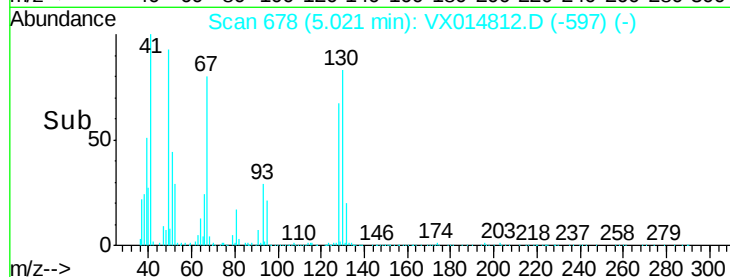
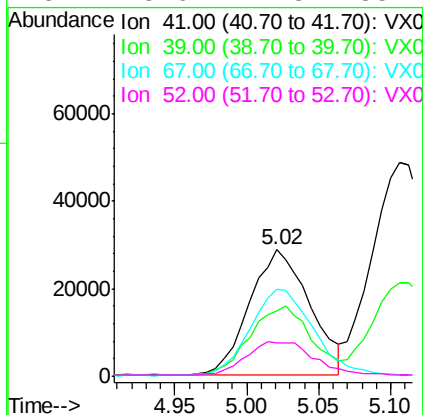
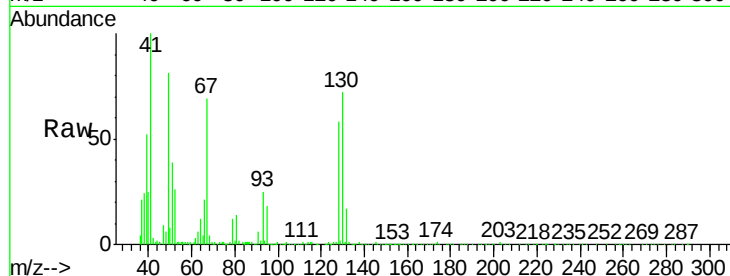
#35
Methacrylonitrile
Concen: 20.123 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.9	26.7	80.1	
67	68.2	31.5	94.5	
52	25.6	12.8	38.4	

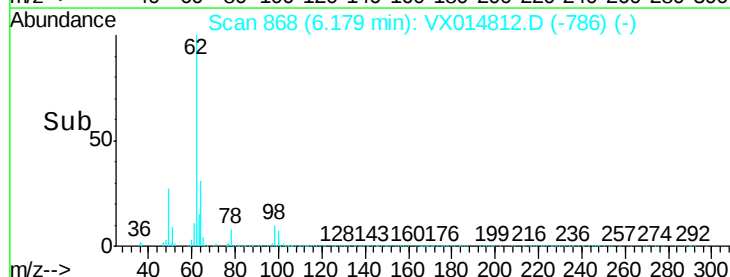
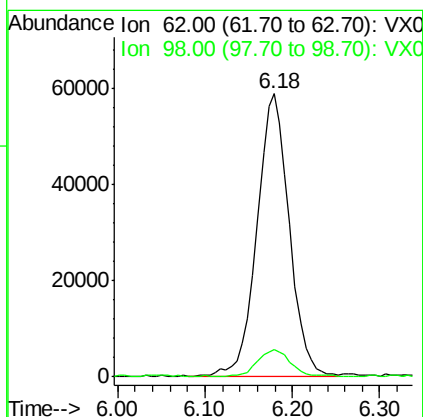
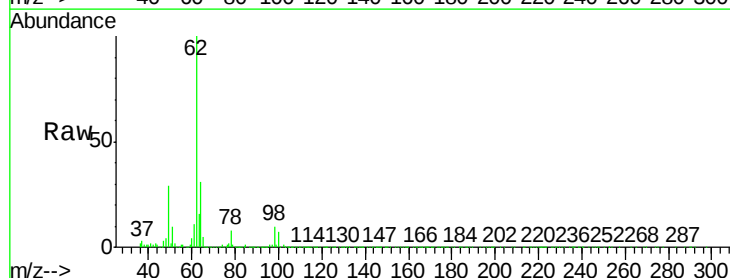
Manual Integrations
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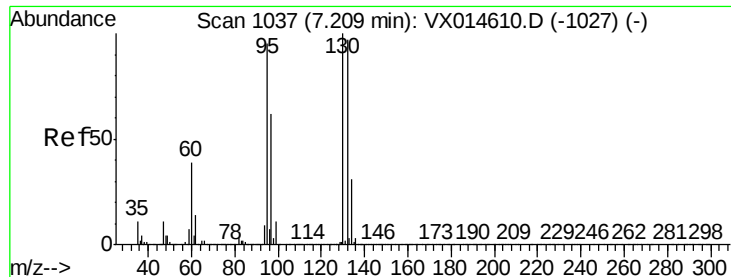
MMDadoda
2/6/2020 1:32:26 PM



#36
1,2-Dichloroethane
Concen: 21.369 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	8.4	12.6	





#37

Trichloroethene

Concen: 21.132 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 117282

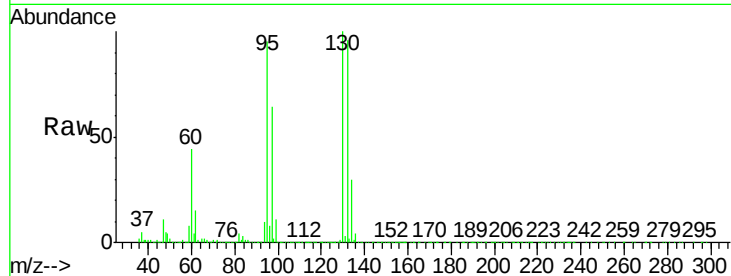
Ion Ratio Lower Upper

130 100

95 94.8 71.7 107.5

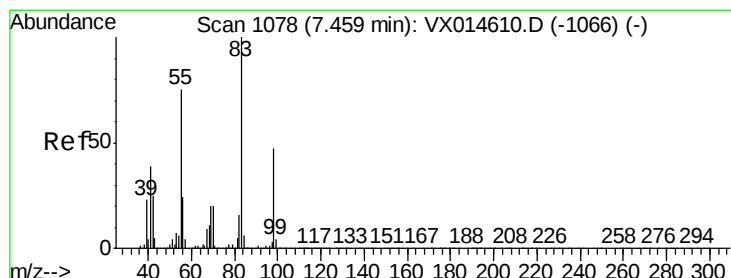
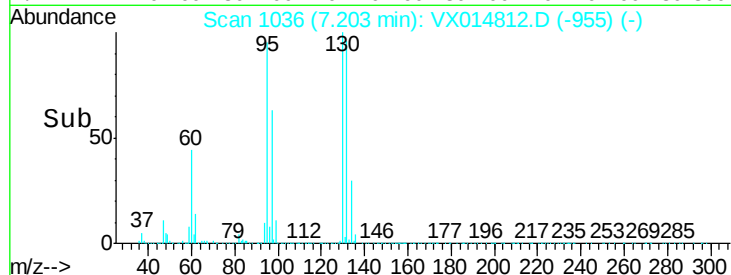
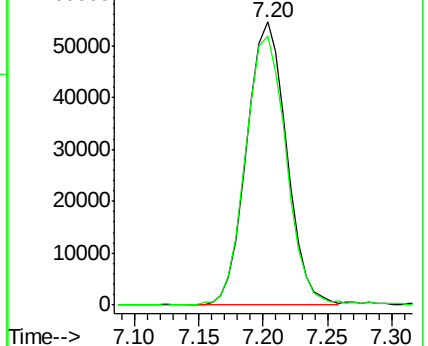
Manual Integrations
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2/6/2020 1:32:26 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 21.202 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

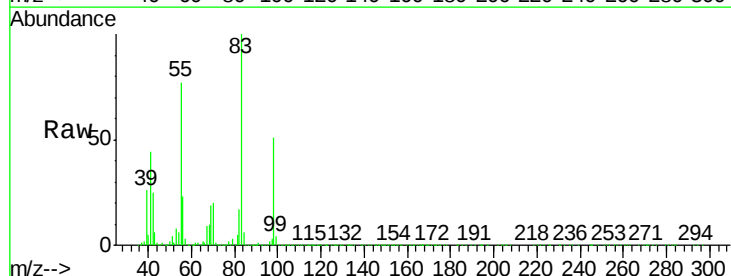
Tgt Ion: 83 Resp: 173164

Ion Ratio Lower Upper

83 100

55 77.7 39.4 118.1

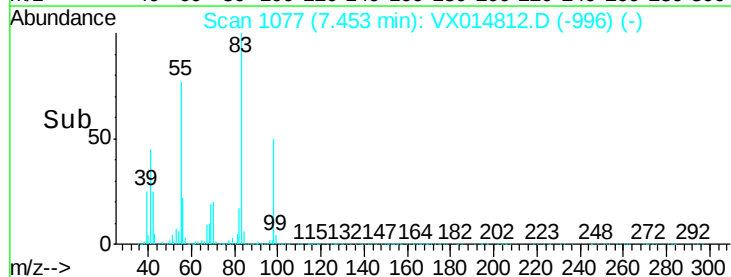
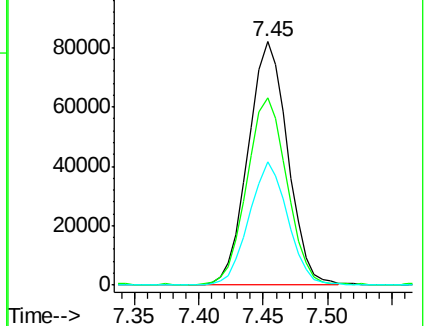
98 49.5 25.1 75.3

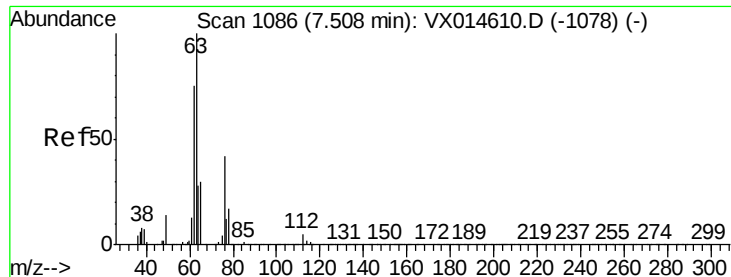


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





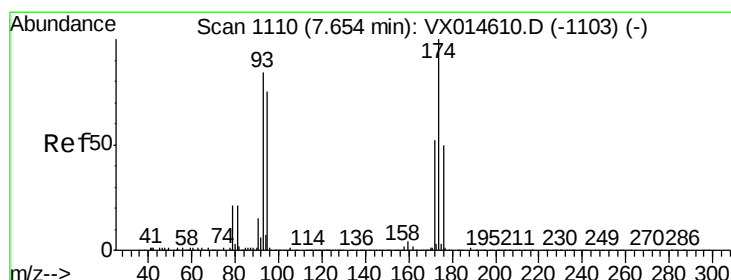
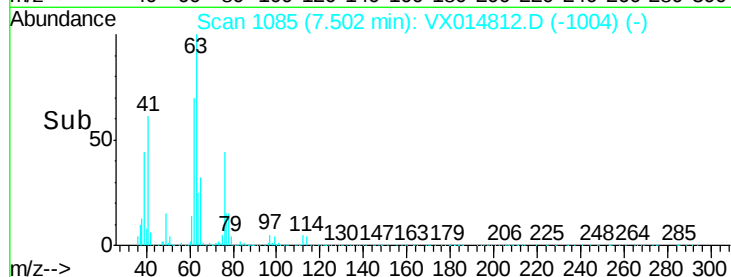
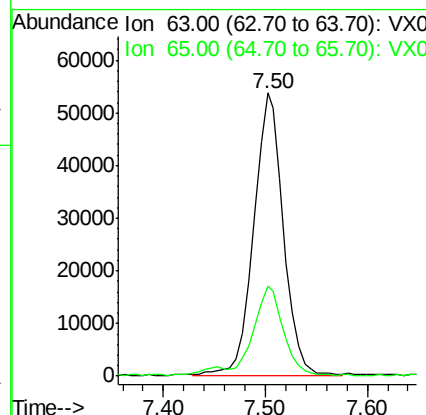
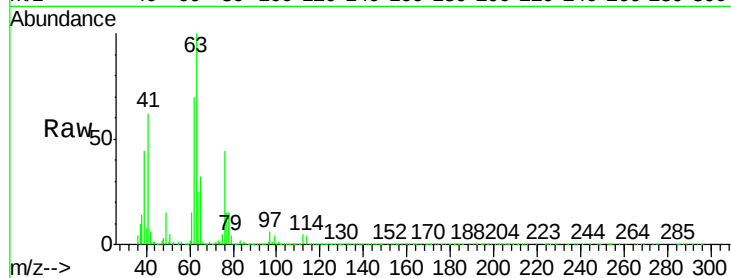
#39
 1,2-Dichloropropane
 Concen: 20.523 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.1	33.1

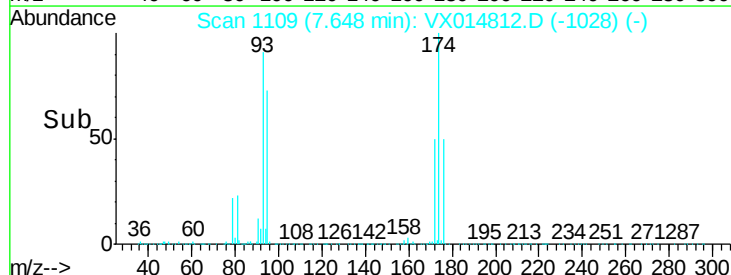
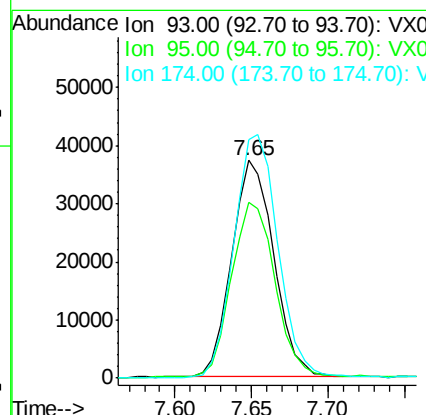
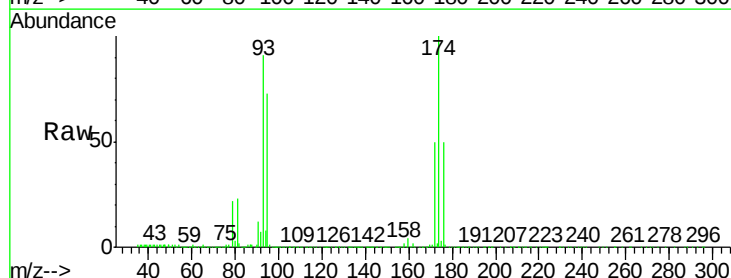
Manual Integrations
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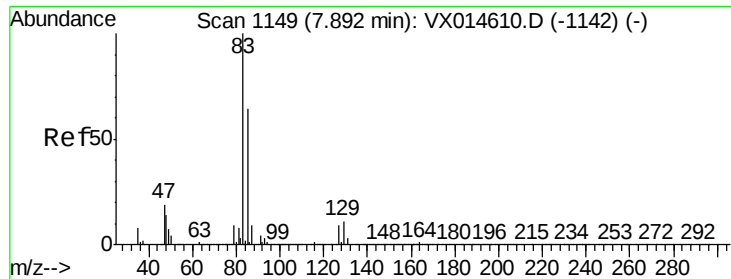
MMDadoda
 2/6/2020 1:32:26 PM



#40
 Dibromomethane
 Concen: 20.946 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	164.4
174	118.7	0.0	228.8





#41

Bromodichloromethane

Concen: 21.530 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

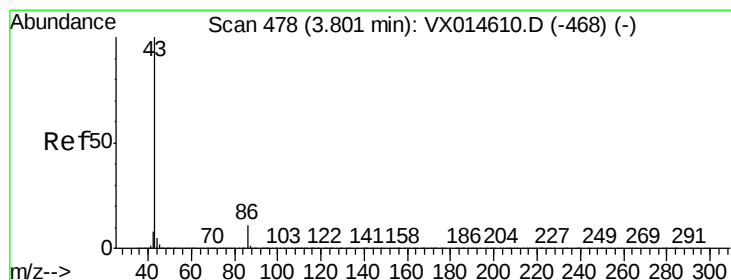
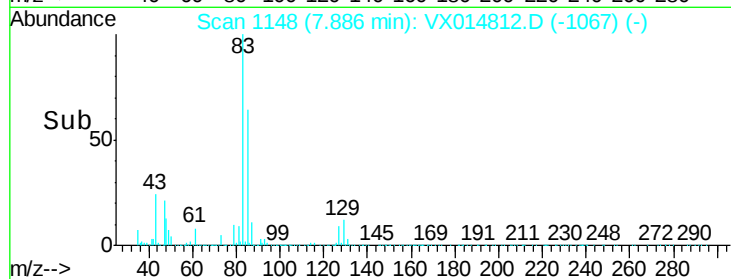
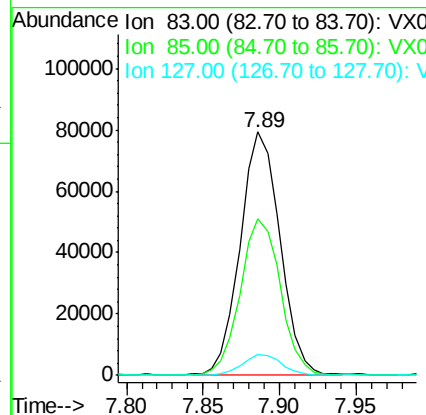
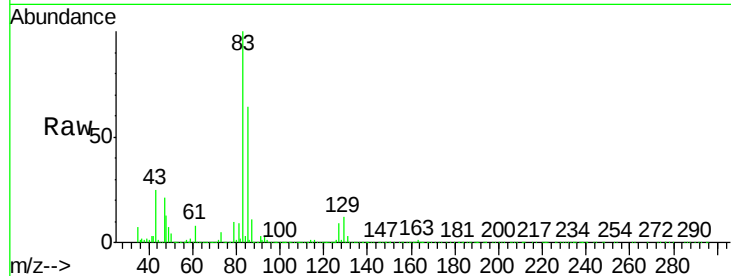
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	142818
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.6	77.4
127	8.6	6.0	9.0

Manual Integrations
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2/6/2020 1:32:26 PM



#42

Vinyl Acetate

Concen: 105.115 ug/l

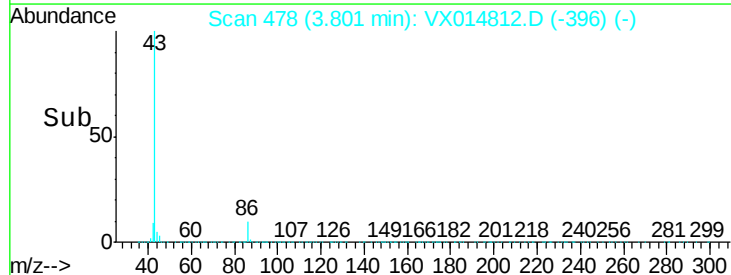
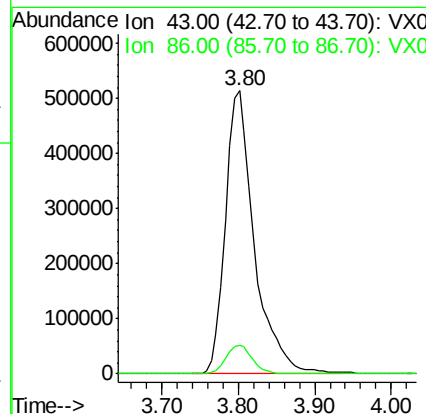
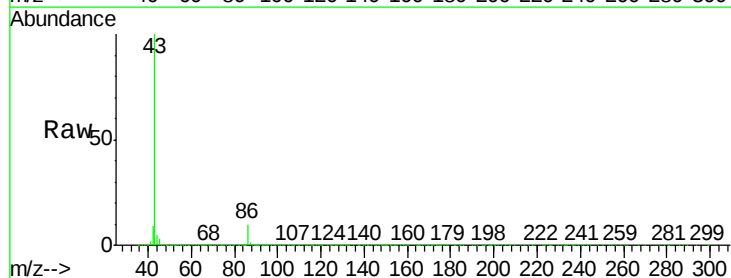
RT: 3.80 min Scan# 478

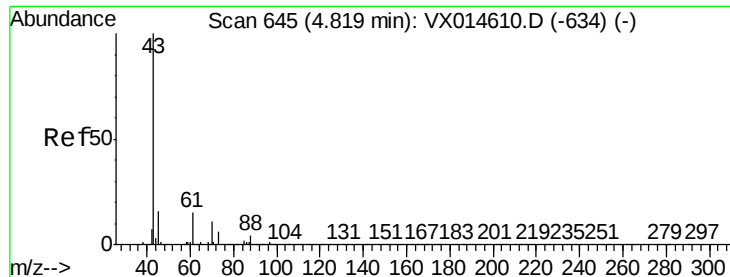
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	43	Resp:	1346229
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.7	11.5





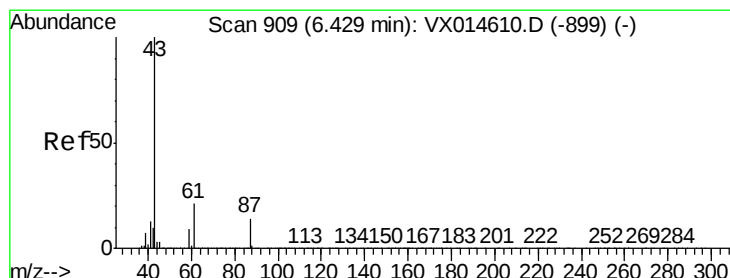
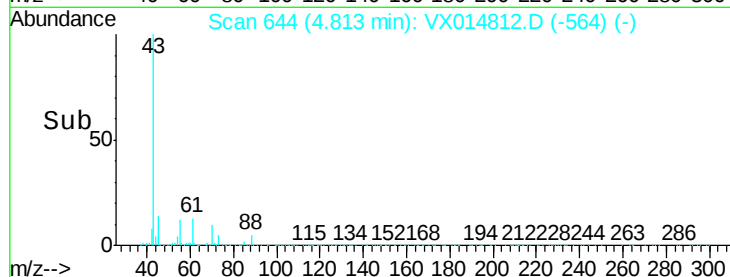
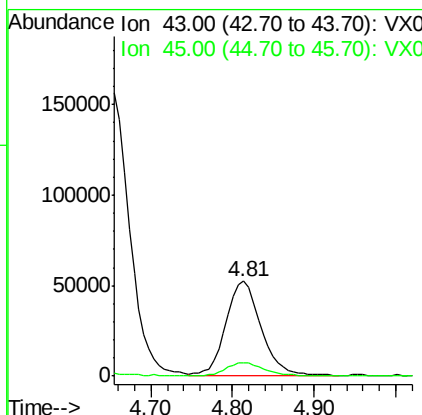
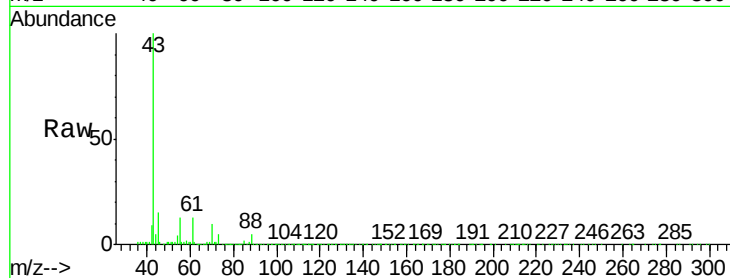
#43
Ethyl Acetate
Concen: 20.663 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.4	11.8	17.8

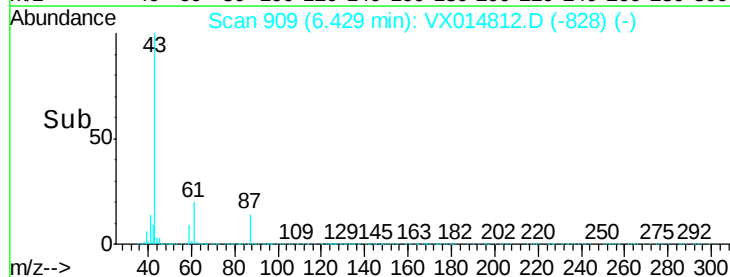
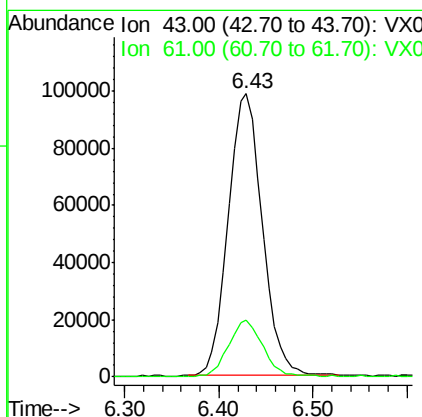
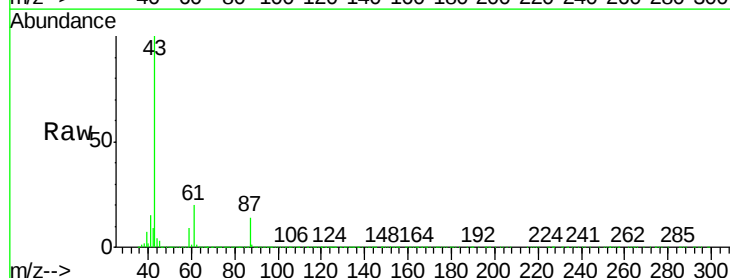
Manual Integrations
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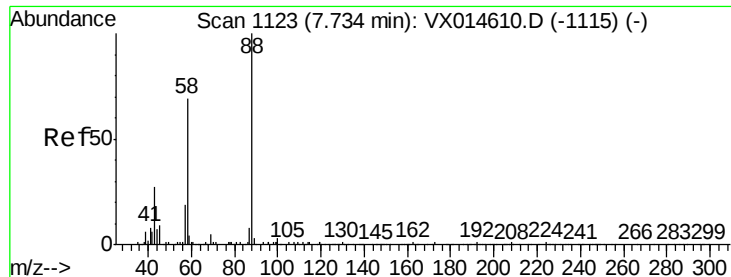
MMDadoda
2/6/2020 1:32:26 PM



#44
Isopropyl Acetate
Concen: 20.534 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.9	23.9





#45

1,4-Dioxane

Concen: 416.201 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

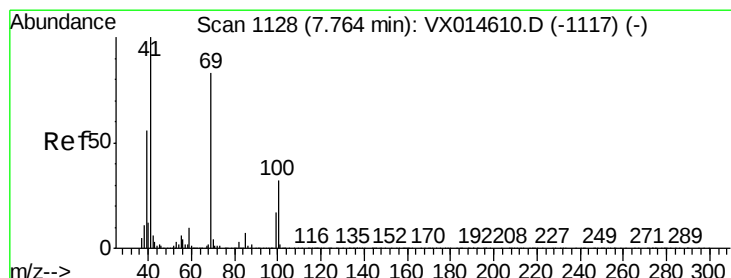
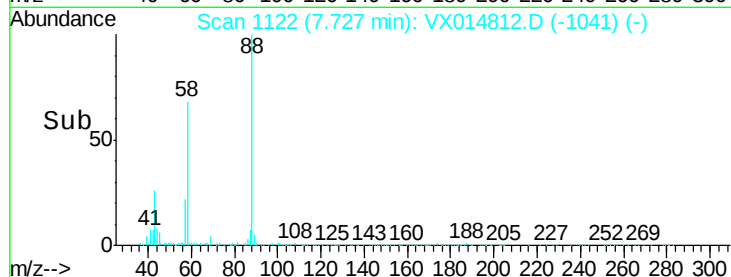
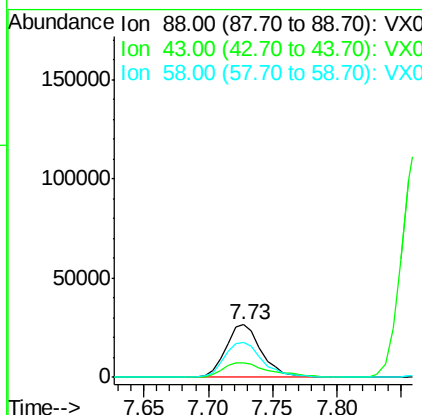
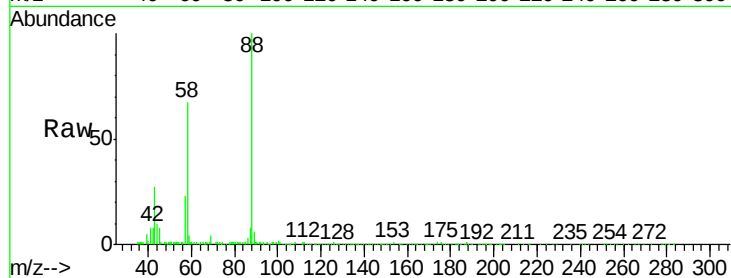
ClientSampleId :

VSTDCCC020

Tot Ion:	88	Resp:	50519
Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.4	38.2
58	70.0	56.5	84.7

Manual Integrations
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2/6/2020 1:32:26 PM



#46

Methyl methacrylate

Concen: 20.694 ug/l

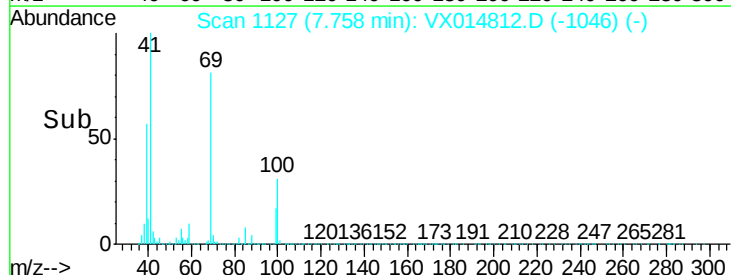
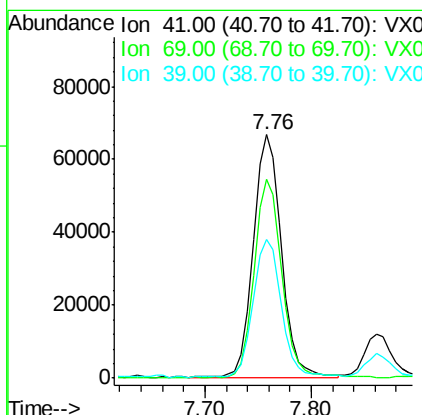
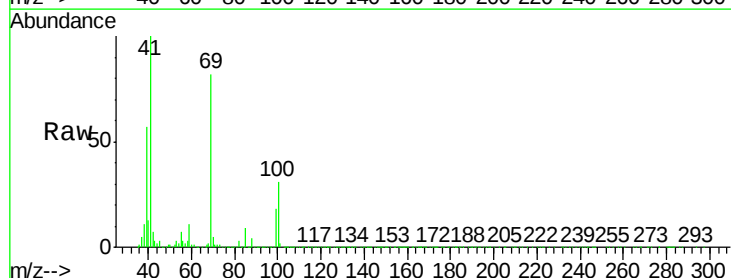
RT: 7.76 min Scan# 1127

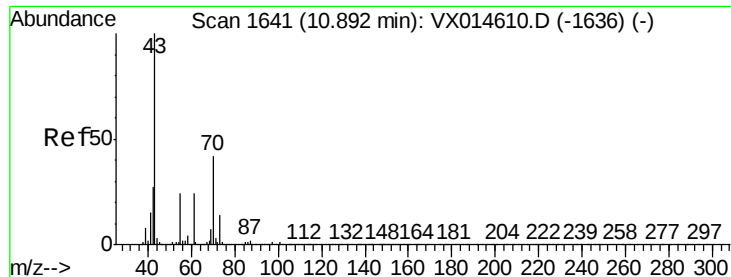
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	41	Resp:	123489
Ion	Ratio	Lower	Upper
41	100		
69	81.8	40.6	122.0
39	56.9	27.8	83.3





#47

n-amvl Acetate

Concen: 20.195 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 205327

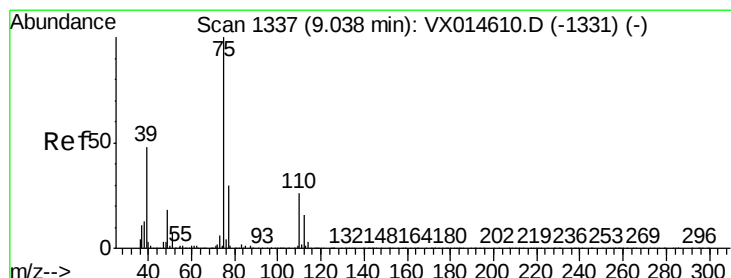
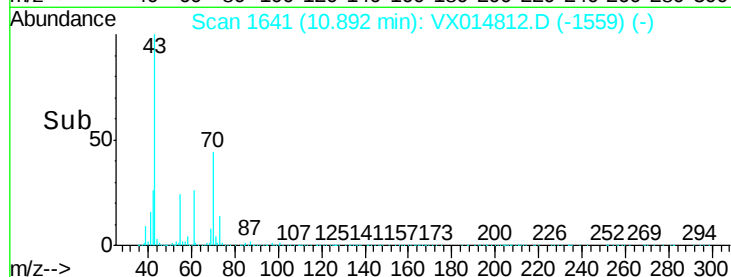
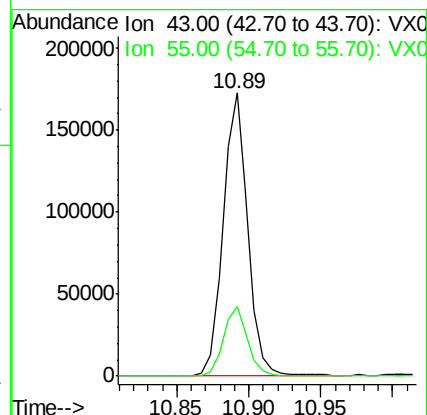
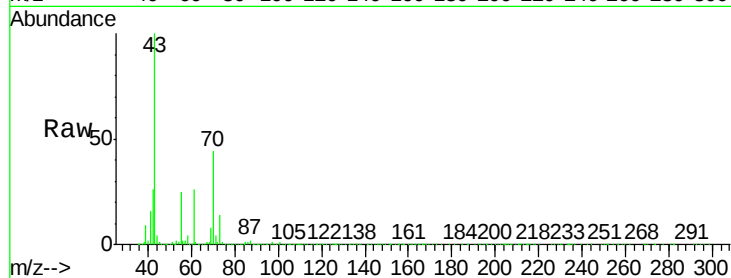
Ion Ratio Lower Upper

43 100

55 24.5 19.4 29.2

Manual Integrations
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2/6/2020 1:32:26 PM



#48

t-1,3-Dichloropropene

Concen: 21.169 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014812.D

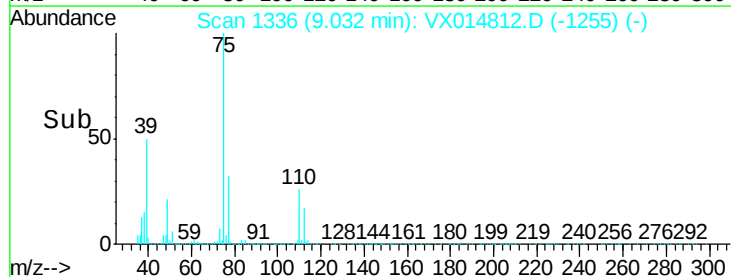
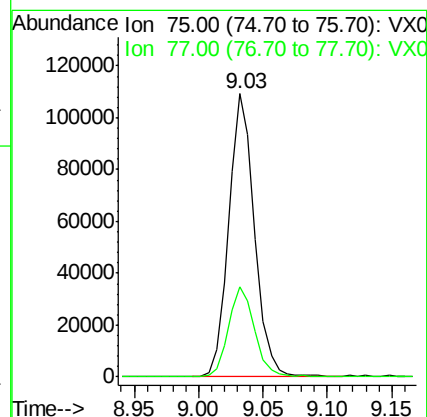
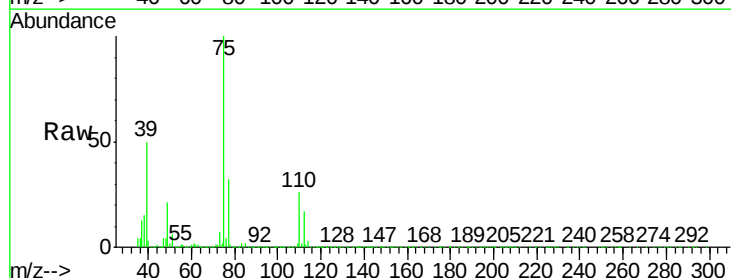
Acq: 05 Feb 2020 10:35

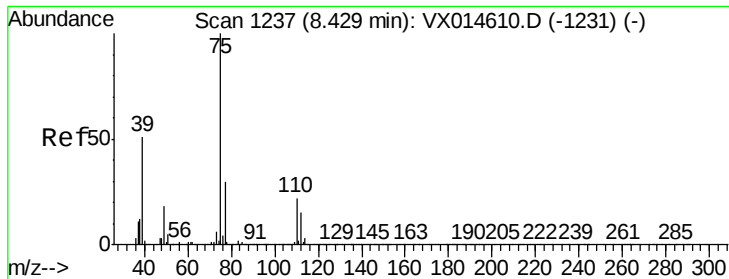
Tgt Ion: 75 Resp: 153311

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0





#49

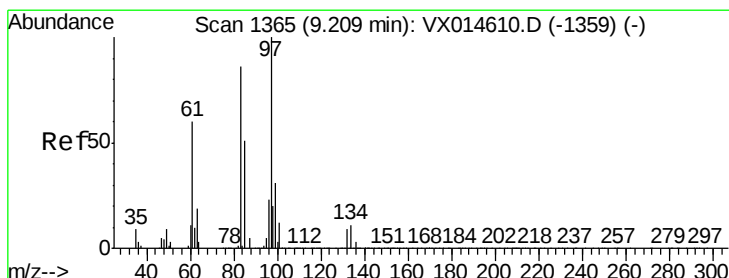
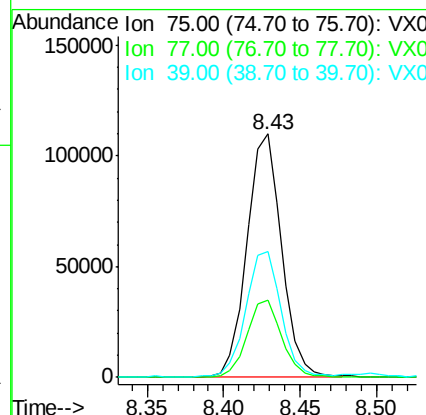
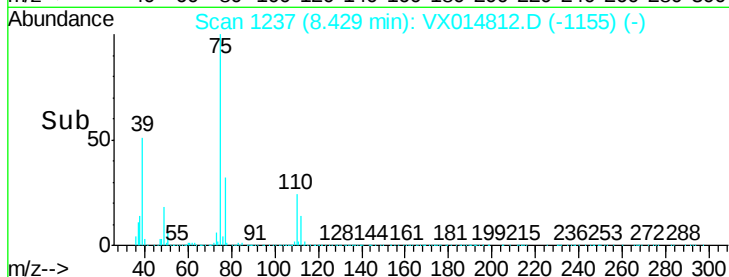
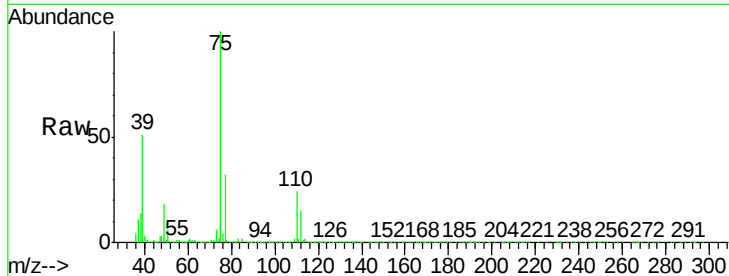
cis-1,3-Dichloropropene
Concen: 21.127 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	51.3	41.1	61.7

Manual Integrations
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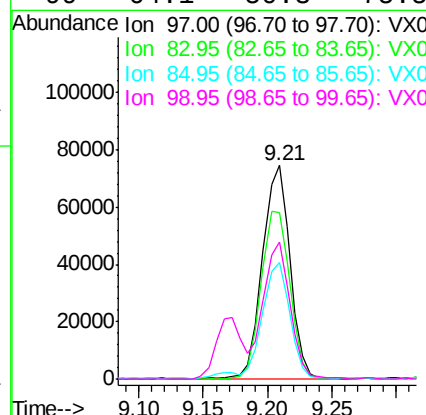
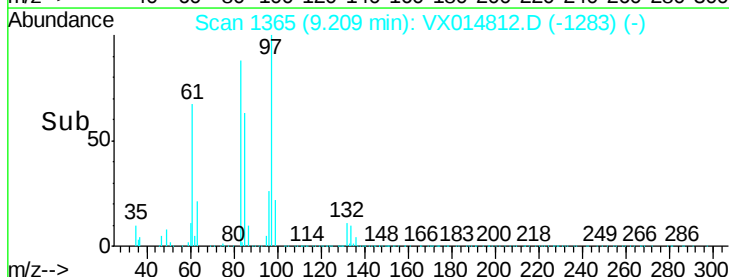
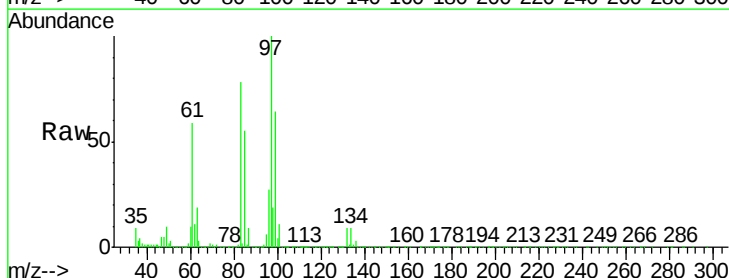
MMDadoda
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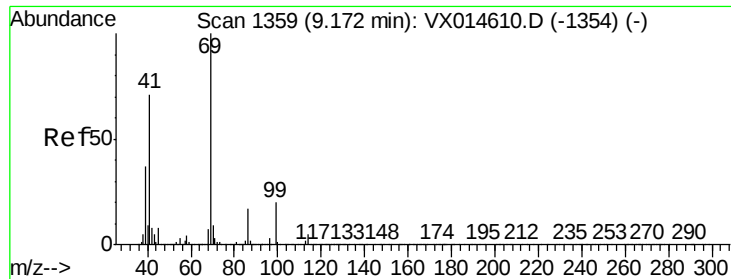


#50

1,1,2-Trichloroethane
Concen: 21.398 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.7	68.1	102.1
85	54.4	42.7	64.1
99	64.1	50.3	75.5





#51

Ethyl methacrylate

Concen: 20.356 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

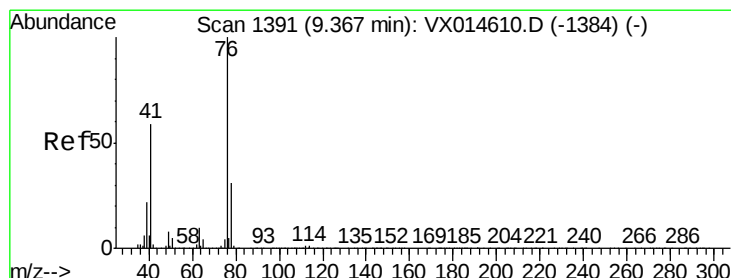
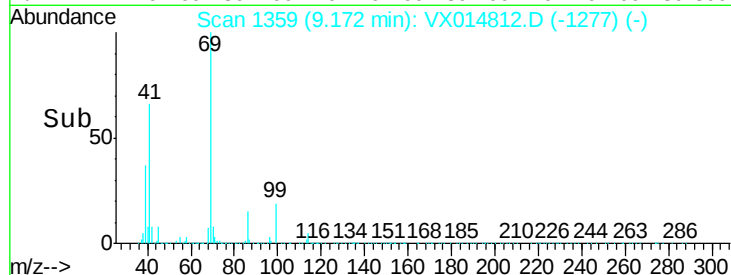
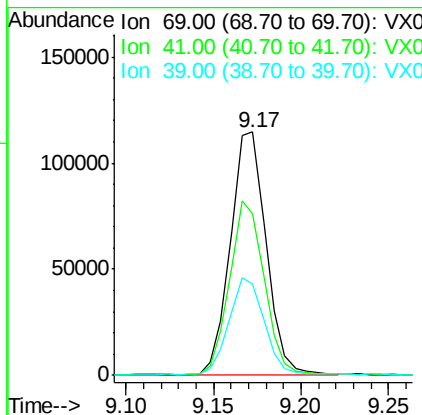
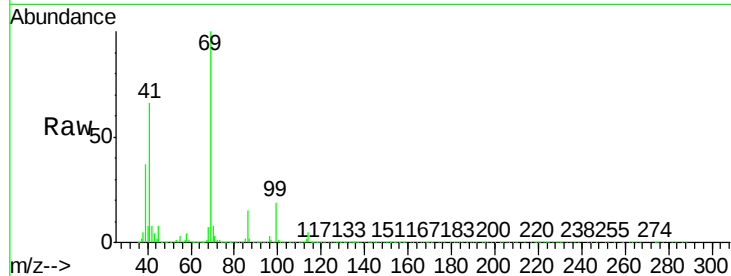
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	163372
Ion Ratio	Lower	Upper	
69	100		
41	66.2	35.4	106.1
39	36.9	17.8	53.3

Manual Integrations
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2/6/2020 1:32:26 PM



#52

1,3-Dichloropropane

Concen: 21.074 ug/l

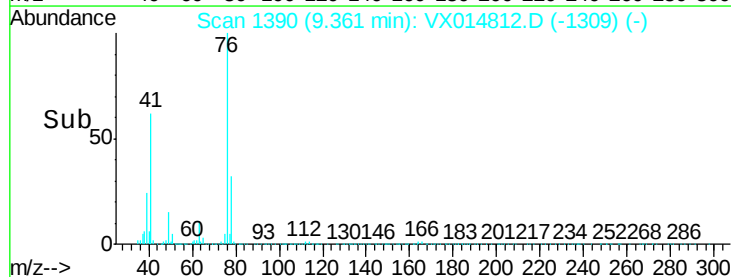
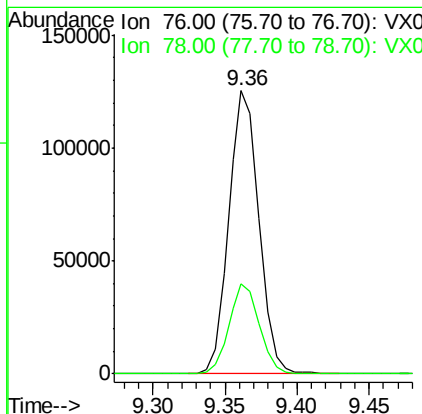
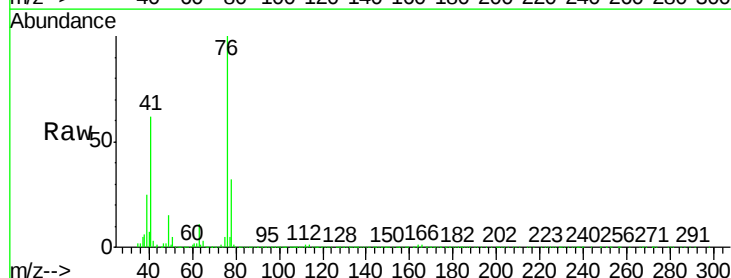
RT: 9.36 min Scan# 1390

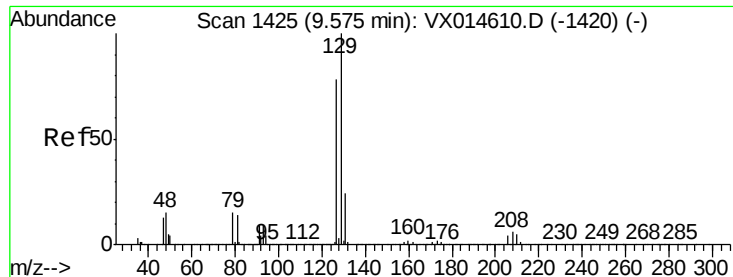
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	76	Resp:	184043
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.4





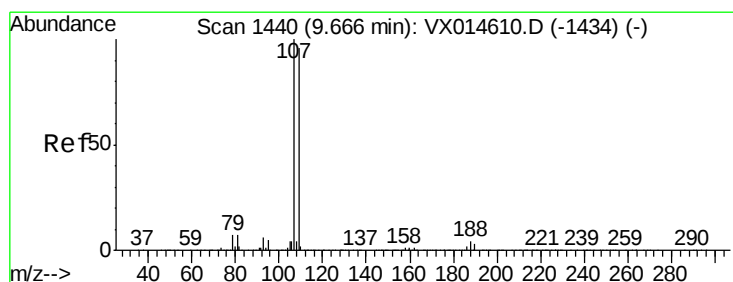
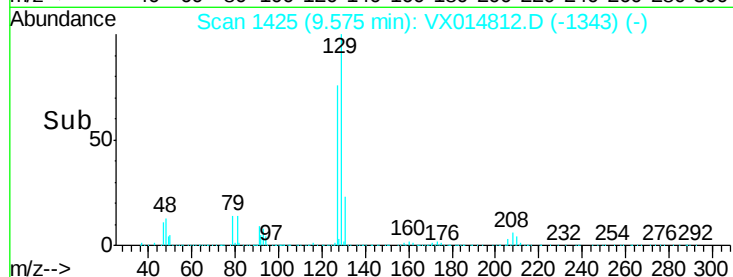
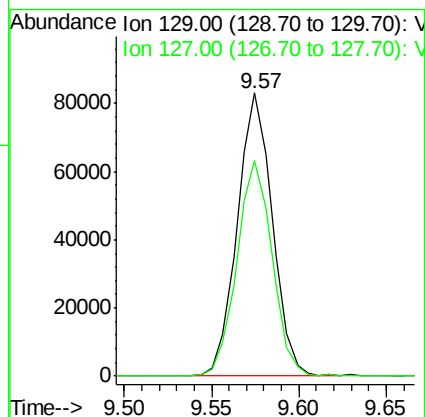
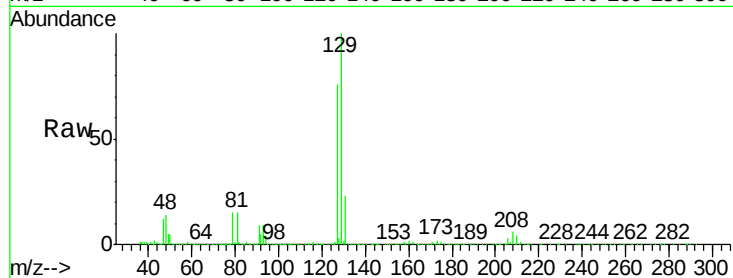
#53
Dibromochloromethane
Concen: 21.911 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.5

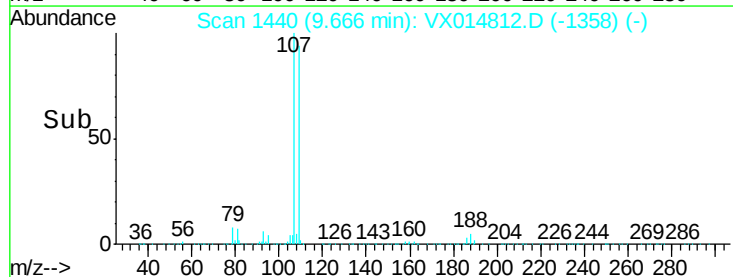
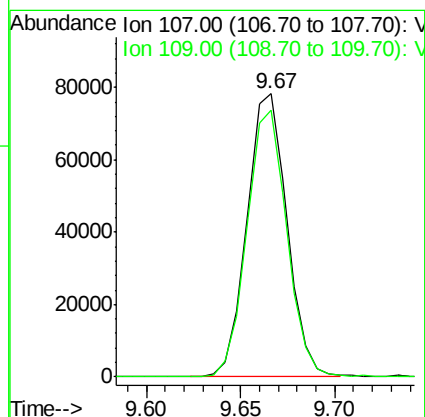
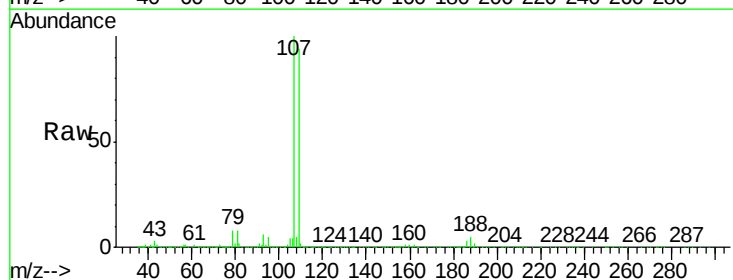
Manual Integrations
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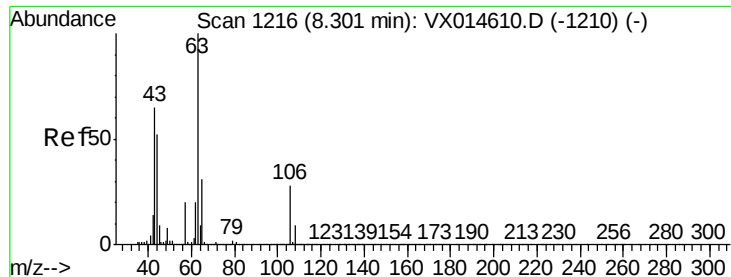
MMDadoda
2/6/2020 1:32:26 PM



#54
1,2-Dibromoethane
Concen: 21.446 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	77.2	115.8





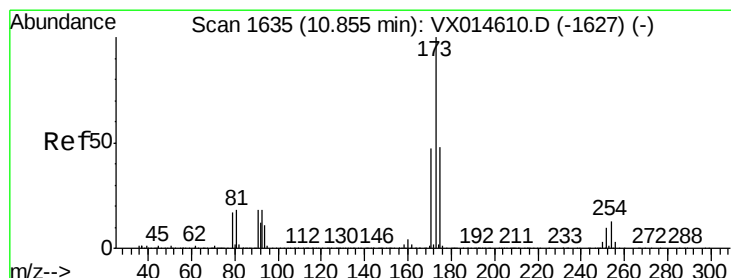
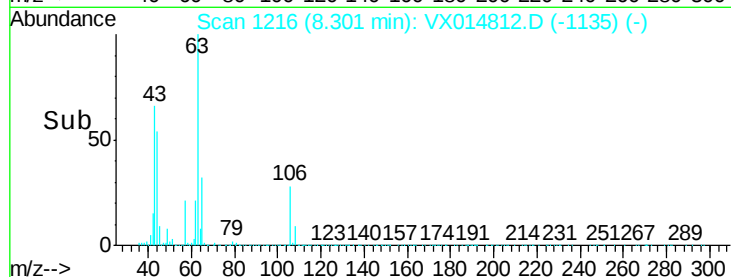
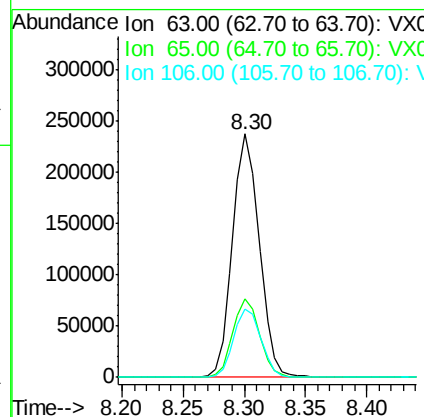
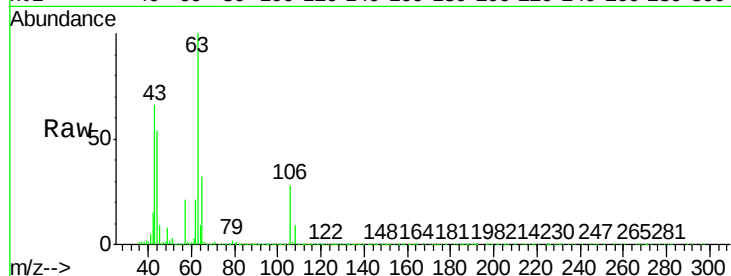
#55
2-Chloroethyl vinyl ether
Concen: 97.372 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	28.6	22.9	34.3

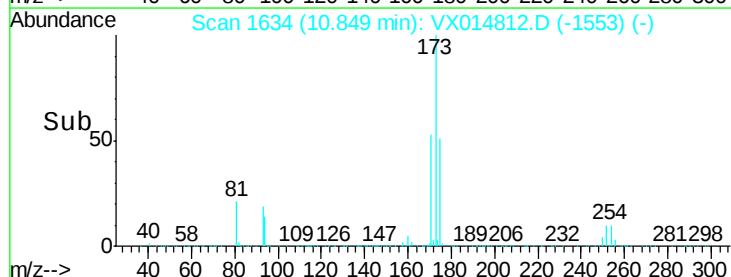
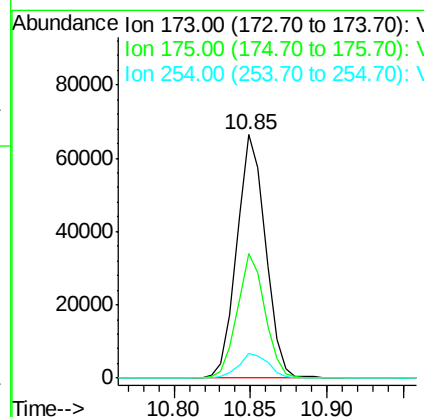
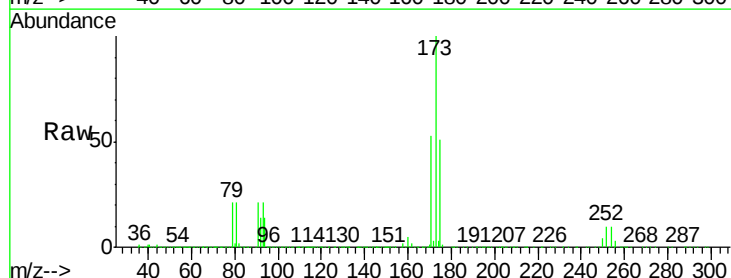
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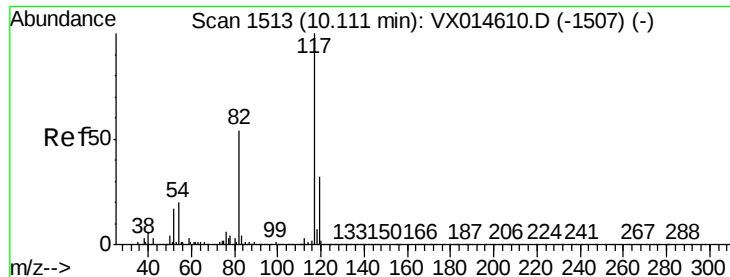
MMDadoda
2/6/2020 1:32:26 PM



#56
Bromoform
Concen: 21.262 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.5	59.3
254	10.6	8.2	12.4





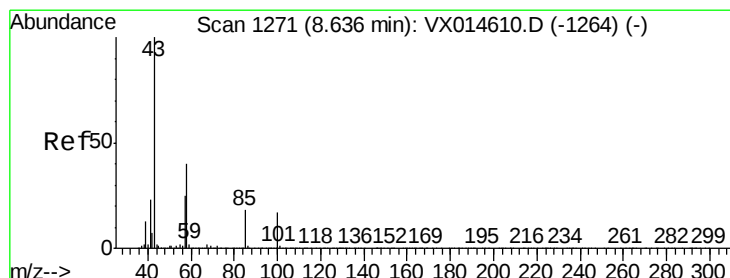
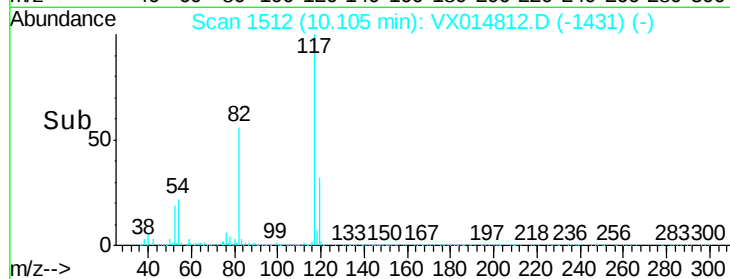
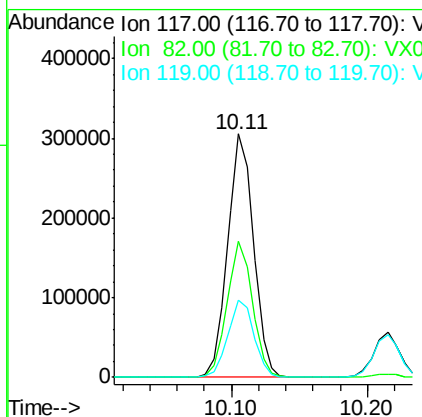
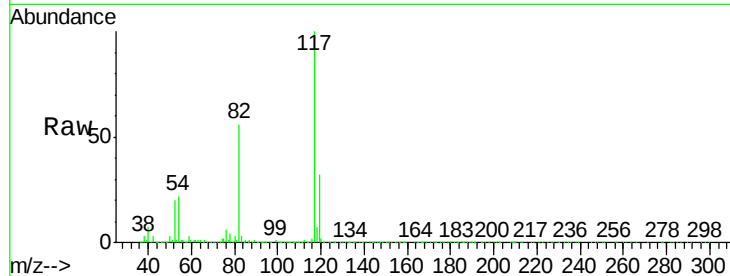
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.5	43.8	65.6
119	32.0	25.8	38.6

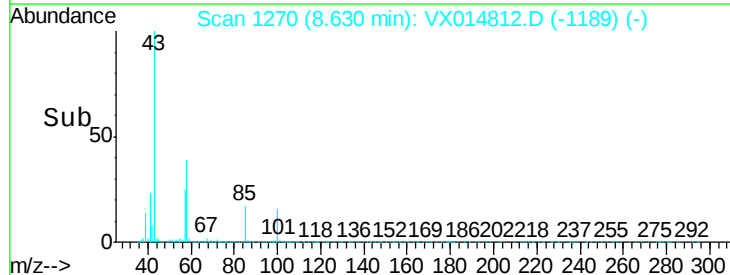
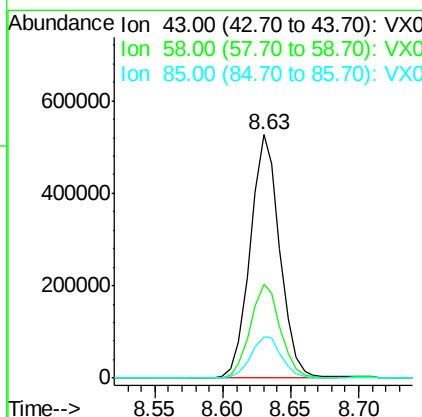
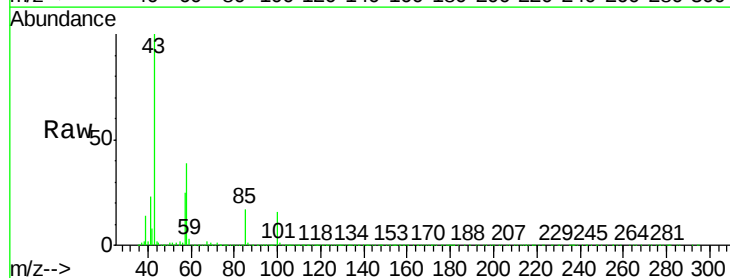
Manual Integrations
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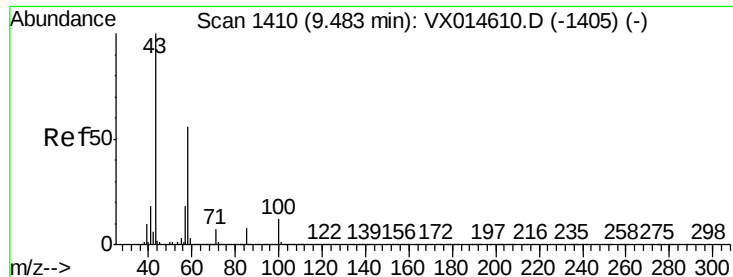
MMDadoda
2/6/2020 1:32:26 PM



#58
4-Methyl-2-Pentanone
Concen: 105.649 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	39.1	31.2	46.8
85	17.6	14.2	21.2





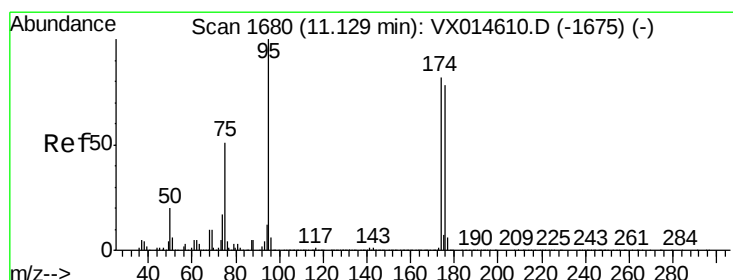
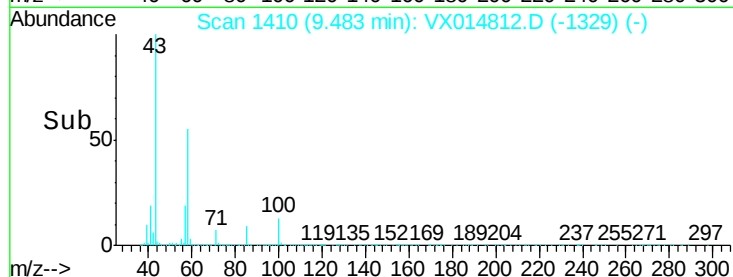
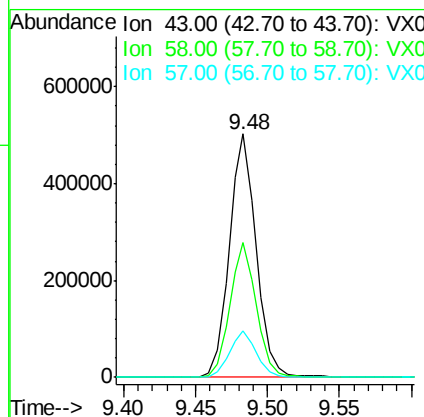
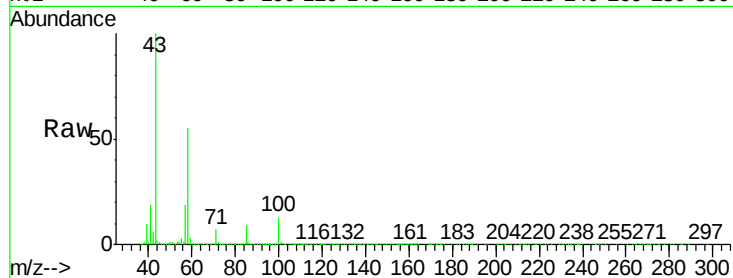
#59
2-Hexanone
Concen: 111.853 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.8	65.6
57	19.0	15.4	23.0

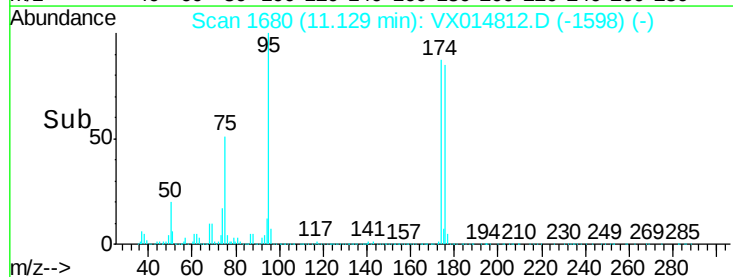
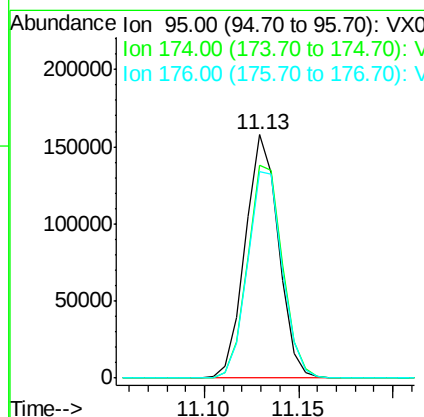
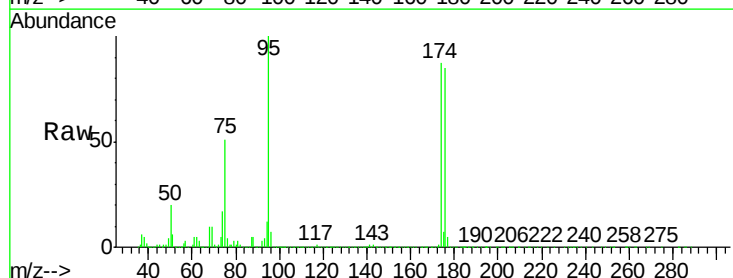
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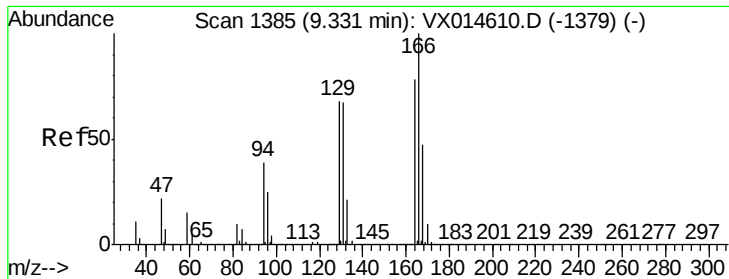
MMDadoda
2/6/2020 1:32:26 PM



#60
4-Bromofluorobenzene
Concen: 29.793 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	70.2	105.2
176	89.4	68.3	102.5





#61

Tetrachloroethene

Concen: 21.534 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

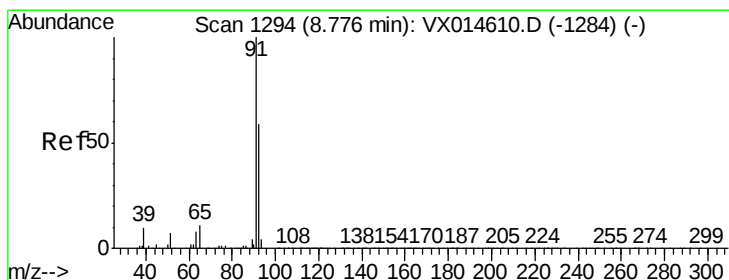
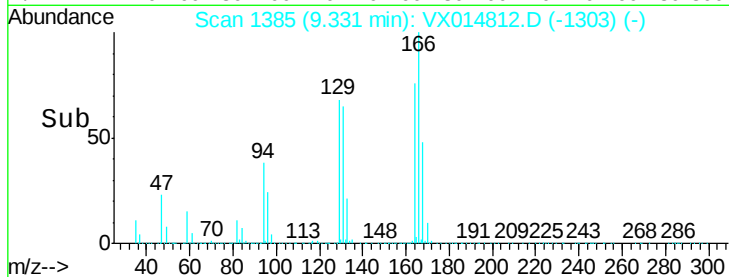
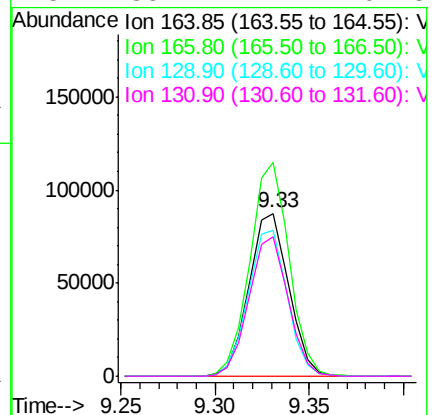
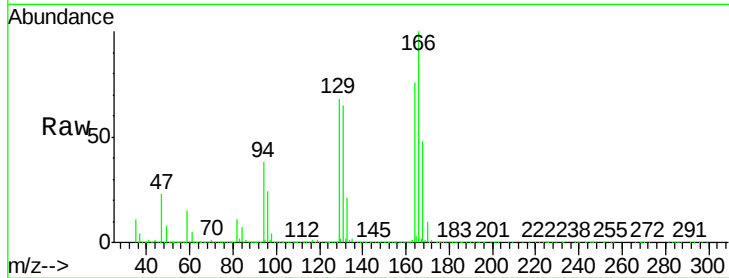
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	128540
Ion Ratio	Lower	Upper	
164	100		
166	130.9	104.2	156.2
129	89.2	71.6	107.4
131	85.4	71.7	107.5

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#62

Toluene

Concen: 21.334 ug/l

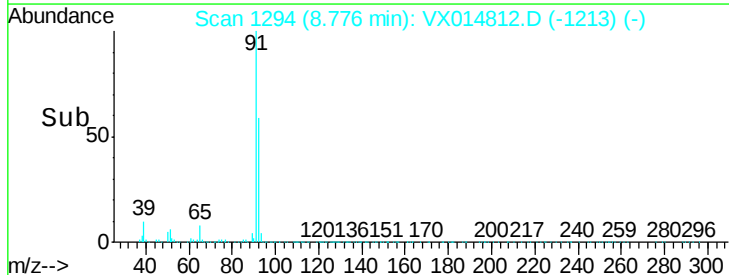
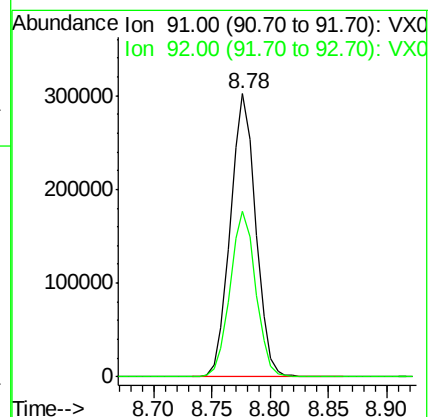
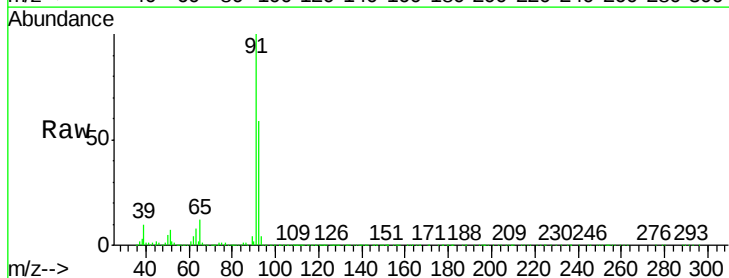
RT: 8.78 min Scan# 1294

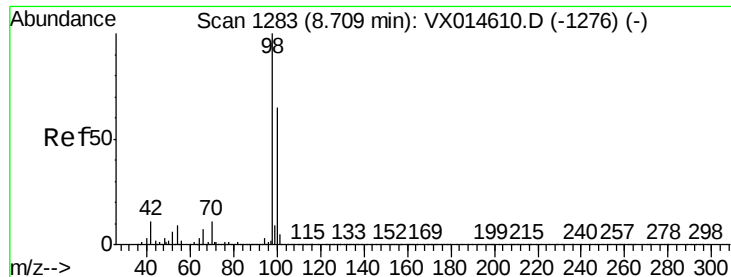
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	91	Resp:	457093
Ion Ratio	Lower	Upper	
91	100		
92	59.0	46.4	69.6





#63

Toluene-d8

Concen: 30.153 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 550028

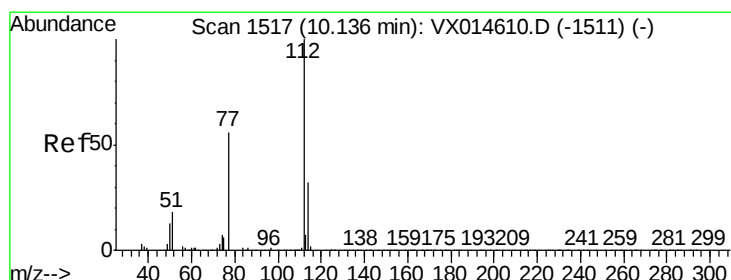
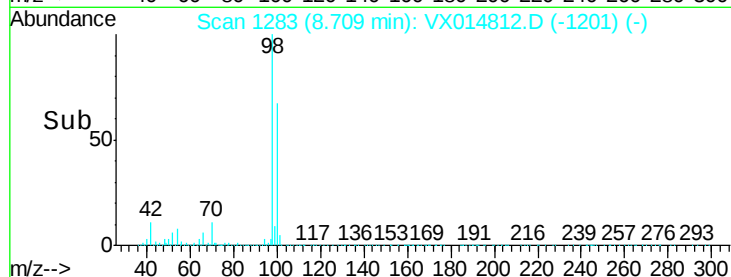
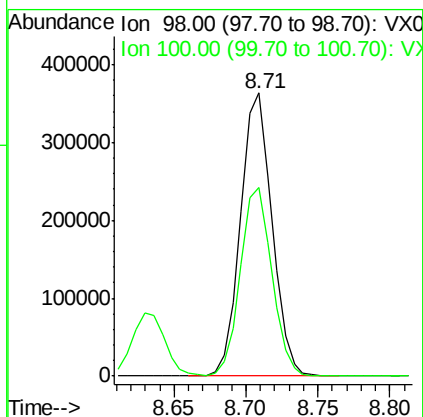
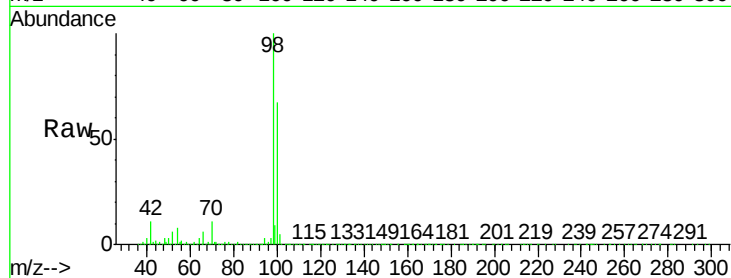
Ion Ratio Lower Upper

98 100

100 66.7 52.2 78.2

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#64

Chlorobenzene

Concen: 21.573 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014812.D

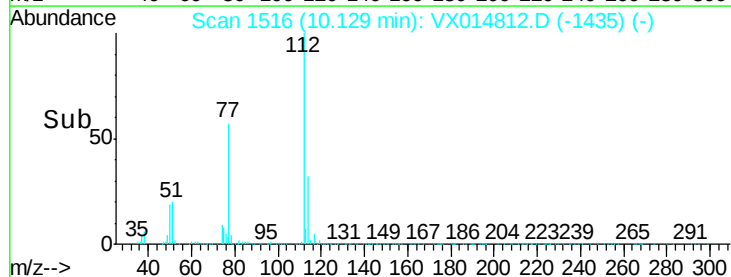
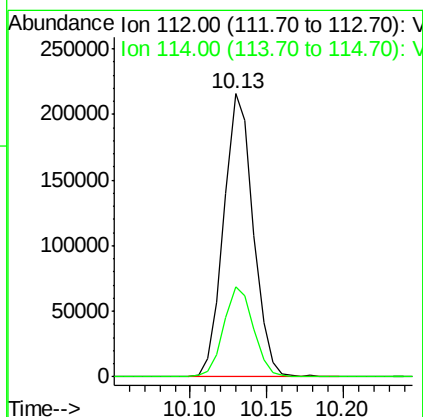
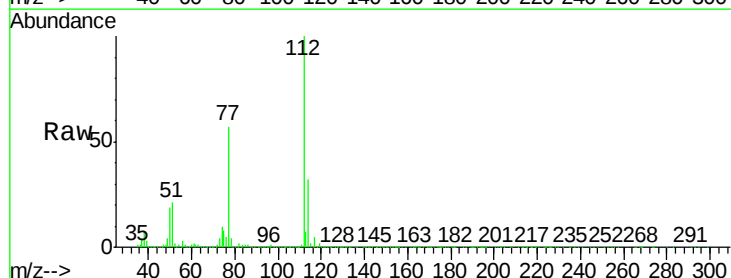
Acq: 05 Feb 2020 10:35

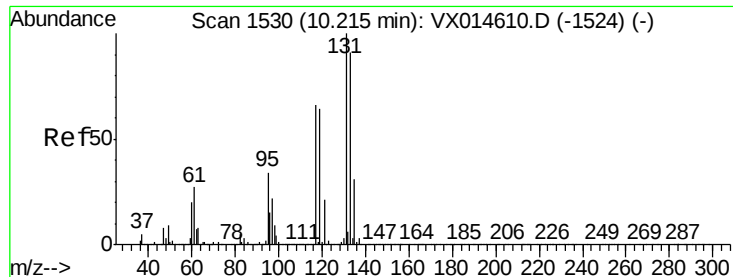
Tgt Ion: 112 Resp: 288546

Ion Ratio Lower Upper

112 100

114 31.6 24.4 36.6





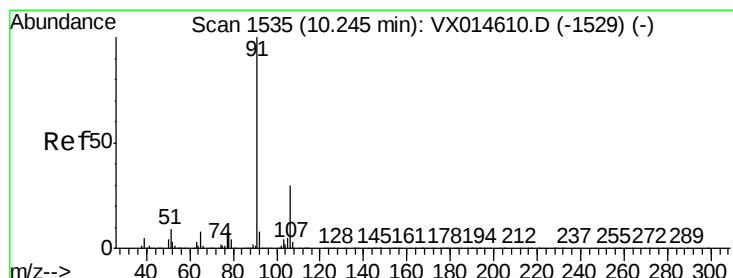
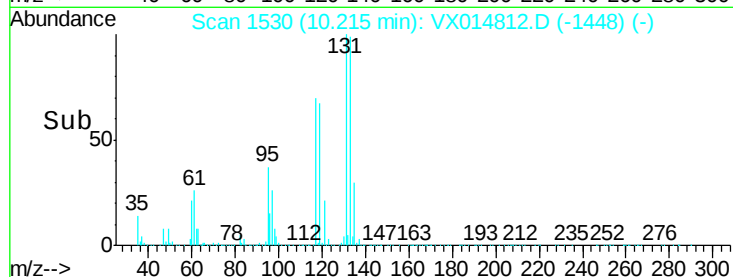
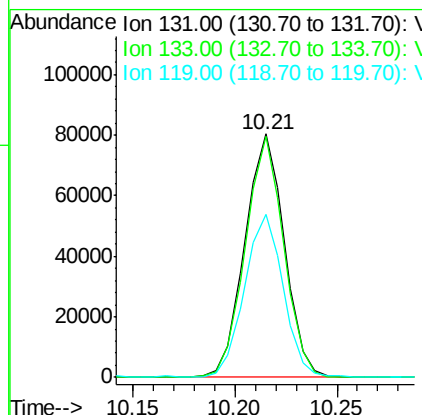
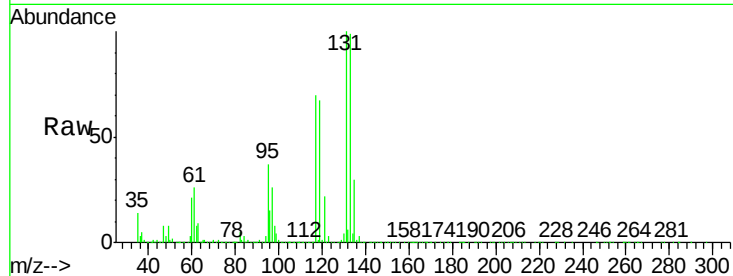
#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.880 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	108085		
133	96.2	0.0	189.8	
119	65.4	0.0	132.2	

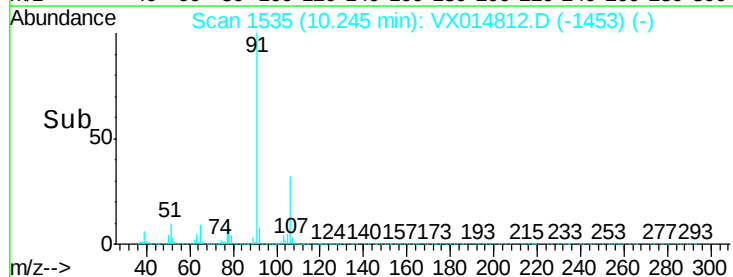
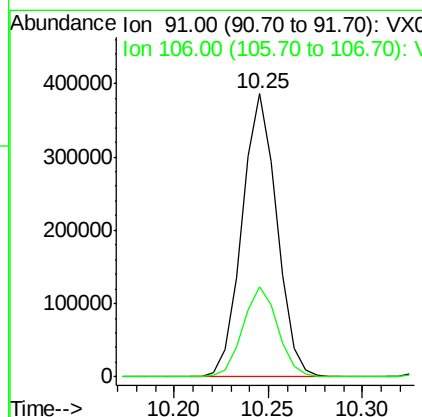
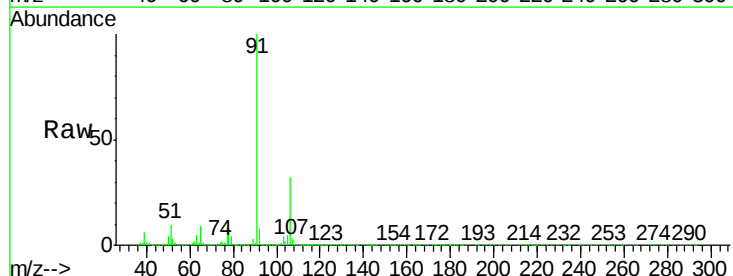
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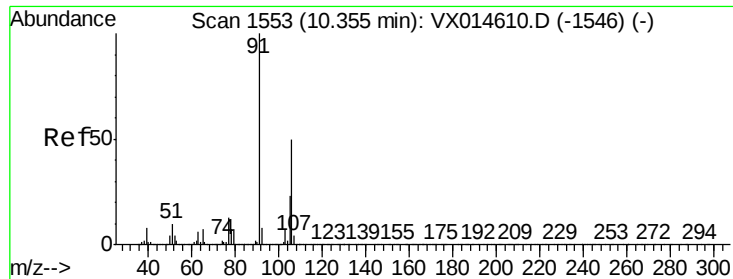
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#66
 Ethyl Benzene
 Concen: 21.152 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	493629		
106	31.8	24.2	36.2	





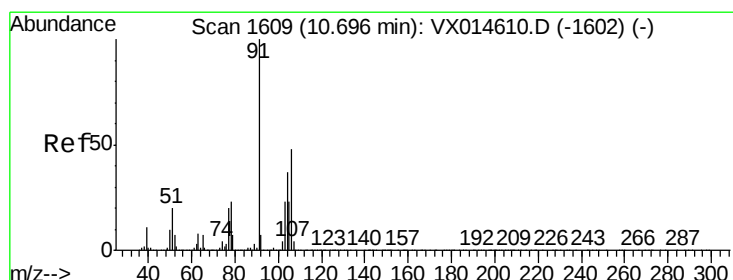
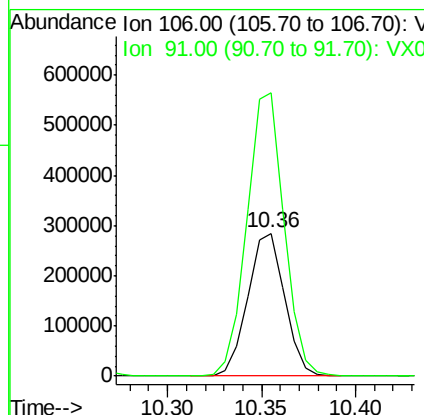
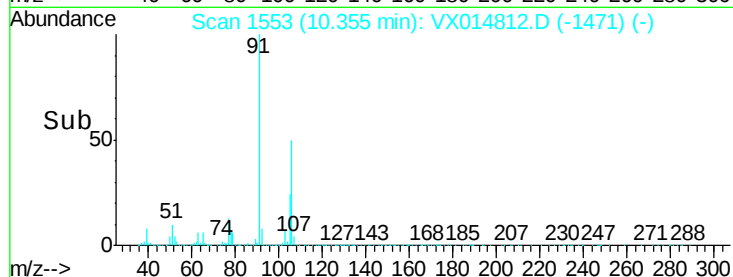
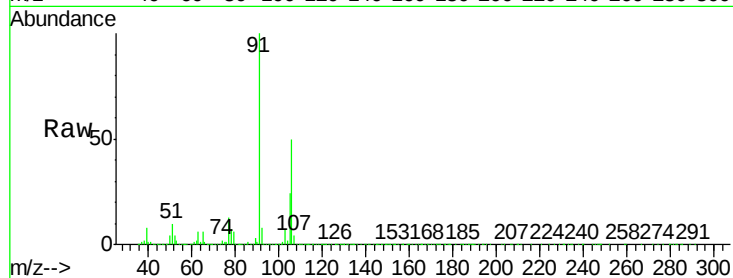
#67
m/p-Xylenes
Concen: 43.200 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.3	238.9

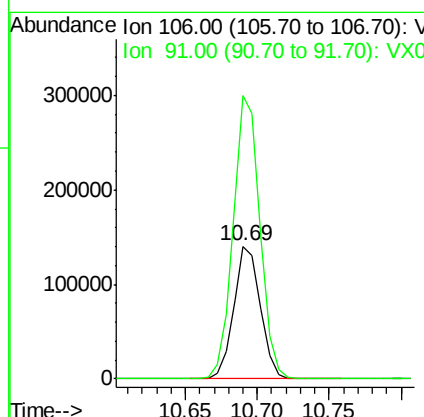
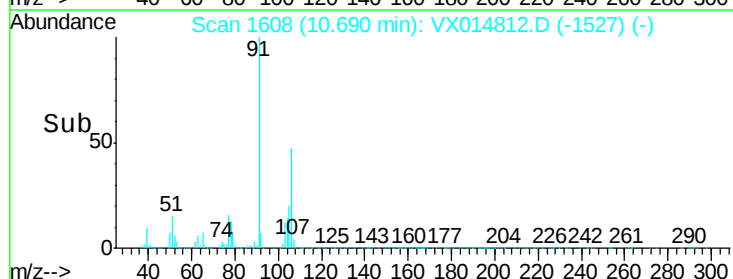
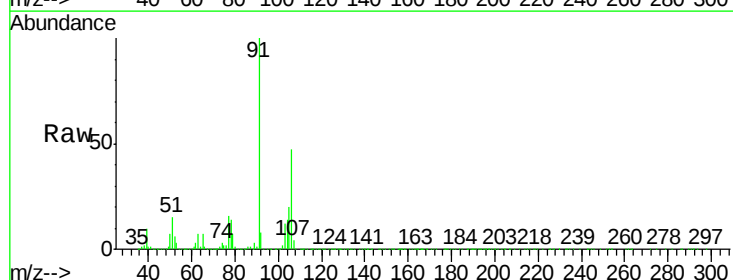
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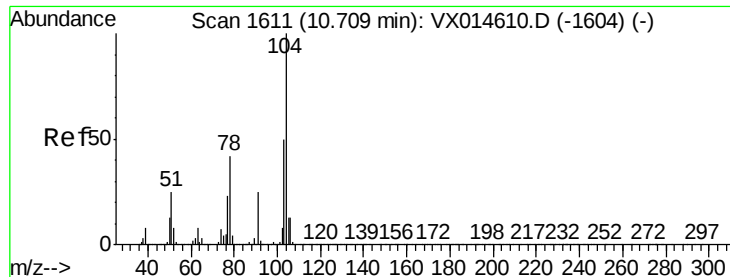
MMDadoda
2/6/2020 1:32:26 PM



#68
o-Xylene
Concen: 20.890 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.4	104.8	314.6





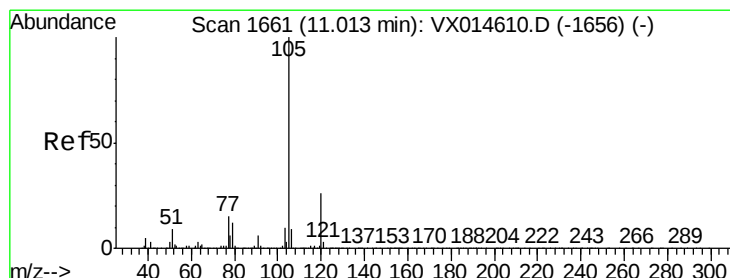
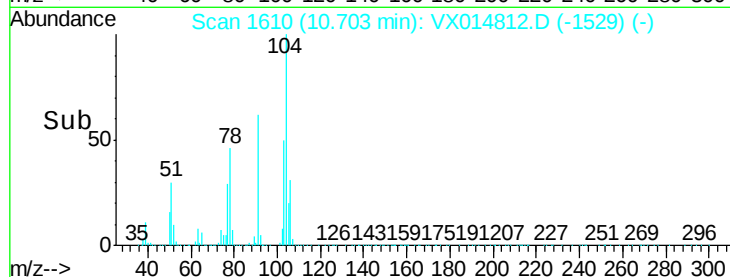
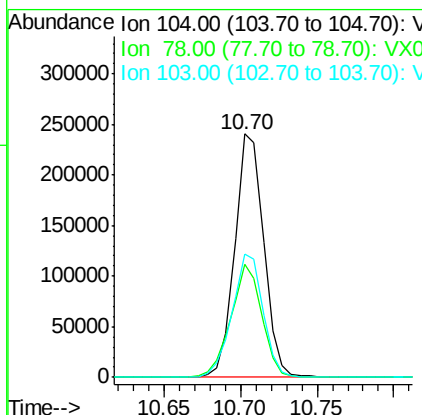
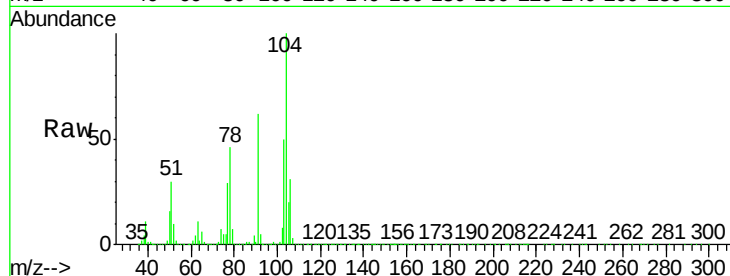
#69
Stvrene
Concen: 21.377 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	315282		
78	49.4	38.9	58.3	
103	54.2	44.2	66.2	

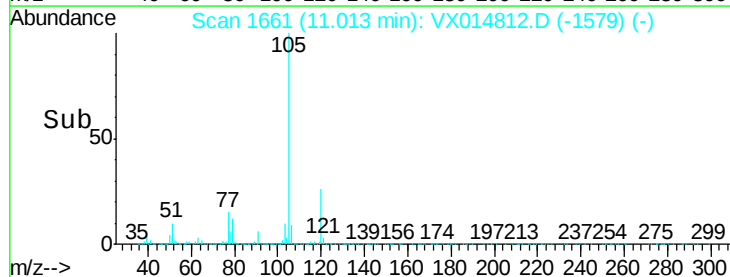
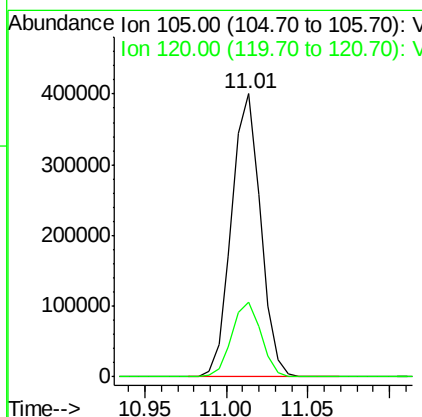
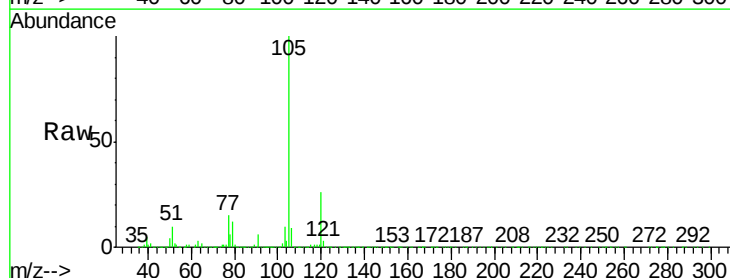
Manual Integrations
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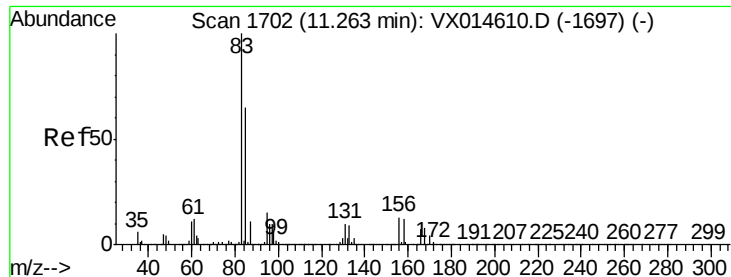
MMDadoda
2/6/2020 1:32:26 PM



#70
Isopropylbenzene
Concen: 21.744 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	495872		
120	26.5	19.1	35.5	





#71

1,1,2,2-Tetrachloroethane

Concen: 20.728 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

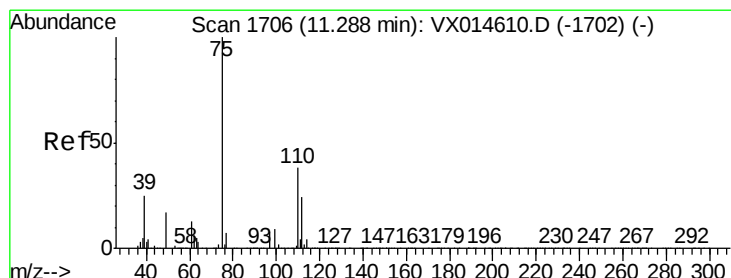
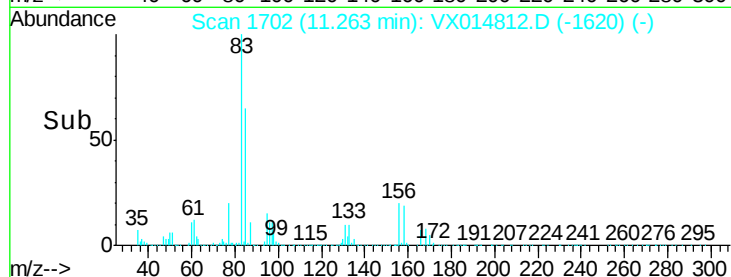
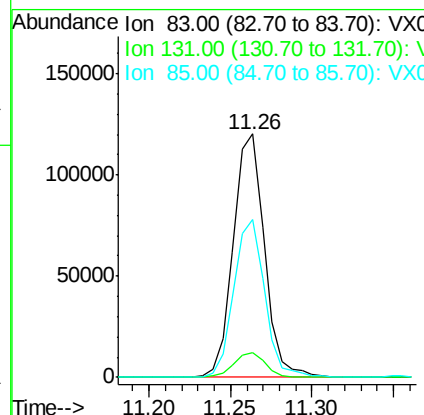
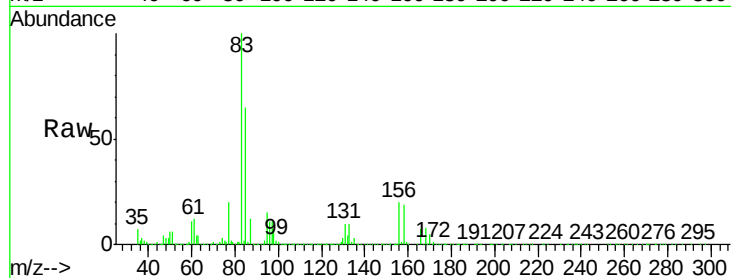
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	159225
Ion Ratio		Lower	Upper
83	100		
131	10.5	4.9	14.7
85	64.3	31.6	94.7

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 21.780 ug/l m

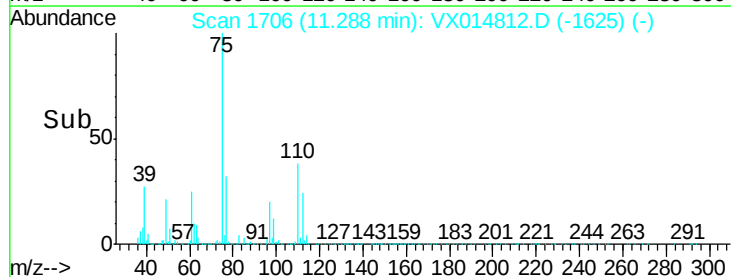
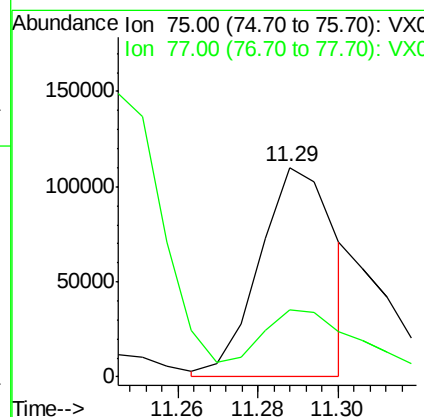
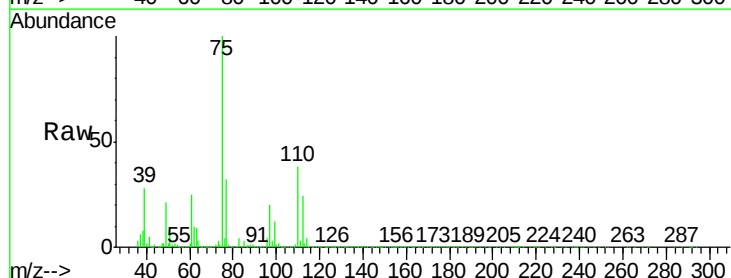
RT: 11.29 min Scan# 1706

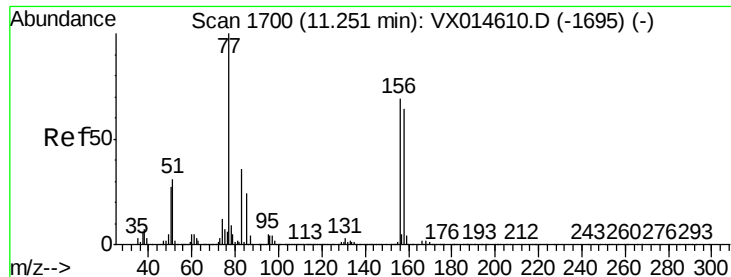
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	75	Resp:	143114
Ion Ratio		Lower	Upper
75	100		
77	41.4	0.0	68.4





#73

Bromobenzene

Concen: 21.598 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

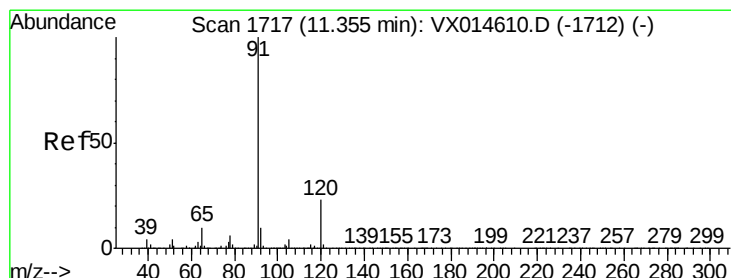
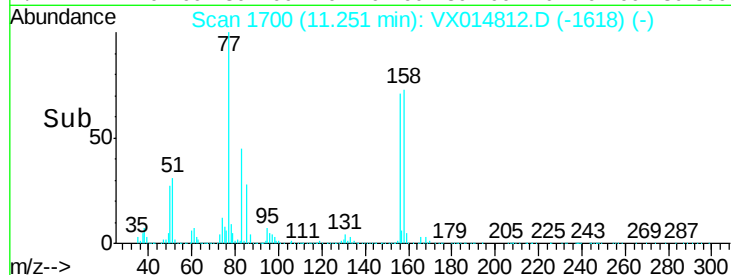
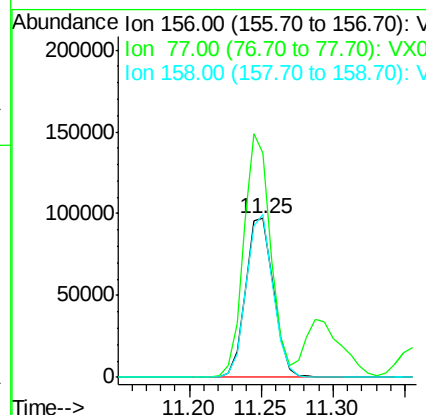
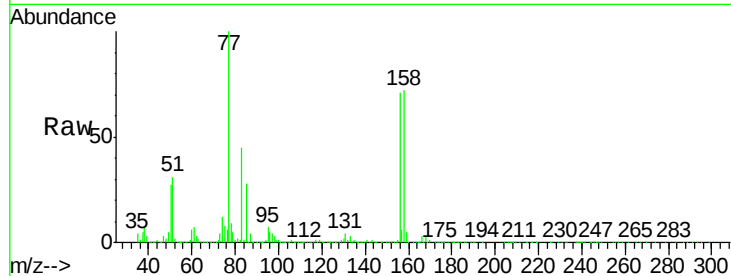
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	130561
Ion Ratio	Lower	Upper	
156	100		
77	146.7	0.0	304.6
158	98.1	0.0	195.2

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#74

n-propylbenzene

Concen: 21.886 ug/l

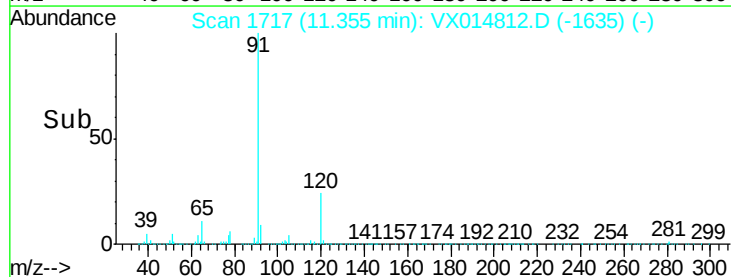
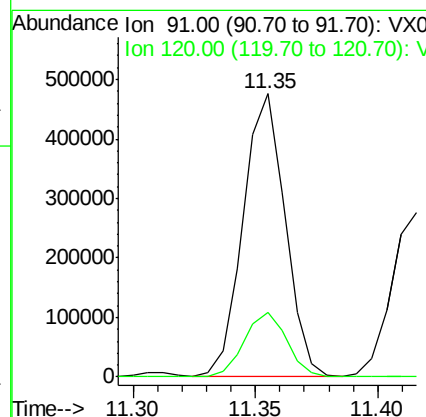
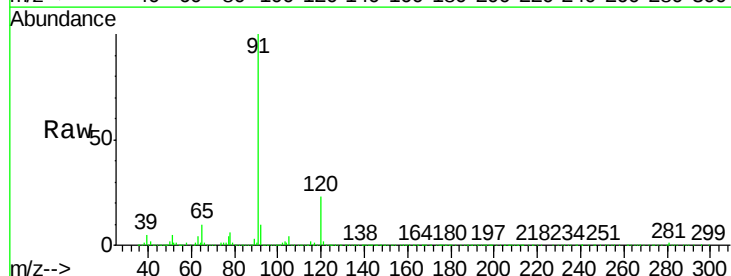
RT: 11.35 min Scan# 1717

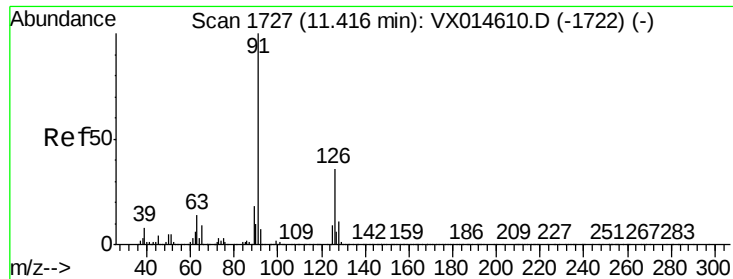
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	91	Resp:	570323
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.8





#75

2-Chlorotoluene

Concen: 21.637 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 337921

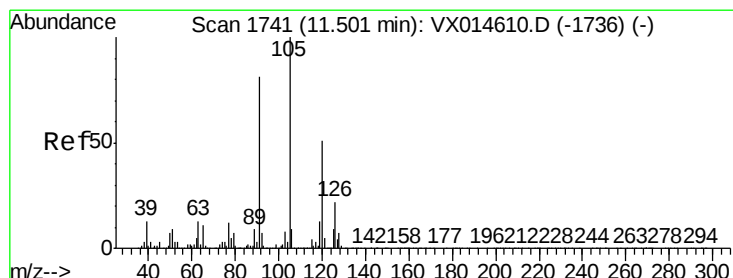
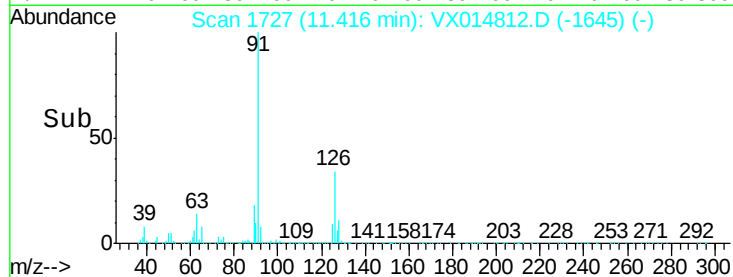
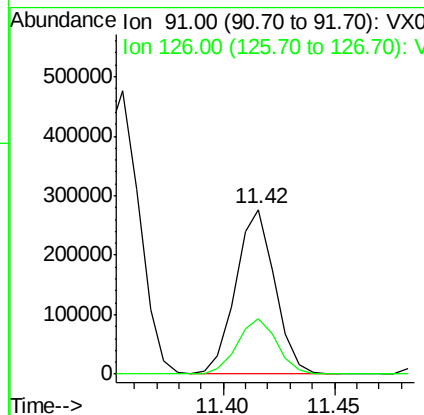
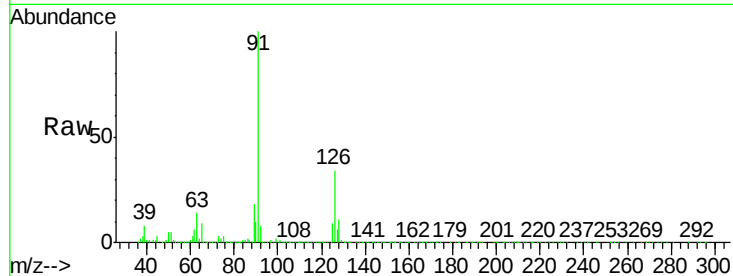
Ion Ratio Lower Upper

91 100

126 34.3 0.0 70.8

Manual Integrations
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2/6/2020 1:32:26 PM



#76

1,3,5-Trimethylbenzene

Concen: 21.589 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014812.D

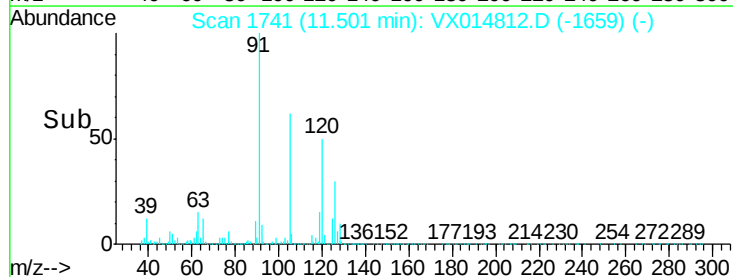
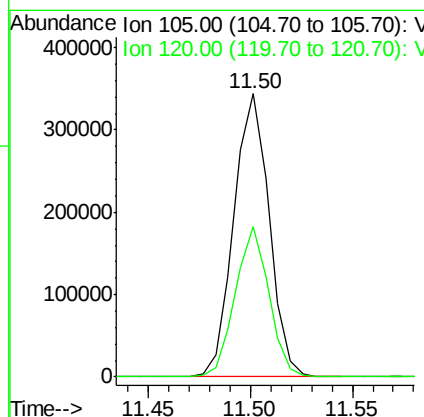
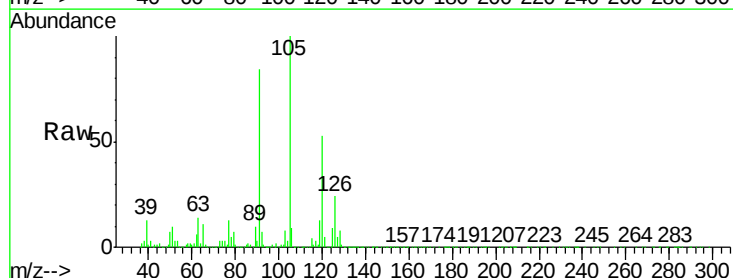
Acq: 05 Feb 2020 10:35

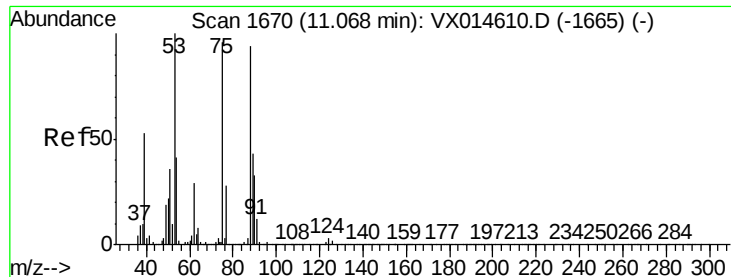
Tgt Ion: 105 Resp: 410234

Ion Ratio Lower Upper

105 100

120 50.5 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.003 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

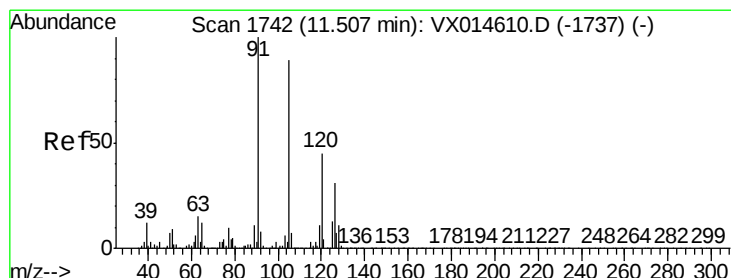
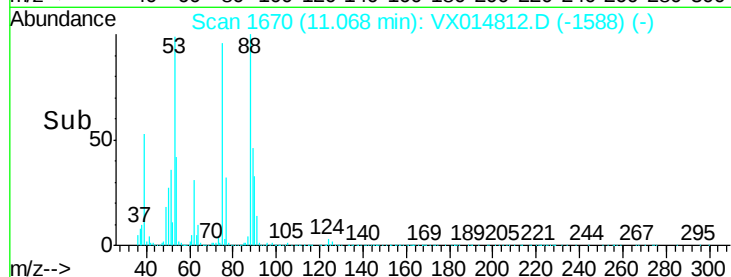
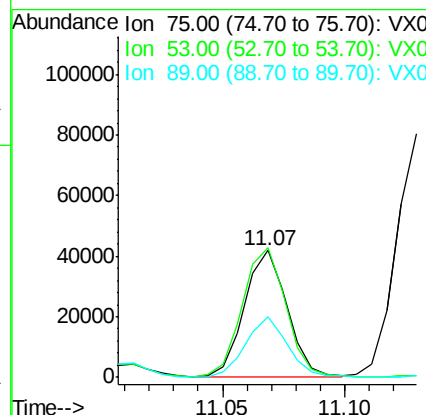
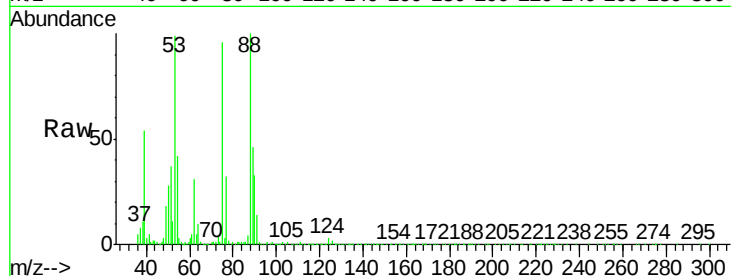
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	50586
Ion Ratio	Lower	Upper	
75	100		
53	102.6	54.4	163.1
89	48.0	21.9	65.5

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#78

4-Chlorotoluene

Concen: 21.469 ug/l

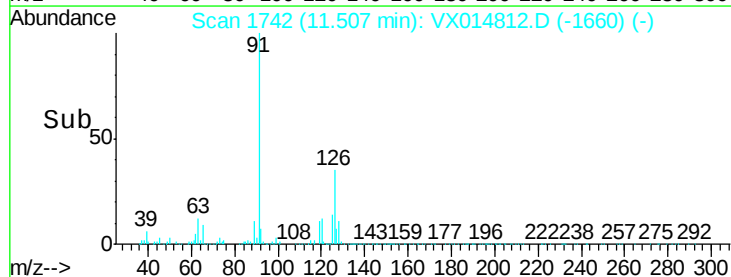
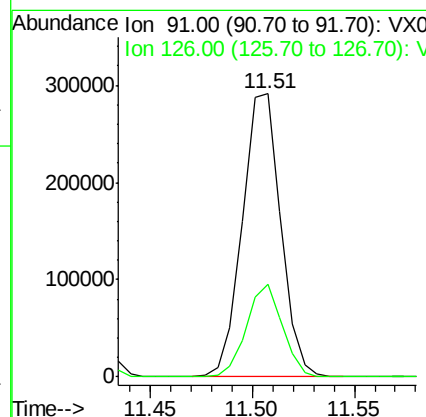
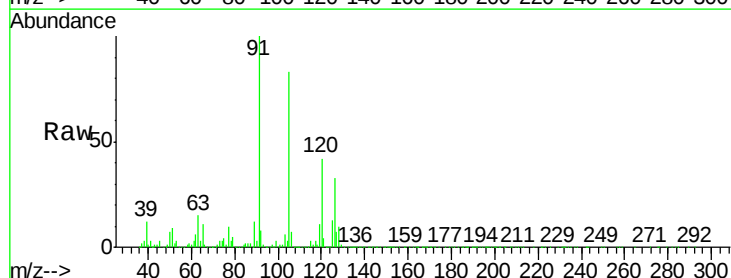
RT: 11.51 min Scan# 1742

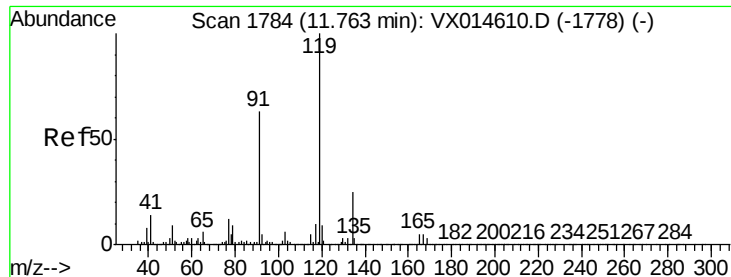
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	91	Resp:	380792
Ion Ratio	Lower	Upper	
91	100		
126	30.6	0.0	59.6





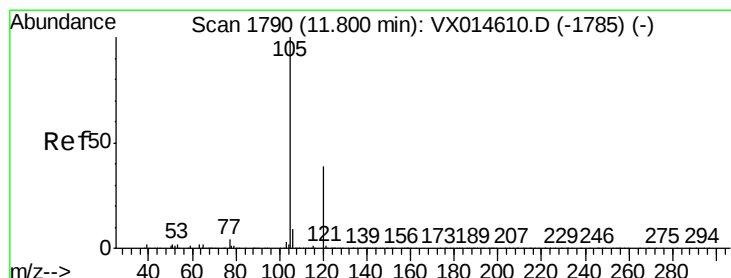
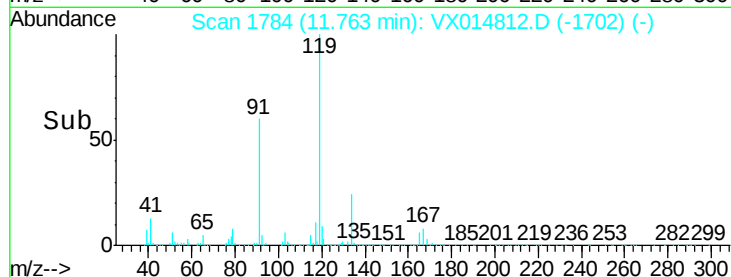
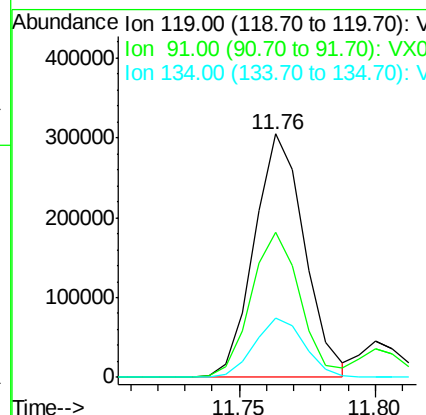
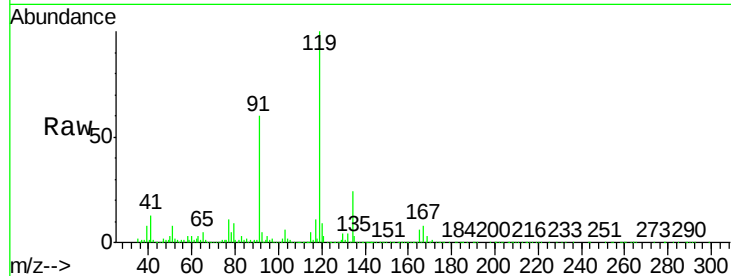
#79
tert-butylbenzene
Concen: 21.992 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	391028		
91	58.2	0.0	112.6	
134	24.0	0.0	49.8	

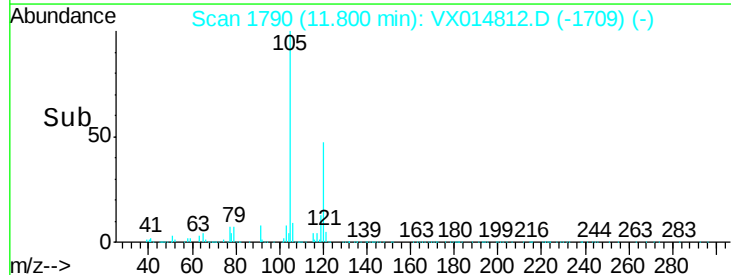
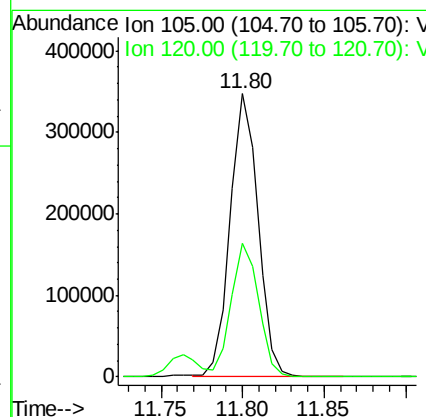
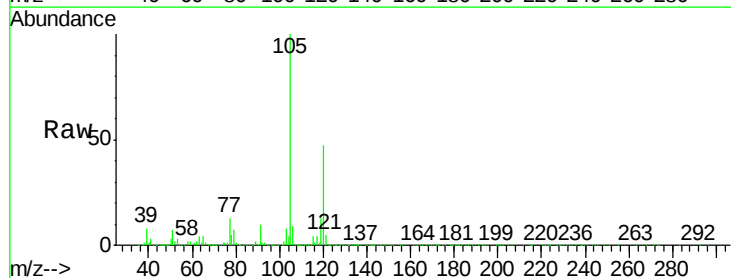
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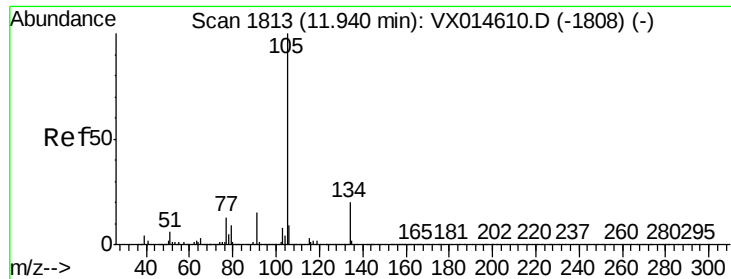
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#80
1,2,4-Trimethylbenzene
Concen: 21.788 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	412939		
120	46.3	0.0	92.0	





#81

sec-Butylbenzene

Concen: 21.747 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 478465

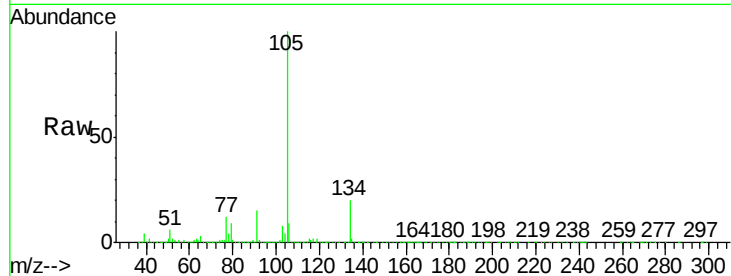
Ion Ratio Lower Upper

105 100

134 20.7 0.0 40.2

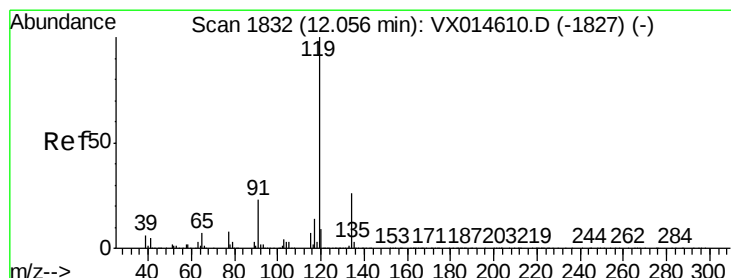
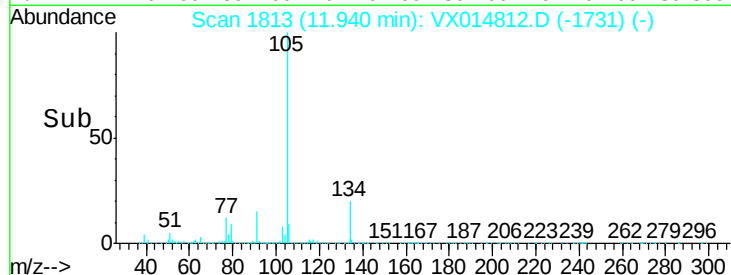
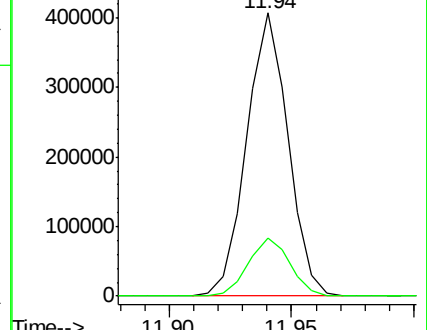
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.842 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

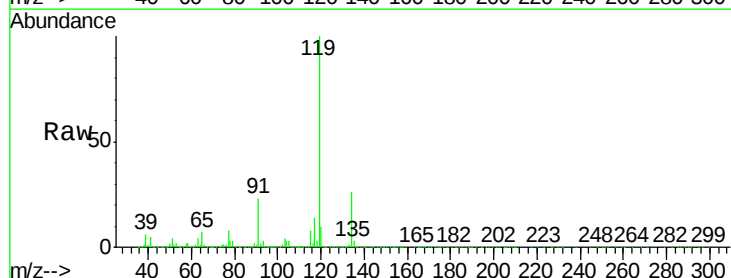
Tgt Ion:119 Resp: 438708

Ion Ratio Lower Upper

119 100

134 26.3 0.0 53.8

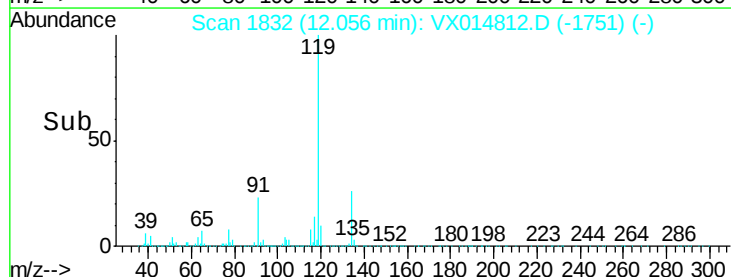
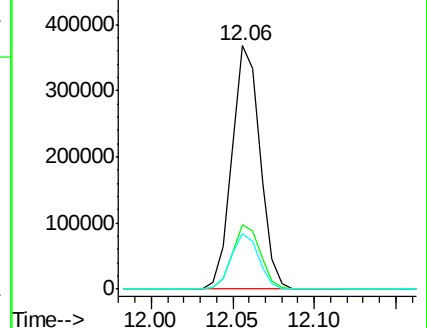
91 22.5 0.0 45.0

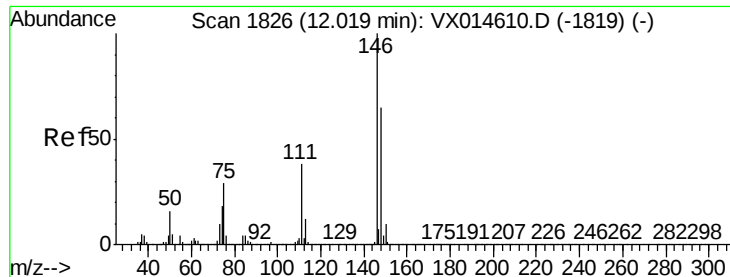


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 21.896 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

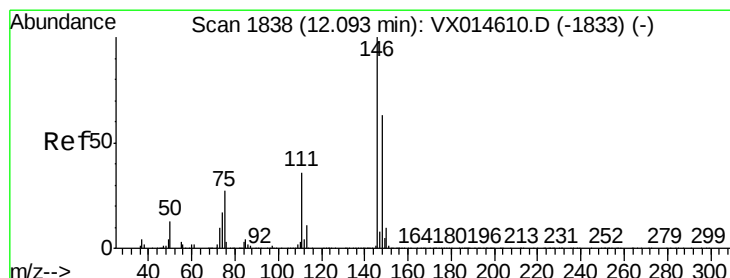
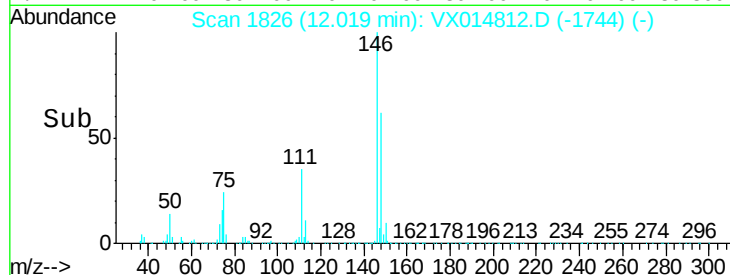
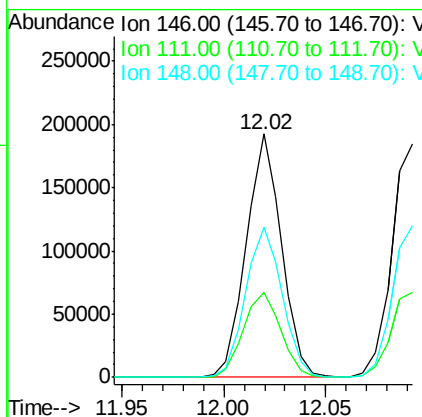
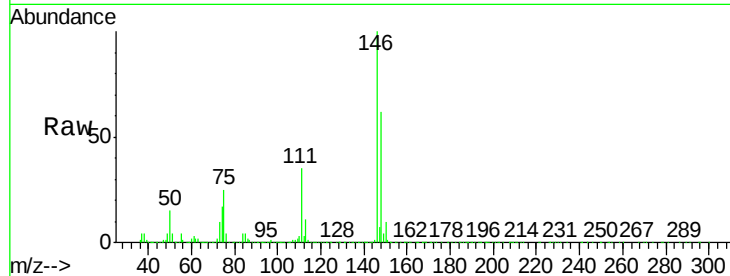
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.3	57.9
148	63.9	32.2	96.6

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 21.738 ug/l

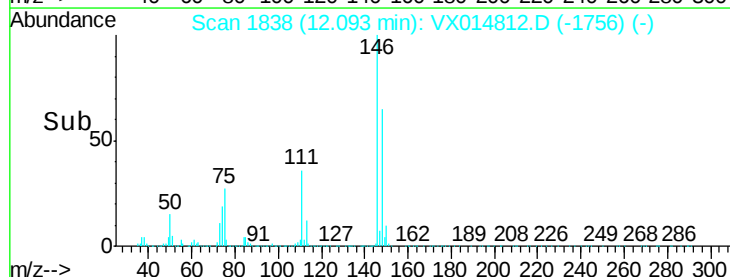
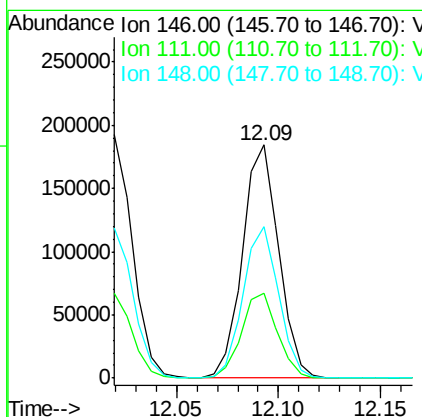
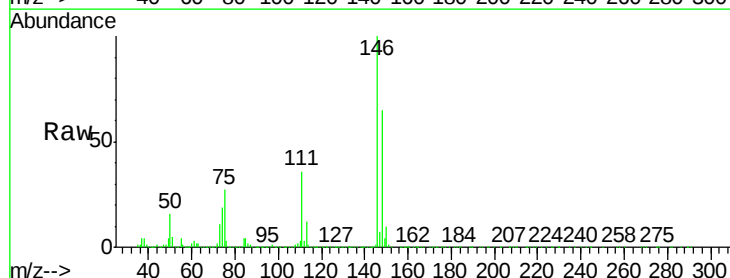
RT: 12.09 min Scan# 1838

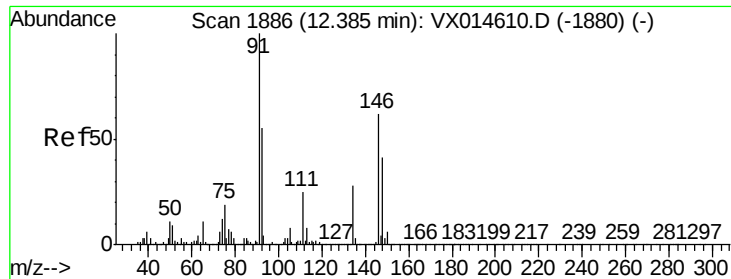
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.4
148	63.6	32.0	96.0





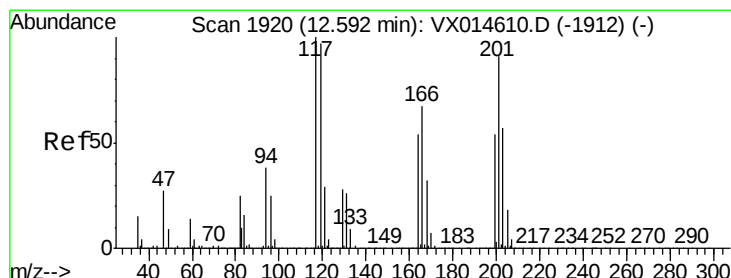
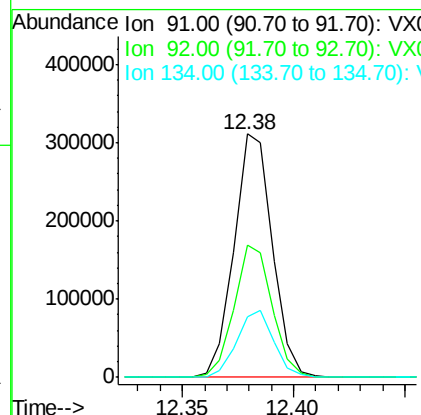
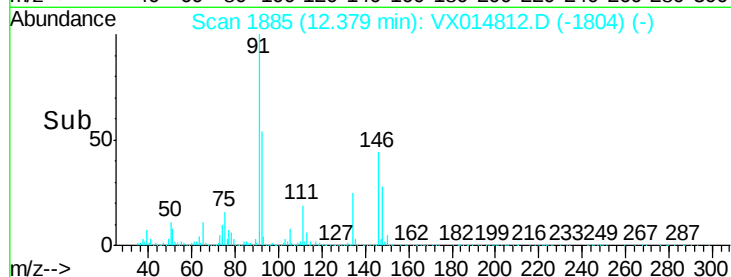
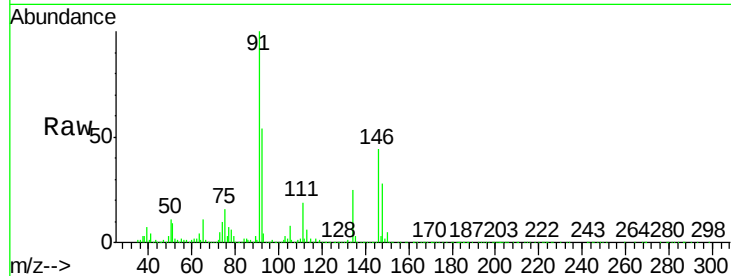
#85
n-Butylbenzene
Concen: 21.185 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	372291		
92	53.7	0.0	109.0	
134	26.5	0.0	54.0	

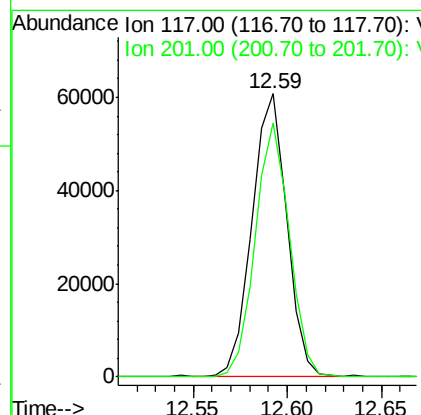
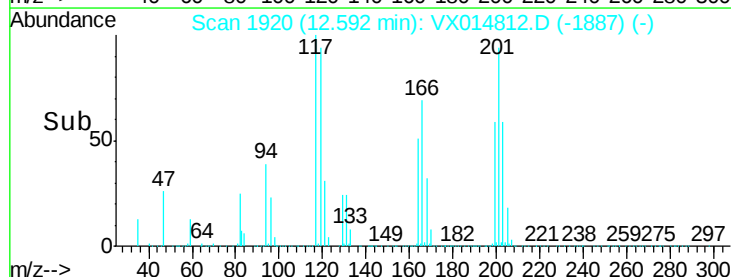
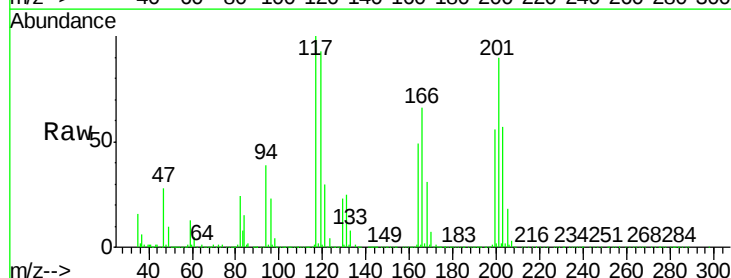
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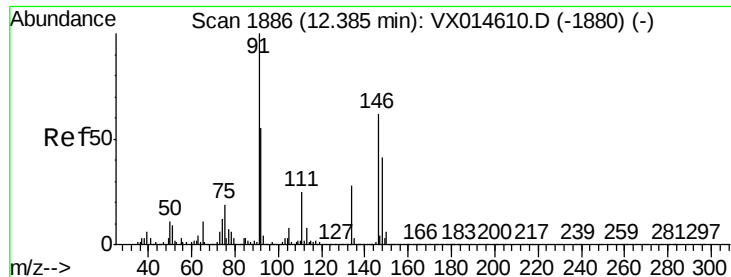
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#86
Hexachloroethane
Concen: 21.449 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	77256		
201	88.7	44.8	134.3	





#87

1,2-Dichlorobenzene

Concen: 21.555 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014812.D

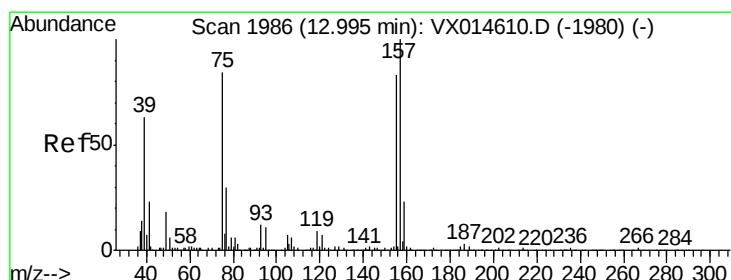
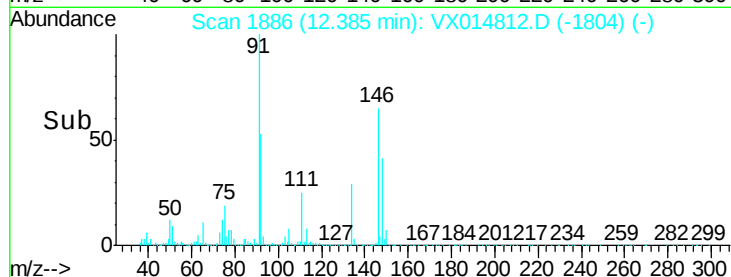
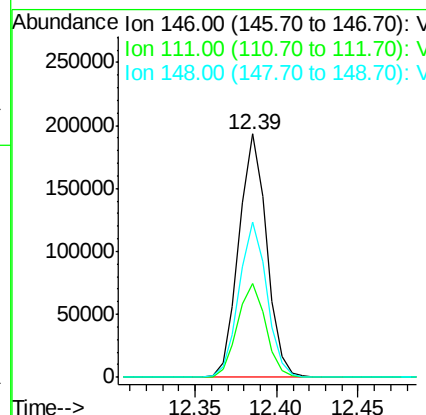
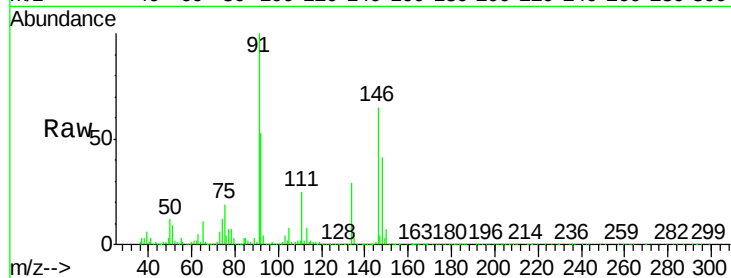
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229564		
111	39.0	20.1	60.2	
148	63.8	32.0	96.2	

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.710 ug/l

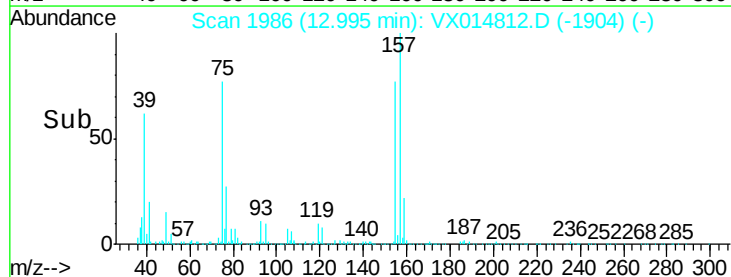
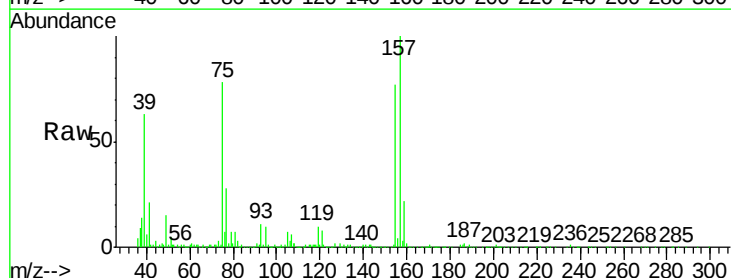
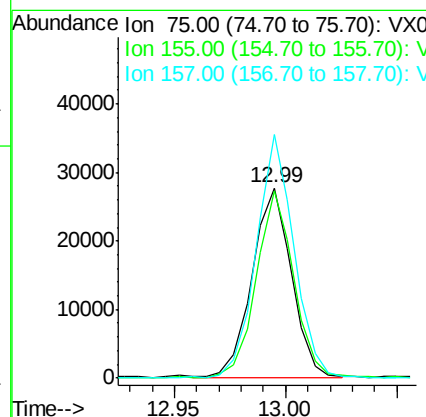
RT: 12.99 min Scan# 1986

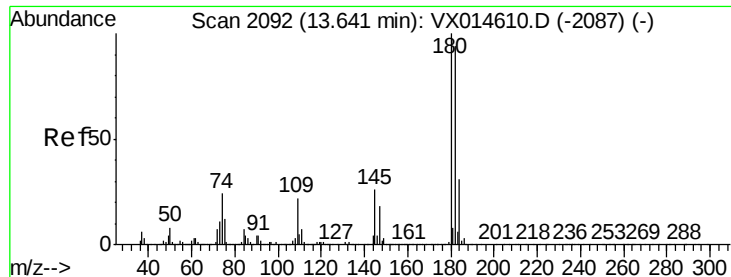
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33983		
155	94.9	73.8	110.6	
157	122.7	95.0	142.4	





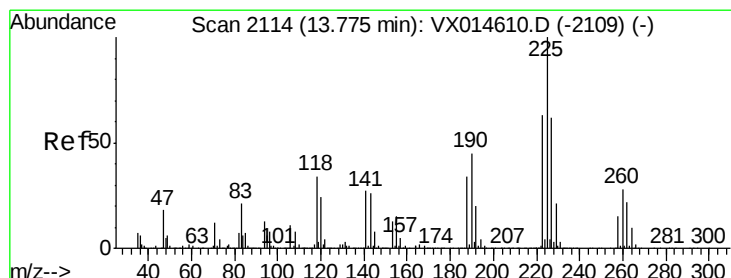
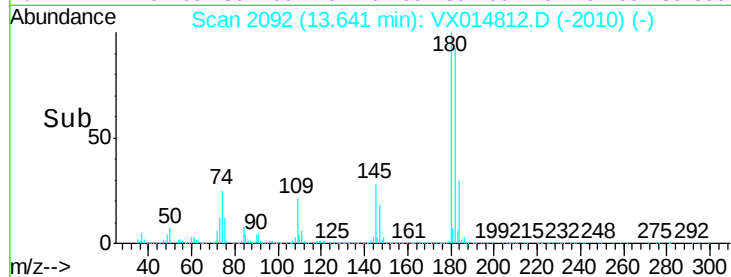
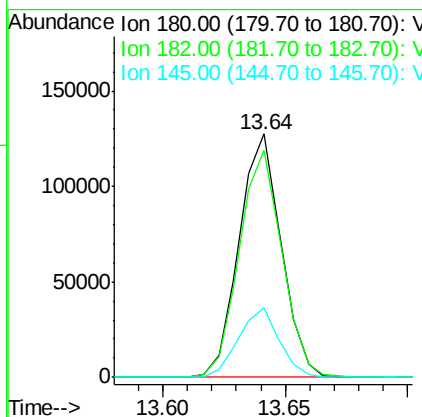
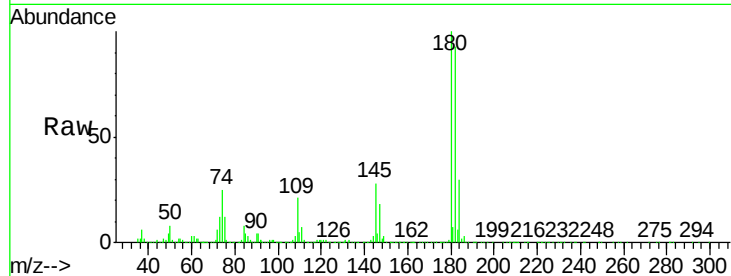
#89
 1,2,4-Trichlorobenzene
 Concen: 21.624 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152016		
182	95.1	76.4	114.6	
145	27.7	21.9	32.9	

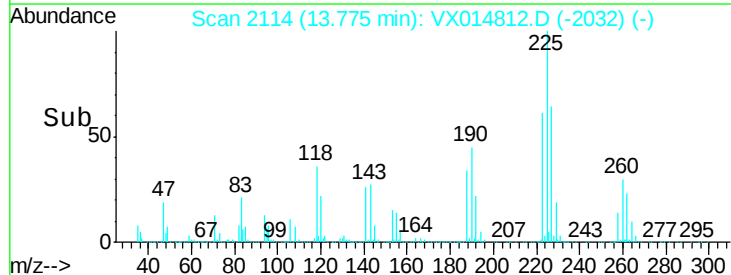
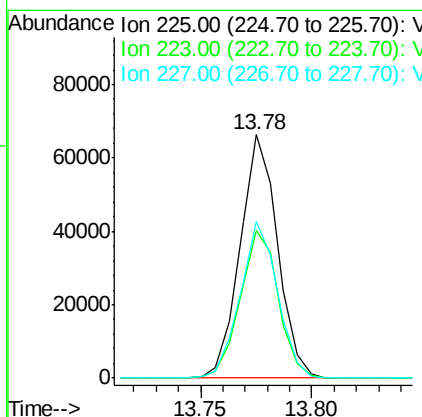
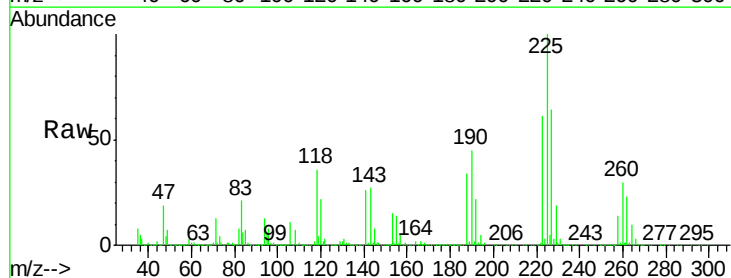
Manual Integrations
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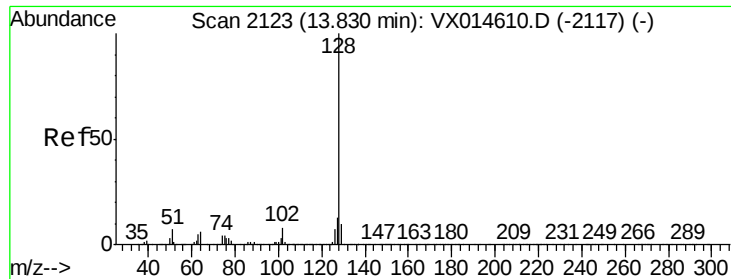
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#90
 Hexachlorobutadiene
 Concen: 22.140 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77771		
223	62.0	0.0	127.4	
227	64.0	0.0	122.8	





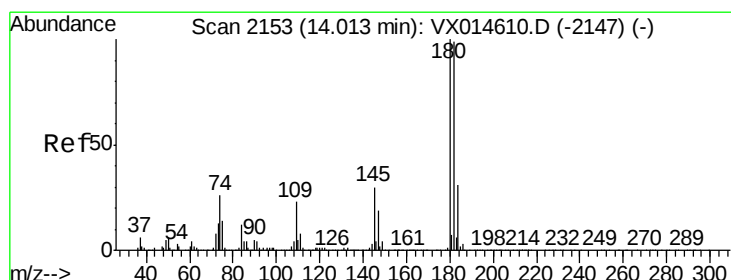
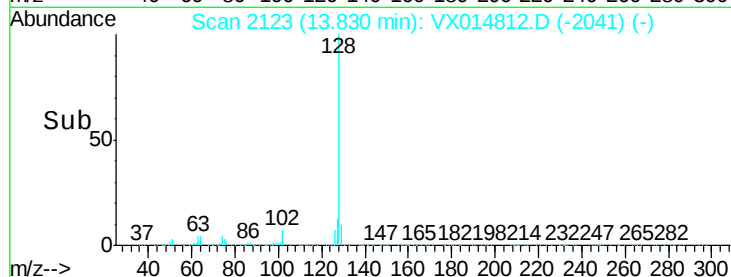
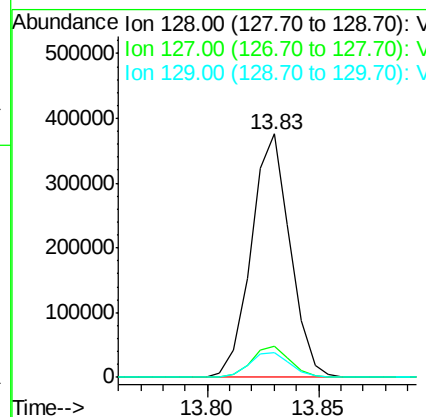
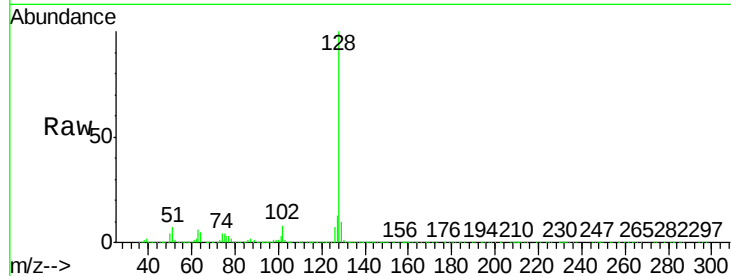
#91
Naphthalene
Concen: 21.492 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion:	128	Resp:	456056
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 21.656 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion:	180	Resp:	154960
Ion Ratio	Lower	Upper	
180	100		
182	96.7	0.0	192.8
145	30.0	0.0	60.0

