

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051319\
 Data File : VX009551.D
 Acq On : 13 May 2019 18:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 12:16:03 PM

Quant Time: May 14 04:52:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	159515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108853	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	5.50	113	81586	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	8.71	98	326340	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	120768	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65227	44.374	ug/l	98
3) Chloromethane	1.32	50	99914	49.786	ug/l	100
4) Vinyl Chloride	1.41	62	96054	49.084	ug/l	98
5) Bromomethane	1.64	94	58688	49.965	ug/l	94
6) Chloroethane	1.71	64	63272	50.358	ug/l	100
7) Trichlorofluoromethane	1.93	101	121832	51.216	ug/l	95
8) Diethyl Ether	2.19	74	56251	49.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75825	50.760	ug/l	99
10) Methyl Iodide	2.51	142	92945	53.225	ug/l	99
11) Tert butyl alcohol	3.05	59	118117	234.334	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75665	50.554	ug/l	95
13) Acrolein	2.29	56	112189	245.766	ug/l	99
14) Allyl chloride	2.73	41	179785	49.290	ug/l	99
15) Acrylonitrile	3.14	53	304379	246.971	ug/l	100
16) Acetone	2.45	43	283796	242.712	ug/l	98
17) Carbon Disulfide	2.57	76	212747	50.628	ug/l	99
18) Methyl Acetate	2.78	43	130784	47.032	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	293675	50.528	ug/l	99
20) Methylene Chloride	2.85	84	92099	48.647	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	82657	50.923	ug/l	98
22) Diisopropyl ether	3.85	45	354427	50.527	ug/l	96
23) Vinyl Acetate	3.81	43	1583130	263.563	ug/l	100
24) 1,1-Dichloroethane	3.70	63	172370	49.813	ug/l	99
25) 2-Butanone	4.67	43	454490	250.131	ug/l	100
26) 2,2-Dichloropropane	4.59	77	129083	50.116	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	98186	50.678	ug/l	99
28) Bromochloromethane	5.01	49	61298	43.658	ug/l	99
29) Tetrahydrofuran	5.13	42	296217	253.342	ug/l	99
30) Chloroform	5.21	83	159999	51.123	ug/l	100
31) Cyclohexane	5.58	56	164715	51.163	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131459	50.458	ug/l	99
36) 1,1-Dichloropropene	5.80	75	120872	51.052	ug/l	99
37) Ethyl Acetate	4.83	43	167995	50.927	ug/l	100
38) Carbon Tetrachloride	5.79	117	111197	51.693	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	150808	51.866	ug/l	99
40) Benzene	6.14	78	377457	51.514	ug/l	100
41) Methacrylonitrile	5.04	41	98140	49.978	ug/l	100
42) 1,2-Dichloroethane	6.20	62	135365	51.500	ug/l	99
43) Isopropyl Acetate	6.45	43	271415	51.438	ug/l	100
44) Trichloroethene	7.21	130	90563	51.125	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106337	51.252	ug/l	98
46) Dibromomethane	7.66	93	61356	50.924	ug/l	98
47) Bromodichloromethane	7.90	83	124132	51.649	ug/l	96
48) Methyl methacrylate	7.77	41	136409	52.108	ug/l	99
49) 1,4-Dioxane	7.74	88	49193	926.609	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	894256	259.289	ug/l	100
52) Toluene	8.79	92	230761	51.809	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	142687	52.586	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158320	52.714	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	92914	51.132	ug/l	98
56) Ethyl methacrylate	9.18	69	170040	52.422	ug/l	99
57) 1,3-Dichloropropane	9.37	76	164750	51.521	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	389900	226.585	ug/l	99
59) 2-Hexanone	9.49	43	694655	256.453	ug/l	100
60) Dibromochloromethane	9.58	129	94549	53.274	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95096	51.844	ug/l	99
64) Tetrachloroethene	9.34	164	81670	51.223	ug/l	99
65) Chlorobenzene	10.13	112	238638	51.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	86797	51.490	ug/l	100
67) Ethyl Benzene	10.25	91	443797	51.862	ug/l	99
68) m/p-Xylenes	10.36	106	326962	104.558	ug/l	99
69) o-Xylene	10.69	106	159902	51.826	ug/l	100
70) Styrene	10.71	104	281809	52.551	ug/l	100
71) Bromoform	10.85	173	73250	53.471	ug/l #	97
73) Isopropylbenzene	11.02	105	424232	49.927	ug/l	99
74) N-amyl acetate	10.90	43	249294	50.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155804	49.187	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	136756m	50.455	ug/l	
77) Bromobenzene	11.26	156	106335	50.420	ug/l	99
78) n-propylbenzene	11.36	91	494170	50.924	ug/l	99
79) 2-Chlorotoluene	11.42	91	290128	48.460	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	361851	50.576	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	54291	51.250	ug/l	100
82) 4-Chlorotoluene	11.51	91	337825	49.948	ug/l	100
83) tert-Butylbenzene	11.77	119	348706	50.102	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	363915	50.675	ug/l	100
85) sec-Butylbenzene	11.94	105	415930	50.407	ug/l	99
86) p-Isopropyltoluene	12.06	119	378688	51.050	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	188802	50.217	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	188079	49.619	ug/l	99
89) n-Butylbenzene	12.38	91	347227	51.789	ug/l	99
90) Hexachloroethane	12.60	117	63955	50.606	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	190409	49.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34539	48.607	ug/l	99

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Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134155	51.230	ug/l	99
94) Hexachlorobutadiene	13.78	225	69102	51.675	ug/l	100
95) Naphthalene	13.83	128	426013	50.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	133540	50.308	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

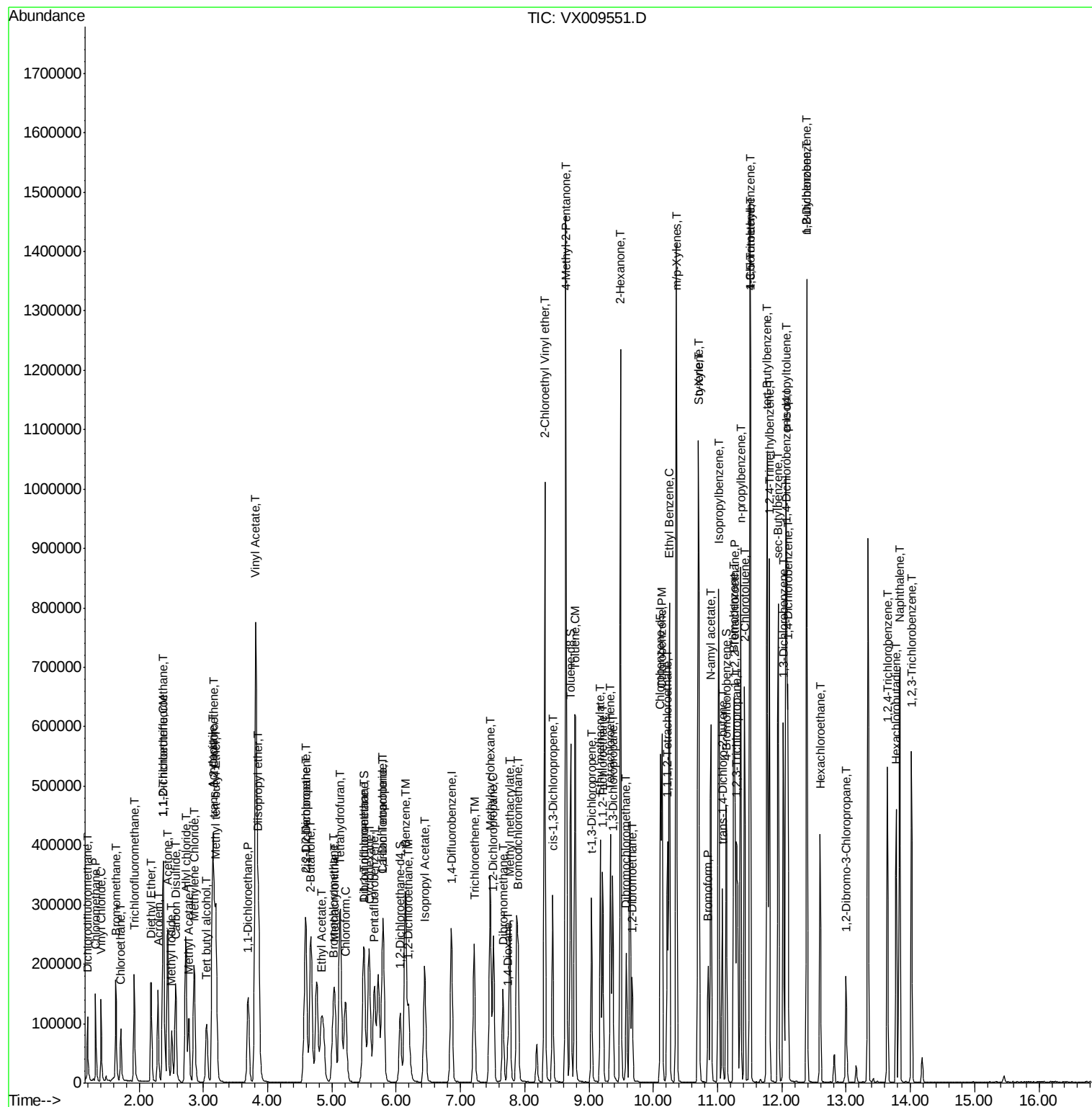
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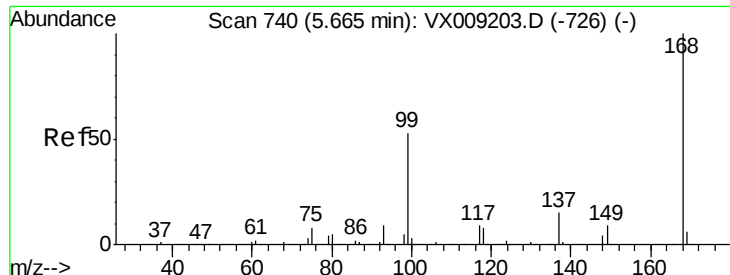
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 159515

Ion Ratio Lower Upper

168 100

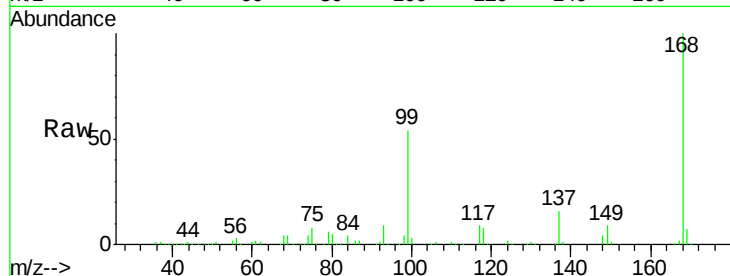
99 54.2 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

20000

10000

0

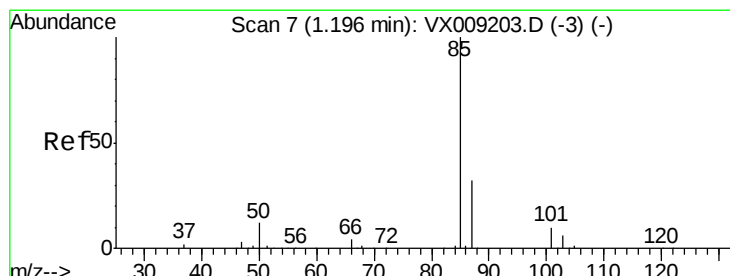
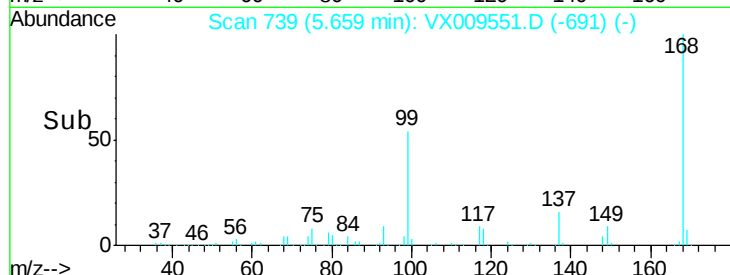
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.374 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009551.D

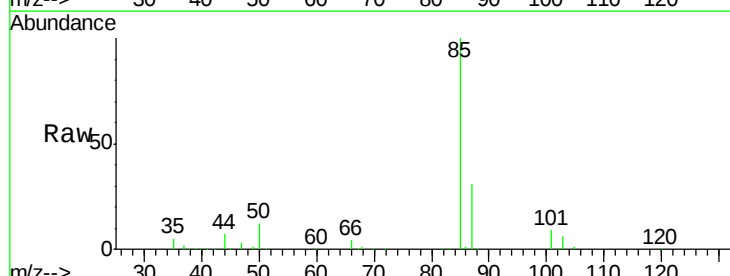
Acq: 13 May 2019 18:14

Tgt Ion: 85 Resp: 65227

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

0

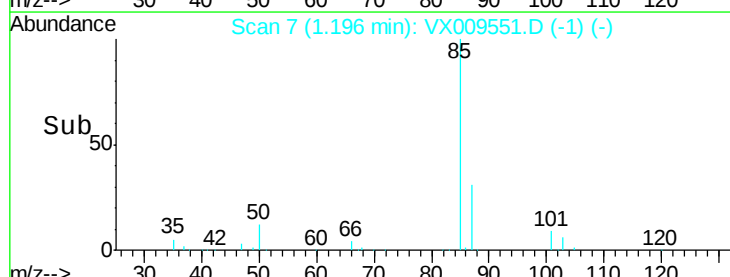
1.15

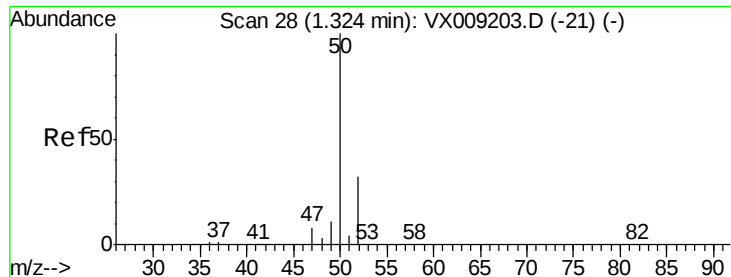
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 49.786 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 99914

Ion Ratio Lower Upper

50 100

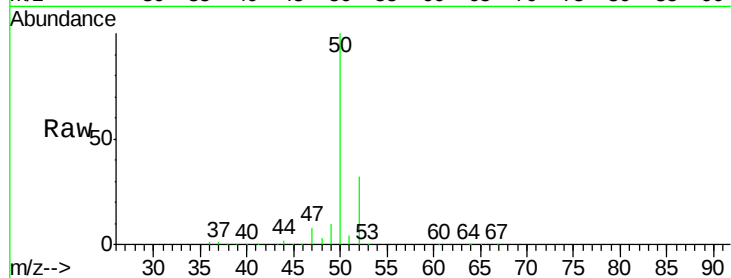
52 32.4 25.9 38.9

Manual Integrations

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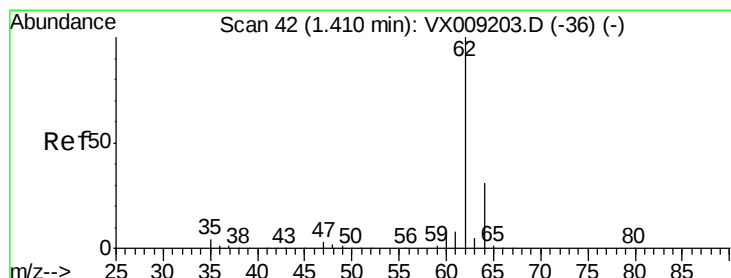
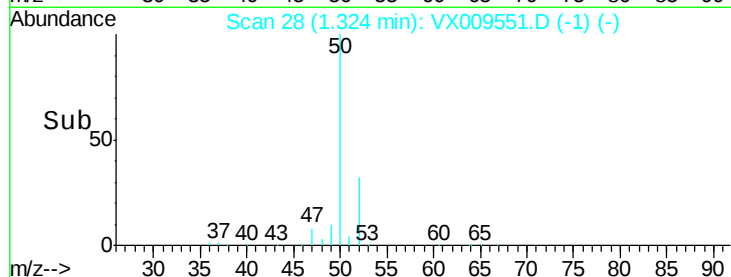
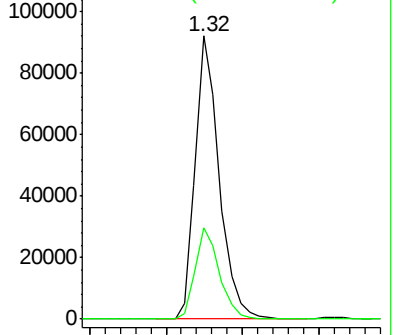
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.084 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009551.D

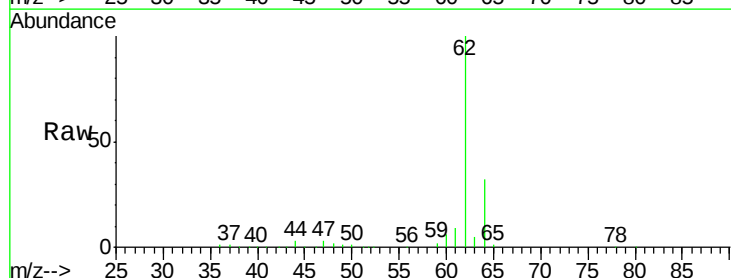
Acq: 13 May 2019 18:14

Tgt Ion: 62 Resp: 96054

Ion Ratio Lower Upper

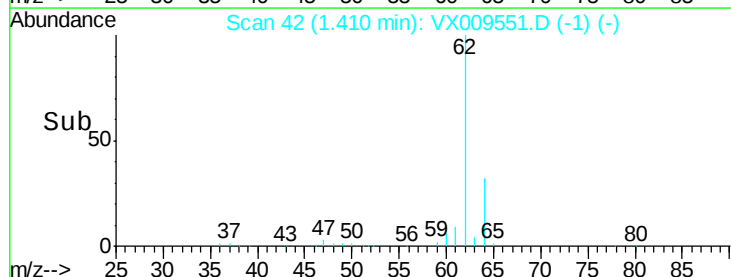
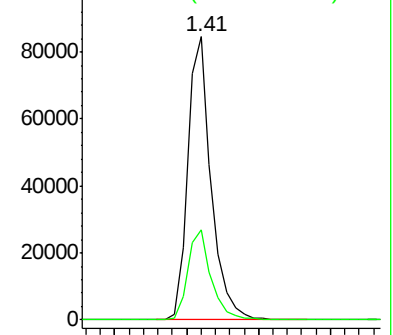
62 100

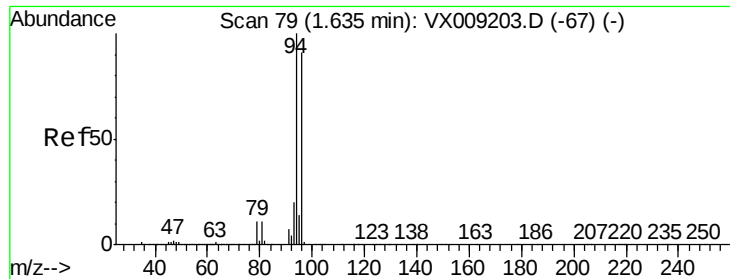
64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.965 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58688

Ion Ratio Lower Upper

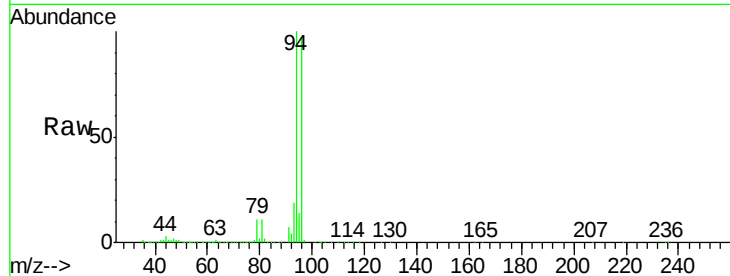
94 100

96 97.0 73.0 109.6

Manual Integrations
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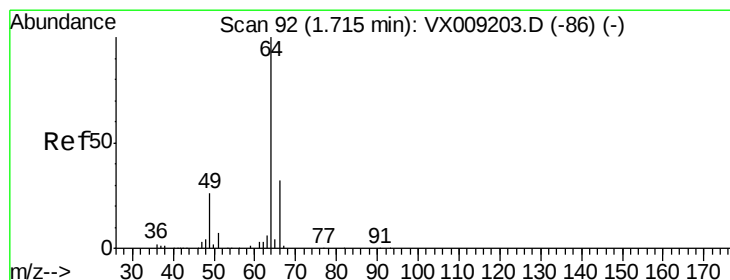
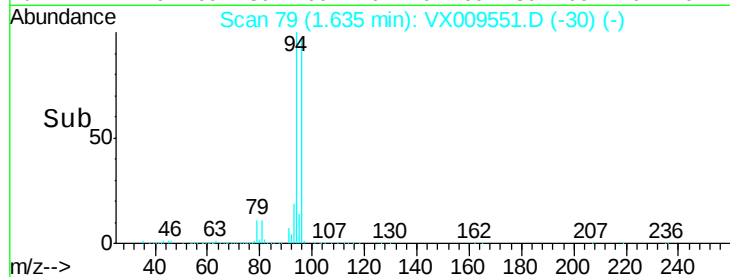
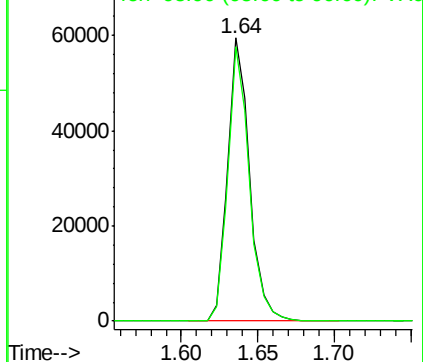
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.358 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009551.D

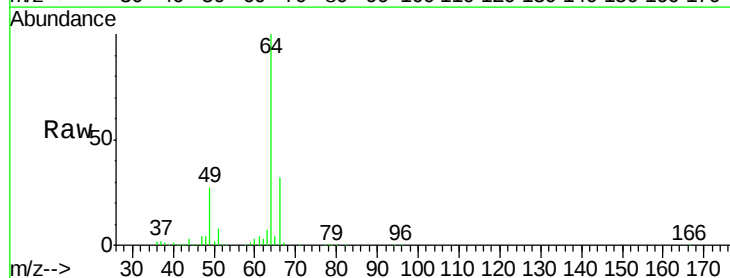
Acq: 13 May 2019 18:14

Tgt Ion: 64 Resp: 63272

Ion Ratio Lower Upper

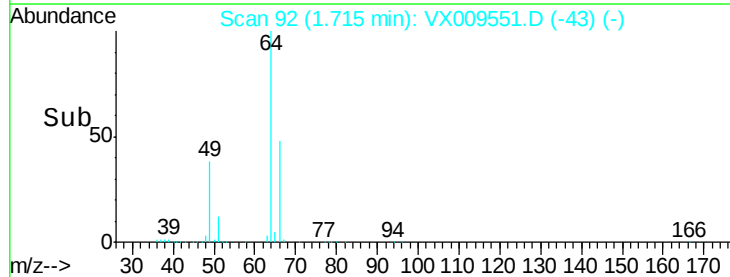
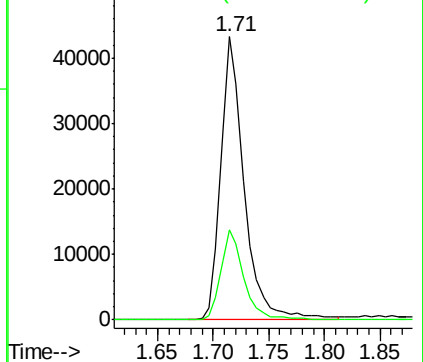
64 100

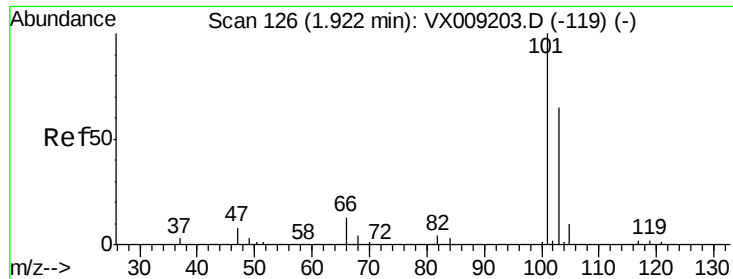
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

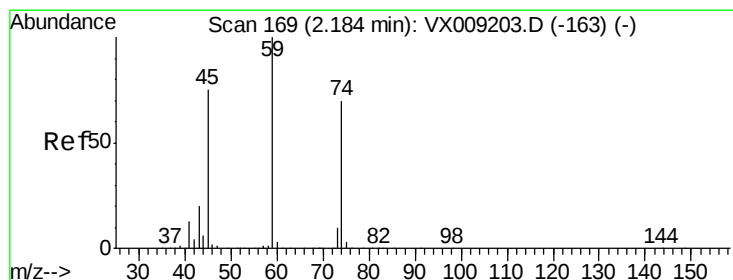
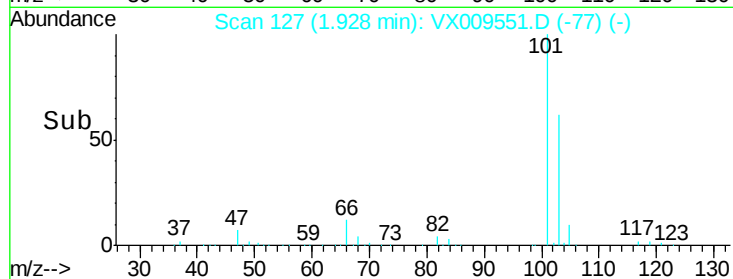
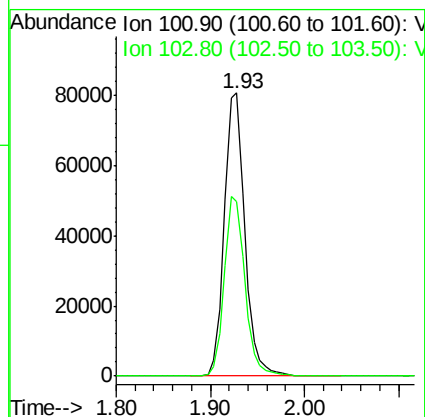
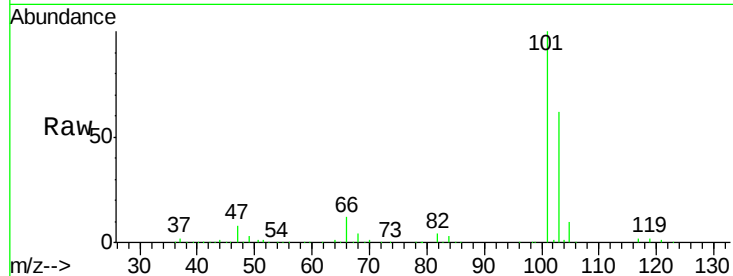
Trichlorofluoromethane
 Concen: 51.216 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		121832		
103	61.6	52.4	78.6		

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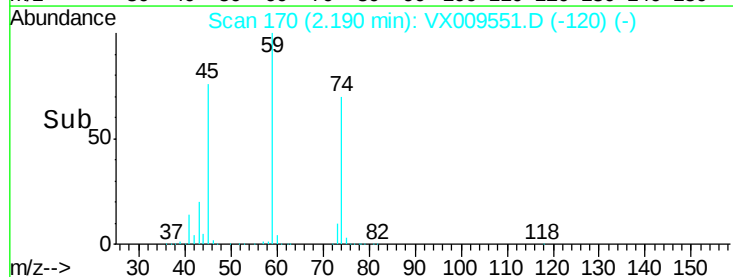
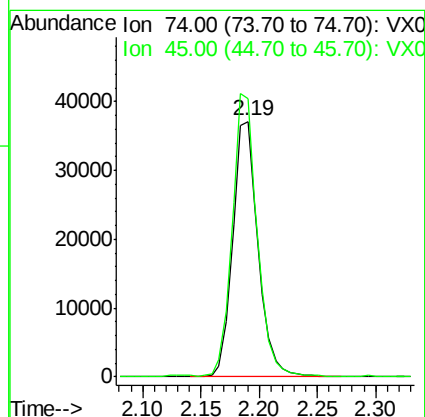
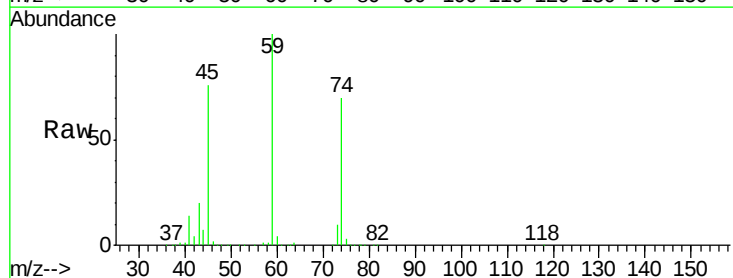
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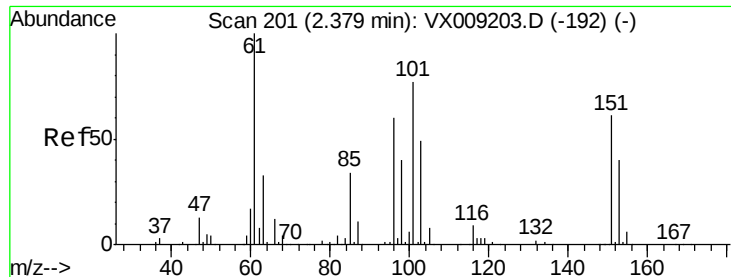


#8

Diethyl Ether
 Concen: 49.922 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		56251		
45	108.1	53.3	159.9		





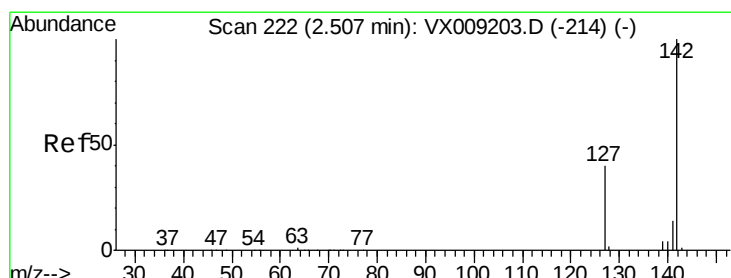
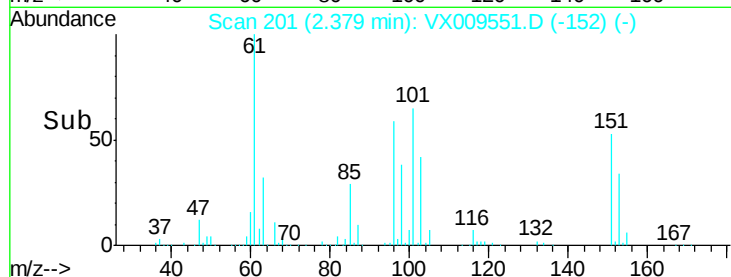
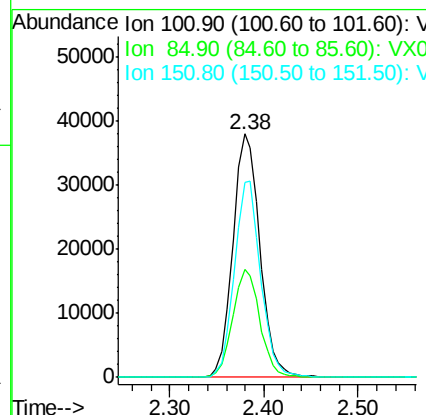
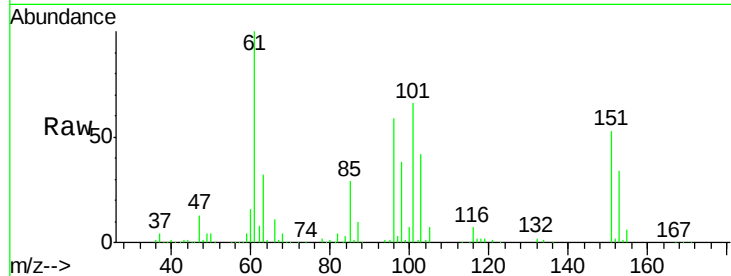
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.760 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	75825		
85	44.3		35.7	53.5
151	78.5		62.2	93.2

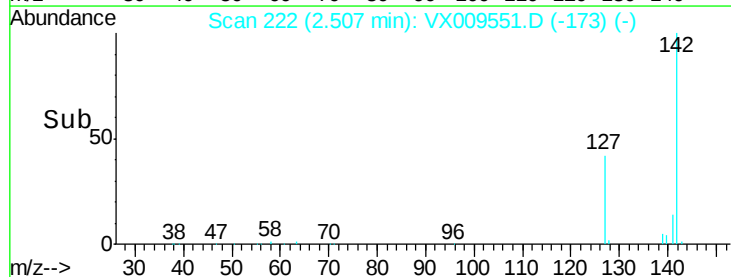
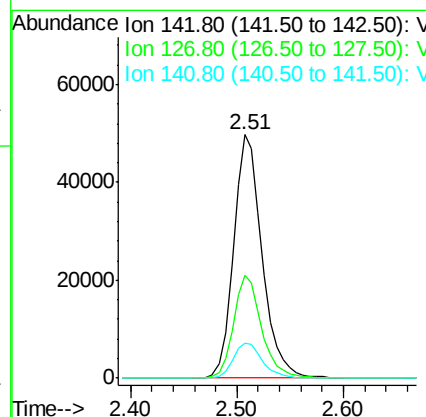
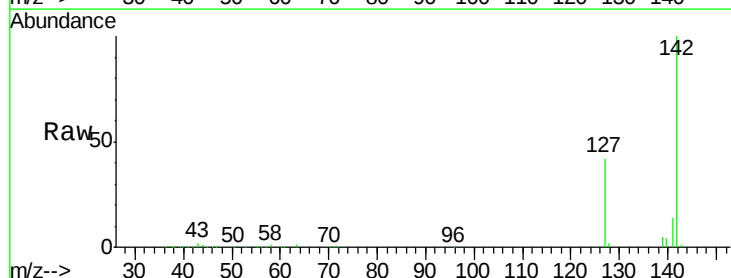
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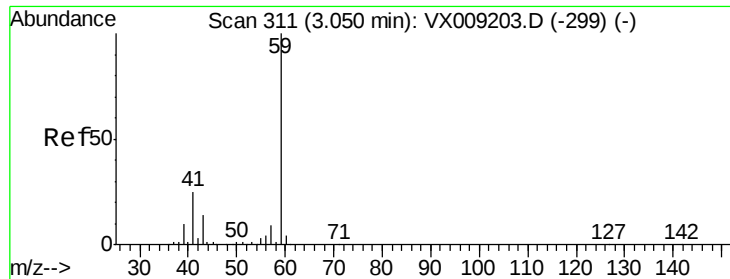
MMDadoda
5/14/2019 12:16:03 PM



#10
Methyl Iodide
Concen: 53.225 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92945		
127	41.5		32.7	49.1
141	14.7		11.5	17.3





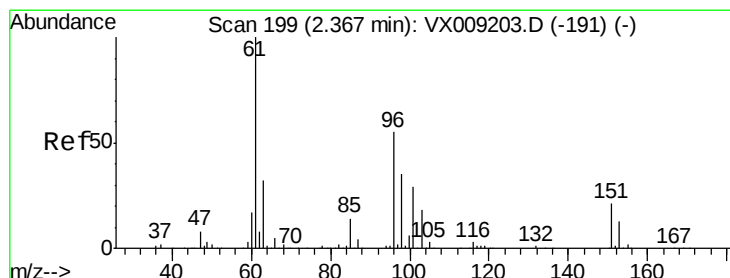
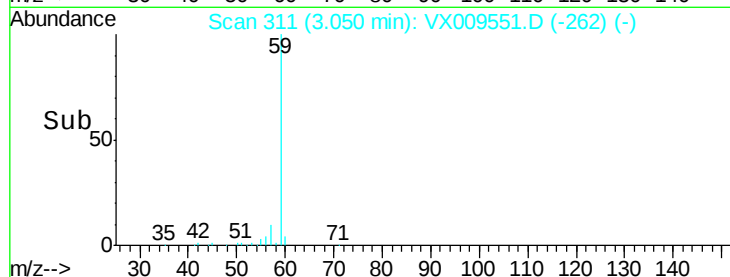
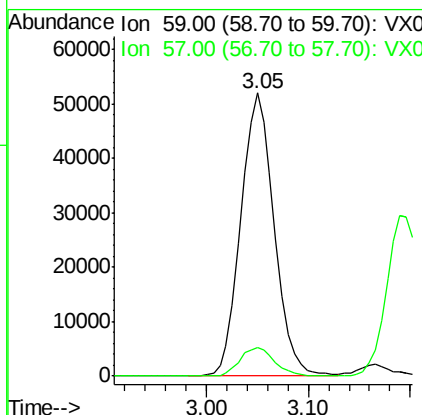
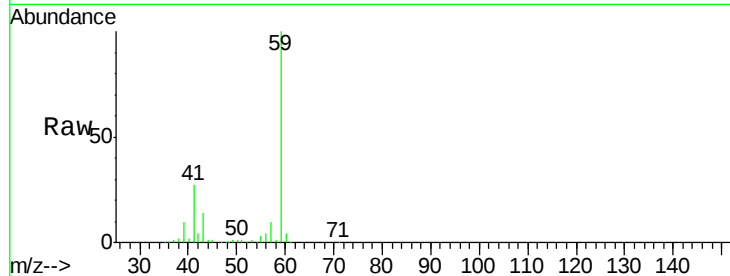
#11
Tert butyl alcohol
Concen: 234.334 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 118117
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

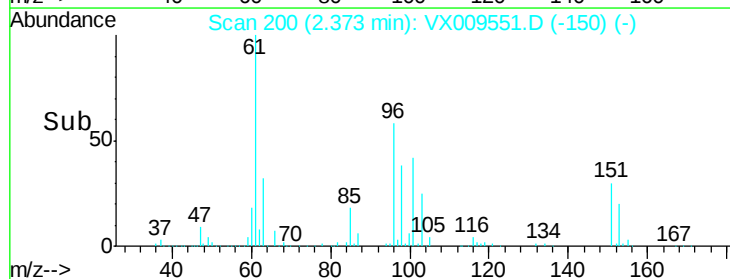
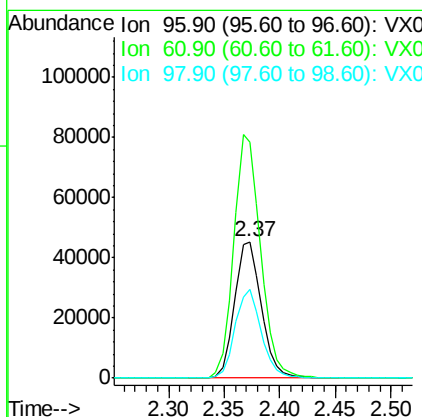
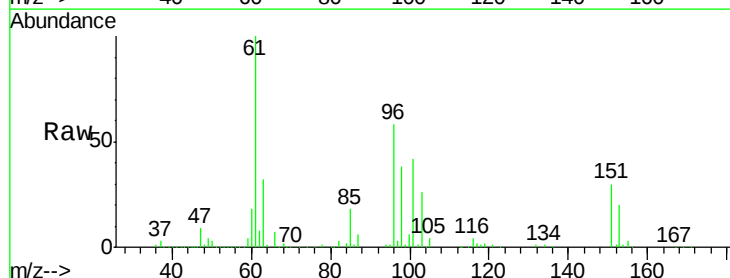
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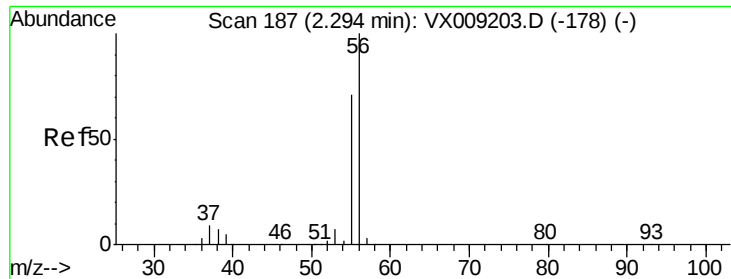
MMDadoda
5/14/2019 12:16:03 PM



#12
1,1-Dichloroethene
Concen: 50.554 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 96 Resp: 75665
Ion Ratio Lower Upper
96 100
61 173.2 144.3 216.5
98 65.3 50.3 75.5





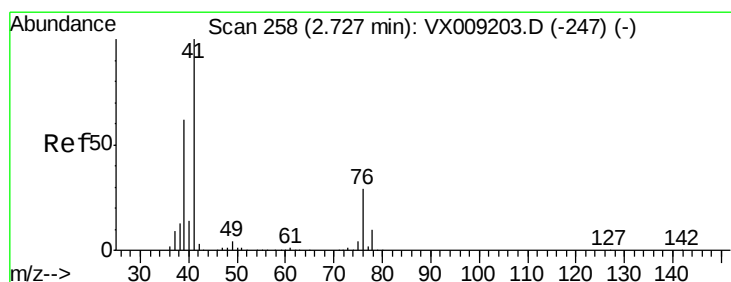
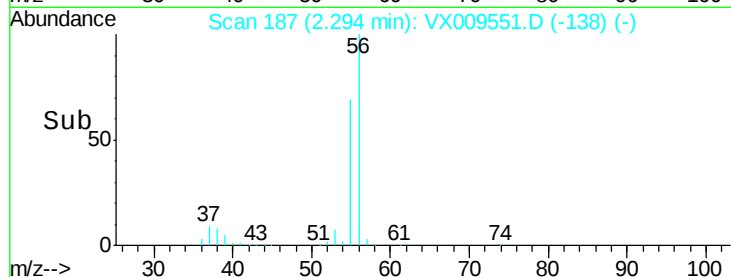
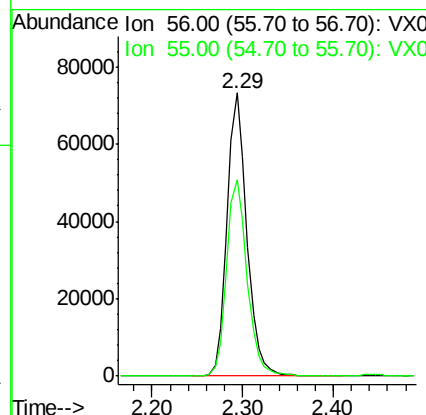
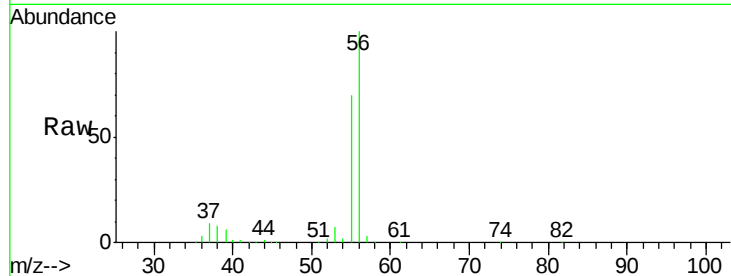
#13
Acrolein
Concen: 245.766 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.6	85.0

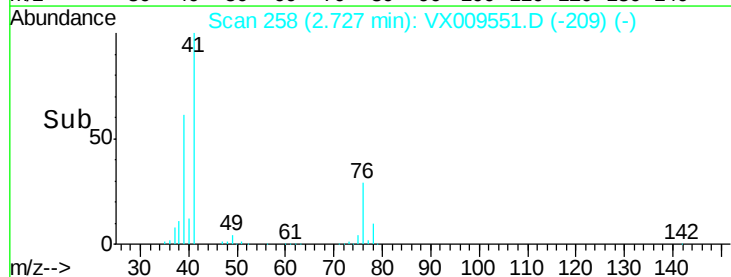
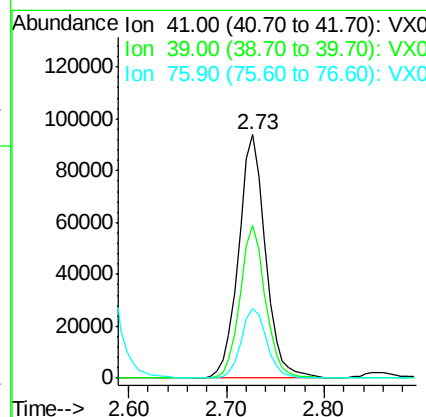
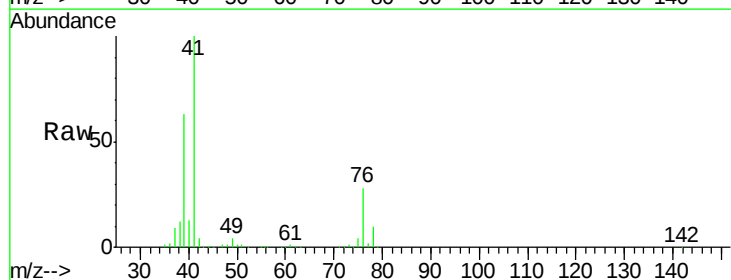
Manual Integrations
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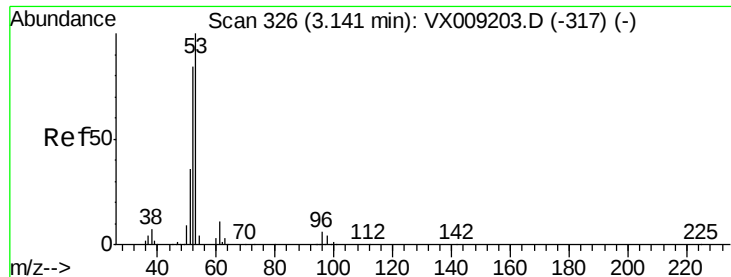
MMDadoda
5/14/2019 12:16:03 PM



#14
Allyl chloride
Concen: 49.290 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.4	46.7	70.1
76	27.1	21.8	32.8





#15

Acrylonitrile

Concen: 246.971 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

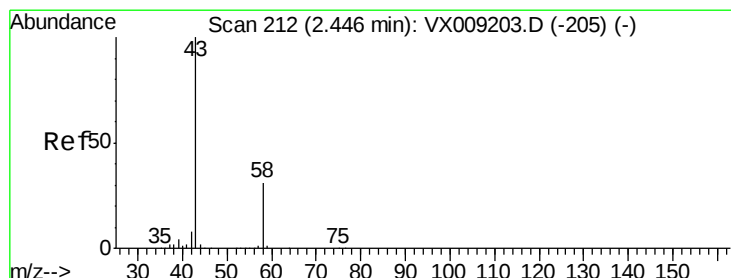
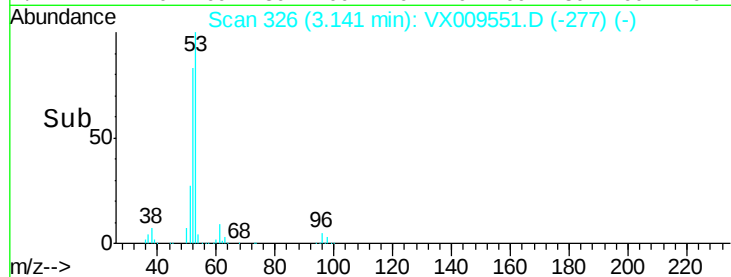
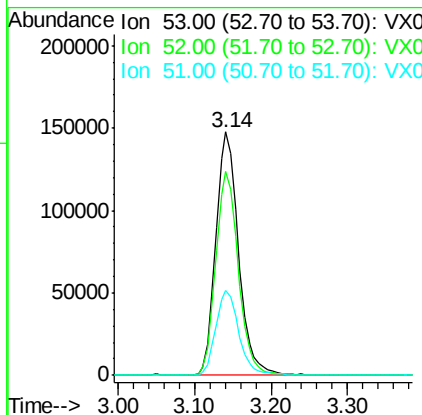
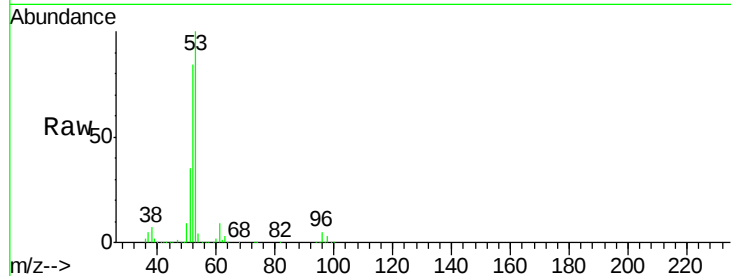
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	304379
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 242.712 ug/l

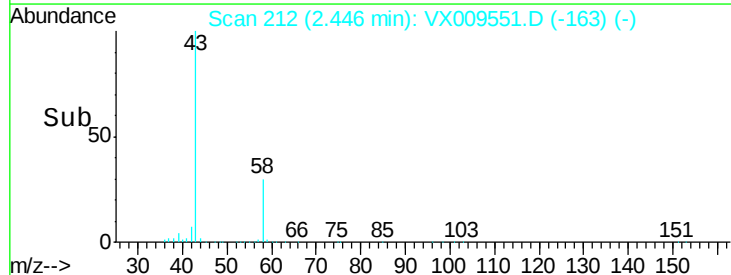
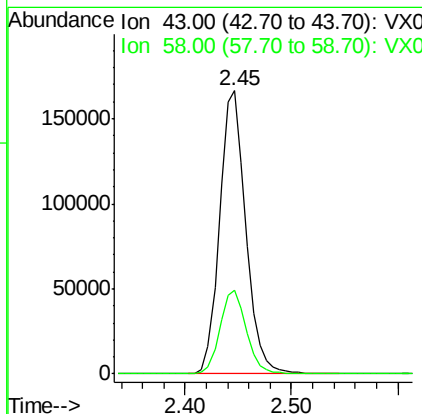
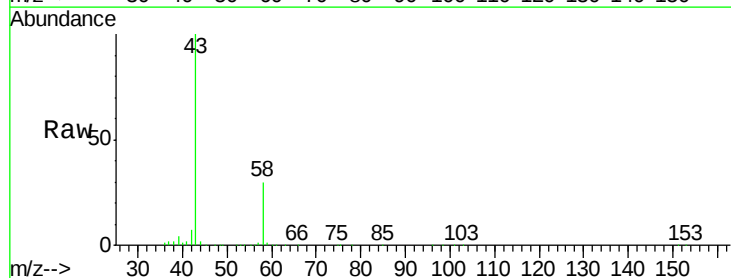
RT: 2.45 min Scan# 212

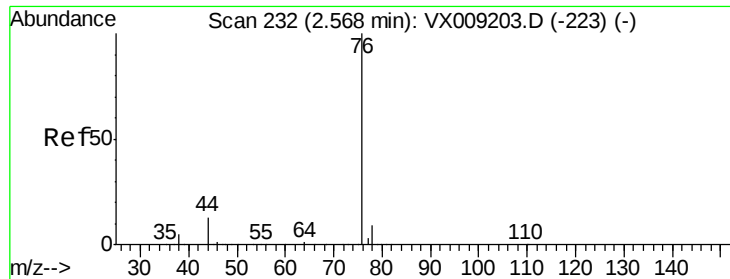
Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	43	Resp:	283796
Ion Ratio		Lower	Upper
43	100		
58	29.7	24.9	37.3





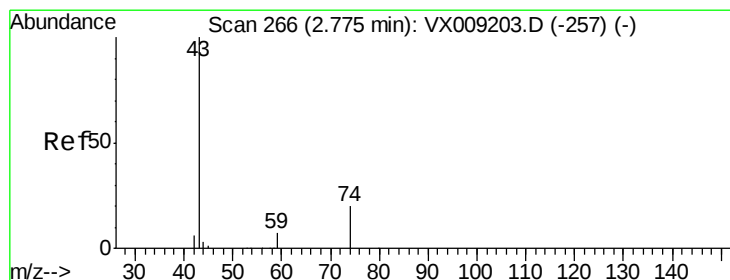
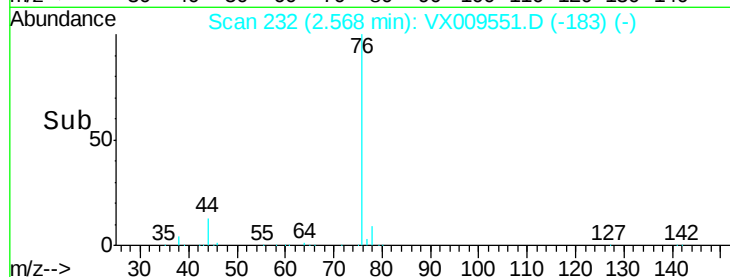
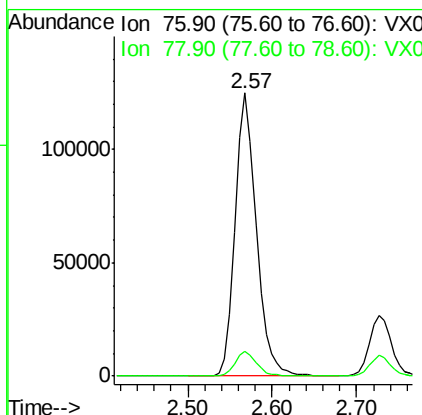
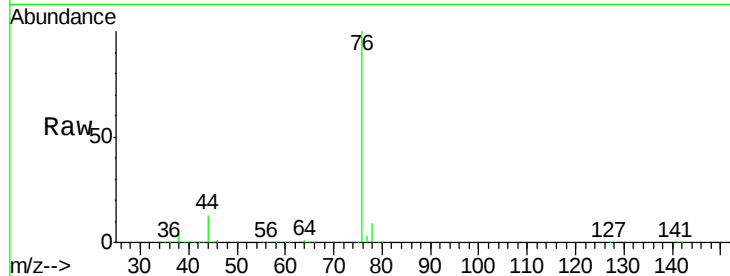
#17
Carbon Disulfide
Concen: 50.628 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

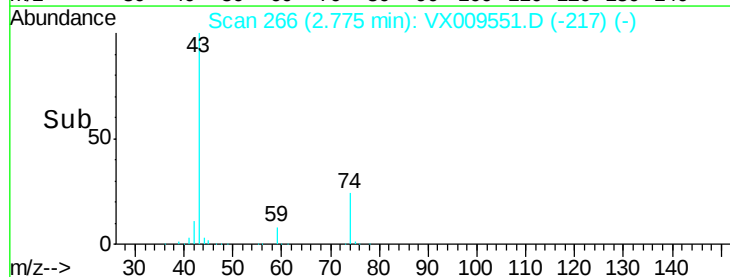
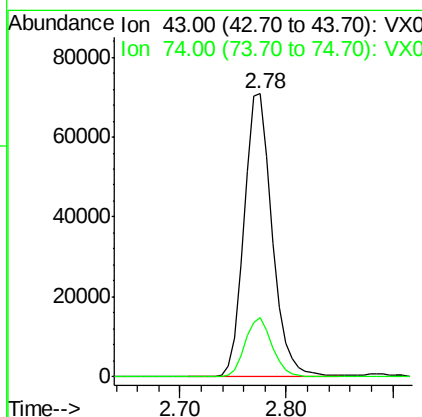
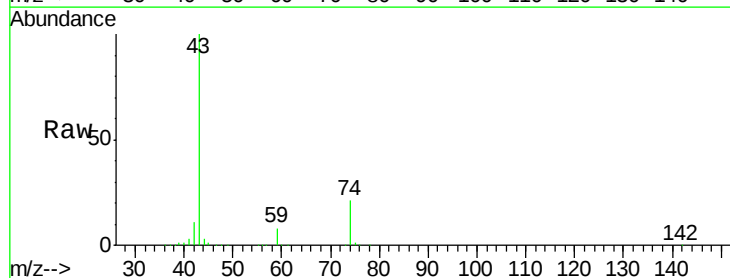
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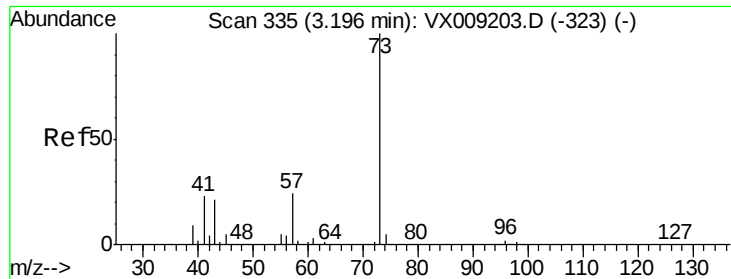
MMDadoda
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#18
Methyl Acetate
Concen: 47.032 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.2	24.4





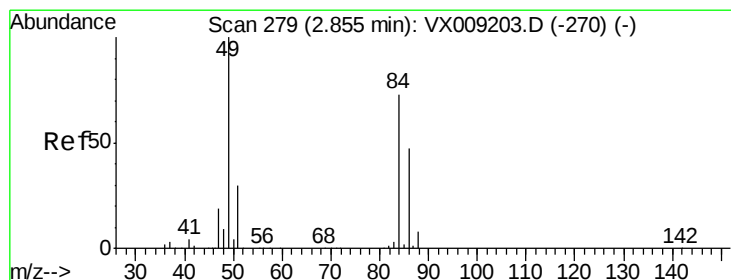
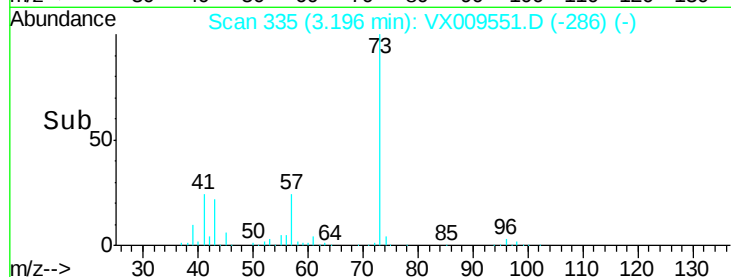
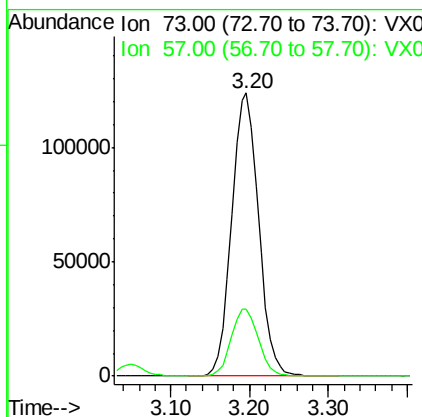
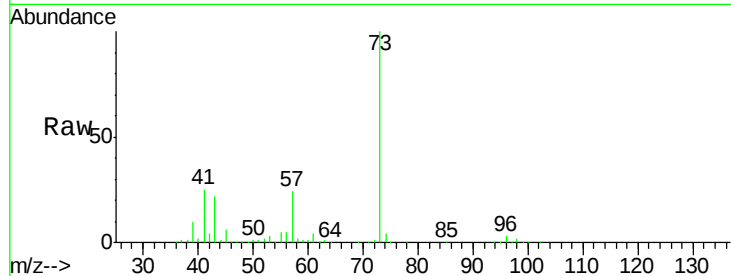
#19
Methyl tert-butyl Ether
Concen: 50.528 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 293675
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9

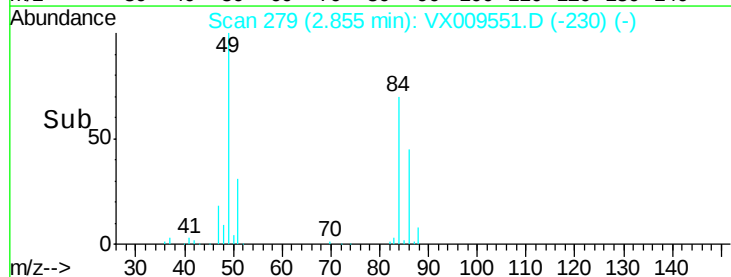
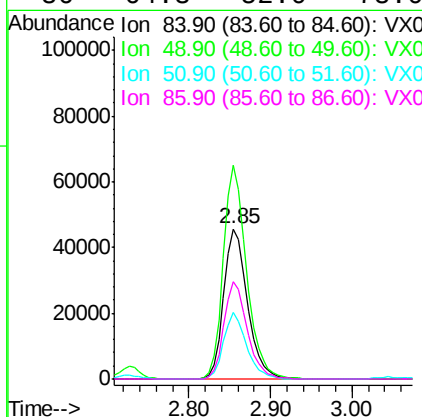
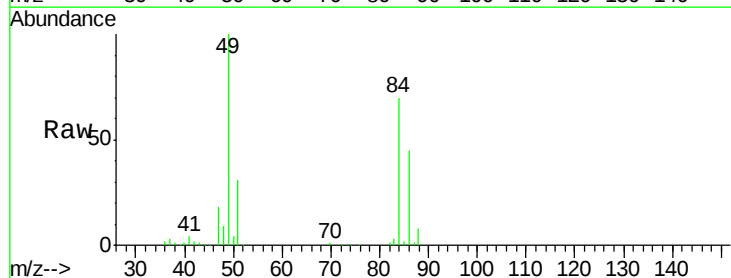
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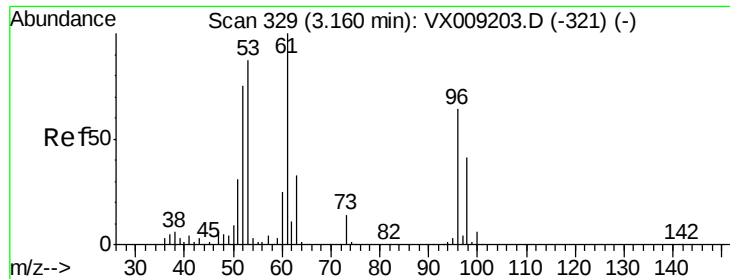
MMDadoda
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#20
Methylene Chloride
Concen: 48.647 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 84 Resp: 92099
Ion Ratio Lower Upper
84 100
49 141.8 109.9 164.9
51 44.0 32.7 49.1
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.923 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

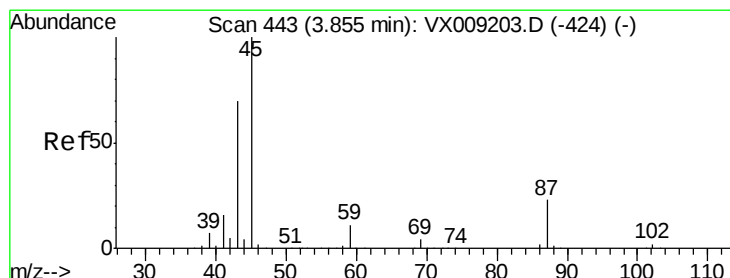
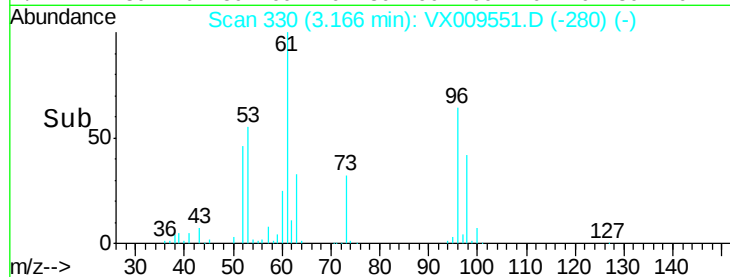
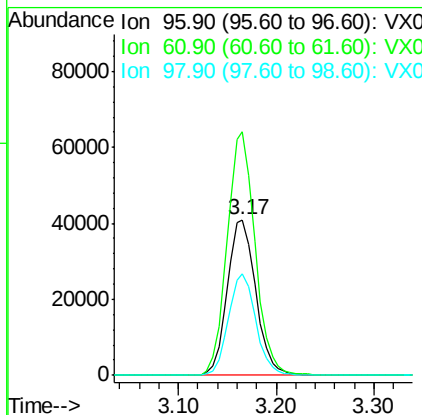
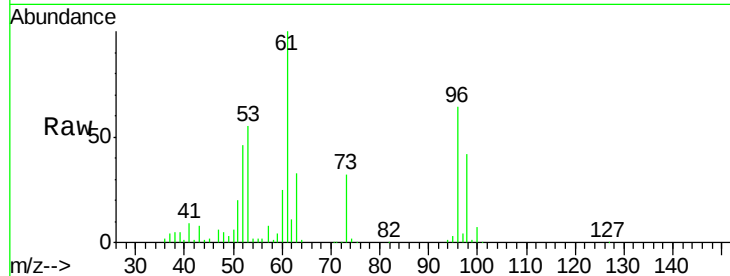
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	82657
Ion Ratio	Lower	Upper	
96	100		
61	156.6	124.5	186.7
98	65.7	50.4	75.6

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#22

Diisopropyl ether

Concen: 50.527 ug/l

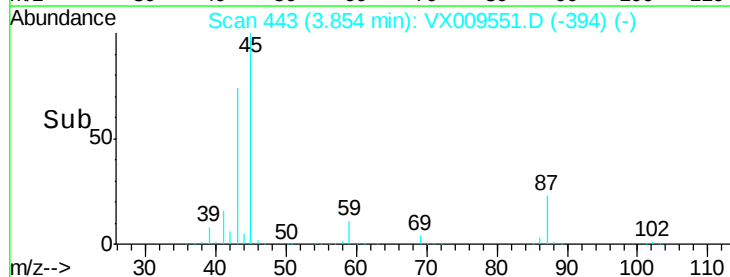
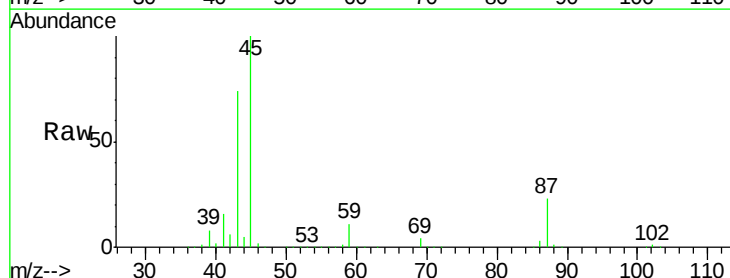
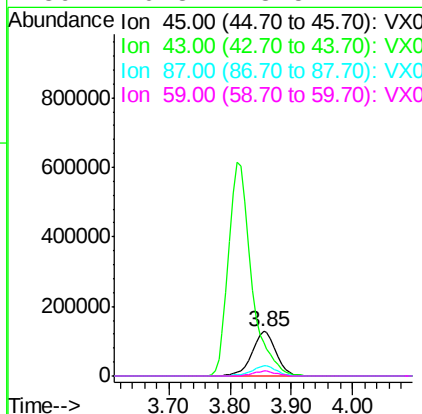
RT: 3.85 min Scan# 443

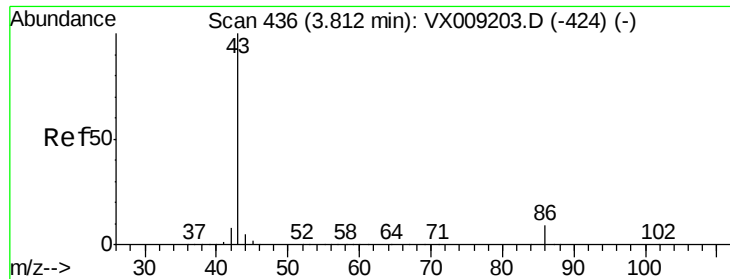
Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	45	Resp:	354427
Ion Ratio	Lower	Upper	
45	100		
43	74.2	56.1	84.1
87	23.0	18.1	27.1
59	10.8	8.5	12.7





#23

Vinyl Acetate

Concen: 263.563 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1583130

Ion Ratio Lower Upper

43 100

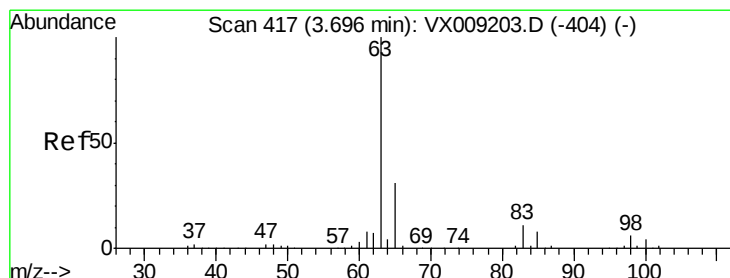
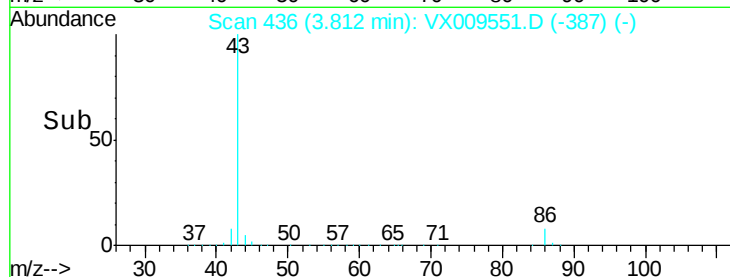
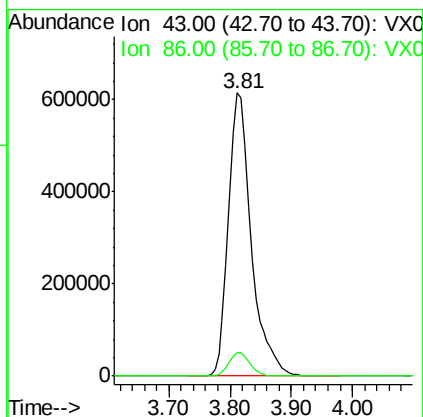
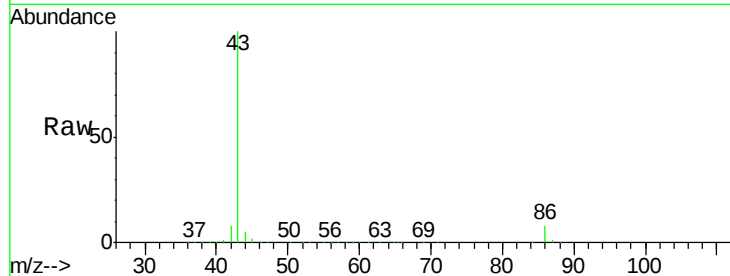
86 8.5 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.813 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

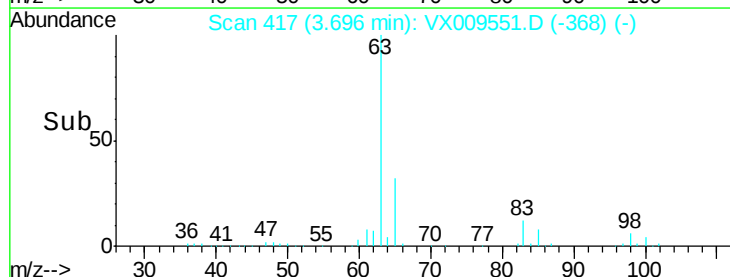
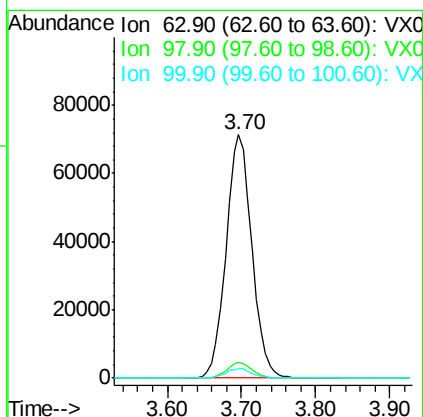
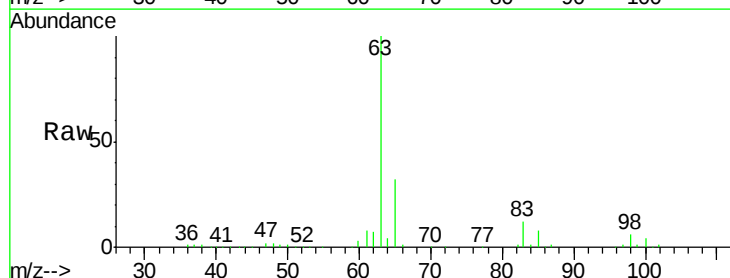
Tgt Ion: 63 Resp: 172370

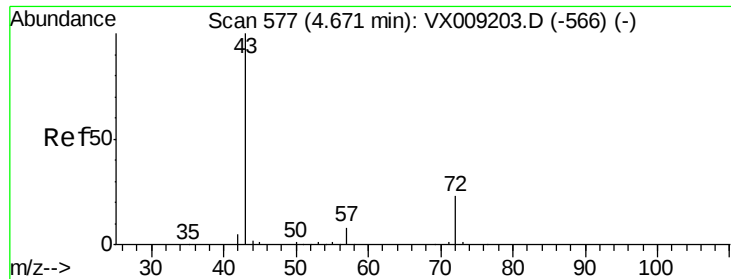
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 250.131 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 454490

Ion Ratio Lower Upper

43 100

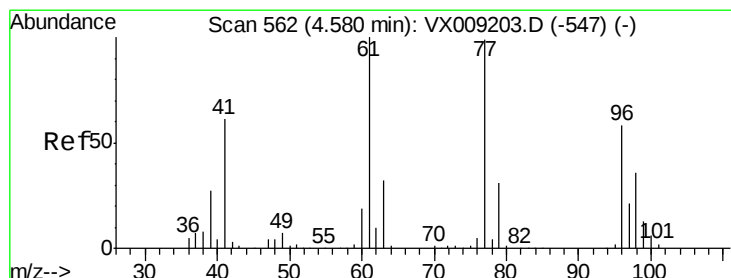
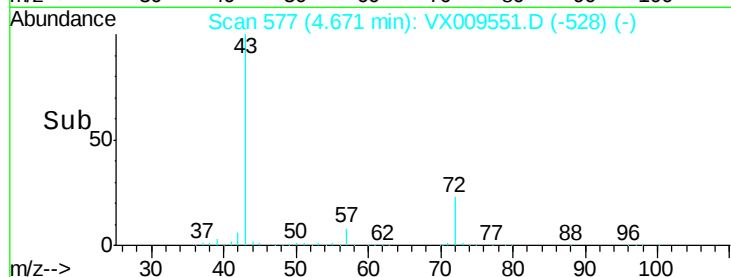
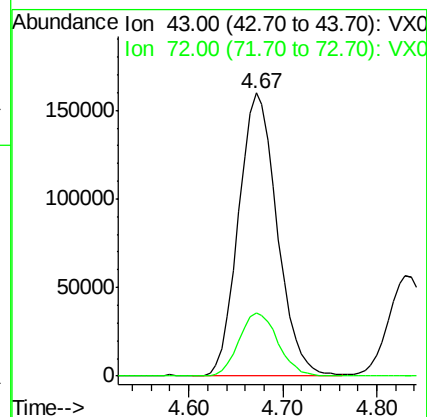
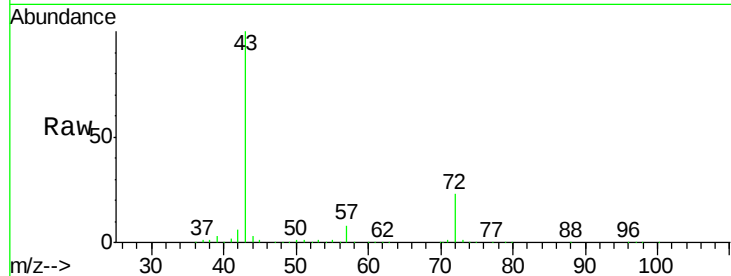
72 22.5 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.116 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009551.D

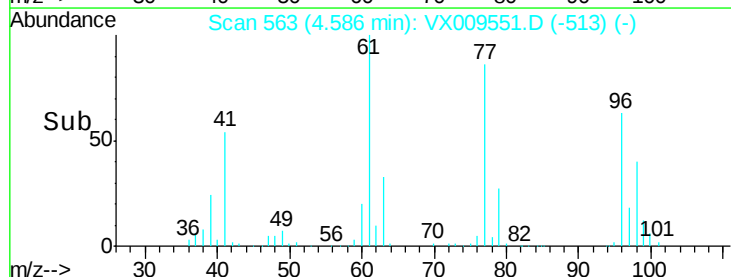
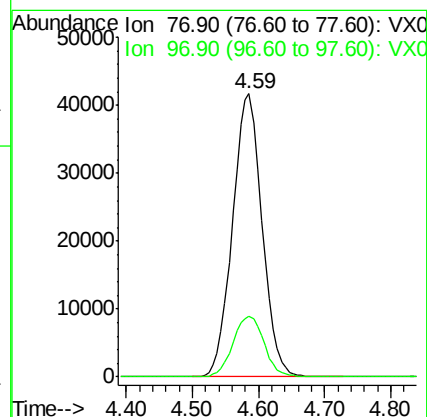
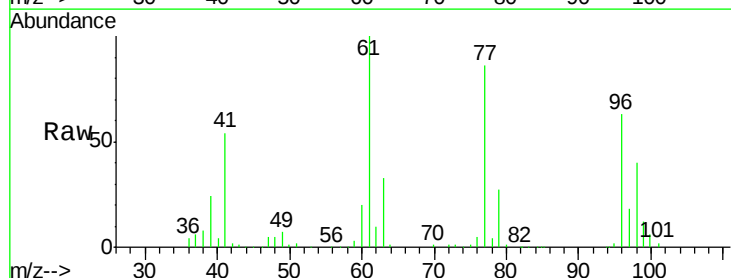
Acq: 13 May 2019 18:14

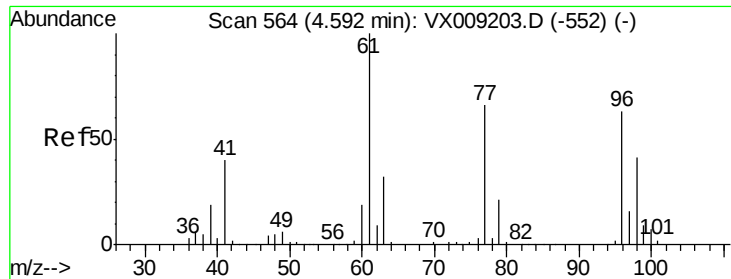
Tgt Ion: 77 Resp: 129083

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

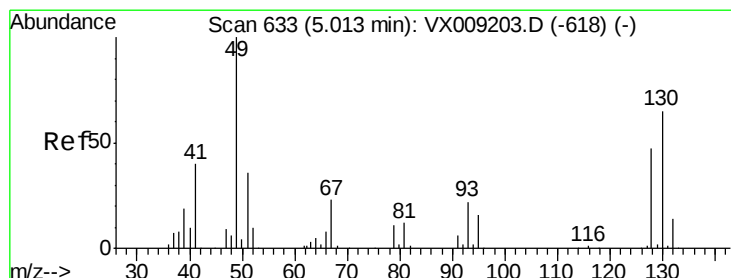
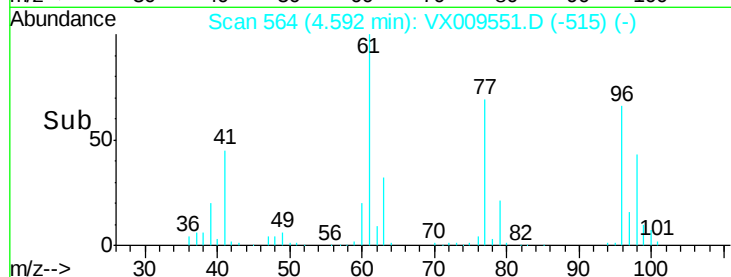
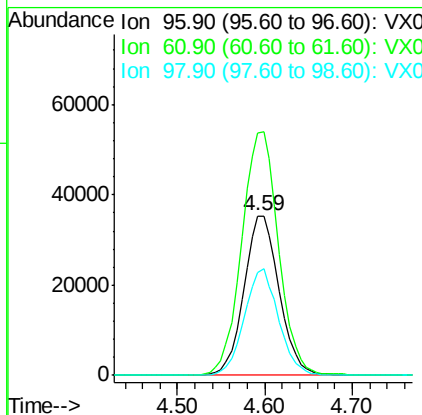
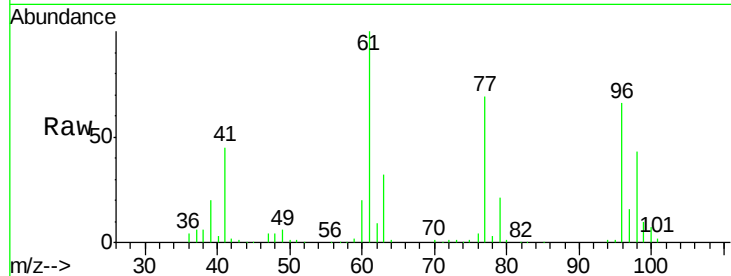
cis-1,2-Dichloroethene
Concen: 50.678 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	324.0
98	65.2	0.0	130.4

Manual Integrations
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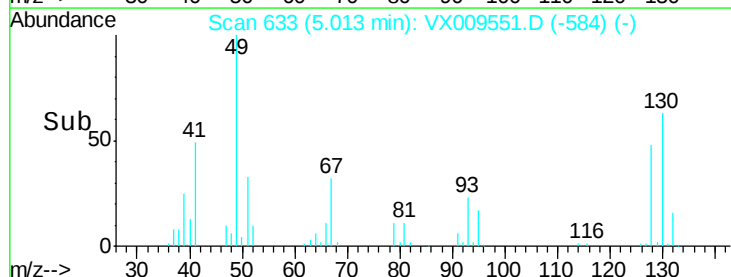
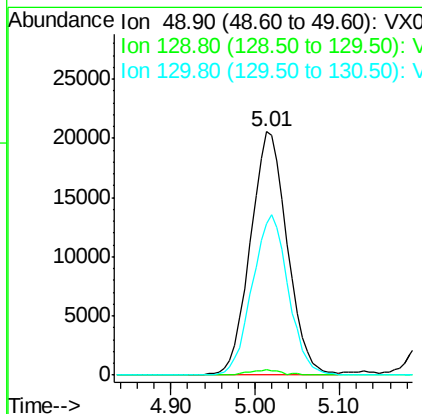
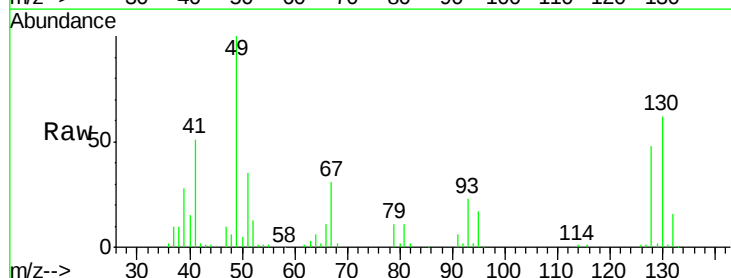
MMDadoda
5/14/2019 12:16:03 PM

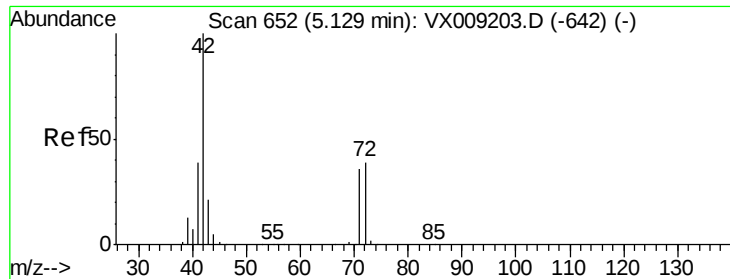


#28

Bromochloromethane
Concen: 43.658 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	64.7	51.2	76.8





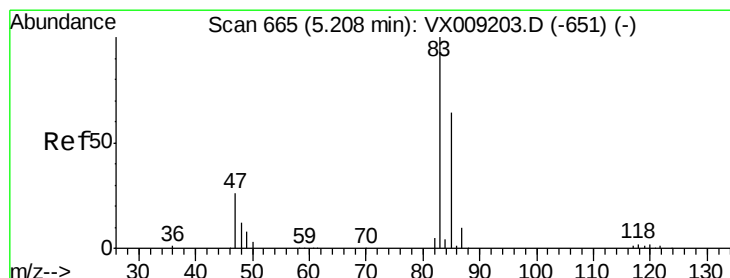
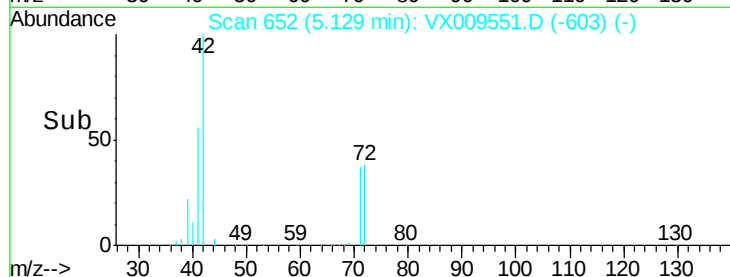
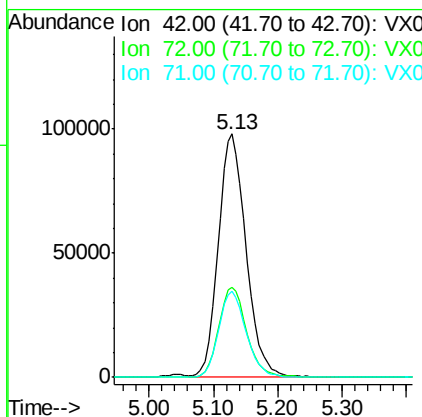
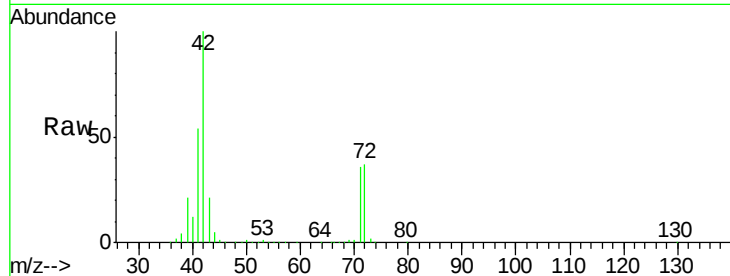
#29
Tetrahydrofuran
Concen: 253.342 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.5	28.6	43.0

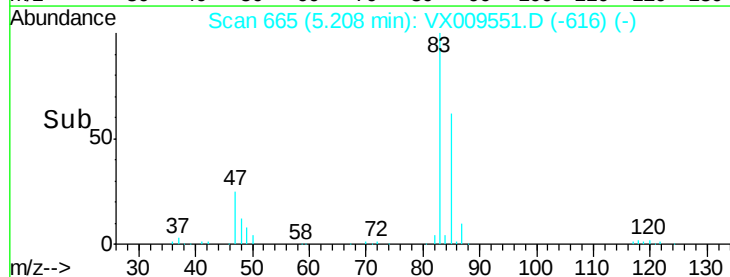
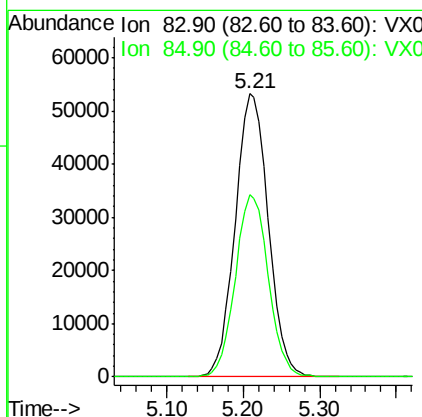
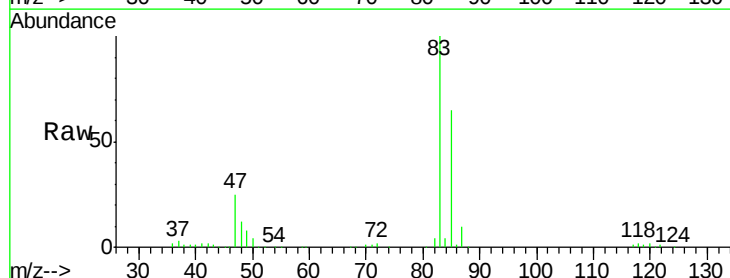
Manual Integrations
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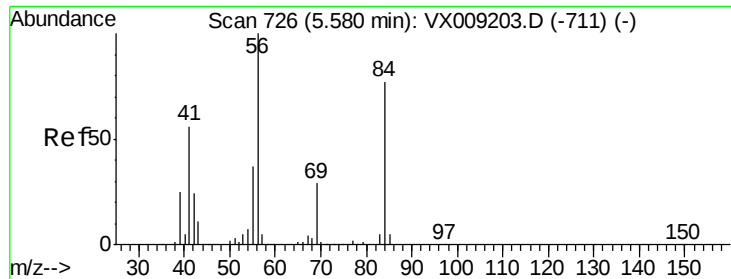
MMDadoda
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#30
Chloroform
Concen: 51.123 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





#31

Cyclohexane

Concen: 51.163 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

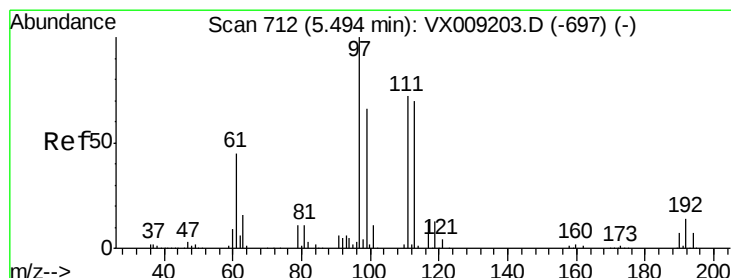
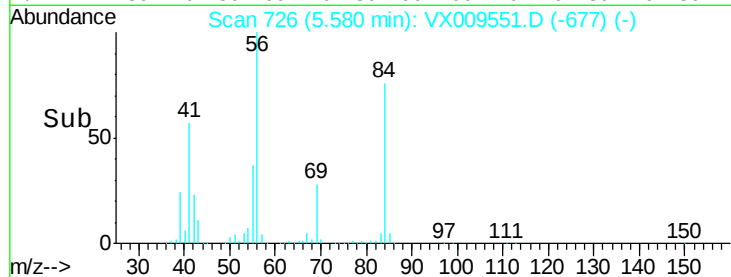
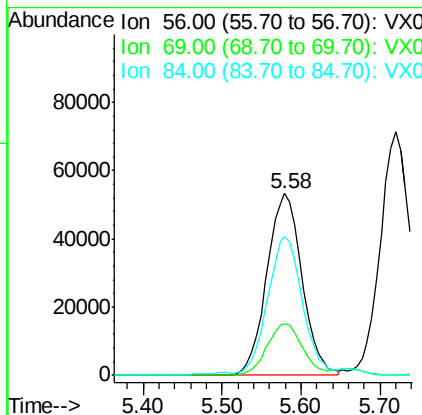
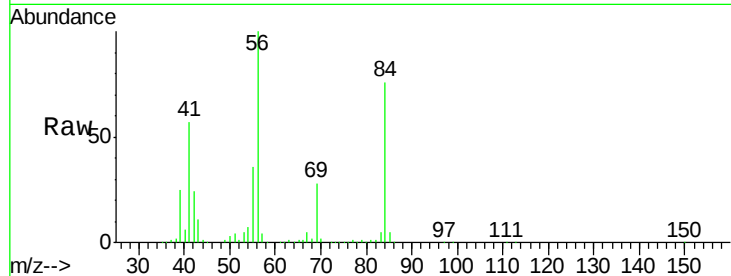
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	164715
Ion Ratio	Lower	Upper	
56	100		
69	27.9	23.4	35.0
84	76.2	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.458 ug/l

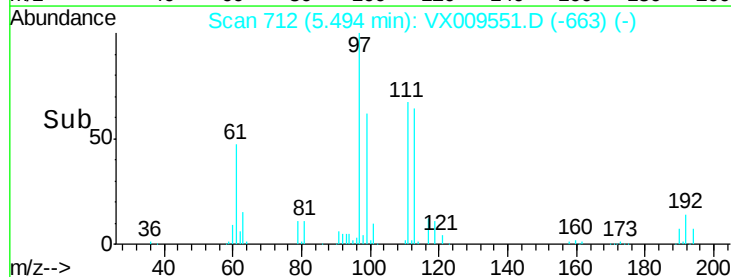
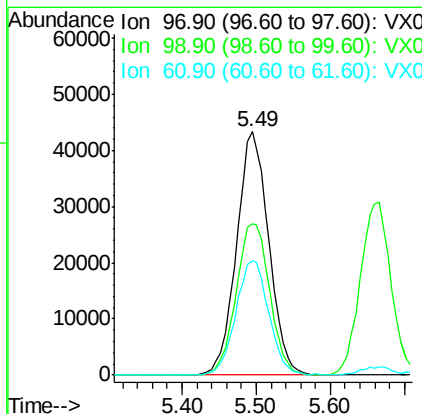
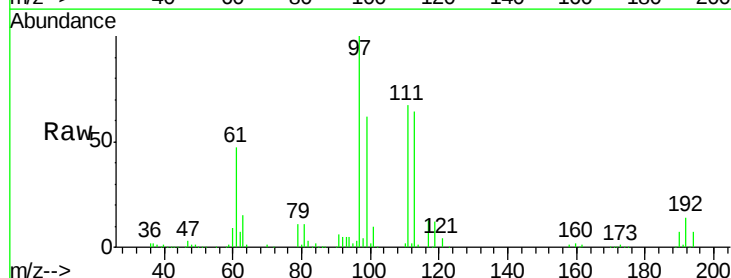
RT: 5.49 min Scan# 712

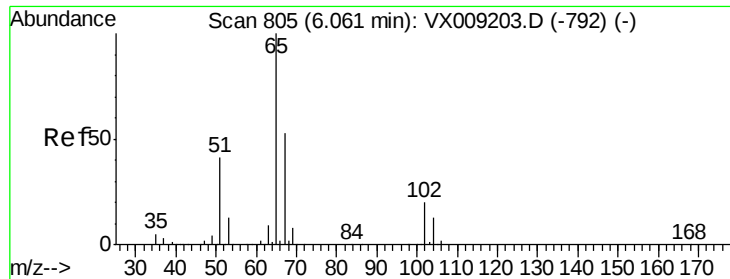
Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	97	Resp:	131459
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.8	77.8
61	48.3	37.8	56.8





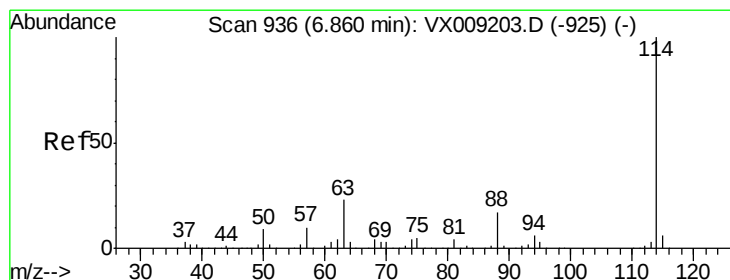
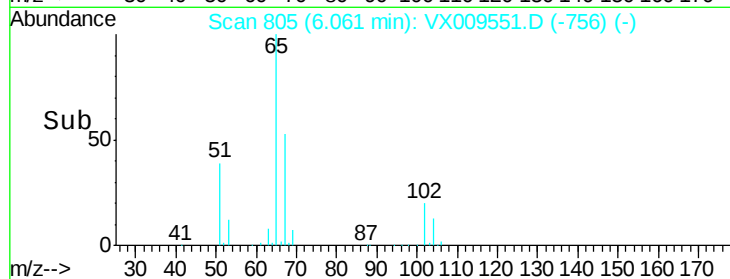
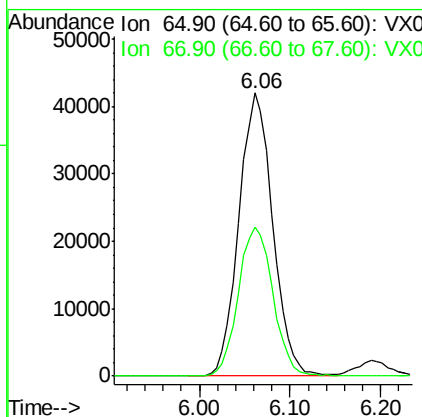
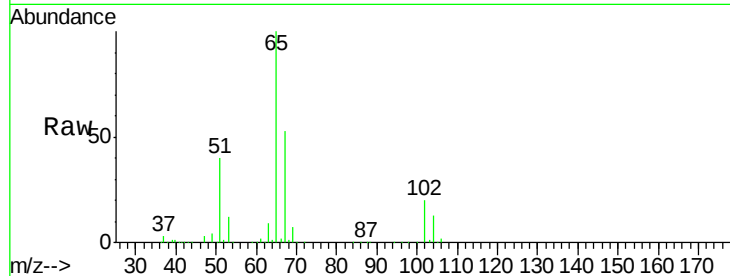
#33
 1,2-Dichloroethane-d4
 Concen: 49.988 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108853		
67	54.0	0.0	106.6	

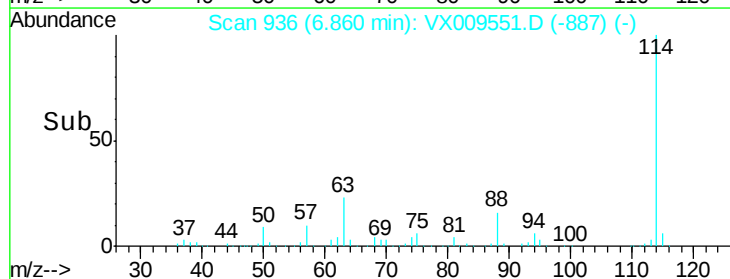
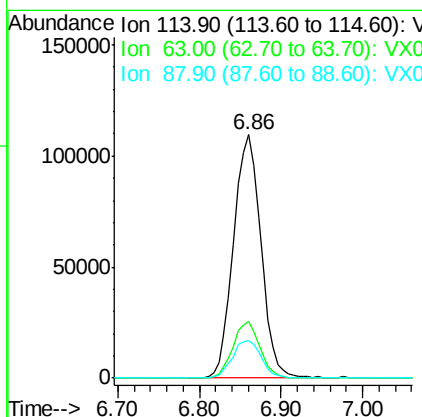
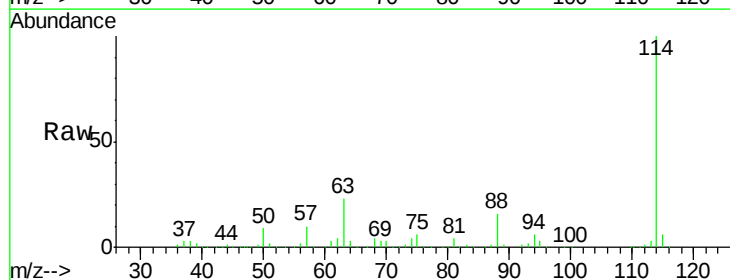
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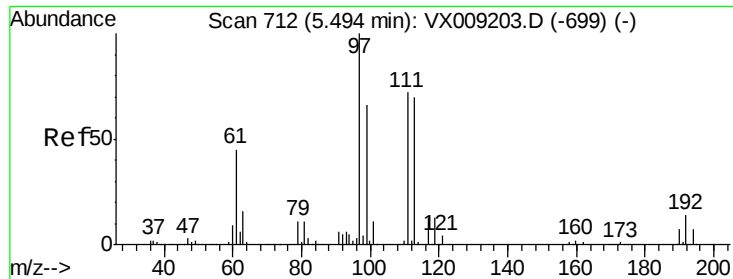
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	254769		
63	23.3	0.0	45.6	
88	15.6	0.0	33.2	





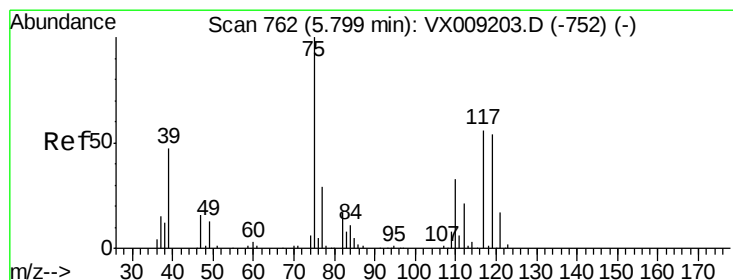
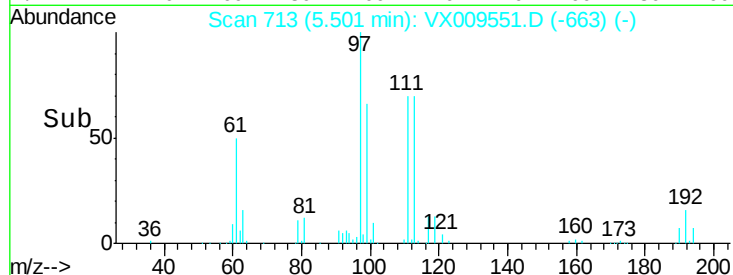
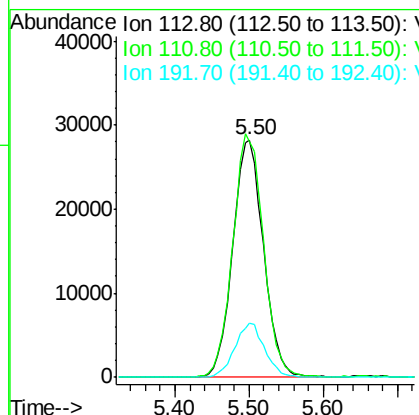
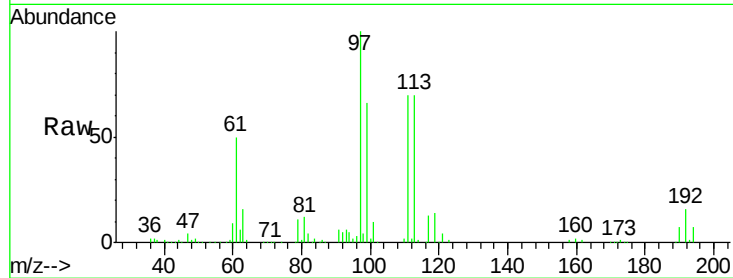
#35
 Dibromofluoromethane
 Concen: 50.941 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81586		
111	103.0	82.8	124.2	
192	22.1	17.0	25.6	

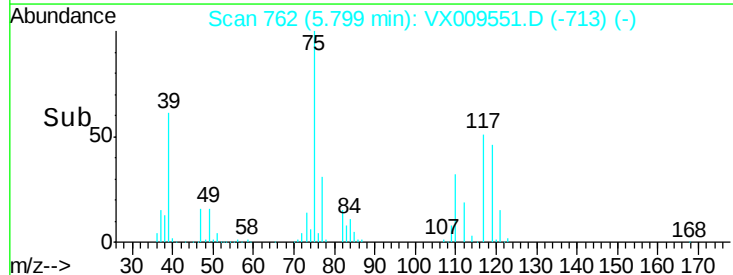
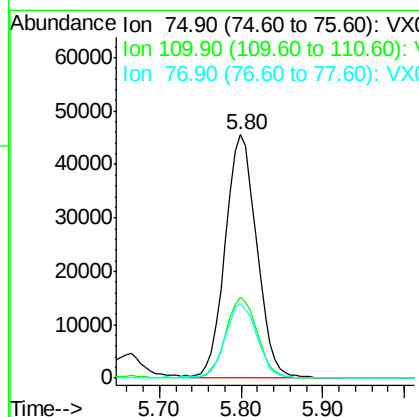
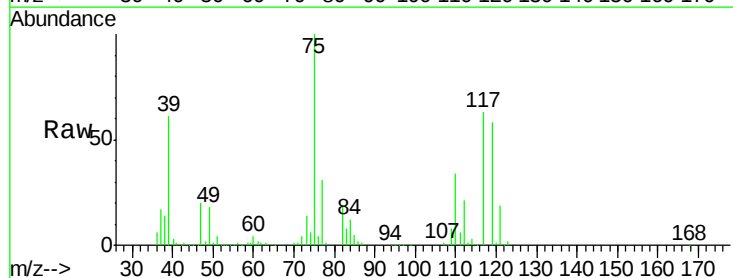
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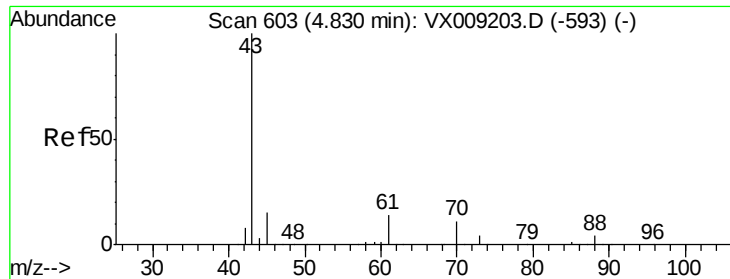
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#36
 1,1-Dichloropropene
 Concen: 51.052 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120872		
110	33.5	16.9	50.6	
77	31.8	24.8	37.2	





#37

Ethyl Acetate

Concen: 50.927 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

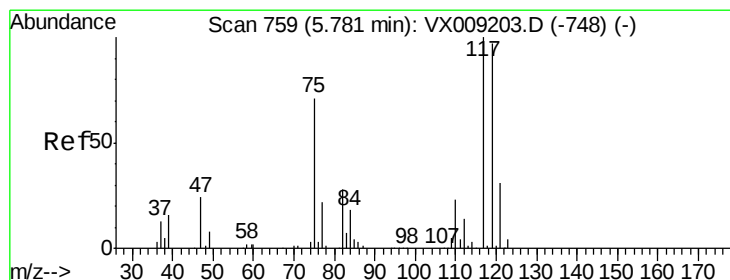
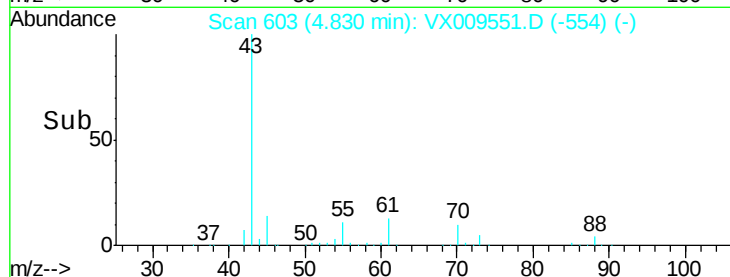
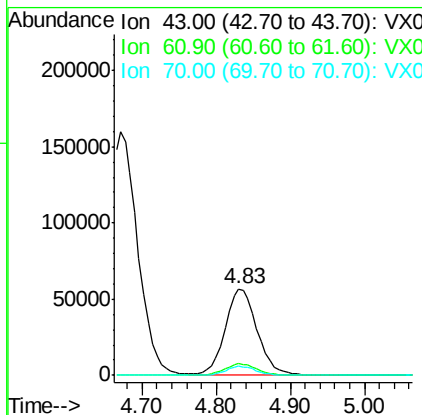
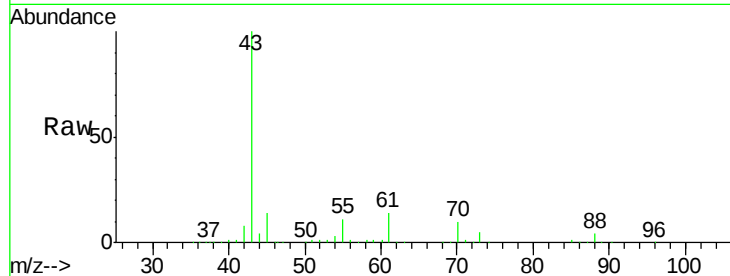
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	167995
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.6	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.693 ug/l

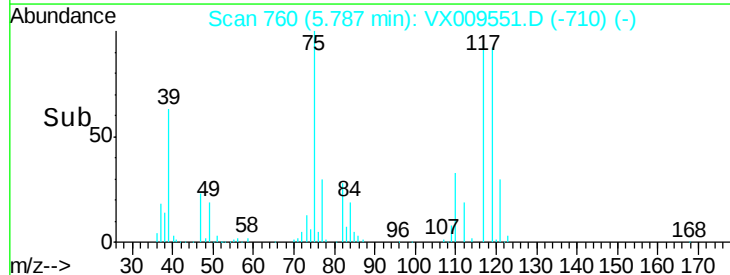
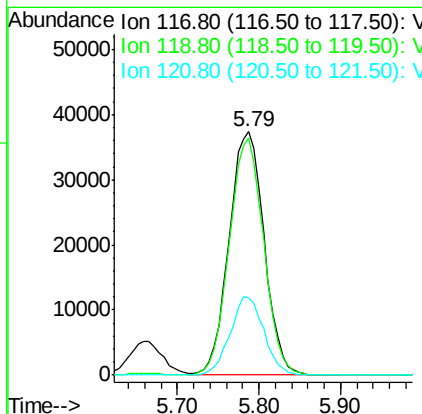
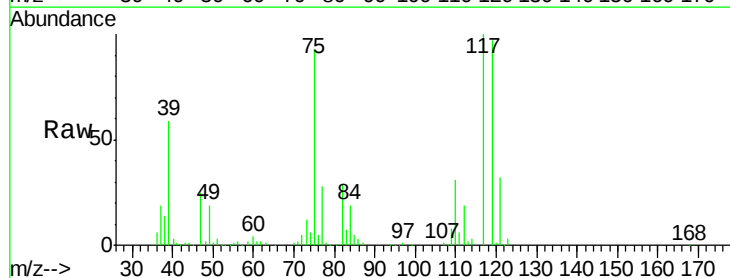
RT: 5.79 min Scan# 760

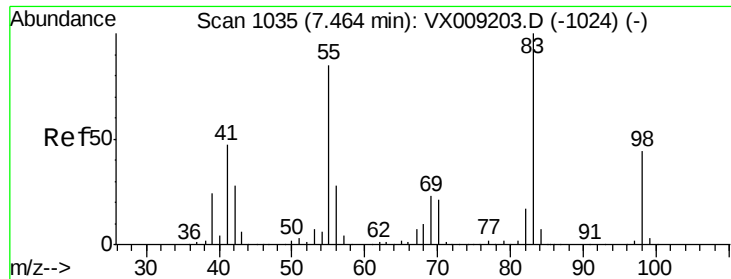
Delta R.T. 0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	117	Resp:	111197
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.5	116.3
121	31.9	24.7	37.1





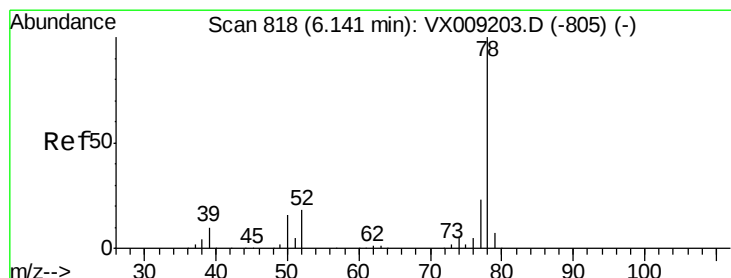
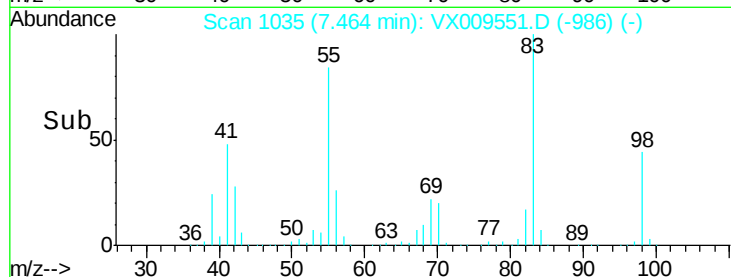
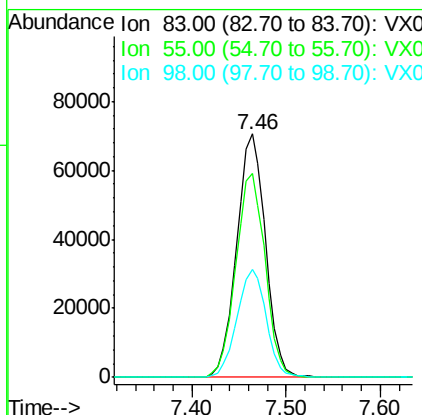
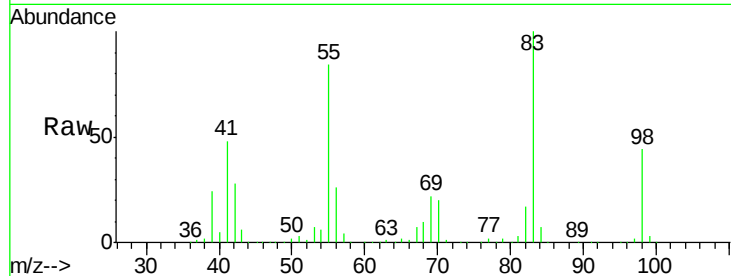
#39
Methvlcvclohexane
Concen: 51.866 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.7	101.5
98	44.2	35.5	53.3

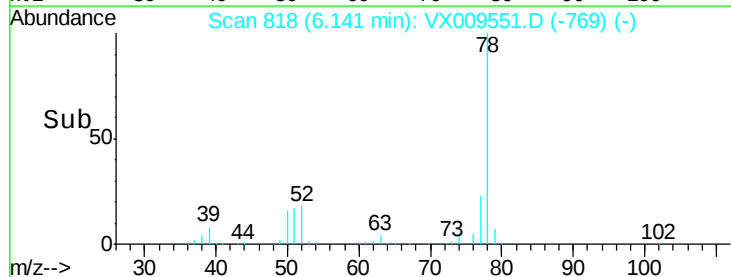
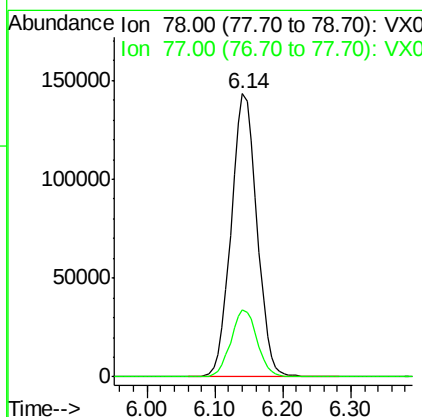
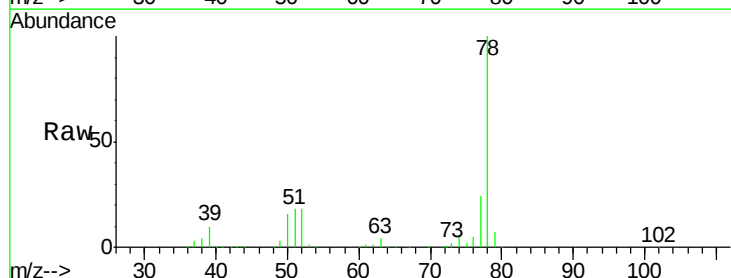
Manual Integrations
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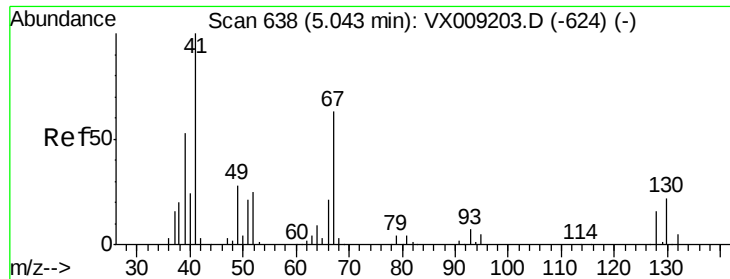
MMDadoda
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#40
Benzene
Concen: 51.514 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 49.978 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

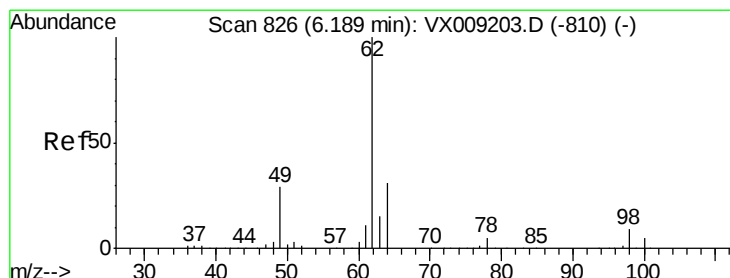
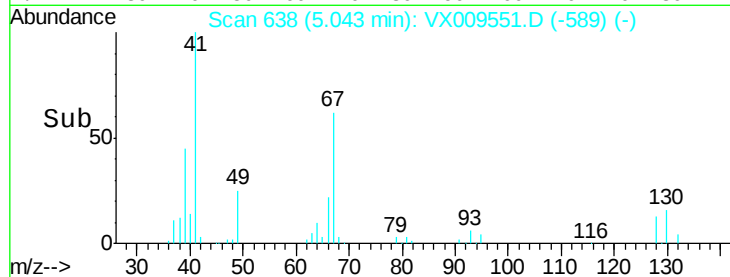
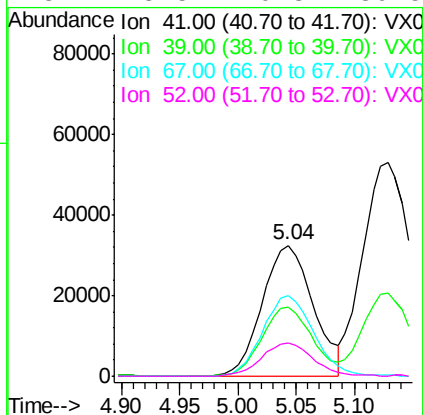
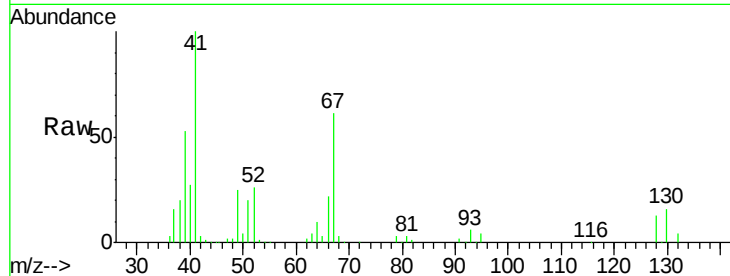
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	98140
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.0	63.0
67	62.0	49.8	74.8
52	25.5	20.3	30.5

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#42

1,2-Dichloroethane

Concen: 51.500 ug/l

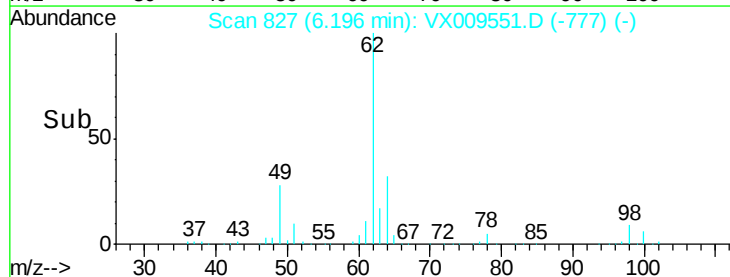
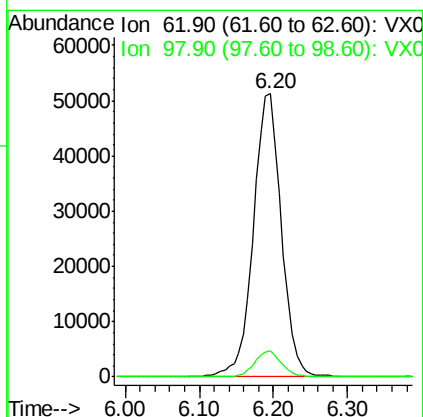
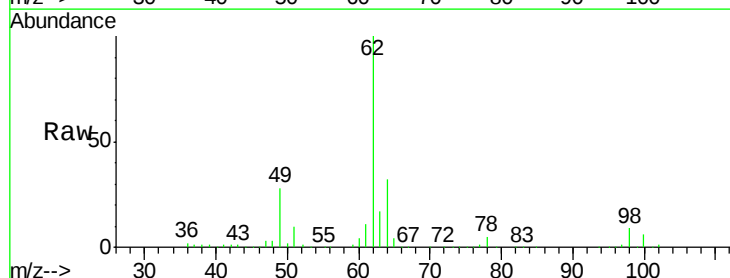
RT: 6.20 min Scan# 827

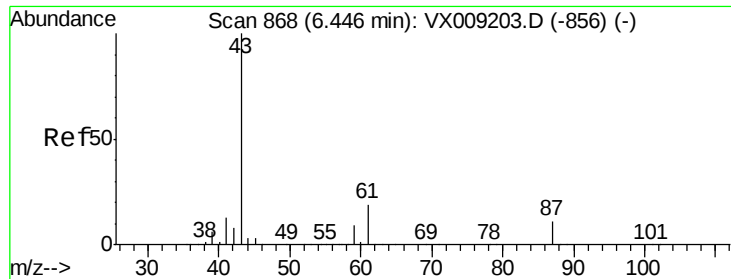
Delta R.T. 0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	62	Resp:	135365
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 51.438 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

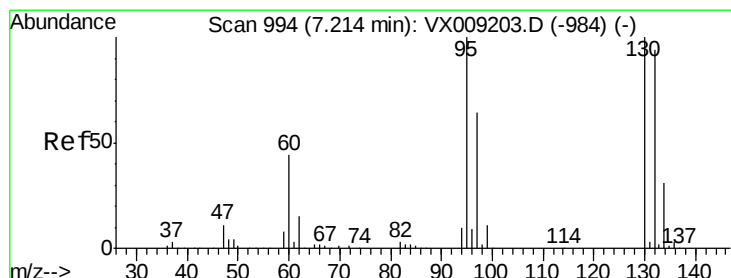
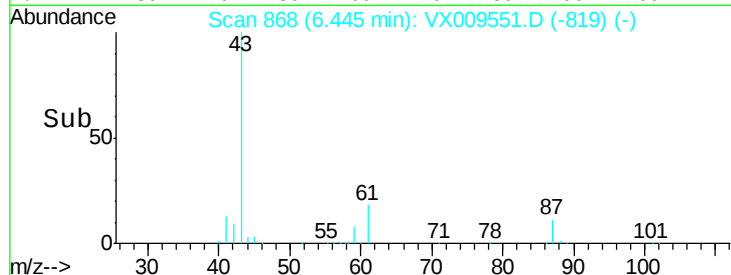
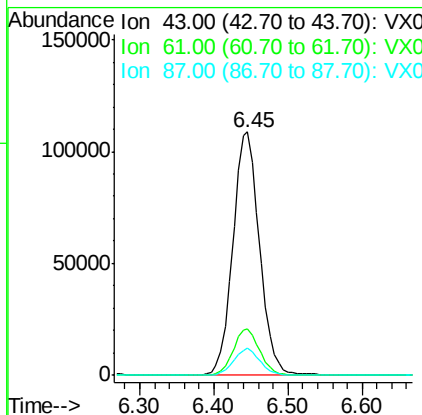
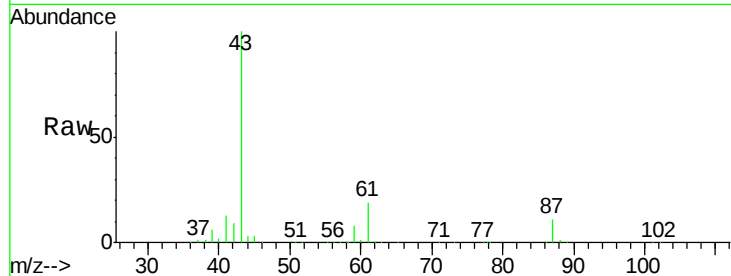
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	271415
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.1	9.0	13.6

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#44

Trichloroethene

Concen: 51.125 ug/l

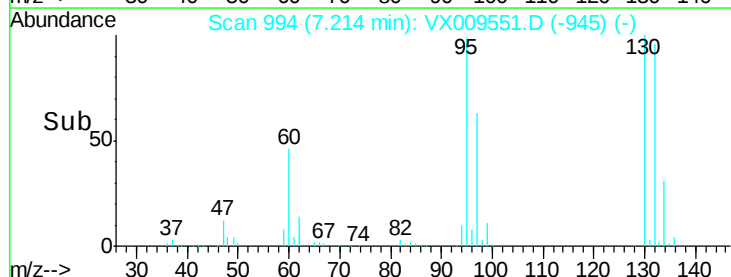
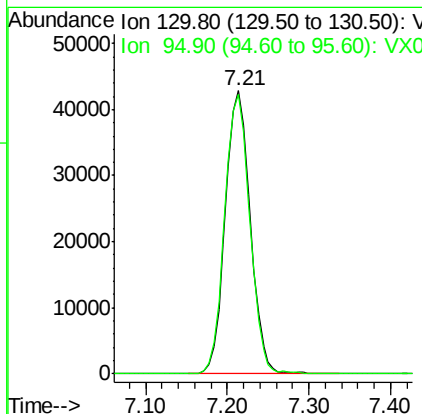
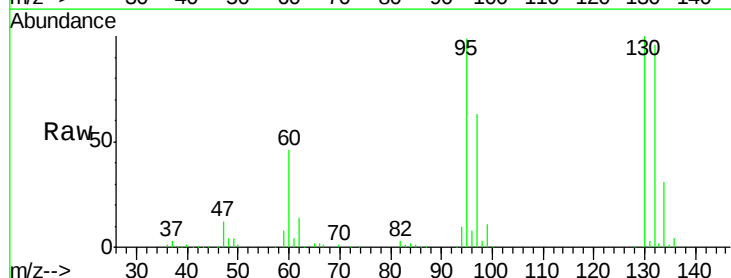
RT: 7.21 min Scan# 994

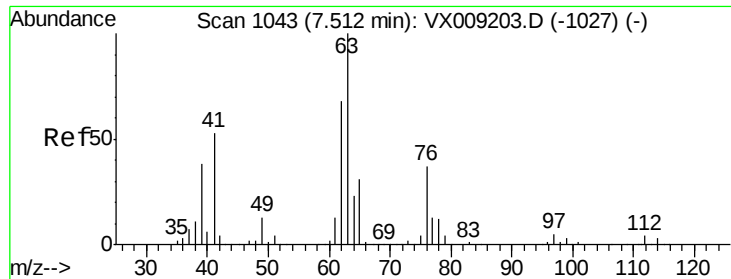
Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	130	Resp:	90563
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	199.2





#45

1,2-Dichloropropane

Concen: 51.252 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 106337

Ion Ratio Lower Upper

63 100

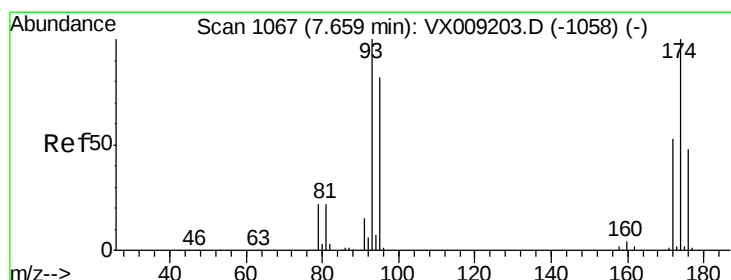
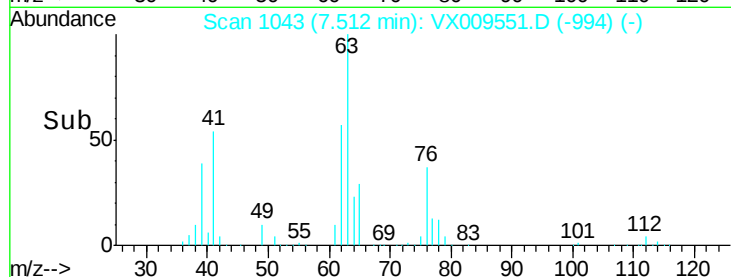
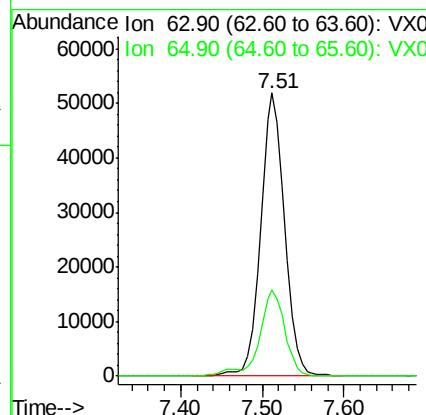
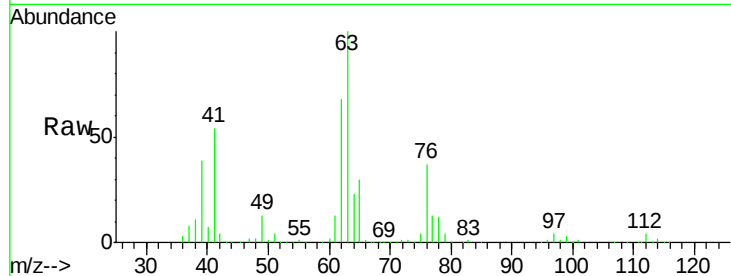
65 30.5 25.0 37.6

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#46

Dibromomethane

Concen: 50.924 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

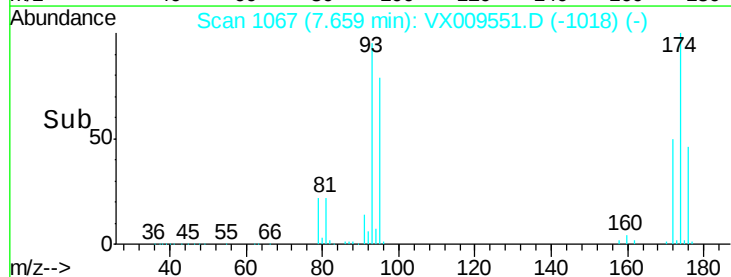
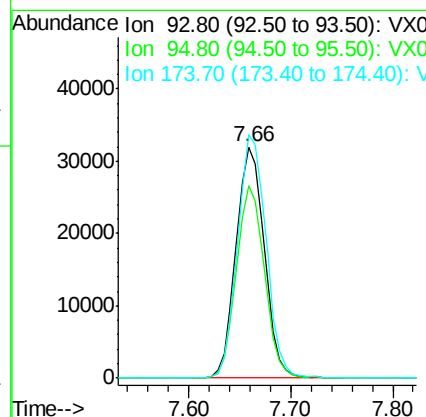
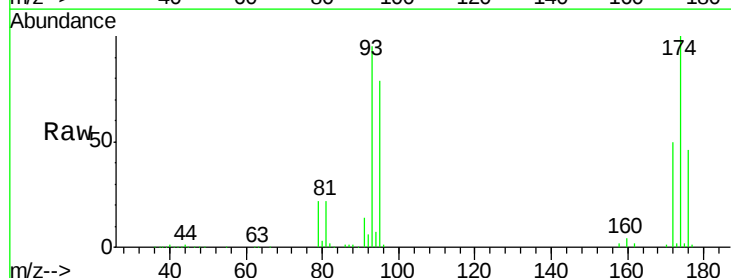
Tgt Ion: 93 Resp: 61356

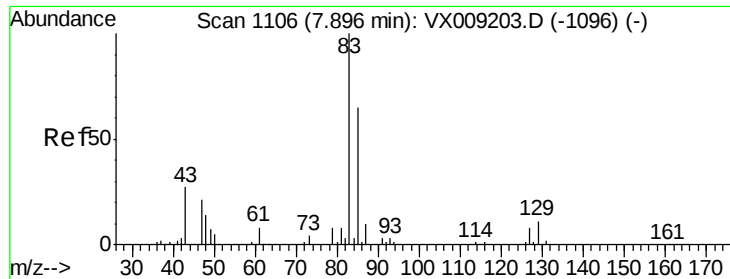
Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 105.9 82.1 123.1





#47

Bromodichloromethane

Concen: 51.649 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 124132

Ion Ratio Lower Upper

83 100

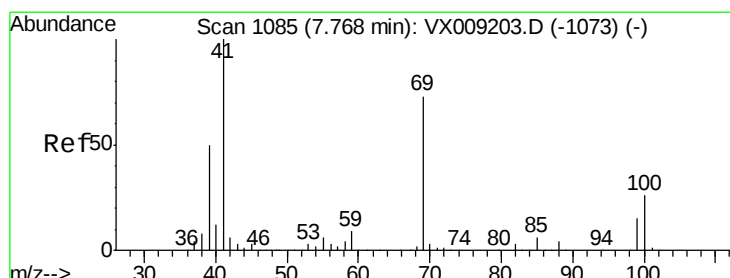
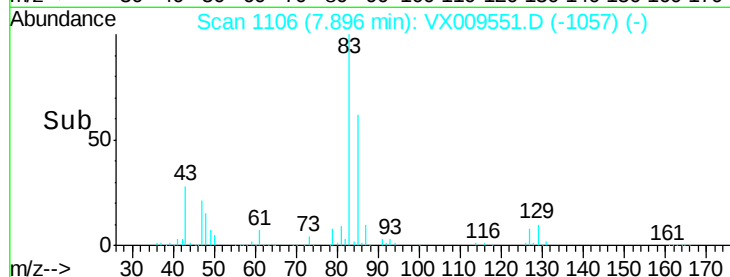
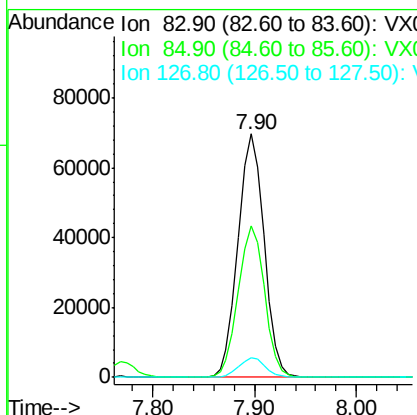
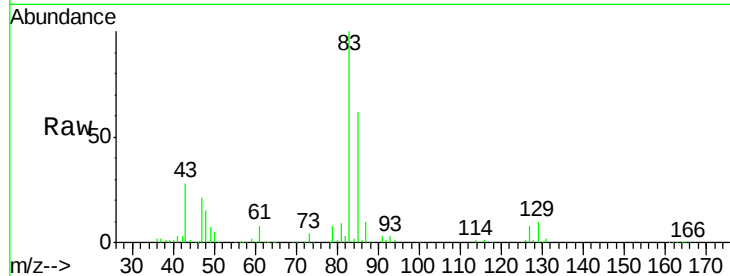
85 62.1 52.4 78.6

127 8.0 6.6 10.0

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#48

Methyl methacrylate

Concen: 52.108 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

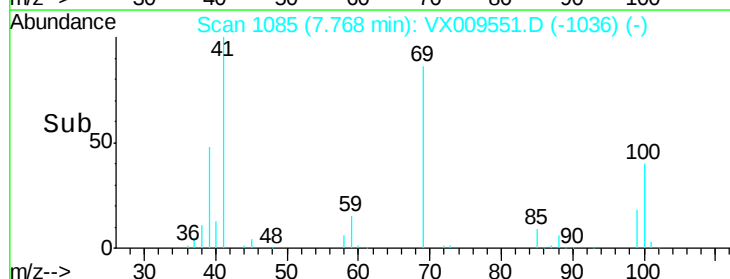
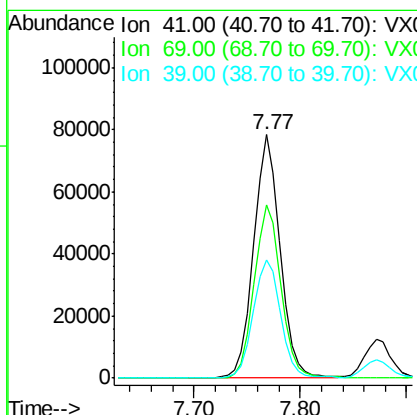
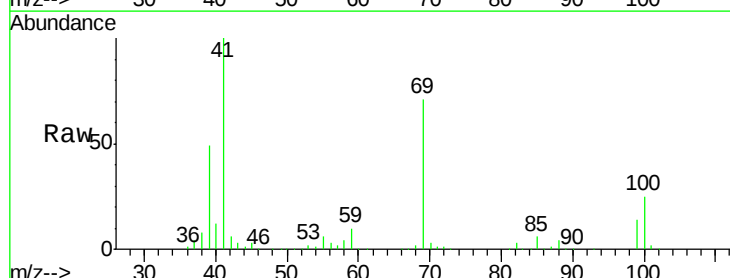
Tgt Ion: 41 Resp: 136409

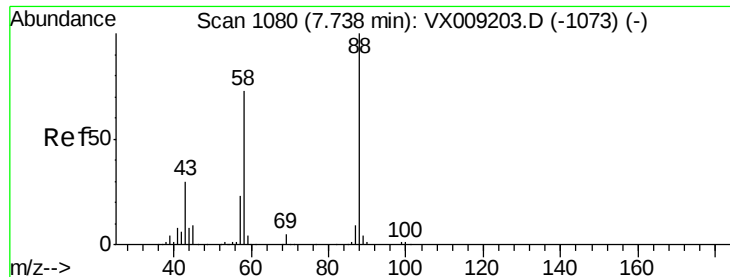
Ion Ratio Lower Upper

41 100

69 72.6 59.1 88.7

39 51.0 40.4 60.6





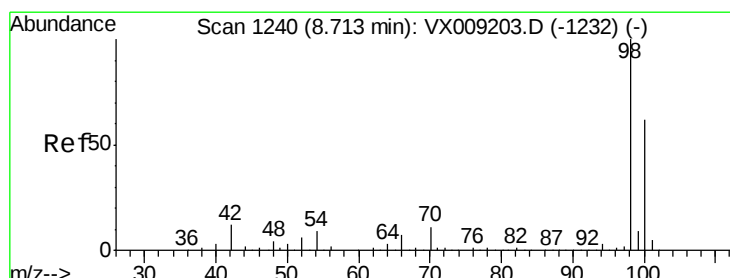
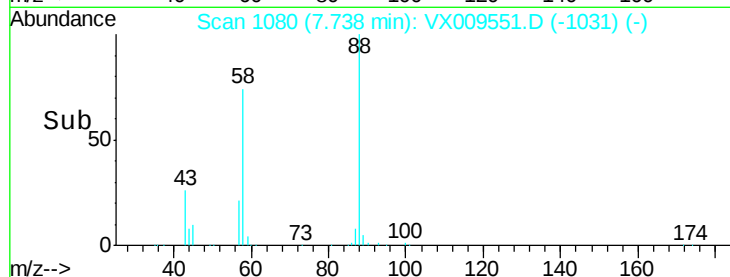
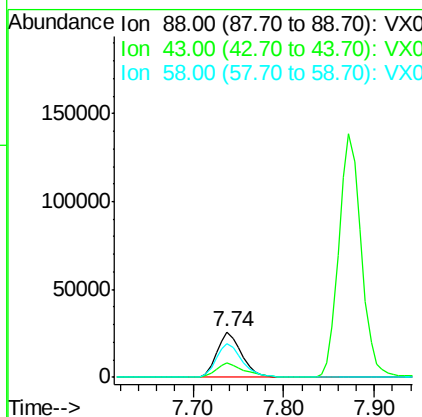
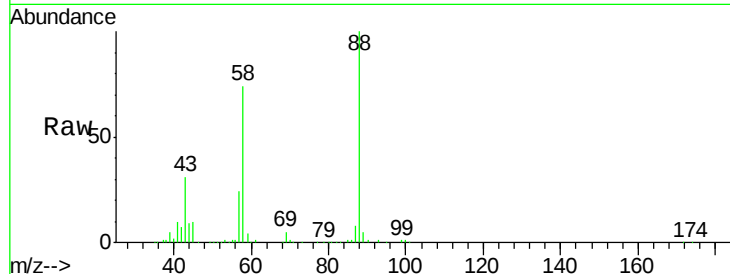
#49
1,4-Dioxane
Concen: 926.609 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	42.8
58	78.0	61.7	92.5

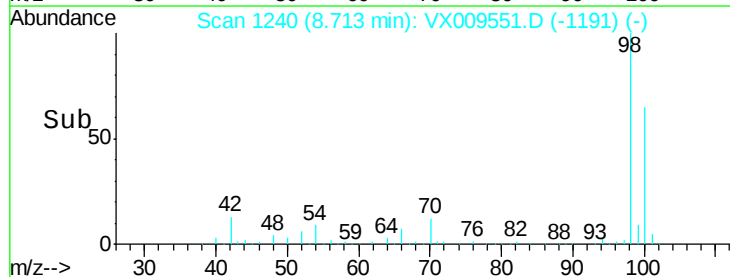
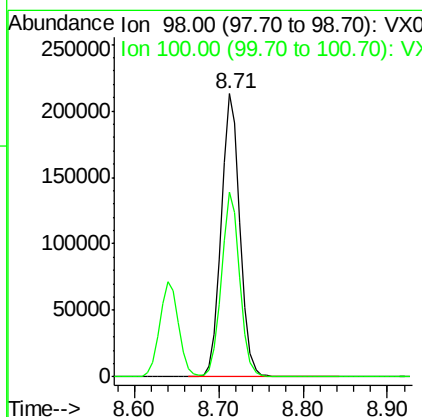
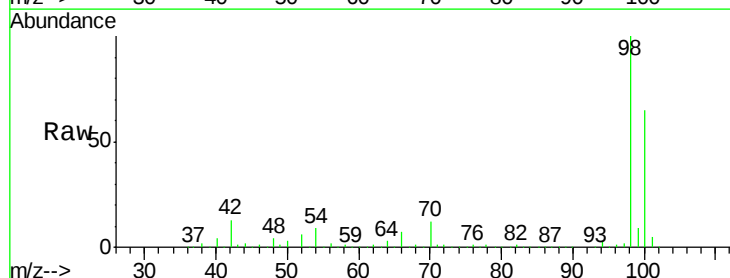
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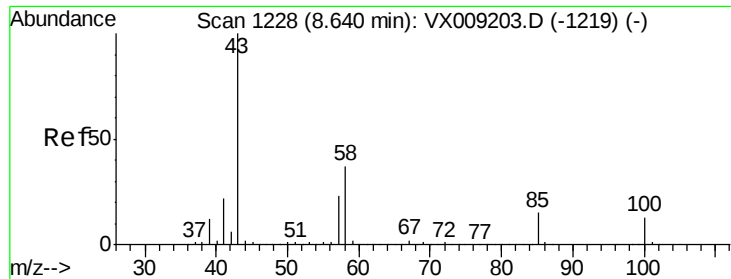
MMDadoda
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#50
Toluene-d8
Concen: 50.470 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 259.289 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 894256

Ion Ratio Lower Upper

43 100

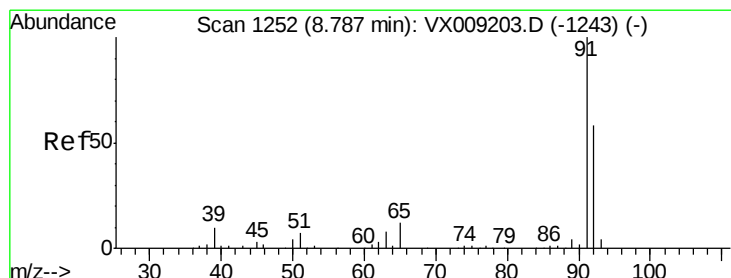
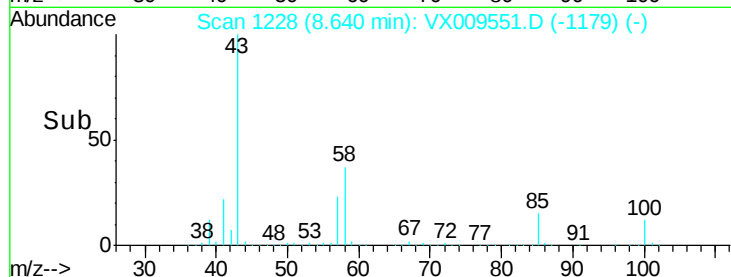
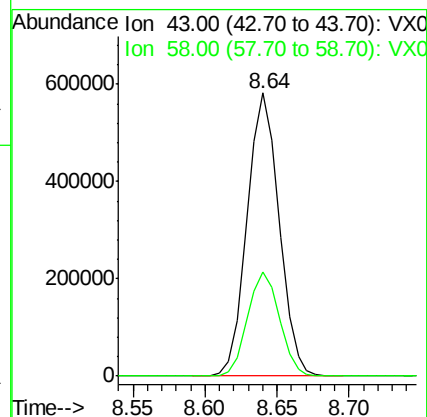
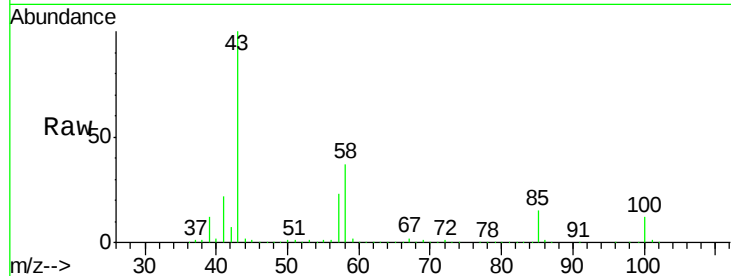
58 37.0 29.5 44.3

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#52

Toluene

Concen: 51.809 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009551.D

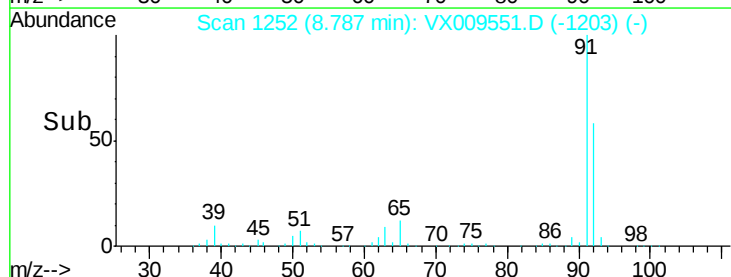
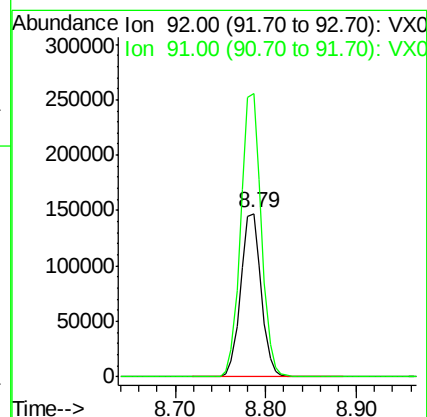
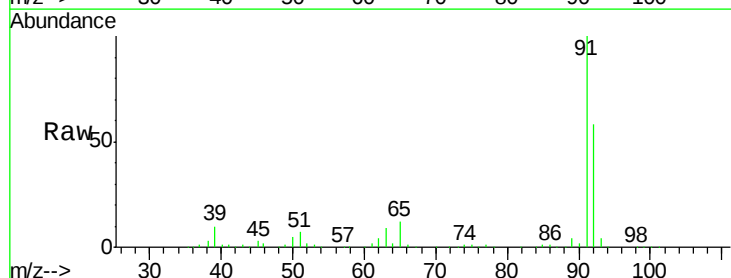
Acq: 13 May 2019 18:14

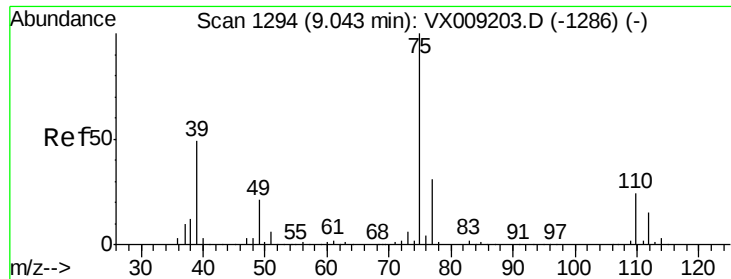
Tgt Ion: 92 Resp: 230761

Ion Ratio Lower Upper

92 100

91 173.2 138.8 208.2





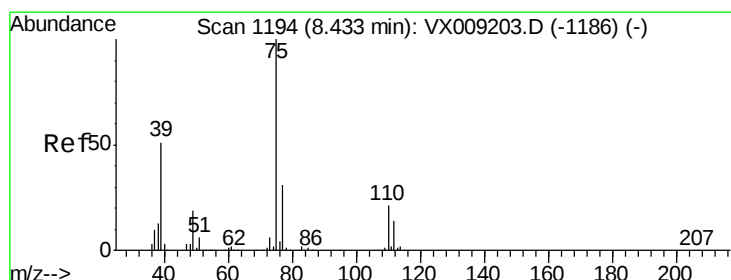
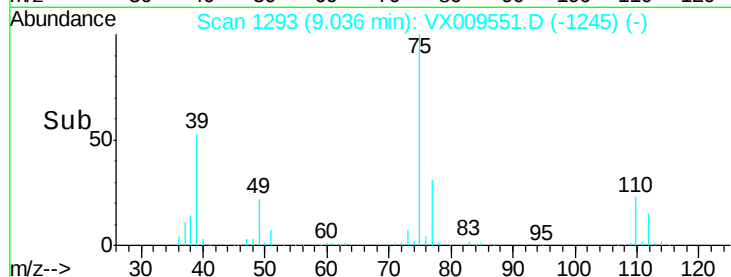
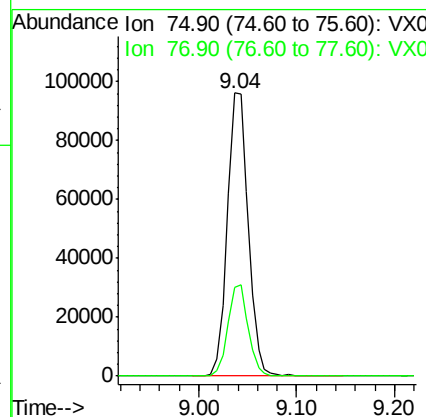
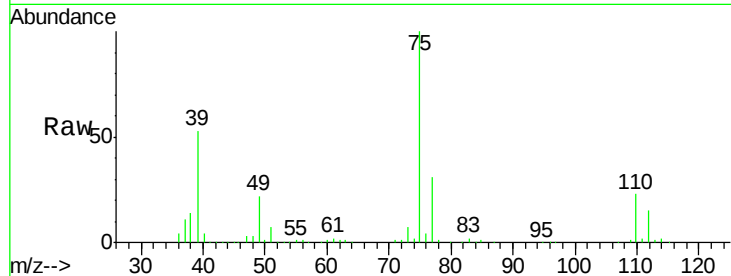
#53
t-1,3-Dichloropropene
Concen: 52.586 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 142687
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

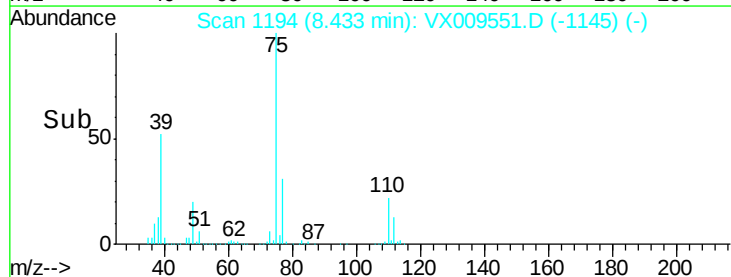
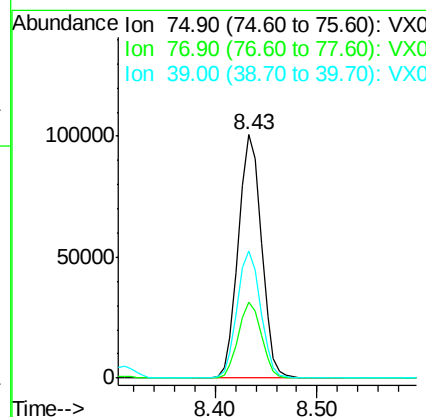
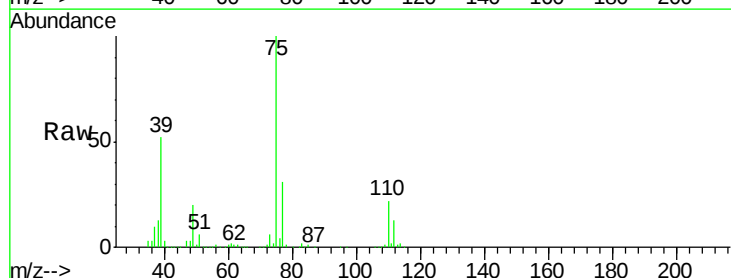
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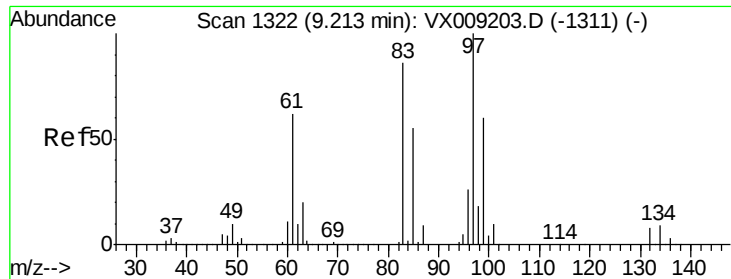
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#54
cis-1,3-Dichloropropene
Concen: 52.714 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 75 Resp: 158320
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 52.2 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 51.132 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

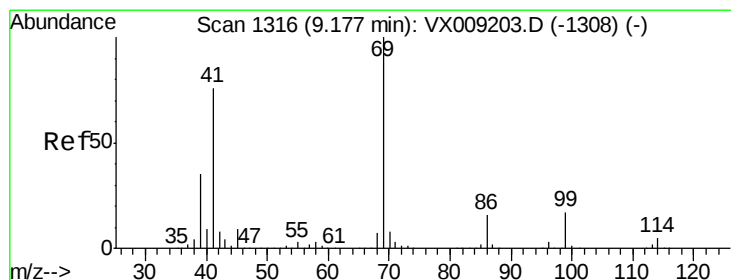
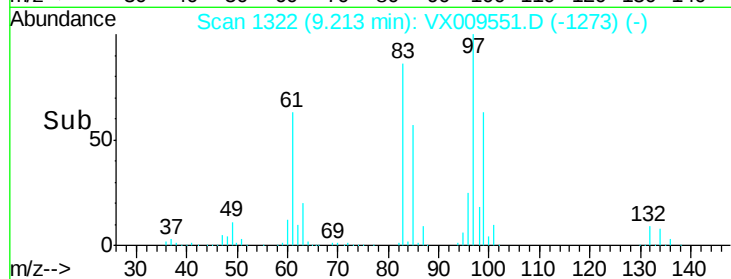
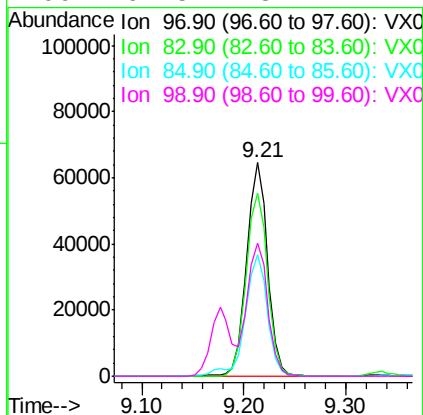
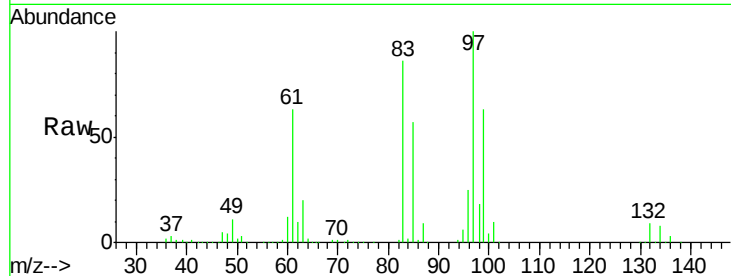
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	92914
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	57.1	43.8	65.6
99	62.5	48.2	72.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.422 ug/l

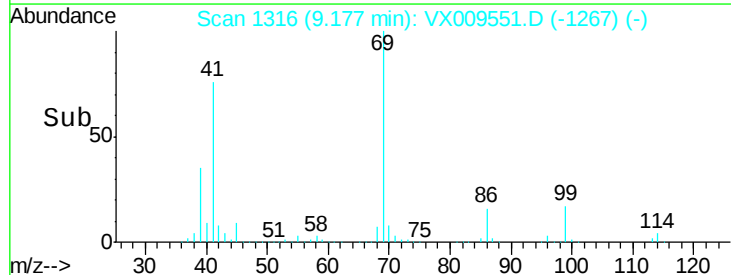
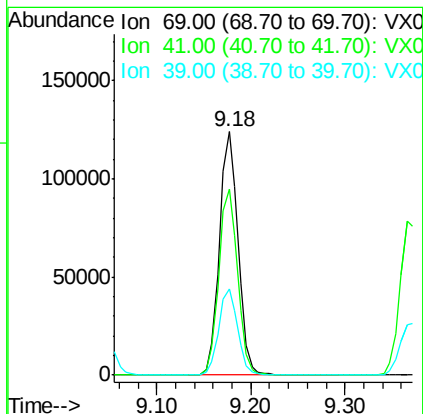
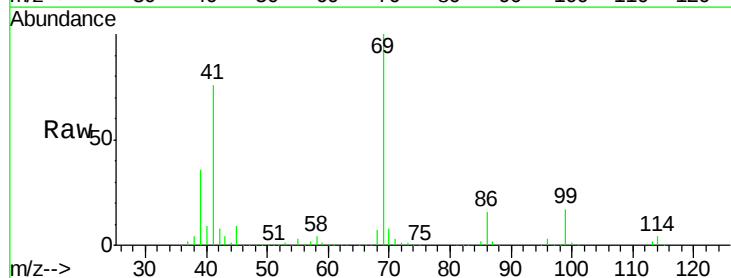
RT: 9.18 min Scan# 1316

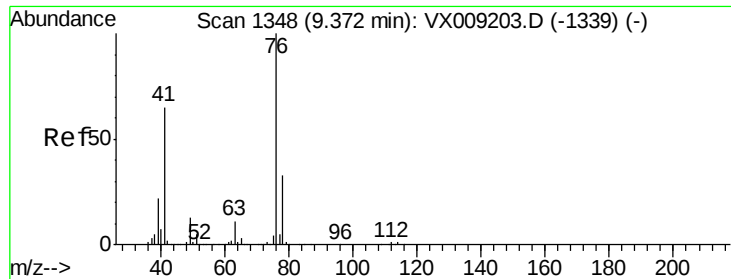
Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	69	Resp:	170040
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.6	90.8
39	35.7	28.2	42.4





#57

1,3-Dichloropropane

Concen: 51.521 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 164750

Ion Ratio Lower Upper

76 100

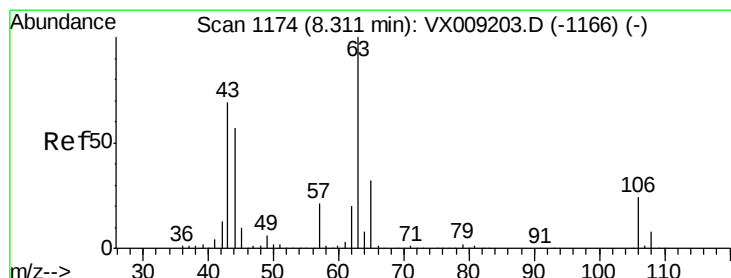
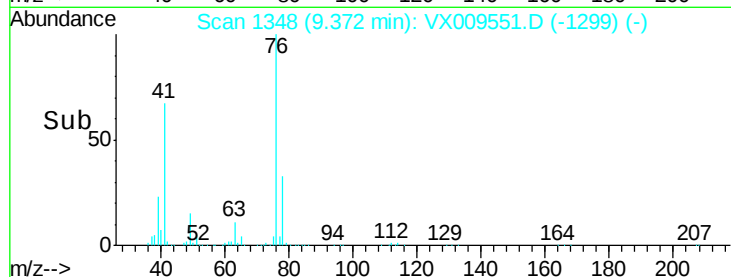
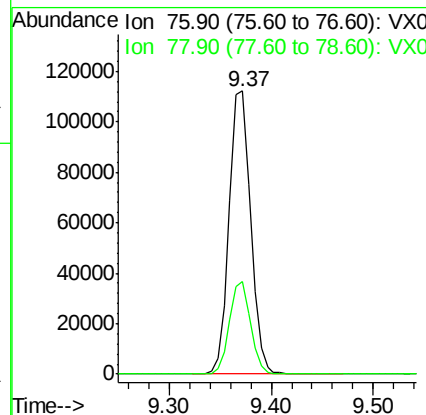
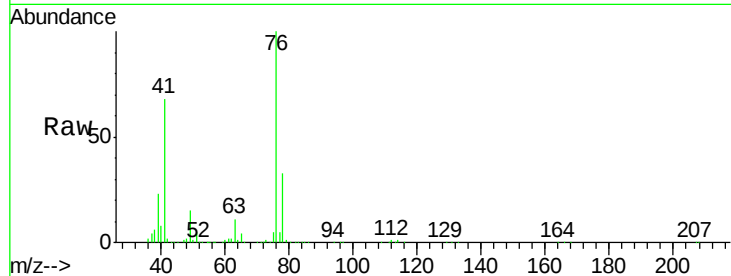
78 32.0 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 226.585 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009551.D

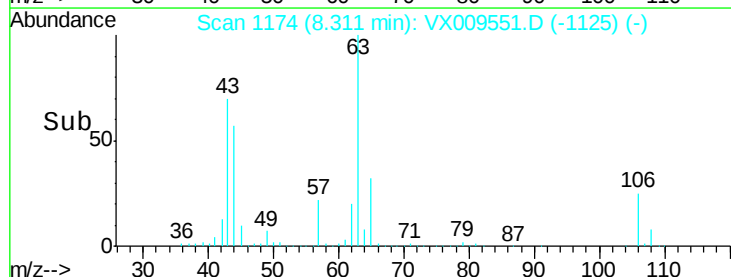
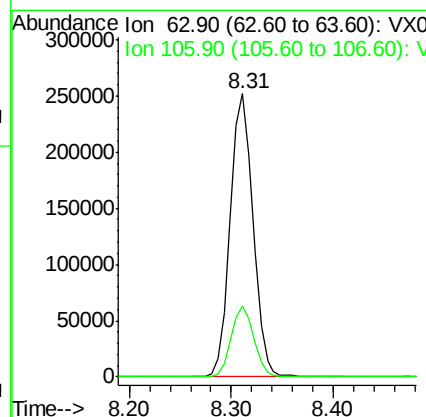
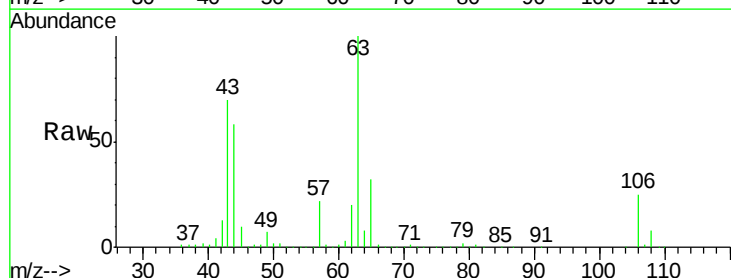
Acq: 13 May 2019 18:14

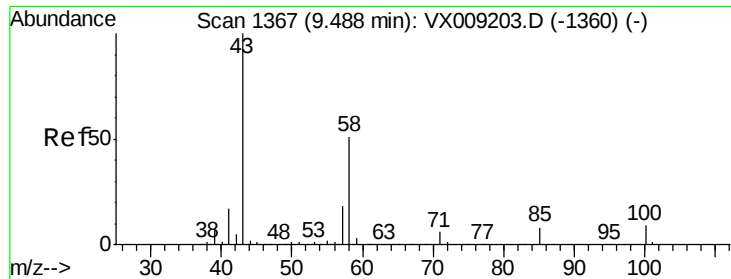
Tgt Ion: 63 Resp: 389900

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





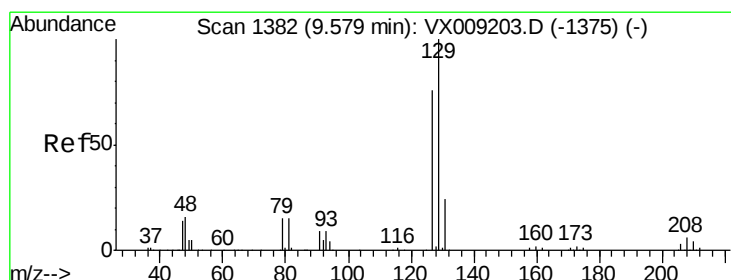
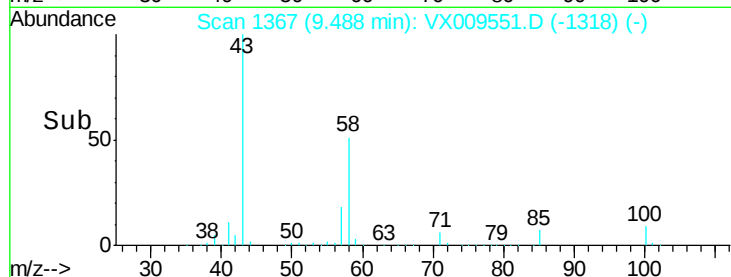
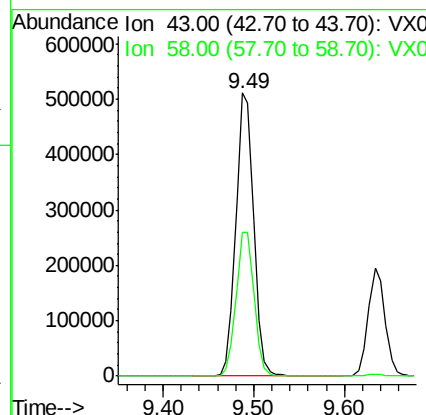
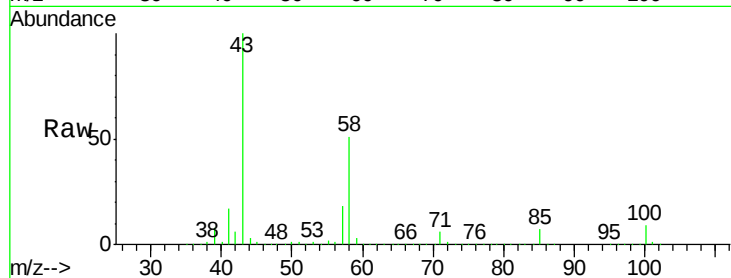
#59
2-Hexanone
Concen: 256.453 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 694655
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

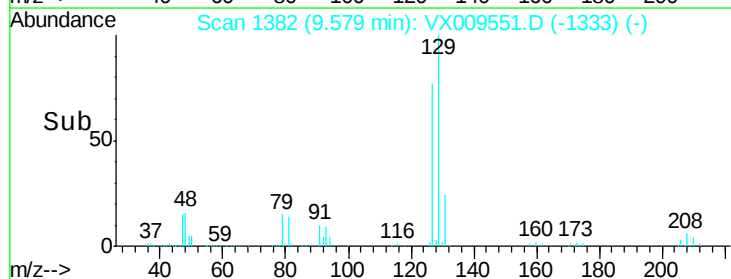
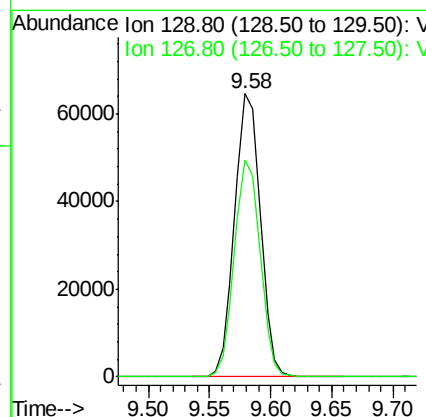
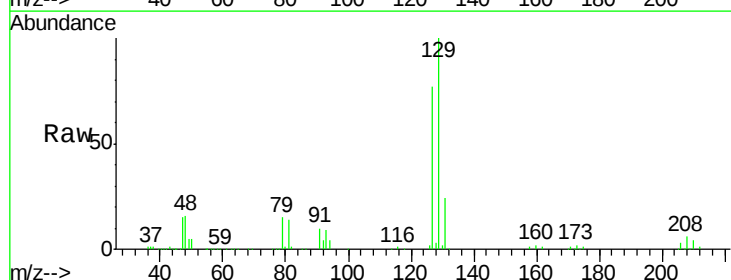
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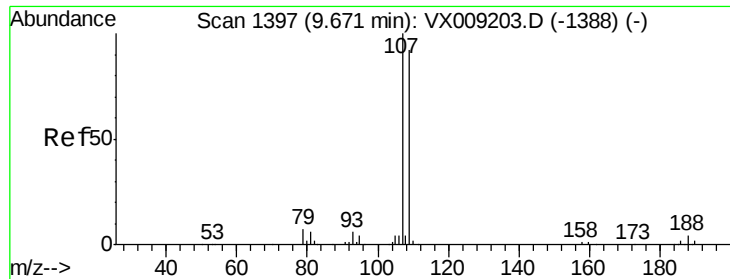
MMDadoda
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#60
Dibromochloromethane
Concen: 53.274 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 129 Resp: 94549
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.844 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 95096

Ion Ratio Lower Upper

107 100

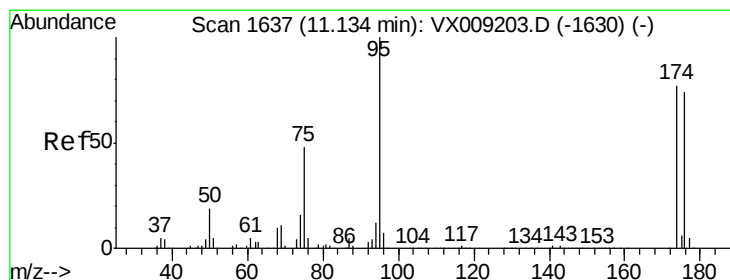
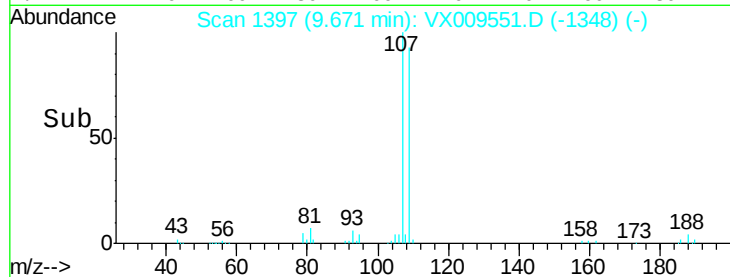
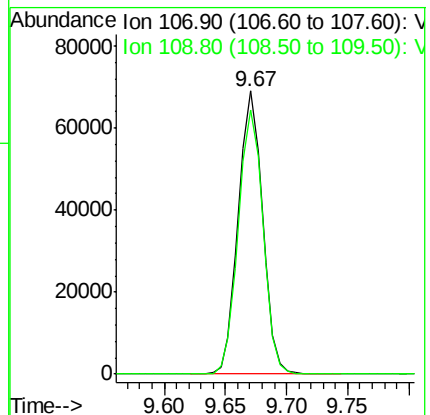
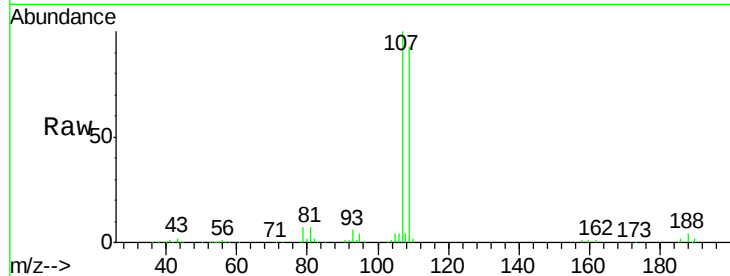
109 94.7 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 51.402 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

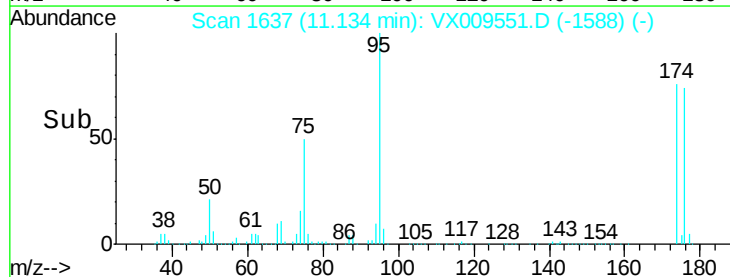
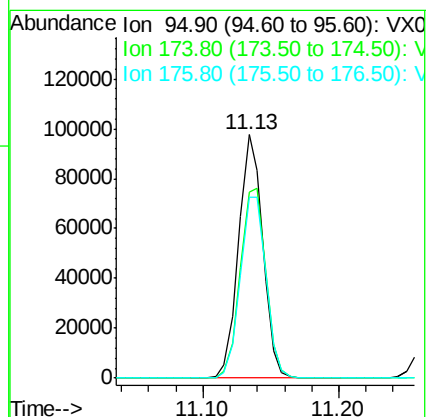
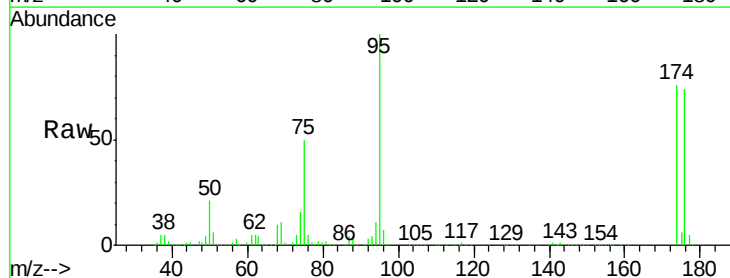
Tgt Ion: 95 Resp: 120768

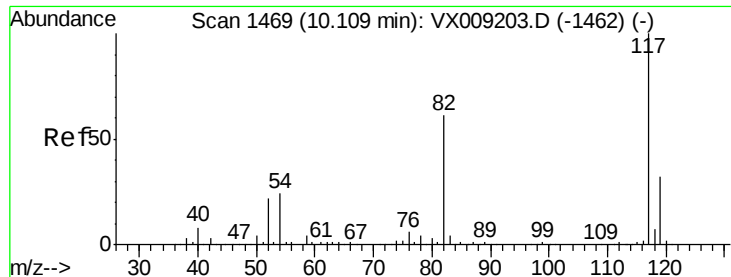
Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.6 0.0 159.2





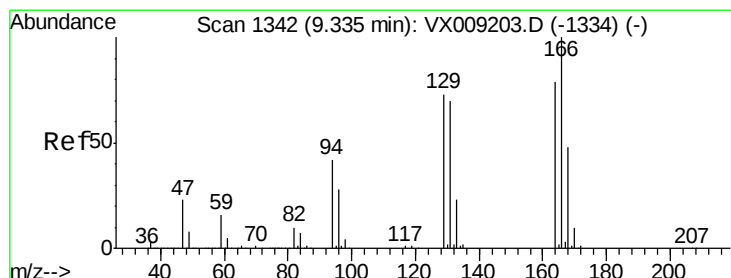
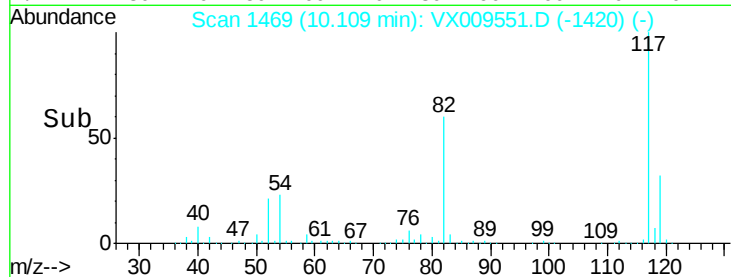
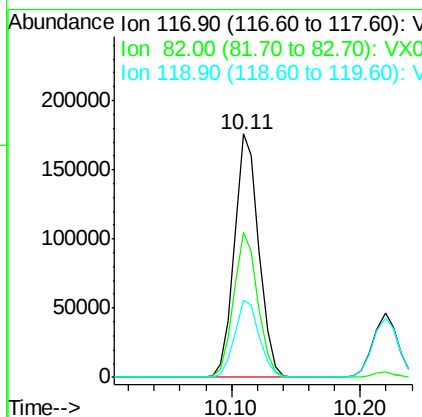
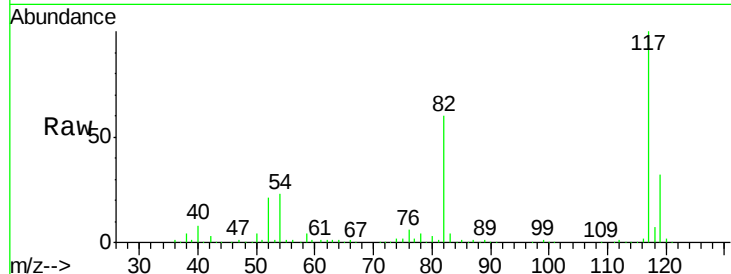
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.8	73.2
119	31.9	25.8	38.6

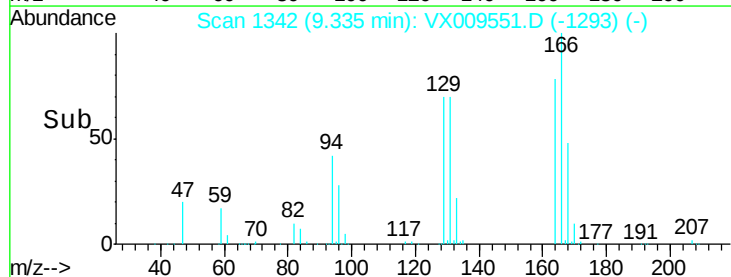
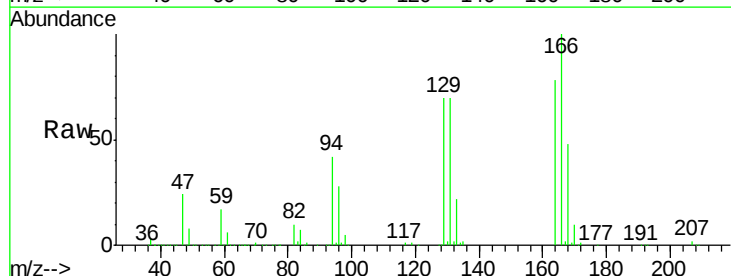
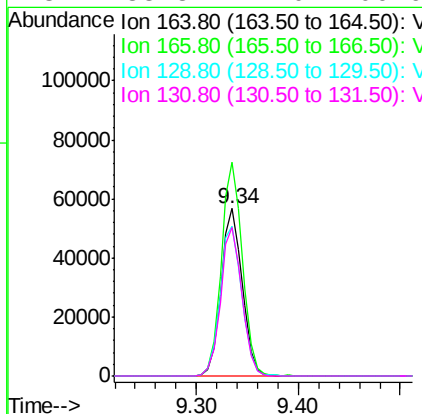
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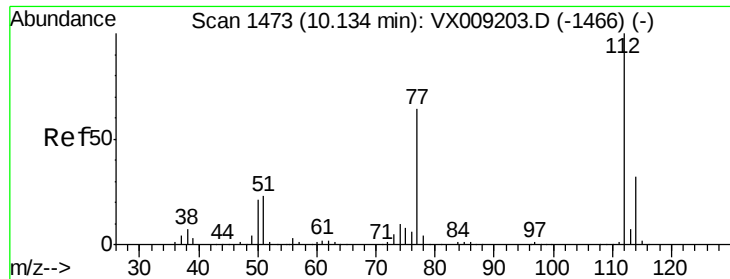
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#64
Tetrachloroethene
Concen: 51.223 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.2	151.8
129	89.7	74.3	111.5
131	88.8	71.0	106.6





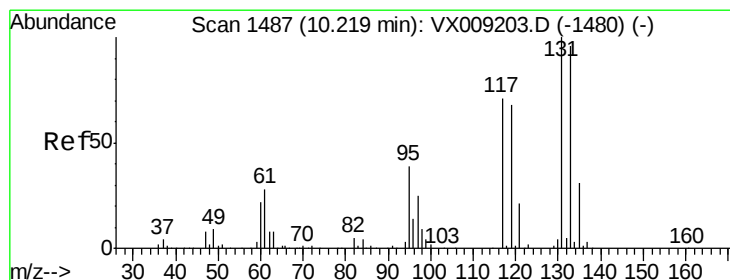
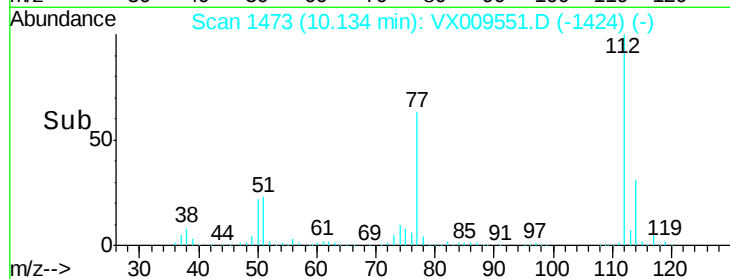
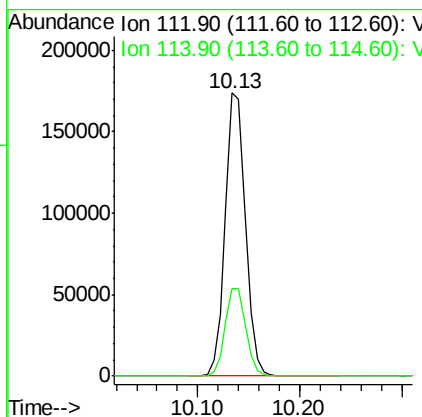
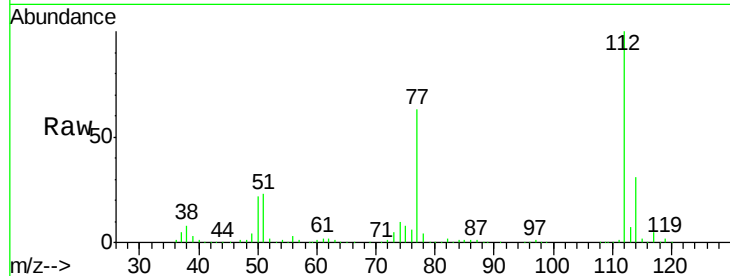
#65
Chlorobenzene
Concen: 51.323 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 238638
Ion Ratio Lower Upper
112 100
114 31.1 25.5 38.3

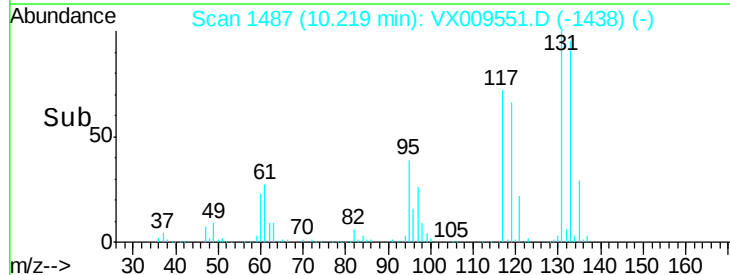
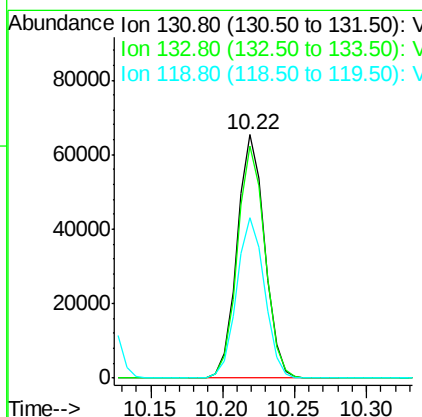
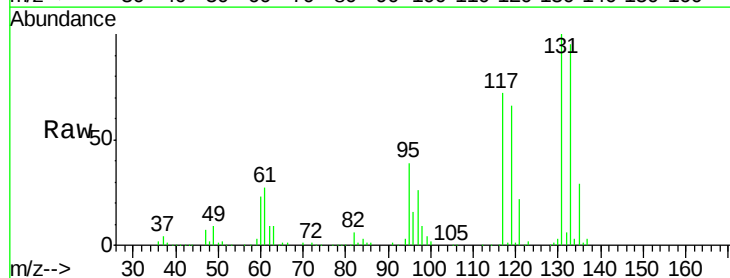
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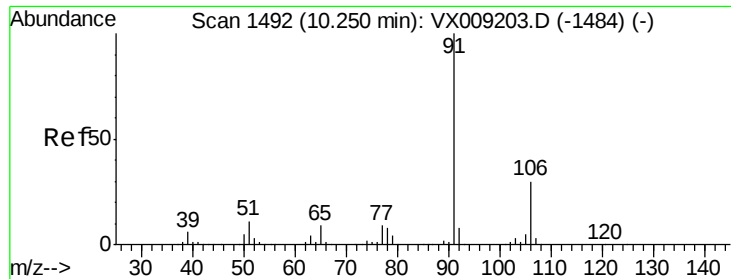
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.490 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion:131 Resp: 86797
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.1 33.5 100.4





#67

Ethyl Benzene

Concen: 51.862 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 443797

Ion Ratio Lower Upper

91 100

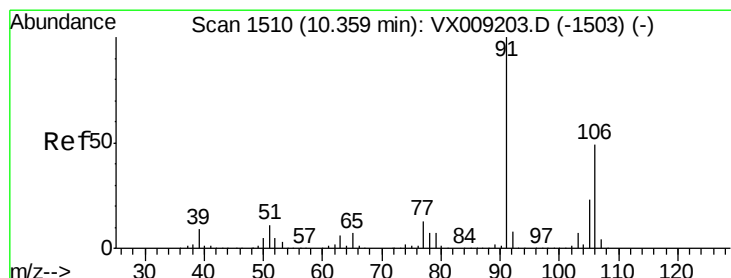
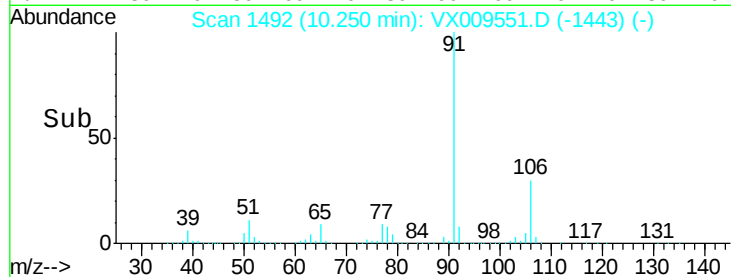
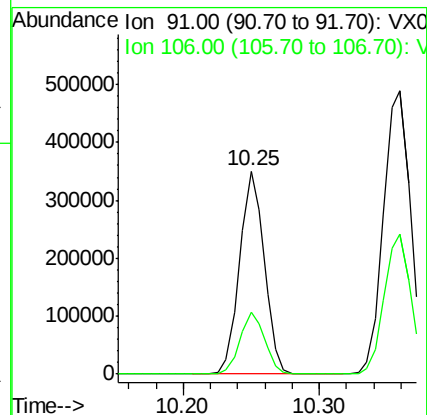
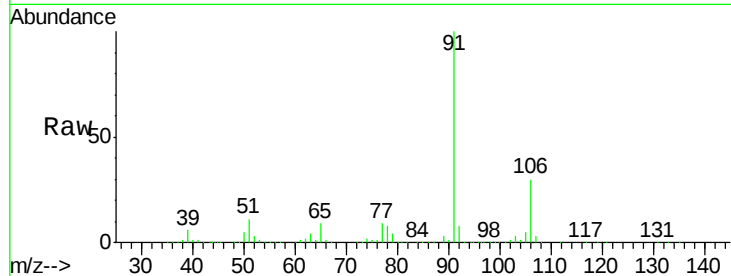
106 30.5 24.0 36.0

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#68

m/p-Xylenes

Concen: 104.558 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009551.D

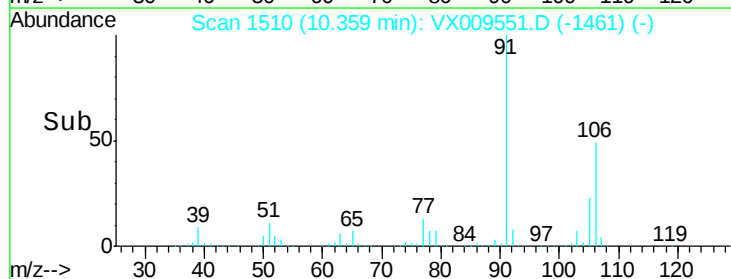
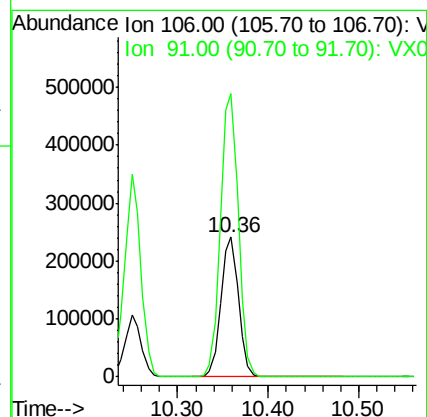
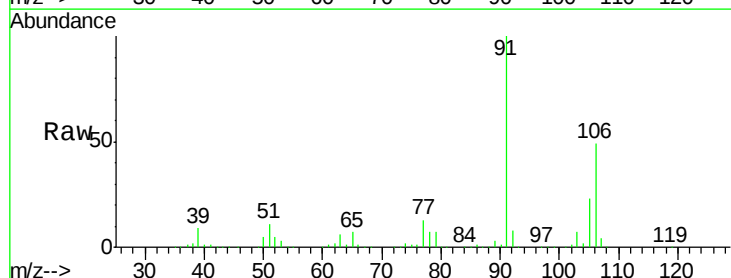
Acq: 13 May 2019 18:14

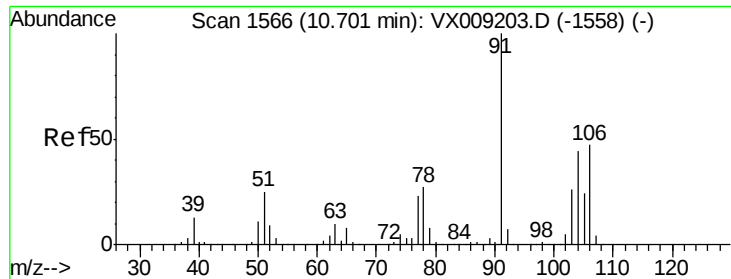
Tgt Ion: 106 Resp: 326962

Ion Ratio Lower Upper

106 100

91 207.2 164.0 246.0





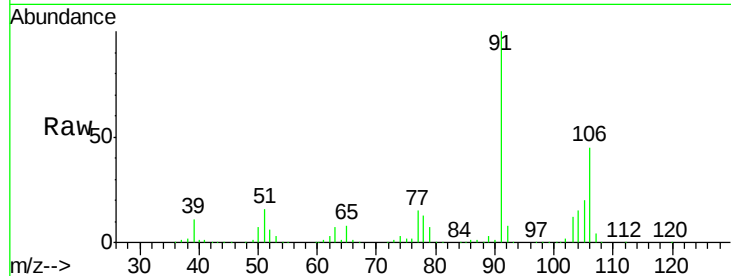
#69
o-Xylene
Concen: 51.826 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

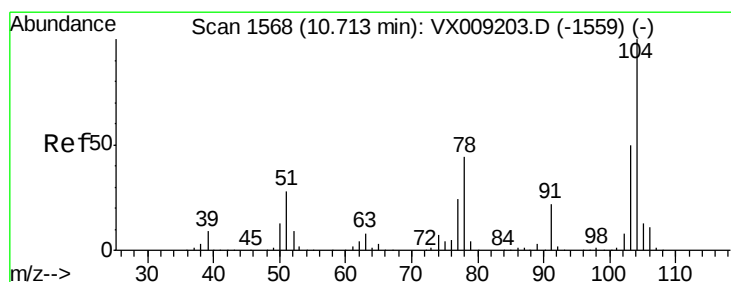
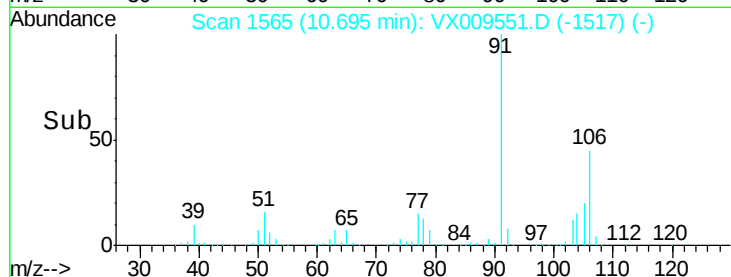
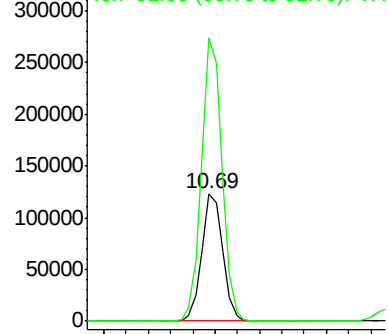
Tot Ion:106 Resp: 159902
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4

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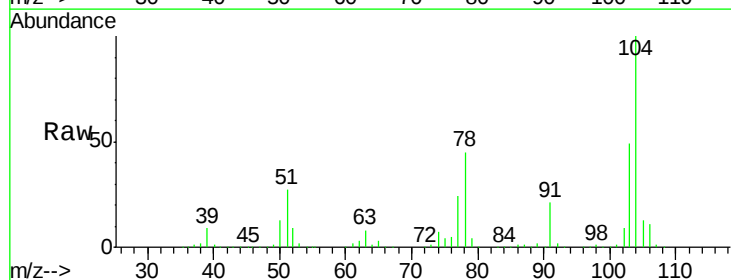


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

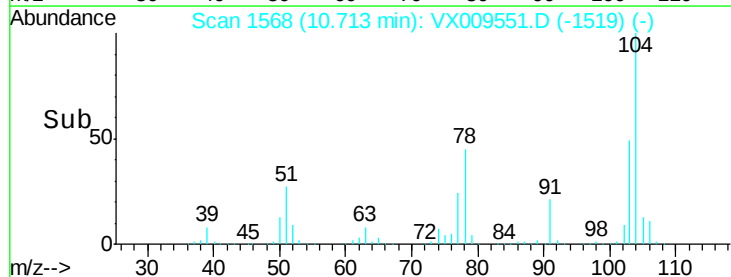
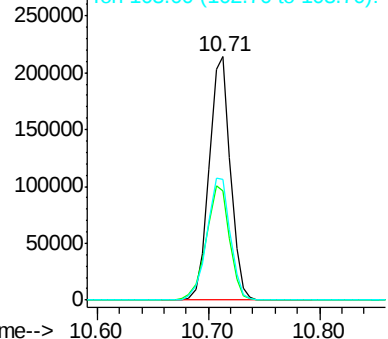


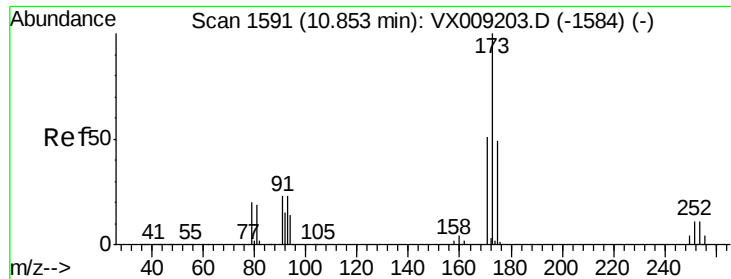
#70
Styrene
Concen: 52.551 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion:104 Resp: 281809
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.1 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.471 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73250

Ion Ratio Lower Upper

173 100

175 47.1 24.5 73.5

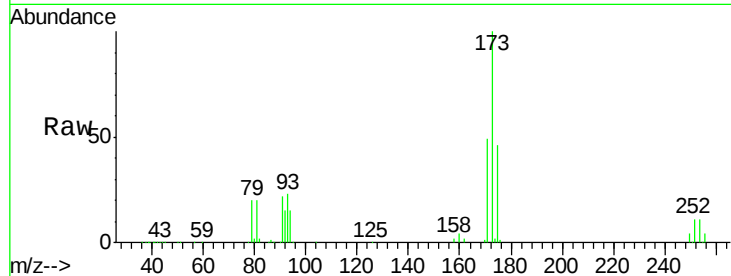
254 0.2 0.1 0.1#

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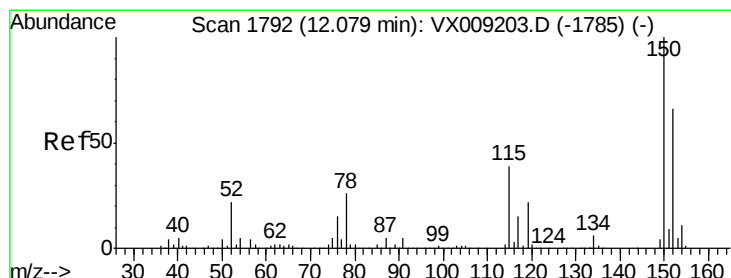
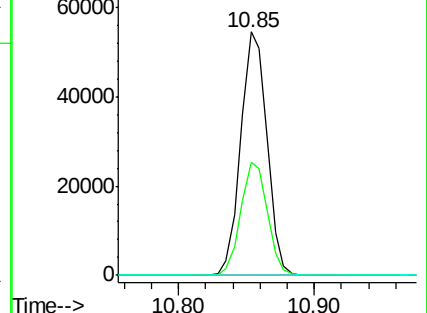
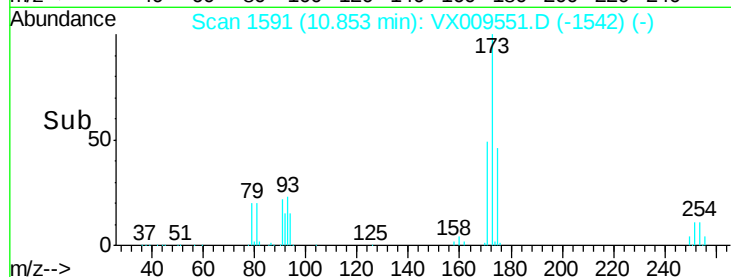
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

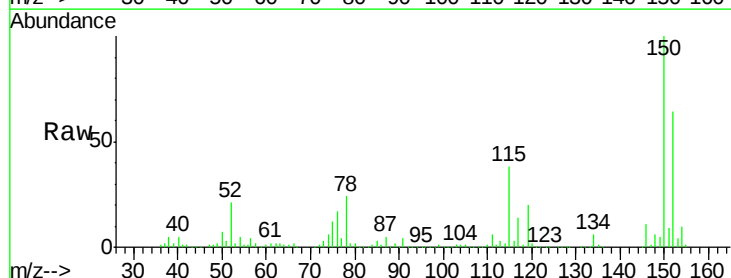
Tgt Ion:152 Resp: 116848

Ion Ratio Lower Upper

152 100

115 81.8 41.2 123.6

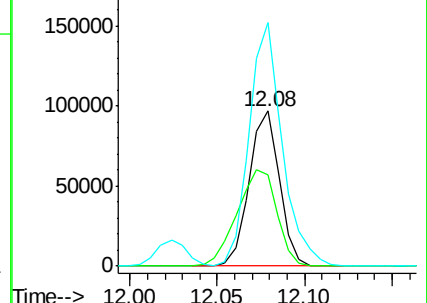
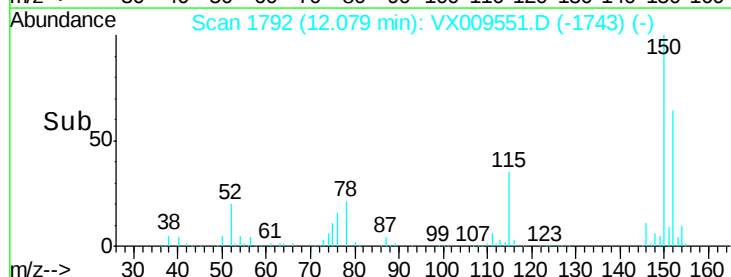
150 171.5 0.0 346.4

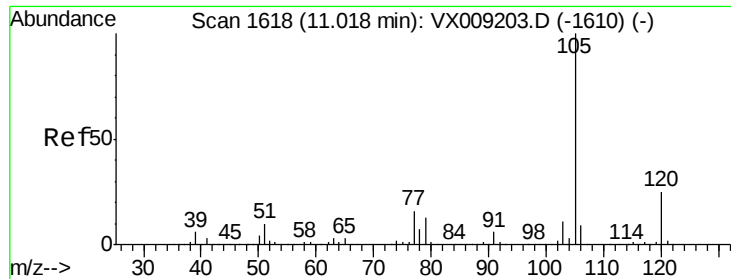


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.927 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 424232

Ion Ratio Lower Upper

105 100

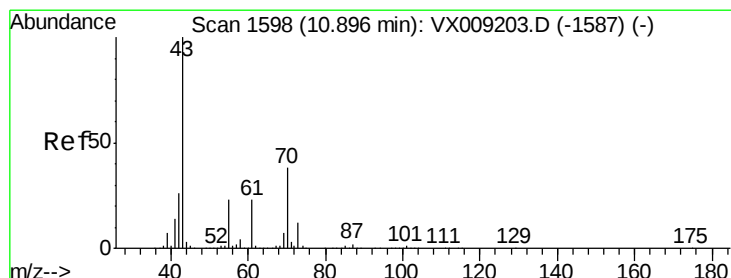
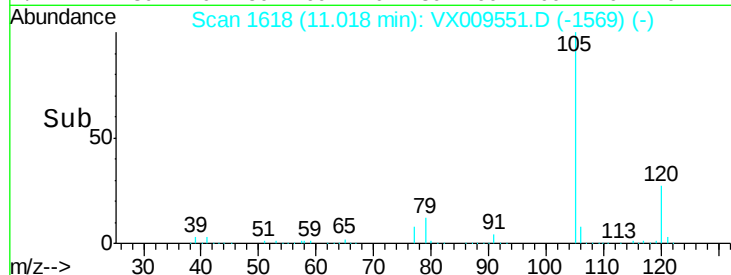
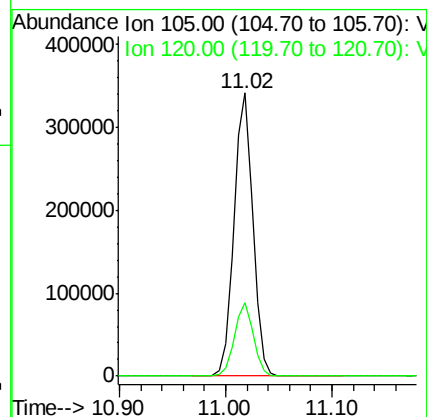
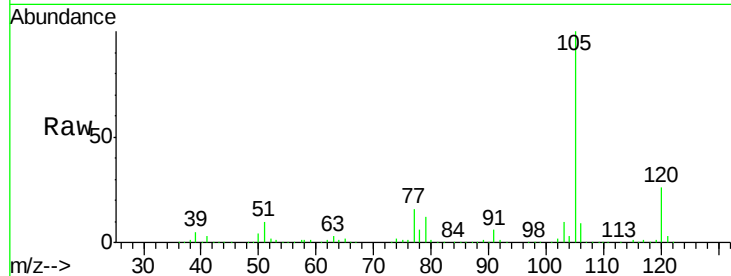
120 26.0 12.8 38.3

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#74

N-ethyl acetate

Concen: 50.323 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion: 43 Resp: 249294

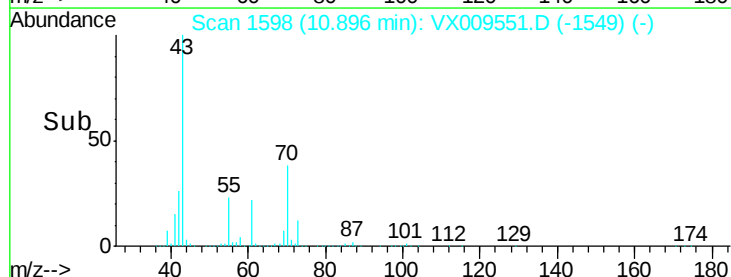
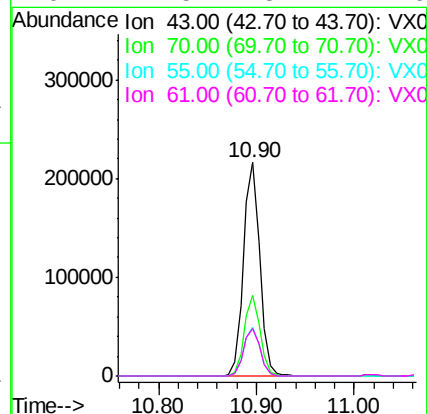
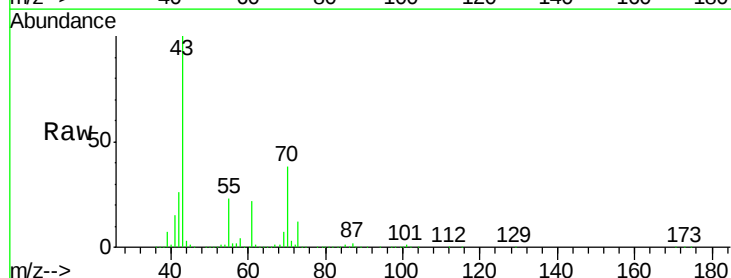
Ion Ratio Lower Upper

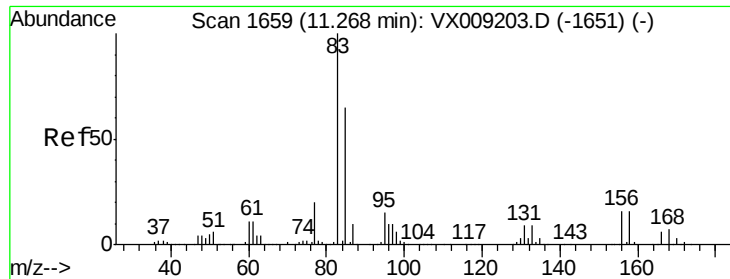
43 100

70 36.8 30.0 45.0

55 23.0 17.9 26.9

61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.187 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

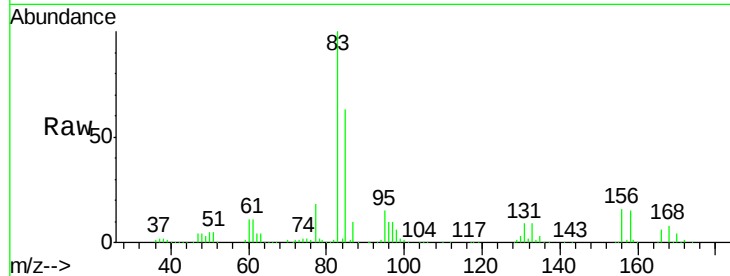
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155804
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.6	32.0	96.2

Manual Integrations
APPROVED

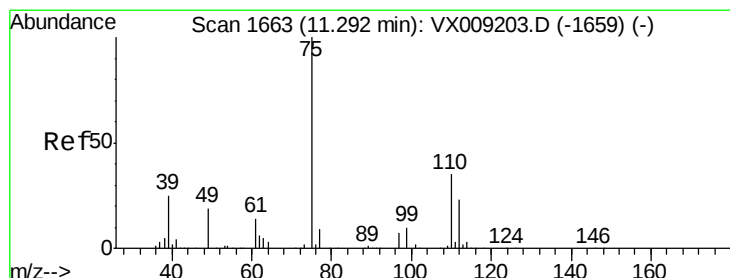
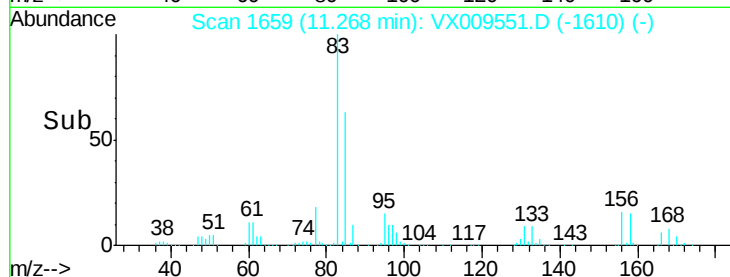
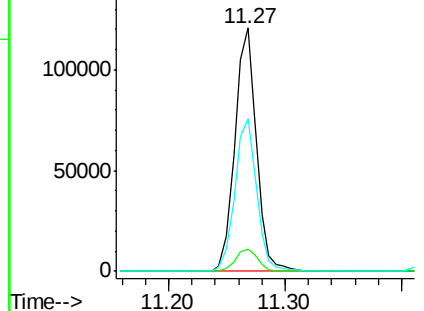
MMDadoda
5/14/2019 12:16:03 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.455 ug/l m

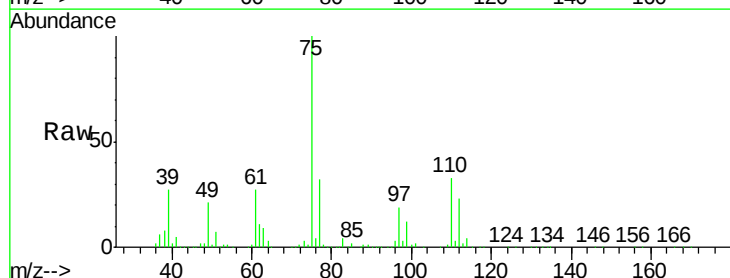
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009551.D

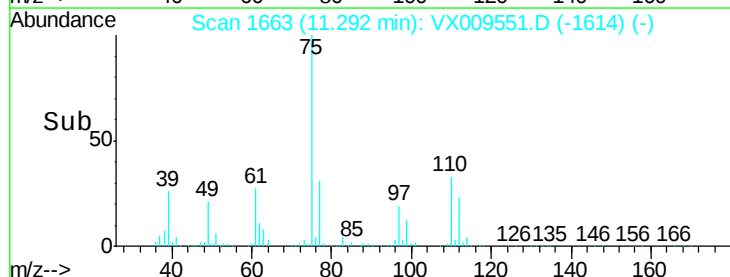
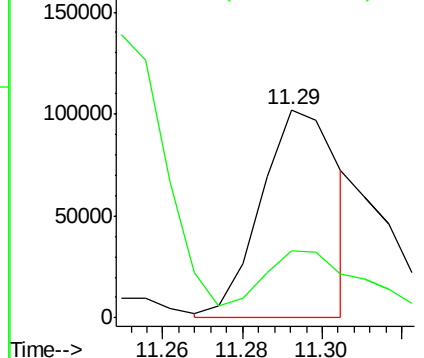
Acq: 13 May 2019 18:14

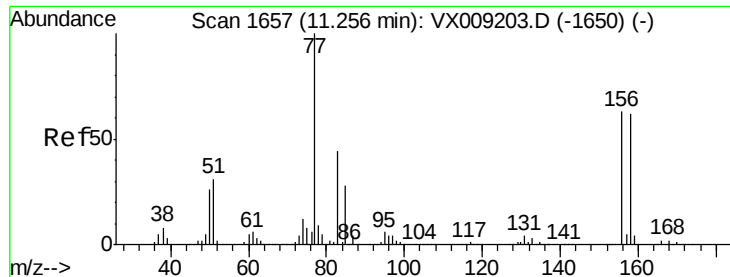
Tgt Ion:	75	Resp:	136756
Ion Ratio	Lower	Upper	
75	100		
77	43.0	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.420 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

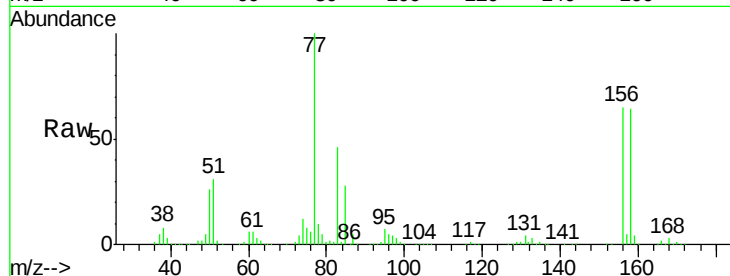
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	106335
Ion Ratio	Lower	Upper	
156	100		
77	167.2	84.8	254.3
158	97.1	49.1	147.3

Manual Integrations
APPROVED

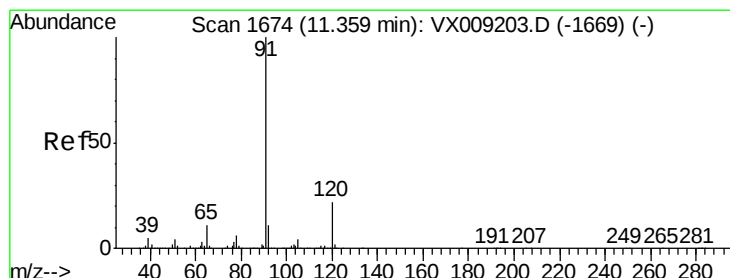
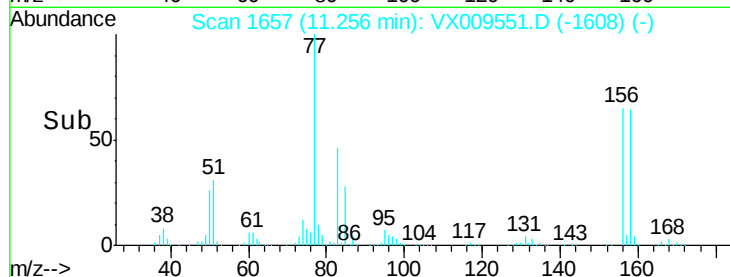
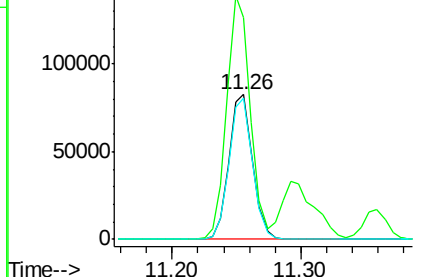
MMDadoda
5/14/2019 12:16:03 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.924 ug/l

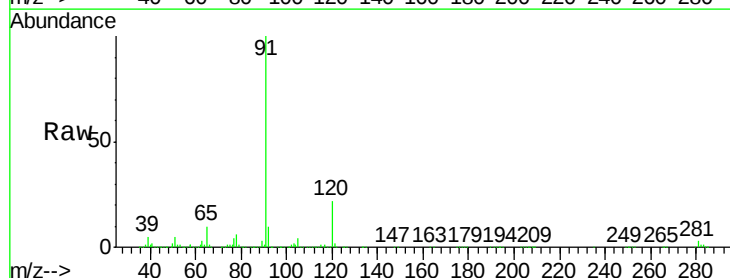
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009551.D

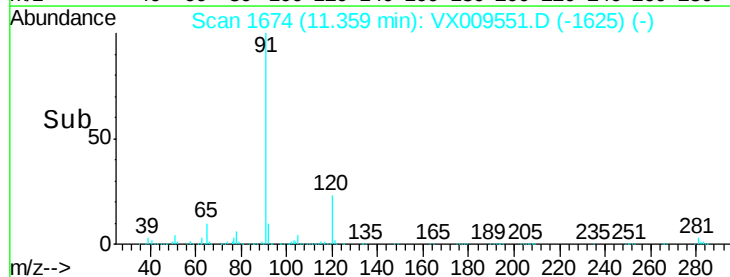
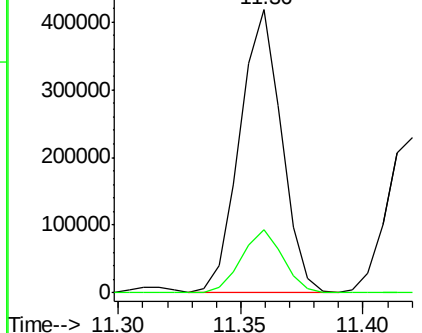
Acq: 13 May 2019 18:14

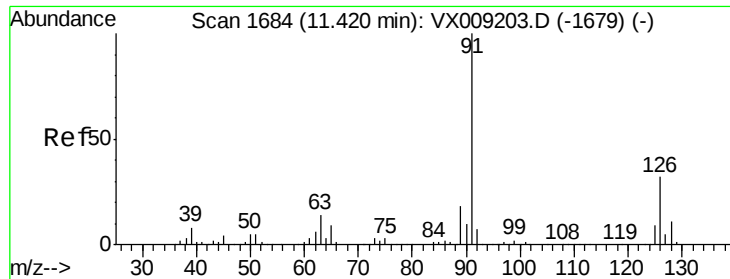
Tgt Ion:	91	Resp:	494170
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.460 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 290128

Ion Ratio Lower Upper

91 100

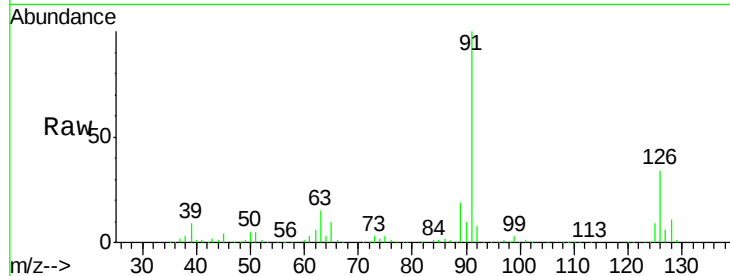
126 33.4 16.3 48.9

Manual Integrations

APPROVED

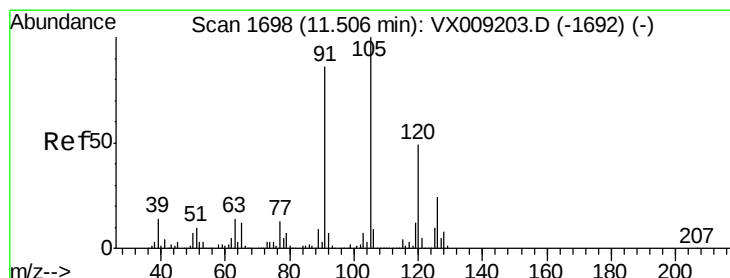
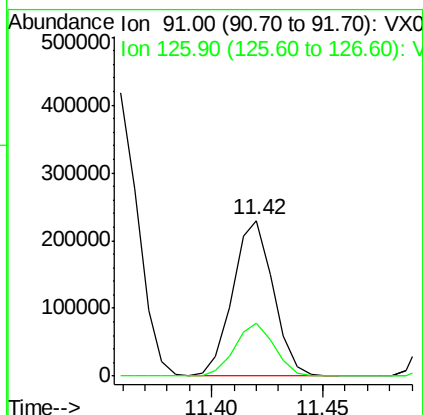
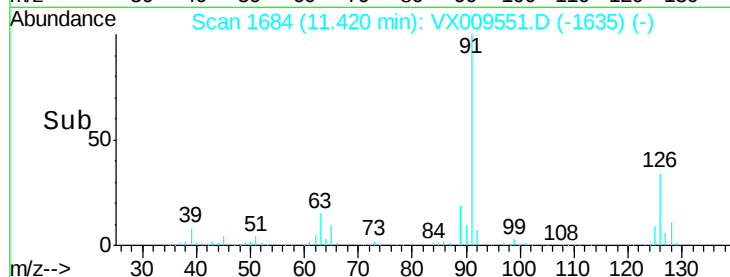
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX009551.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009551.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.576 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009551.D

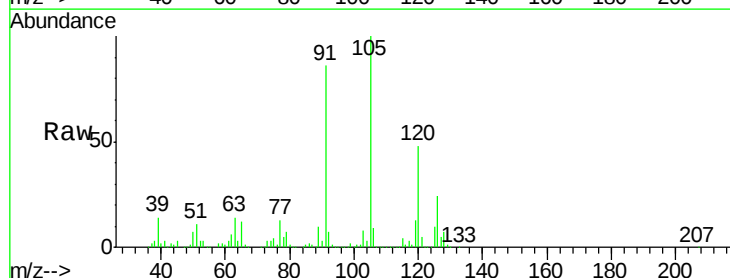
Acq: 13 May 2019 18:14

Tgt Ion: 105 Resp: 361851

Ion Ratio Lower Upper

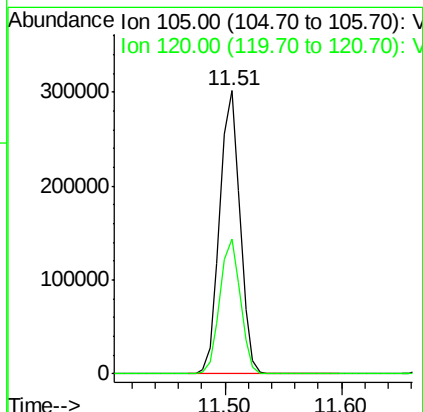
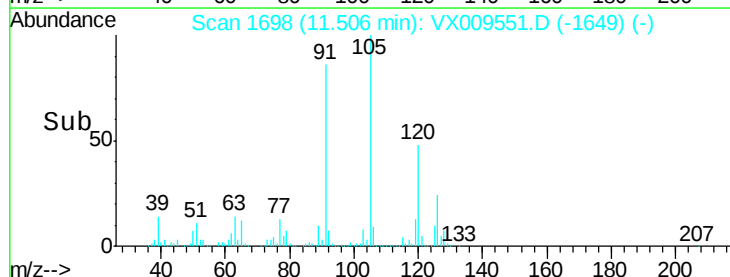
105 100

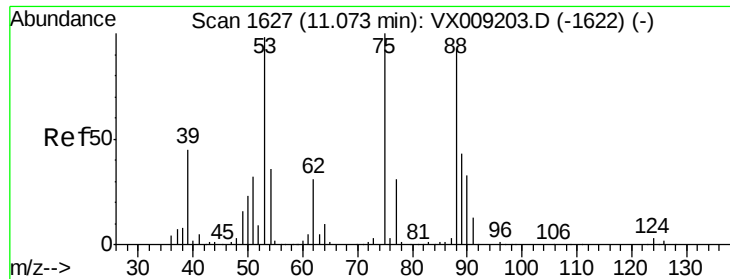
120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009551.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009551.D (-1649) (-)





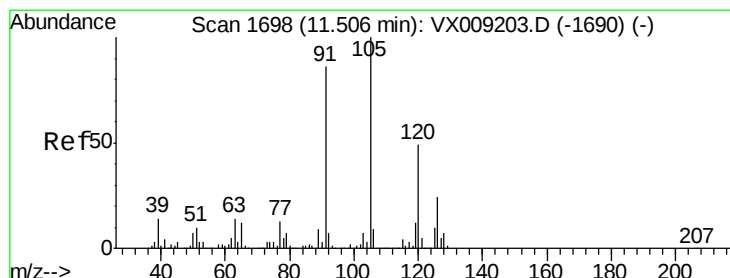
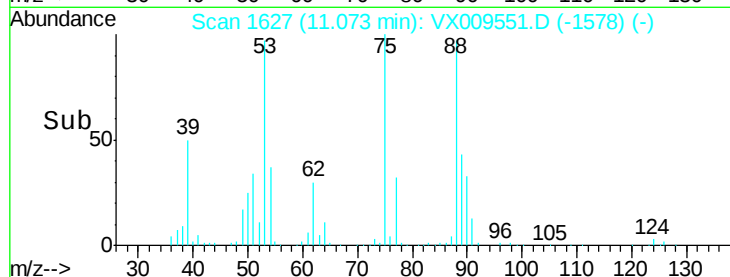
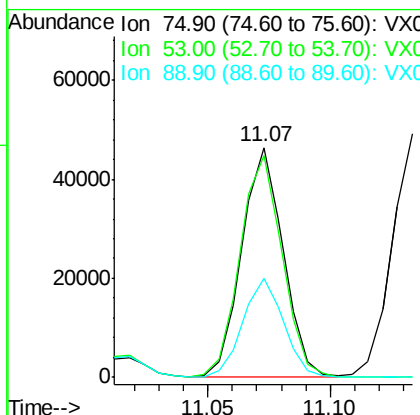
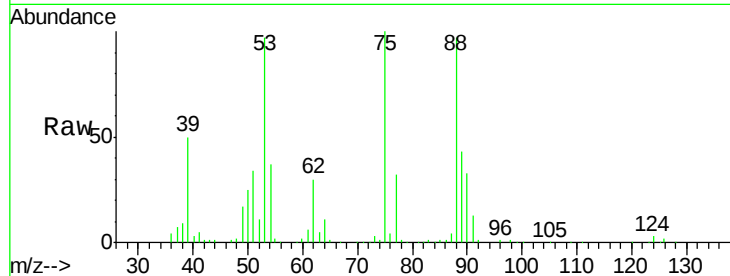
#81
trans-1,4-Dichloro-2-butene
Concen: 51.250 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.0	118.6
89	43.0	34.7	52.1

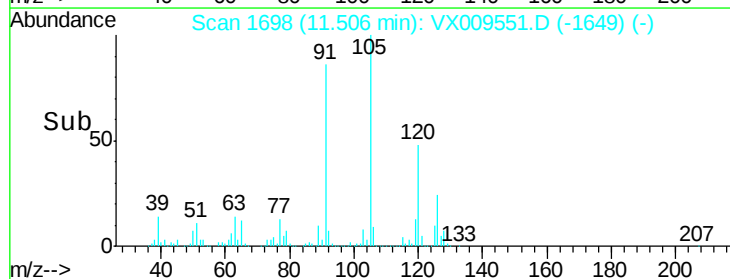
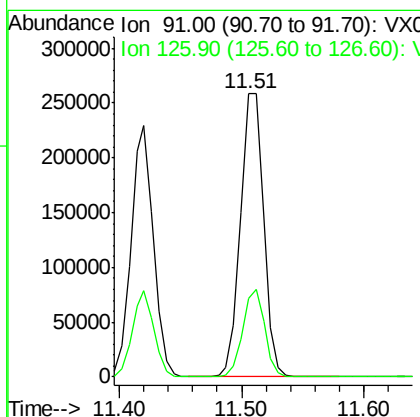
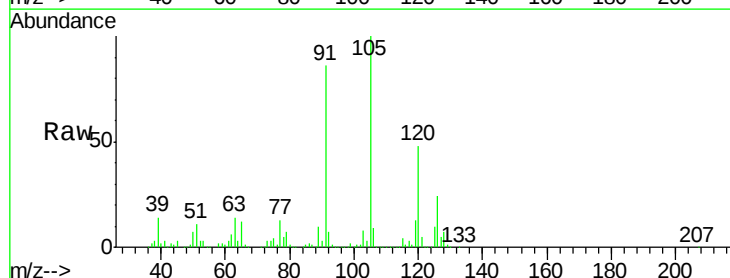
Manual Integrations
APPROVED

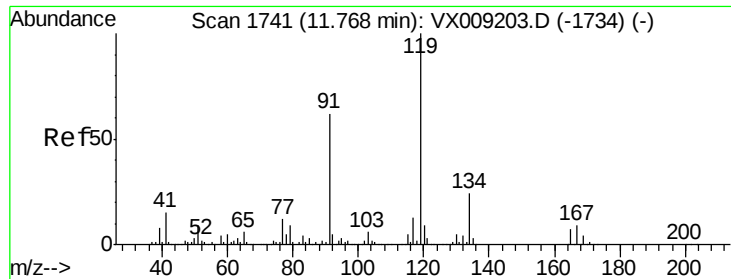
MMDadoda
5/14/2019 12:16:03 PM



#82
4-Chlorotoluene
Concen: 49.948 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.5	43.6





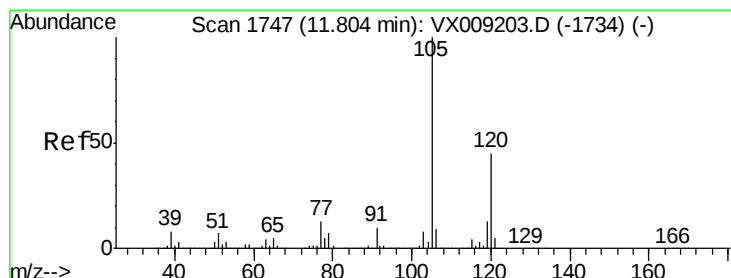
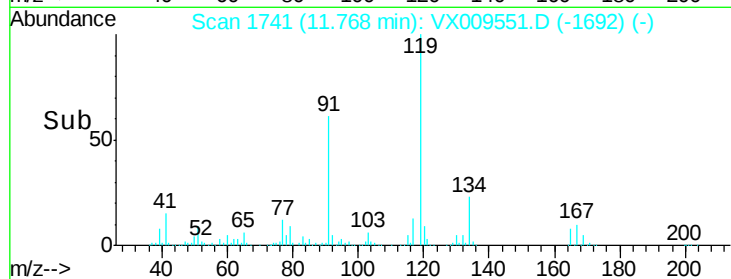
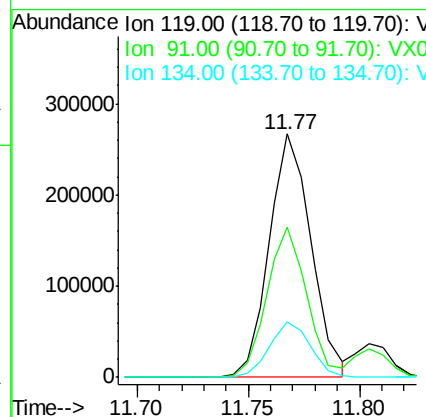
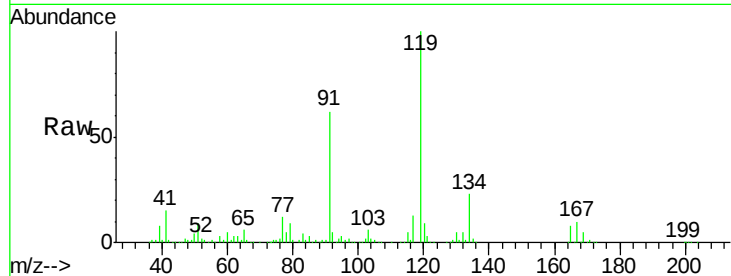
#83
tert-Butylbenzene
Concen: 50.102 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348706		
91	58.9	29.5	88.5	
134	22.4	11.4	34.1	

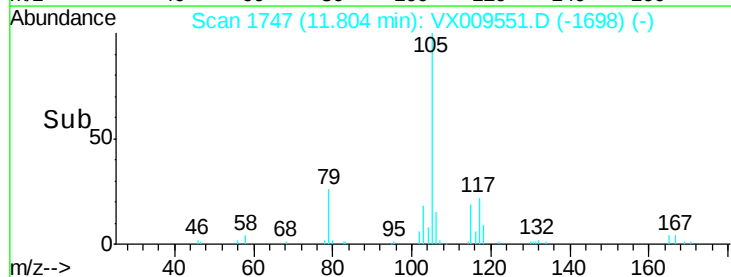
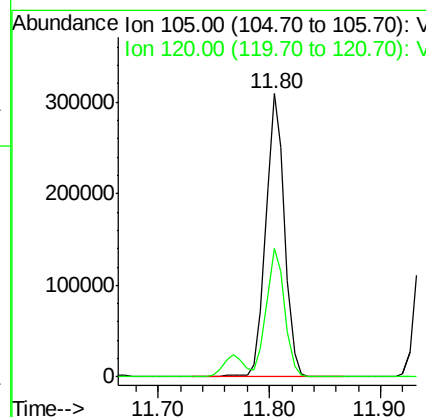
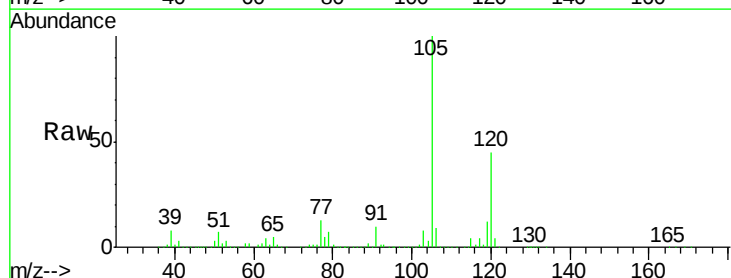
Manual Integrations
APPROVED

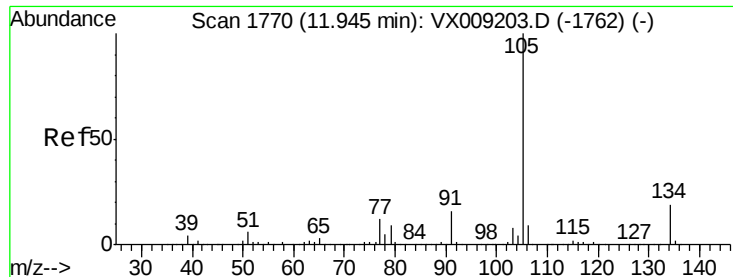
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.675 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363915		
120	44.2	22.0	66.0	





#85

sec-Butylbenzene

Concen: 50.407 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 415930

Ion Ratio Lower Upper

105 100

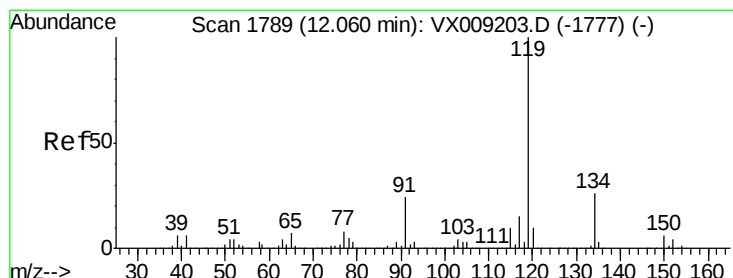
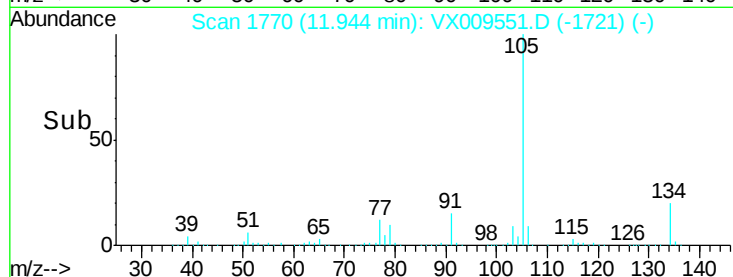
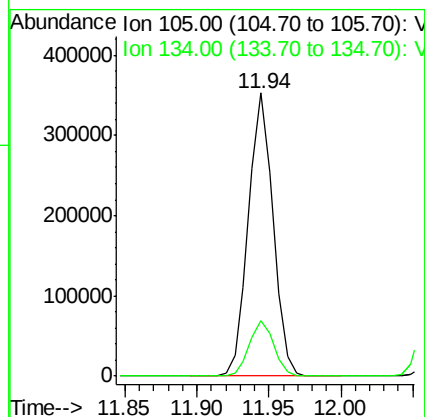
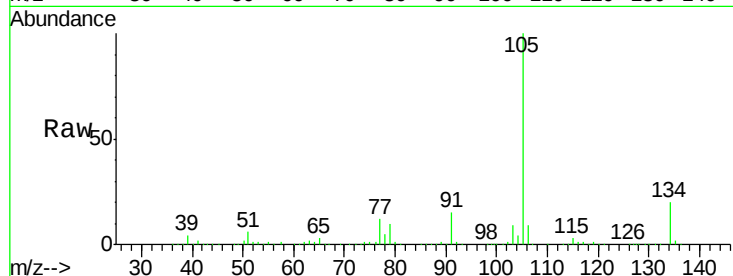
134 19.6 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.050 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

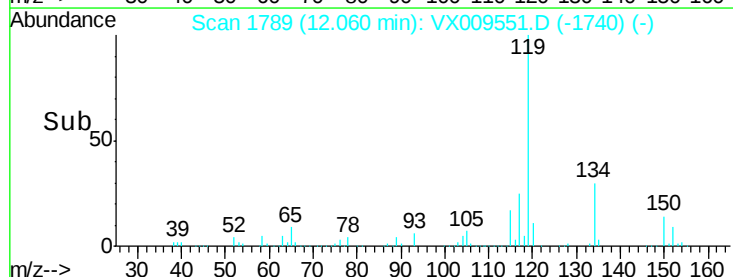
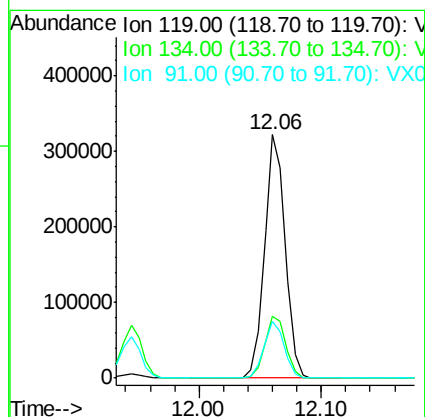
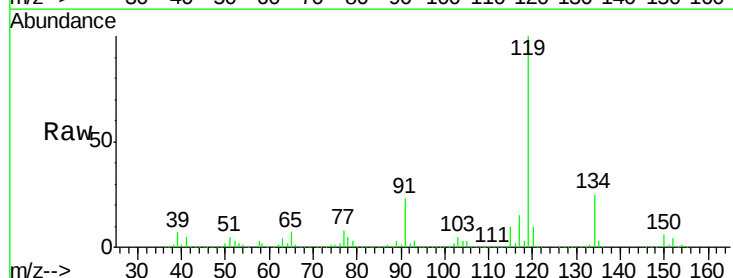
Tgt Ion:119 Resp: 378688

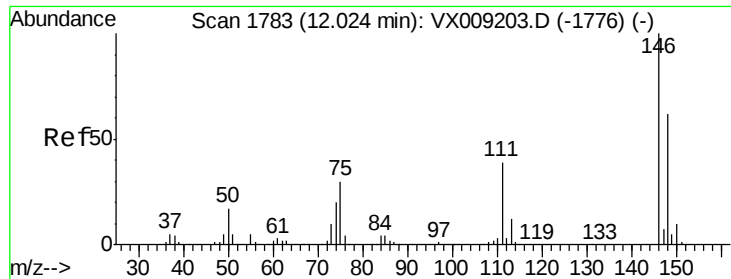
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 23.3 11.8 35.4





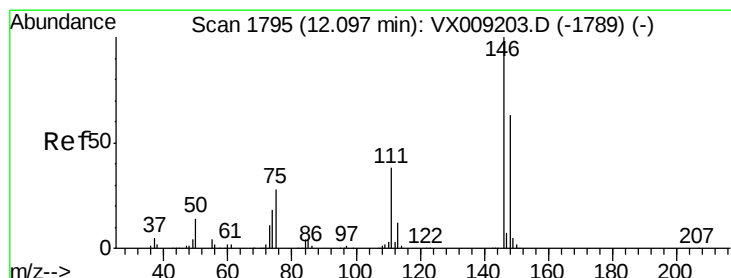
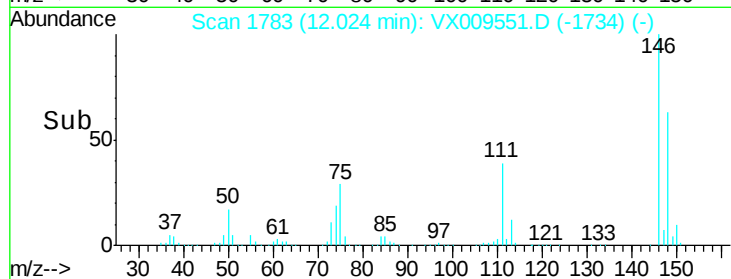
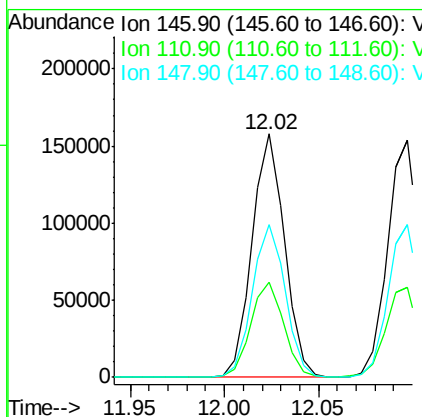
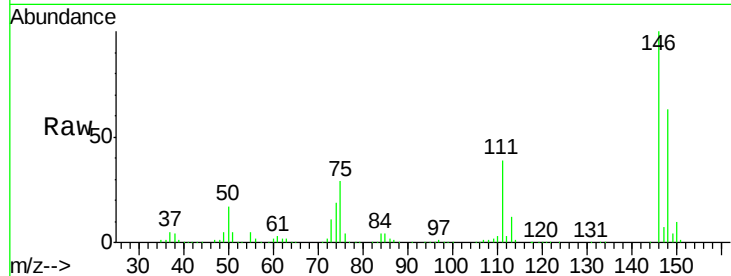
#87
 1,3-Dichlorobenzene
 Concen: 50.217 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.5	31.8	95.3

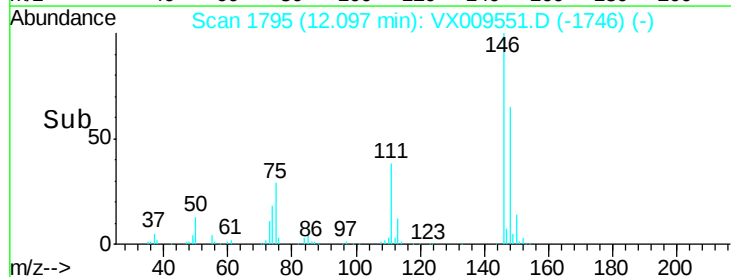
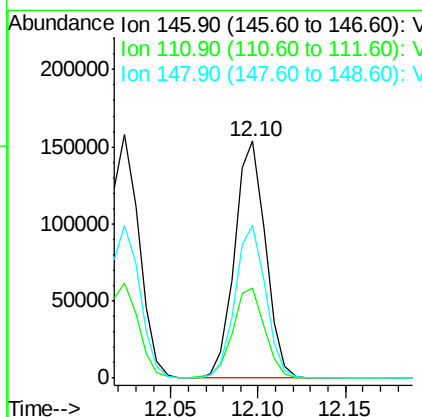
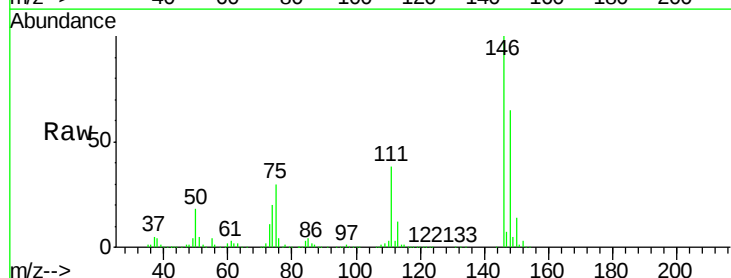
Manual Integrations
 APPROVED

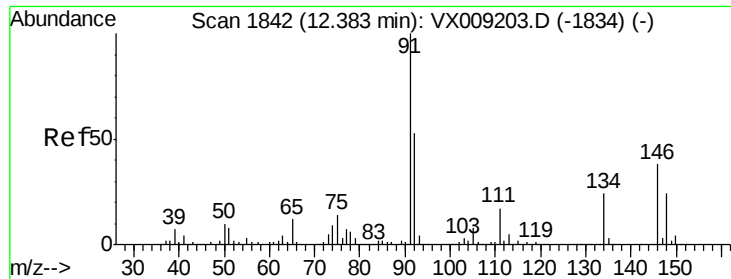
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#88
 1,4-Dichlorobenzene
 Concen: 49.619 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.2	31.8	95.3





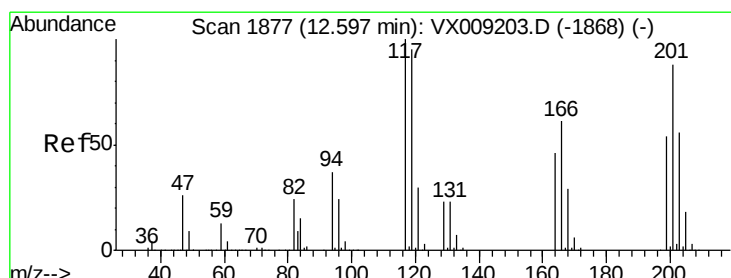
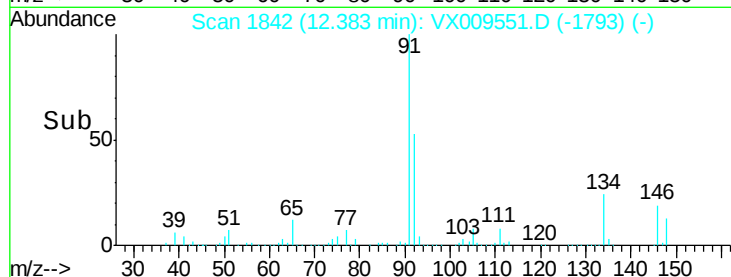
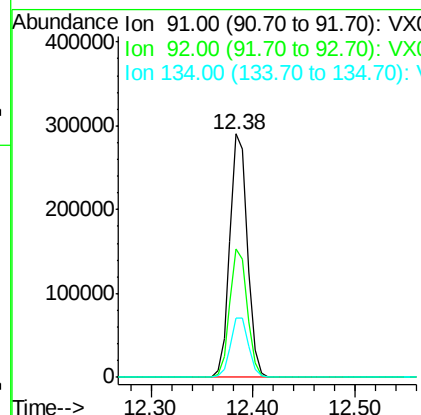
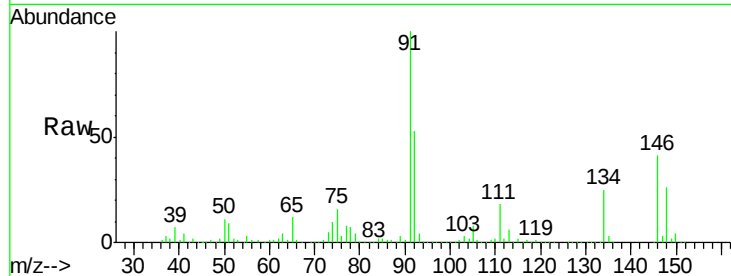
#89
n-Butylbenzene
Concen: 51.789 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	25.0	12.4	37.2

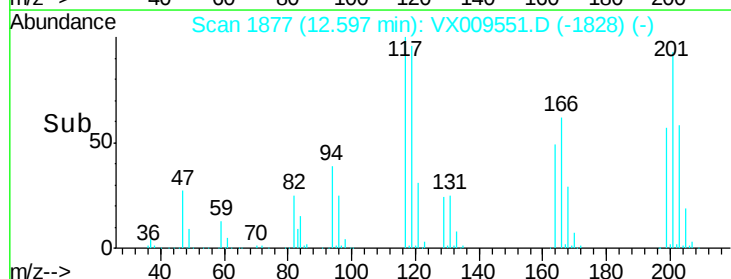
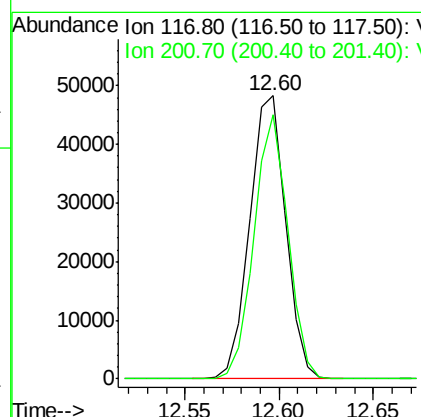
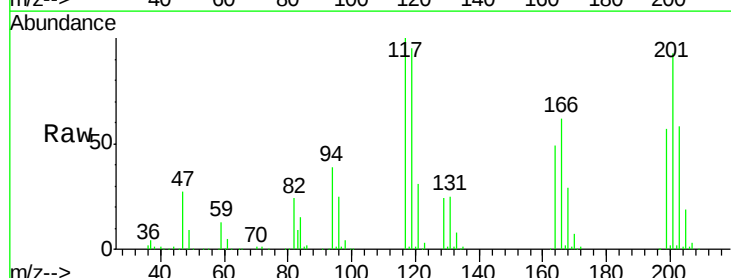
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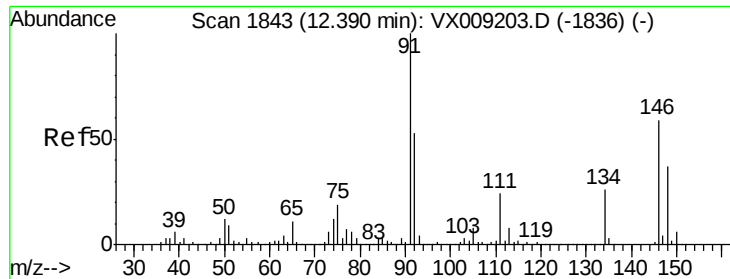
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#90
Hexachloroethane
Concen: 50.606 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	42.3	126.9





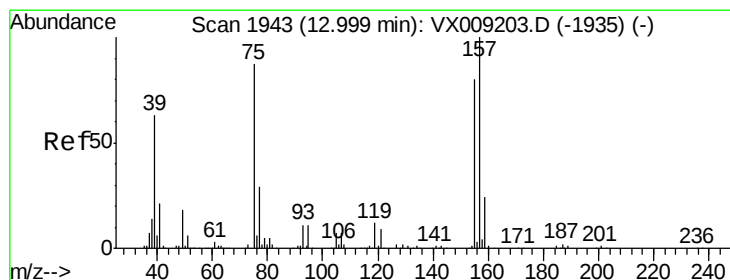
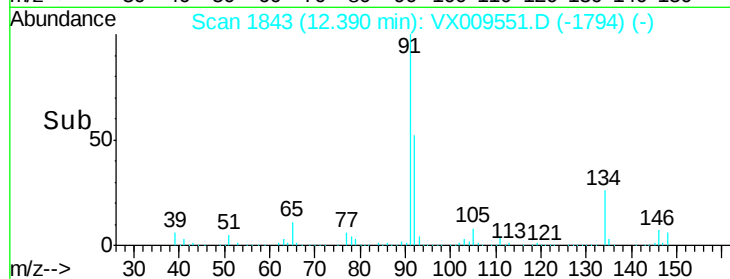
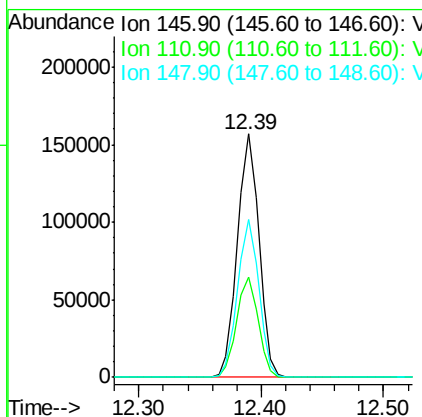
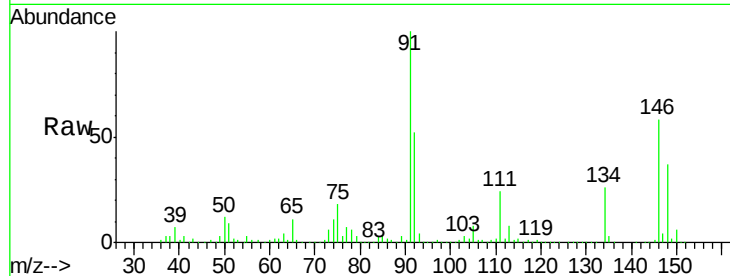
#91
 1,2-Dichlorobenzene
 Concen: 49.723 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.1	31.9	95.9

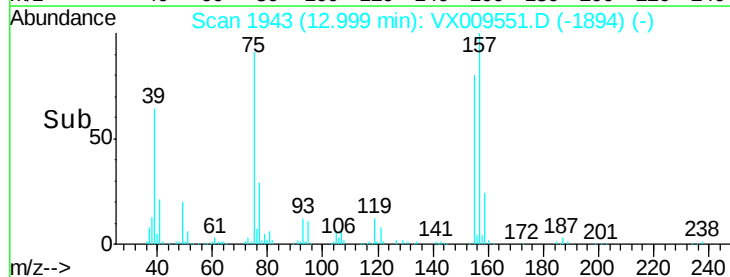
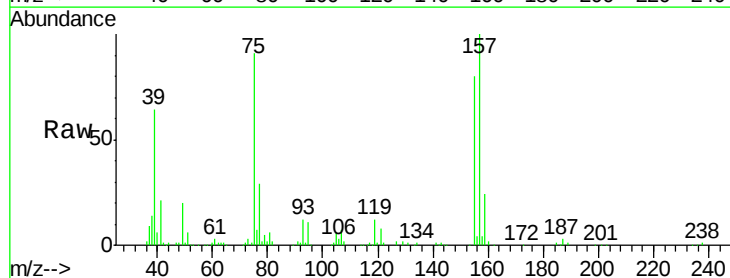
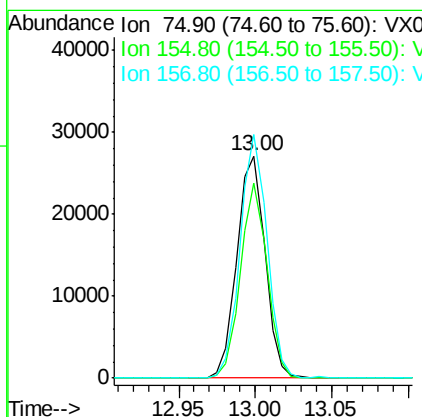
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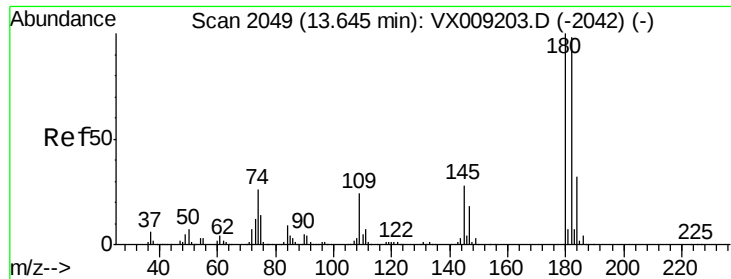
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.607 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	42.0	126.0
157	105.0	53.2	159.6





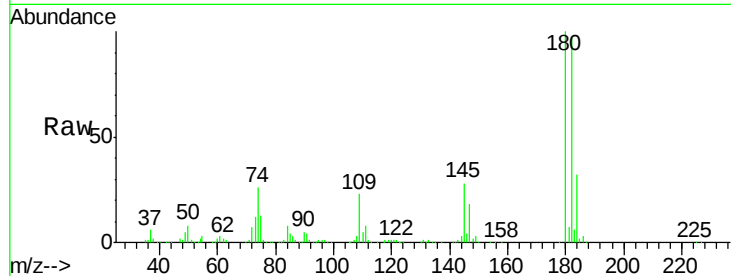
#93
 1,2,4-Trichlorobenzene
 Concen: 51.230 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

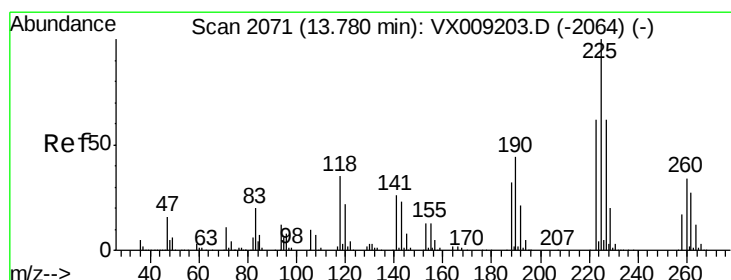
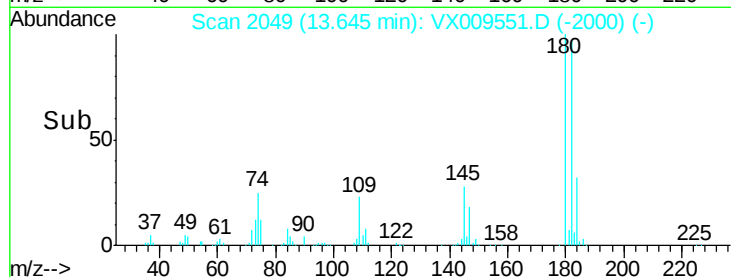
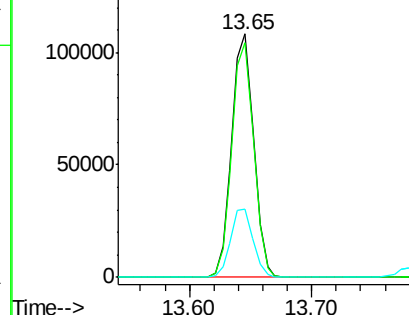
Tot Ion:	180	Resp:	134155
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.4	145.2
145	28.6	14.6	43.8

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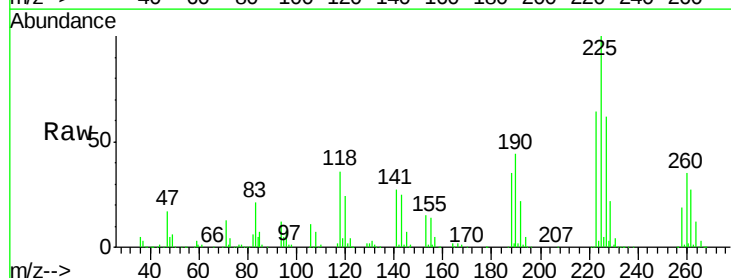


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

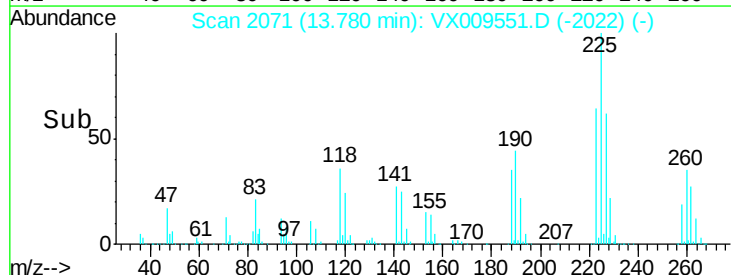
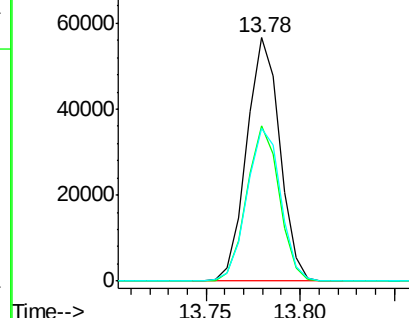


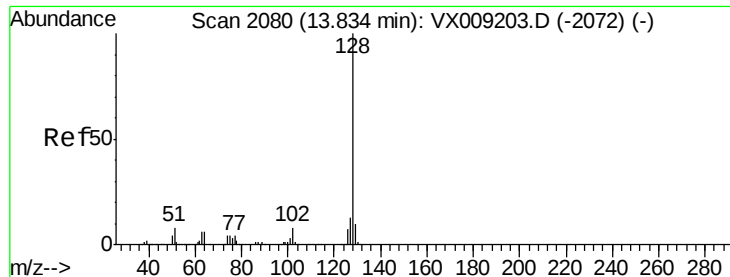
#94
 Hexachlorobutadiene
 Concen: 51.675 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion:	225	Resp:	69102
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.3	93.8
227	63.8	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.004 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

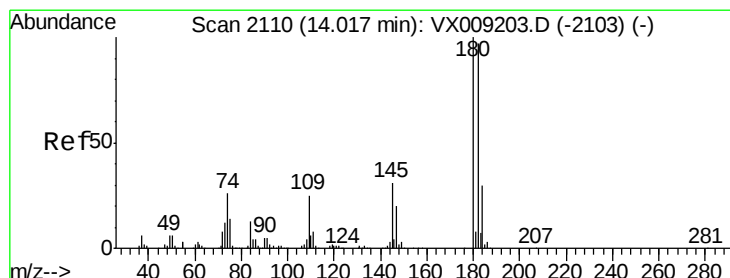
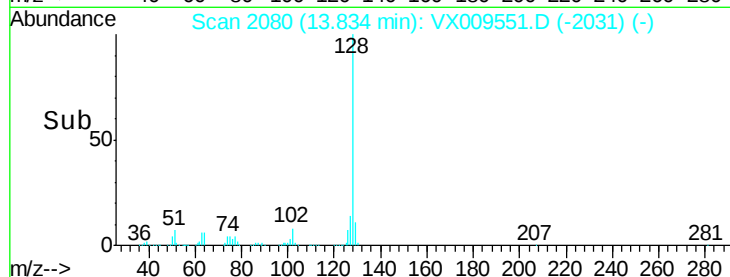
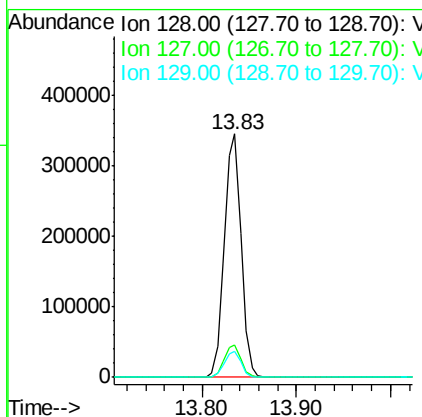
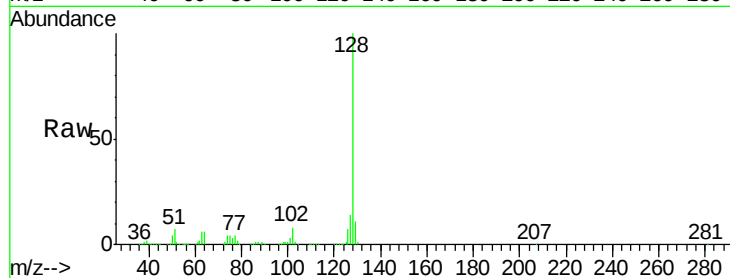
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	426013
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.308 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion:	180	Resp:	133540
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	30.6	15.4	46.4

