

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050719\
 Data File : VX009386.D
 Acq On : 07 May 2019 18:52
 Operator : JC/SP
 Sample : K2721-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:40:39 AM

Quant Time: May 08 03:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	157959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114615	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	5.50	113	84183	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
50) Toluene-d8	8.71	98	338833	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.13	95	126268	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62749	43.108	ug/l	99
3) Chloromethane	1.32	50	73979	37.226	ug/l	100
4) Vinyl Chloride	1.40	62	84048	43.372	ug/l	96
5) Bromomethane	1.64	94	32542	27.978	ug/l	97
6) Chloroethane	1.71	64	72648	58.390	ug/l	100
7) Trichlorofluoromethane	1.92	101	109918	46.663	ug/l	100
8) Diethyl Ether	2.19	74	52706	47.236	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	68258	46.144	ug/l	98
10) Methyl Iodide	2.50	142	39367	25.395	ug/l	100
11) Tert butyl alcohol	3.06	59	138504	277.487	ug/l	100
12) 1,1-Dichloroethene	2.37	96	68784	46.409	ug/l	95
13) Acrolein	2.29	56	89710	198.458	ug/l	98
14) Allyl chloride	2.72	41	166375	46.063	ug/l	99
15) Acrylonitrile	3.15	53	312812	256.313	ug/l	100
16) Acetone	2.45	43	270019	233.204	ug/l	98
17) Carbon Disulfide	2.56	76	177923	42.758	ug/l	100
18) Methyl Acetate	2.78	43	142741	51.837	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	281996	48.997	ug/l	99
20) Methylene Chloride	2.85	84	85395	45.550	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	73879	45.963	ug/l	98
22) Diisopropyl ether	3.86	45	334226	48.117	ug/l	95
23) Vinyl Acetate	3.82	43	1498479	251.928	ug/l	100
24) 1,1-Dichloroethane	3.70	63	159581	46.571	ug/l	99
25) 2-Butanone	4.68	43	467995	260.101	ug/l	99
26) 2,2-Dichloropropane	4.59	77	106460	41.740	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	89950	46.884	ug/l	99
28) Bromochloromethane	5.02	49	66357	47.997	ug/l	100
29) Tetrahydrofuran	5.13	42	309606	267.401	ug/l	99
30) Chloroform	5.21	83	149449	48.223	ug/l	99
31) Cyclohexane	5.58	56	142988	44.852	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	122001	47.289	ug/l	99
36) 1,1-Dichloropropene	5.80	75	107443	45.599	ug/l	99
37) Ethyl Acetate	4.84	43	169046	51.492	ug/l	99
38) Carbon Tetrachloride	5.79	117	101846	47.574	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	131366	45.397	ug/l	99
40) Benzene	6.15	78	341785	46.870	ug/l	99
41) Methacrylonitrile	5.05	41	96711	49.488	ug/l	98
42) 1,2-Dichloroethane	6.20	62	125898	48.129	ug/l	100
43) Isopropyl Acetate	6.45	43	268774	51.183	ug/l	100
44) Trichloroethene	7.21	130	81286	46.109	ug/l	98
45) 1,2-Dichloropropane	7.51	63	99949	48.405	ug/l	99
46) Dibromomethane	7.66	93	56775	47.349	ug/l	97
47) Bromodichloromethane	7.90	83	118173	49.407	ug/l	97
48) Methyl methacrylate	7.77	41	133632	51.293	ug/l	100
49) 1,4-Dioxane	7.74	88	53151	1005.984	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	924495	269.348	ug/l	99
52) Toluene	8.79	92	210794	47.554	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	133372	49.389	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	145081	48.539	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	88243	48.795	ug/l	95
56) Ethyl methacrylate	9.18	69	164537	50.969	ug/l	100
57) 1,3-Dichloropropane	9.37	76	153904	48.361	ug/l	99
59) 2-Hexanone	9.49	43	734252	272.377	ug/l	100
60) Dibromochloromethane	9.58	129	88837	50.296	ug/l	99
61) 1,2-Dibromoethane	9.67	107	90702	49.686	ug/l	99
64) Tetrachloroethene	9.34	164	68230	42.897	ug/l	99
65) Chlorobenzene	10.14	112	386749	83.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	81315	48.354	ug/l	100
67) Ethyl Benzene	10.25	91	404478	47.382	ug/l	100
68) m/p-Xylenes	10.36	106	299111	95.883	ug/l	100
69) o-Xylene	10.69	106	147004	47.761	ug/l	100
70) Styrene	10.71	104	261878	48.953	ug/l	99
71) Bromoform	10.85	173	70265	51.416	ug/l #	99
73) Isopropylbenzene	11.02	105	391331	45.943	ug/l	100
74) N-amyl acetate	10.90	43	250325	50.408	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	159374	50.191	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	132514m	48.771	ug/l	
77) Bromobenzene	11.26	156	99799	47.205	ug/l	97
78) n-propylbenzene	11.36	91	449224	46.179	ug/l	99
79) 2-Chlorotoluene	11.42	91	271976	45.317	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	333935	46.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49466	46.581	ug/l	99
82) 4-Chlorotoluene	11.51	91	314101	46.327	ug/l	100
83) tert-Butylbenzene	11.77	119	335028	48.019	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	335074	46.545	ug/l	100
85) sec-Butylbenzene	11.94	105	383145	46.320	ug/l	100
86) p-Isopropyltoluene	12.06	119	350296	47.107	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	210469	55.844	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	275686	72.554	ug/l	99
89) n-Butylbenzene	12.38	91	319477	47.533	ug/l	100
90) Hexachloroethane	12.60	117	59299	46.807	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	729611	190.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37915	53.228	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	132372	50.426	ug/l	99

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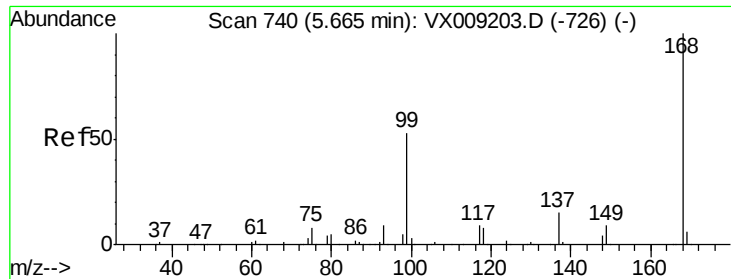
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	63859	47.637	ug/l	99
95) Naphthalene	13.83	128	443692	51.951	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134250	50.452	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:168 Resp: 157959

Ion Ratio Lower Upper

168 100

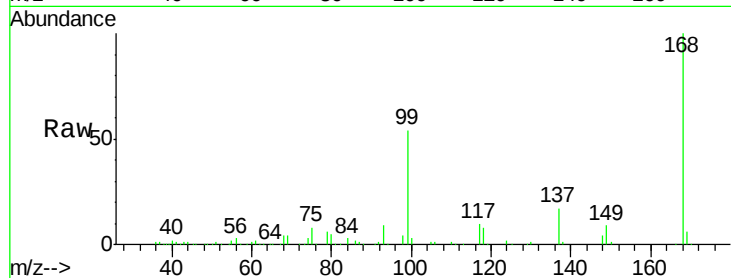
99 53.3 42.3 63.5

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

5.67

60000

50000

40000

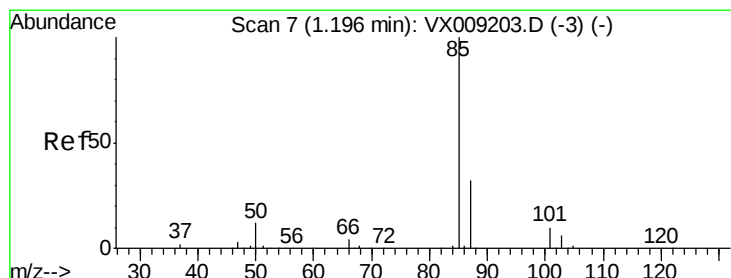
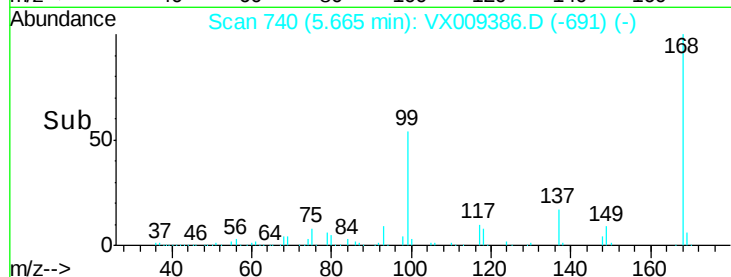
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.108 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009386.D

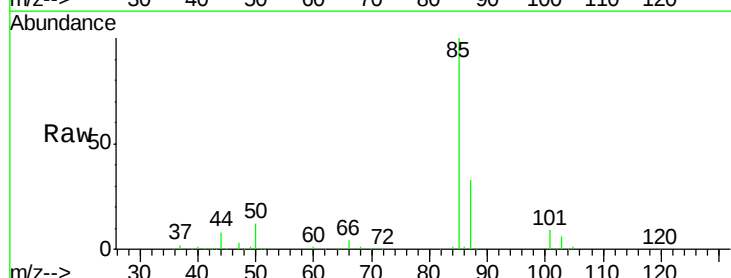
Acq: 07 May 2019 18:52

Tgt Ion: 85 Resp: 62749

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

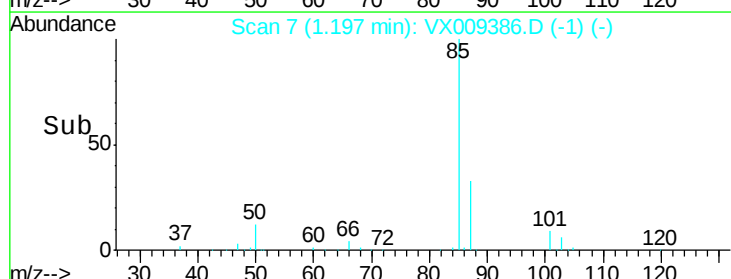
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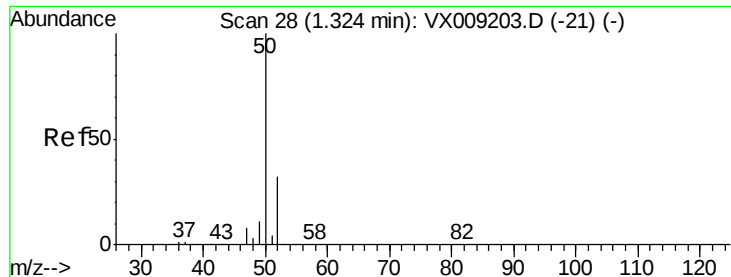
40000

20000

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Time-->





#3

Chloromethane

Concen: 37.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 50 Resp: 73979

Ion Ratio Lower Upper

50 100

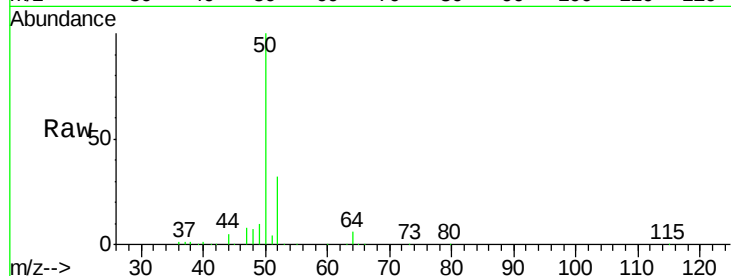
52 32.4 25.9 38.9

Manual Integrations

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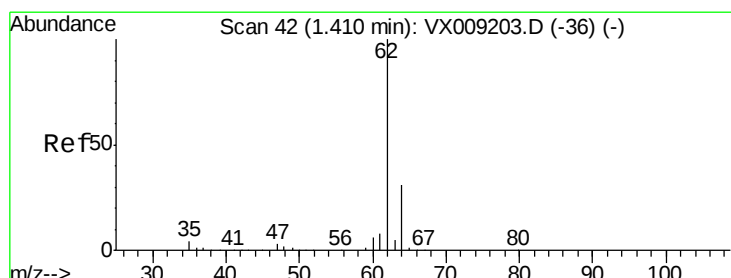
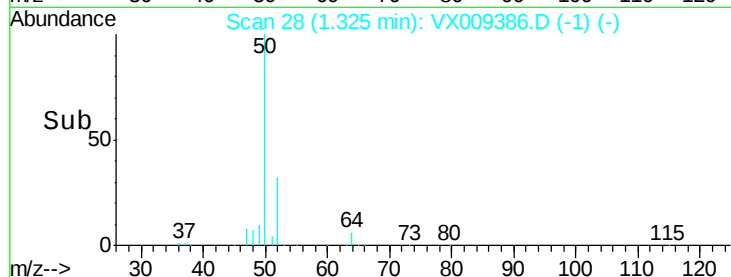
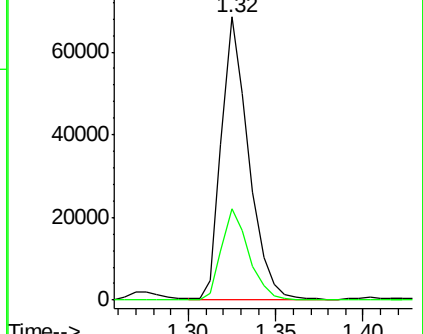
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.372 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009386.D

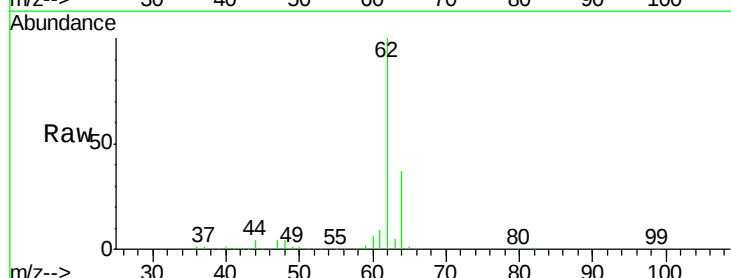
Acq: 07 May 2019 18:52

Tgt Ion: 62 Resp: 84048

Ion Ratio Lower Upper

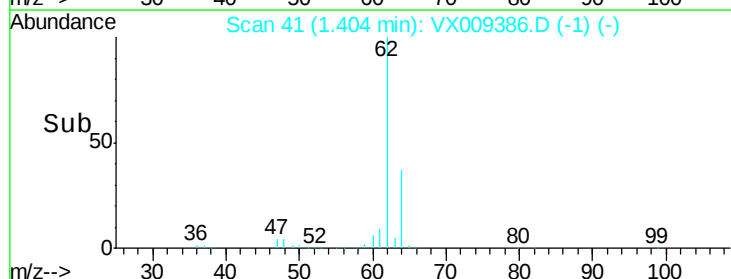
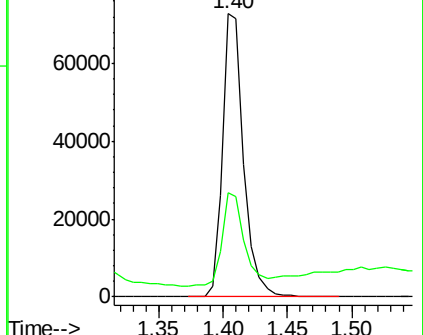
62 100

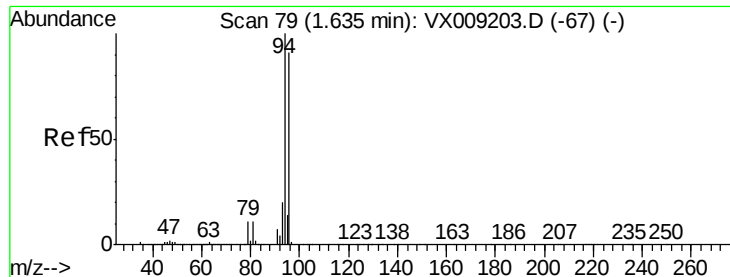
64 32.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 27.978 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 94 Resp: 32542

Ion Ratio Lower Upper

94 100

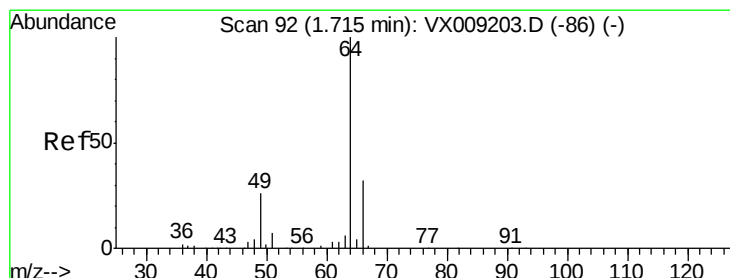
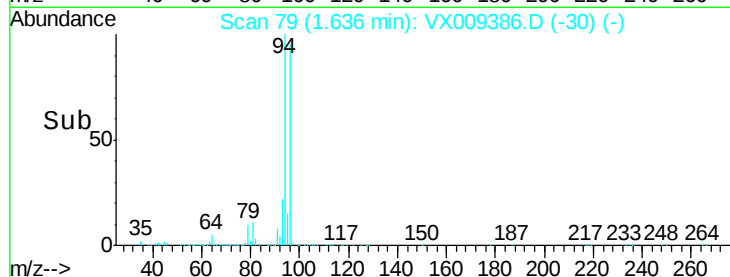
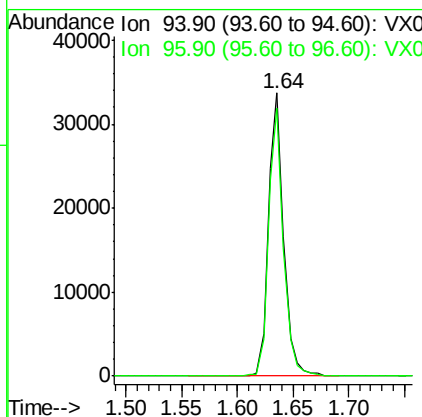
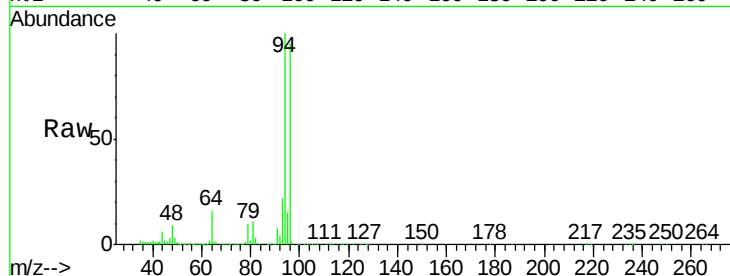
96 94.5 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 58.390 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009386.D

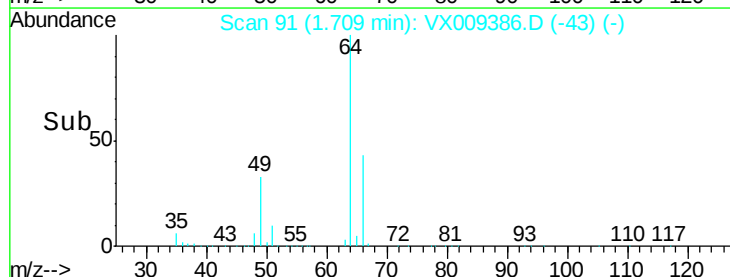
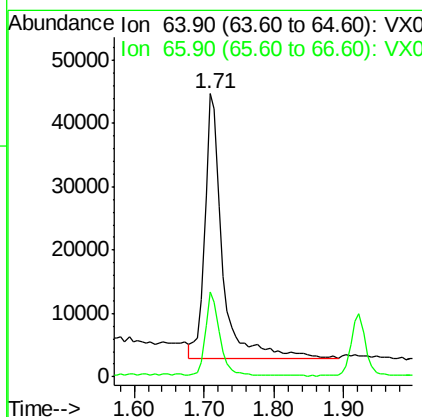
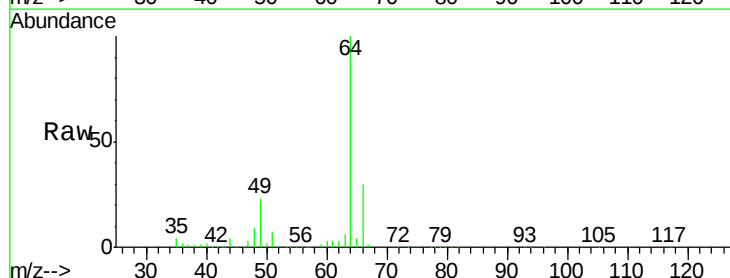
Acq: 07 May 2019 18:52

Tgt Ion: 64 Resp: 72648

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

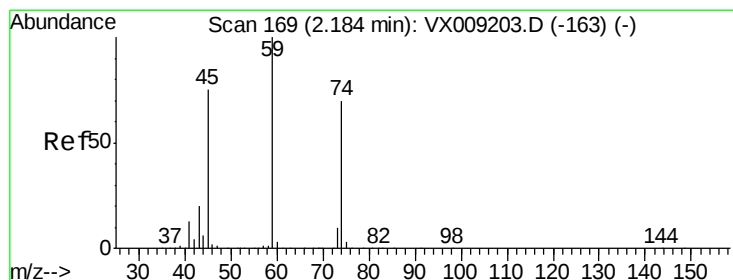
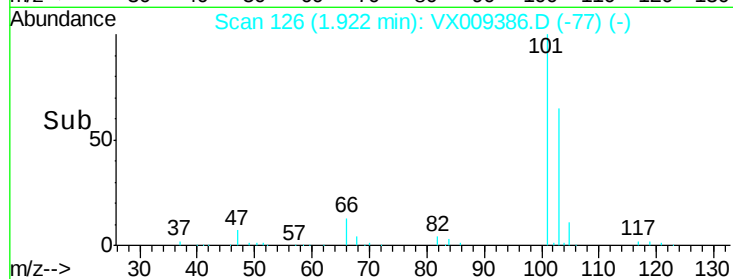
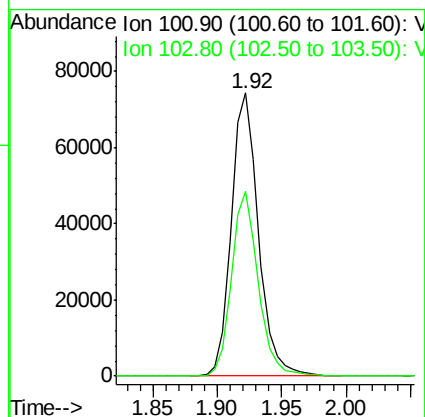
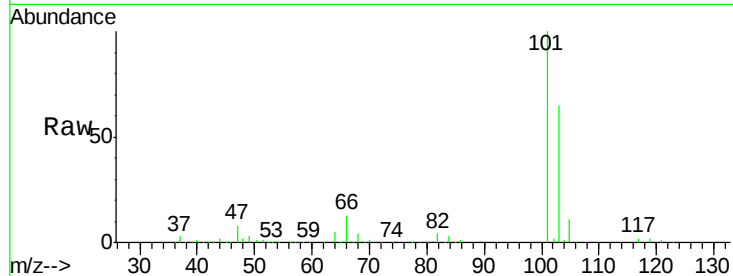
Trichlorofluoromethane
 Concen: 46.663 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	109918		
103	65.2	52.4	52.4	78.6

Manual Integrations
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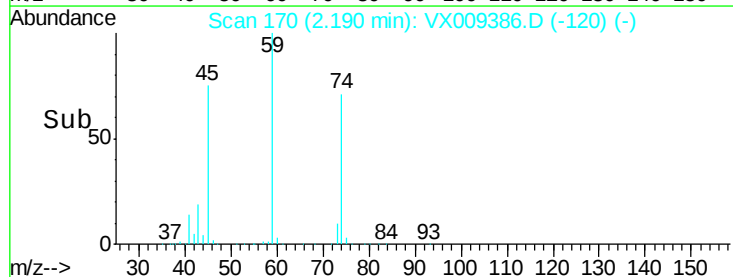
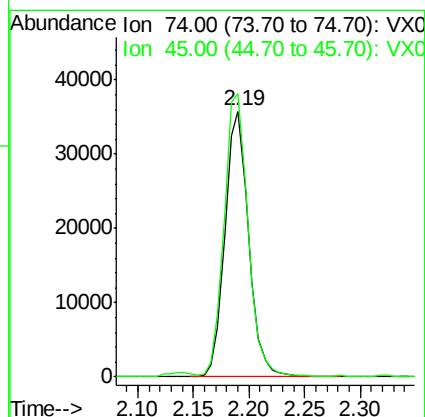
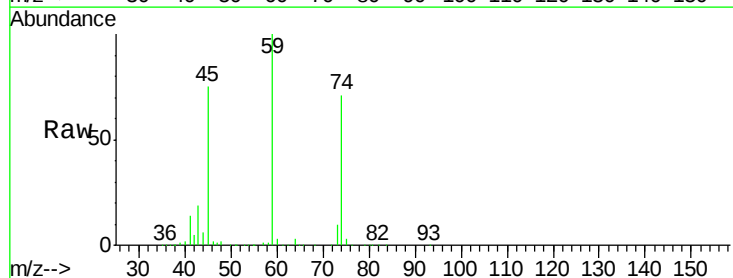
MMDadoda
 5/8/2019 10:40:39 AM



#8

Diethyl Ether
 Concen: 47.236 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52706		
45	107.2	53.3	53.3	159.9





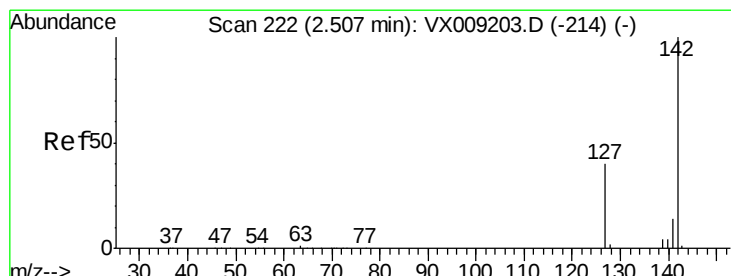
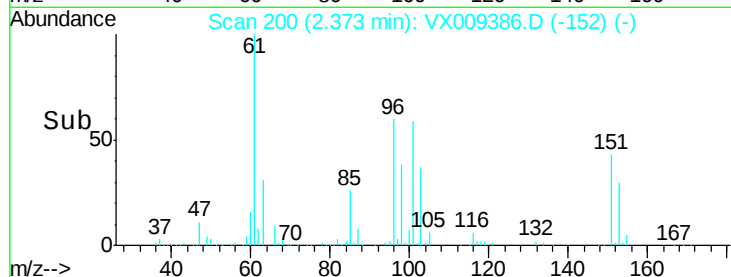
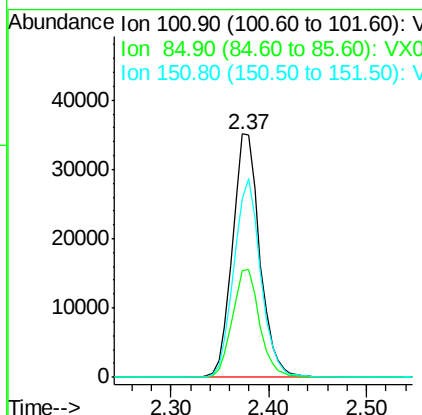
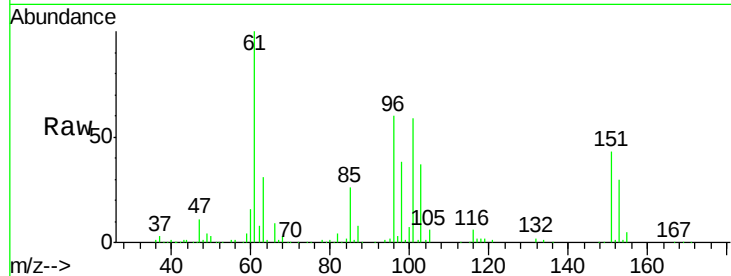
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.144 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	68258		
85	44.1		35.7	53.5
151	80.4		62.2	93.2

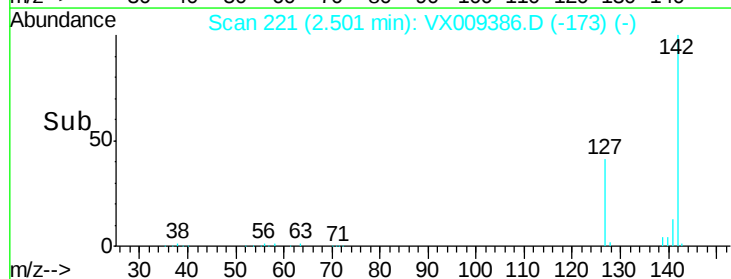
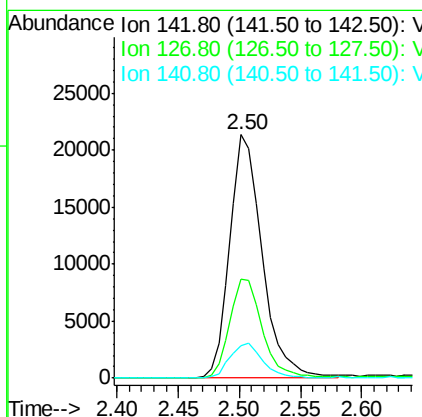
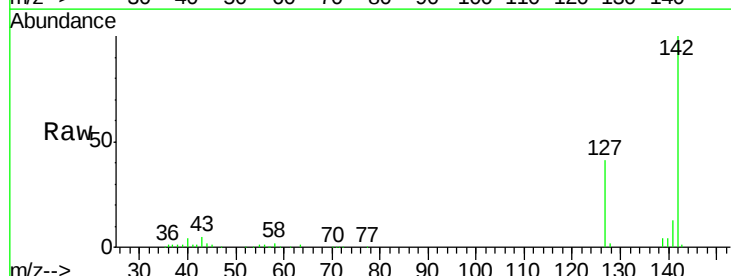
Manual Integrations
APPROVED

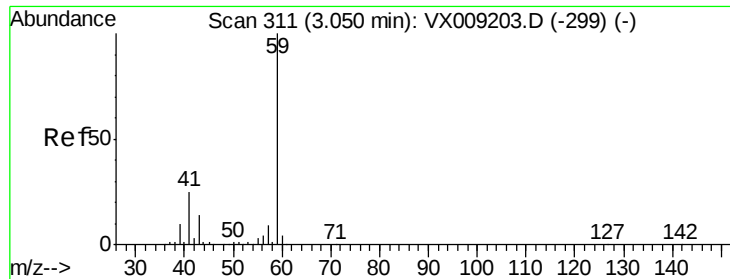
MMDadoda
5/8/2019 10:40:39 AM



#10
Methyl Iodide
Concen: 25.395 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	39367		
127	41.1		32.7	49.1
141	14.6		11.5	17.3





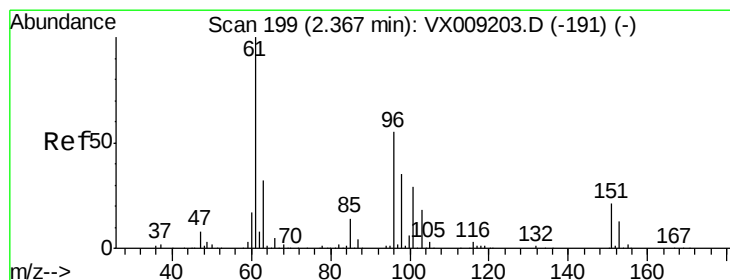
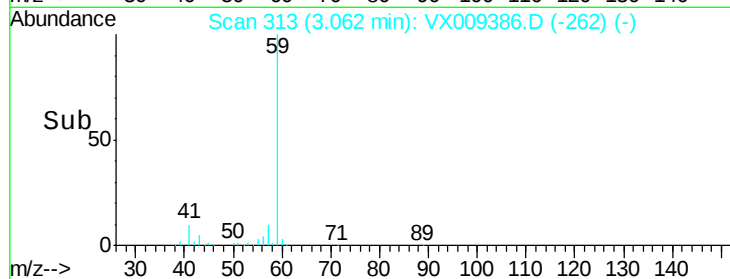
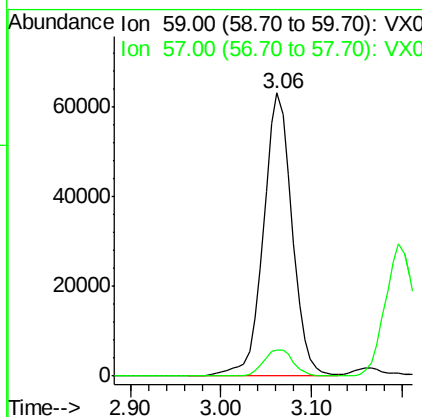
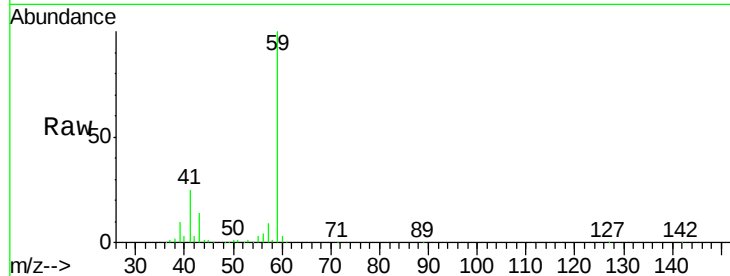
#11
Tert butyl alcohol
Concen: 277.487 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion: 59 Resp: 138504
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

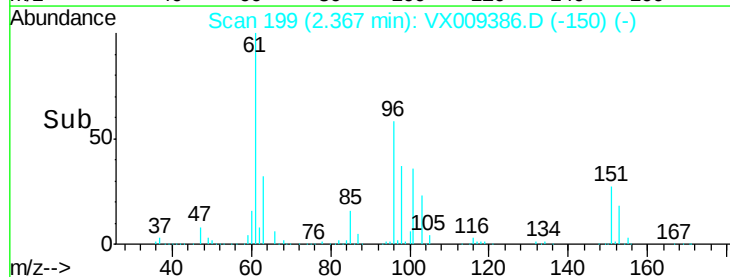
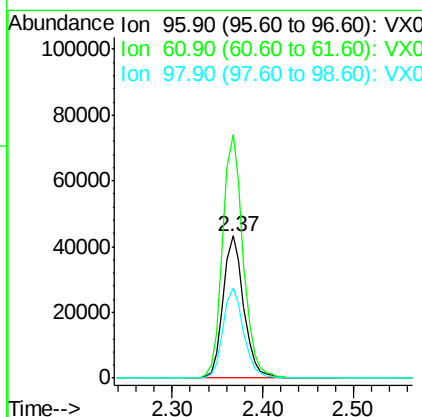
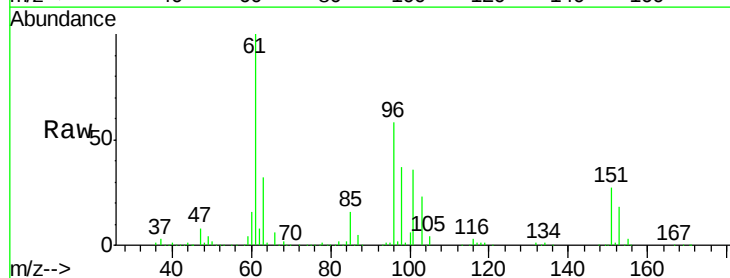
Manual Integrations
APPROVED

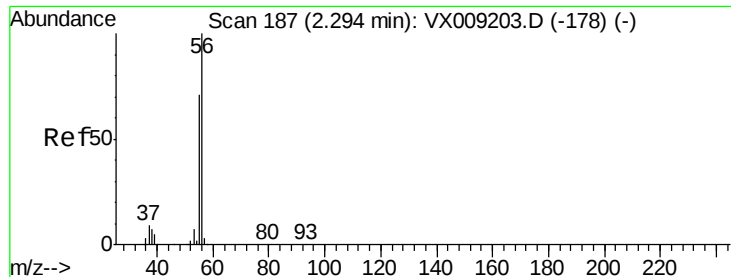
MMDadoda
5/8/2019 10:40:39 AM



#12
1,1-Dichloroethene
Concen: 46.409 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion: 96 Resp: 68784
Ion Ratio Lower Upper
96 100
61 171.0 144.3 216.5
98 63.0 50.3 75.5





#13

Acrolein

Concen: 198.458 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 56 Resp: 89710

Ion Ratio Lower Upper

56 100

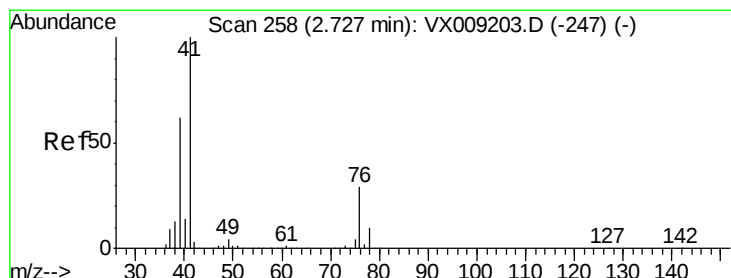
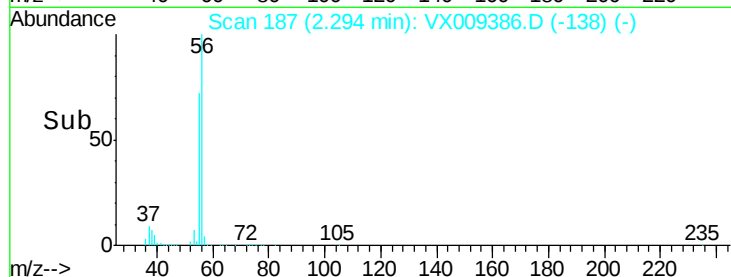
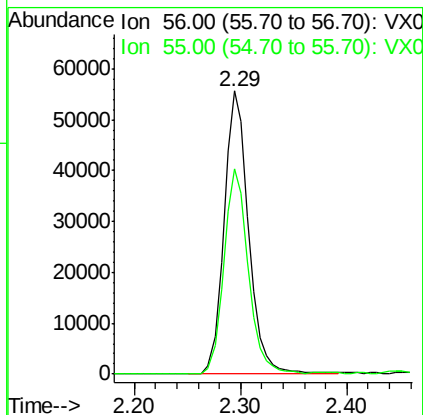
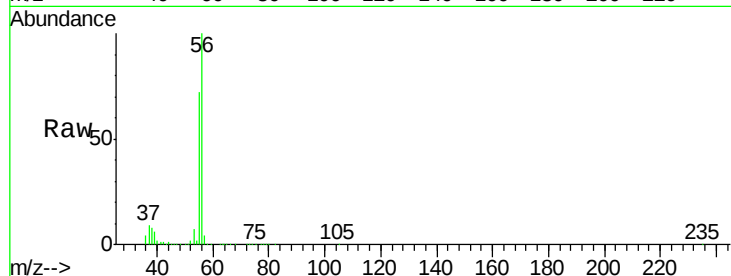
55 72.1 56.6 85.0

Manual Integrations

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MMDadoda

5/8/2019 10:40:39 AM



#14

Allyl chloride

Concen: 46.063 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

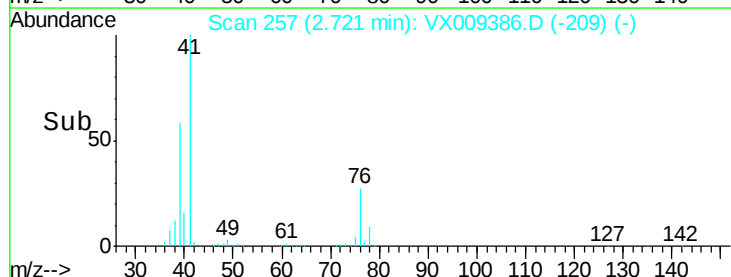
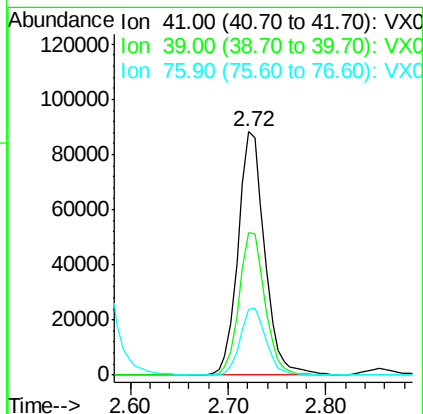
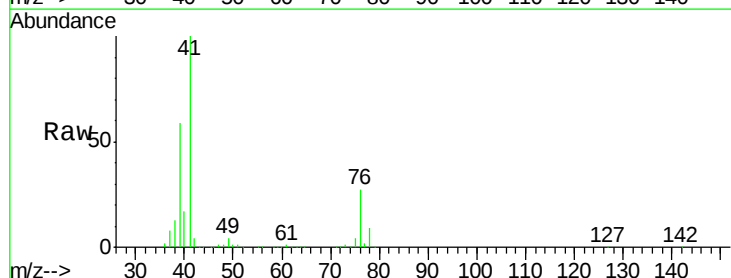
Tgt Ion: 41 Resp: 166375

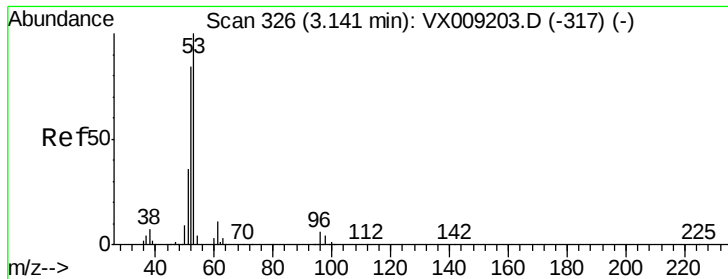
Ion Ratio Lower Upper

41 100

39 57.5 46.7 70.1

76 26.5 21.8 32.8





#15

Acrylonitrile

Concen: 256.313 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

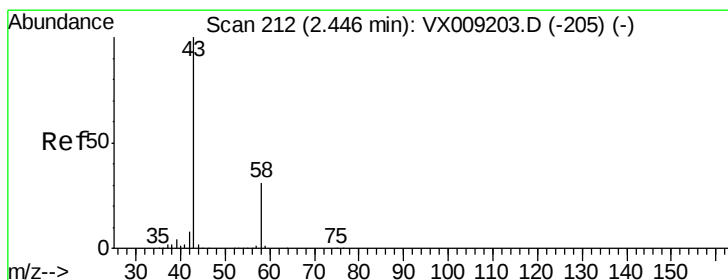
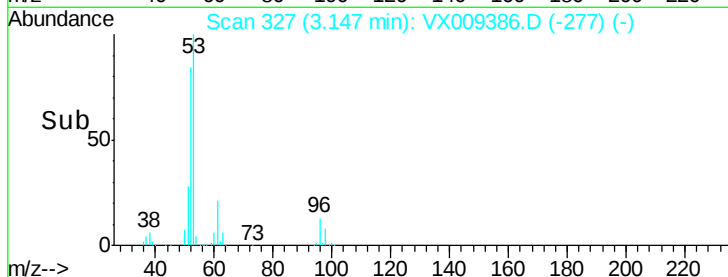
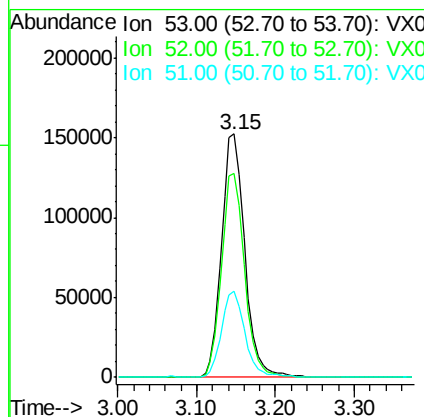
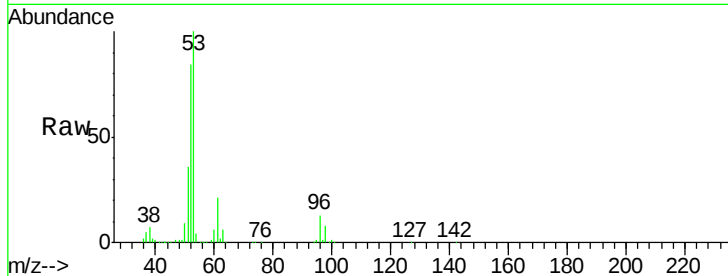
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	53	Resp:	312812
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 233.204 ug/l

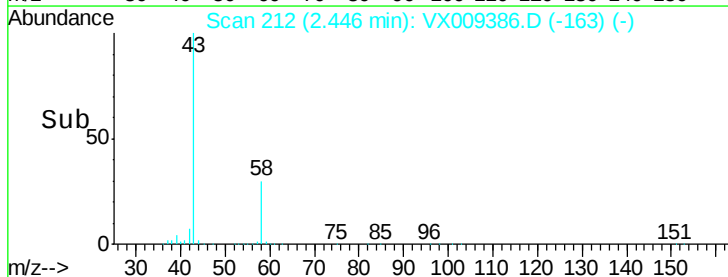
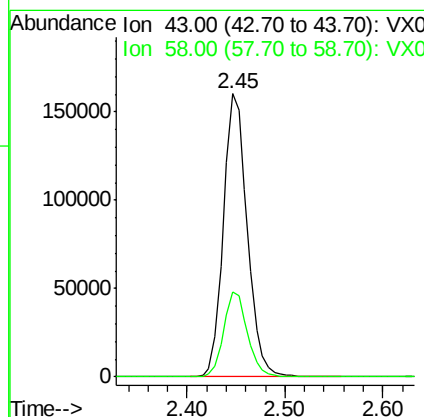
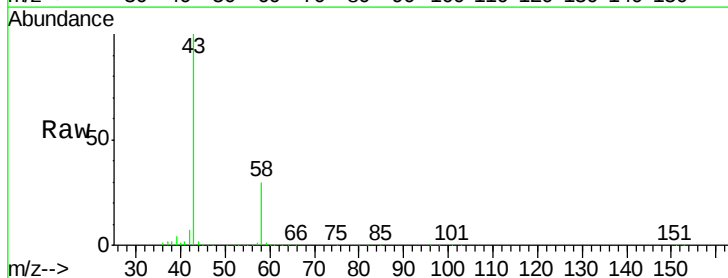
RT: 2.45 min Scan# 212

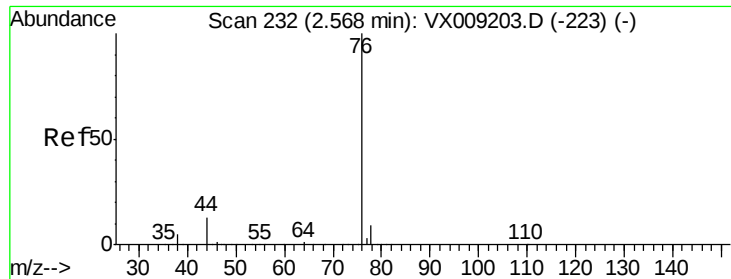
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	43	Resp:	270019
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.9	37.3





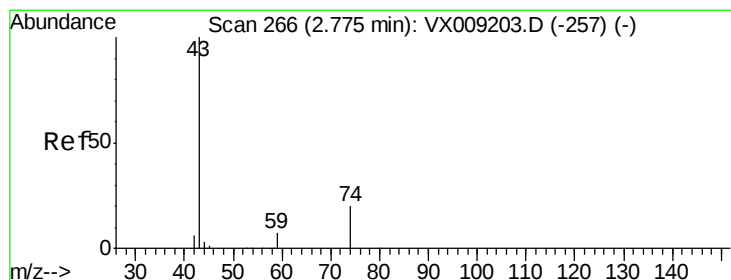
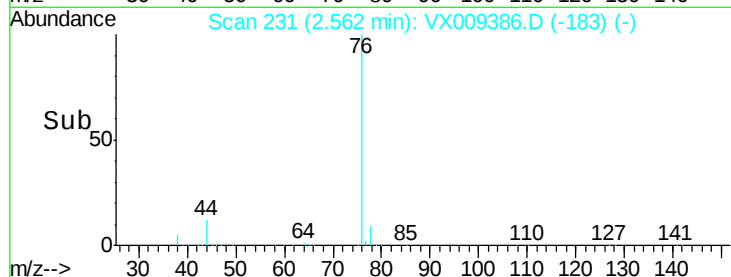
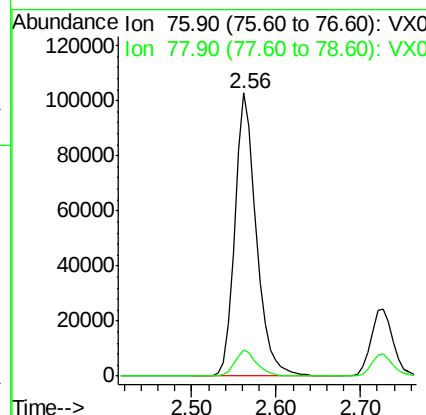
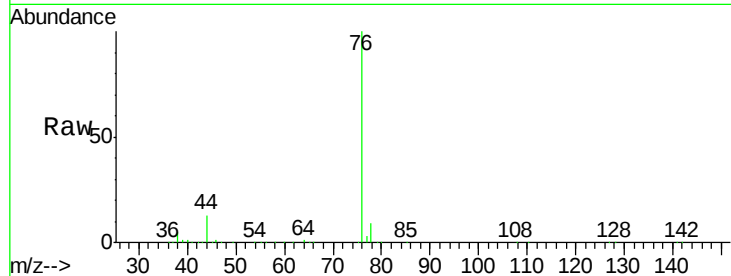
#17
Carbon Disulfide
Concen: 42.758 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

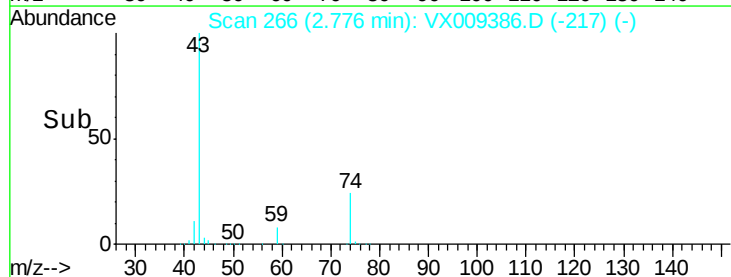
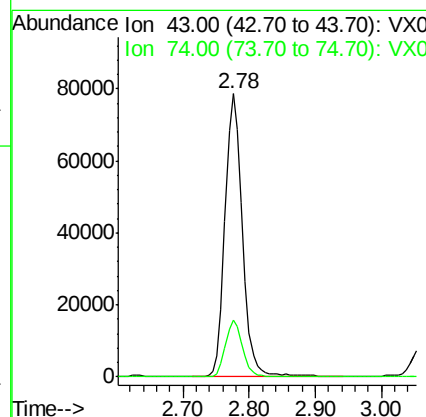
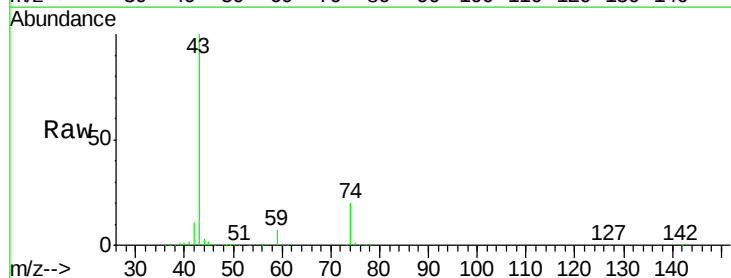
Manual Integrations
APPROVED

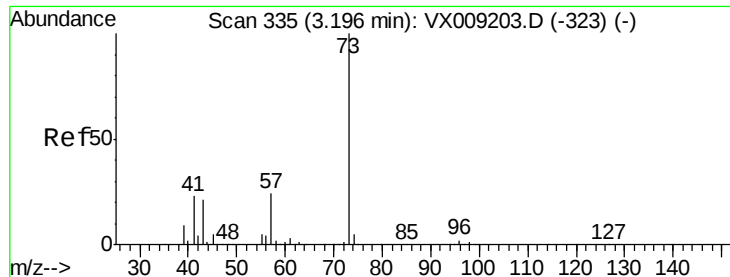
MMDadoda
5/8/2019 10:40:39 AM



#18
Methyl Acetate
Concen: 51.837 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





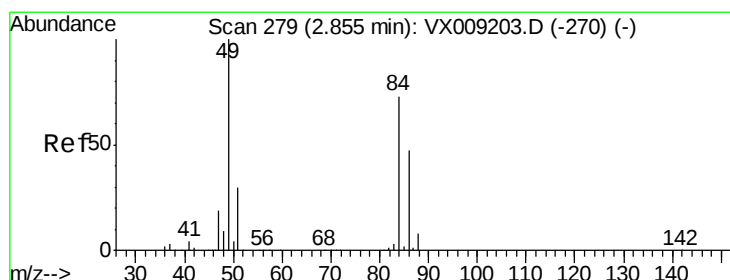
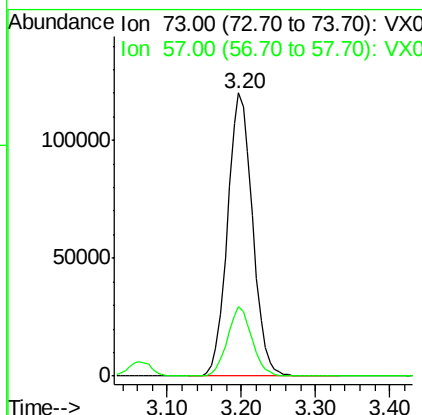
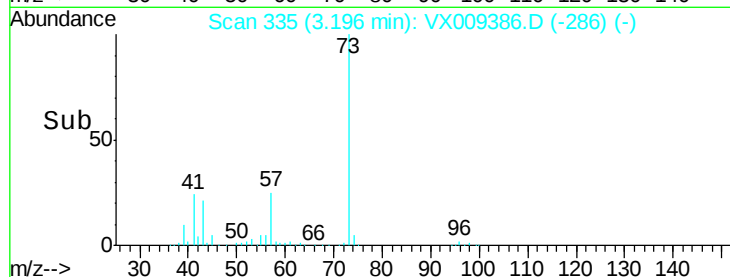
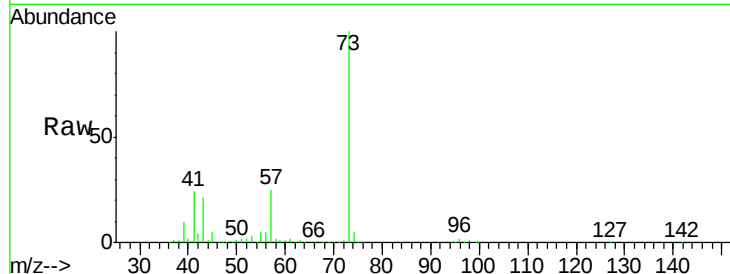
#19
Methvl tert-butvl Ether
Concen: 48.997 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.3	28.9

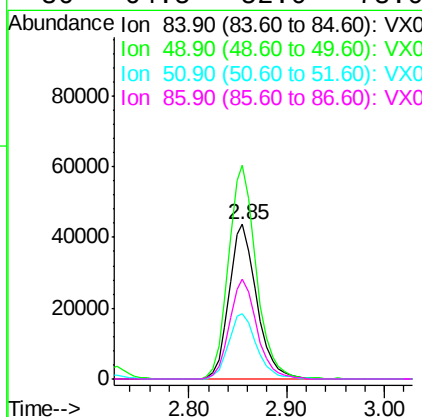
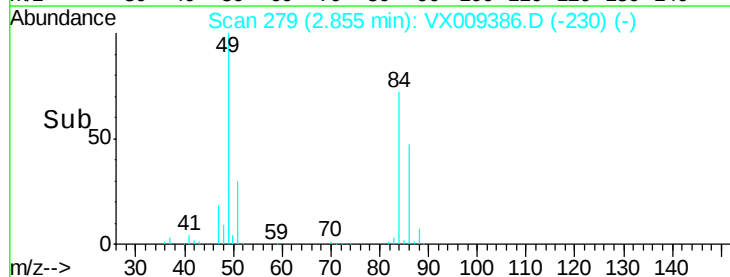
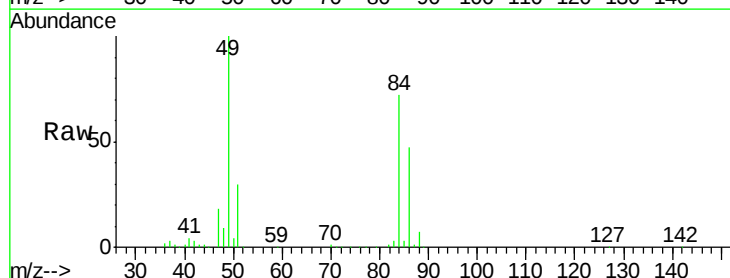
Manual Integrations
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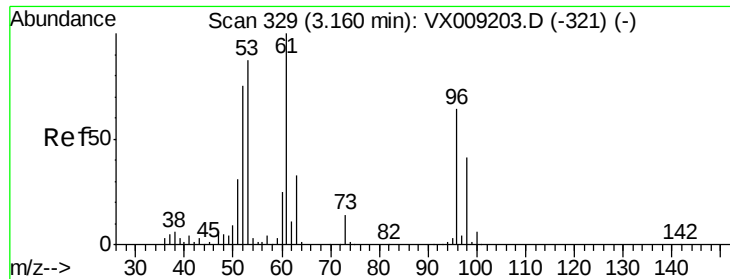
MMDadoda
5/8/2019 10:40:39 AM



#20
Methylene Chloride
Concen: 45.550 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.9	109.9	164.9
51	41.8	32.7	49.1
86	64.5	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 45.963 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

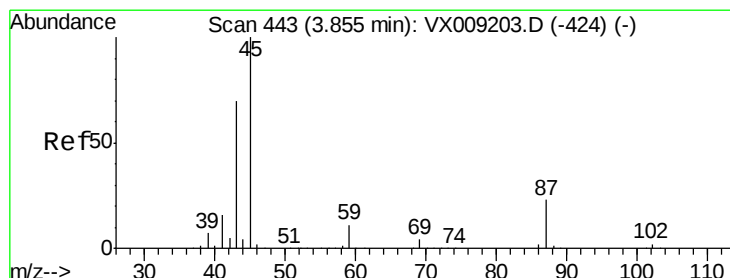
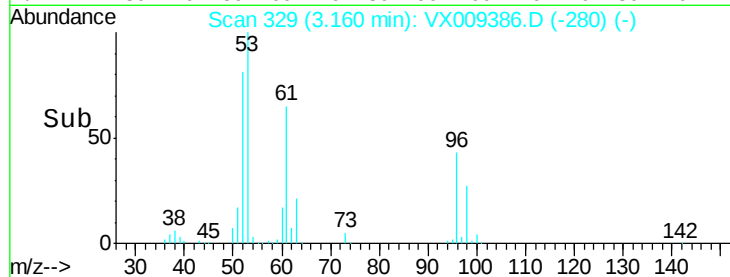
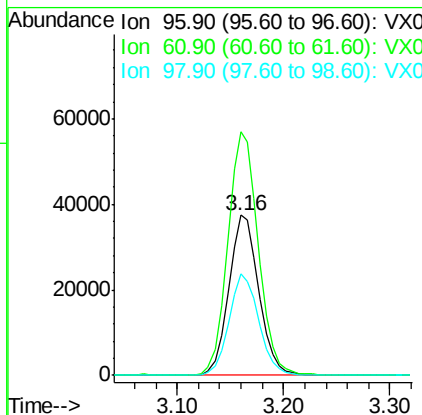
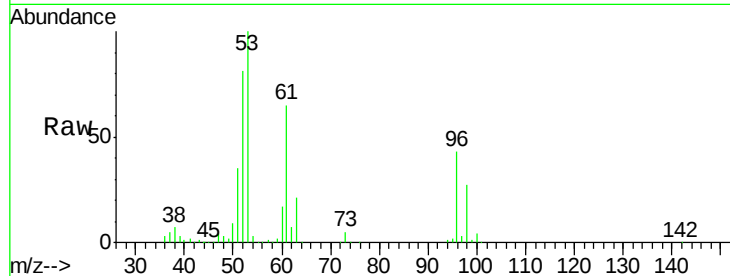
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	96	Resp:	73879
Ion	Ratio	Lower	Upper
96	100		
61	152.0	124.5	186.7
98	63.0	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.117 ug/l

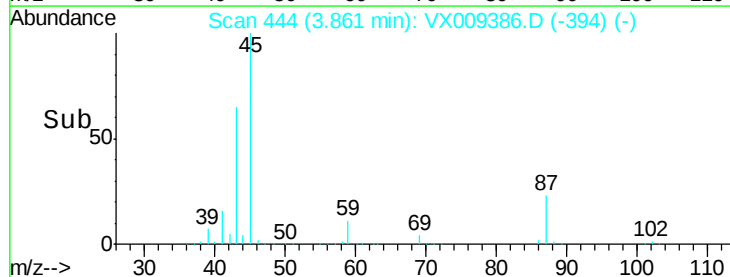
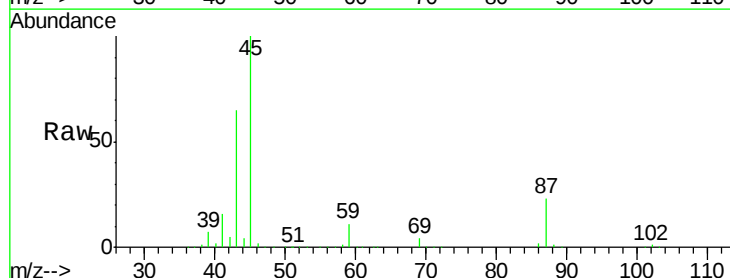
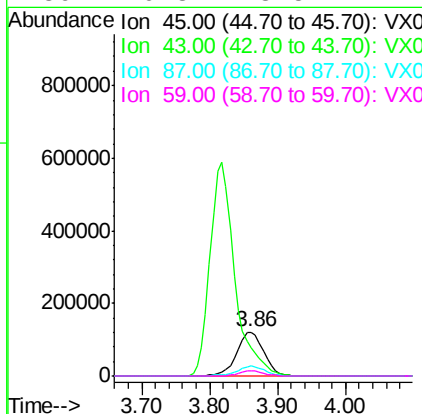
RT: 3.86 min Scan# 444

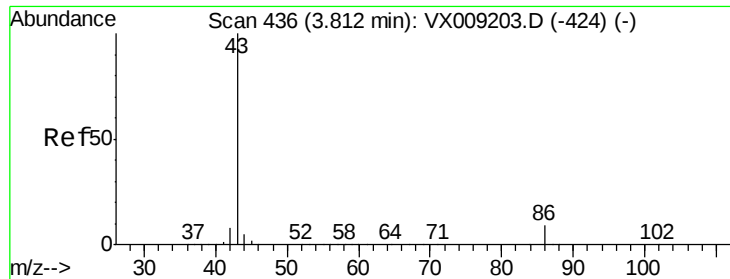
Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	45	Resp:	334226
Ion	Ratio	Lower	Upper
45	100		
43	64.4	56.1	84.1
87	23.4	18.1	27.1
59	10.8	8.5	12.7





#23

Vinyl Acetate

Concen: 251.928 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 43 Resp: 1498479

Ion Ratio Lower Upper

43 100

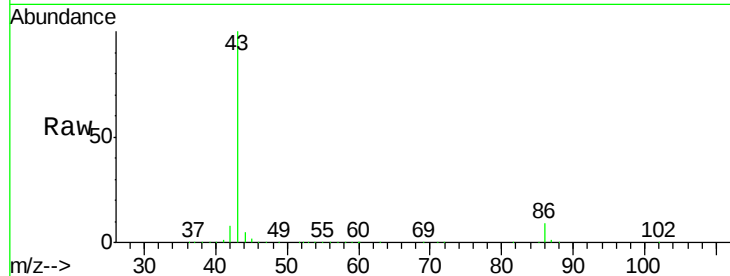
86 8.7 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

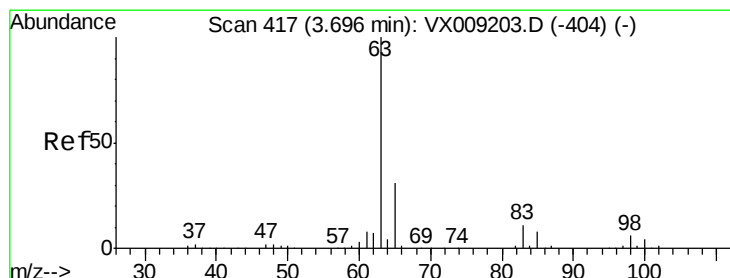
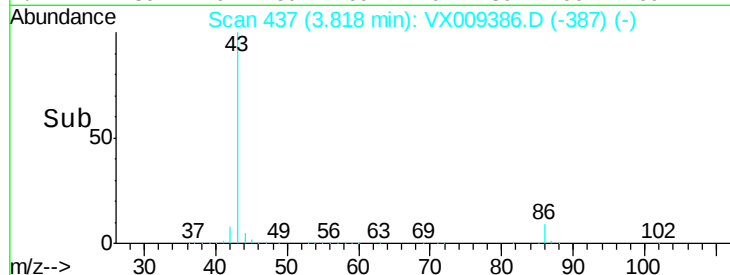
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.571 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

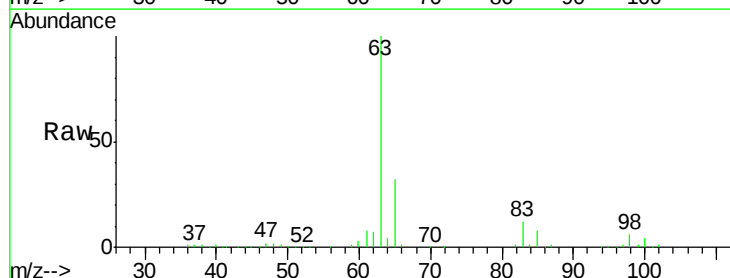
Tgt Ion: 63 Resp: 159581

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

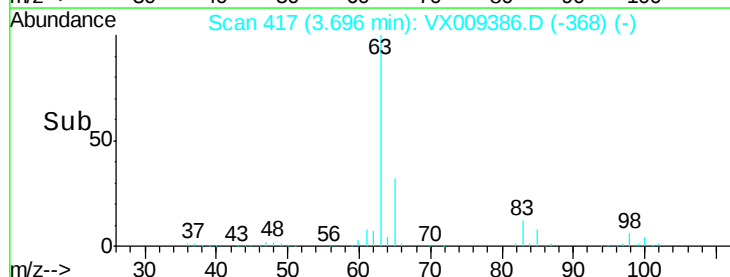
60000

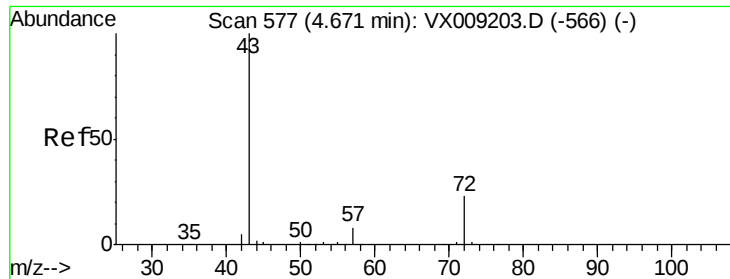
40000

20000

0

Time-->





#25

2-Butanone

Concen: 260.101 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 43 Resp: 467995

Ion Ratio Lower Upper

43 100

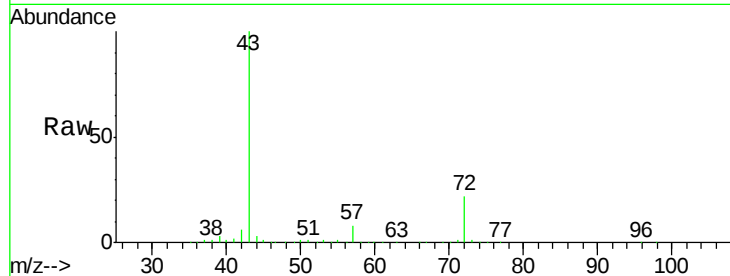
72 22.1 18.2 27.2

Manual Integrations

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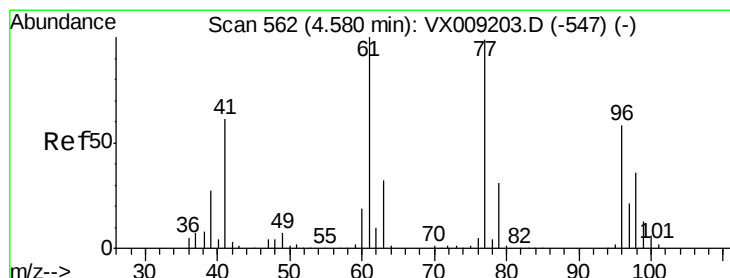
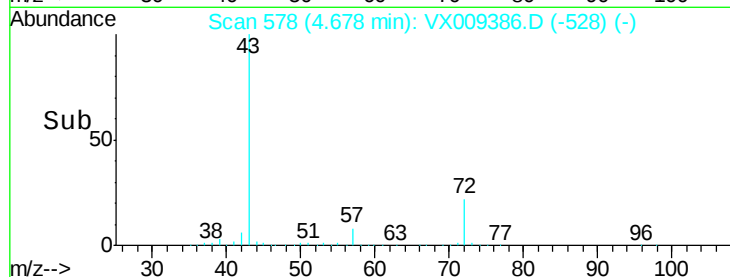
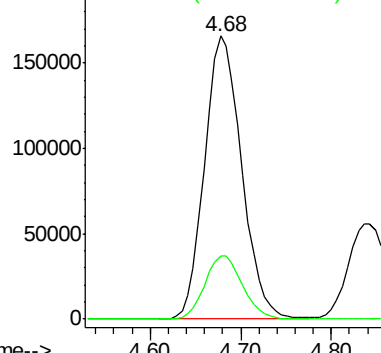
MMDadoda

5/8/2019 10:40:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 41.740 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009386.D

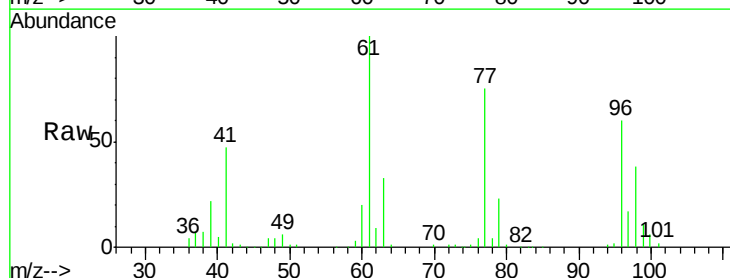
Acq: 07 May 2019 18:52

Tgt Ion: 77 Resp: 106460

Ion Ratio Lower Upper

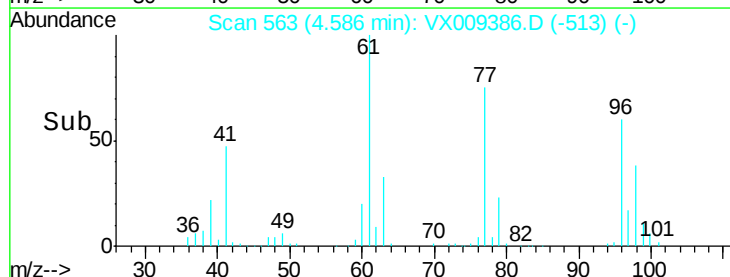
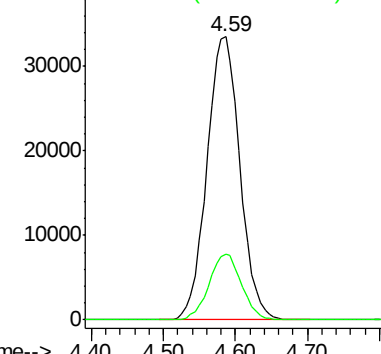
77 100

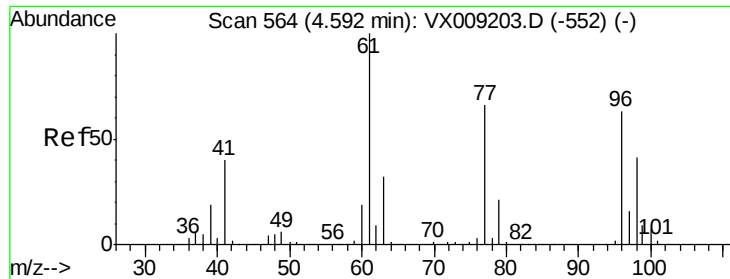
97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

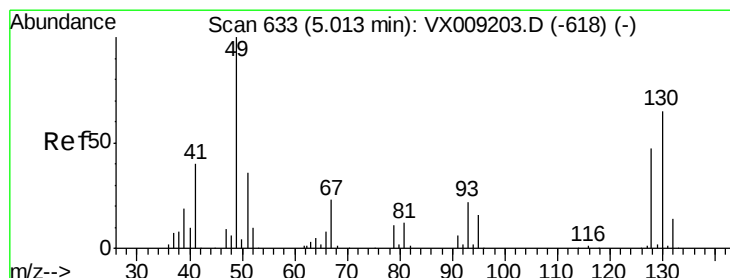
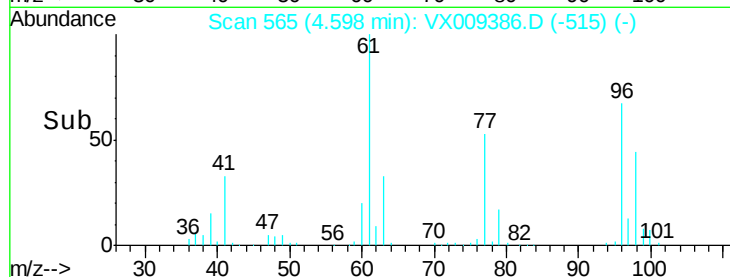
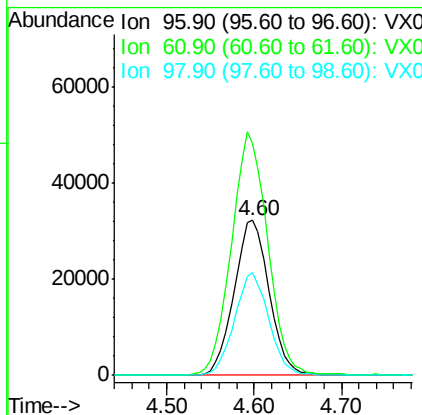
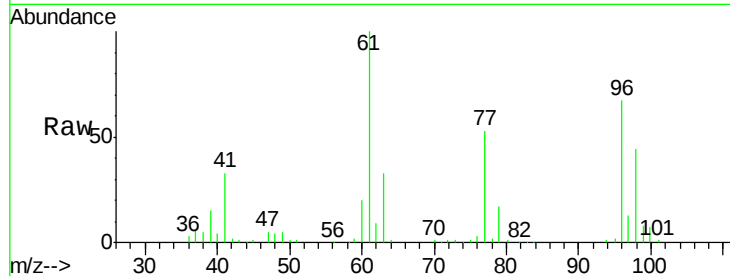
cis-1,2-Dichloroethene
Concen: 46.884 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.8	0.0	324.0	
98	64.7	0.0	130.4	

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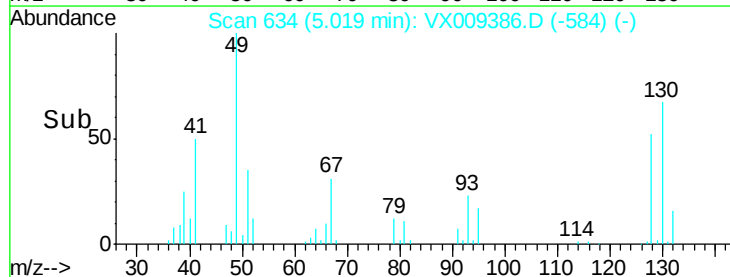
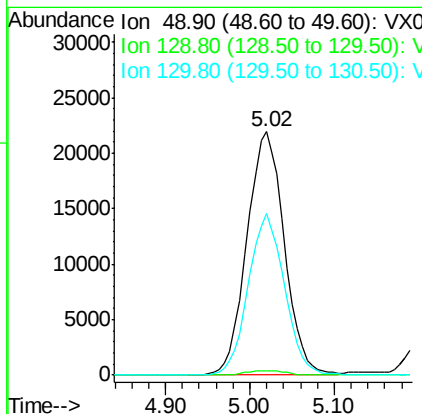
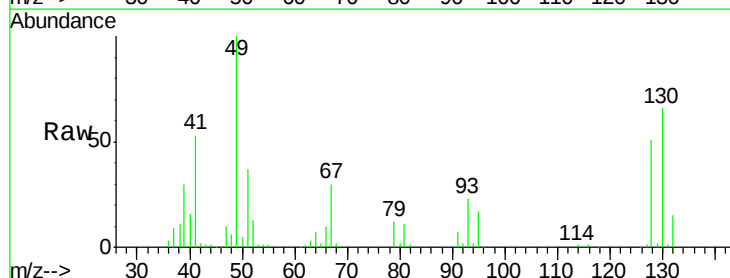
MMDadoda
5/8/2019 10:40:39 AM

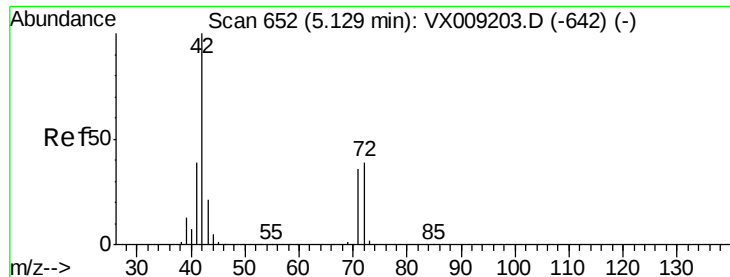


#28

Bromochloromethane
Concen: 47.997 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	64.1	51.2	76.8	





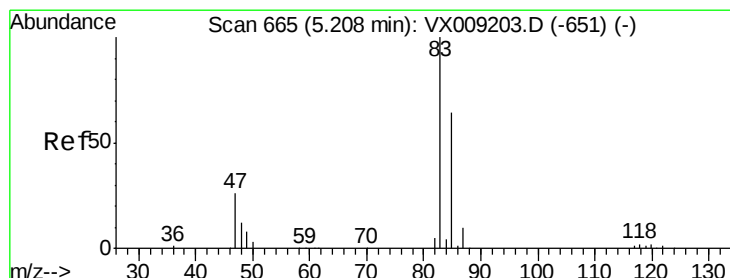
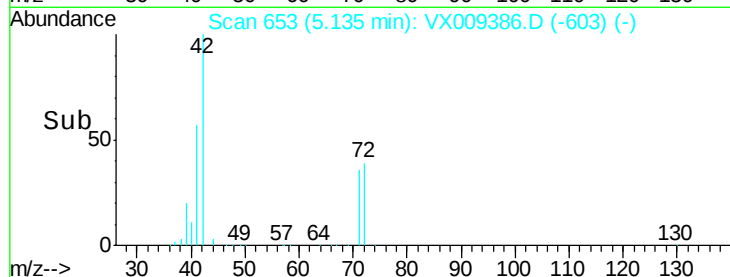
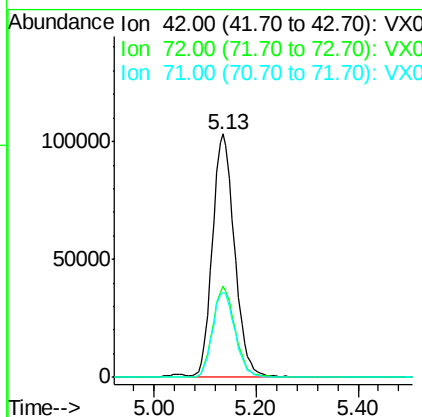
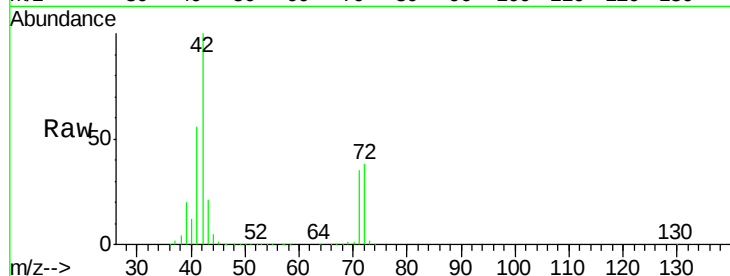
#29
Tetrahydrofuran
Concen: 267.401 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.4	45.6
71	35.5	28.6	43.0

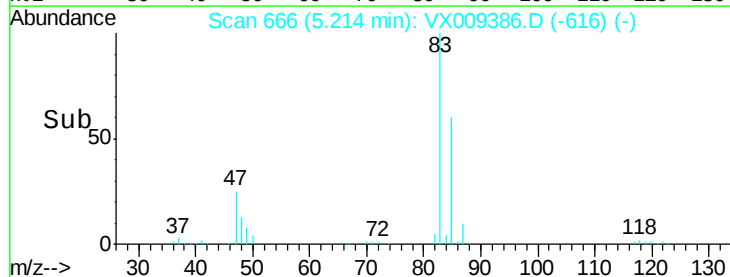
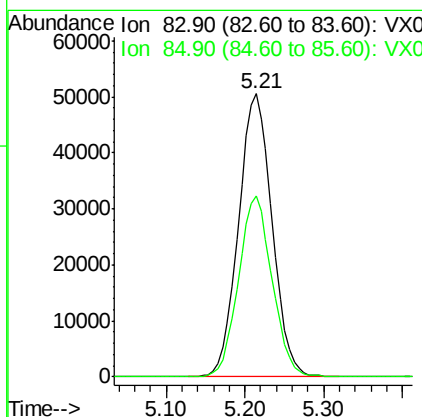
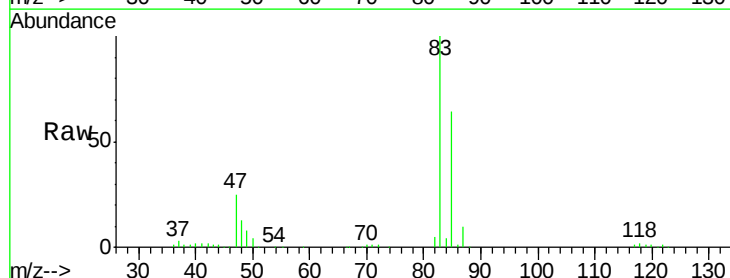
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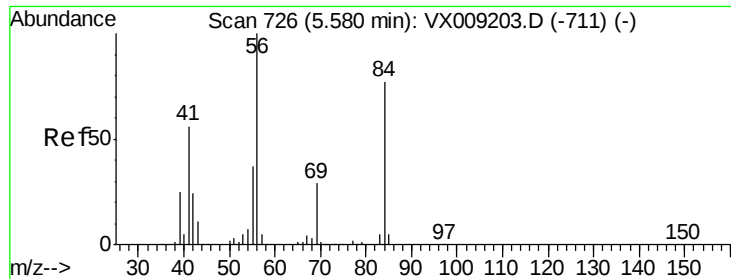
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#30
Chloroform
Concen: 48.223 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3





#31

Cyclohexane

Concen: 44.852 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

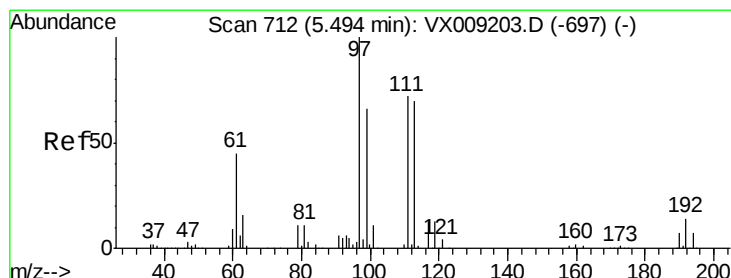
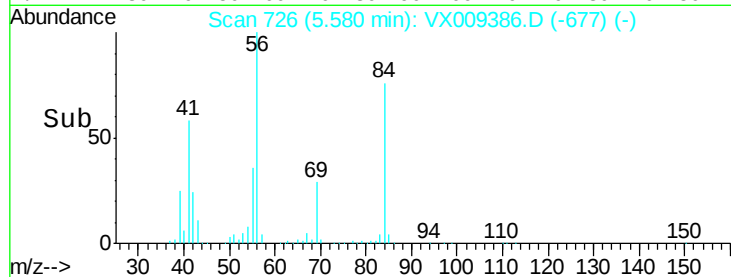
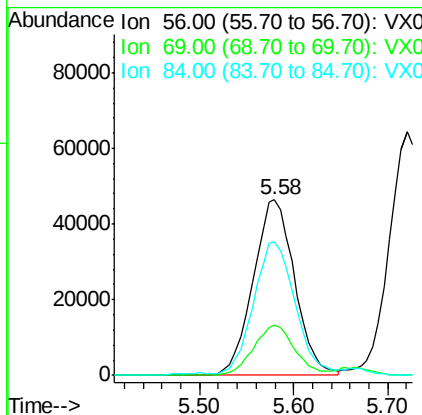
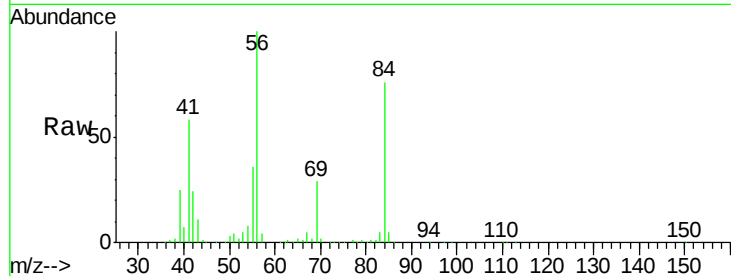
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	56	Resp:	142988
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.0
84	74.8	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 47.289 ug/l

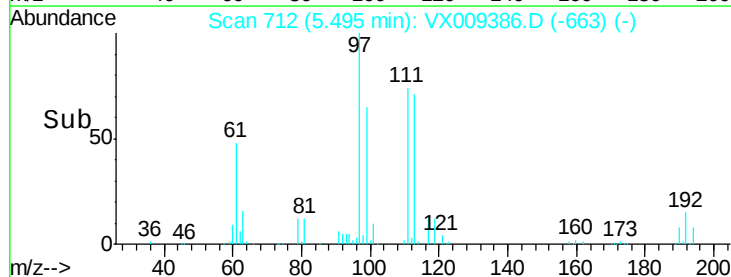
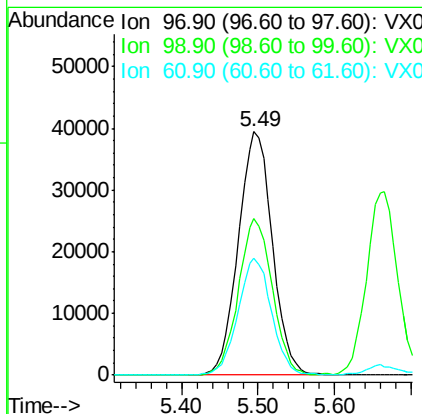
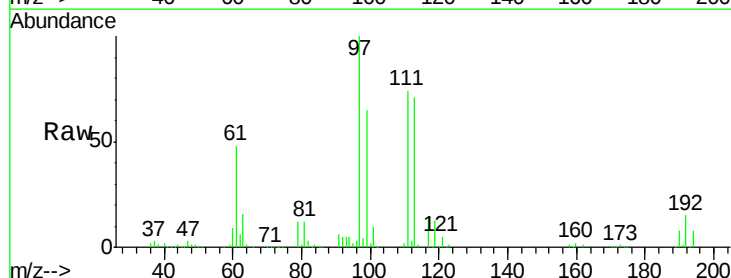
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	97	Resp:	122001
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	47.4	37.8	56.8





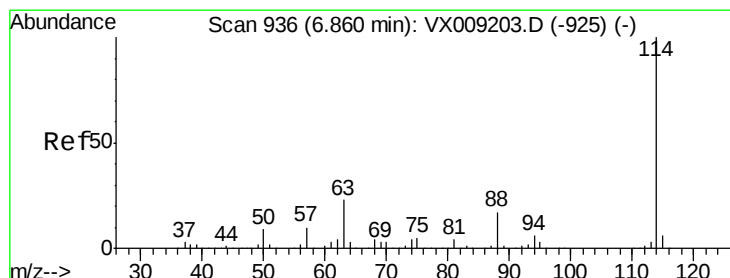
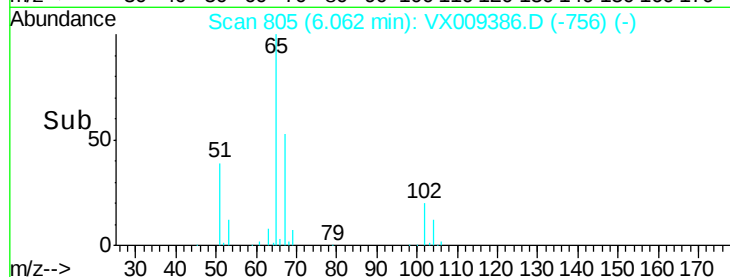
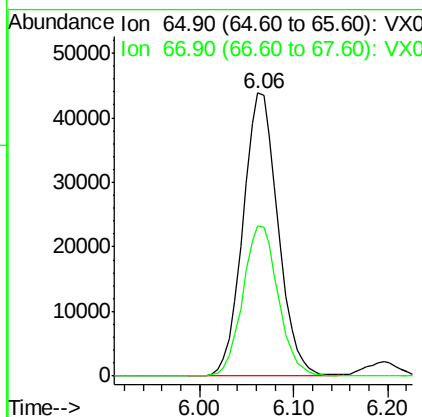
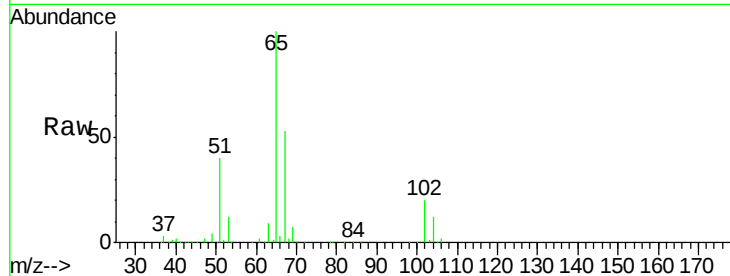
#33
 1,2-Dichloroethane-d4
 Concen: 53.153 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	106.6	

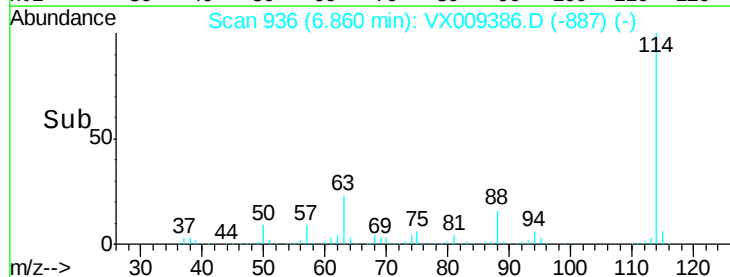
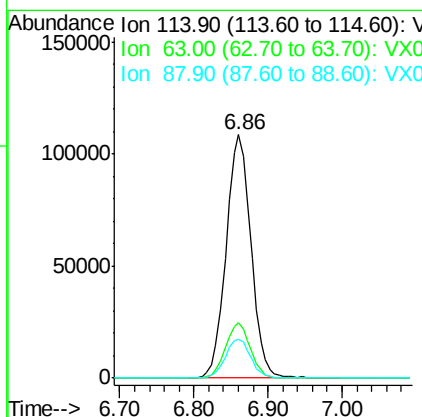
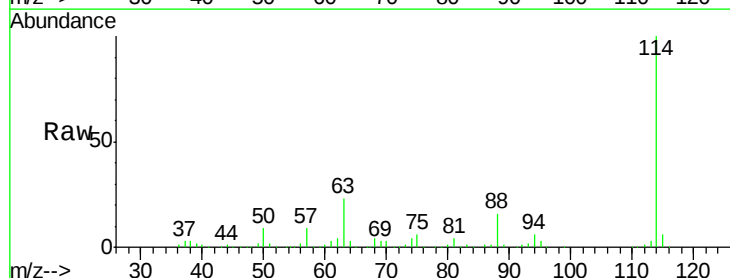
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	45.6	
88	16.0	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.816 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

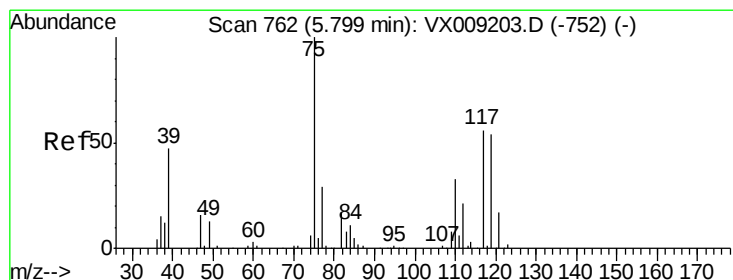
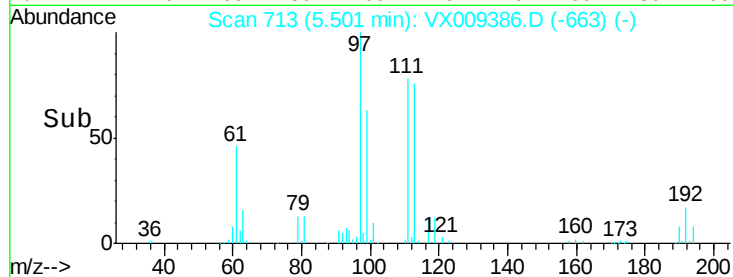
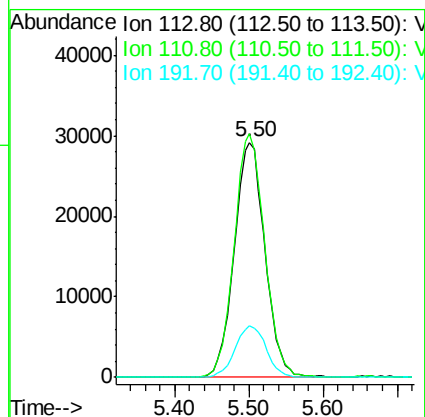
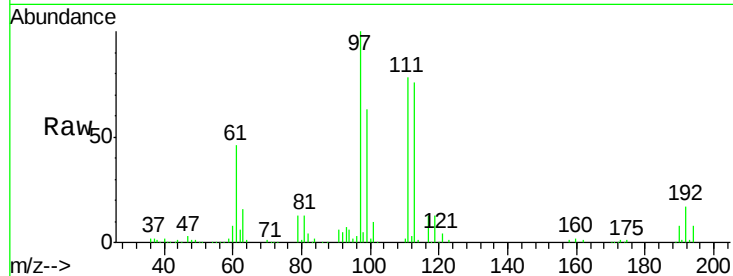
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	113	Resp:	84183
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	22.3	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 45.599 ug/l

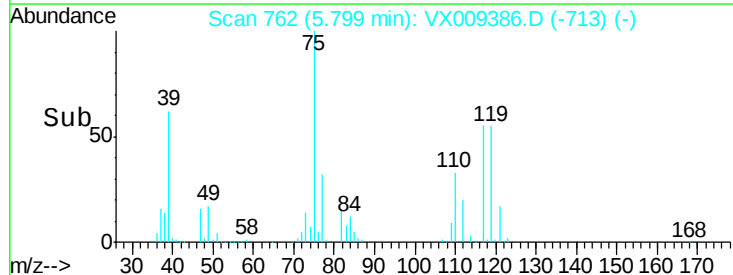
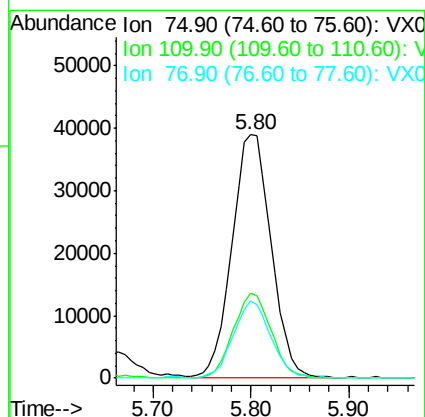
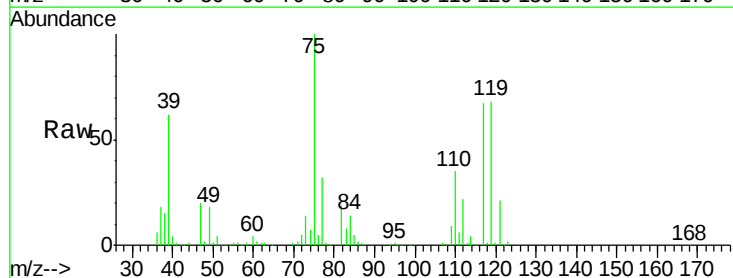
RT: 5.80 min Scan# 762

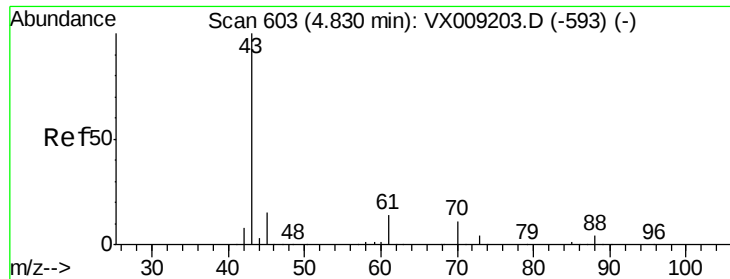
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	75	Resp:	107443
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	30.2	24.8	37.2





#37

Ethyl Acetate

Concen: 51.492 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

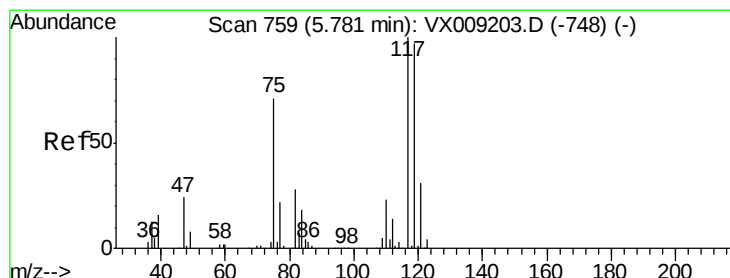
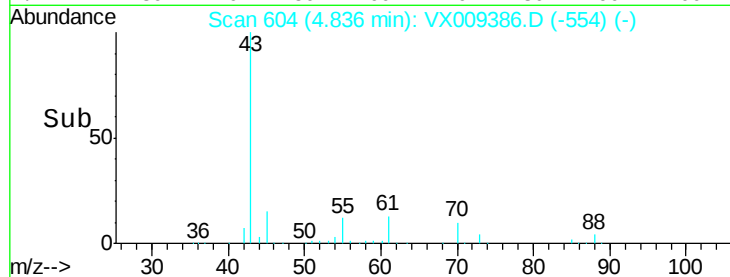
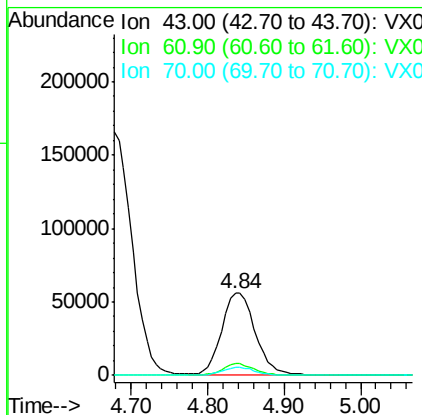
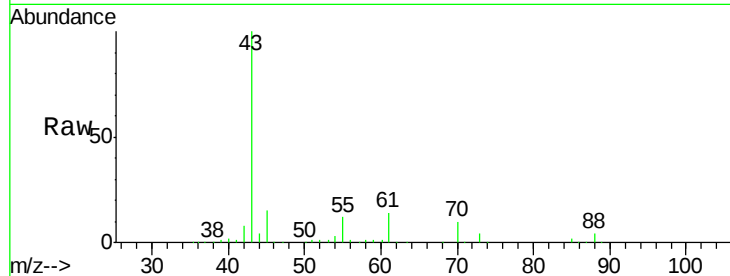
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	43	Resp:	169046
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.5	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 47.574 ug/l

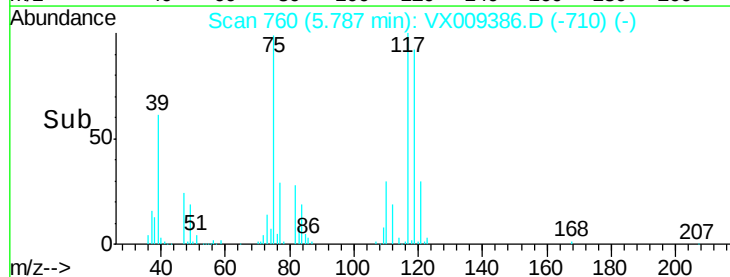
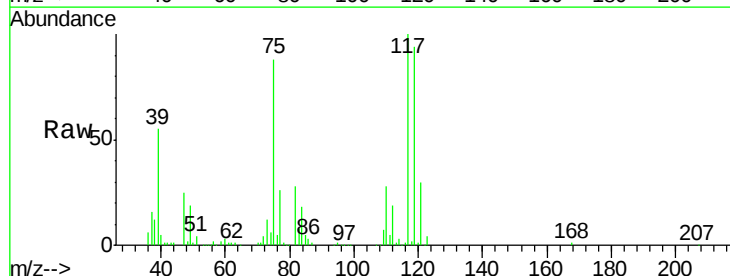
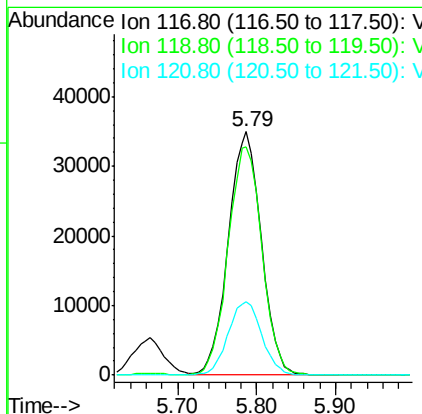
RT: 5.79 min Scan# 760

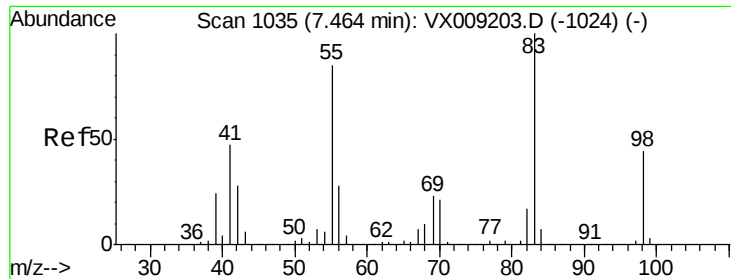
Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	117	Resp:	101846
Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.5	116.3
121	30.2	24.7	37.1





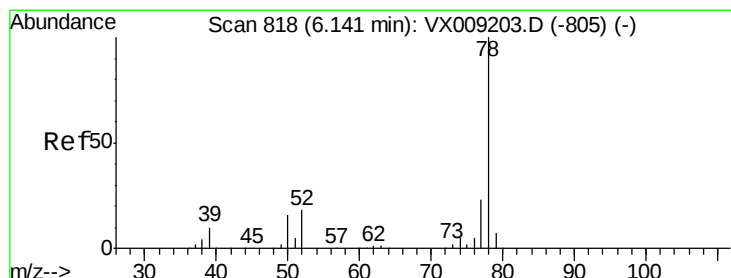
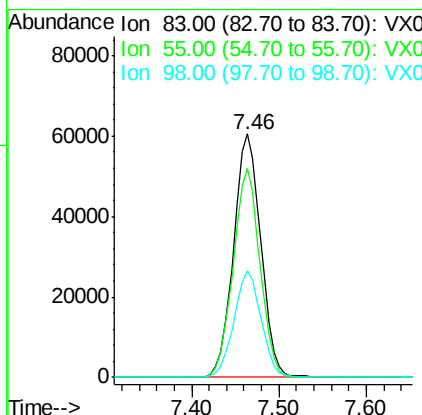
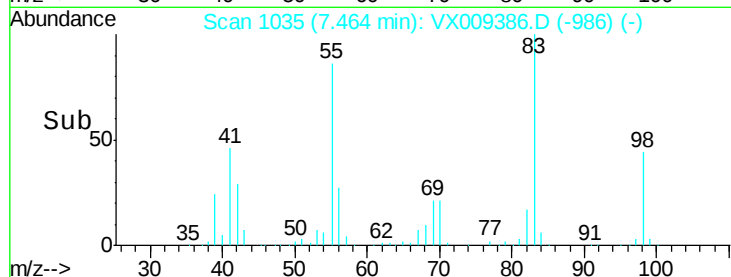
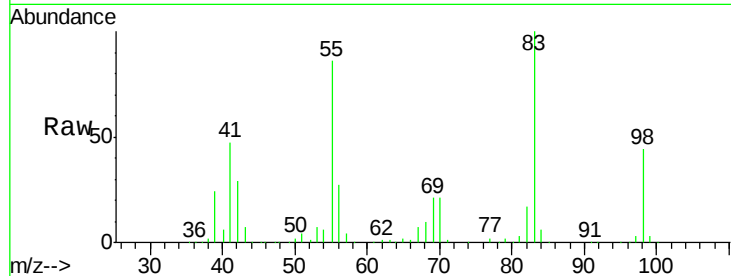
#39
Methvlcvclohexane
Concen: 45.397 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	83	Resp	131366
Ion Ratio	Lower	Upper	
83	100		
55	86.1	67.7	101.5
98	43.8	35.5	53.3

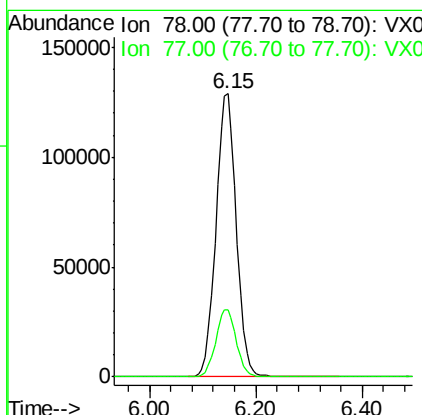
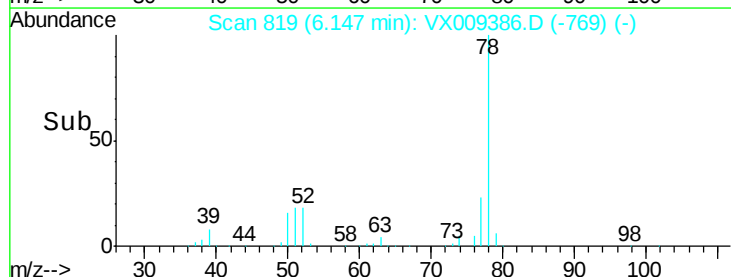
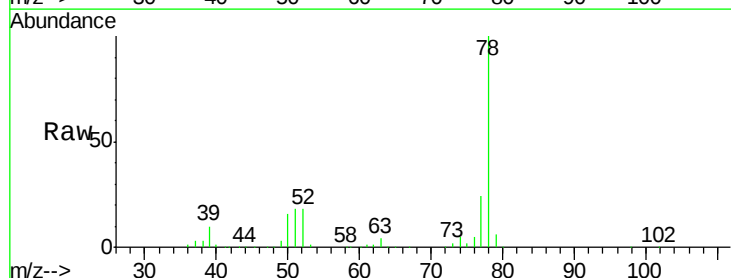
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#40
Benzene
Concen: 46.870 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	78	Resp	341785
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.8	28.2





#41

Methacrylonitrile

Concen: 49.488 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

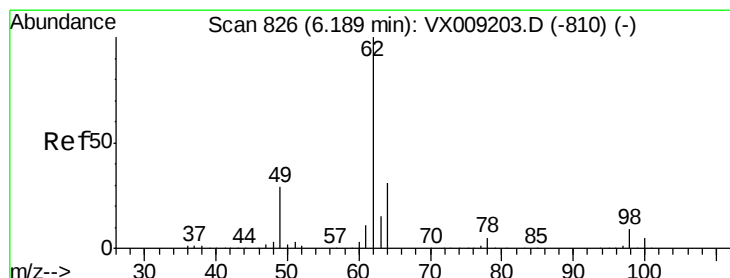
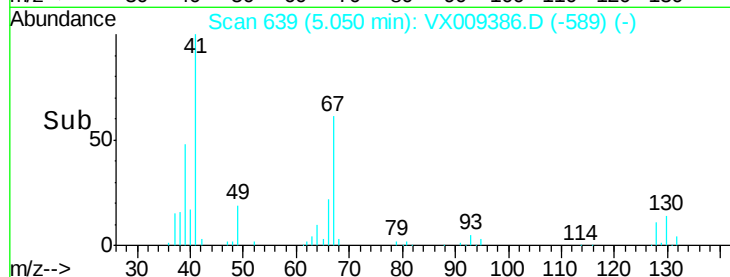
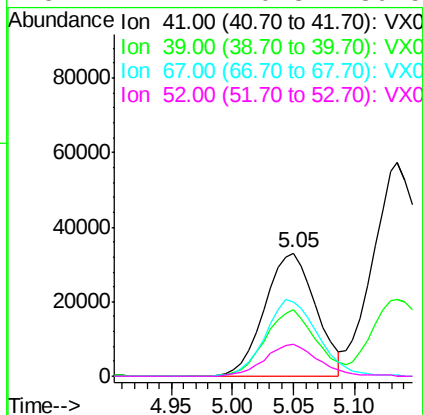
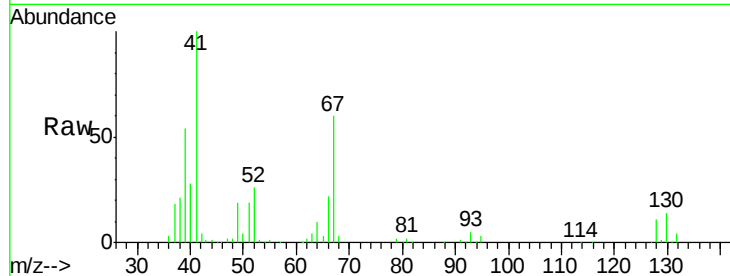
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.0	63.0	
67	63.9	49.8	74.8	
52	27.1	20.3	30.5	

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#42

1,2-Dichloroethane

Concen: 48.129 ug/l

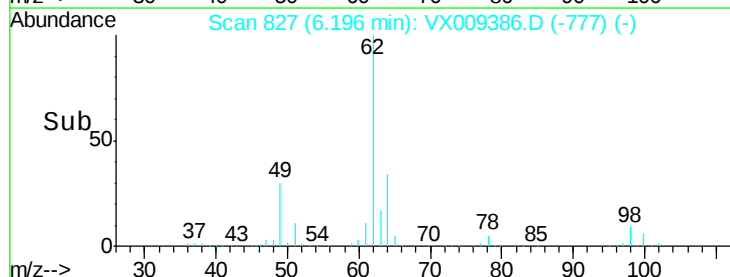
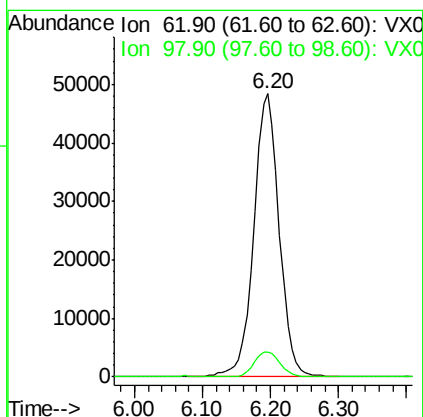
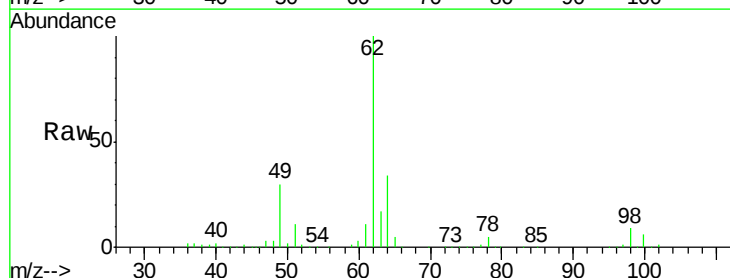
RT: 6.20 min Scan# 827

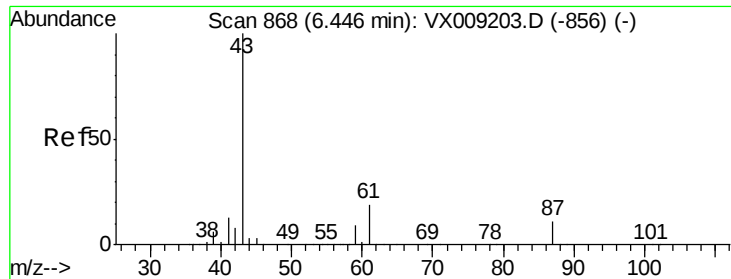
Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.2	





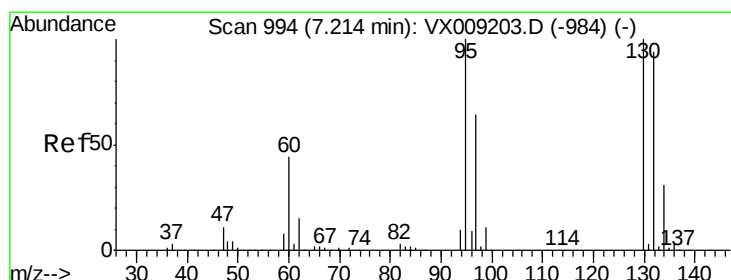
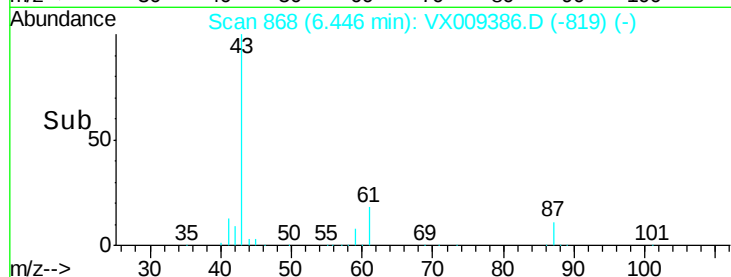
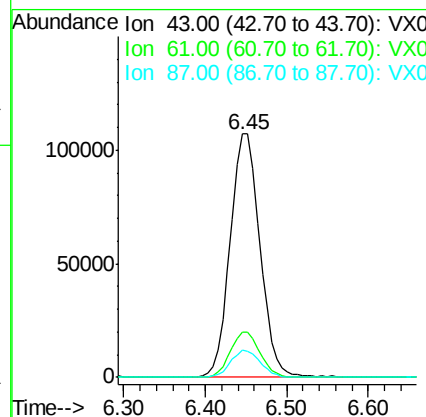
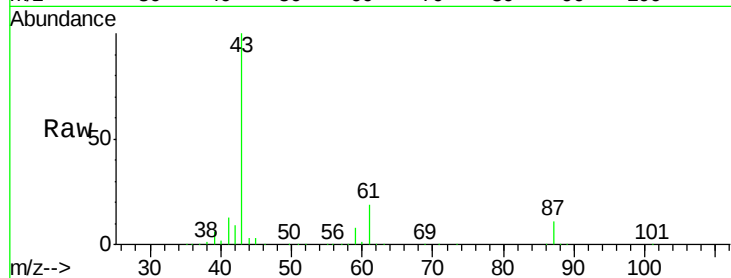
#43
Isopropyl Acetate
Concen: 51.183 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.2	9.0	13.6

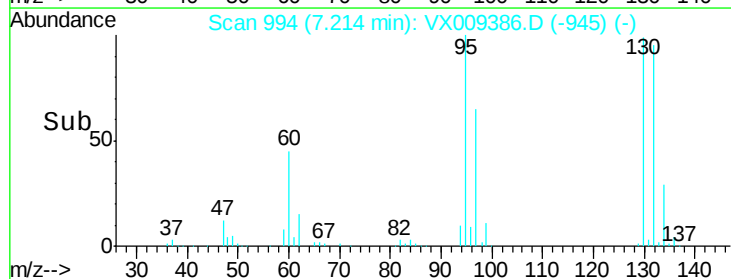
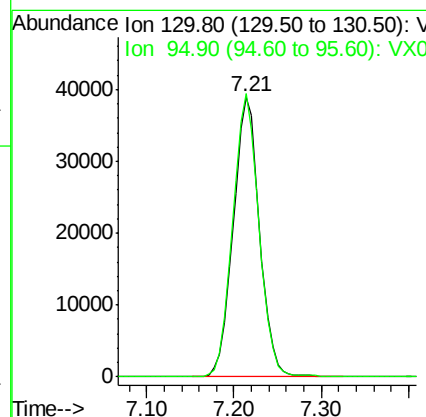
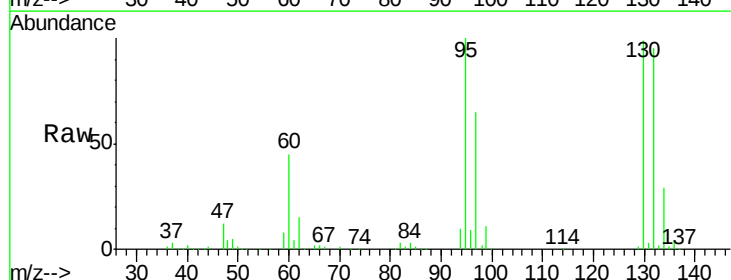
Manual Integrations
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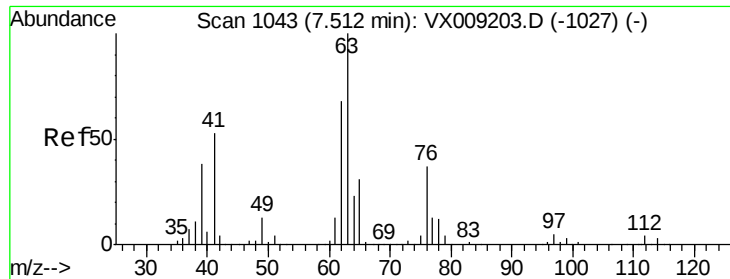
MMDadoda
5/8/2019 10:40:39 AM



#44
Trichloroethene
Concen: 46.109 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 48.405 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 63 Resp: 99949

Ion Ratio Lower Upper

63 100

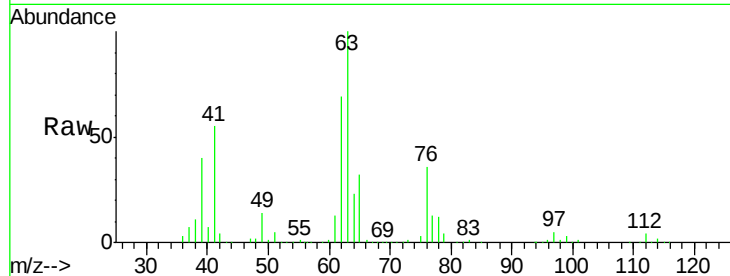
65 32.0 25.0 37.6

Manual Integrations

APPROVED

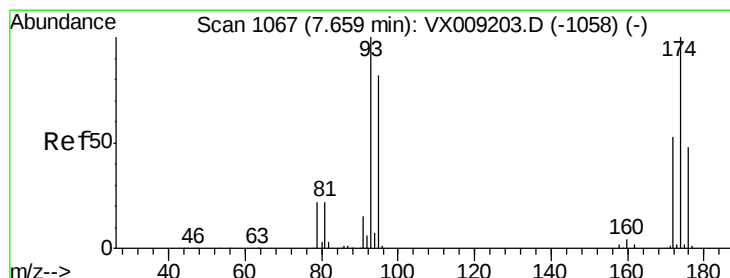
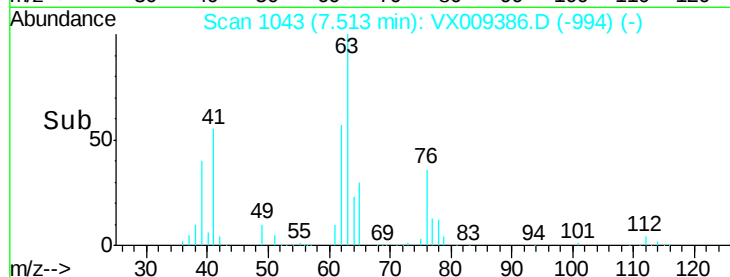
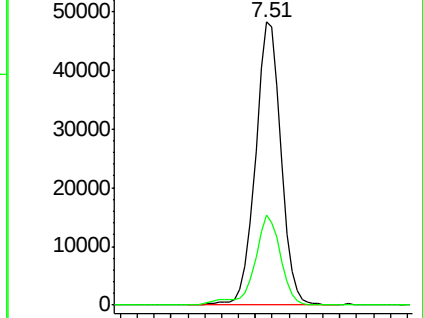
MMDadoda

5/8/2019 10:40:39 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.349 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

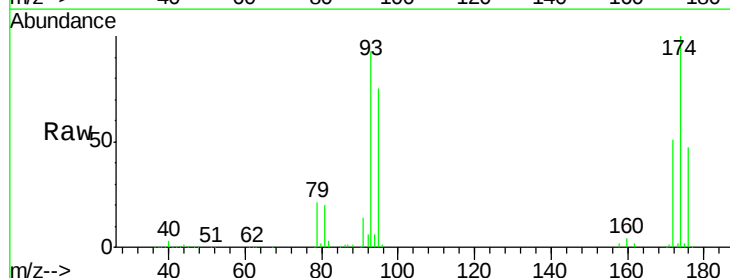
Tgt Ion: 93 Resp: 56775

Ion Ratio Lower Upper

93 100

95 84.1 66.5 99.7

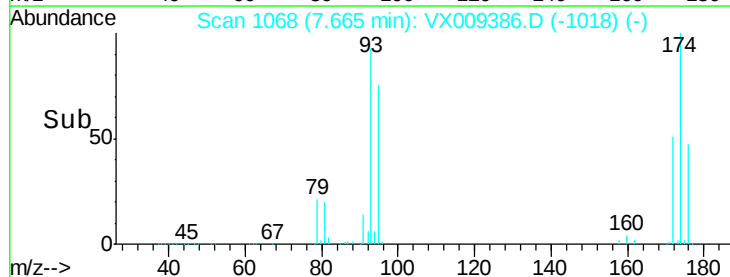
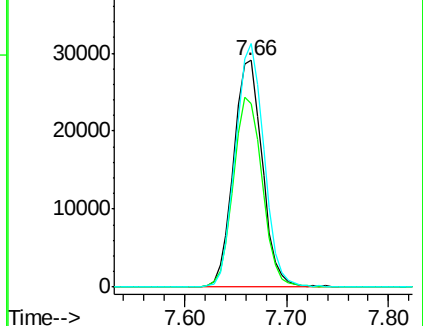
174 106.7 82.1 123.1

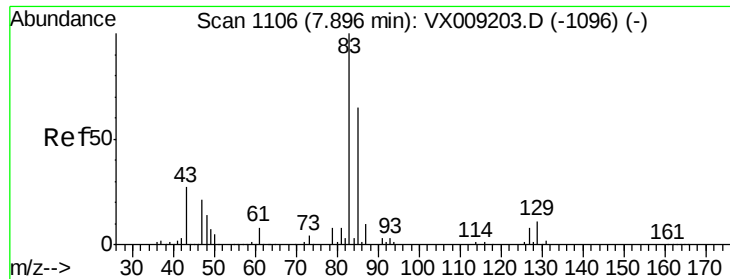


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.407 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

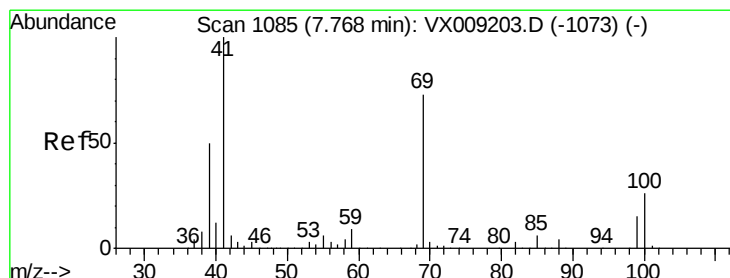
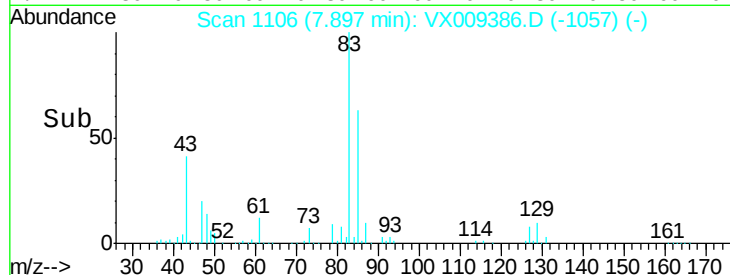
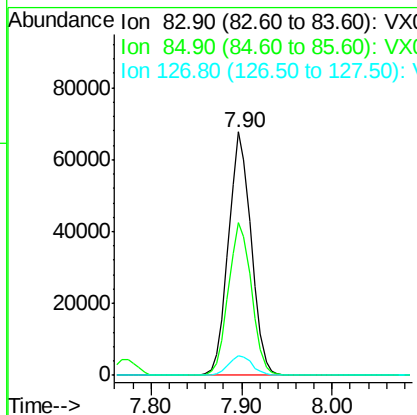
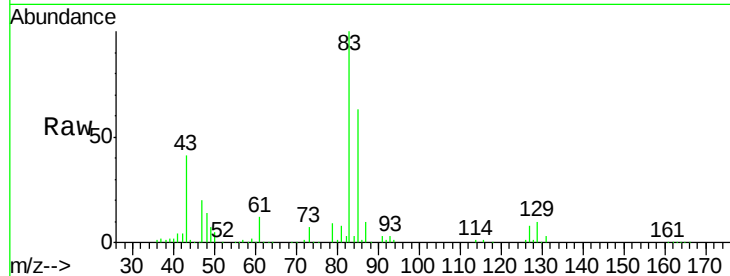
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	83	Resp:	118173
Ion Ratio	Lower	Upper	
83	100		
85	62.8	52.4	78.6
127	7.8	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.293 ug/l

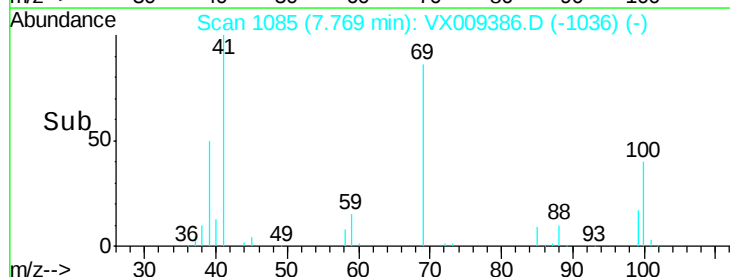
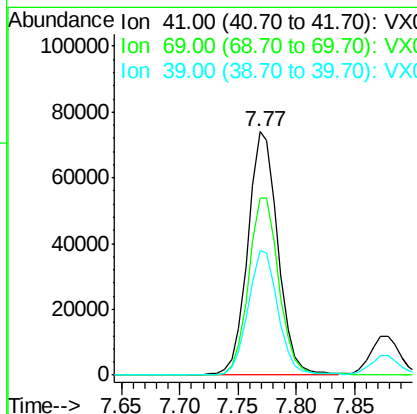
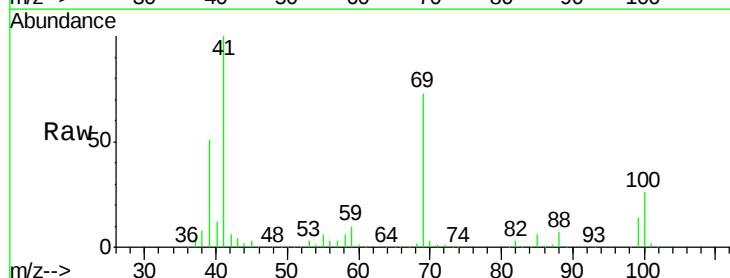
RT: 7.77 min Scan# 1085

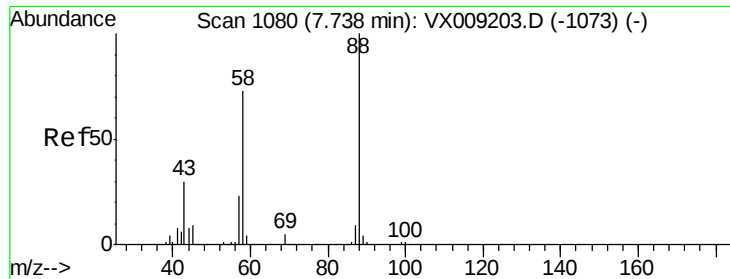
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	41	Resp:	133632
Ion Ratio	Lower	Upper	
41	100		
69	73.9	59.1	88.7
39	50.6	40.4	60.6





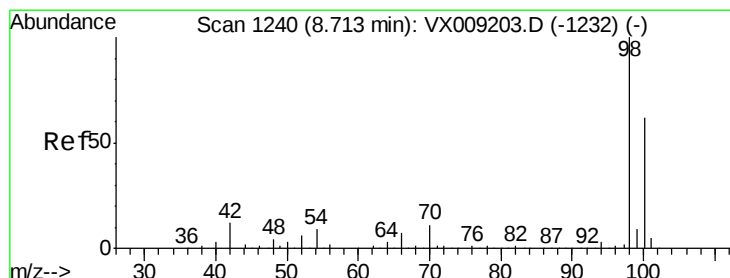
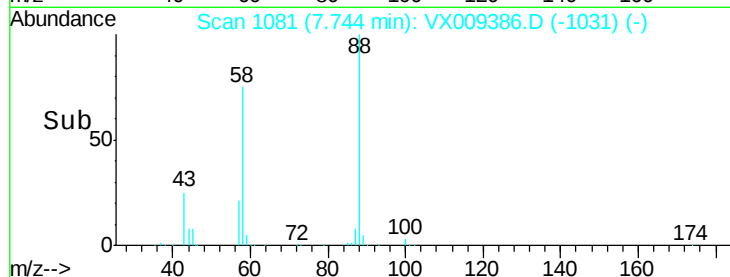
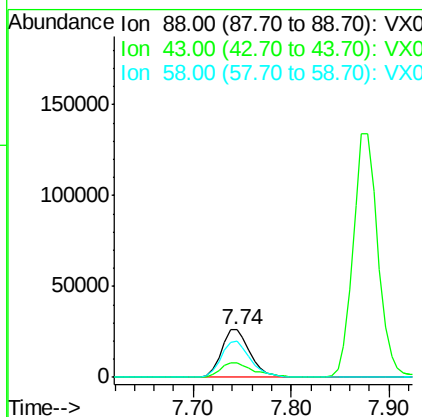
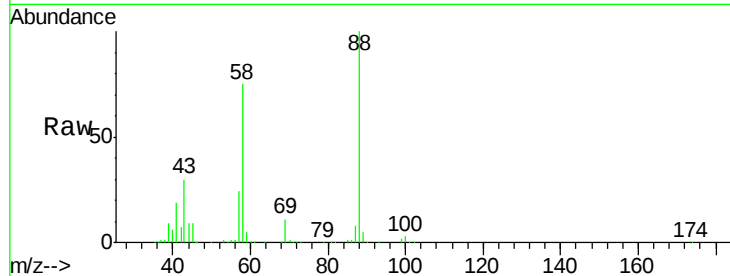
#49
1,4-Dioxane
Concen: 1005.984 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	42.8
58	78.0	61.7	92.5

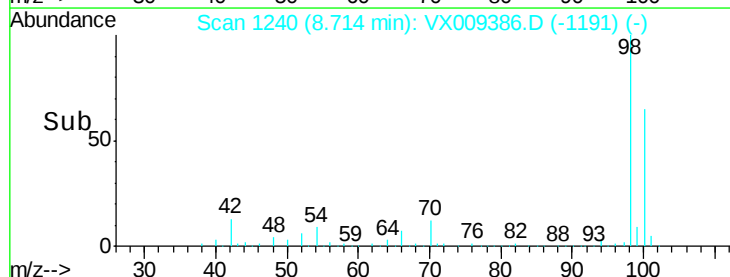
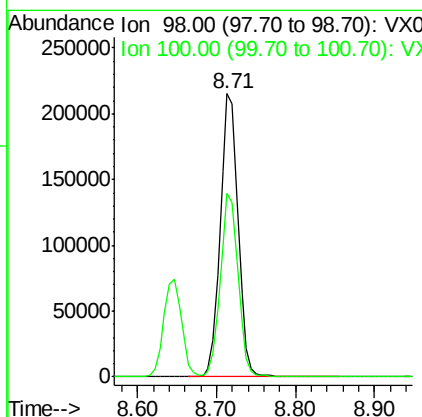
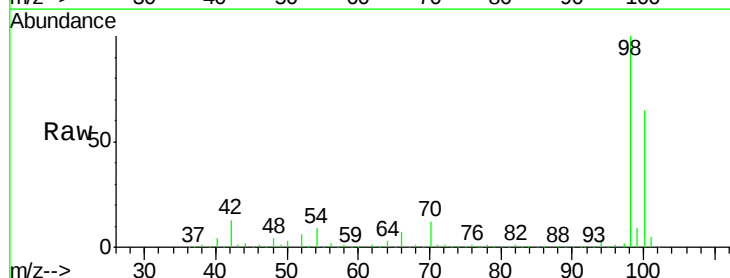
Manual Integrations
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#50
Toluene-d8
Concen: 52.655 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 269.348 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 43 Resp: 924495

Ion Ratio Lower Upper

43 100

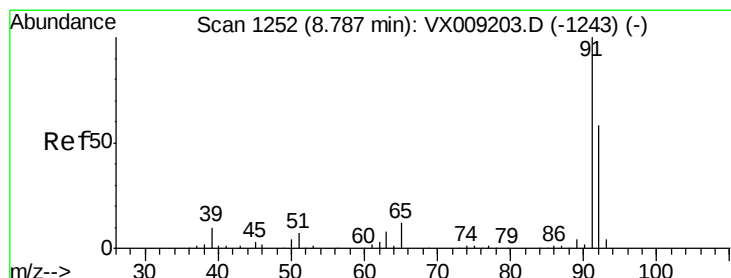
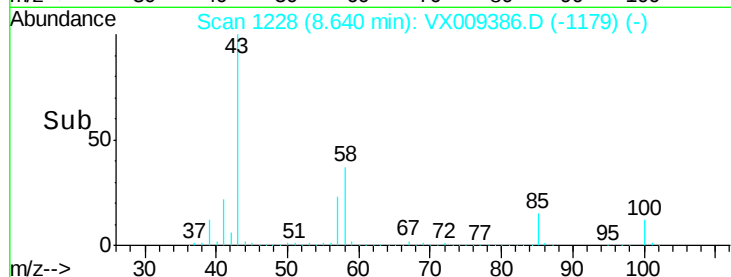
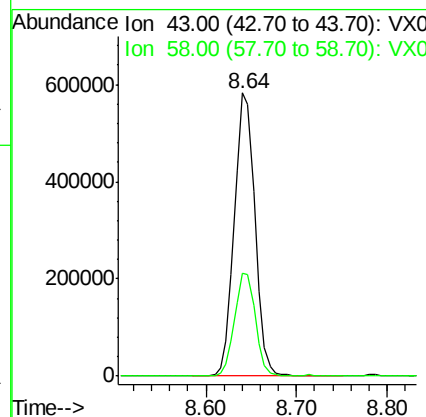
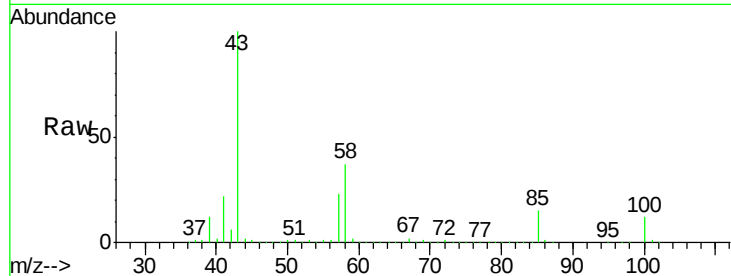
58 36.5 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 47.554 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009386.D

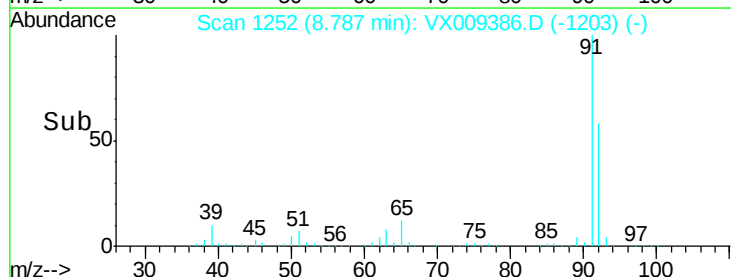
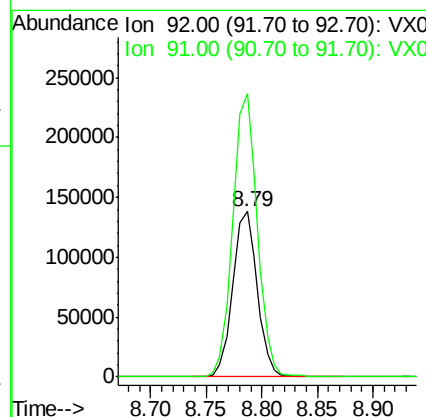
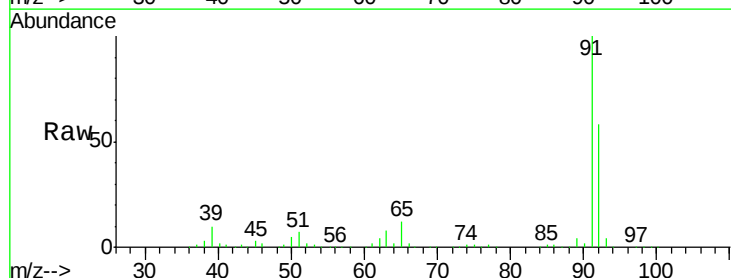
Acq: 07 May 2019 18:52

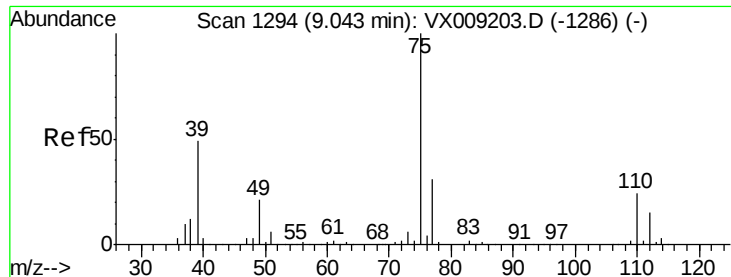
Tgt Ion: 92 Resp: 210794

Ion Ratio Lower Upper

92 100

91 171.8 138.8 208.2





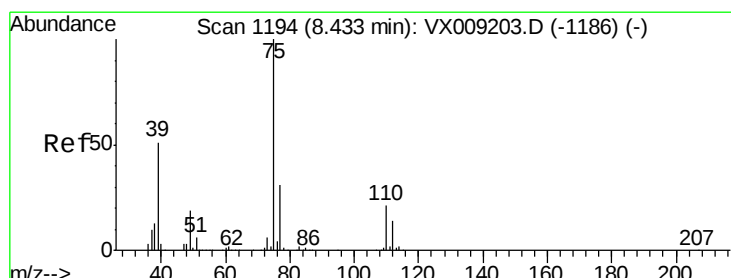
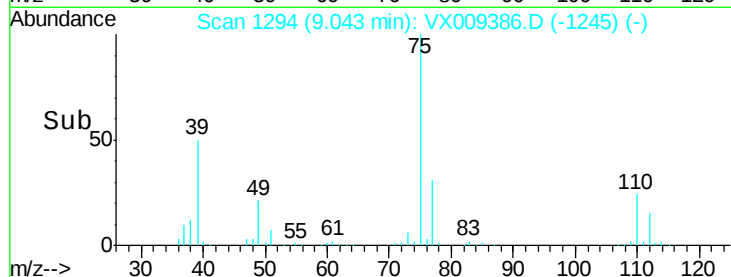
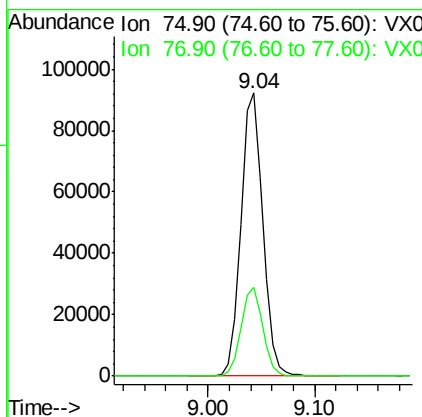
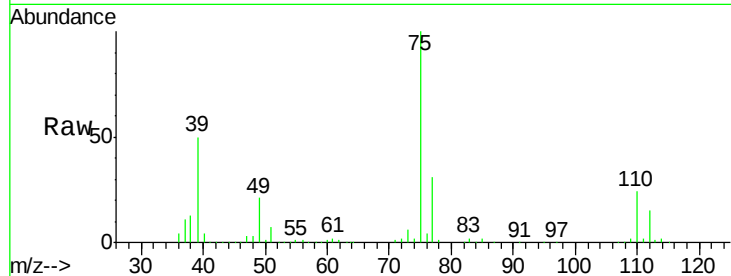
#53
t-1,3-Dichloropropene
Concen: 49.389 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion: 75 Resp: 133372
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

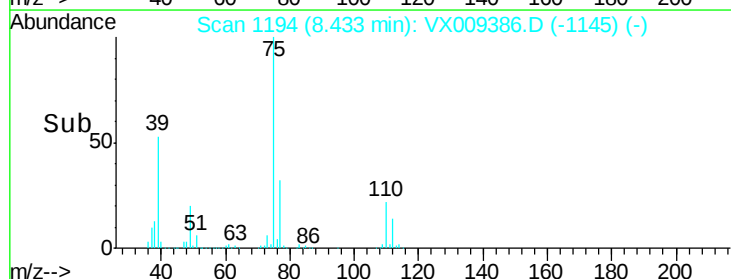
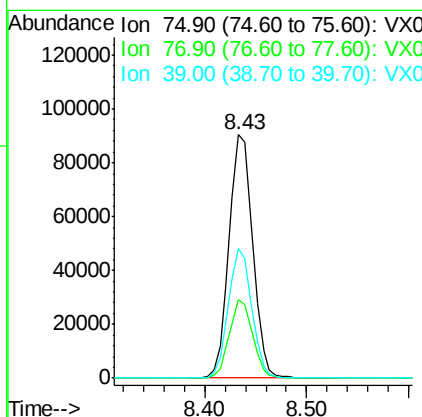
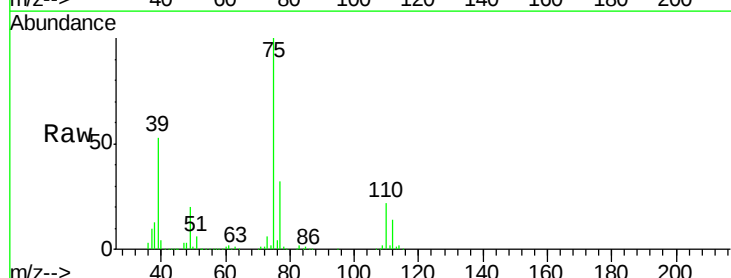
Manual Integrations
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5/8/2019 10:40:39 AM



#54
cis-1,3-Dichloropropene
Concen: 48.539 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion: 75 Resp: 145081
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 53.1 40.6 60.8





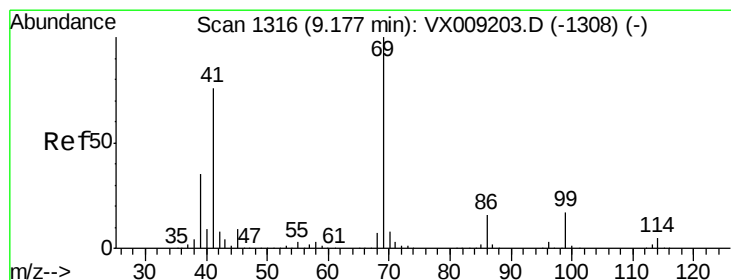
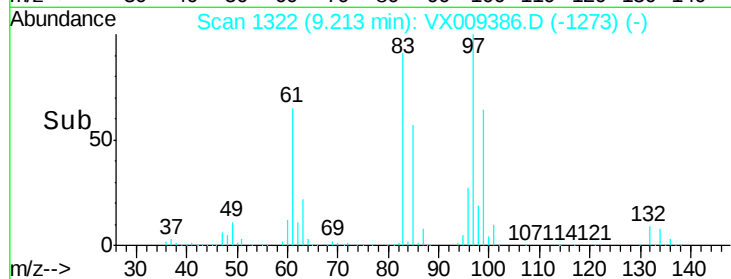
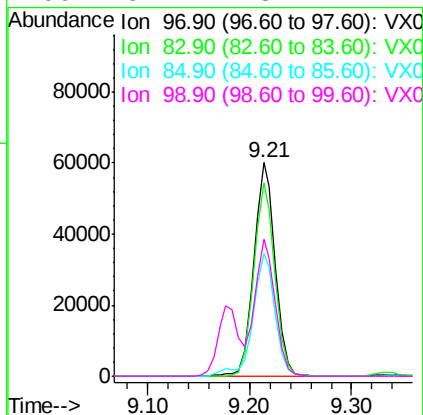
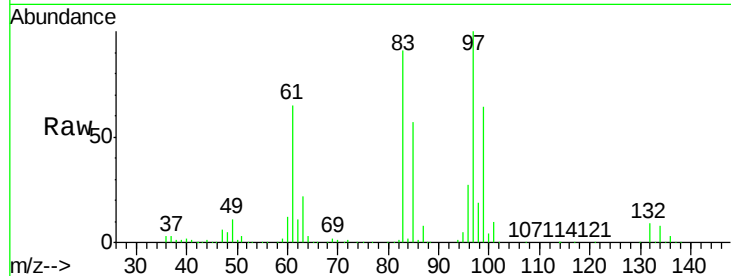
#55
 1,1,2-Trichloroethane
 Concen: 48.795 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion:	97	Resp:	88243
Ion	Ratio	Lower	Upper
97	100		
83	90.8	68.9	103.3
85	57.3	43.8	65.6
99	64.4	48.2	72.2

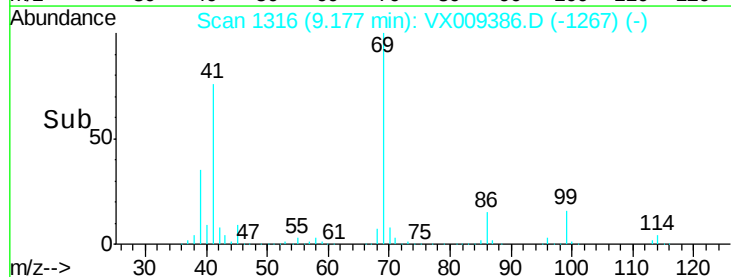
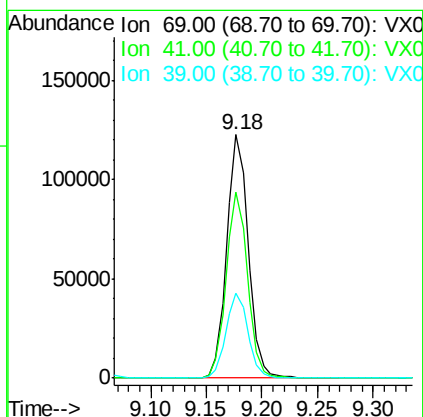
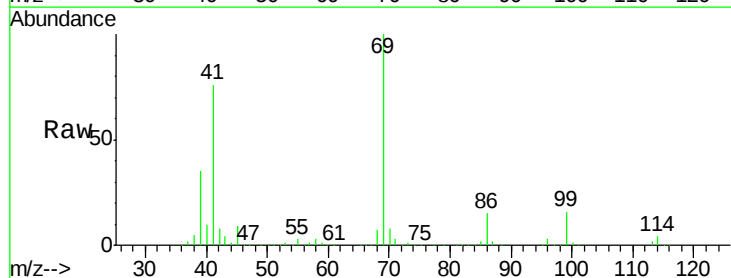
Manual Integrations
 APPROVED

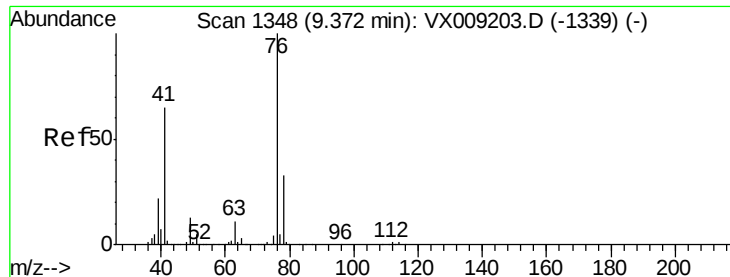
MMDadoda
 5/8/2019 10:40:39 AM



#56
 Ethyl methacrylate
 Concen: 50.969 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion:	69	Resp:	164537
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	35.5	28.2	42.4





#57

1,3-Dichloropropane

Concen: 48.361 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 76 Resp: 153904

Ion Ratio Lower Upper

76 100

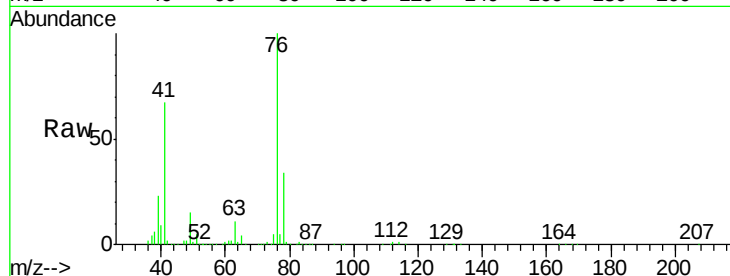
78 32.3 25.5 38.3

Manual Integrations

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MMDadoda

5/8/2019 10:40:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

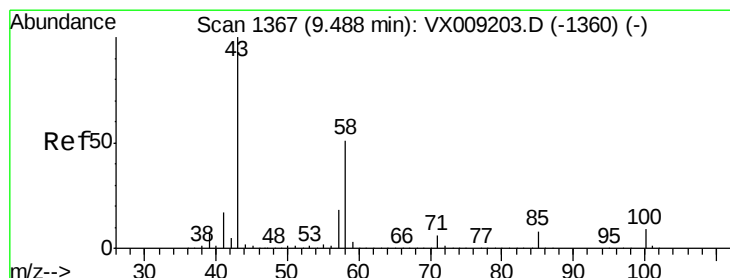
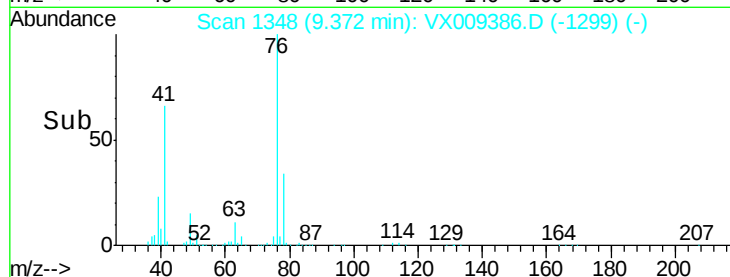
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 272.377 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009386.D

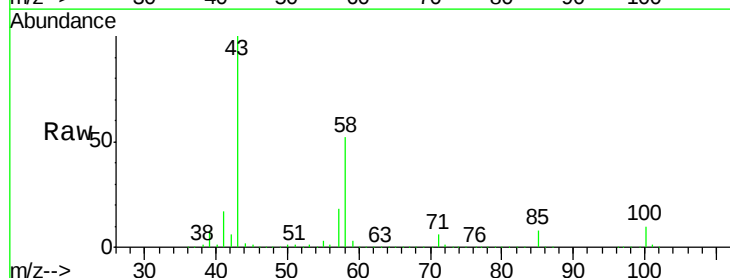
Acq: 07 May 2019 18:52

Tgt Ion: 43 Resp: 734252

Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

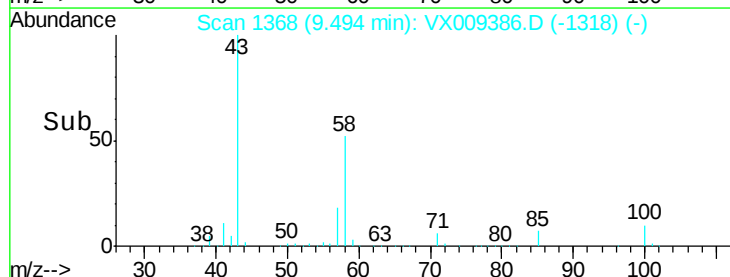
300000

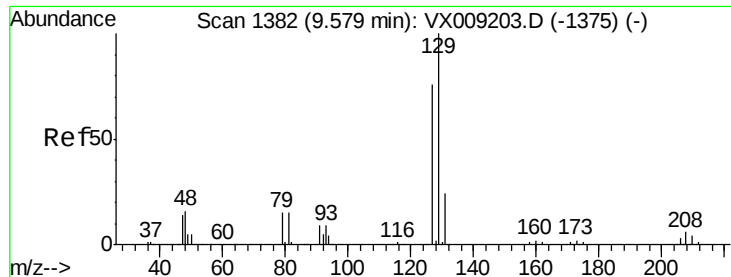
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 50.296 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:129 Resp: 88837

Ion Ratio Lower Upper

129 100

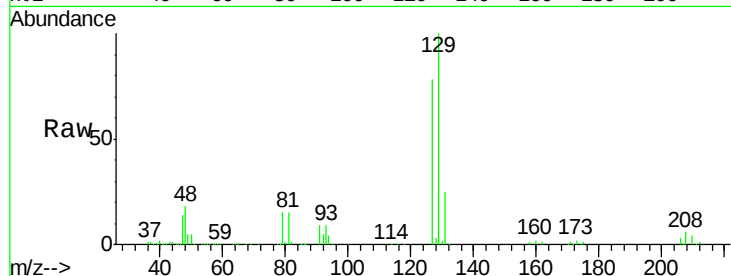
127 77.4 38.4 115.1

Manual Integrations

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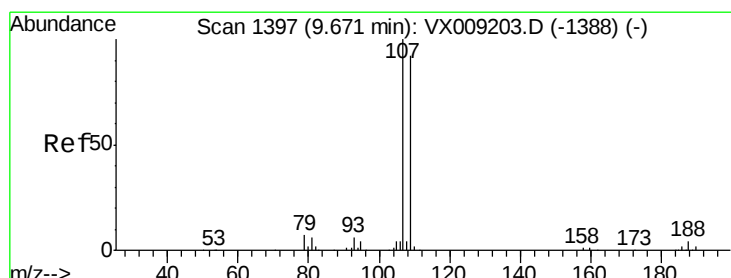
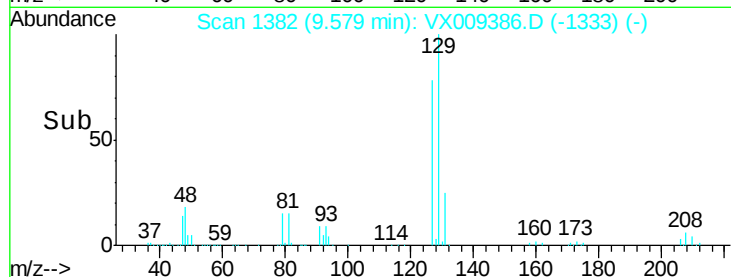
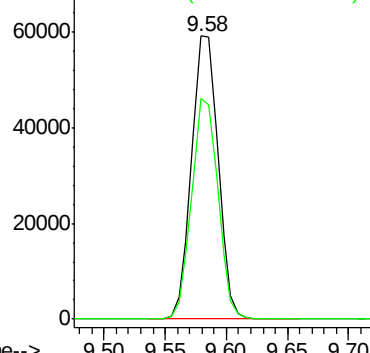
MMDadoda

5/8/2019 10:40:39 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.686 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009386.D

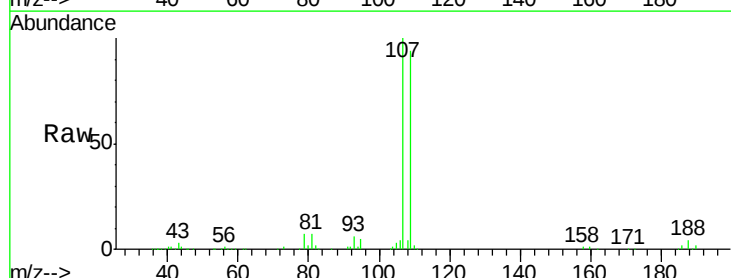
Acq: 07 May 2019 18:52

Tgt Ion:107 Resp: 90702

Ion Ratio Lower Upper

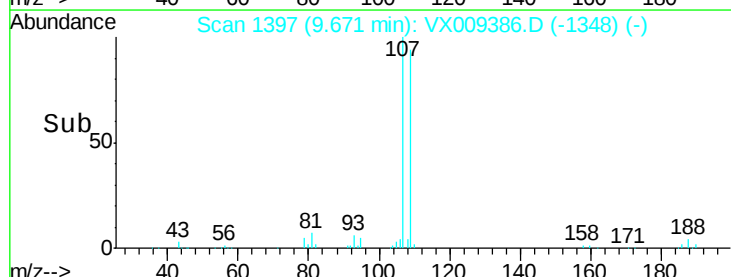
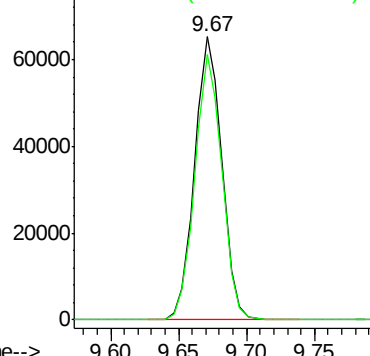
107 100

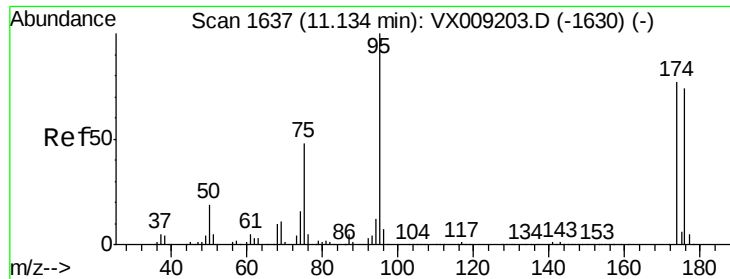
109 93.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 54.002 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 95 Resp: 126268

Ion Ratio Lower Upper

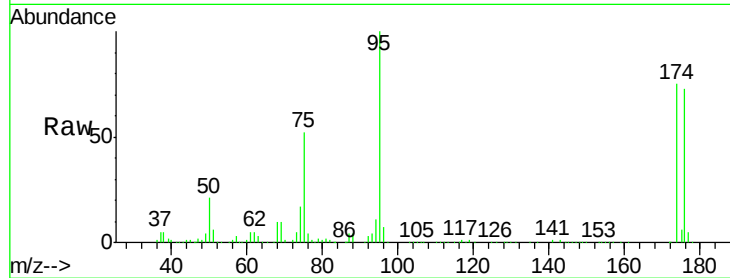
95 100

174 81.4 0.0 161.6

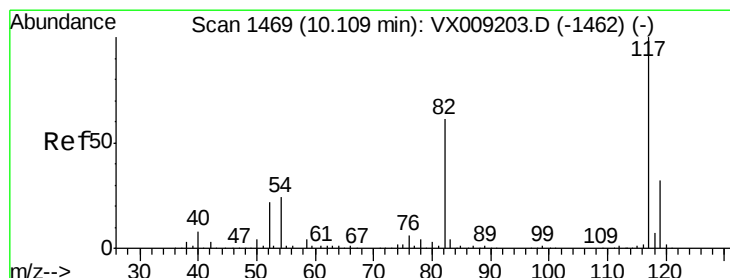
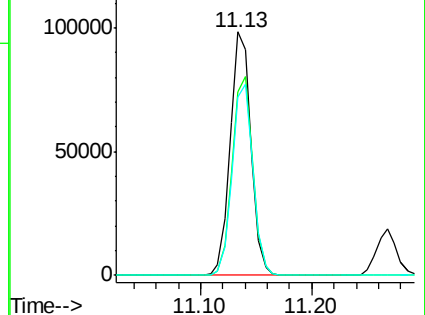
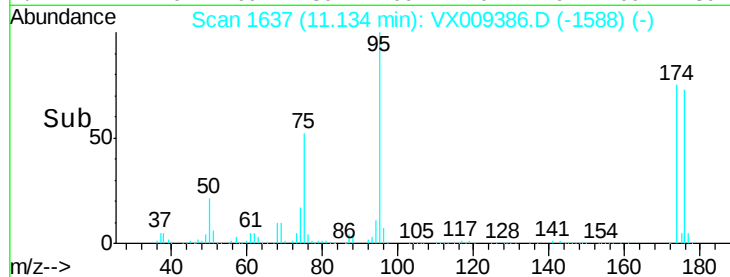
176 78.9 0.0 159.2

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VX009386.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

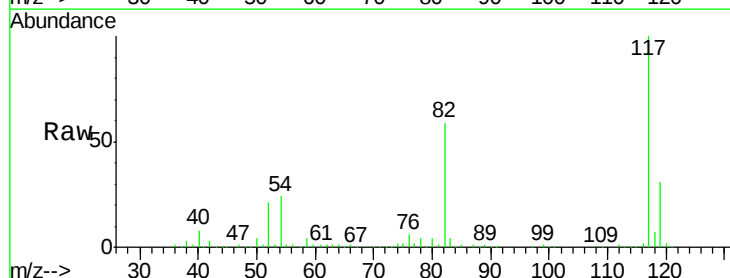
Tgt Ion: 117 Resp: 231873

Ion Ratio Lower Upper

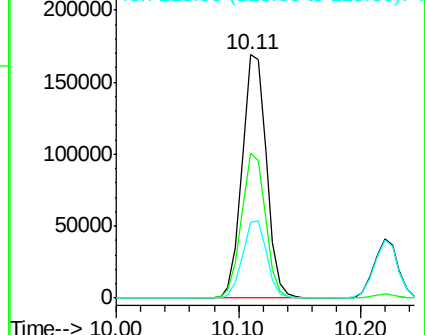
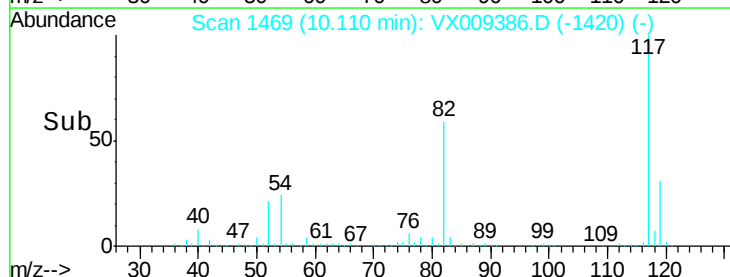
117 100

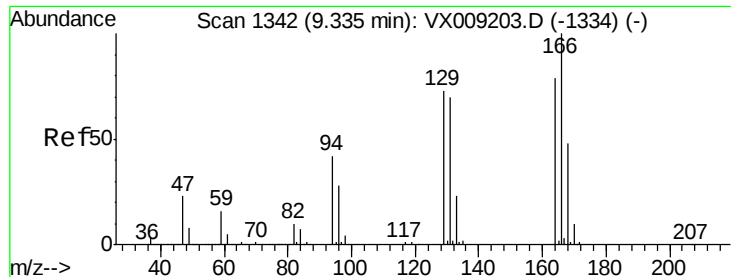
82 59.5 48.8 73.2

119 31.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009386.D (-1420) (-)





#64

Tetrachloroethene

Concen: 42.897 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:164 Resp: 68230

Ion Ratio Lower Upper

164 100

166 127.8 101.2 151.8

129 93.4 74.3 111.5

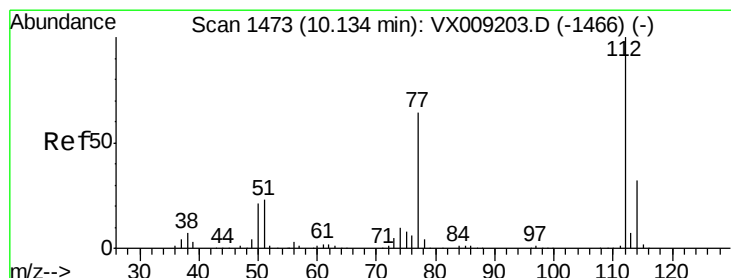
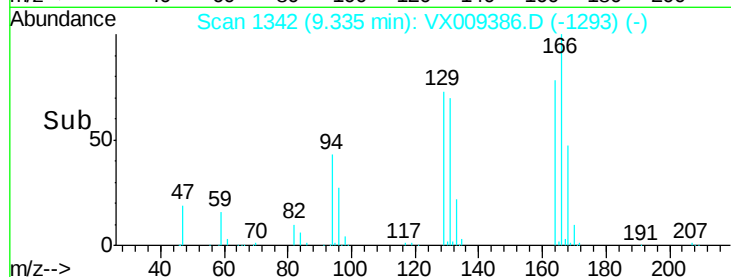
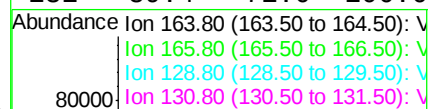
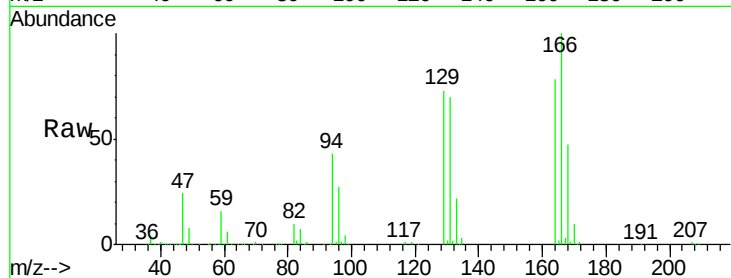
131 89.4 71.0 106.6

Manual Integrations

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MMDadoda

5/8/2019 10:40:39 AM



#65

Chlorobenzene

Concen: 83.378 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009386.D

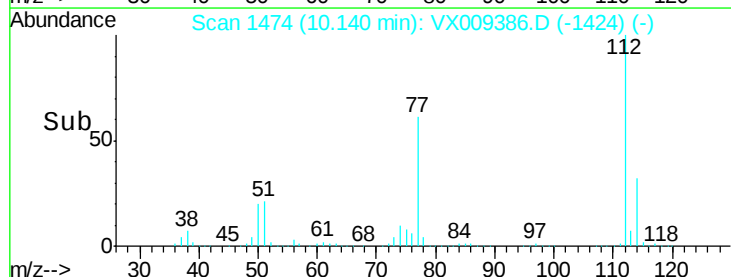
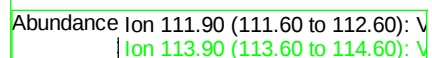
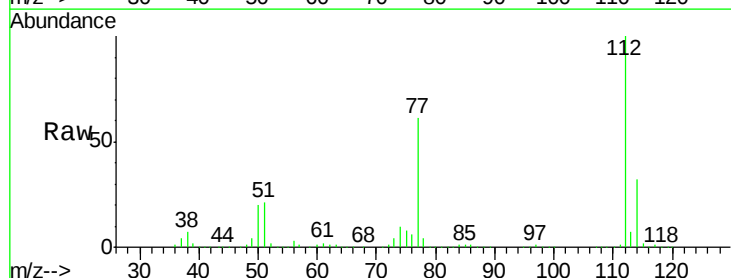
Acq: 07 May 2019 18:52

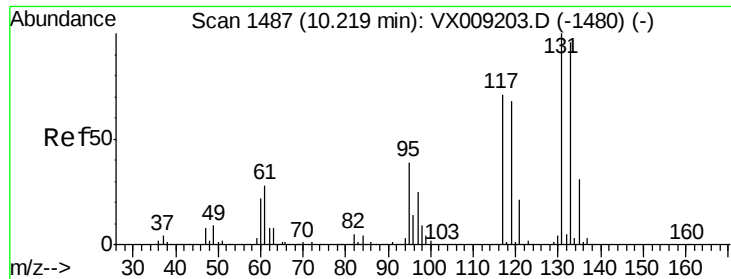
Tgt Ion:112 Resp: 386749

Ion Ratio Lower Upper

112 100

114 32.4 25.5 38.3





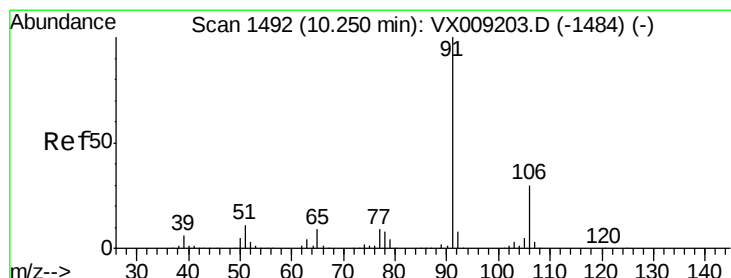
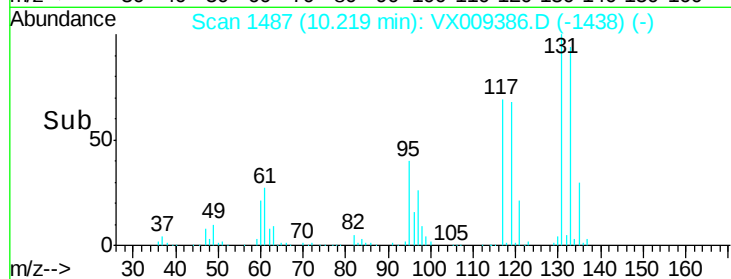
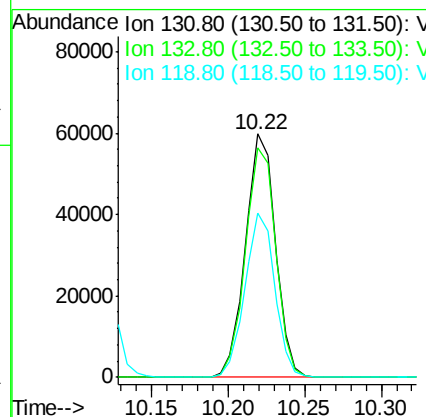
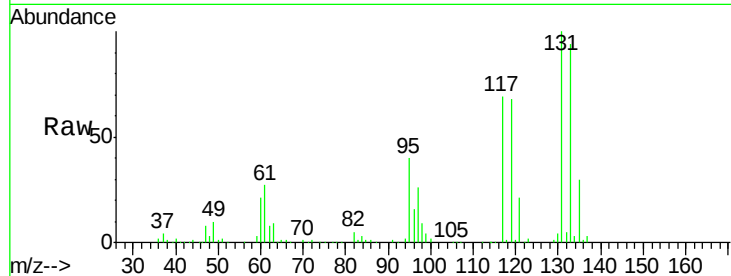
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.354 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	67.3	33.5	100.4

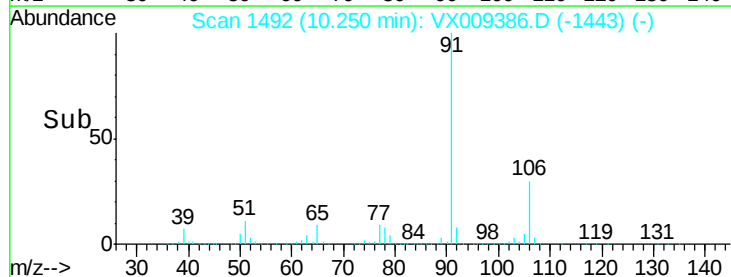
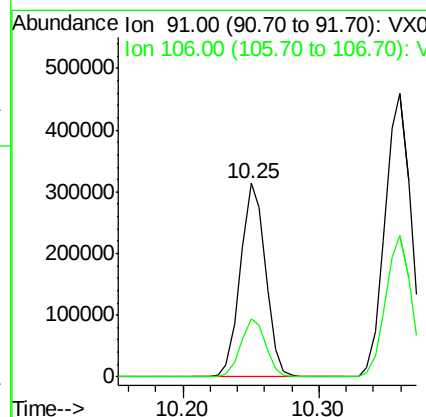
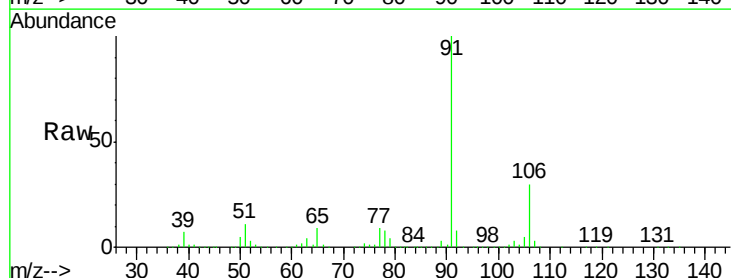
Manual Integrations
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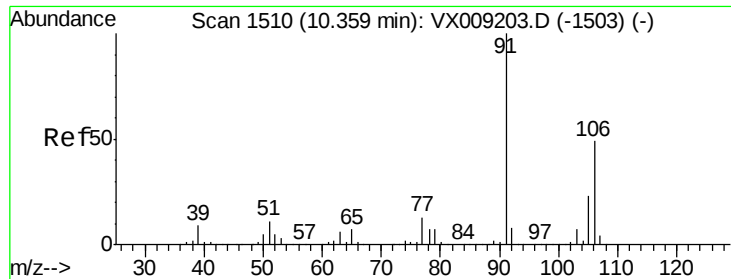
MMDadoda
 5/8/2019 10:40:39 AM



#67
 Ethyl Benzene
 Concen: 47.382 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.0	36.0





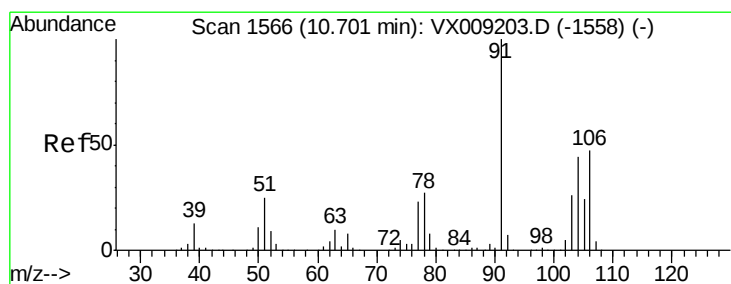
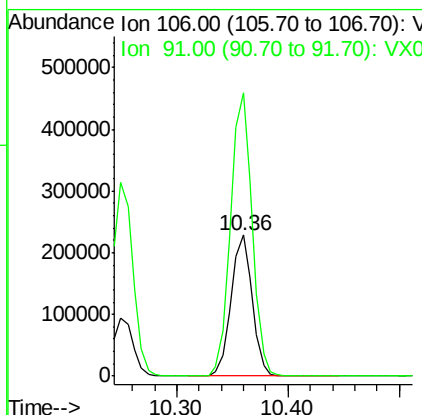
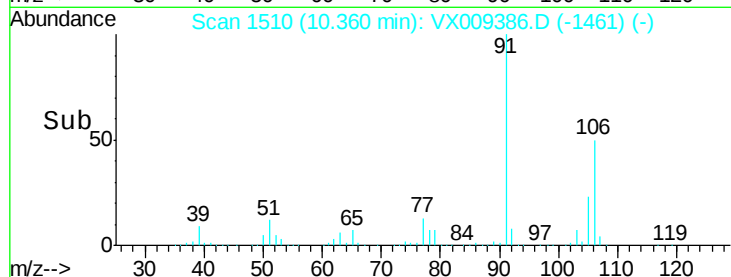
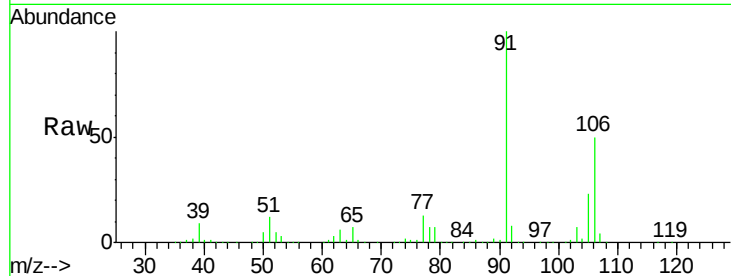
#68
m/p-Xylenes
Concen: 95.883 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion:106 Resp: 299111
Ion Ratio Lower Upper
106 100
91 204.6 164.0 246.0

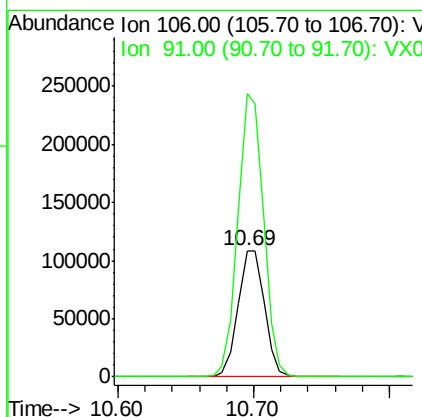
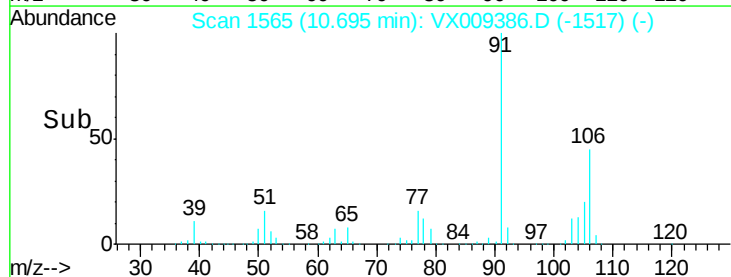
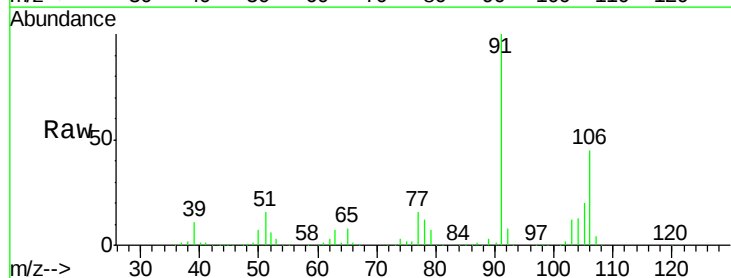
Manual Integrations
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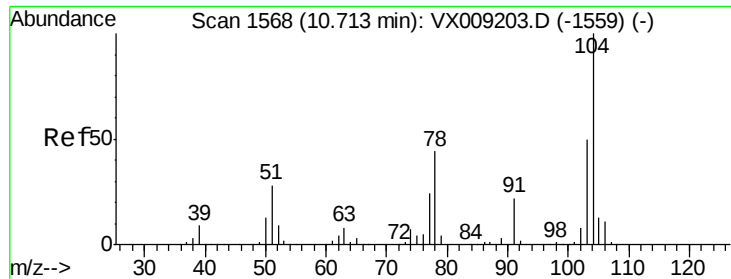
MMDadoda
5/8/2019 10:40:39 AM



#69
o-Xylene
Concen: 47.761 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion:106 Resp: 147004
Ion Ratio Lower Upper
106 100
91 218.2 109.5 328.4





#70

Stvrene

Concen: 48.953 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

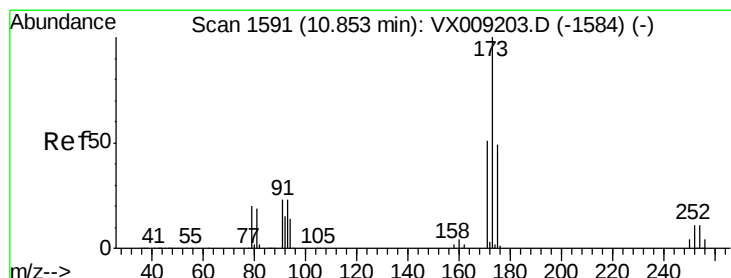
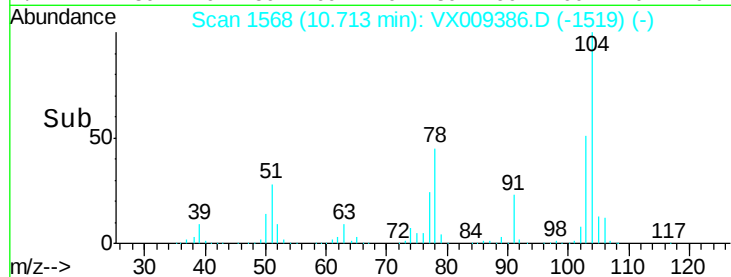
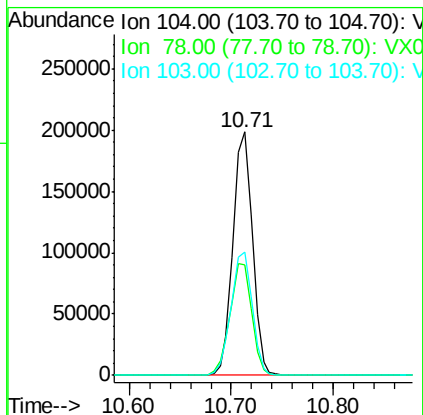
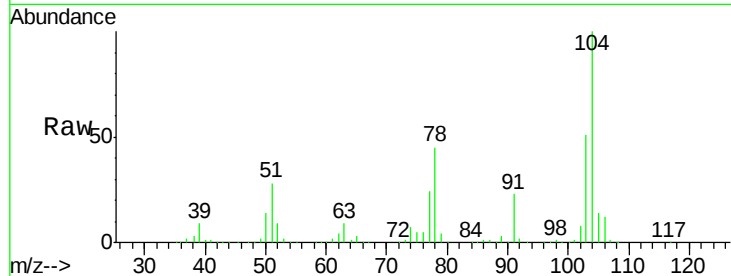
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	104	Resp:	261878
Ion Ratio		Lower	Upper
104	100		
78	50.9	41.0	61.4
103	55.5	43.8	65.6

Manual Integrations
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#71

Bromoform

Concen: 51.416 ug/l

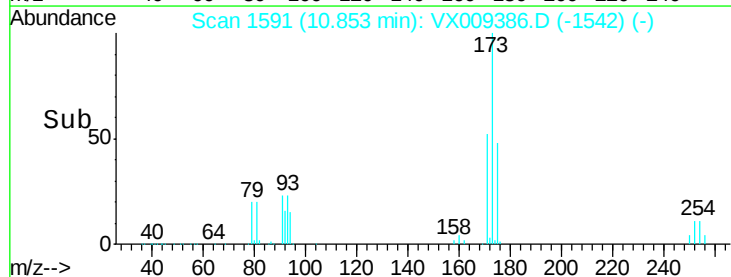
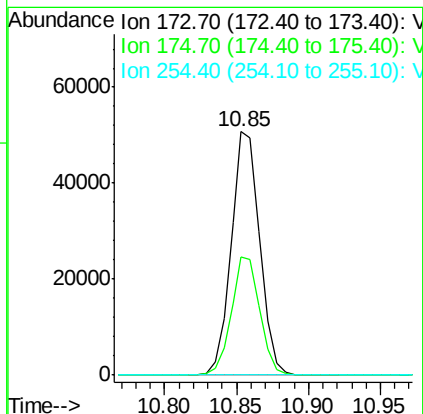
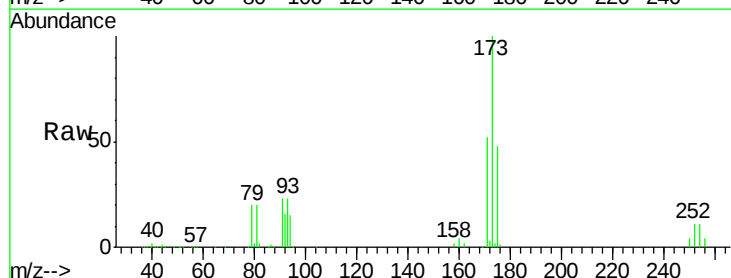
RT: 10.85 min Scan# 1591

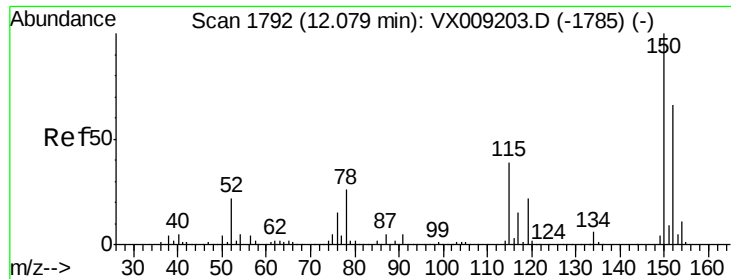
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	173	Resp:	70265
Ion Ratio		Lower	Upper
173	100		
175	48.3	24.5	73.5
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

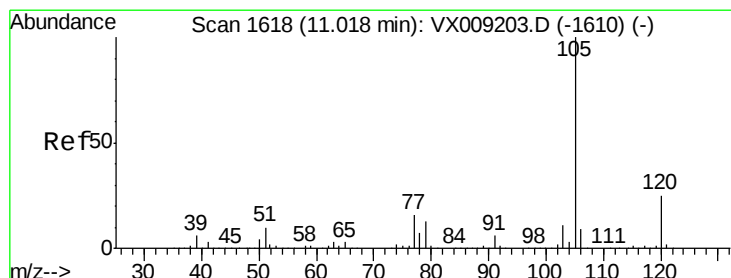
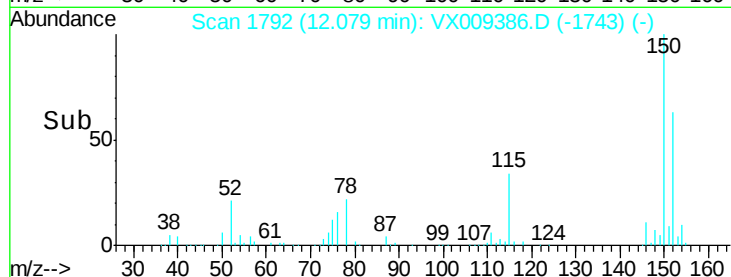
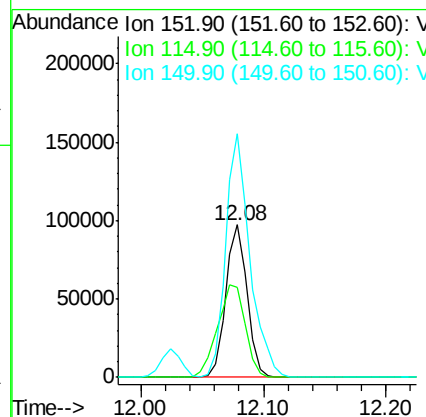
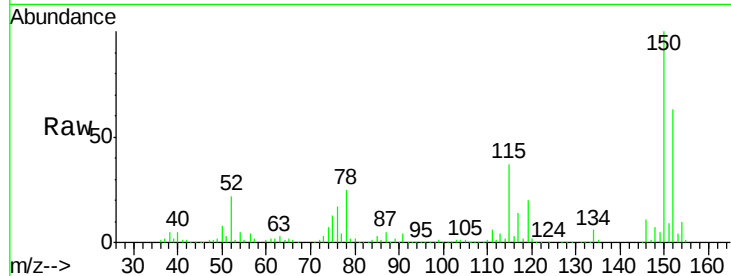
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	152	Resp:	117134
Ion Ratio	Lower	Upper	
152	100		
115	79.3	41.2	123.6
150	181.5	0.0	346.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 45.943 ug/l

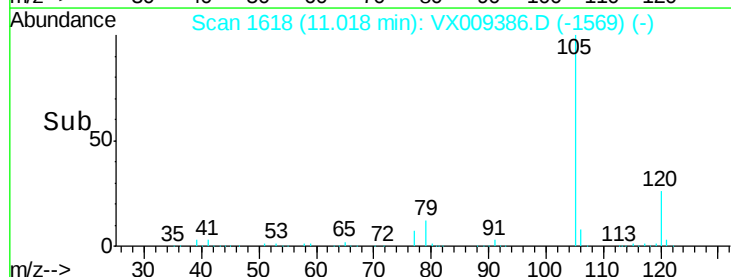
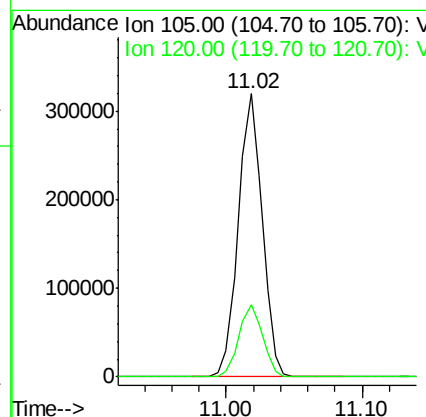
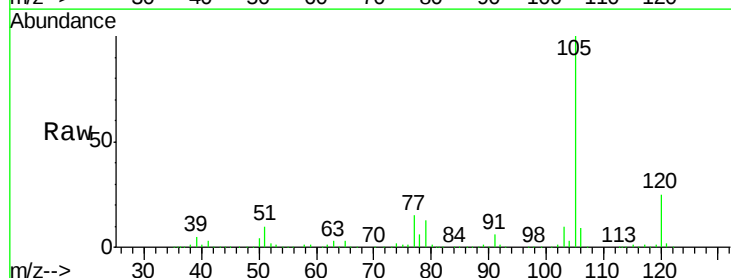
RT: 11.02 min Scan# 1618

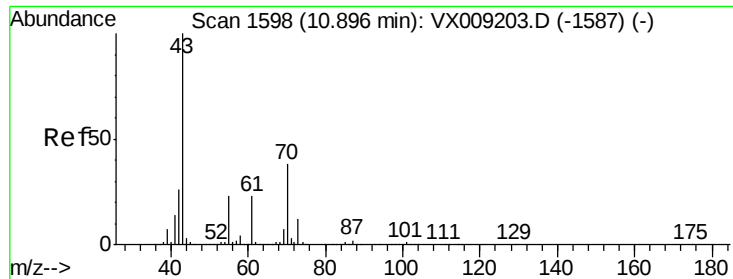
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	105	Resp:	391331
Ion Ratio	Lower	Upper	
105	100		
120	25.7	12.8	38.3





#74

N-amvl acetate

Concen: 50.408 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

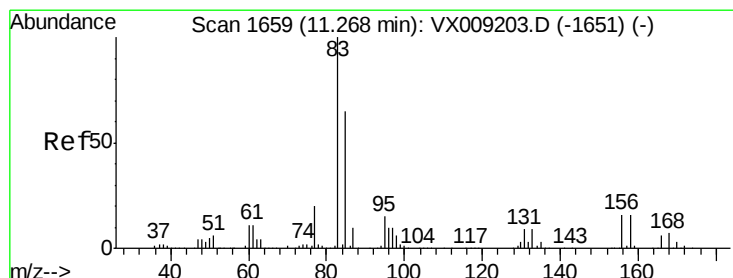
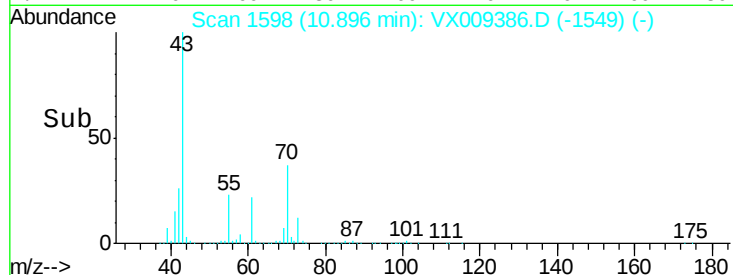
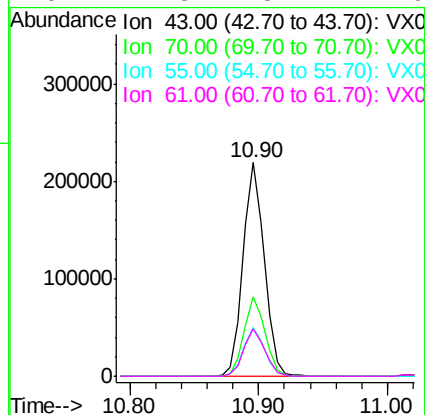
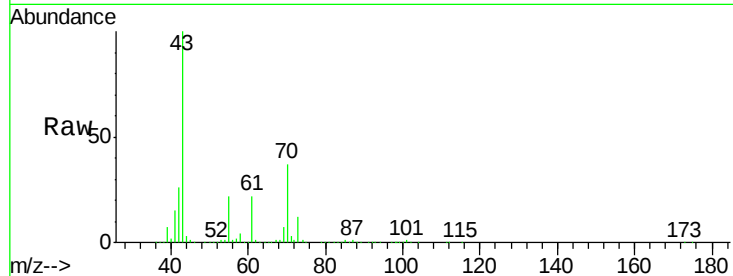
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		250325		
70	37.0	30.0	45.0		
55	22.6	17.9	26.9		
61	22.3	18.4	27.6		

Manual Integrations
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5/8/2019 10:40:39 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.191 ug/l

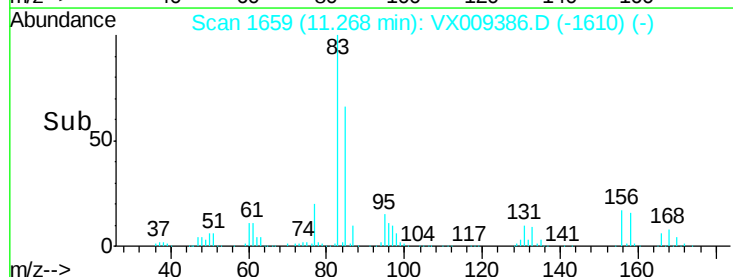
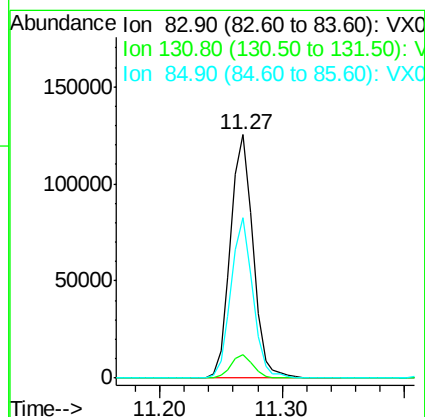
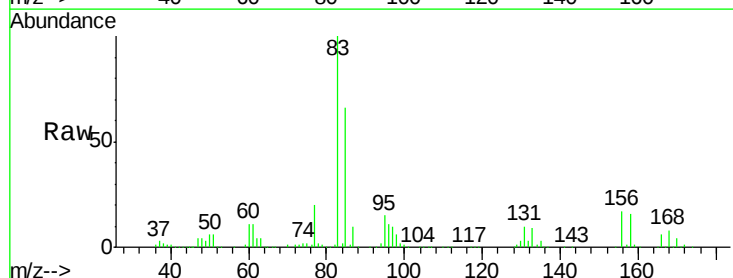
RT: 11.27 min Scan# 1659

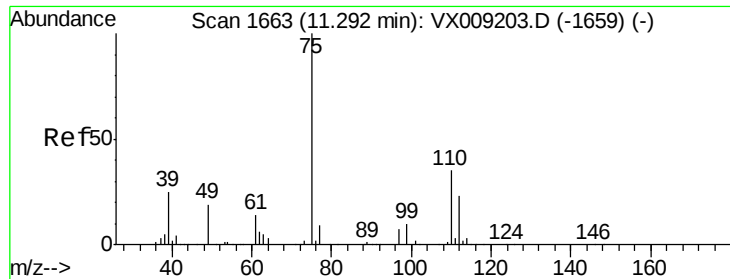
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		159374		
131	9.5	4.6	13.8		
85	64.0	32.0	96.2		





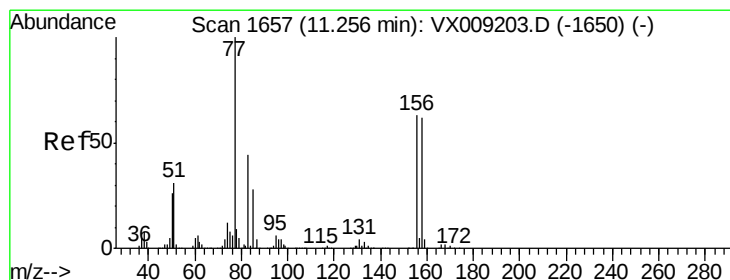
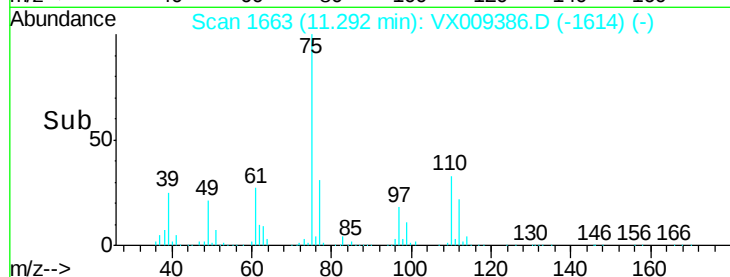
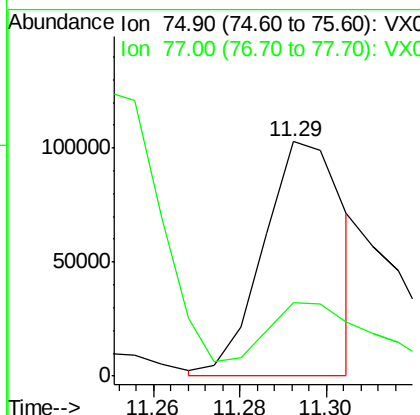
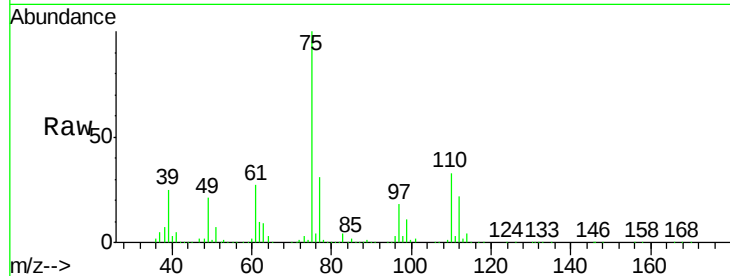
#76
 1,2,3-Trichloropropane
 Concen: 48.771 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion: 75 Resp: 132514
 Ion Ratio Lower Upper
 75 100
 77 43.9 22.1 66.1

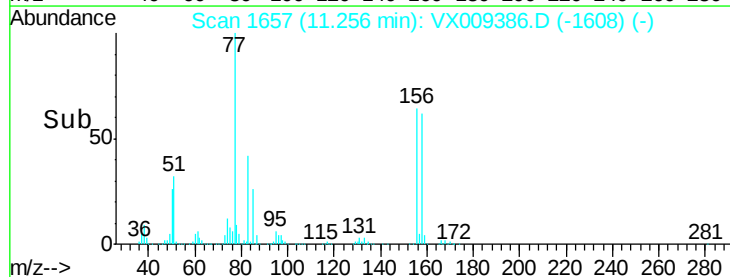
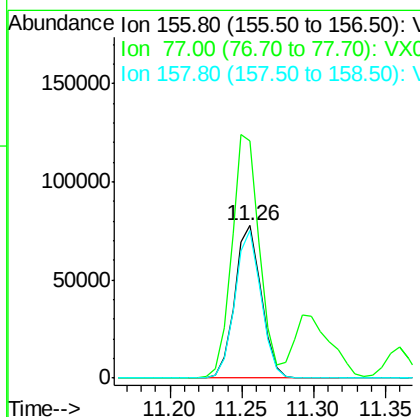
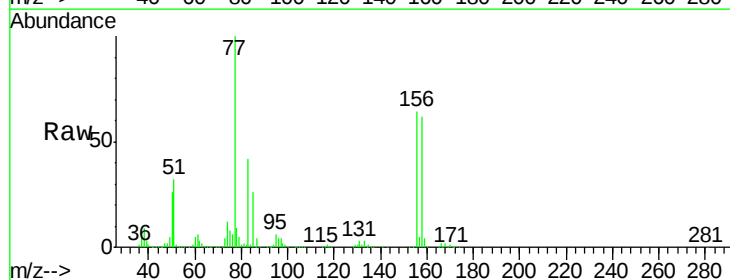
Manual Integrations
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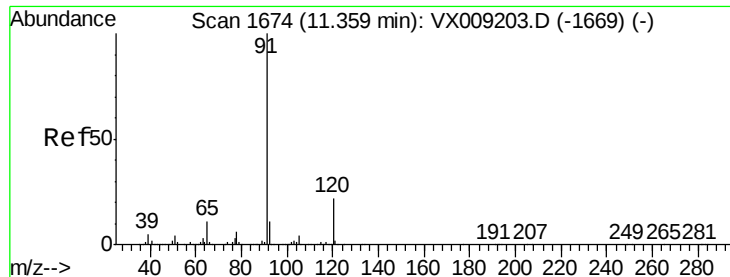
MMDadoda
 5/8/2019 10:40:39 AM



#77
 Bromobenzene
 Concen: 47.205 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion: 156 Resp: 99799
 Ion Ratio Lower Upper
 156 100
 77 165.7 84.8 254.3
 158 95.8 49.1 147.3





#78

n-propylbenzene

Concen: 46.179 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-190506MSD

Tot Ion: 91 Resp: 449224

Ion Ratio Lower Upper

91 100

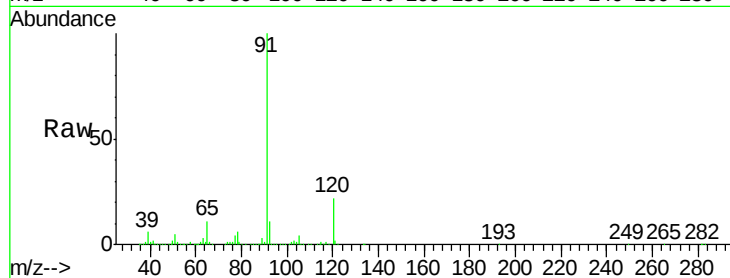
120 22.3 11.0 33.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

400000

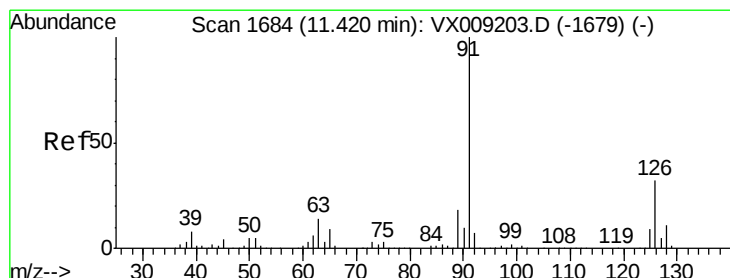
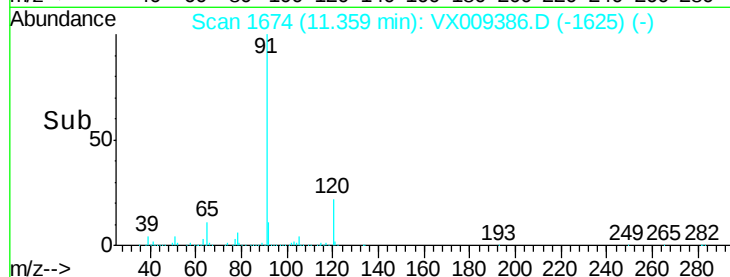
300000

200000

100000

0

Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 45.317 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009386.D

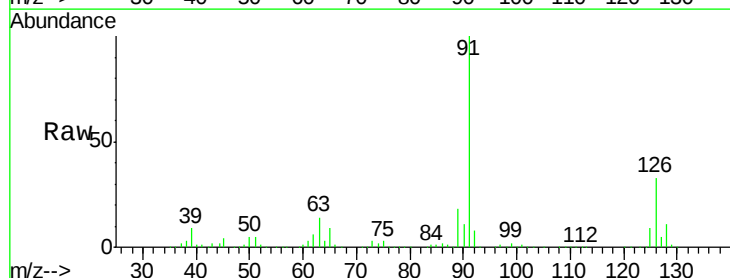
Acq: 07 May 2019 18:52

Tgt Ion: 91 Resp: 271976

Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.42

400000

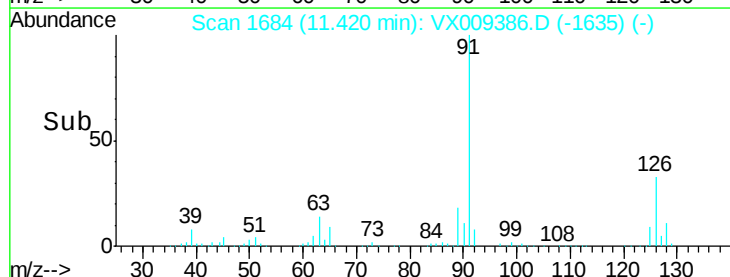
300000

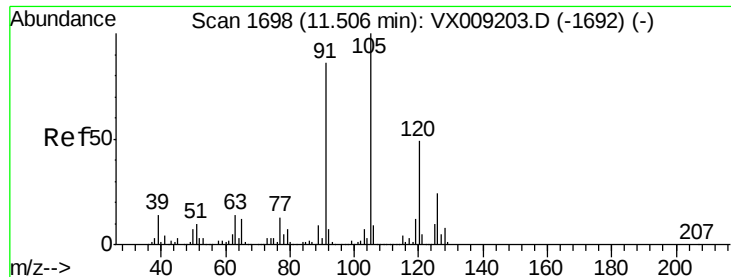
200000

100000

0

Time--> 11.40 11.45





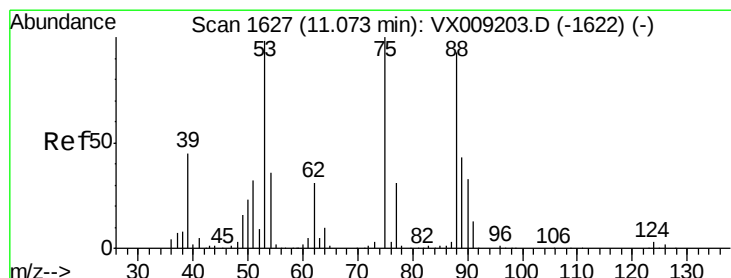
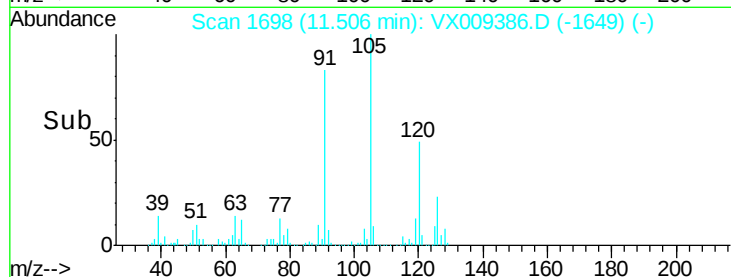
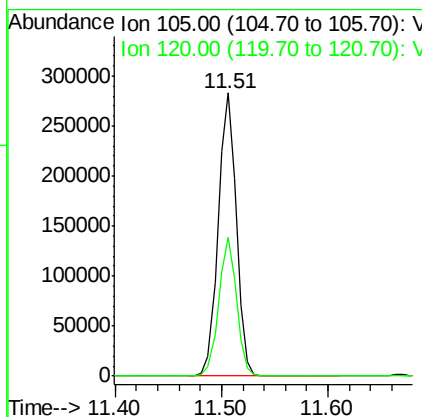
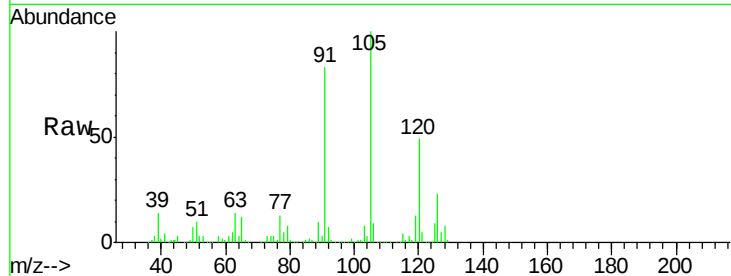
#80
 1,3,5-Trimethylbenzene
 Concen: 46.561 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion:105 Resp: 333935
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.9

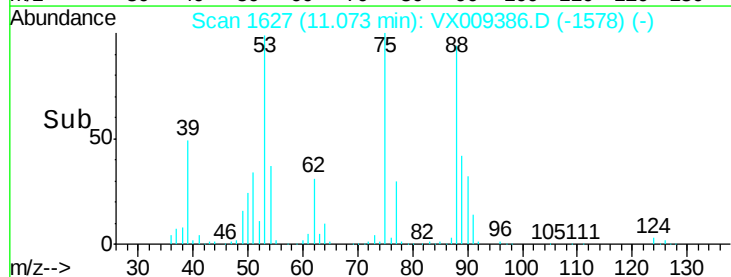
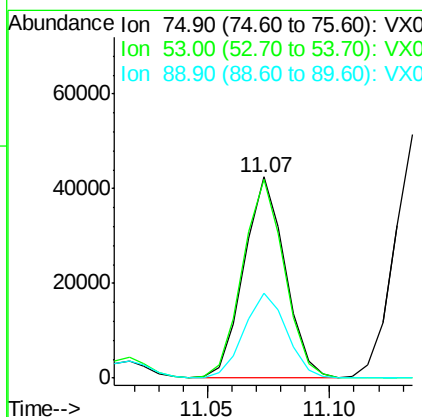
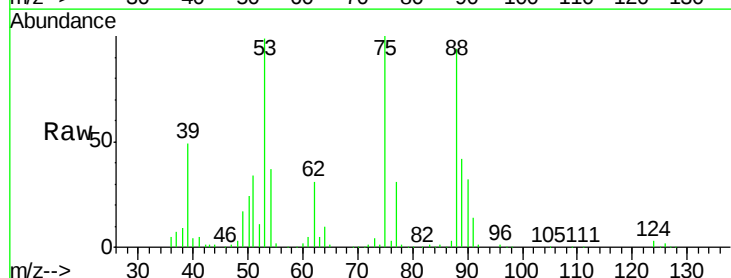
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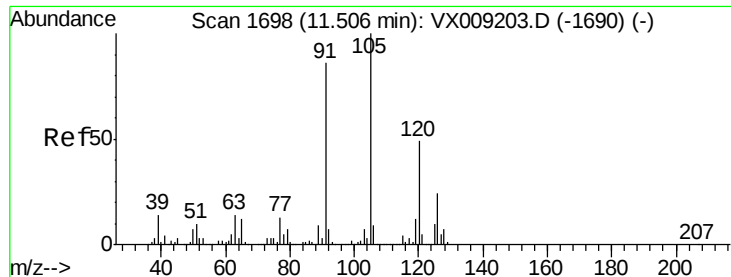
MMDadoda
 5/8/2019 10:40:39 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.581 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion: 75 Resp: 49466
 Ion Ratio Lower Upper
 75 100
 53 100.6 79.0 118.6
 89 43.9 34.7 52.1





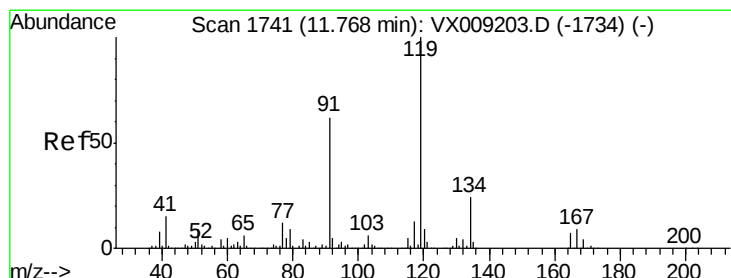
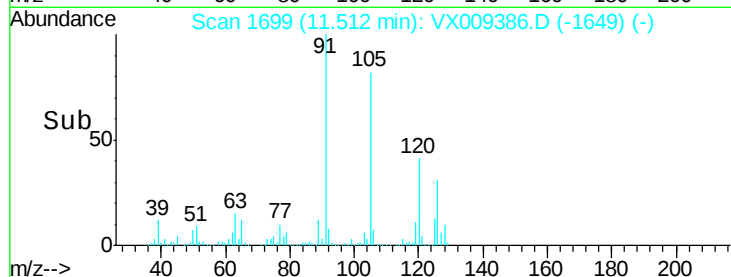
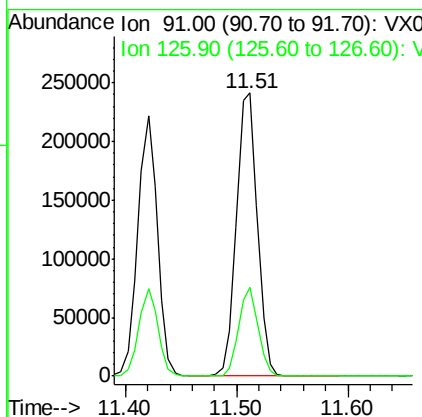
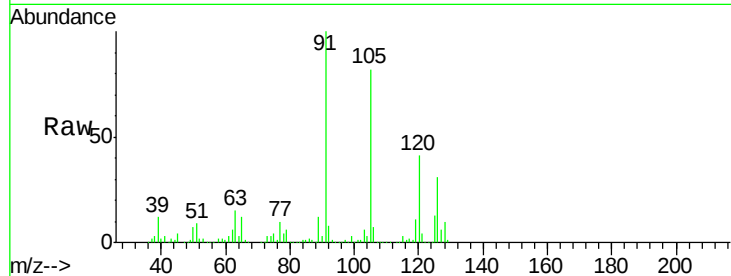
#82
4-Chlorotoluene
Concen: 46.327 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion: 91 Resp: 314101
Ion Ratio Lower Upper
91 100
126 29.3 14.5 43.6

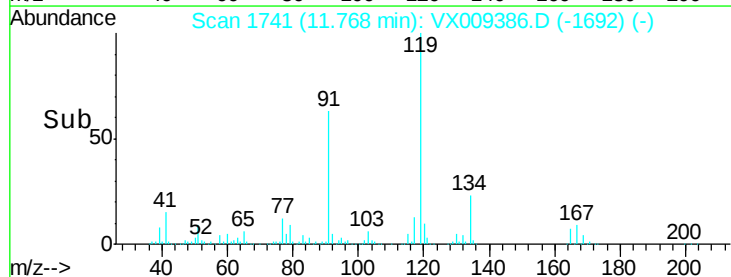
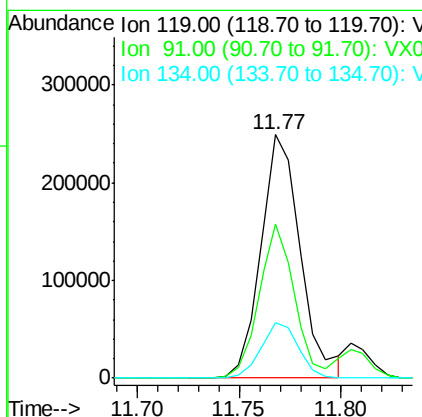
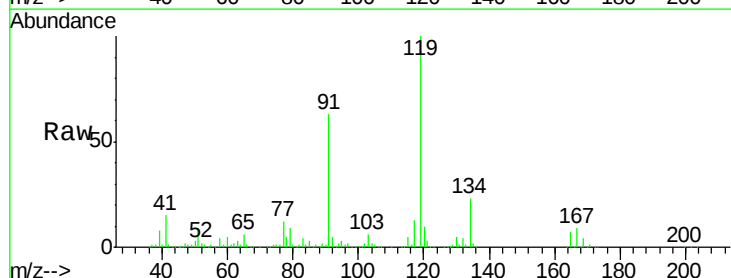
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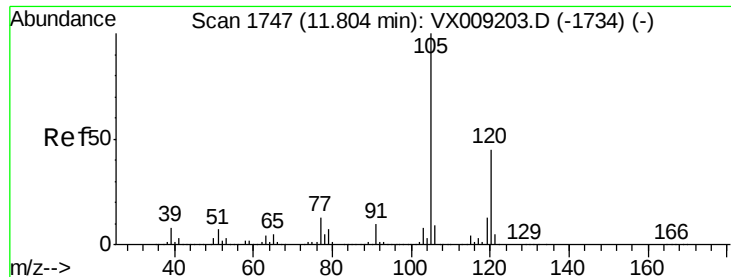
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#83
tert-Butylbenzene
Concen: 48.019 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion: 119 Resp: 335028
Ion Ratio Lower Upper
119 100
91 56.6 29.5 88.5
134 21.7 11.4 34.1





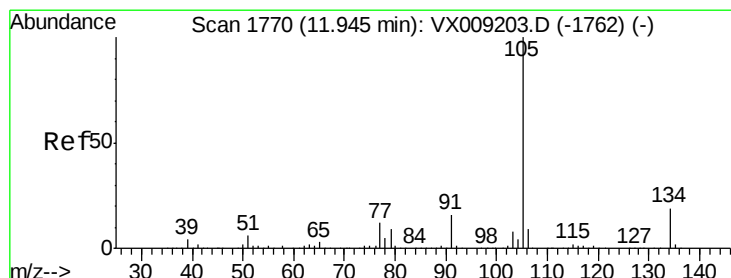
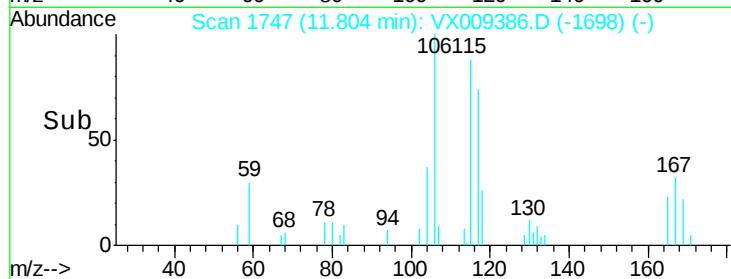
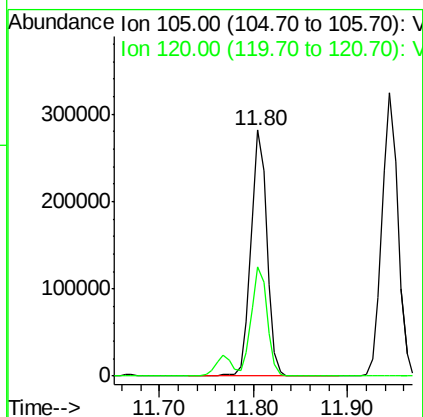
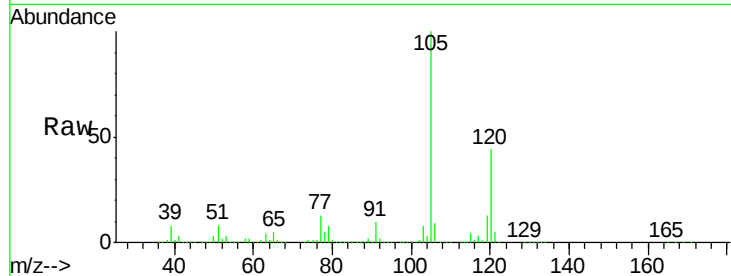
#84
 1,2,4-Trimethylbenzene
 Concen: 46.545 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion:105 Resp: 335074
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0

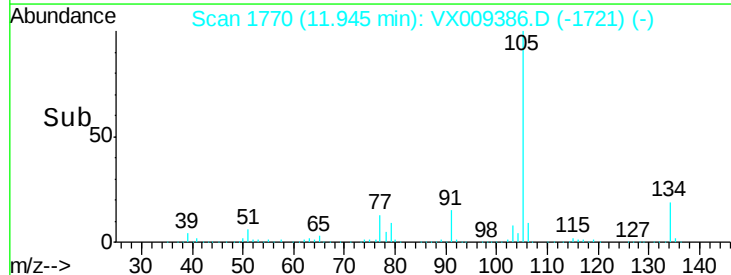
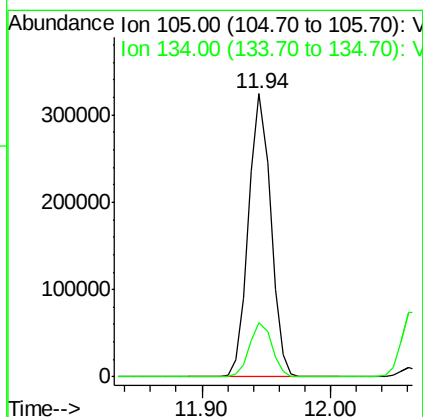
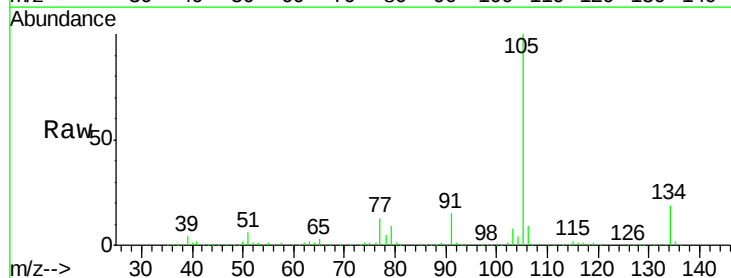
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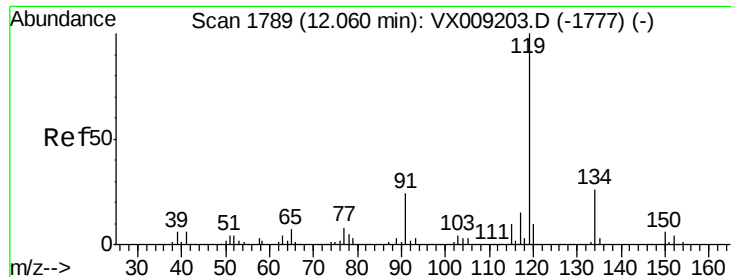
MMDadoda
 5/8/2019 10:40:39 AM



#85
 sec-Butylbenzene
 Concen: 46.320 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion:105 Resp: 383145
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9





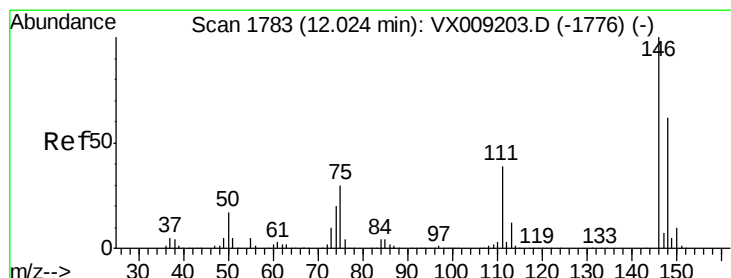
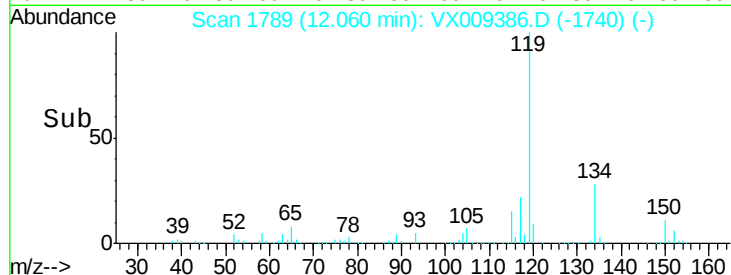
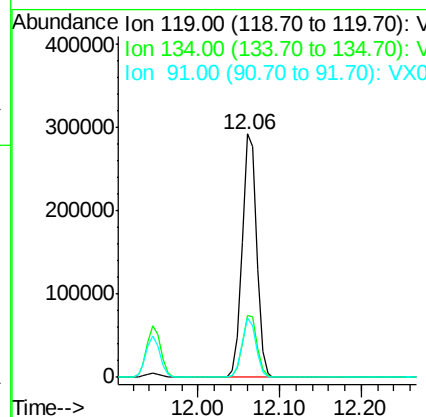
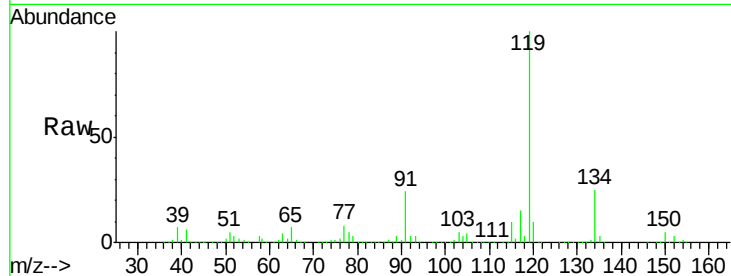
#86
 p-Isopropyltoluene
 Concen: 47.107 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	25.7	12.9	38.7	
91	23.4	11.8	35.4	

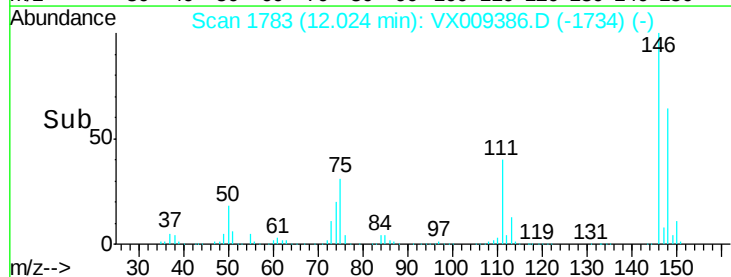
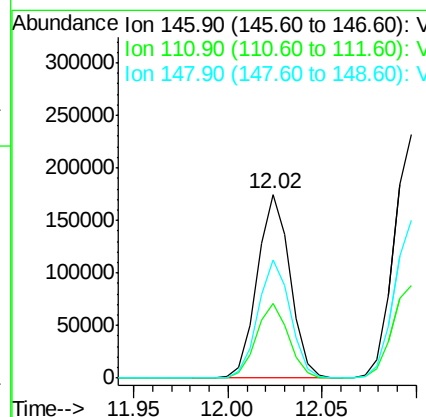
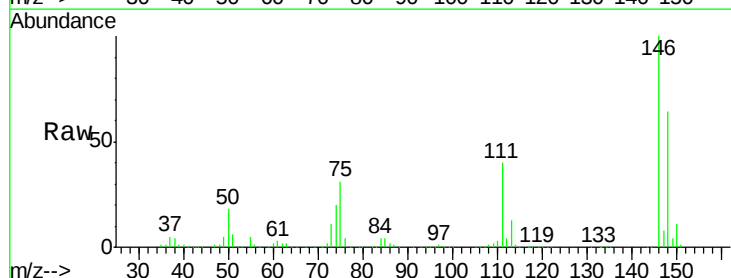
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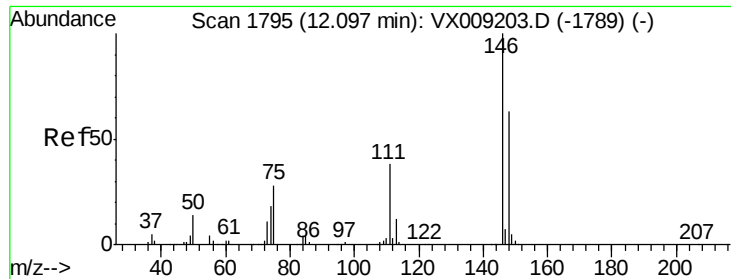
MMDadoda
 5/8/2019 10:40:39 AM



#87
 1,3-Dichlorobenzene
 Concen: 55.844 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.9	20.0	59.9	
148	63.2	31.8	95.3	





#88

1,4-Dichlorobenzene

Concen: 72.554 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

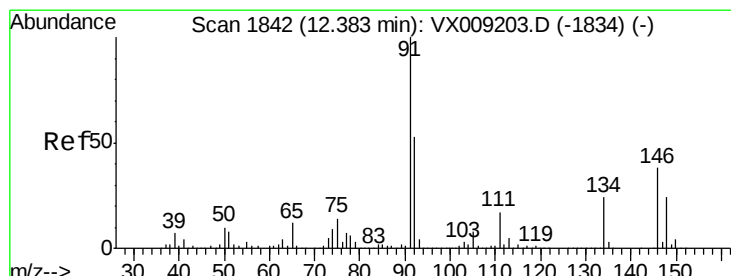
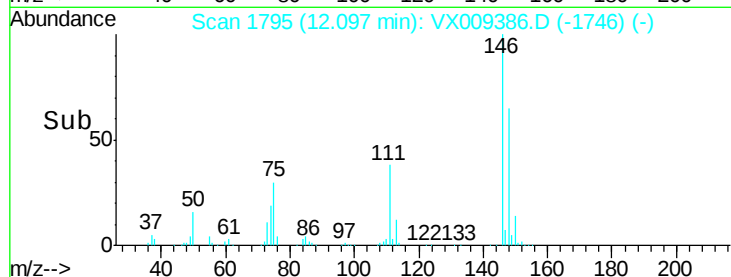
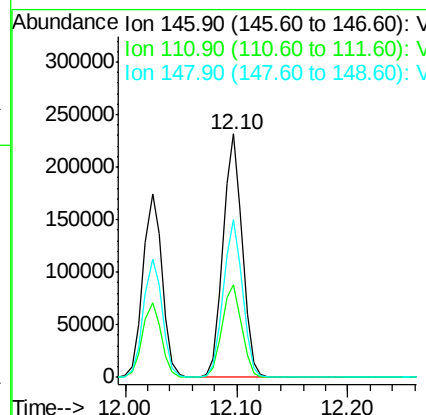
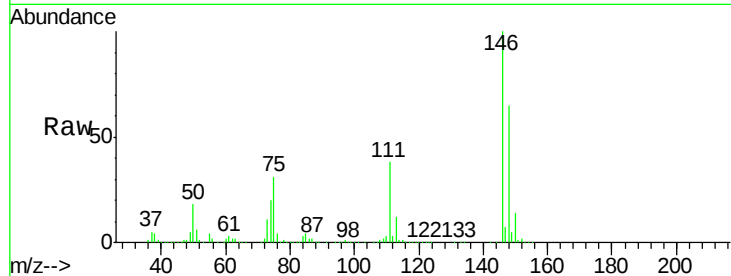
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	146	Resp:	275686
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.6	58.8
148	64.5	31.8	95.3

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#89

n-Butylbenzene

Concen: 47.533 ug/l

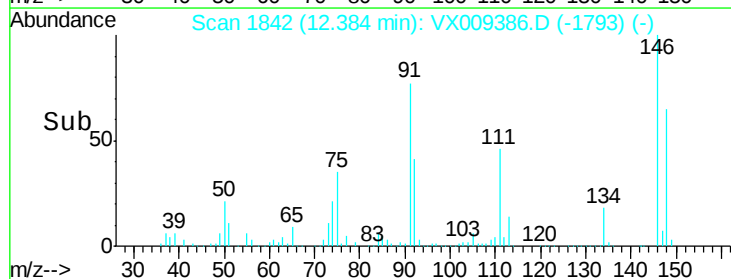
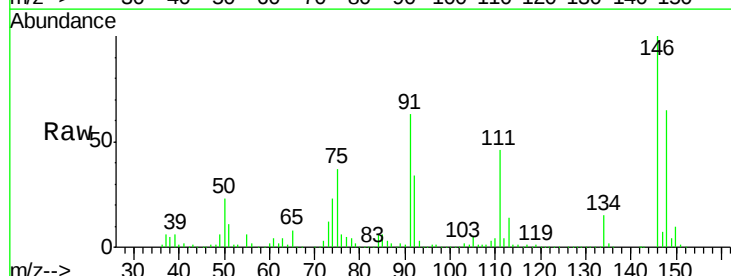
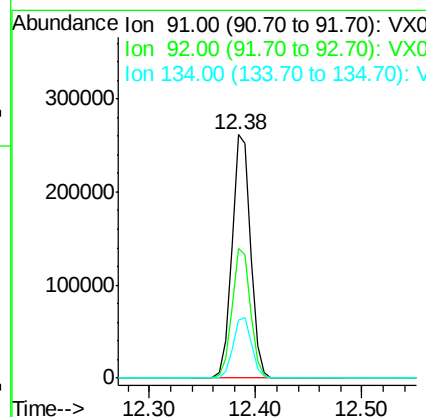
RT: 12.38 min Scan# 1842

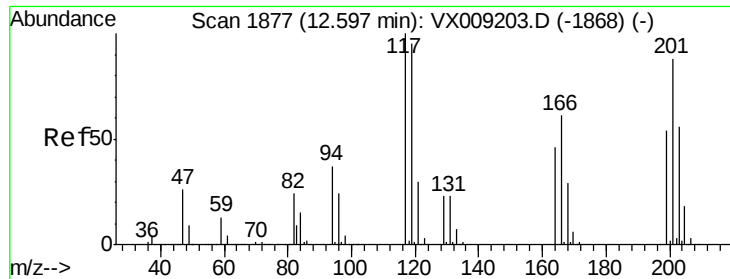
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	91	Resp:	319477
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.5	79.5
134	24.8	12.4	37.2





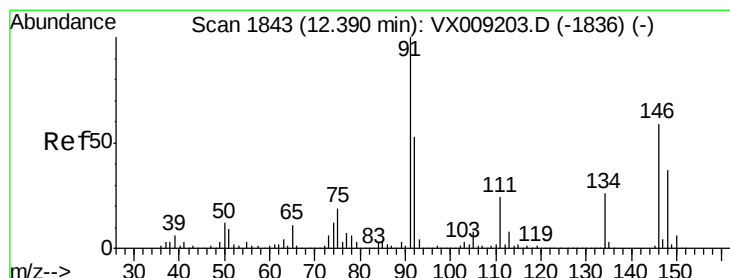
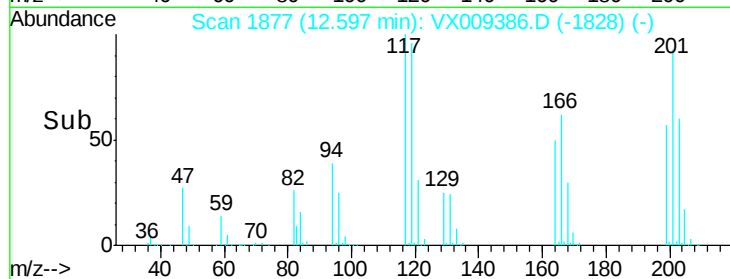
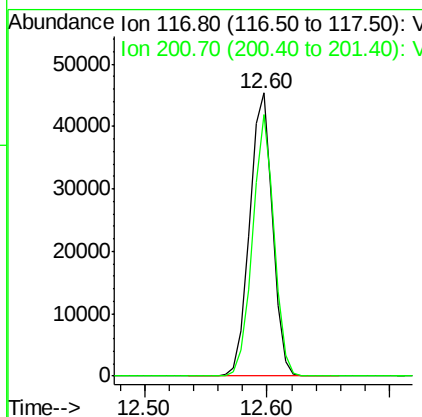
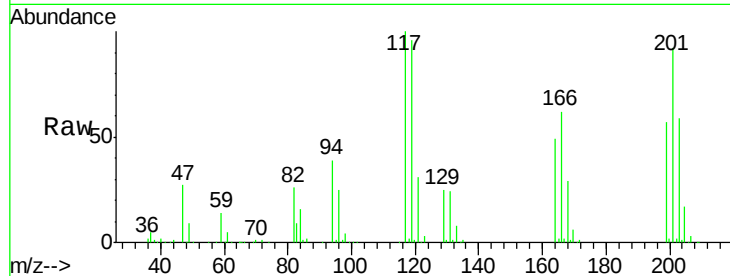
#90
Hexachloroethane
Concen: 46.807 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-190506MSD

Tot Ion:117 Resp: 59299
Ion Ratio Lower Upper
117 100
201 87.0 42.3 126.9

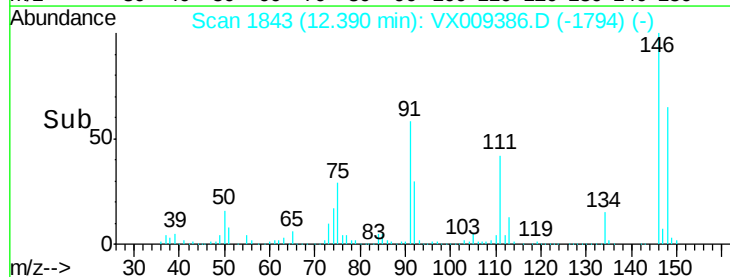
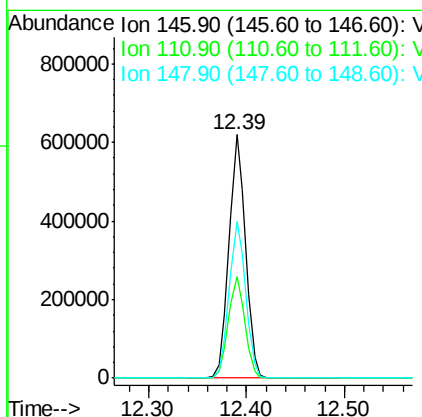
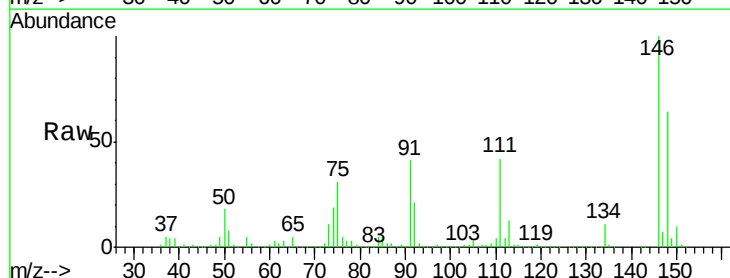
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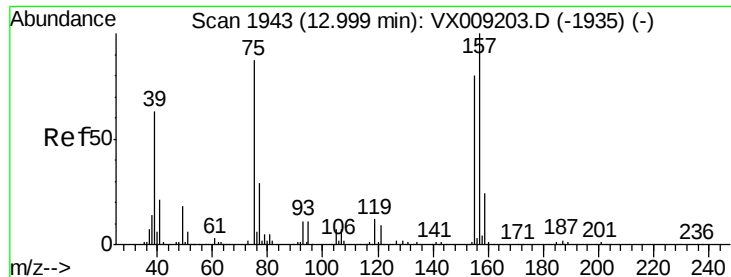
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#91
1,2-Dichlorobenzene
Concen: 190.064 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009386.D
Acq: 07 May 2019 18:52

Tgt Ion:146 Resp: 729611
Ion Ratio Lower Upper
146 100
111 41.7 20.8 62.4
148 64.6 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.228 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

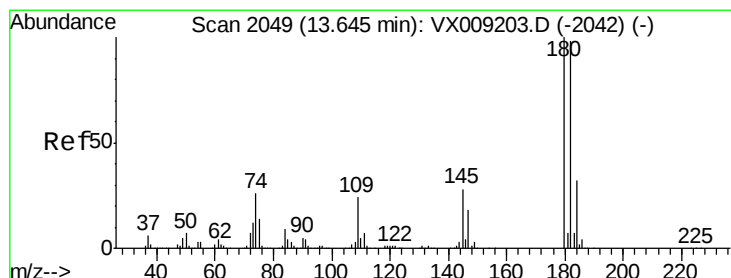
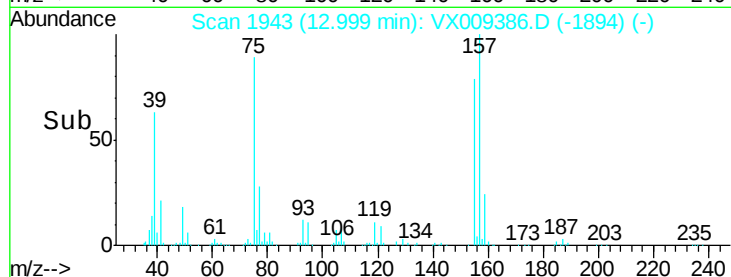
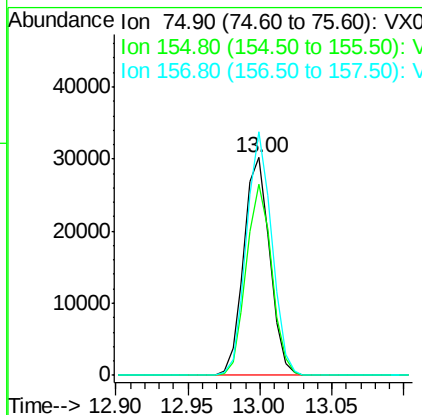
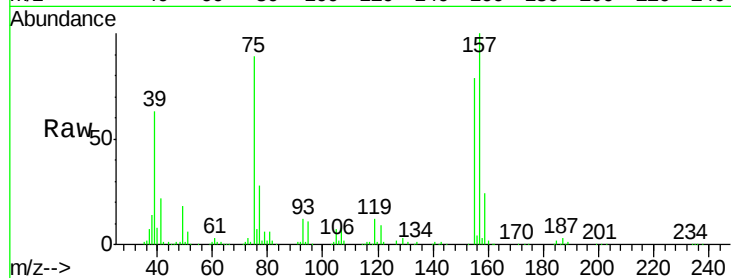
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	75	Resp:	37915
Ion Ratio	Lower	Upper	
75	100		
155	85.4	42.0	126.0
157	107.9	53.2	159.6

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#93

1,2,4-Trichlorobenzene

Concen: 50.426 ug/l

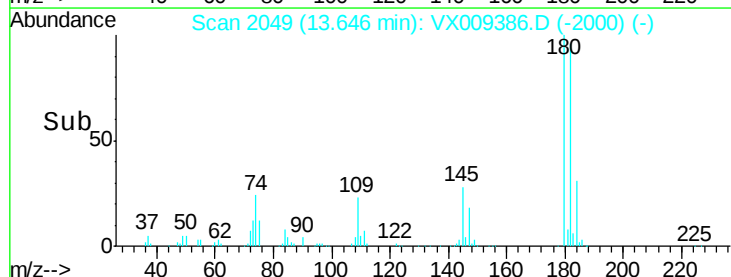
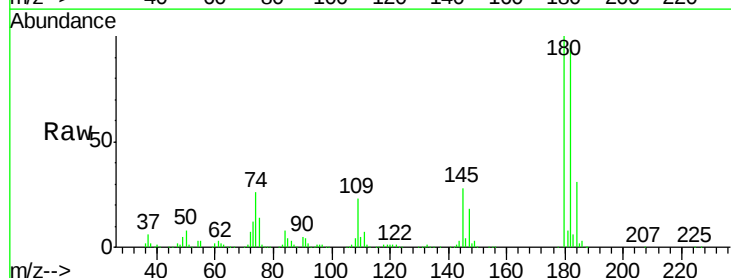
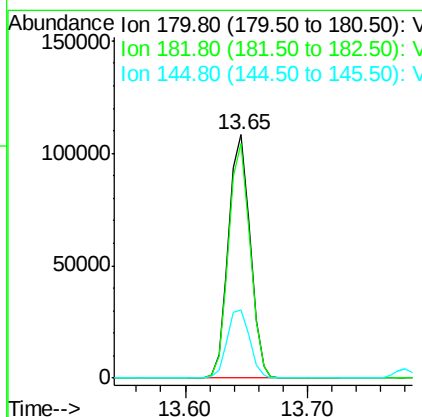
RT: 13.65 min Scan# 2049

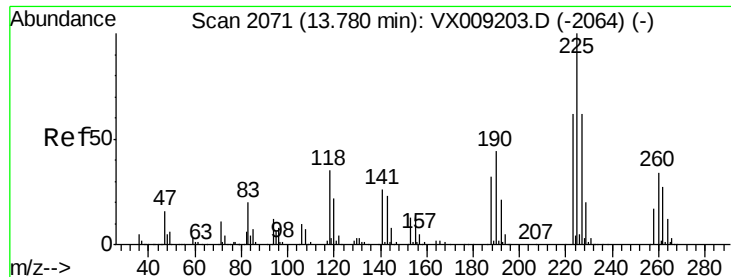
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	180	Resp:	132372
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.4	145.2
145	29.2	14.6	43.8





#94

Hexachlorobutadiene

Concen: 47.637 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Instrument :

MSVOA_X

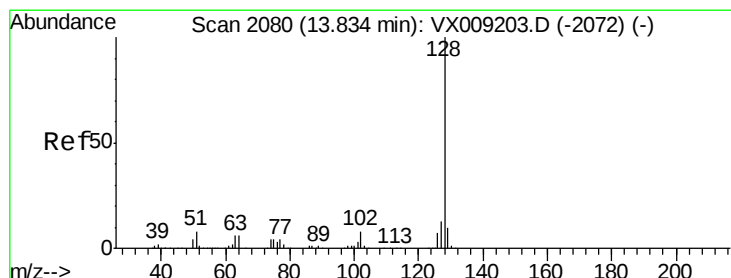
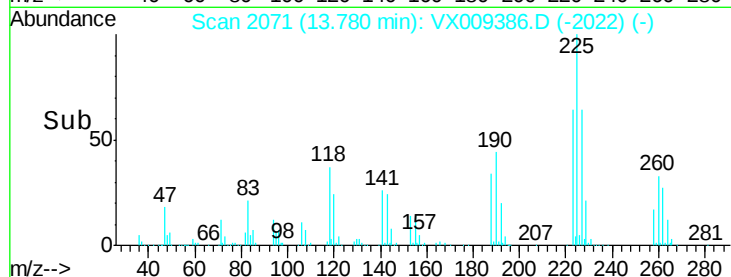
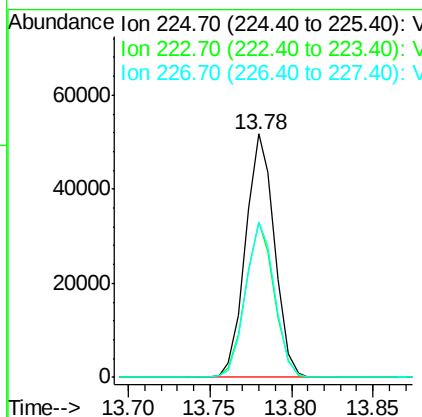
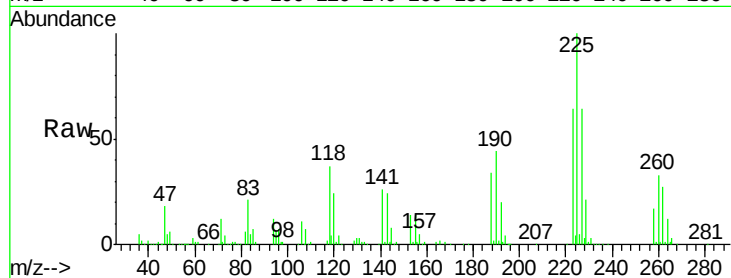
ClientSampleId :

SS003RW114R-190506MSD

Tot Ion:	225	Resp:	63859
Ion Ratio		Lower	Upper
225	100		
223	63.5	31.3	93.8
227	63.8	31.8	95.3

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#95

Naphthalene

Concen: 51.951 ug/l

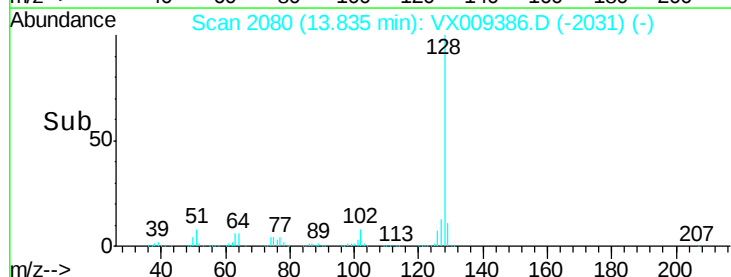
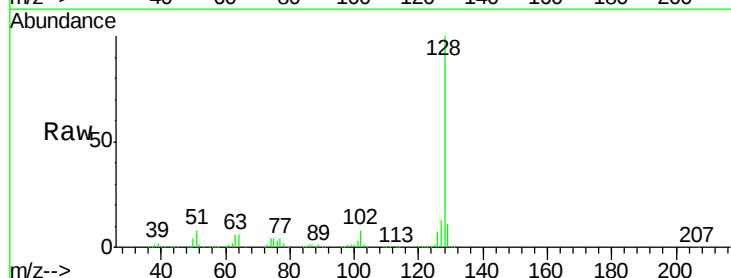
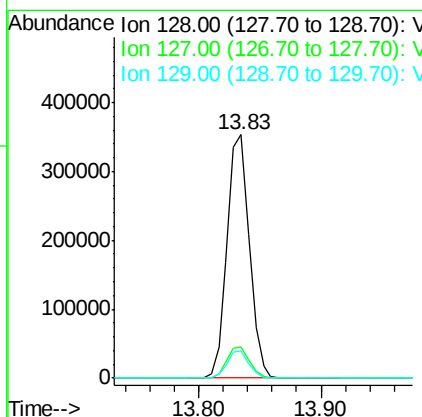
RT: 13.83 min Scan# 2080

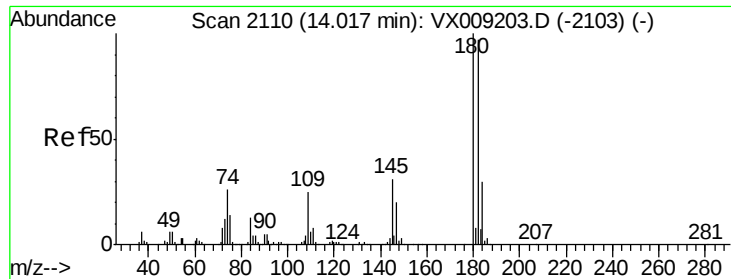
Delta R.T. 0.00 min

Lab File: VX009386.D

Acq: 07 May 2019 18:52

Tgt Ion:	128	Resp:	443692
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 50.452 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009386.D
 Acq: 07 May 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-190506MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	47.8	143.4
145	30.8	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:40:39 AM

