

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050819\
 Data File : VX009395.D
 Acq On : 08 May 2019 13:59
 Operator : JC/SP
 Sample : VX0508WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 9:49:25 AM

Quant Time: May 09 06:51:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 03:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	176846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	252135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116887	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	5.50	113	87133	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.71	98	351640	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	126798	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31922	19.588	ug/l	98
3) Chloromethane	1.32	50	46667	20.975	ug/l	98
4) Vinyl Chloride	1.41	62	46216	21.302	ug/l	98
5) Bromomethane	1.64	94	26738	20.533	ug/l	96
6) Chloroethane	1.72	64	31166	22.374	ug/l	100
7) Trichlorofluoromethane	1.93	101	57573	21.831	ug/l	97
8) Diethyl Ether	2.19	74	26348	21.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35530	21.454	ug/l	99
10) Methyl Iodide	2.51	142	30962	19.206	ug/l	99
11) Tert butyl alcohol	3.05	59	59059	105.685	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35888	21.628	ug/l	94
13) Acrolein	2.29	56	48997	96.816	ug/l	99
14) Allyl chloride	2.73	41	84301	20.847	ug/l	99
15) Acrylonitrile	3.14	53	145375	106.396	ug/l	99
16) Acetone	2.45	43	147284	113.618	ug/l	98
17) Carbon Disulfide	2.57	76	104212	22.369	ug/l	99
18) Methyl Acetate	2.78	43	60372	19.583	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	137080	21.274	ug/l	100
20) Methylene Chloride	2.85	84	42975	20.475	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	38193	21.224	ug/l	98
22) Diisopropyl ether	3.86	45	164833	21.196	ug/l	96
23) Vinyl Acetate	3.82	43	746946	112.167	ug/l	99
24) 1,1-Dichloroethane	3.70	63	80465	20.974	ug/l	99
25) 2-Butanone	4.68	43	223211	110.806	ug/l	98
26) 2,2-Dichloropropane	4.58	77	60114	21.052	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	46025	21.427	ug/l	98
28) Bromochloromethane	5.02	49	30039	17.680	ug/l	99
29) Tetrahydrofuran	5.13	42	144018	111.102	ug/l	99
30) Chloroform	5.21	83	74211	21.388	ug/l	100
31) Cyclohexane	5.58	56	78749	22.064	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61683	21.356	ug/l	99
36) 1,1-Dichloropropene	5.80	75	55990	21.569	ug/l	100
37) Ethyl Acetate	4.84	43	80253	22.189	ug/l	99
38) Carbon Tetrachloride	5.79	117	51026	21.635	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70702	22.178	ug/l	99
40) Benzene	6.15	78	174643	21.739	ug/l	99
41) Methacrylonitrile	5.04	41	45431	21.102	ug/l	99
42) 1,2-Dichloroethane	6.20	62	63318	21.972	ug/l	100
43) Isopropyl Acetate	6.45	43	124977	21.603	ug/l	99
44) Trichloroethene	7.21	130	42398	21.831	ug/l	97
45) 1,2-Dichloropropane	7.51	63	49774	21.881	ug/l	97
46) Dibromomethane	7.66	93	28254	21.389	ug/l	98
47) Bromodichloromethane	7.90	83	55495	21.061	ug/l	99
48) Methyl methacrylate	7.77	41	63126	21.994	ug/l	99
49) 1,4-Dioxane	7.74	88	24186	415.524	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	417704	110.466	ug/l	100
52) Toluene	8.79	92	107521	22.018	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	64354	21.632	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	71877	21.828	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43325	21.746	ug/l	99
56) Ethyl methacrylate	9.18	69	77795	21.875	ug/l	100
57) 1,3-Dichloropropane	9.37	76	75914	21.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	221533	117.423	ug/l	99
59) 2-Hexanone	9.49	43	330043	111.134	ug/l	100
60) Dibromochloromethane	9.58	129	41823	21.494	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43974	21.866	ug/l	99
64) Tetrachloroethene	9.33	164	37882	21.903	ug/l	99
65) Chlorobenzene	10.14	112	110762	21.960	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	39408	21.551	ug/l	98
67) Ethyl Benzene	10.25	91	204328	22.012	ug/l	99
68) m/p-Xylenes	10.36	106	150491	44.365	ug/l	99
69) o-Xylene	10.70	106	73189	21.868	ug/l	100
70) Styrene	10.71	104	126640	21.770	ug/l	99
71) Bromoform	10.85	173	31620	21.278	ug/l	99
73) Isopropylbenzene	11.02	105	195235	22.177	ug/l	98
74) N-amyl acetate	10.90	43	112826	21.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	71884	21.904	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60903m	21.688	ug/l	
77) Bromobenzene	11.26	156	47372	21.680	ug/l	100
78) n-propylbenzene	11.36	91	221986	22.080	ug/l	100
79) 2-Chlorotoluene	11.42	91	133289	21.489	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	165209	22.288	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22813	20.786	ug/l	93
82) 4-Chlorotoluene	11.51	91	151477	21.617	ug/l	99
83) tert-Butylbenzene	11.77	119	161111	22.343	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	165279	22.214	ug/l	100
85) sec-Butylbenzene	11.94	105	187544	21.938	ug/l	99
86) p-Isopropyltoluene	12.06	119	170309	22.160	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	84415	21.671	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	84117	21.420	ug/l	99
89) n-Butylbenzene	12.38	91	150761	21.704	ug/l	99
90) Hexachloroethane	12.60	117	28146	21.496	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	84904	21.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16207	22.015	ug/l	98

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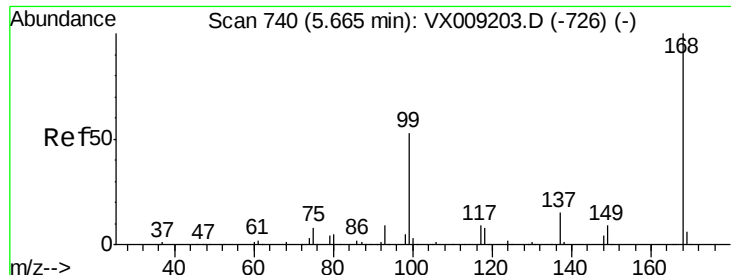
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Wed May 08 03:31:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	60391	22.259	ug/l	97
94) Hexachlorobutadiene	13.78	225	29927	21.601	ug/l	99
95) Naphthalene	13.83	128	196601	22.273	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	60686	22.067	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS02

Tot Ion:168 Resp: 176846

Ion Ratio Lower Upper

168 100

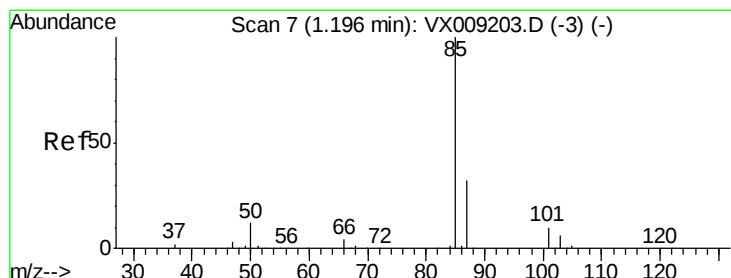
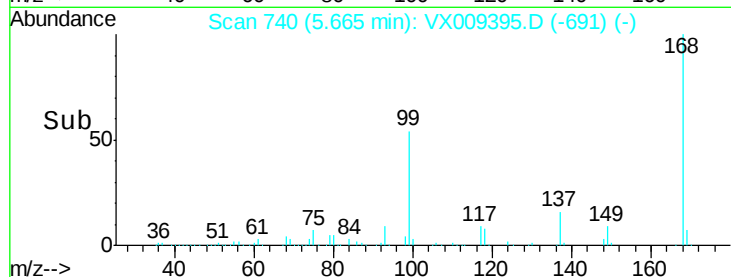
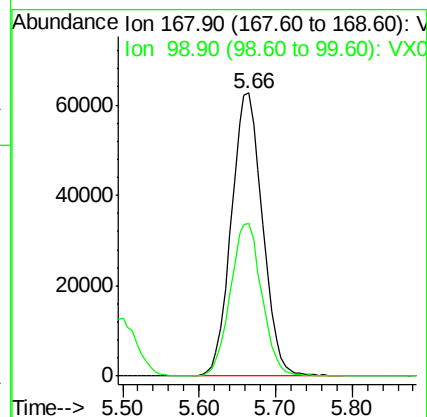
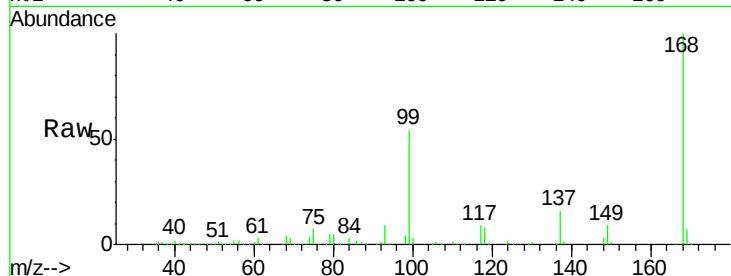
99 54.0 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.588 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009395.D

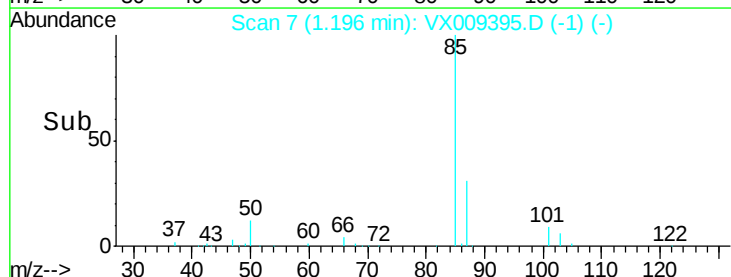
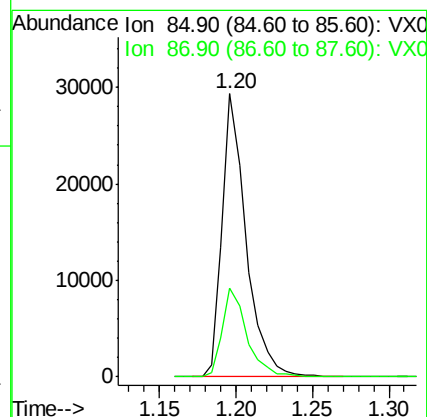
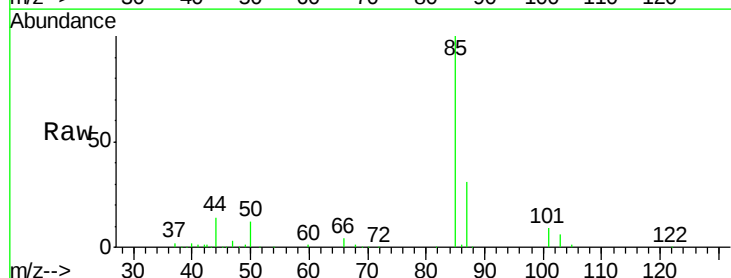
Acq: 08 May 2019 13:59

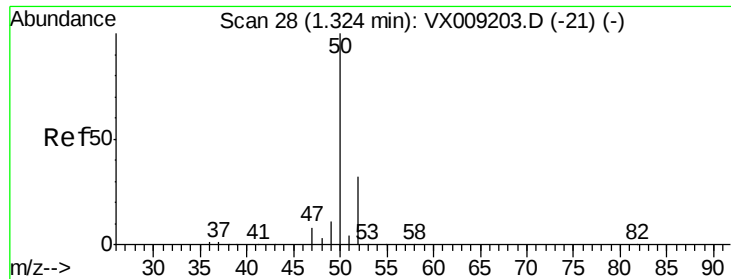
Tgt Ion: 85 Resp: 31922

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3





#3

Chloromethane

Concen: 20.975 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 50 Resp: 46667

Ion Ratio Lower Upper

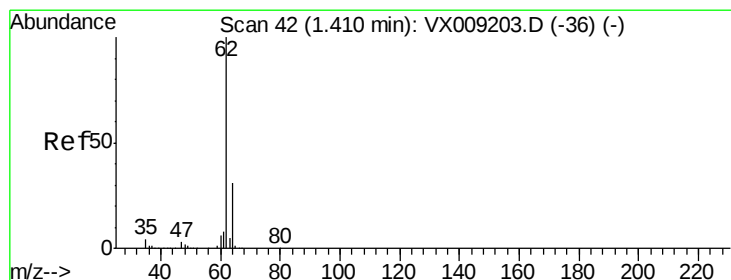
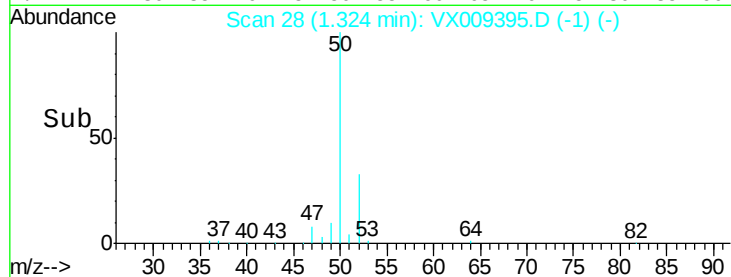
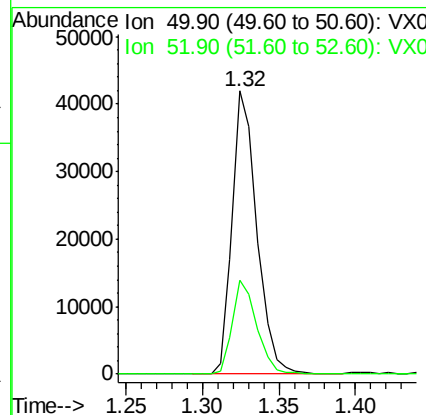
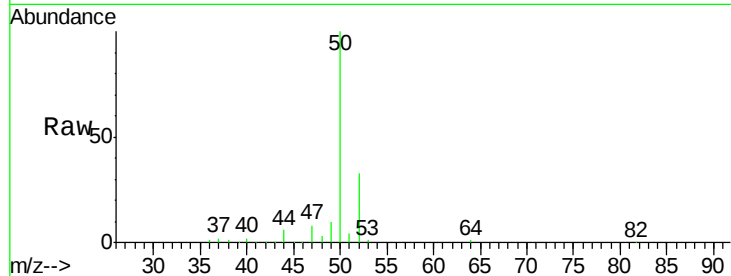
50 100

52 33.3 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.302 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009395.D

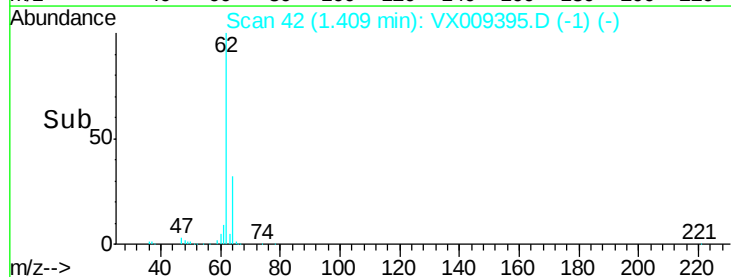
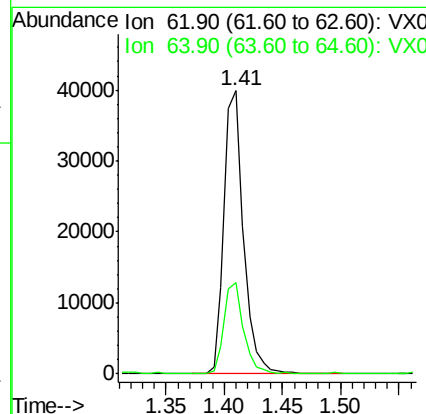
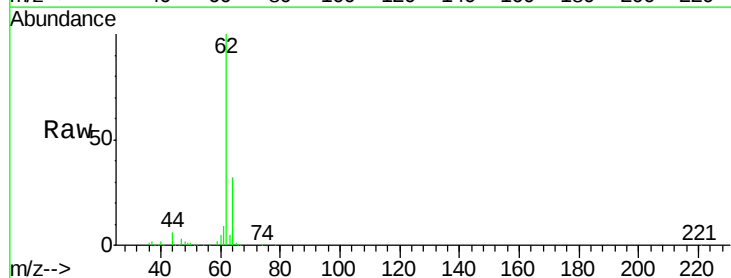
Acq: 08 May 2019 13:59

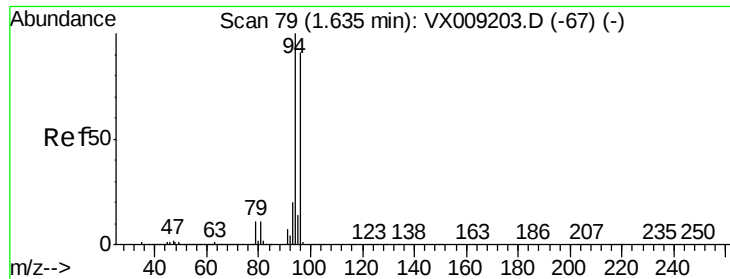
Tgt Ion: 62 Resp: 46216

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 20.533 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 94 Resp: 26738

Ion Ratio Lower Upper

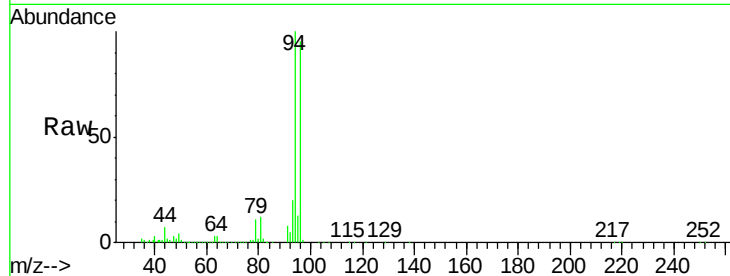
94 100

96 95.3 73.0 109.6

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

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

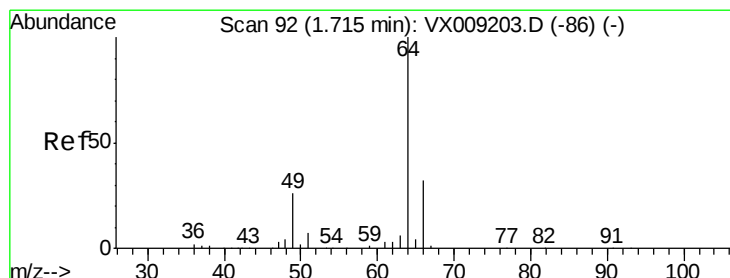
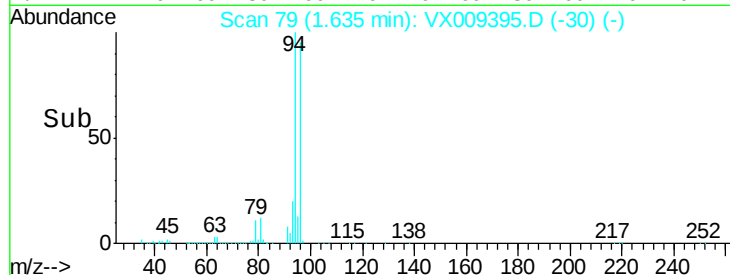
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.374 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009395.D

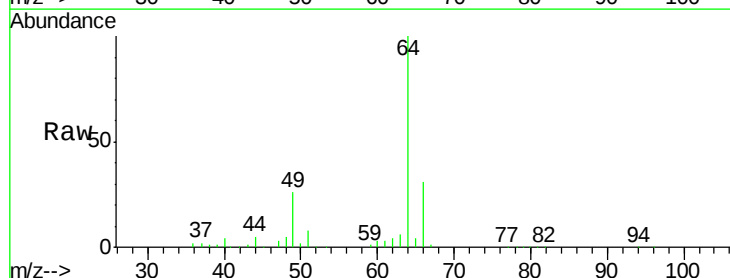
Acq: 08 May 2019 13:59

Tgt Ion: 64 Resp: 31166

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

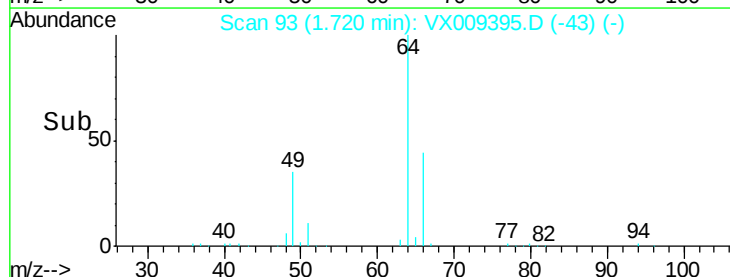
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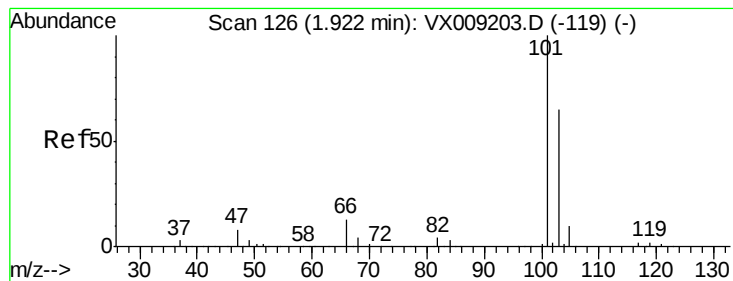
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5000

0

Time-->





#7

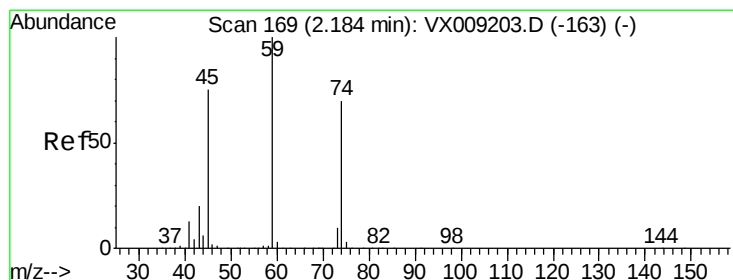
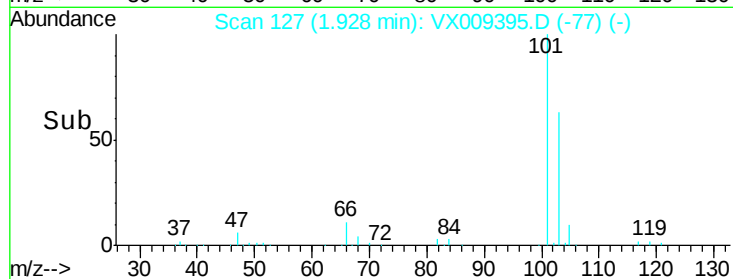
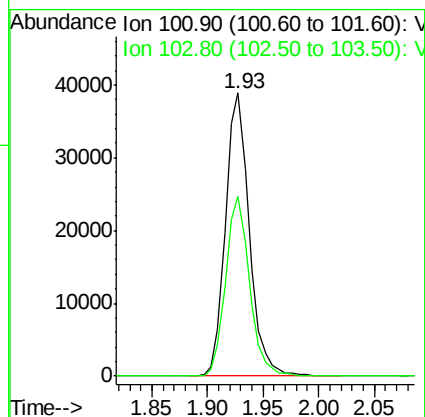
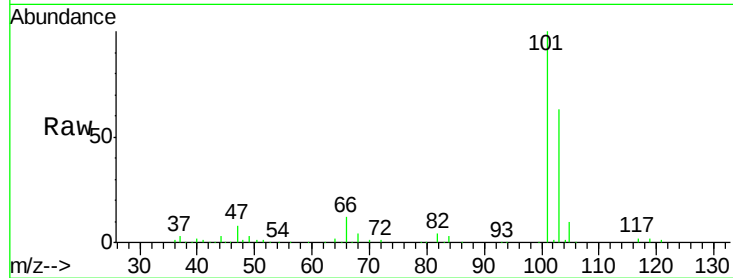
Trichlorofluoromethane
 Concen: 21.831 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion:101 Resp: 57573
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6

Manual Integrations
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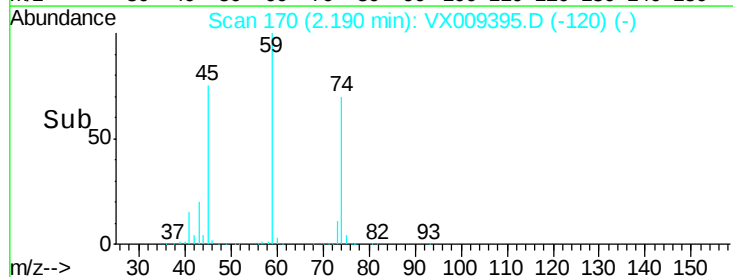
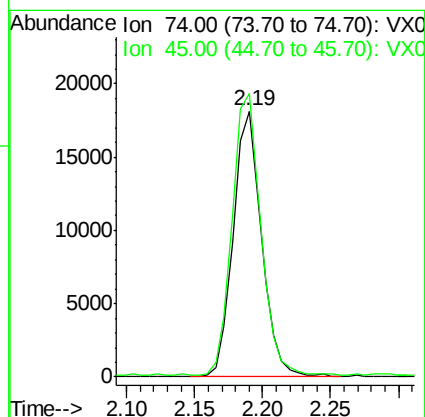
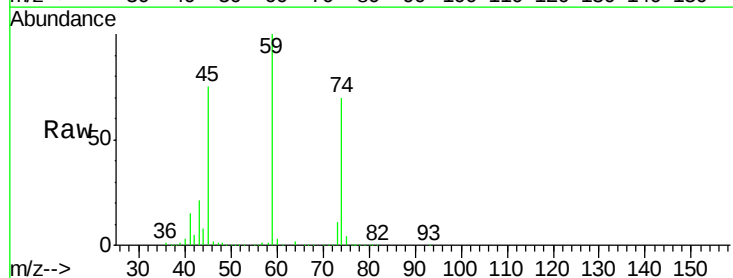
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#8

Diethyl Ether
 Concen: 21.092 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion: 74 Resp: 26348
 Ion Ratio Lower Upper
 74 100
 45 108.0 53.3 159.9





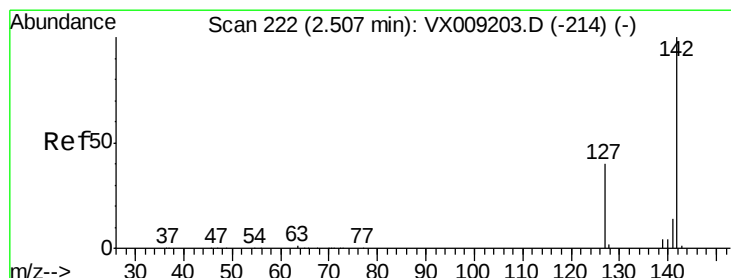
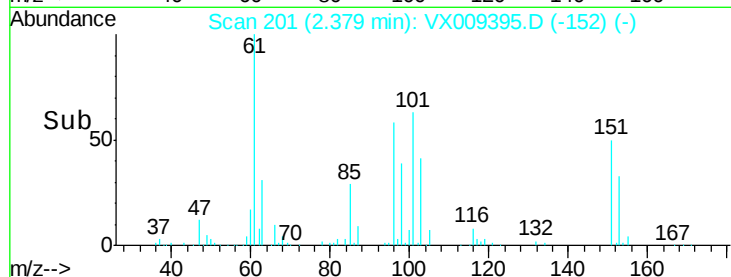
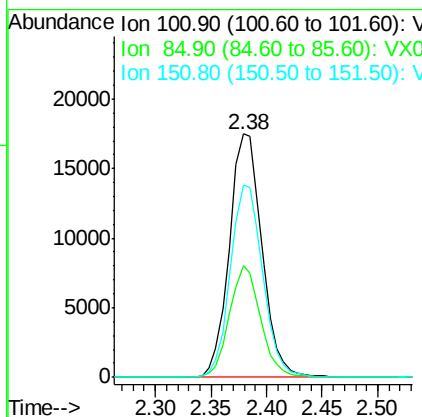
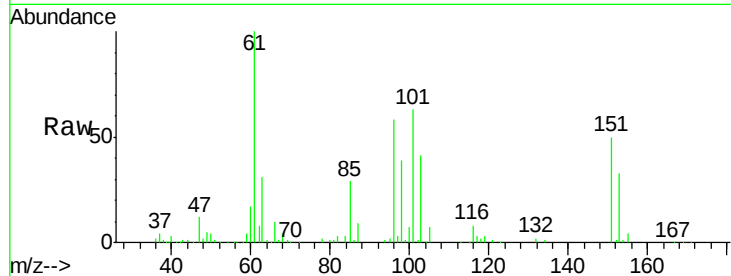
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.454 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX009395.D
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Instrument :
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ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	35530		
85	43.9		35.7	53.5
151	78.5		62.2	93.2

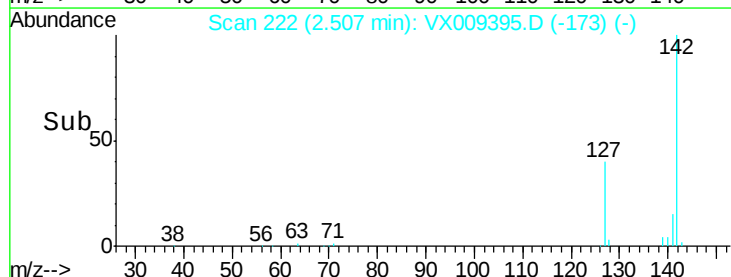
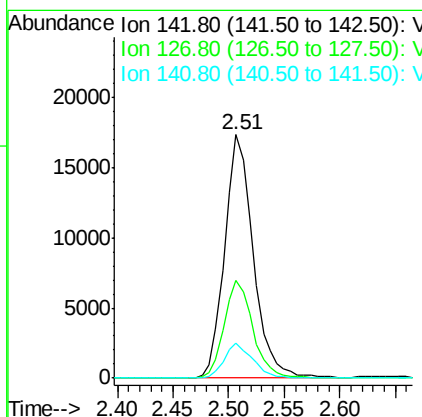
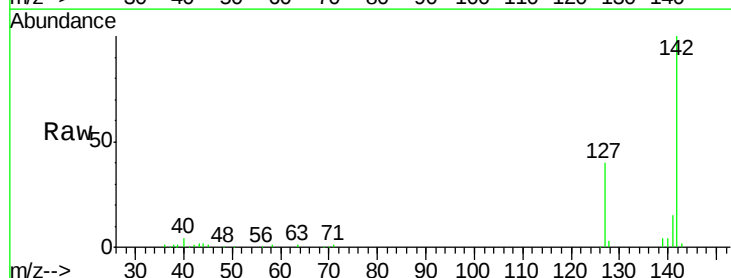
Manual Integrations
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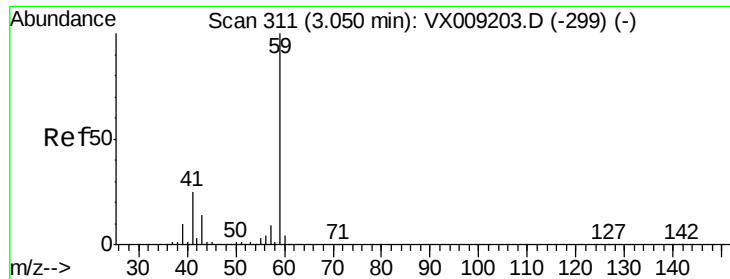
MMDadoda
5/9/2019 9:49:25 AM



#10
Methyl Iodide
Concen: 19.206 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	30962		
127	40.2		32.7	49.1
141	14.4		11.5	17.3





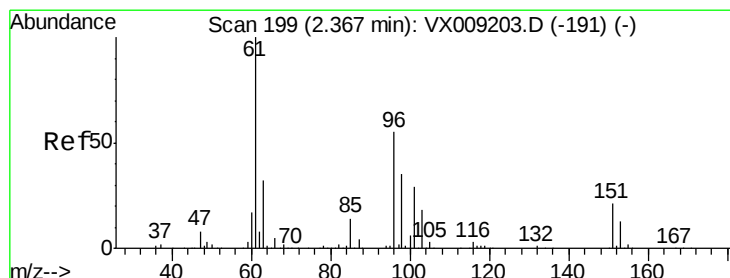
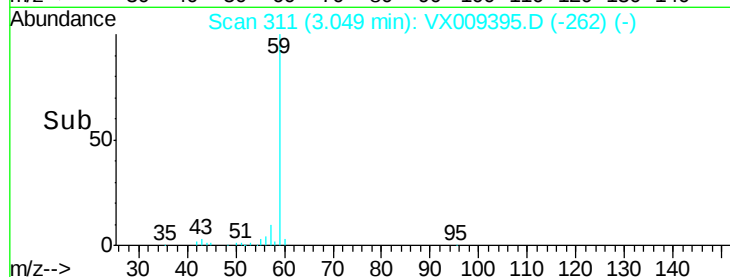
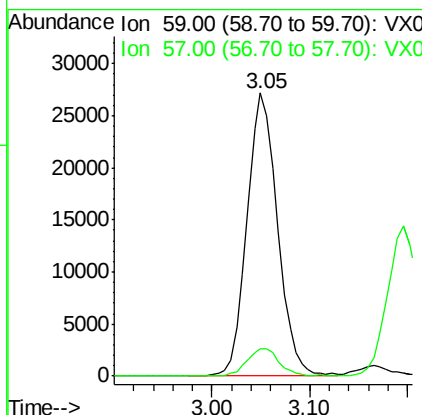
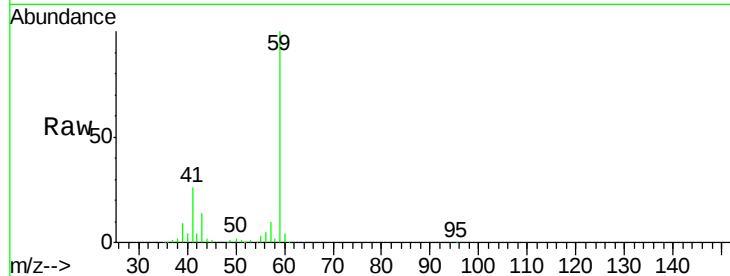
#11
Tert butyl alcohol
Concen: 105.685 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

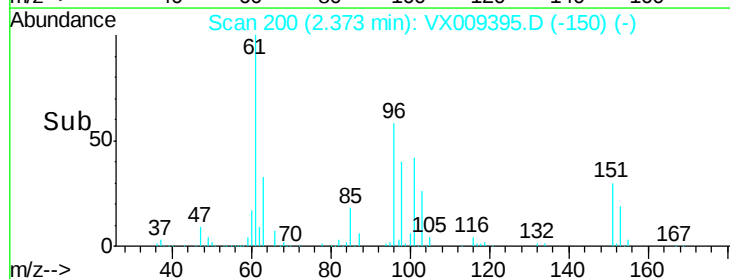
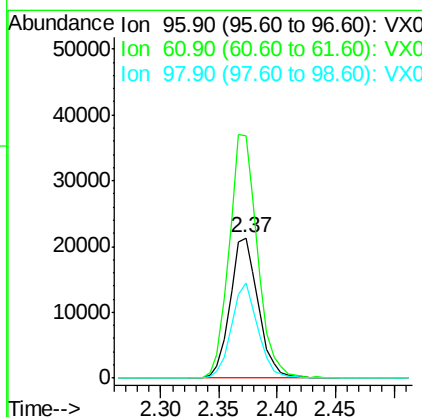
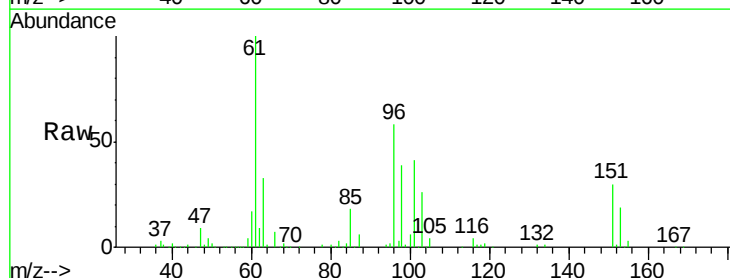
Manual Integrations
APPROVED

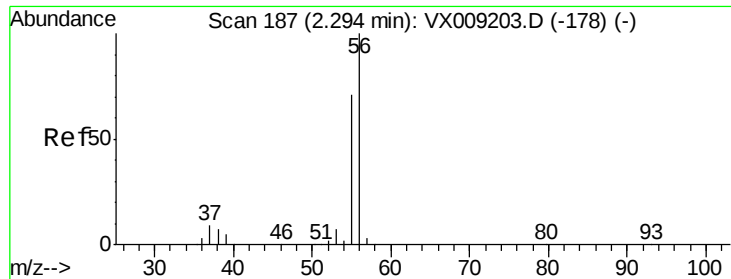
MMDadoda
5/9/2019 9:49:25 AM



#12
1,1-Dichloroethene
Concen: 21.628 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	144.3	216.5
98	68.1	50.3	75.5





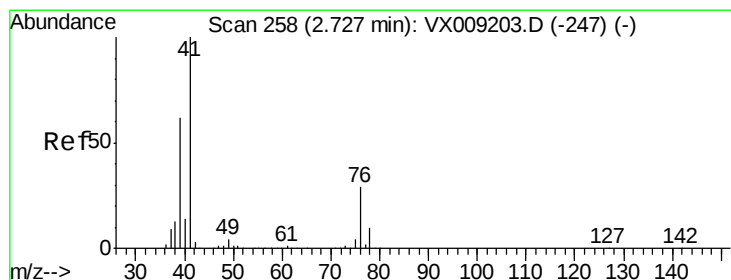
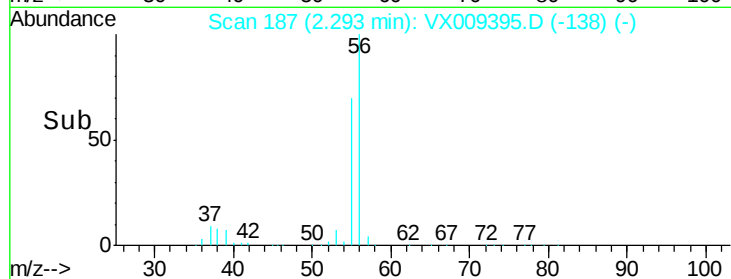
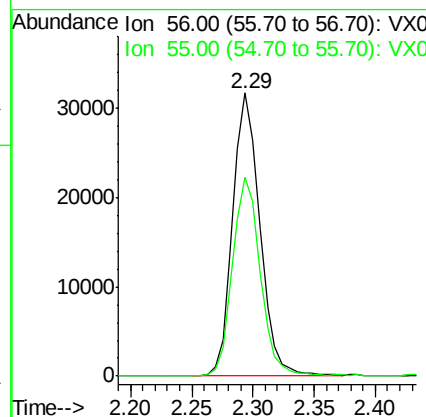
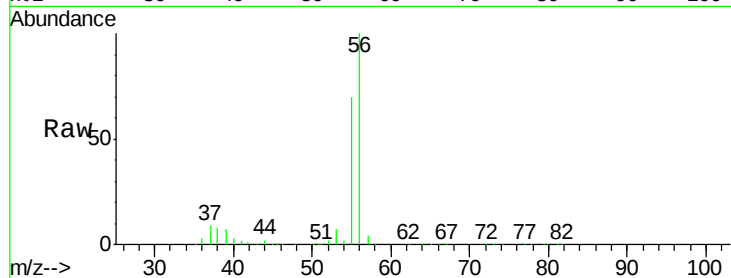
#13
Acrolein
Concen: 96.816 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.5		56.6	85.0	

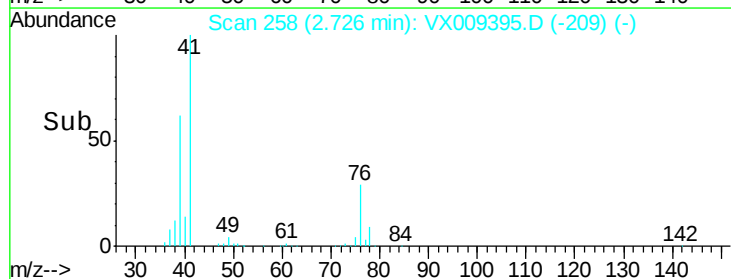
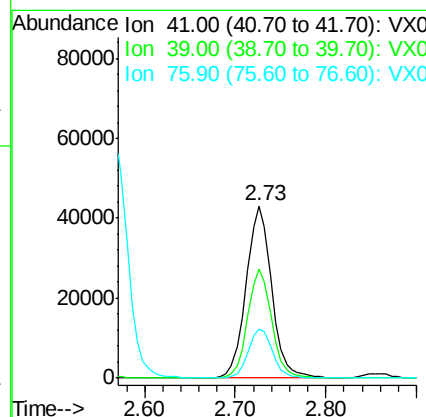
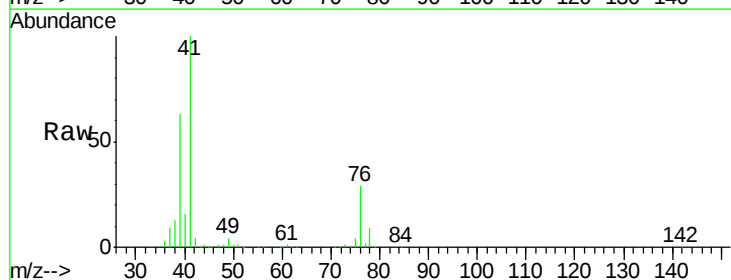
Manual Integrations
APPROVED

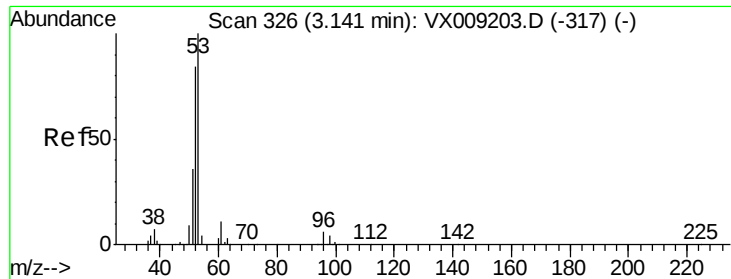
MMDadoda
5/9/2019 9:49:25 AM



#14
Allyl chloride
Concen: 20.847 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

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





#15

Acrylonitrile

Concen: 106.396 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

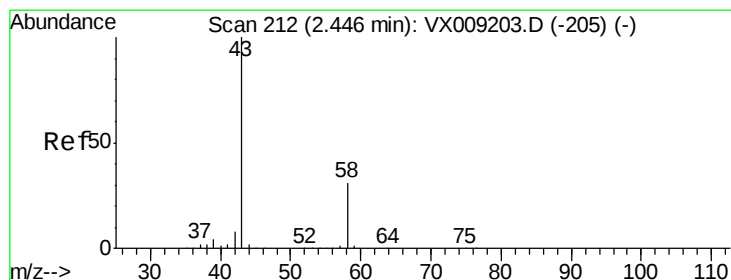
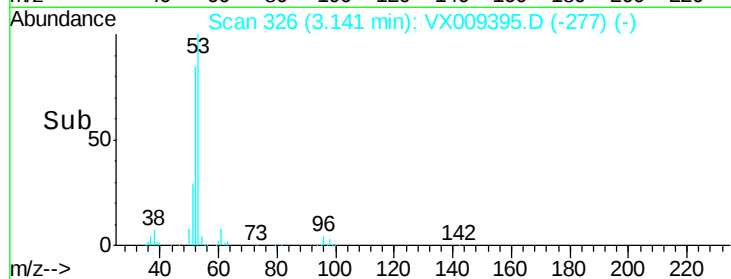
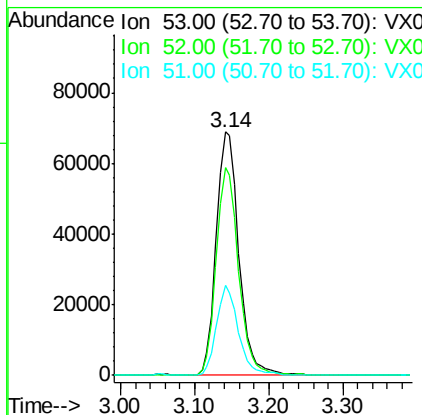
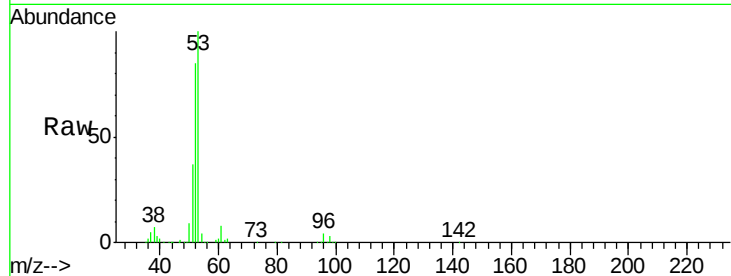
ClientSampleId :

VX0508WBS02

Tot Ion:	53	Resp:	145375
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 113.618 ug/l

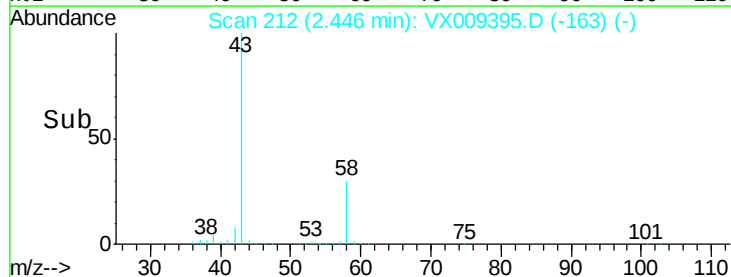
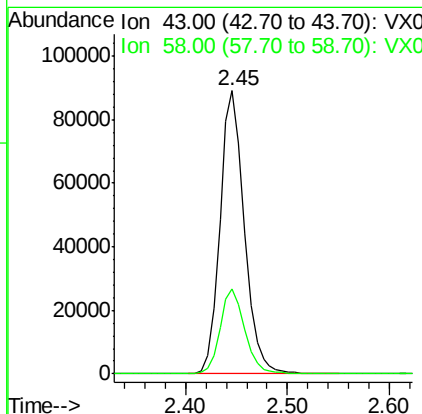
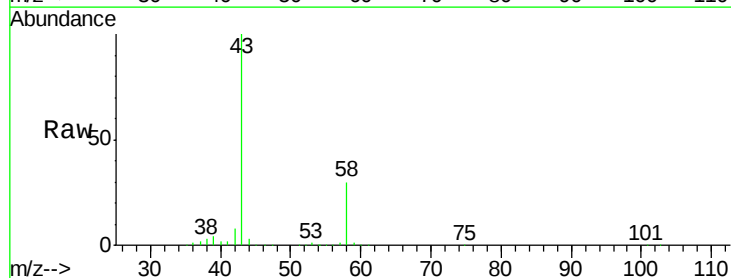
RT: 2.45 min Scan# 212

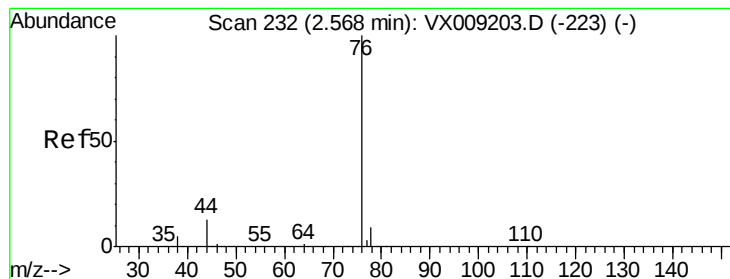
Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion:	43	Resp:	147284
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.9	37.3





#17

Carbon Disulfide

Concen: 22.369 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 76 Resp: 104212

Ion Ratio Lower Upper

76 100

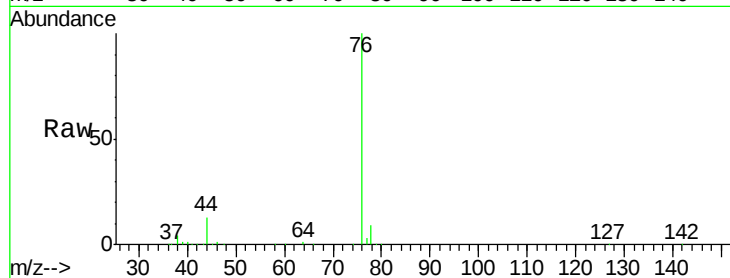
78 8.9 7.4 11.0

Manual Integrations

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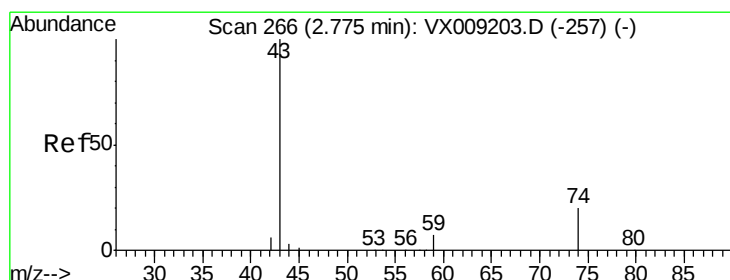
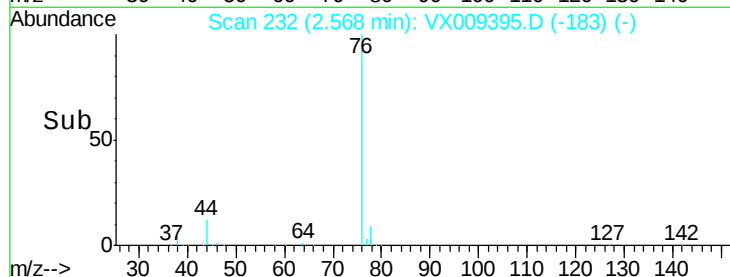
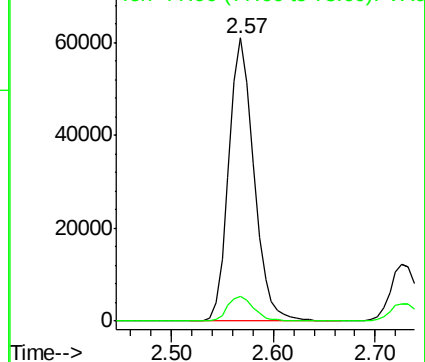
MMDadoda

5/9/2019 9:49:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.583 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009395.D

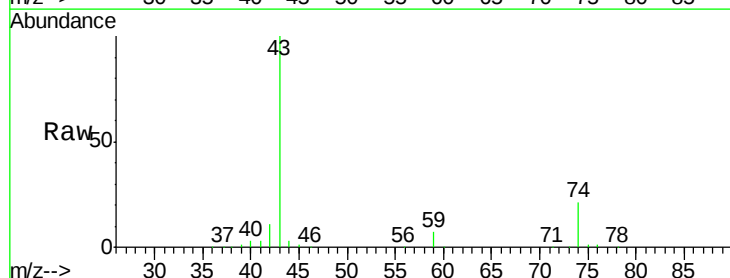
Acq: 08 May 2019 13:59

Tgt Ion: 43 Resp: 60372

Ion Ratio Lower Upper

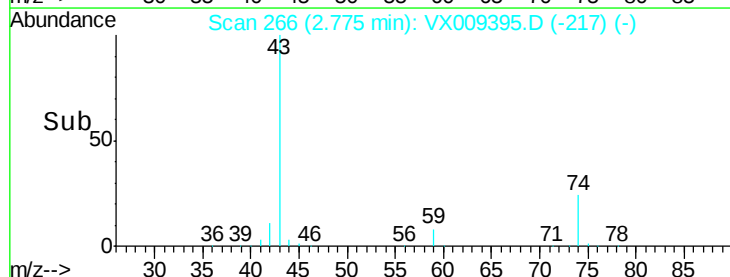
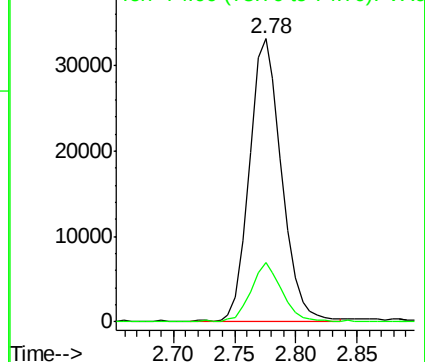
43 100

74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





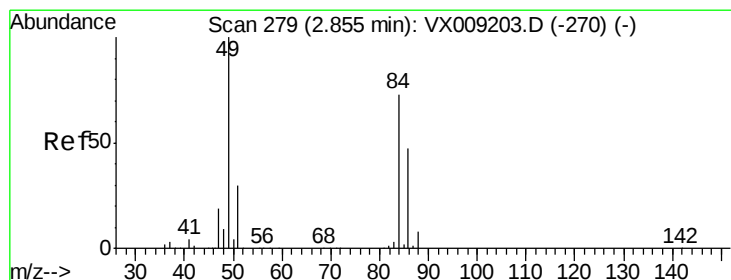
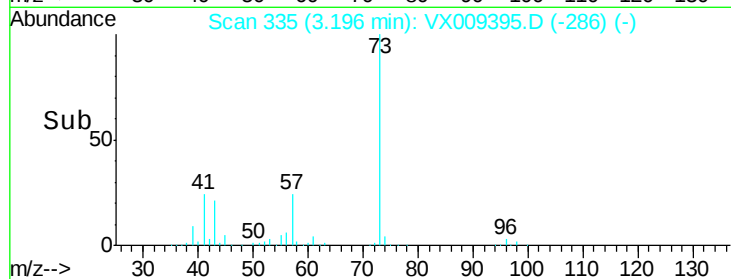
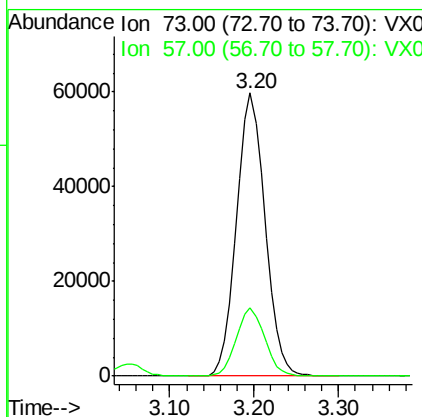
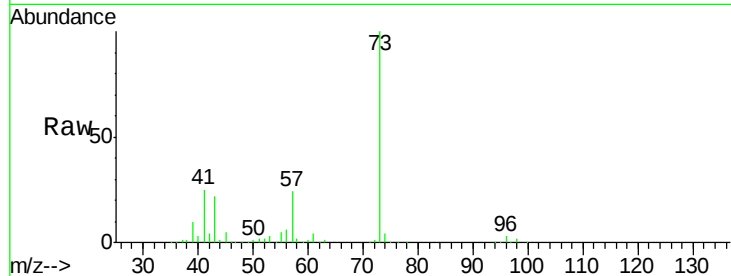
#19
Methvl tert-butvl Ether
Concen: 21.274 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion: 73 Resp: 137080
Ion Ratio Lower Upper
73 100
57 24.1 19.3 28.9

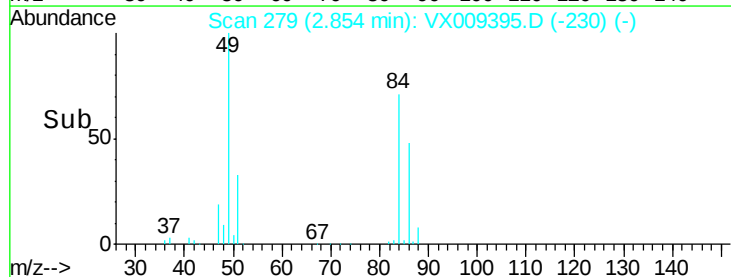
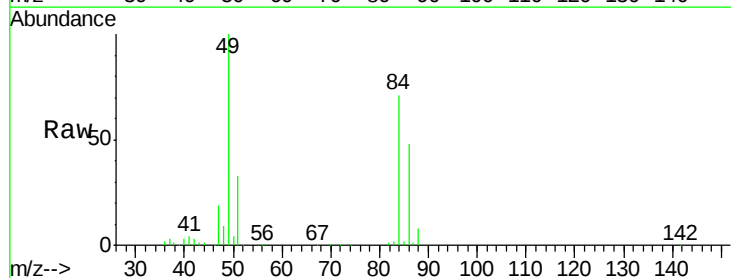
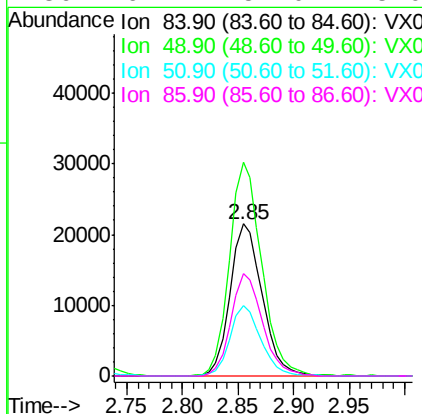
Manual Integrations
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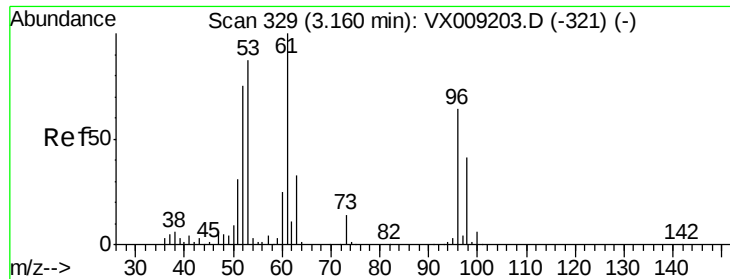
MMDadoda
5/9/2019 9:49:25 AM



#20
Methylene Chloride
Concen: 20.475 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion: 84 Resp: 42975
Ion Ratio Lower Upper
84 100
49 140.6 109.9 164.9
51 46.1 32.7 49.1
86 67.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 21.224 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

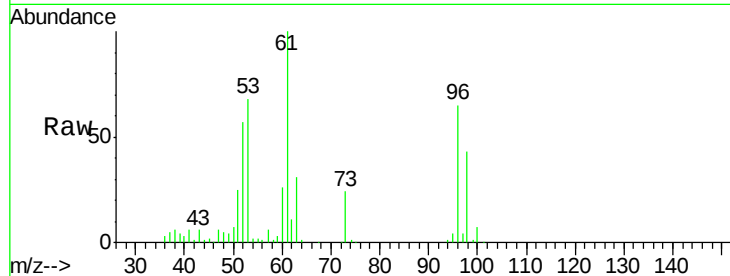
ClientSampleId :

VX0508WBS02

Tot Ion:	96	Resp:	38193
Ion	Ratio	Lower	Upper
96	100		
61	153.4	124.5	186.7
98	65.5	50.4	75.6

Manual Integrations
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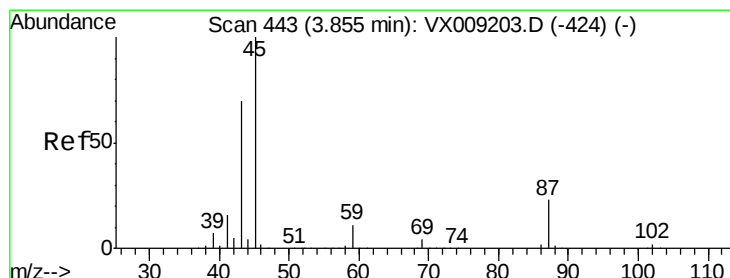
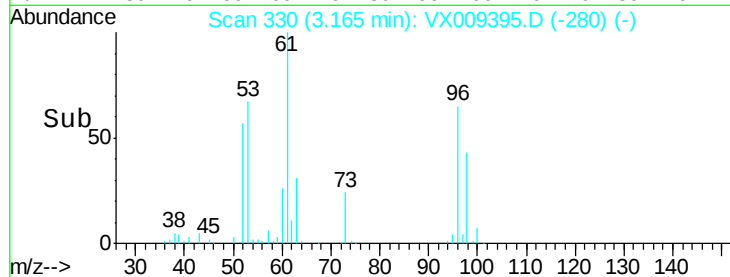
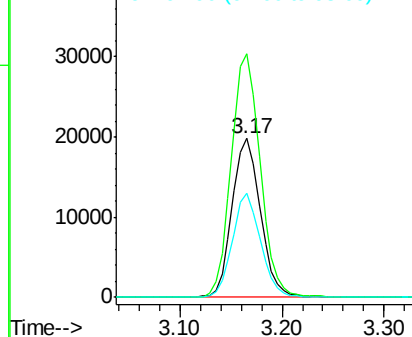


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.196 ug/l

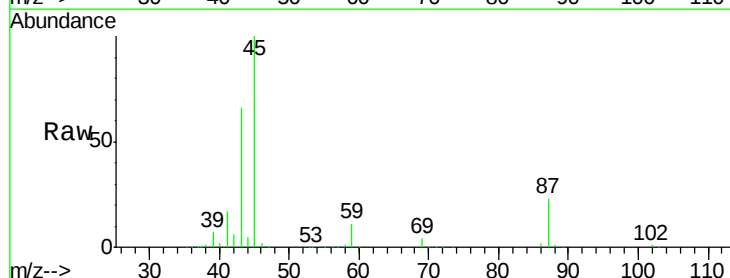
RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion:	45	Resp:	164833
Ion	Ratio	Lower	Upper
45	100		
43	65.9	56.1	84.1
87	23.5	18.1	27.1
59	11.0	8.5	12.7



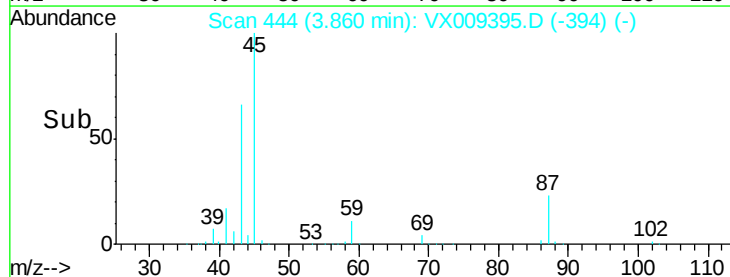
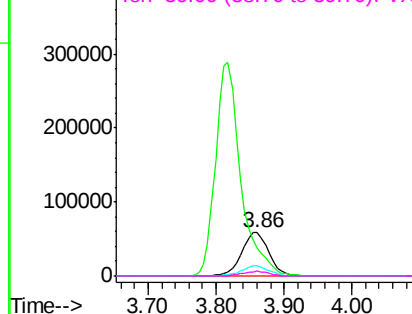
Abundance

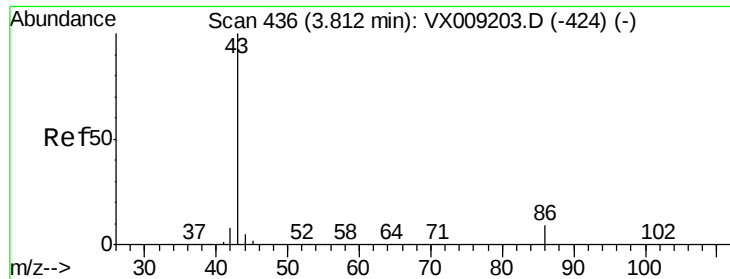
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 112.167 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 43 Resp: 746946

Ion Ratio Lower Upper

43 100

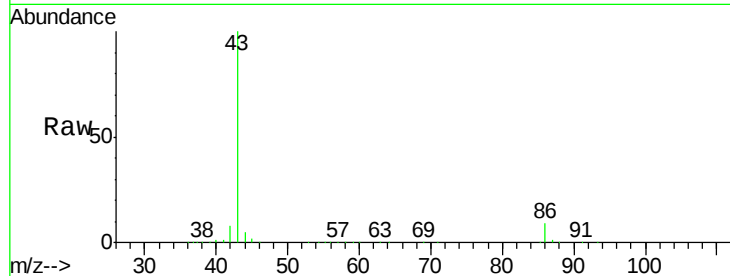
86 8.9 6.9 10.3

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

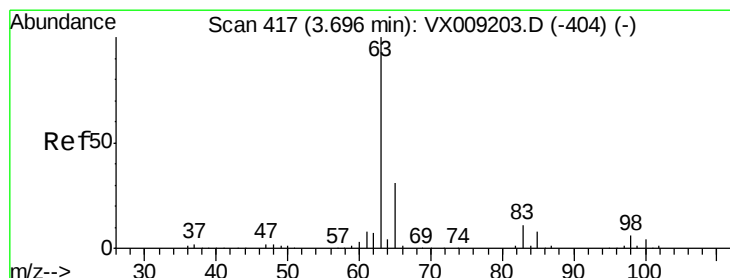
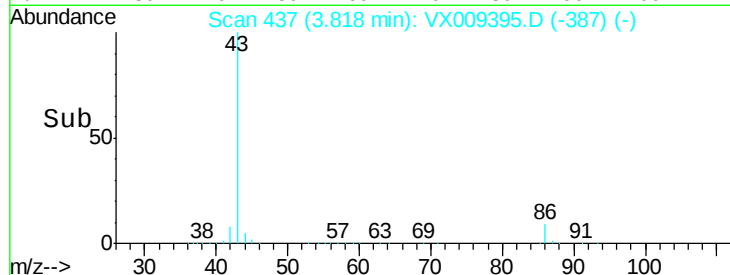
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.974 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

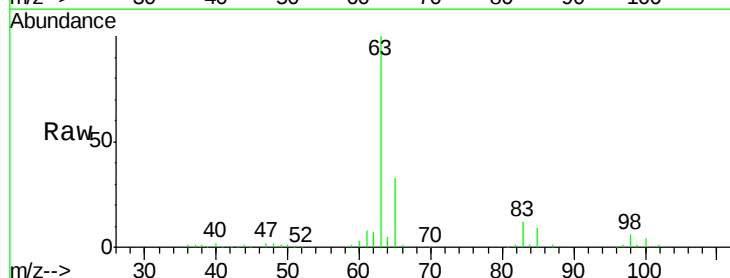
Tgt Ion: 63 Resp: 80465

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.2 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

40000

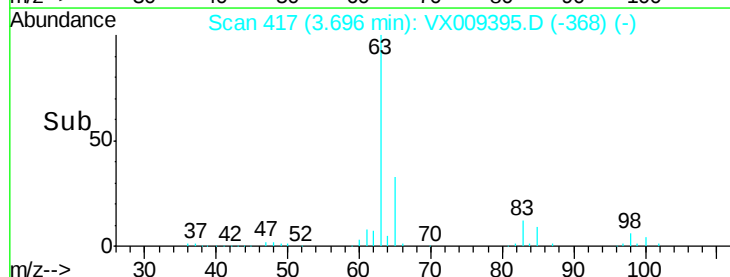
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 110.806 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 43 Resp: 223211

Ion Ratio Lower Upper

43 100

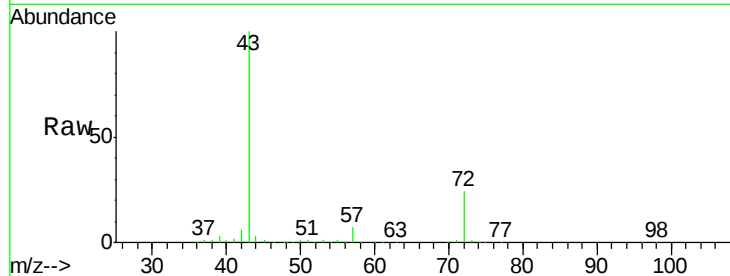
72 23.5 18.2 27.2

Manual Integrations

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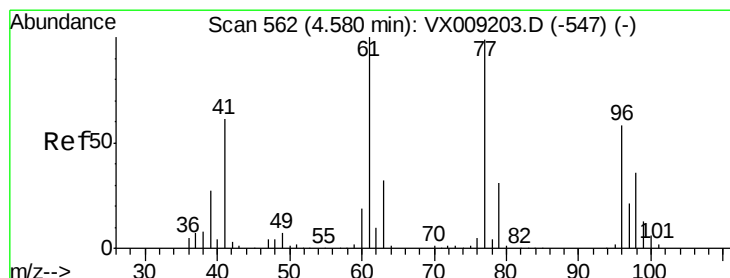
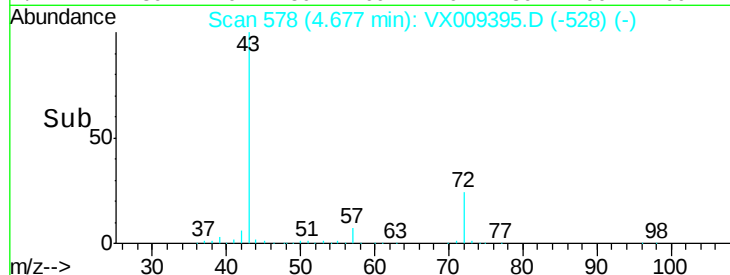
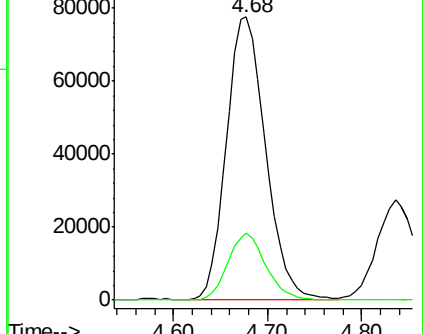
MMDadoda

5/9/2019 9:49:25 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: 21.052 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009395.D

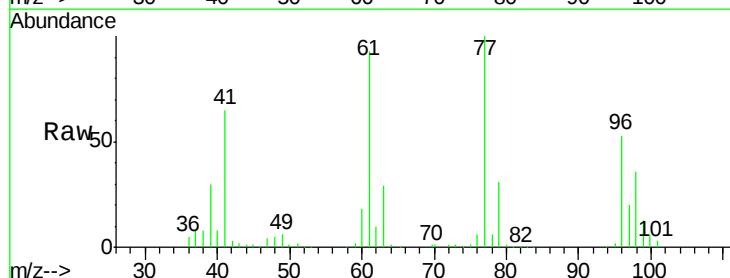
Acq: 08 May 2019 13:59

Tgt Ion: 77 Resp: 60114

Ion Ratio Lower Upper

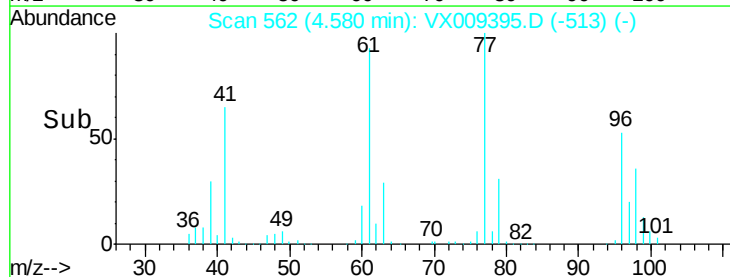
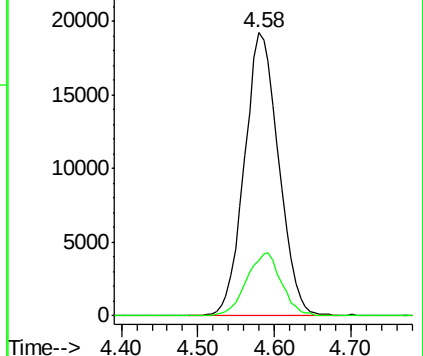
77 100

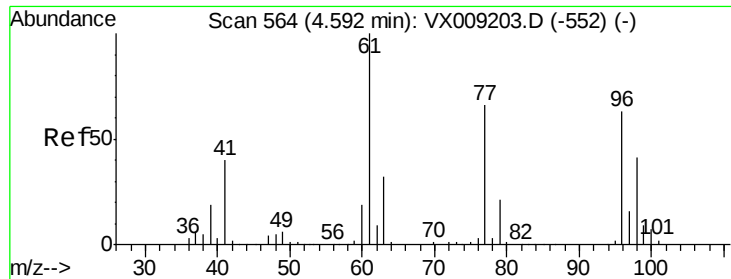
97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

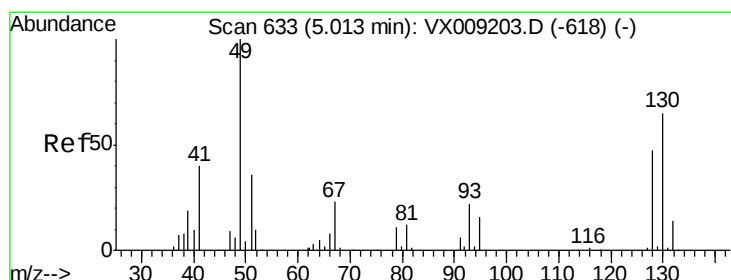
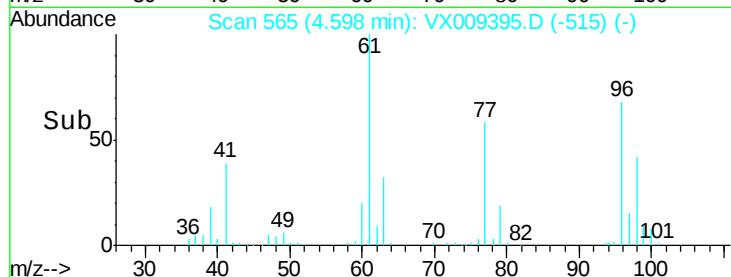
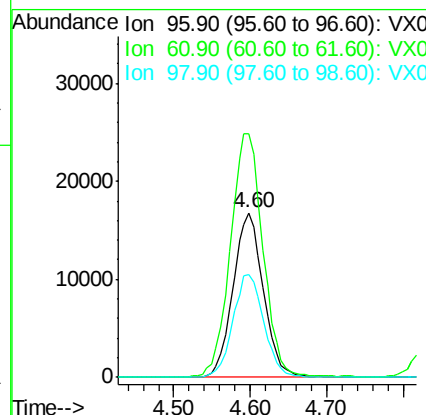
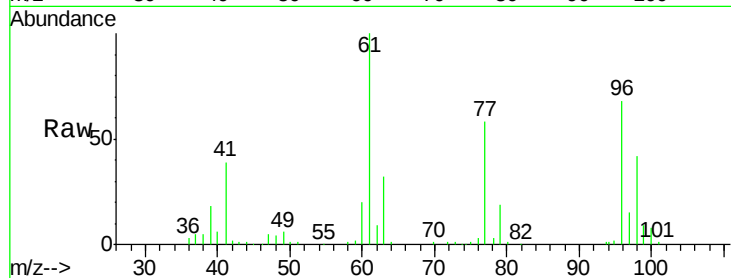
cis-1,2-Dichloroethene
Concen: 21.427 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	324.0
98	63.5	0.0	130.4

Manual Integrations
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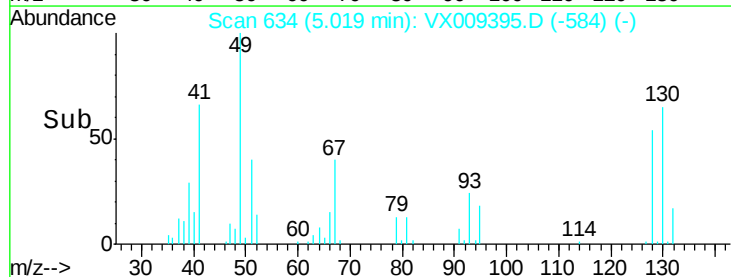
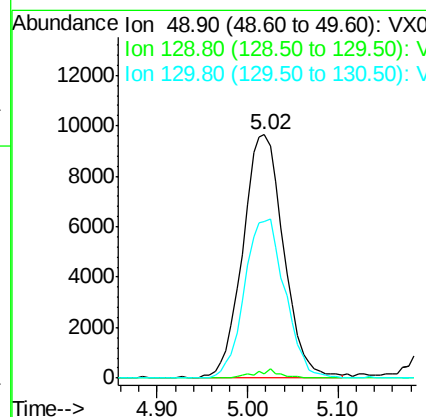
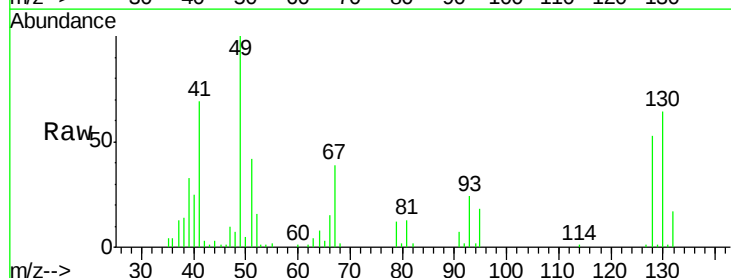
MMDadoda
5/9/2019 9:49:25 AM

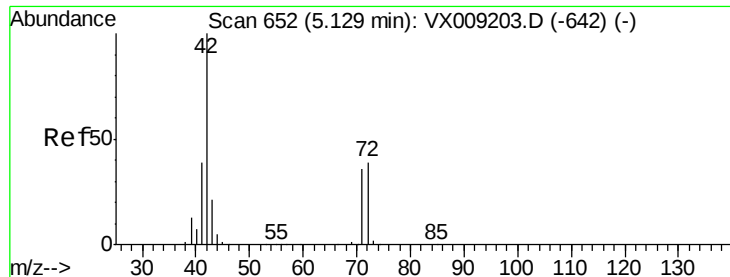


#28

Bromochloromethane
Concen: 17.680 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	64.9	51.2	76.8





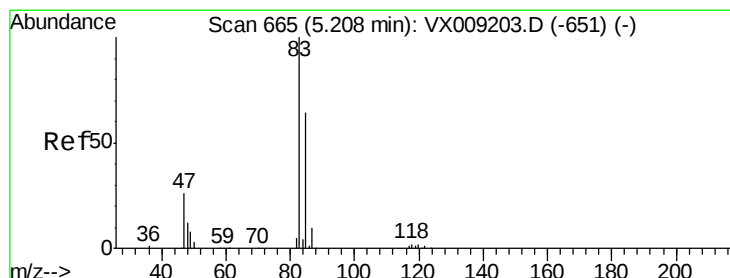
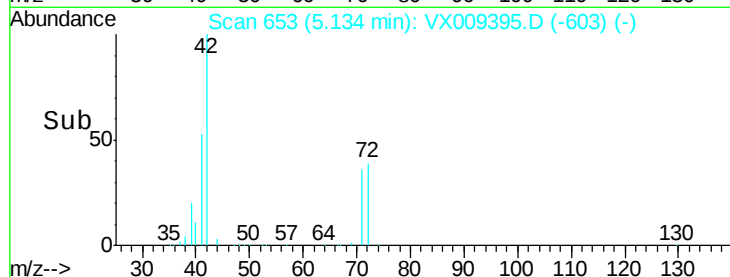
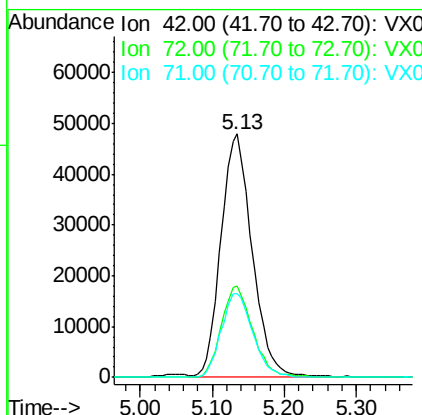
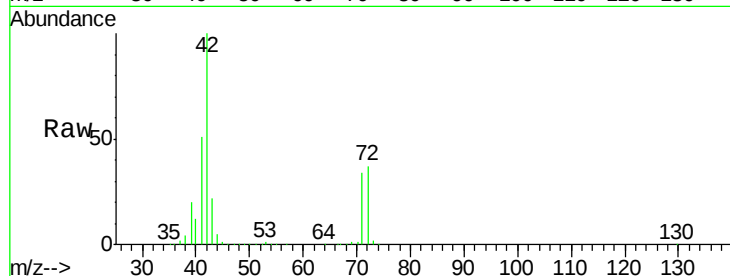
#29
Tetrahydrofuran
Concen: 111.102 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.4	45.6
71	35.2	28.6	43.0

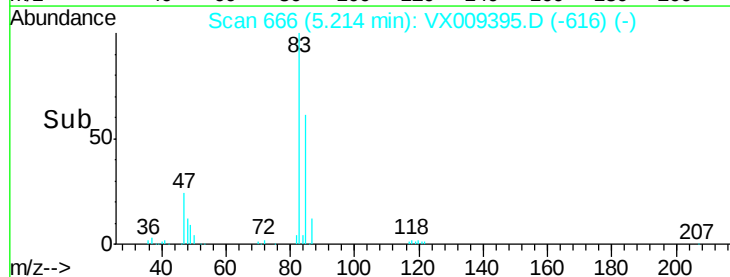
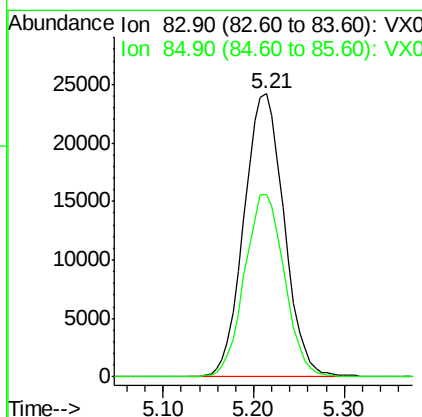
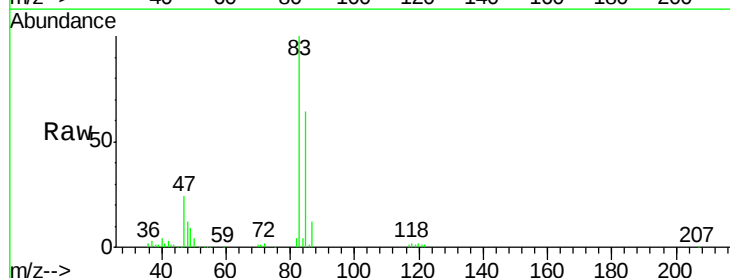
Manual Integrations
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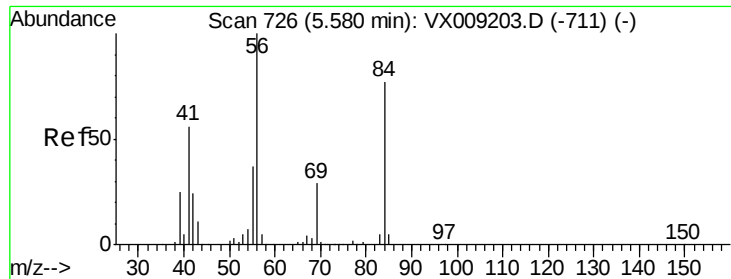
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#30
Chloroform
Concen: 21.388 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





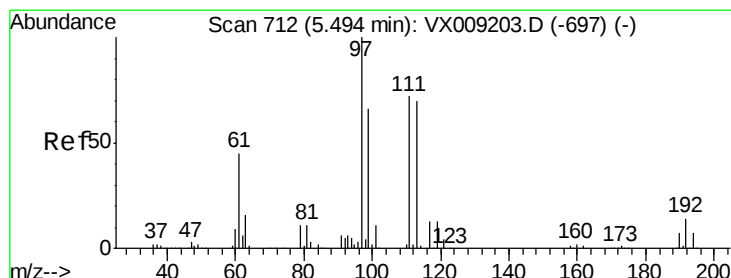
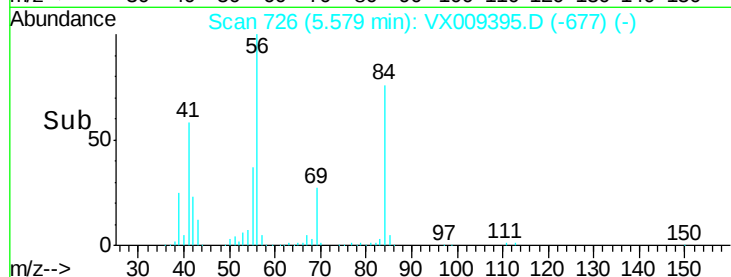
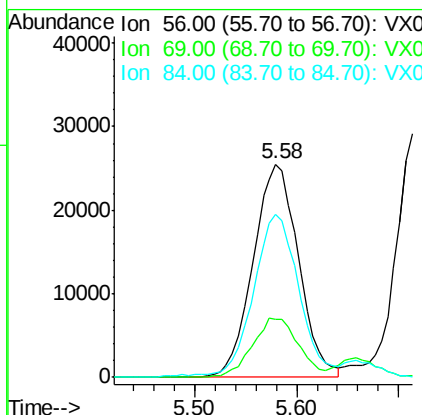
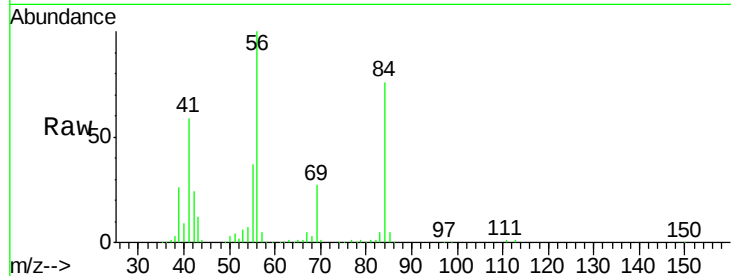
#31
Cyclohexane
Concen: 22.064 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.4	35.0
84	75.5	61.9	92.9

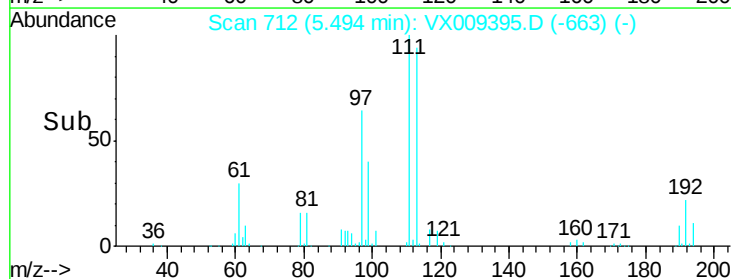
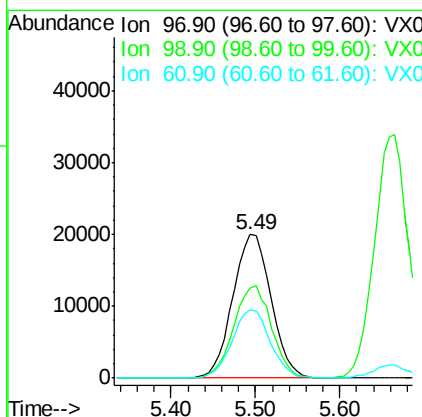
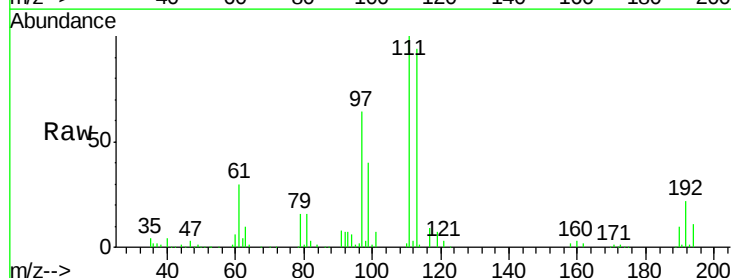
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 21.356 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	47.2	37.8	56.8





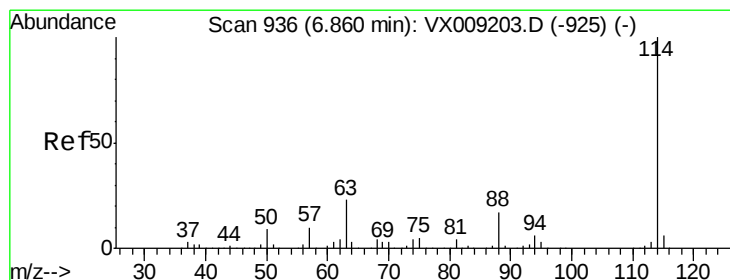
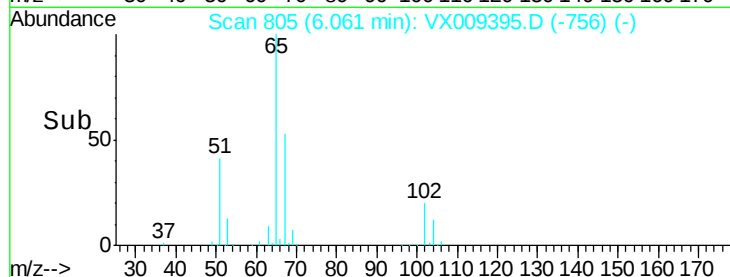
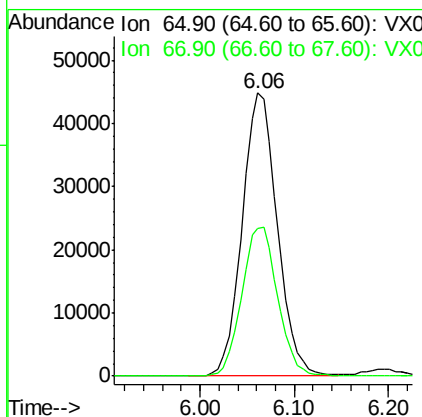
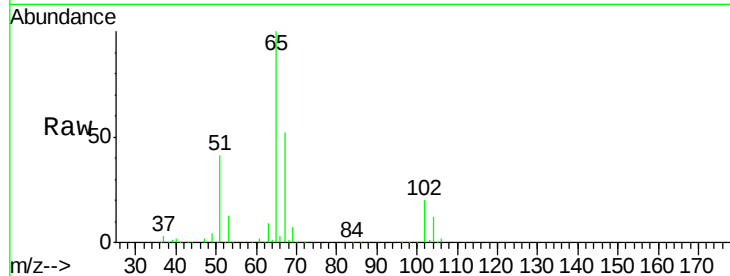
#33
 1,2-Dichloroethane-d4
 Concen: 48.417 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampled :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.6

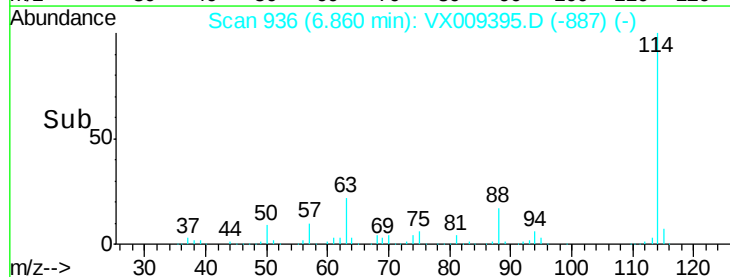
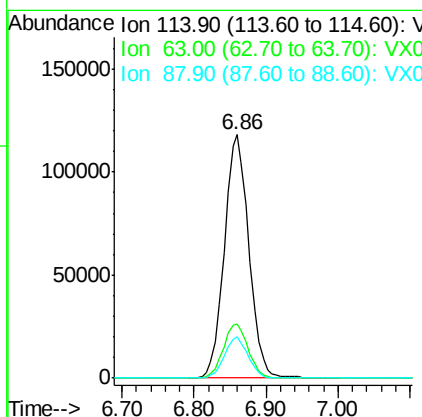
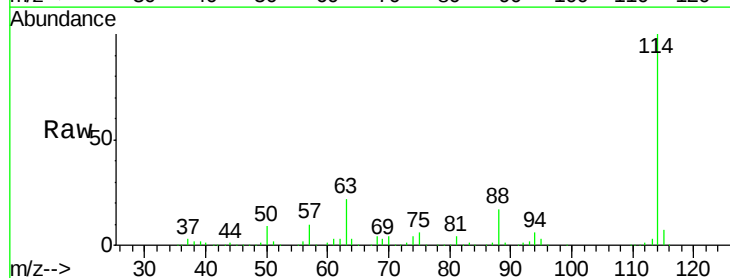
Manual Integrations
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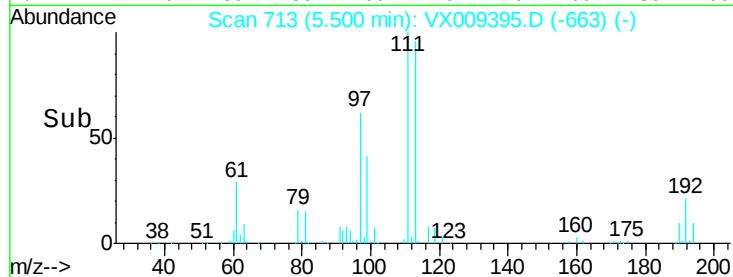
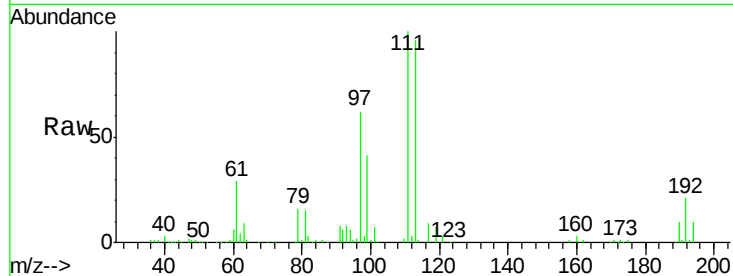
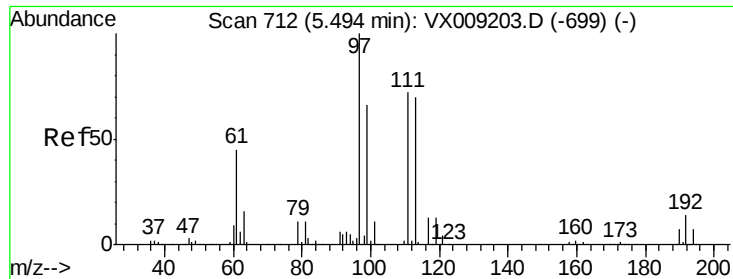
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.8	0.0	33.2





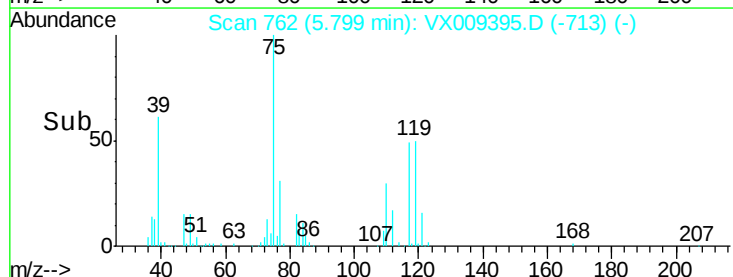
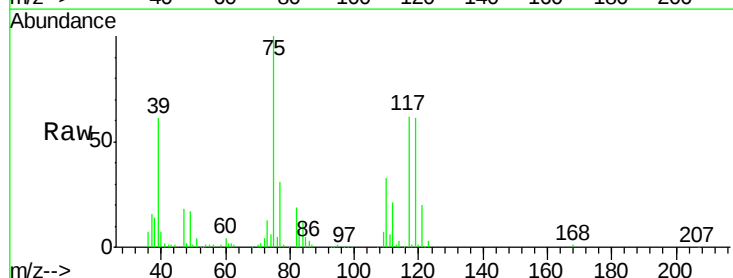
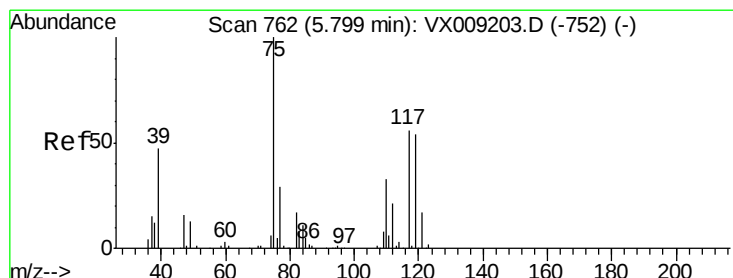
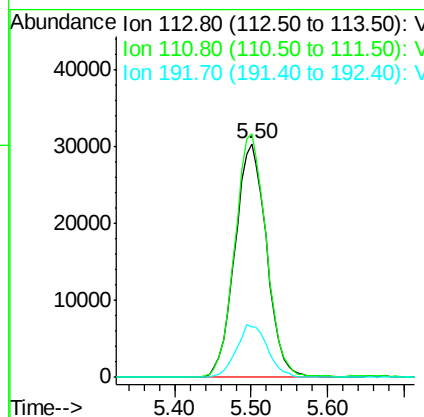
#35
Dibromofluoromethane
Concen: 49.622 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	87133		
111	103.5	82.8	124.2	
192	22.2	17.0	25.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

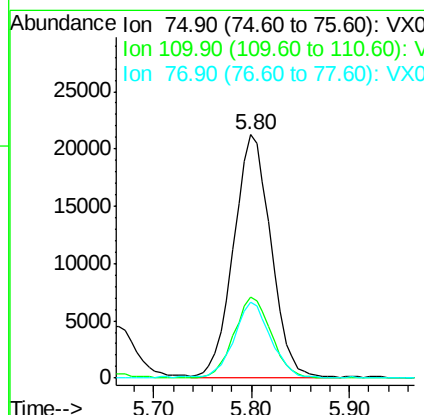
Manual Integrations
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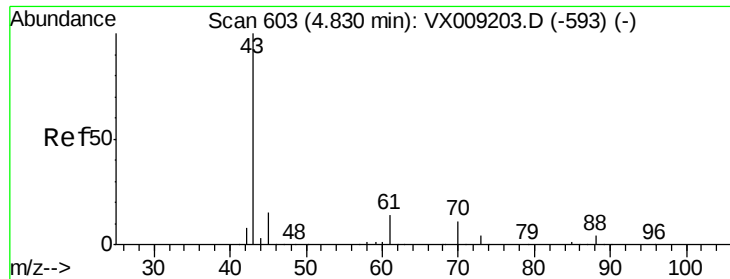
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#36
1,1-Dichloropropene
Concen: 21.569 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55990		
110	33.6	16.9	50.6	
77	30.9	24.8	37.2	





#37

Ethyl Acetate

Concen: 22.189 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

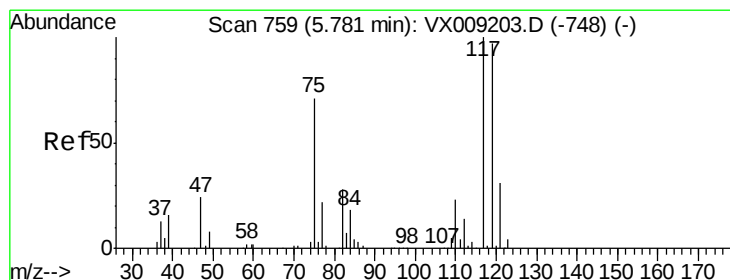
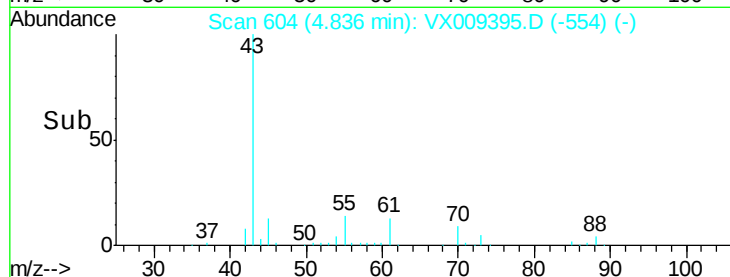
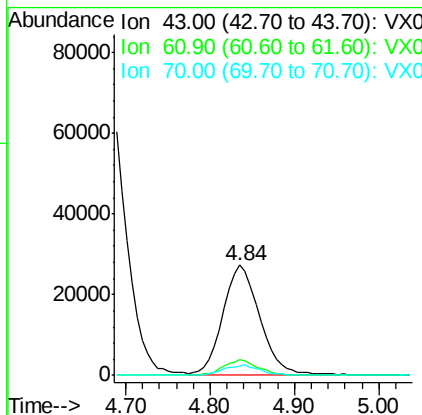
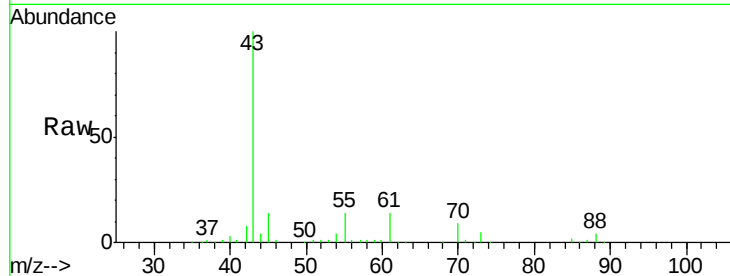
ClientSampled :

VX0508WBS02

Tot Ion:	43	Resp:	80253
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.5	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.635 ug/l

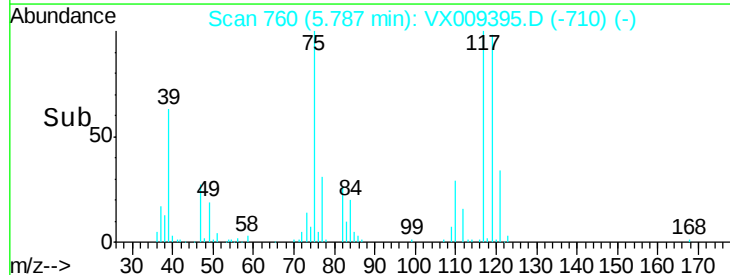
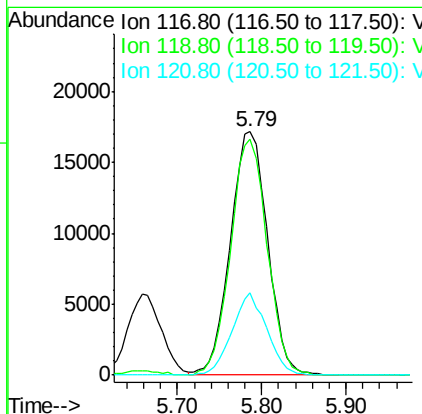
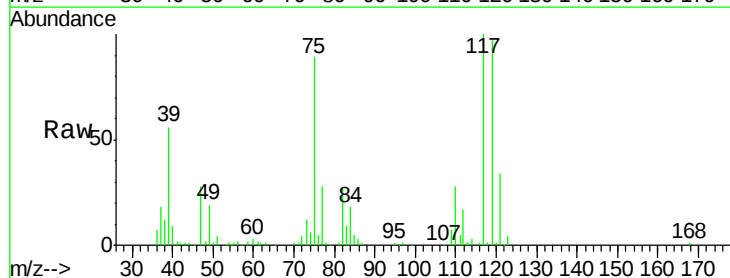
RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion:	117	Resp:	51026
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.5	116.3
121	33.9	24.7	37.1





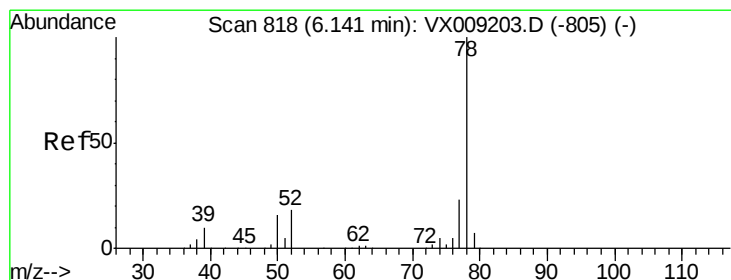
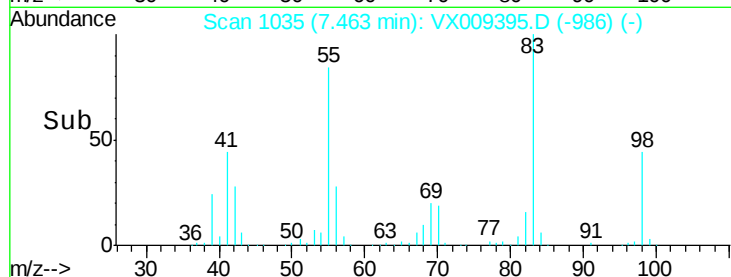
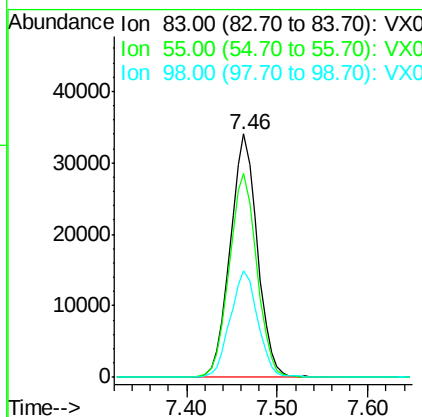
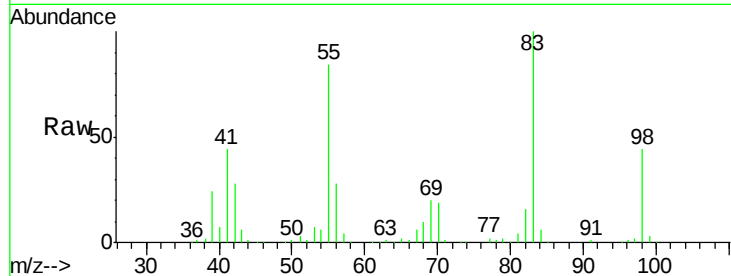
#39
Methvlcvclohexane
Concen: 22.178 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.7	101.5
98	43.7	35.5	53.3

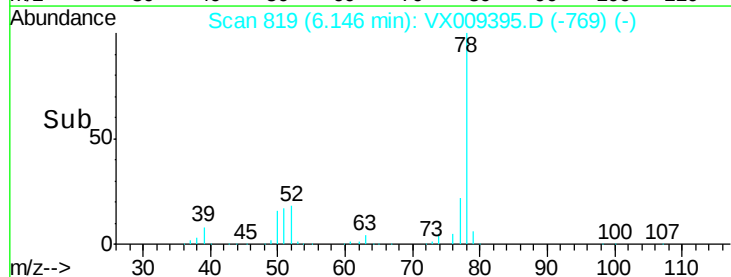
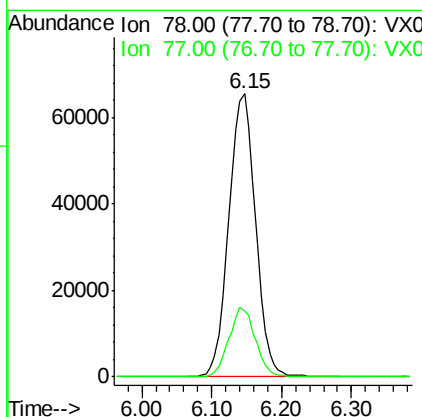
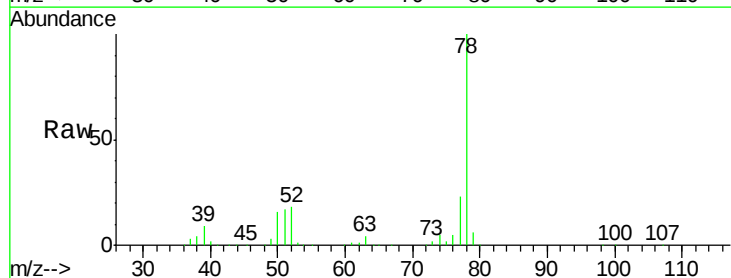
Manual Integrations
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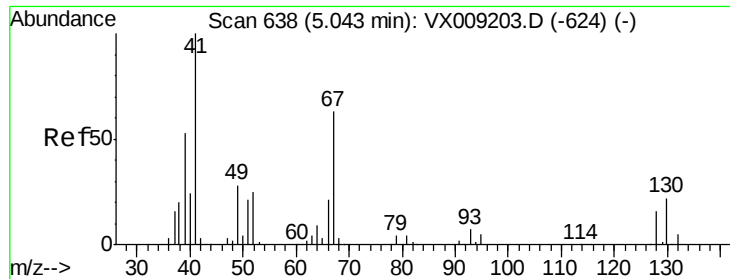
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#40
Benzene
Concen: 21.739 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





#41

Methacrylonitrile

Concen: 21.102 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

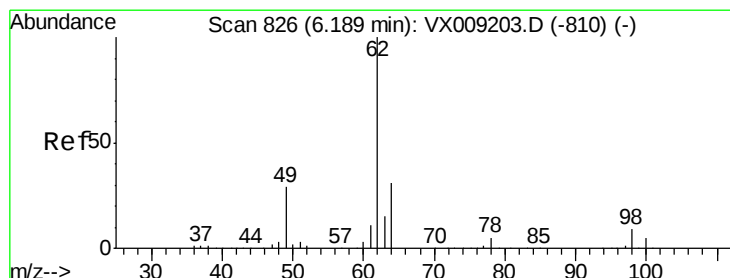
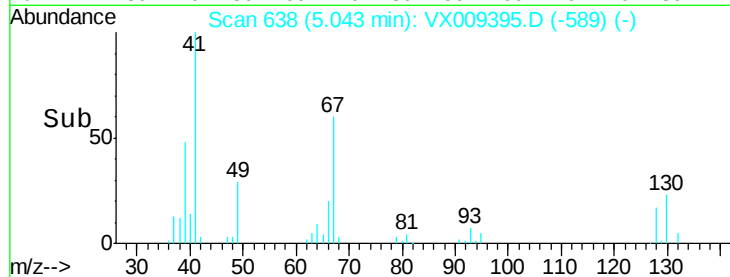
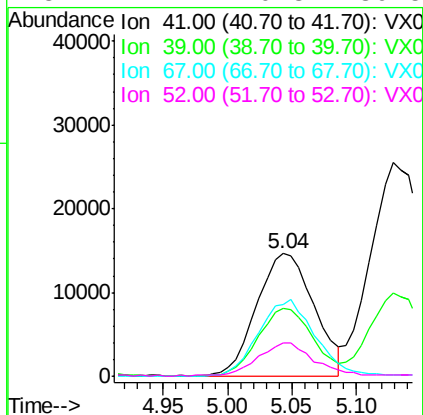
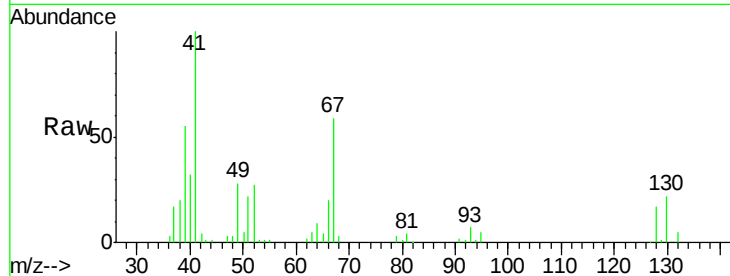
ClientSampleId :

VX0508WBS02

Tot Ion:	41	Resp:	45431
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.0	63.0
67	62.0	49.8	74.8
52	27.2	20.3	30.5

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#42

1,2-Dichloroethane

Concen: 21.972 ug/l

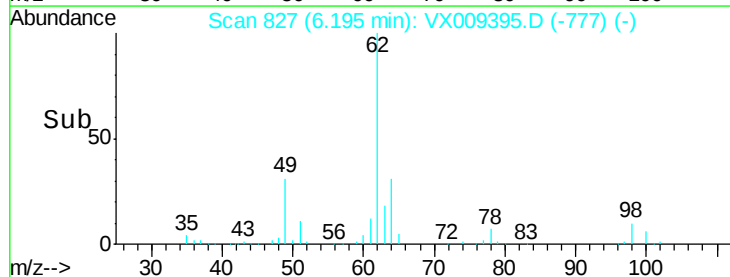
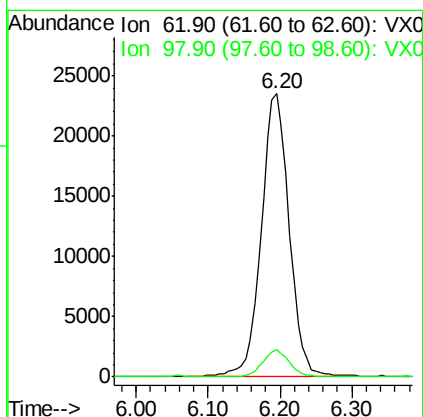
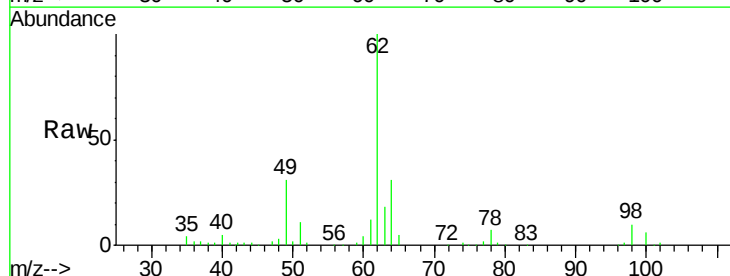
RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion:	62	Resp:	63318
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 21.603 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

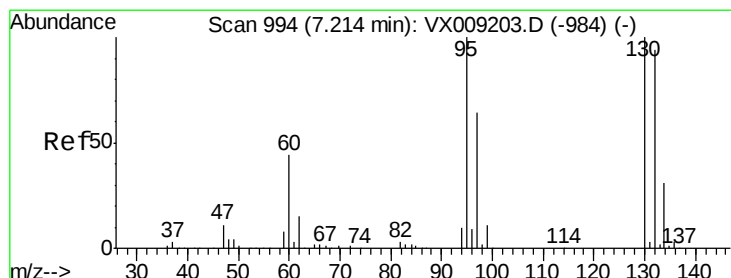
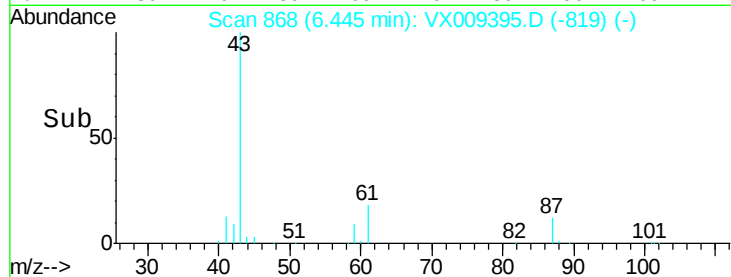
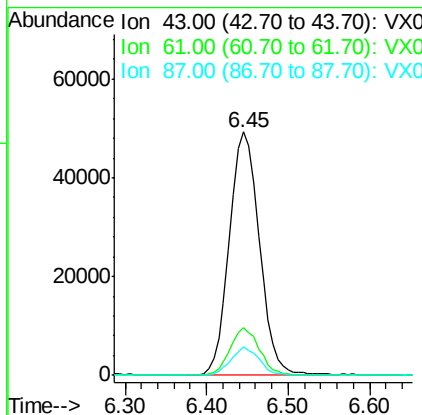
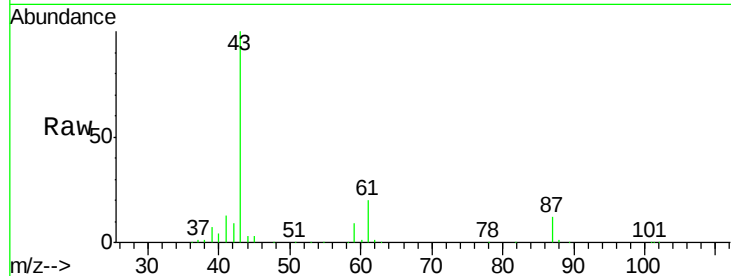
ClientSampleId :

VX0508WBS02

Tot Ion:	43	Resp:	124977
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	11.1	9.0	13.6

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#44

Trichloroethene

Concen: 21.831 ug/l

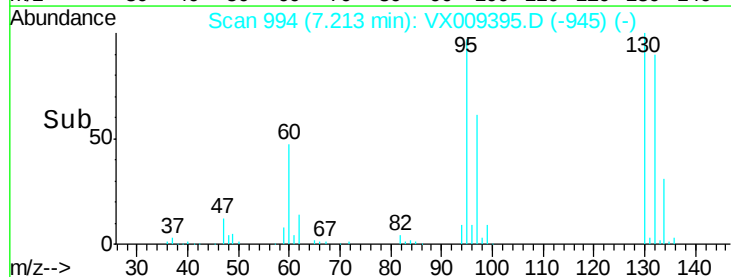
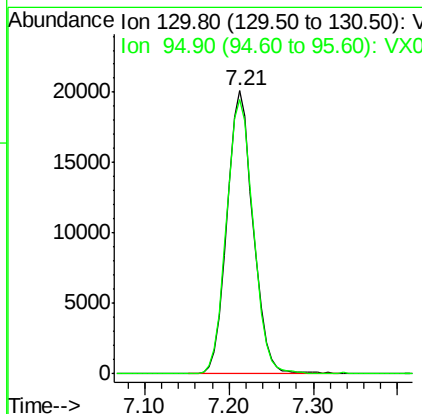
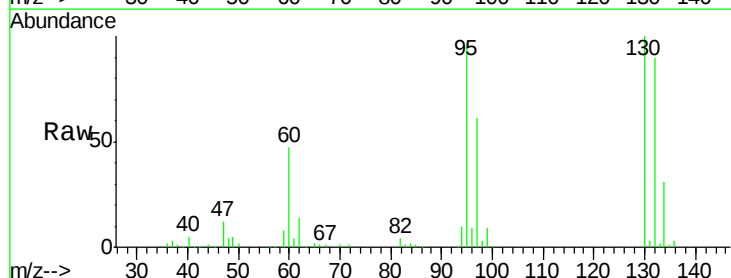
RT: 7.21 min Scan# 994

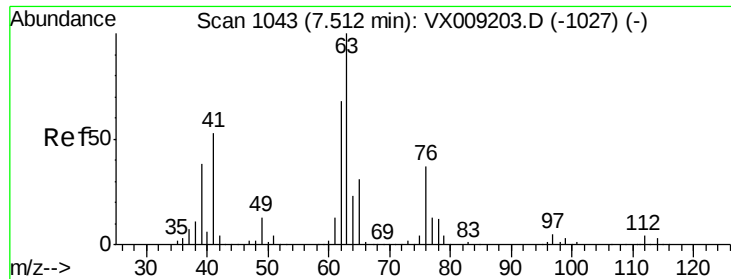
Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion:	130	Resp:	42398
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	199.2





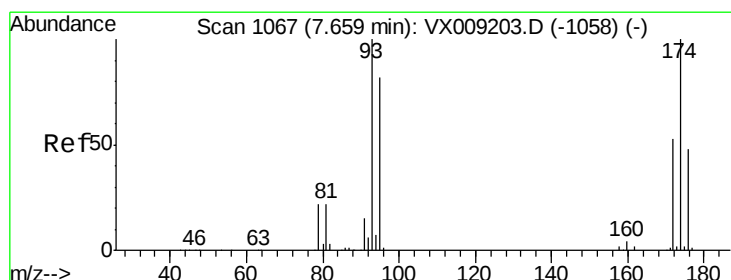
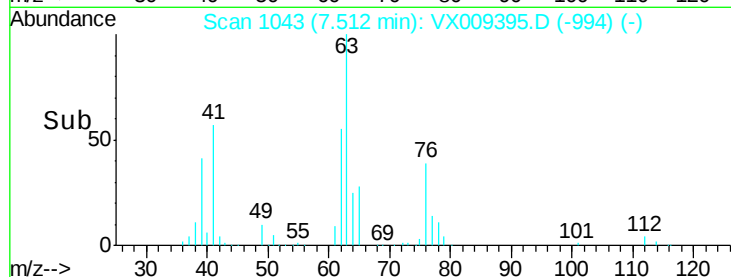
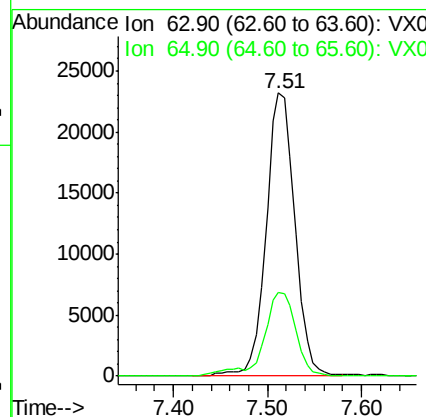
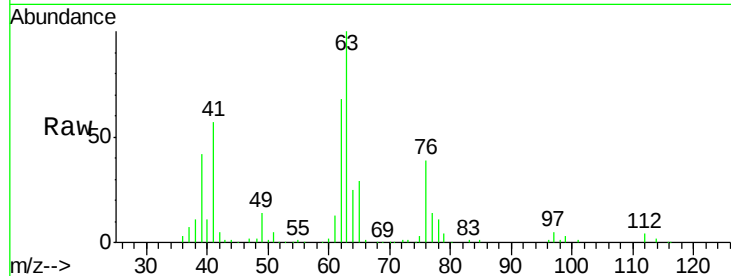
#45
 1,2-Dichloropropane
 Concen: 21.881 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampled :
 VX0508WBS02

Tot Ion: 63 Resp: 49774
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.6

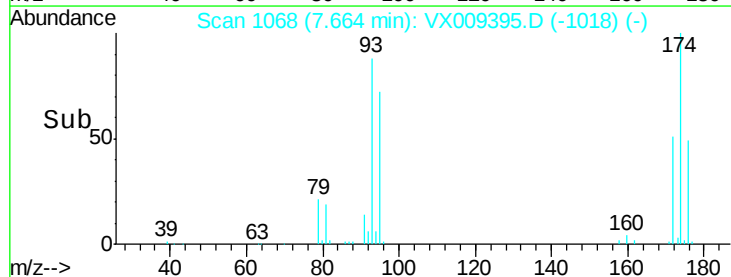
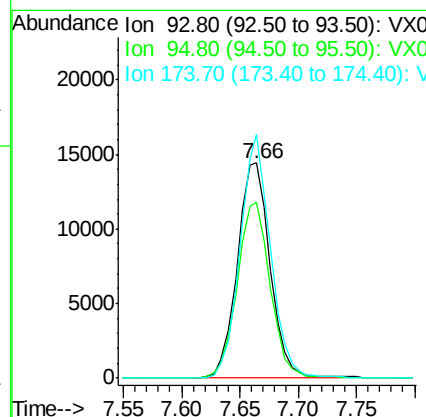
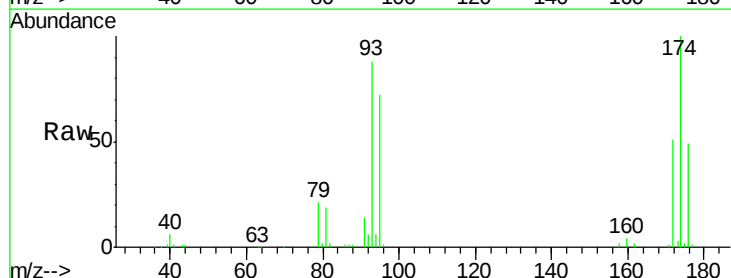
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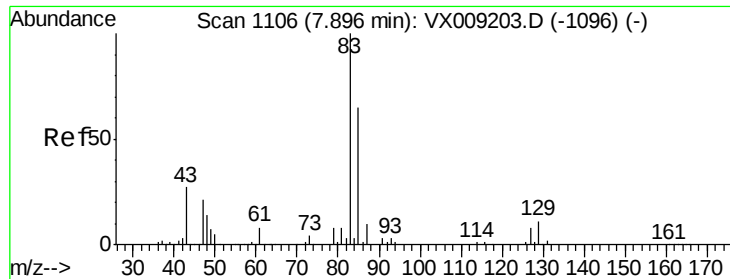
MMDadoda
 5/9/2019 9:49:25 AM



#46
 Dibromomethane
 Concen: 21.389 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion: 93 Resp: 28254
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.5 99.7
 174 104.8 82.1 123.1





#47

Bromodichloromethane

Concen: 21.061 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

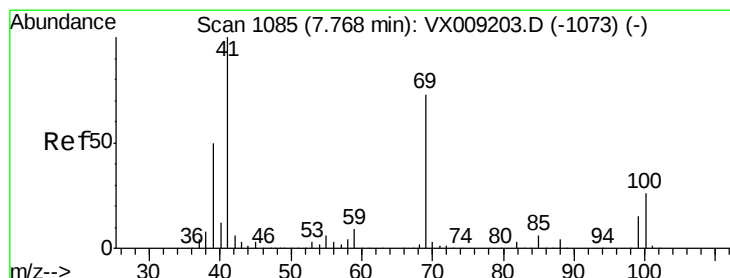
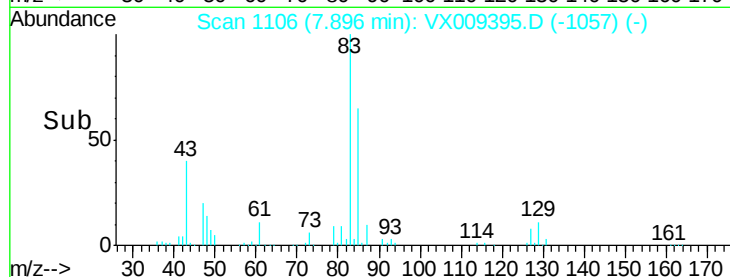
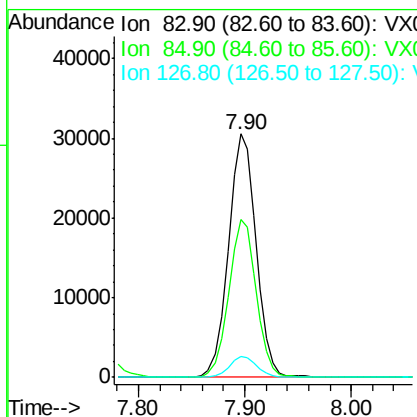
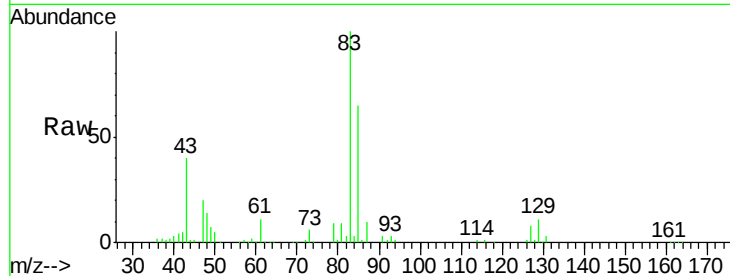
ClientSampled :

VX0508WBS02

Tot Ion:	83	Resp:	55495
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.4	78.6
127	8.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.994 ug/l

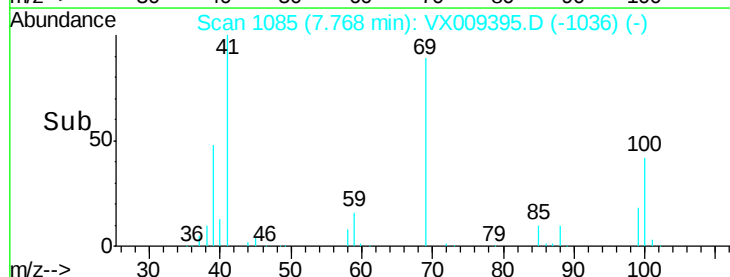
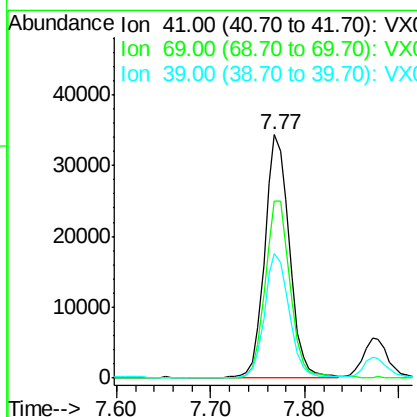
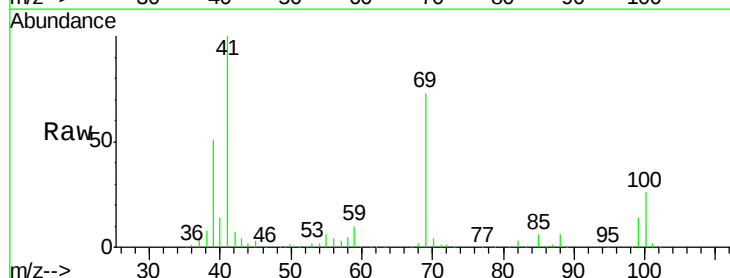
RT: 7.77 min Scan# 1085

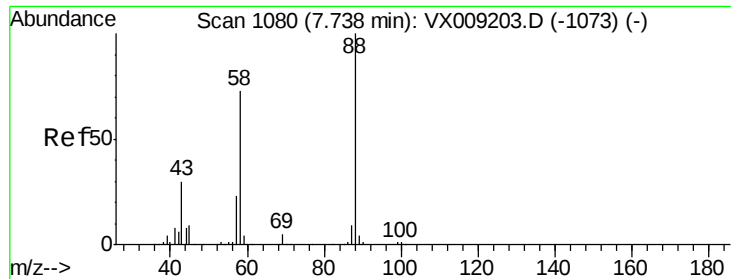
Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion:	41	Resp:	63126
Ion Ratio	Lower	Upper	
41	100		
69	74.5	59.1	88.7
39	51.4	40.4	60.6





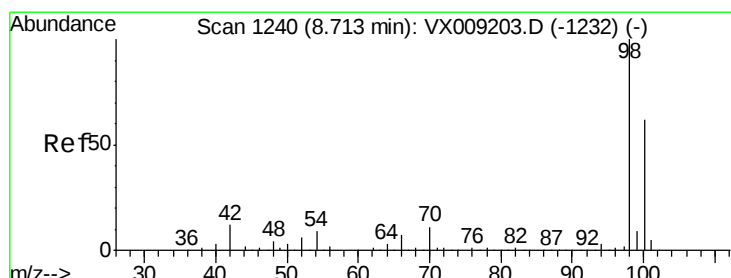
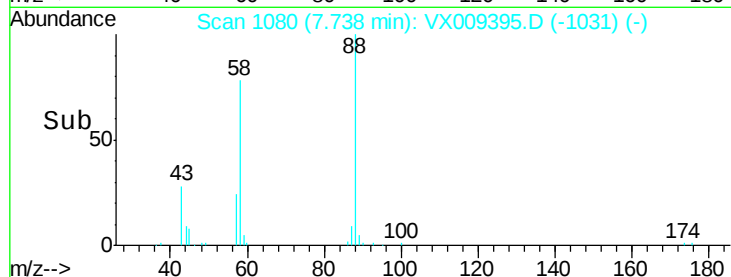
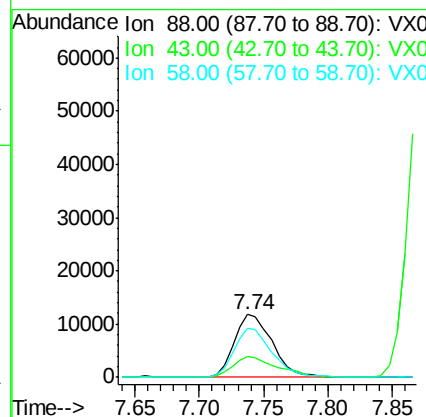
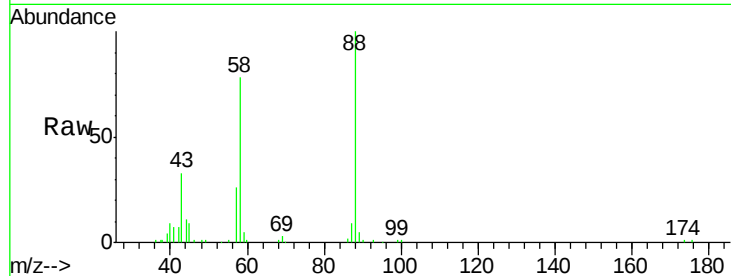
#49
1,4-Dioxane
Concen: 415.524 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.6	42.8
58	79.3	61.7	92.5

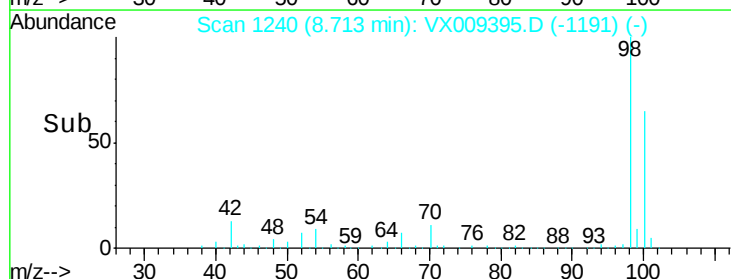
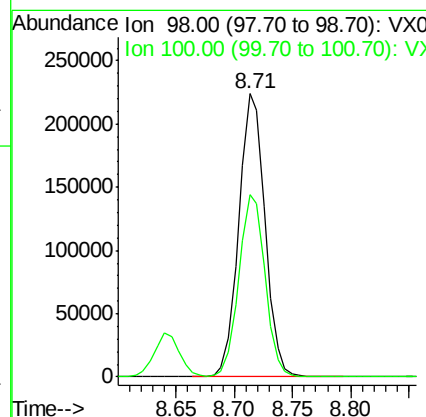
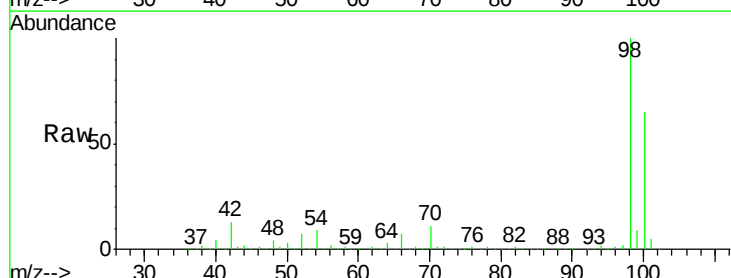
Manual Integrations
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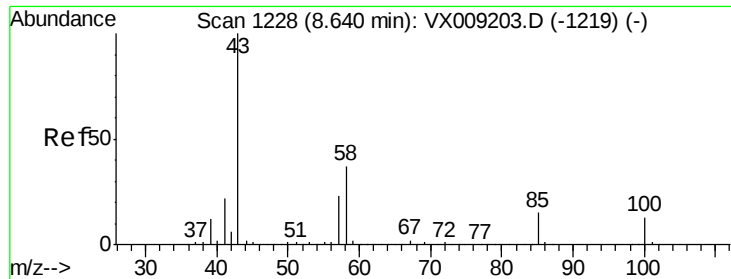
MMDadoda
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#50
Toluene-d8
Concen: 49.602 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 110.466 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 43 Resp: 417704

Ion Ratio Lower Upper

43 100

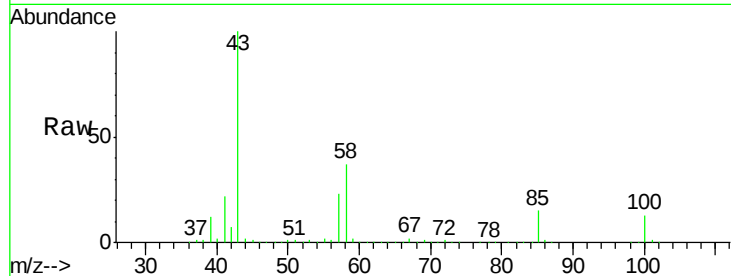
58 37.0 29.5 44.3

Manual Integrations

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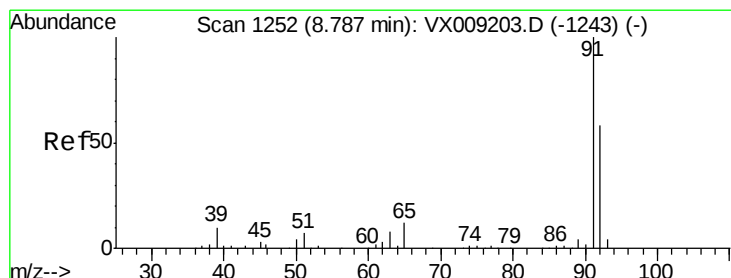
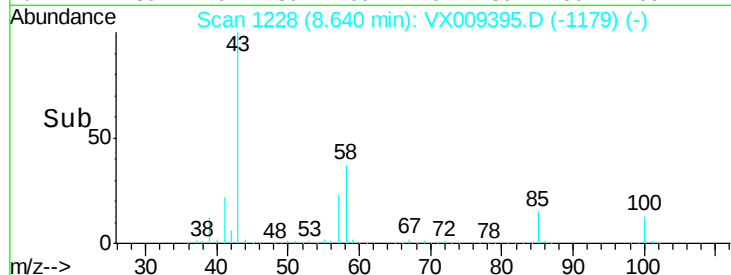
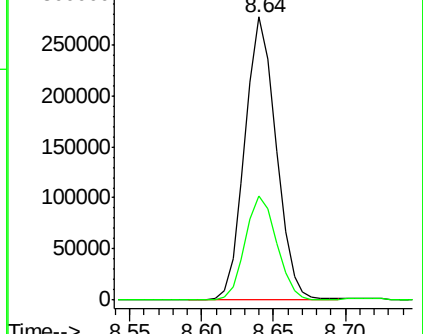
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 22.018 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009395.D

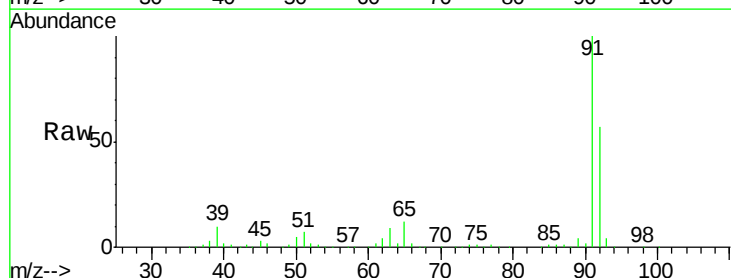
Acq: 08 May 2019 13:59

Tgt Ion: 92 Resp: 107521

Ion Ratio Lower Upper

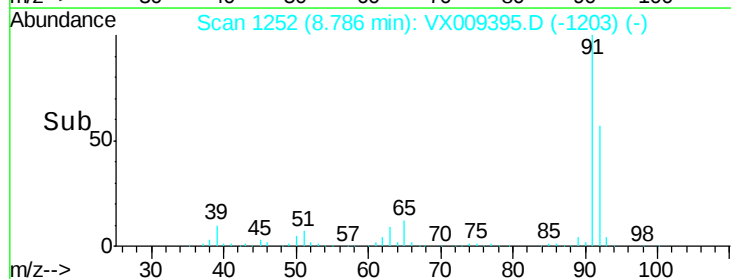
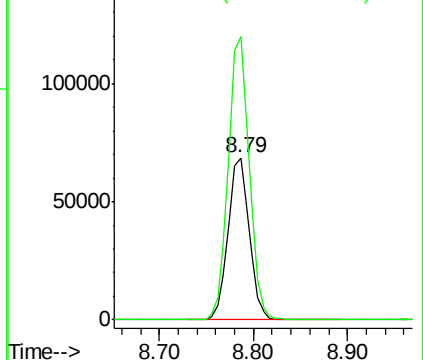
92 100

91 173.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





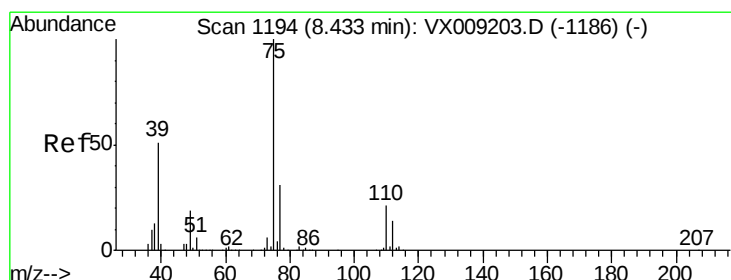
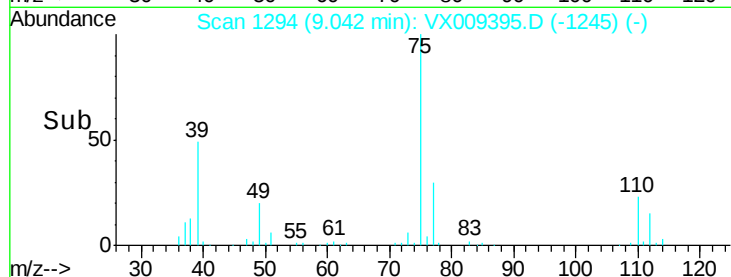
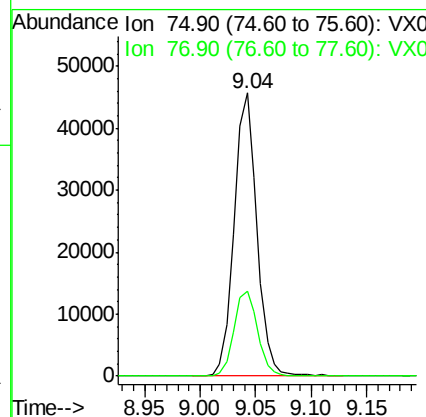
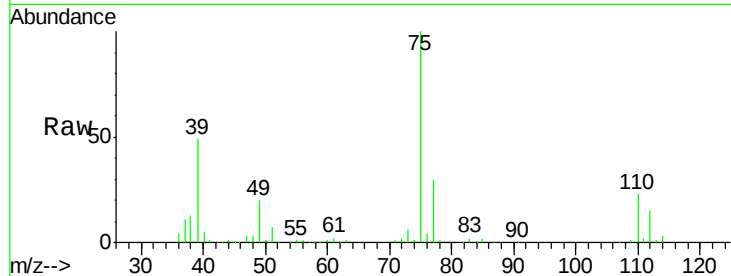
#53
t-1,3-Dichloropropene
Concen: 21.632 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	75	Resp	64354
Ion Ratio	Lower	Upper	
75	100		
77	30.1	25.0	37.6

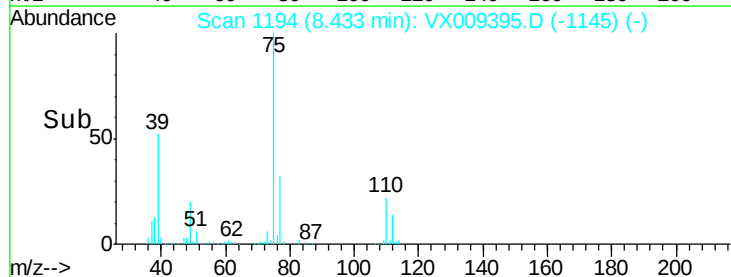
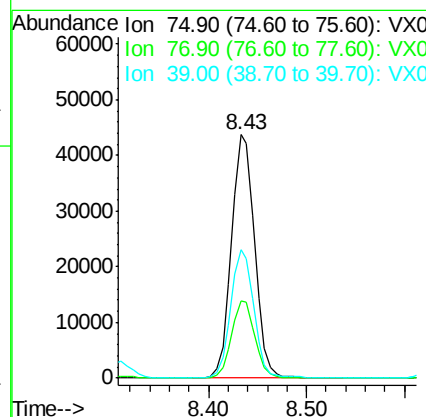
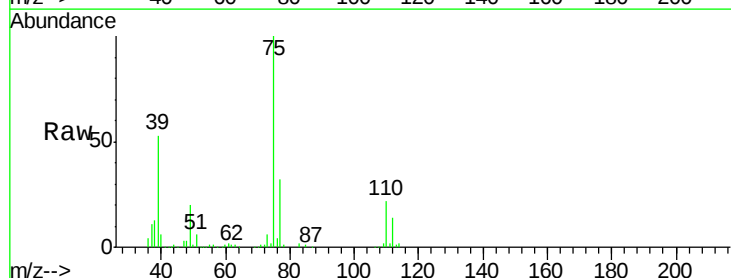
Manual Integrations
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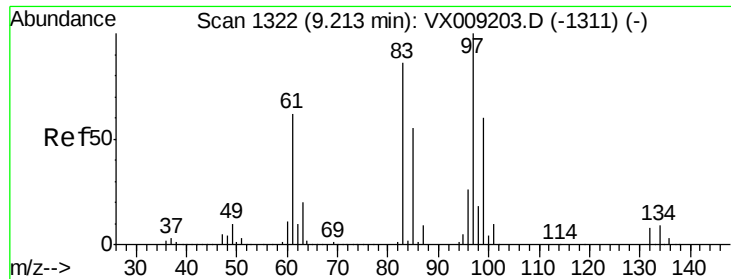
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.828 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	75	Resp	71877
Ion Ratio	Lower	Upper	
75	100		
77	31.8	24.6	36.8
39	52.4	40.6	60.8





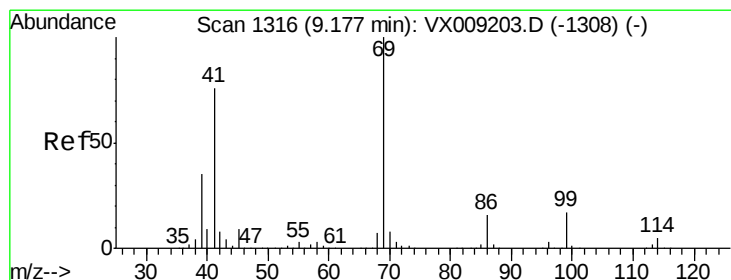
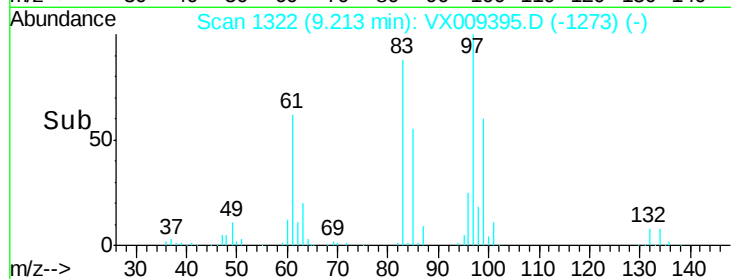
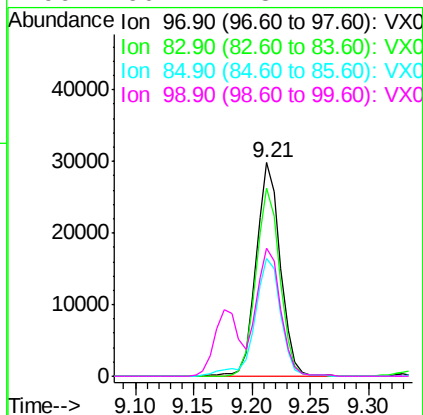
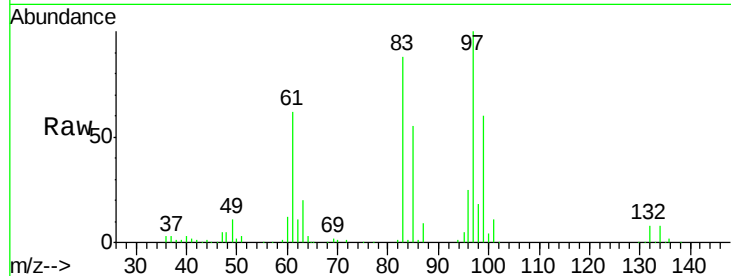
#55
 1,1,2-Trichloroethane
 Concen: 21.746 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion:	97	Resp:	43325
Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.9	103.3
85	55.4	43.8	65.6
99	60.1	48.2	72.2

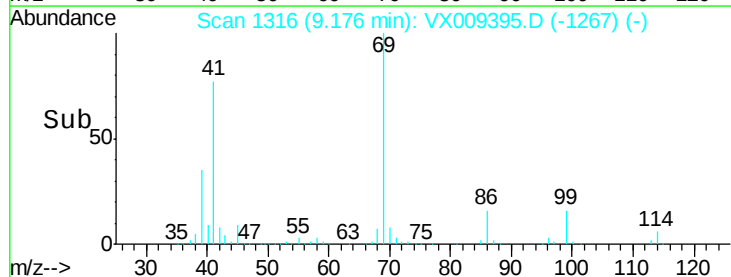
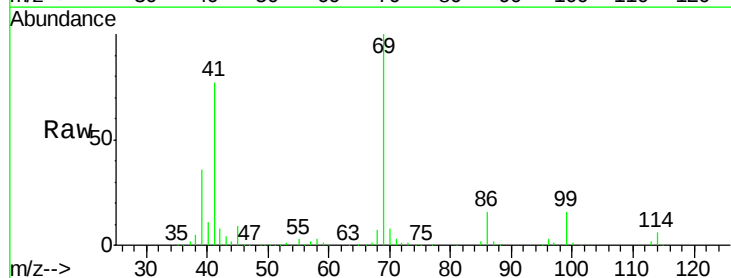
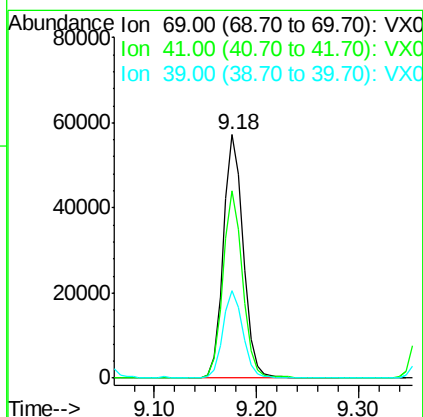
Manual Integrations
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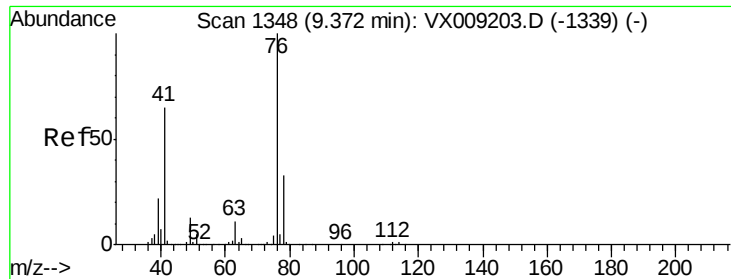
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#56
 Ethyl methacrylate
 Concen: 21.875 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion:	69	Resp:	77795
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.6	90.8
39	35.8	28.2	42.4





#57

1,3-Dichloropropane

Concen: 21.653 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 76 Resp: 75914

Ion Ratio Lower Upper

76 100

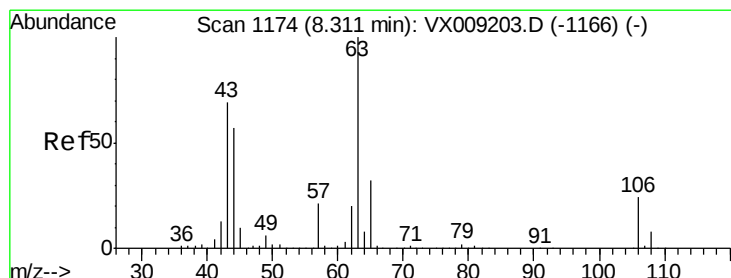
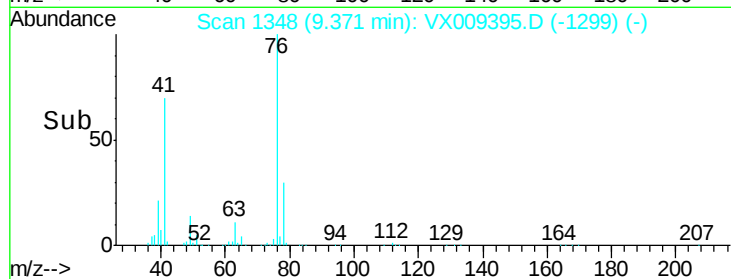
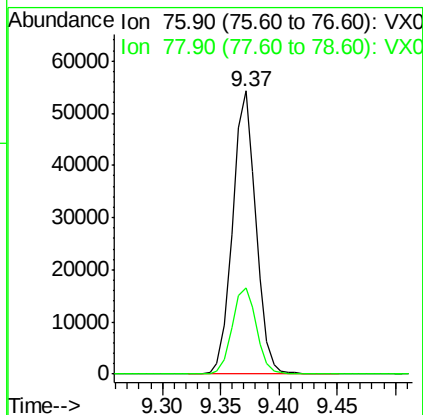
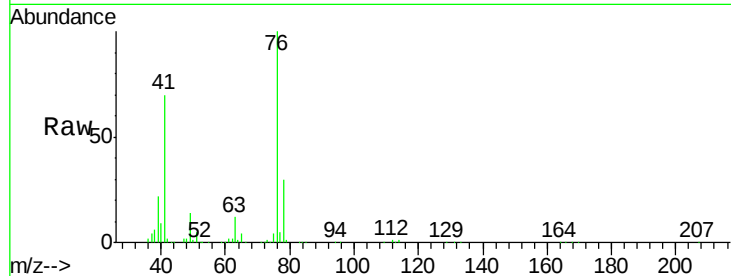
78 32.0 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 117.423 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009395.D

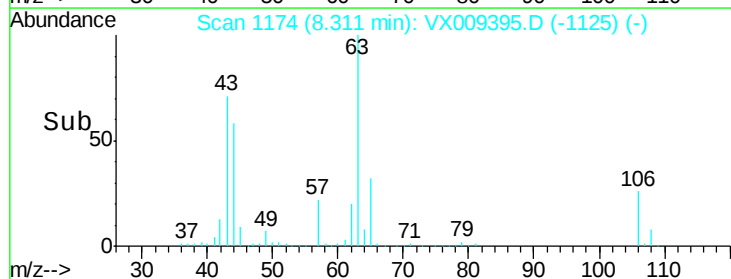
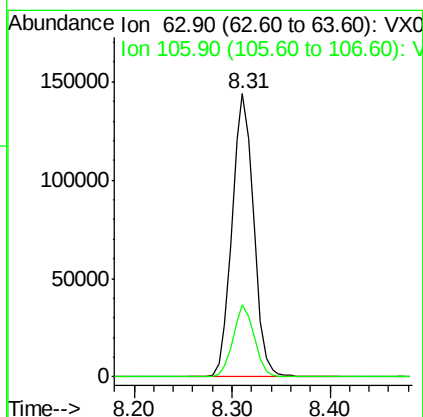
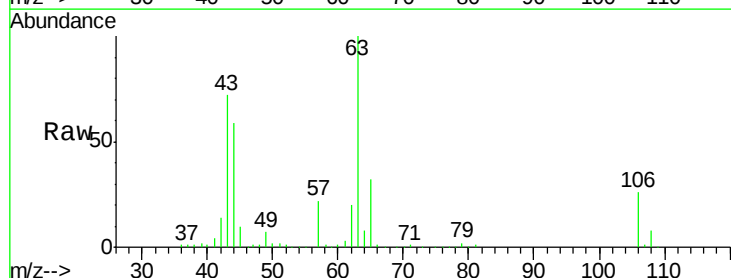
Acq: 08 May 2019 13:59

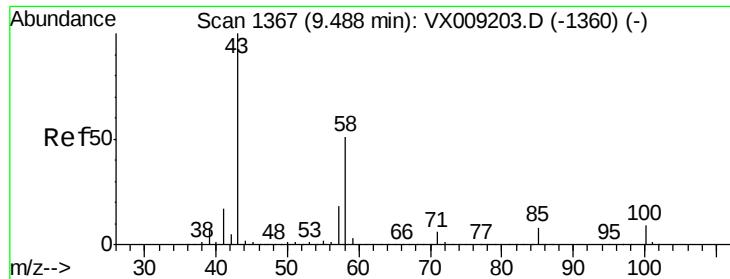
Tgt Ion: 63 Resp: 221533

Ion Ratio Lower Upper

63 100

106 25.0 19.7 29.5





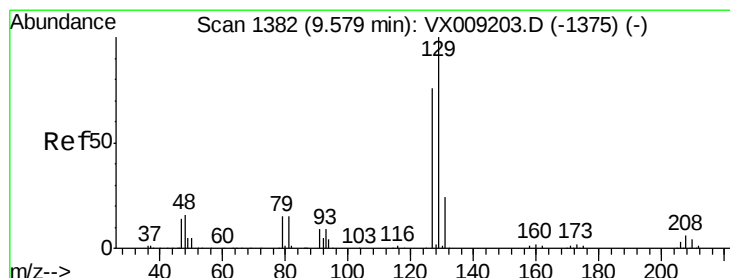
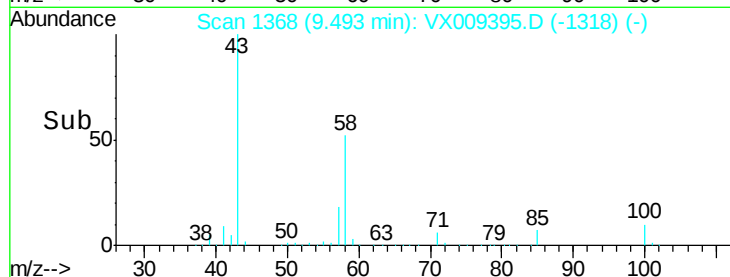
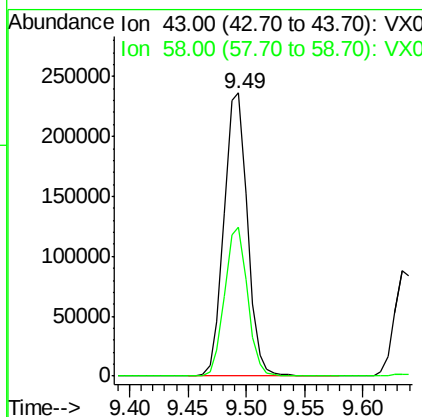
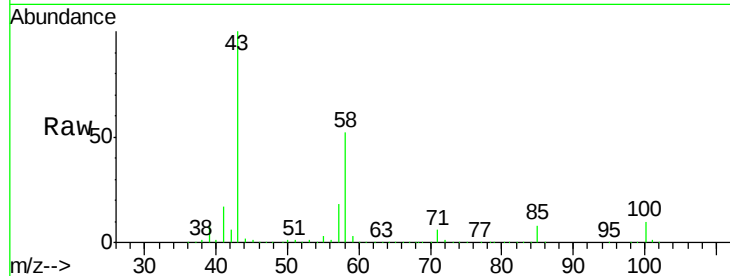
#59
2-Hexanone
Concen: 111.134 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampled :
VX0508WBS02

Tot Ion: 43 Resp: 330043
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

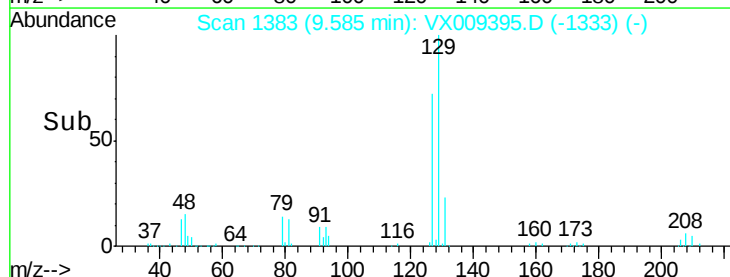
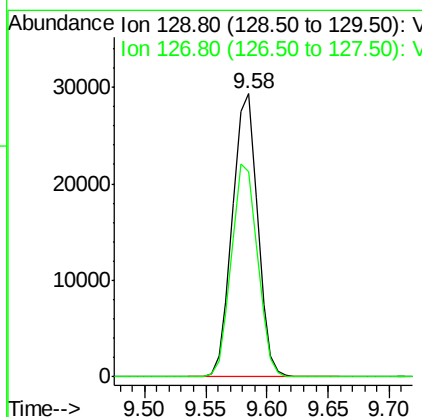
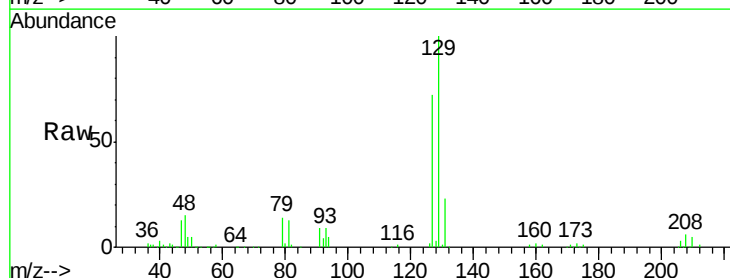
Manual Integrations
APPROVED

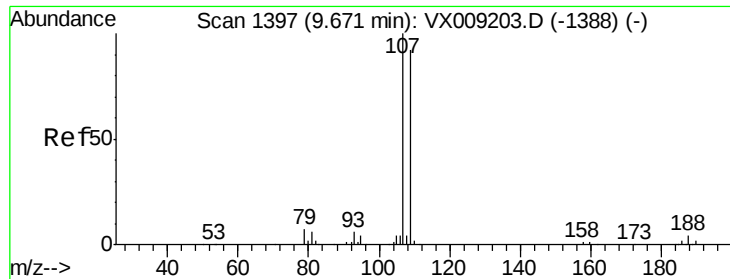
MMDadoda
5/9/2019 9:49:25 AM



#60
Dibromochloromethane
Concen: 21.494 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion:129 Resp: 41823
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.866 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 107 Resp: 43974

Ion Ratio Lower Upper

107 100

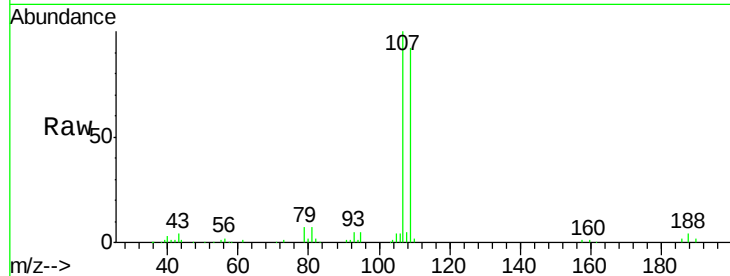
109 94.9 75.2 112.8

Manual Integrations

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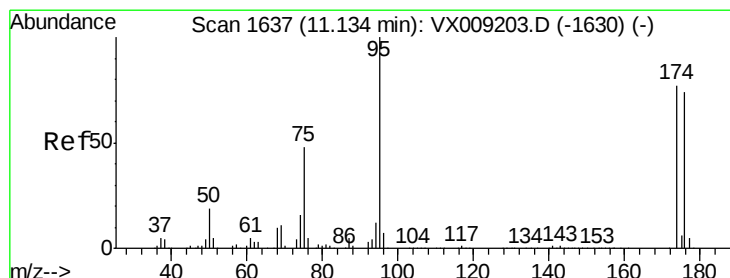
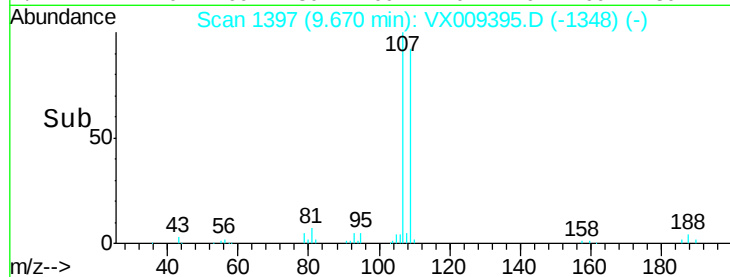
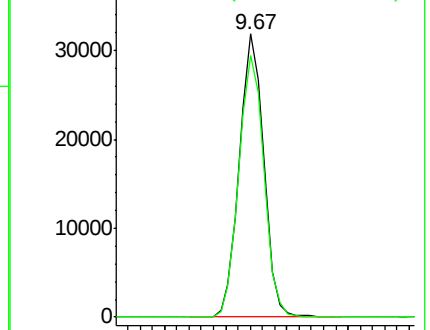
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.224 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

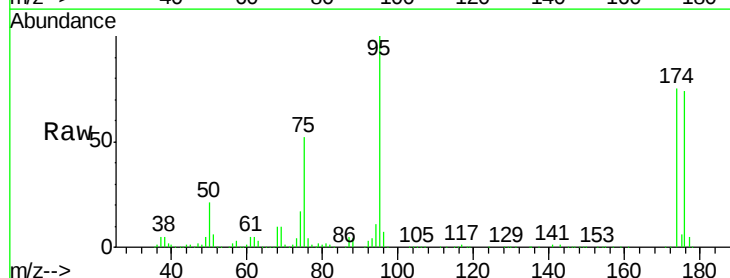
Tgt Ion: 95 Resp: 126798

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

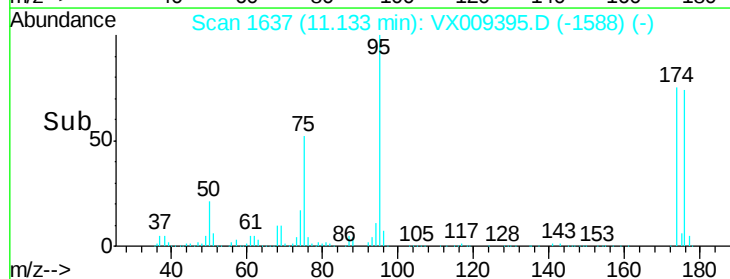
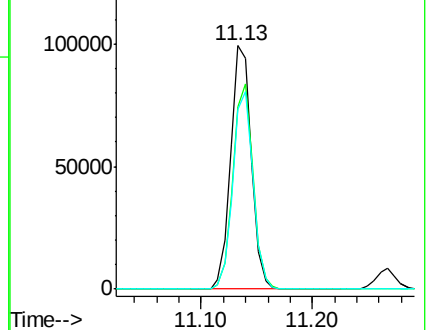
176 79.9 0.0 159.2

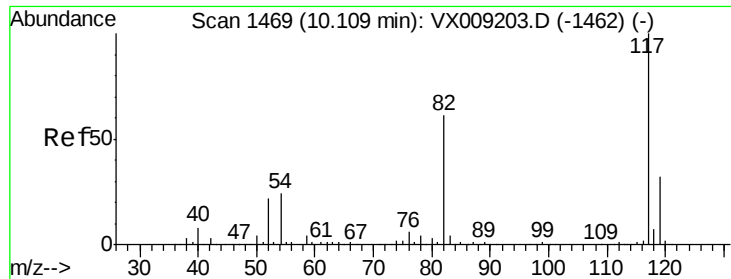


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





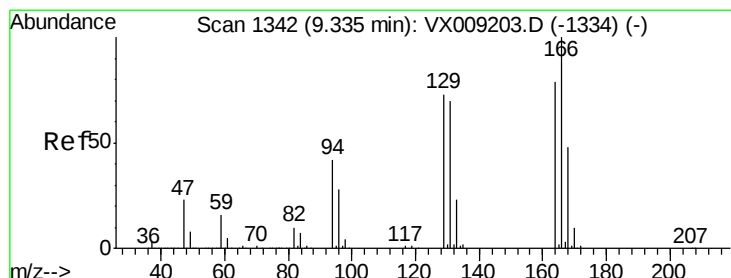
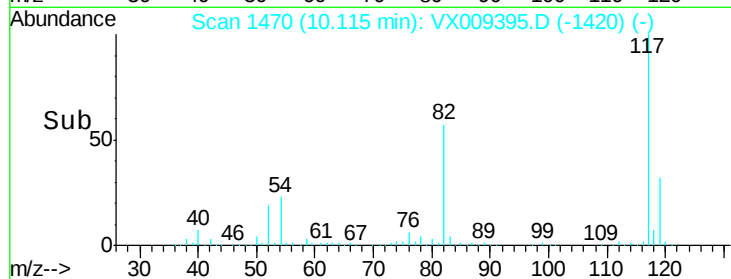
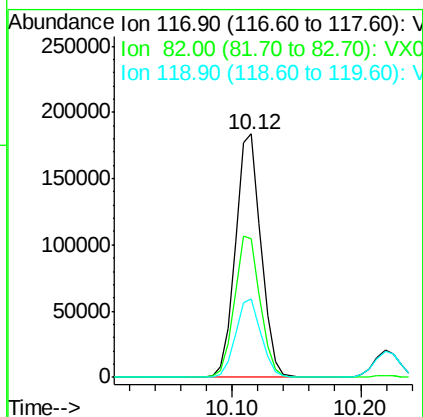
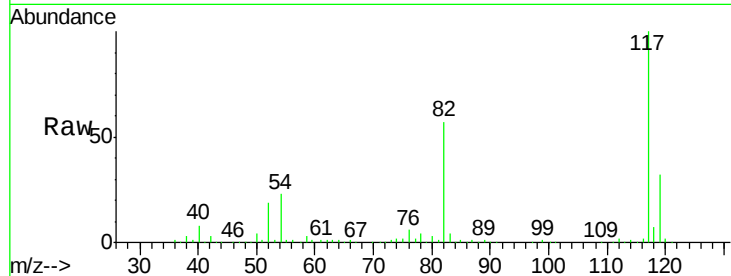
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252135		
82	57.0	48.8	73.2	
119	32.4	25.8	38.6	

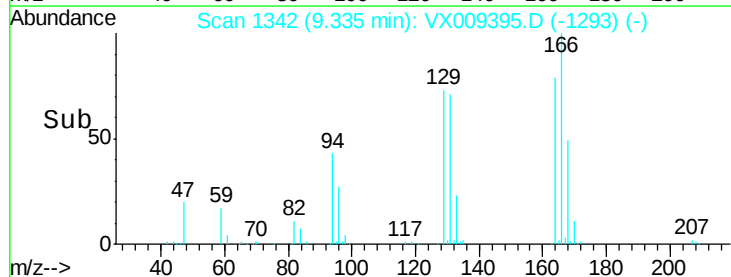
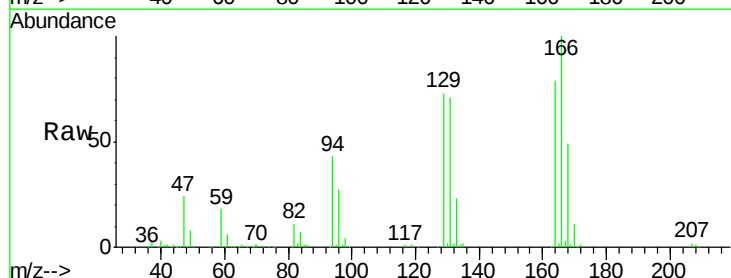
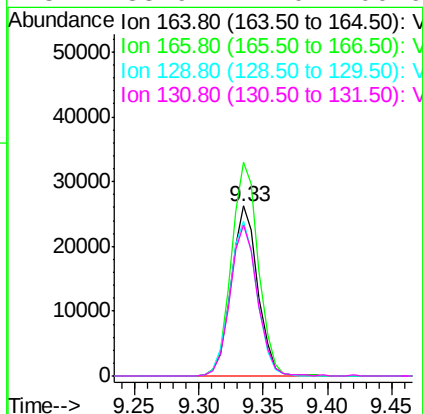
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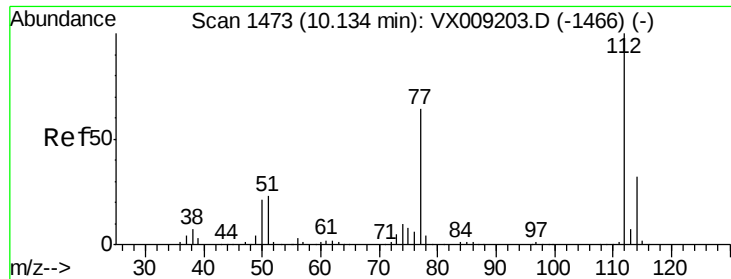
MMDadoda
5/9/2019 9:49:25 AM



#64
Tetrachloroethene
Concen: 21.903 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37882		
166	125.9	101.2	151.8	
129	91.4	74.3	111.5	
131	88.9	71.0	106.6	





#65

Chlorobenzene

Concen: 21.960 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion:112 Resp: 110762

Ion Ratio Lower Upper

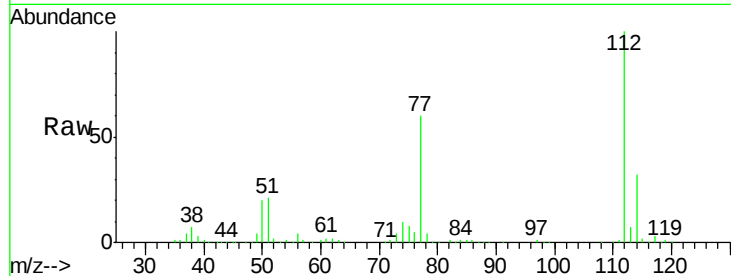
112 100

114 32.0 25.5 38.3

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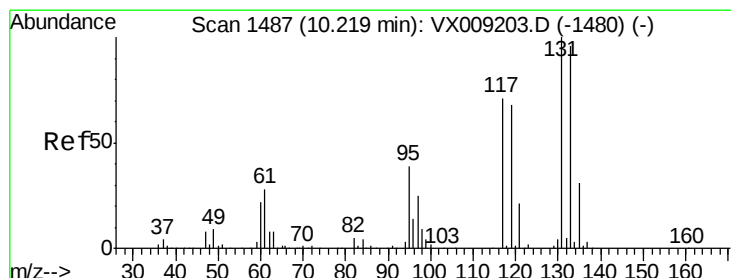
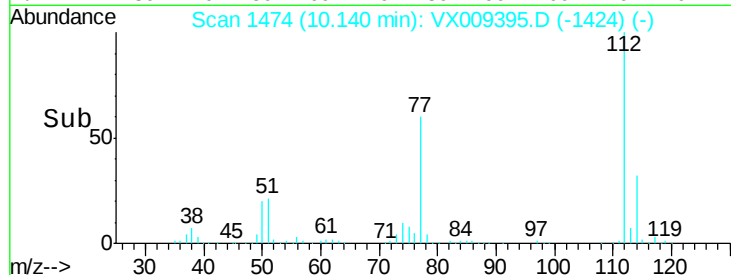
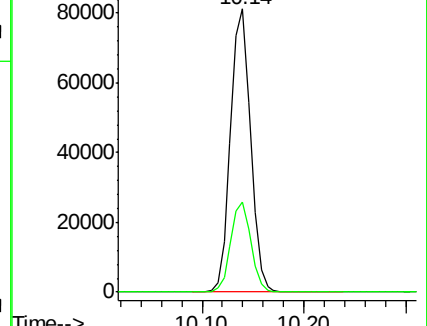
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.551 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

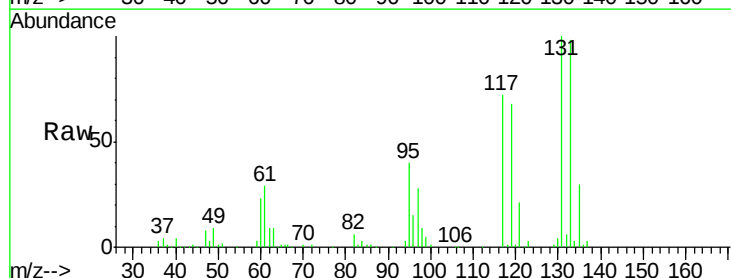
Tgt Ion:131 Resp: 39408

Ion Ratio Lower Upper

131 100

133 97.2 47.7 143.1

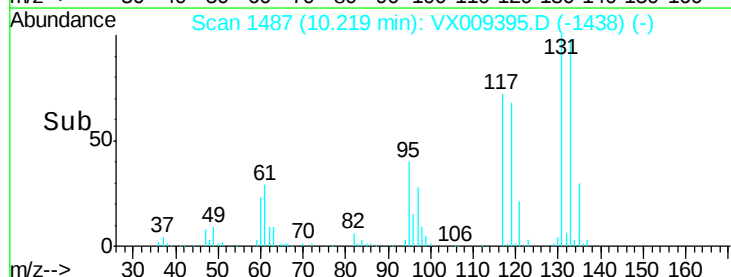
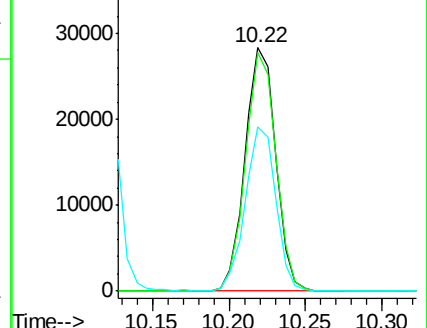
119 67.8 33.5 100.4

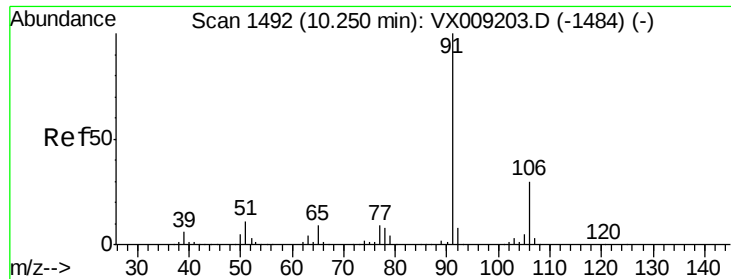


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.012 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS02

Tot Ion: 91 Resp: 204328

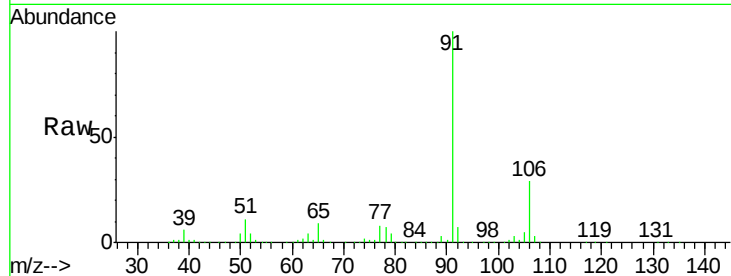
Ion Ratio Lower Upper

91 100

106 29.2 24.0 36.0

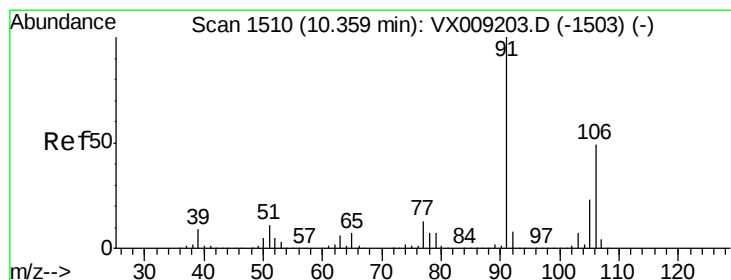
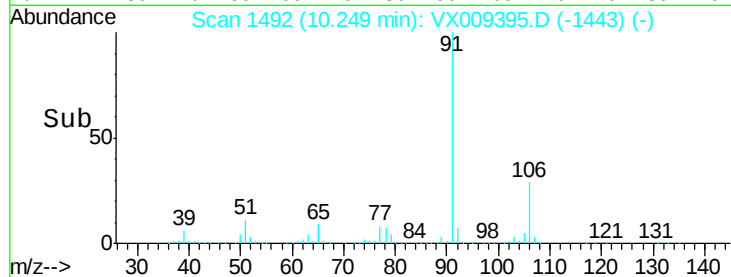
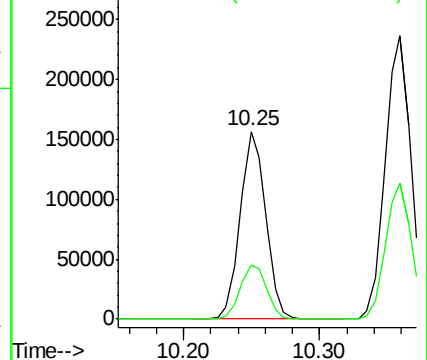
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.365 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009395.D

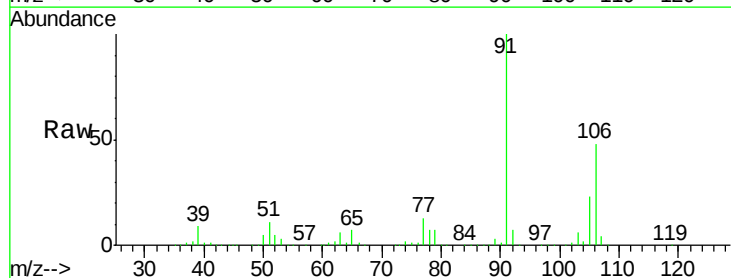
Acq: 08 May 2019 13:59

Tgt Ion: 106 Resp: 150491

Ion Ratio Lower Upper

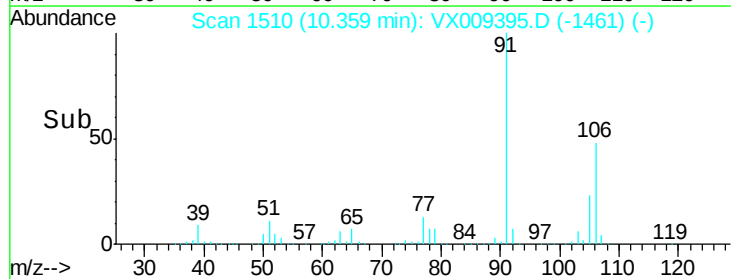
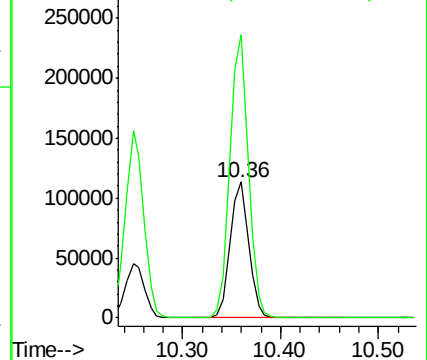
106 100

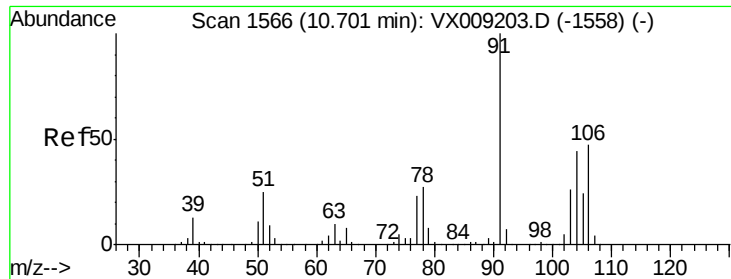
91 206.5 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





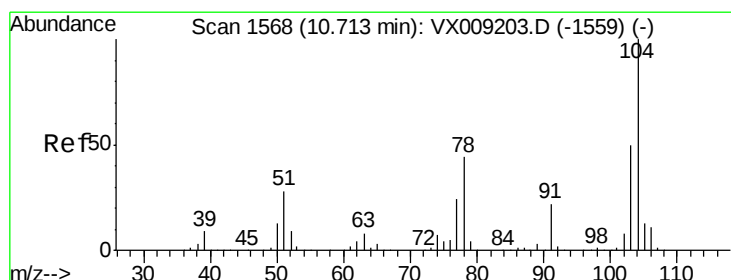
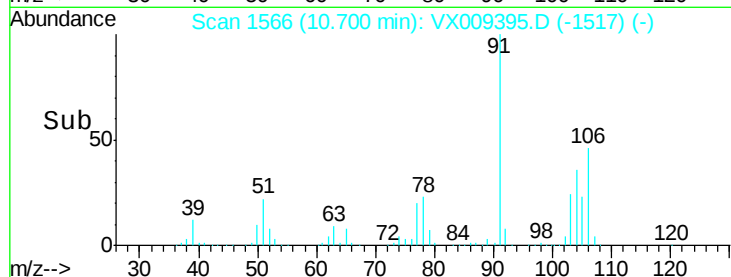
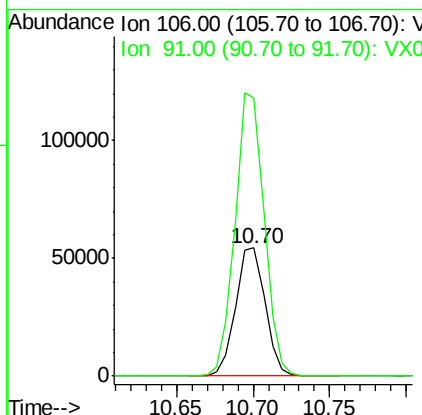
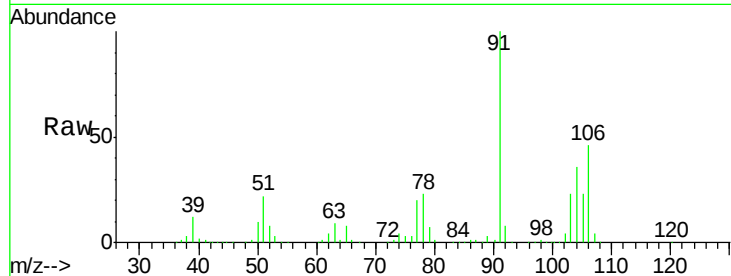
#69
o-Xylene
Concen: 21.868 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampled :
VX0508WBS02

Tot Ion:106 Resp: 73189
Ion Ratio Lower Upper
106 100
91 218.5 109.5 328.4

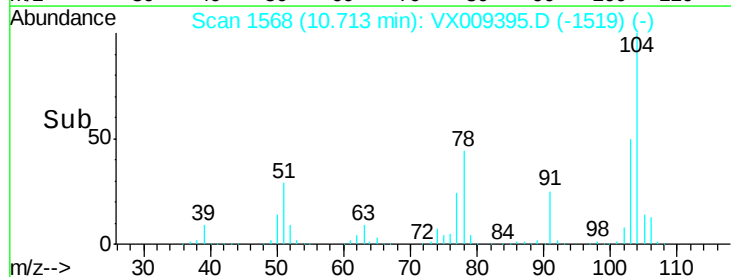
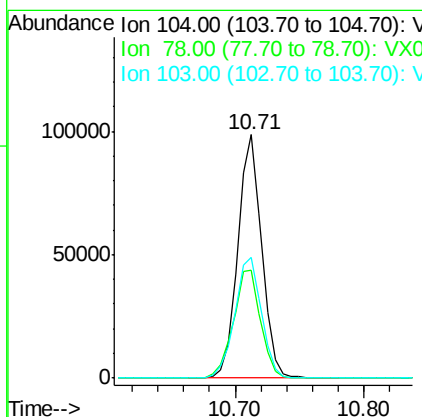
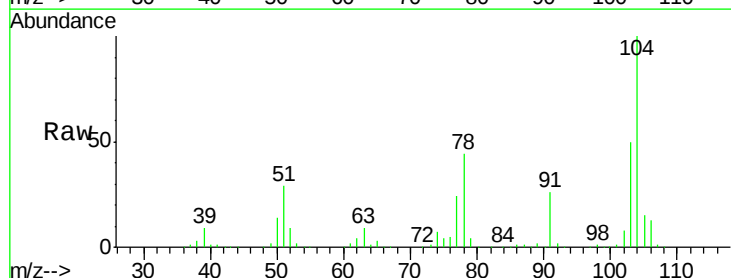
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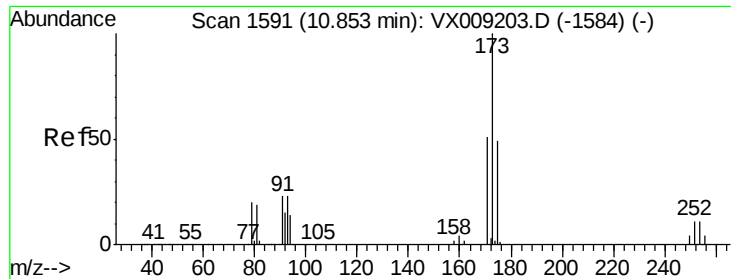
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#70
Styrene
Concen: 21.770 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion:104 Resp: 126640
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 55.8 43.8 65.6





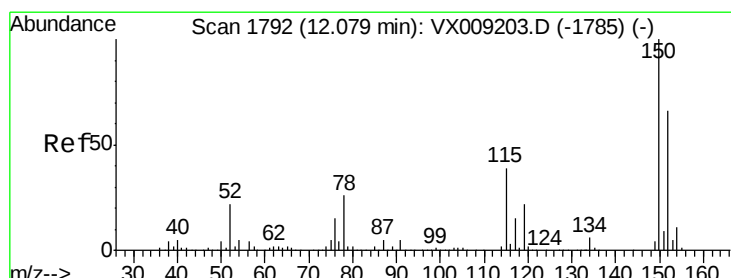
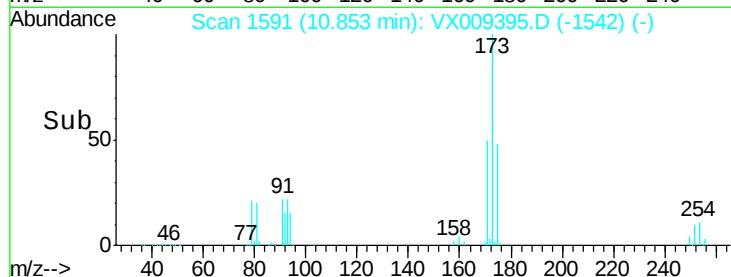
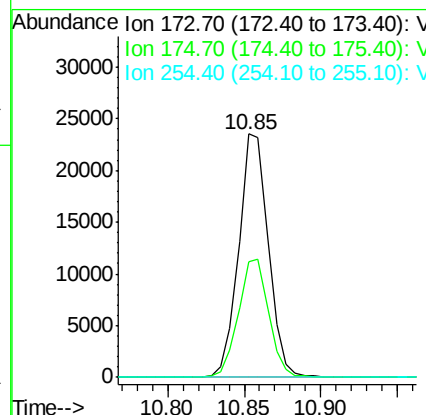
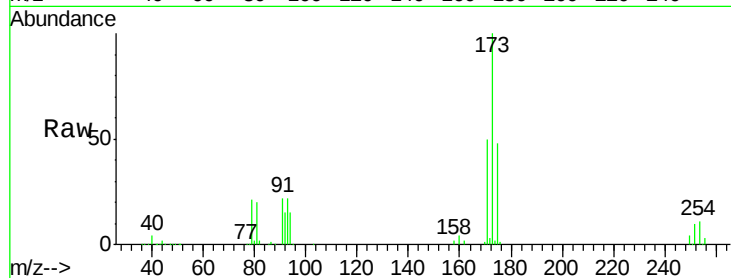
#71
Bromoform
Concen: 21.278 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.5	73.5
254	0.1	0.1	0.1

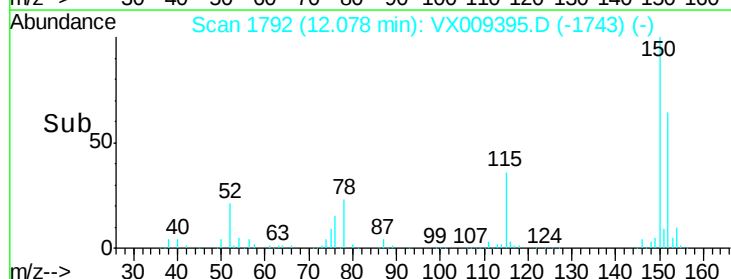
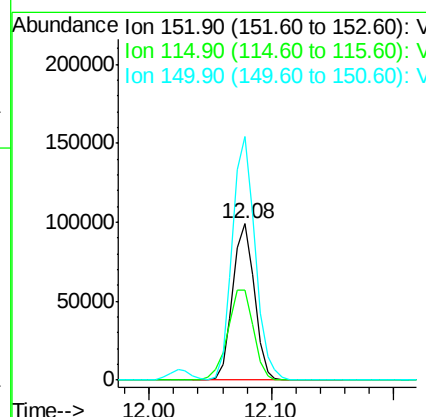
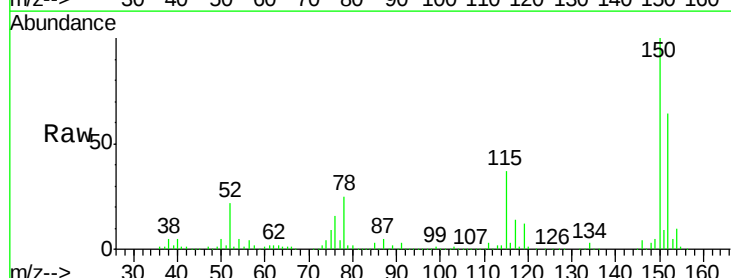
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.9	41.2	123.6
150	164.5	0.0	346.4





#73

Isopropylbenzene

Concen: 22.177 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 105 Resp: 195235

Ion Ratio Lower Upper

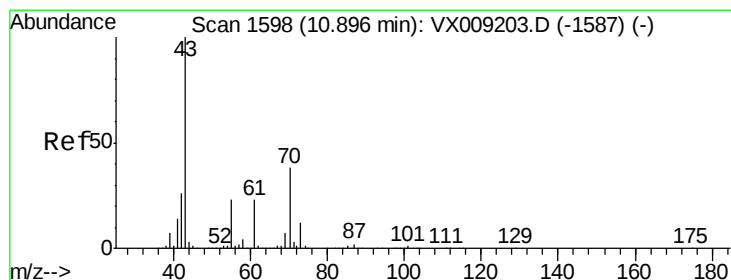
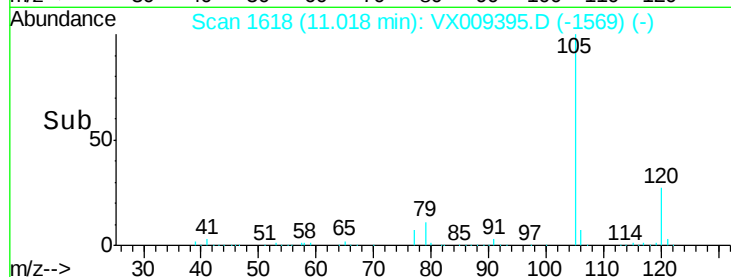
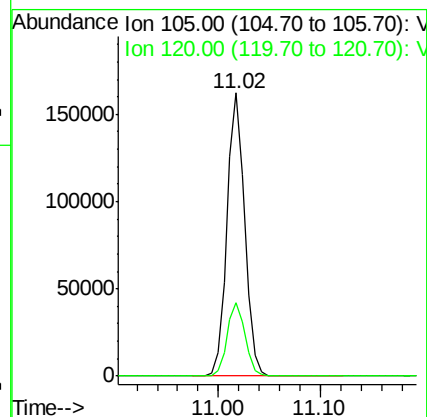
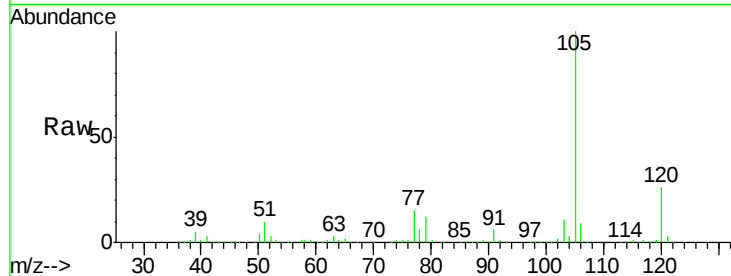
105 100

120 26.3 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.983 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Tgt Ion: 43 Resp: 112826

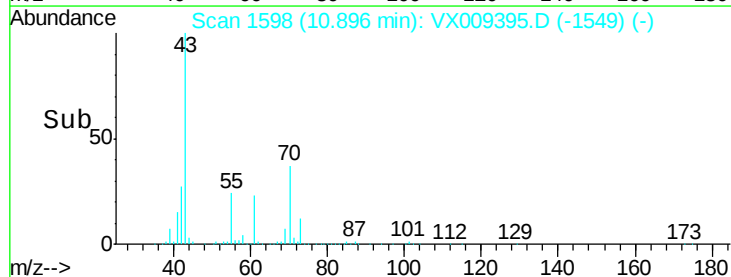
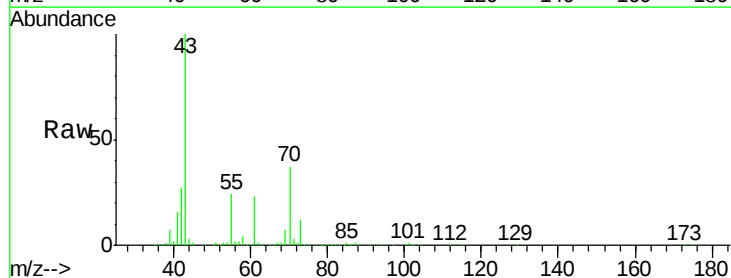
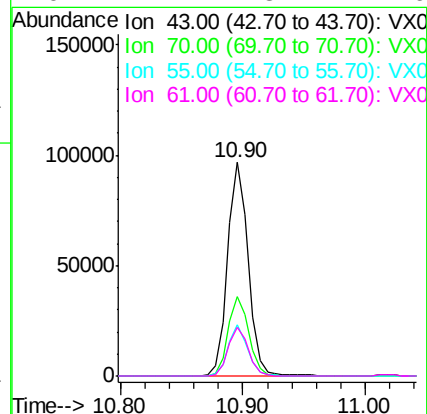
Ion Ratio Lower Upper

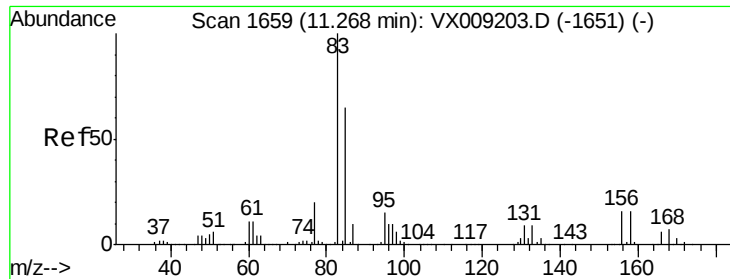
43 100

70 37.5 30.0 45.0

55 23.1 17.9 26.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.904 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

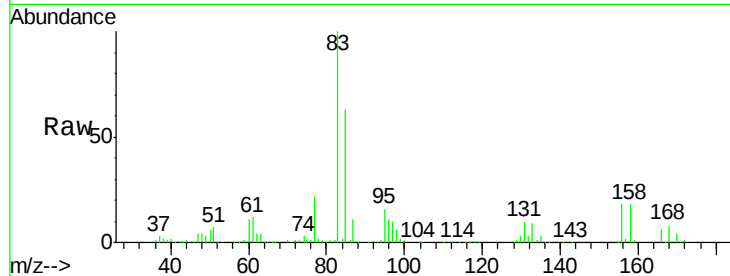
ClientSampleId :

VX0508WBS02

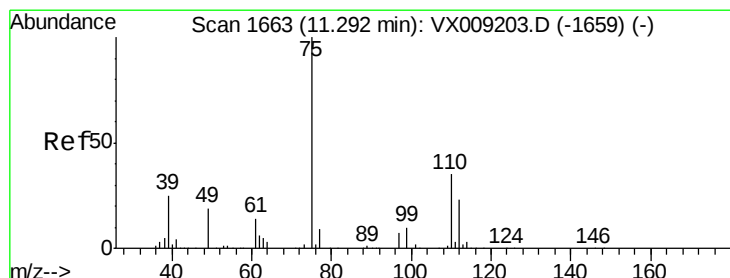
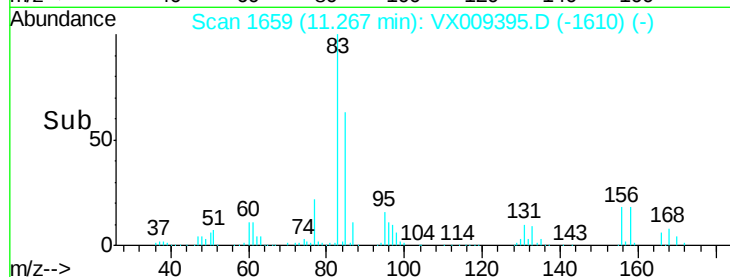
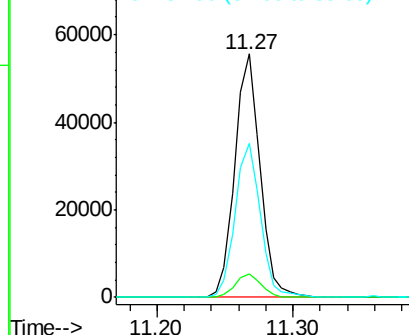
Tot Ion:	83	Resp:	71884
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	63.3	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.688 ug/l m

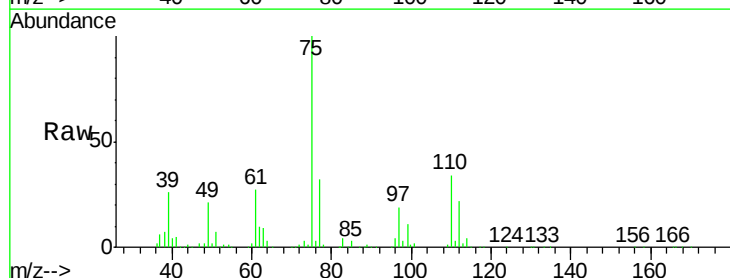
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

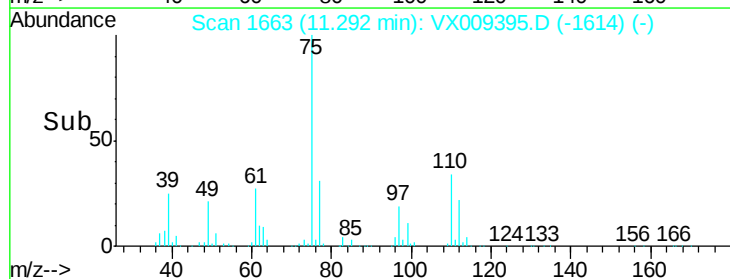
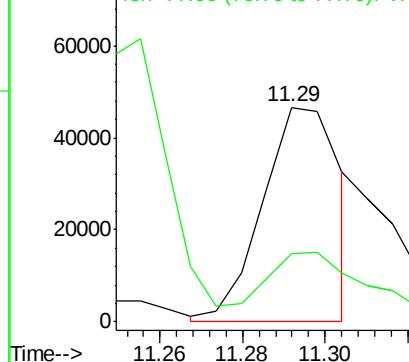
Lab File: VX009395.D

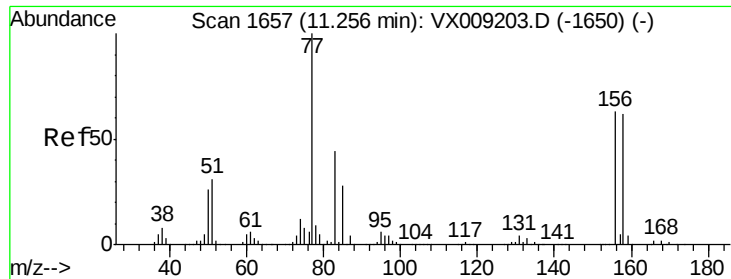
Acq: 08 May 2019 13:59

Tgt Ion:	75	Resp:	60903
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.680 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS02

Tot Ion:156 Resp: 47372

Ion Ratio Lower Upper

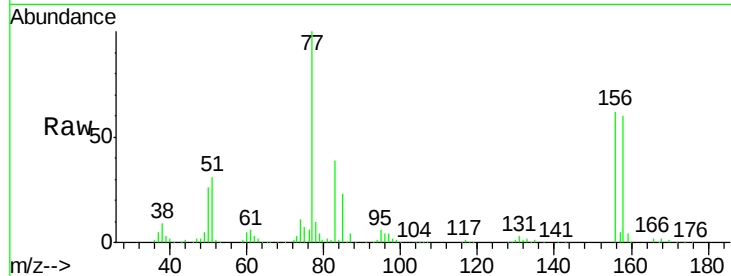
156 100

77 169.0 84.8 254.3

158 98.7 49.1 147.3

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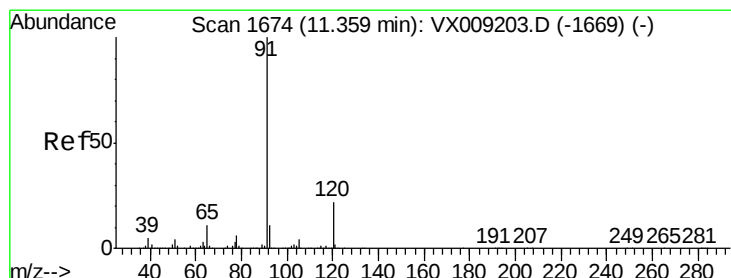
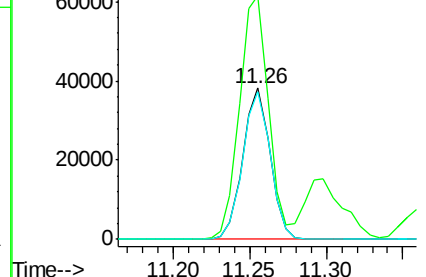
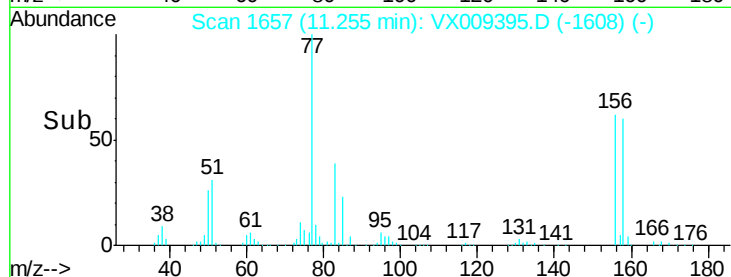
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.080 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009395.D

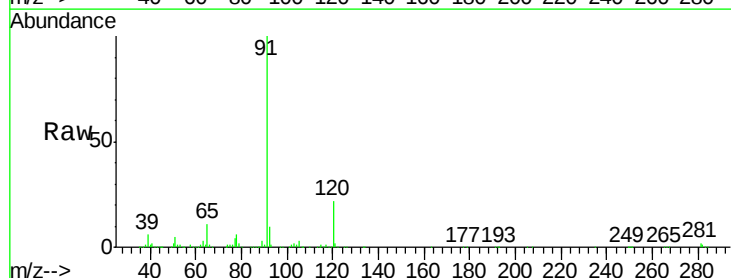
Acq: 08 May 2019 13:59

Tgt Ion: 91 Resp: 221986

Ion Ratio Lower Upper

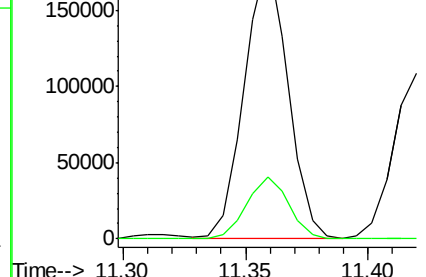
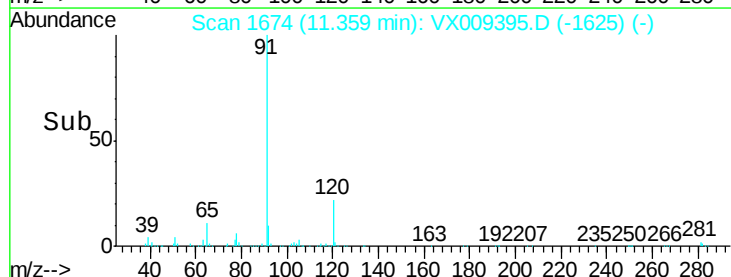
91 100

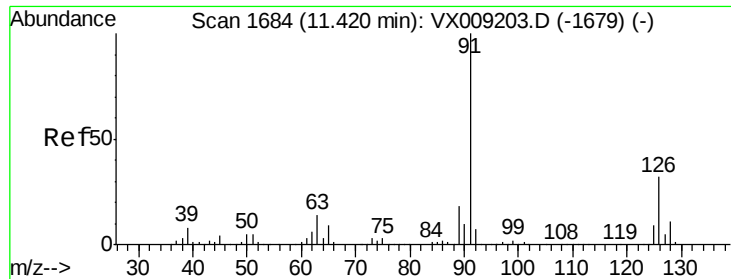
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.489 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS02

Tot Ion: 91 Resp: 133289

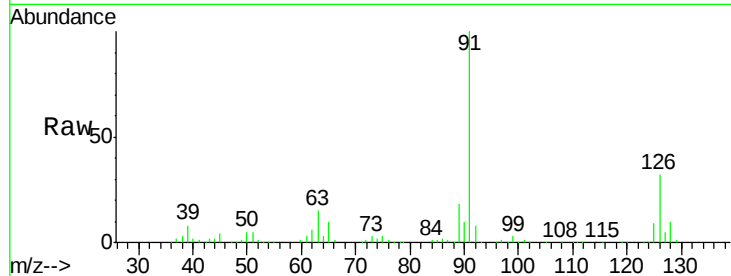
Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.9

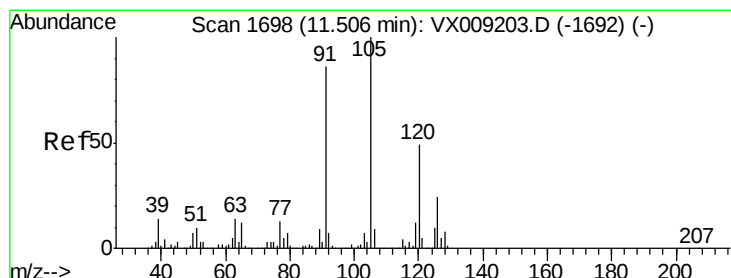
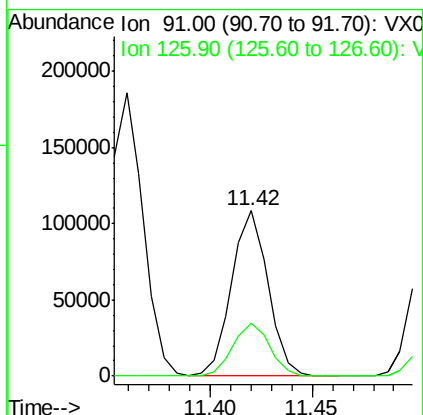
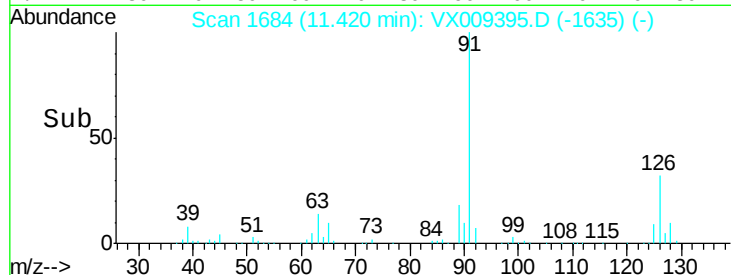
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Abundance Ion 91.00 (90.70 to 91.70): VX009395.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009395.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.288 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009395.D

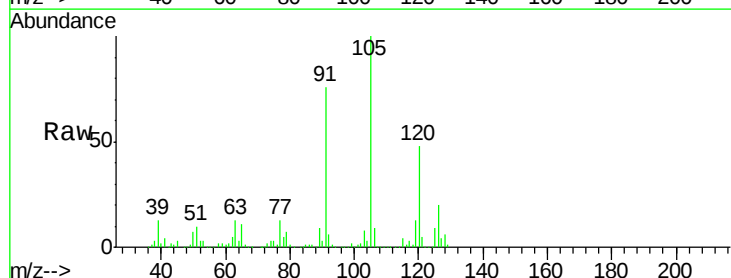
Acq: 08 May 2019 13:59

Tgt Ion: 105 Resp: 165209

Ion Ratio Lower Upper

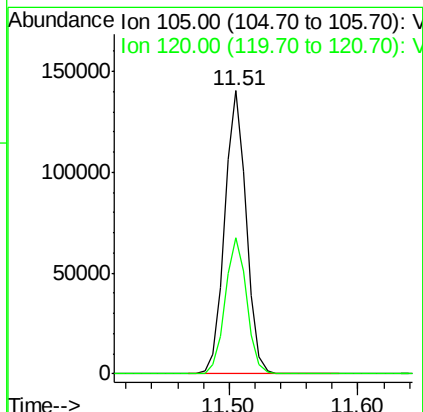
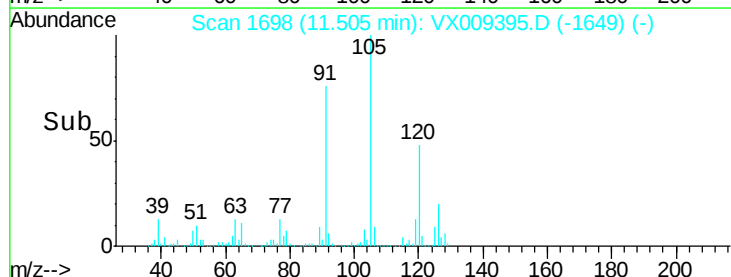
105 100

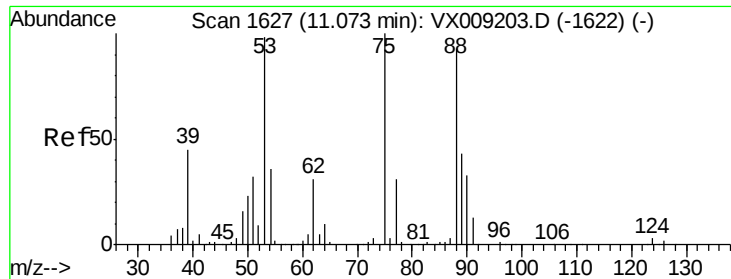
120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009395.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009395.D (-1649) (-)





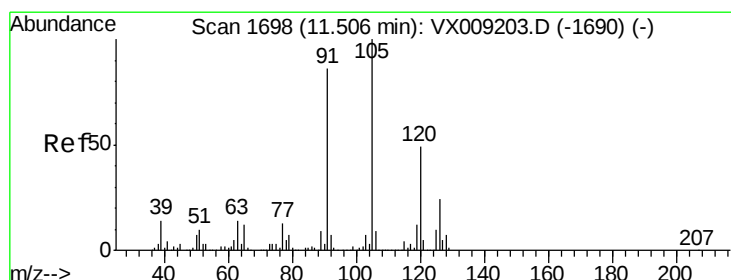
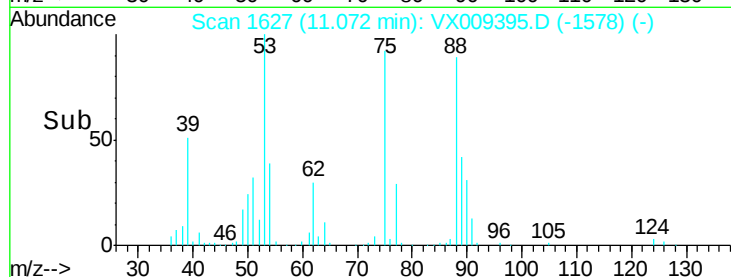
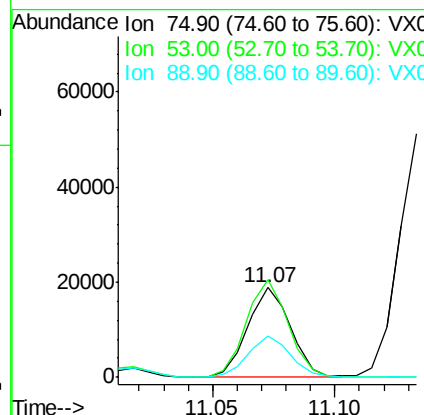
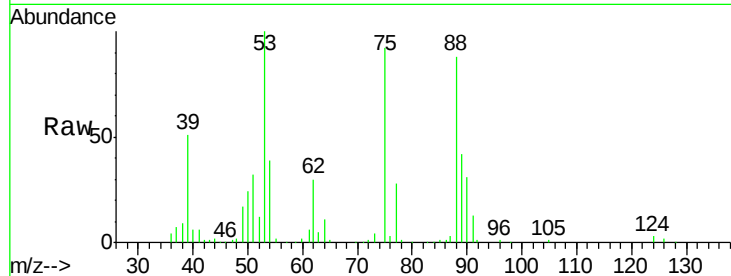
#81
trans-1,4-Dichloro-2-butene
Concen: 20.786 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	79.0	118.6
89	45.6	34.7	52.1

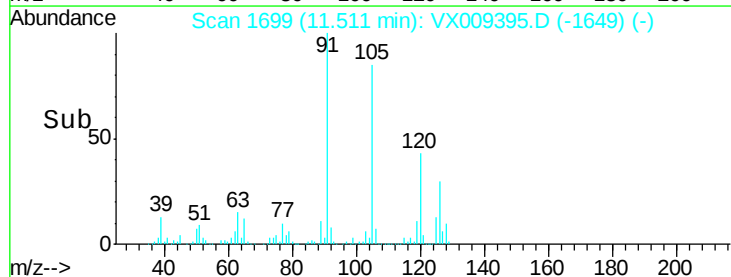
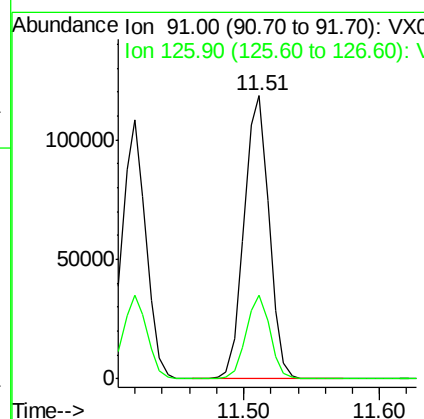
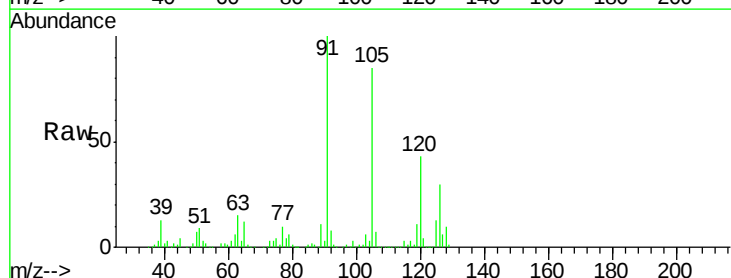
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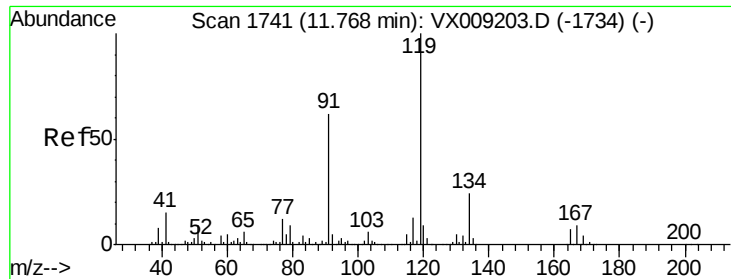
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.617 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





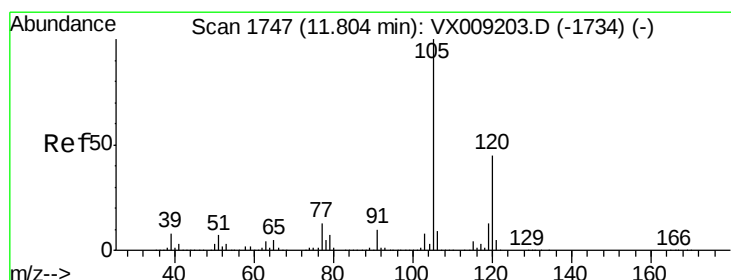
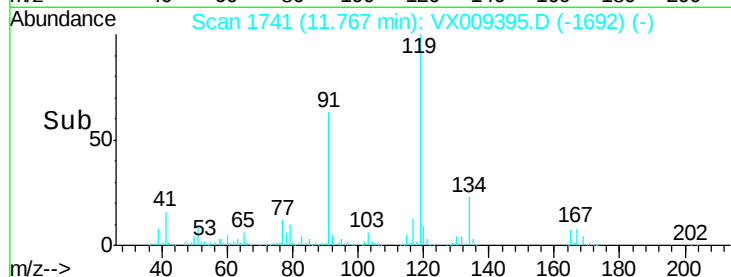
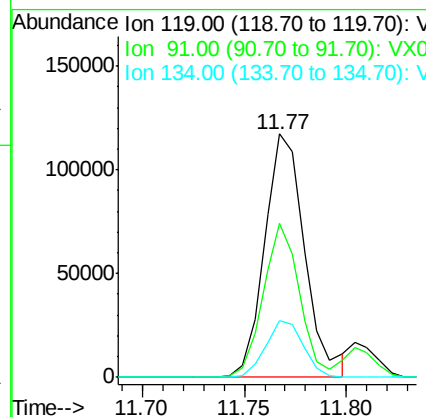
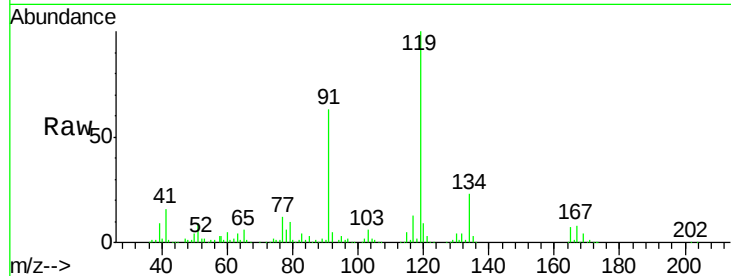
#83
 tert-Butylbenzene
 Concen: 22.343 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161111		
91	56.7	29.5	88.5	
134	22.0	11.4	34.1	

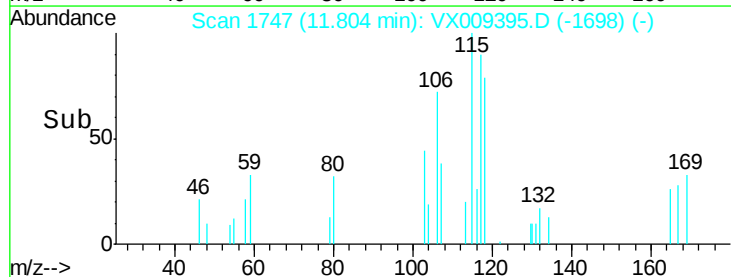
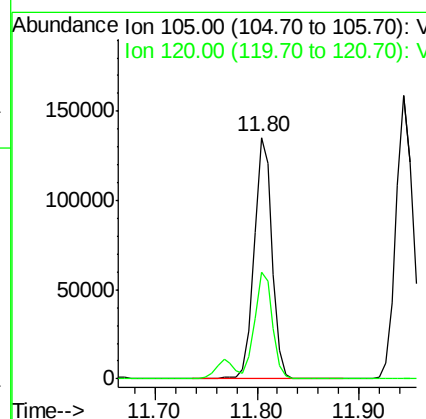
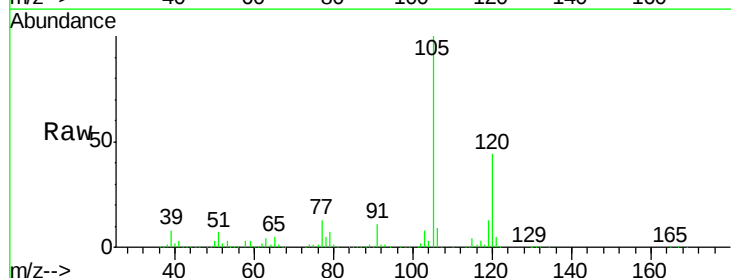
Manual Integrations
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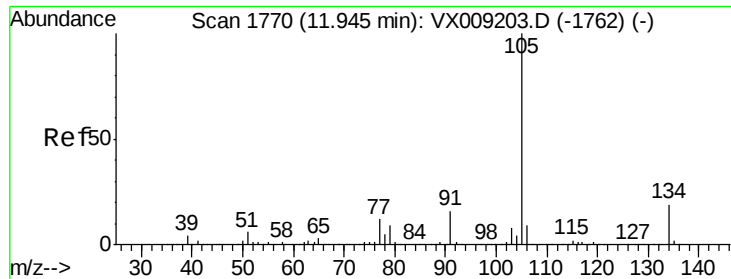
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.214 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165279		
120	44.0	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.938 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS02

Tot Ion:105 Resp: 187544

Ion Ratio Lower Upper

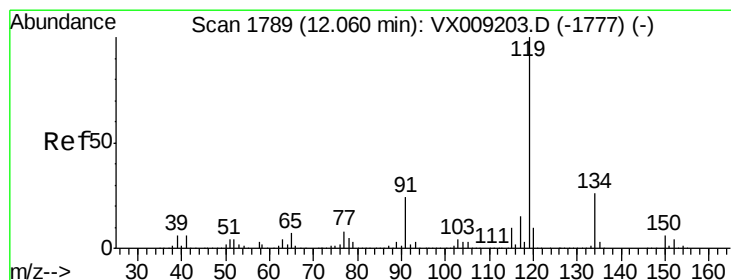
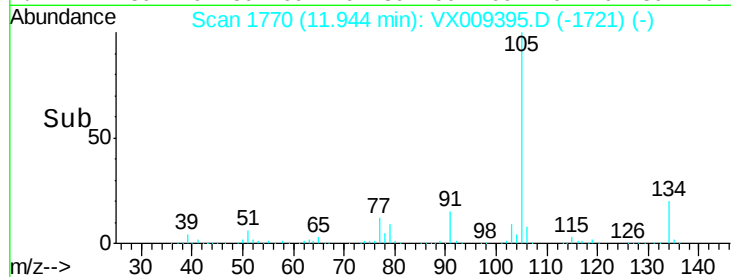
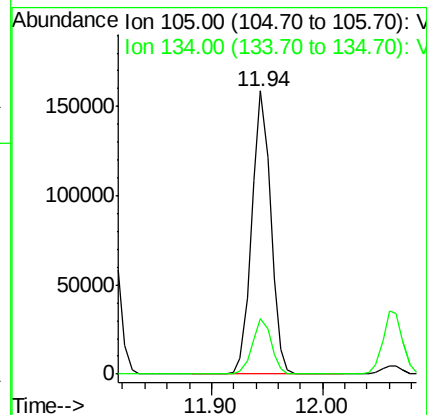
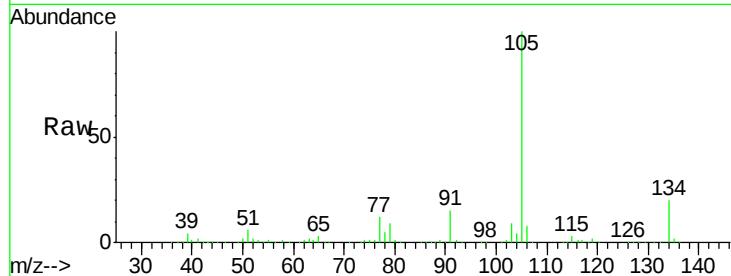
105 100

134 19.6 9.7 28.9

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 22.160 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009395.D

Acq: 08 May 2019 13:59

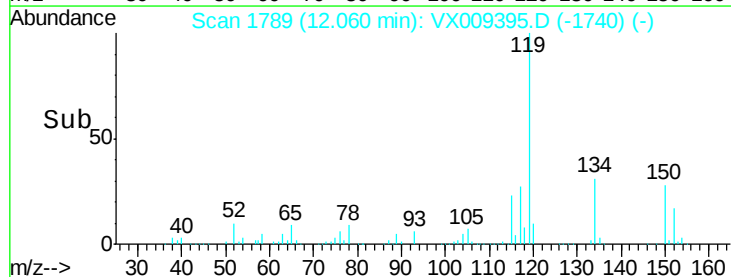
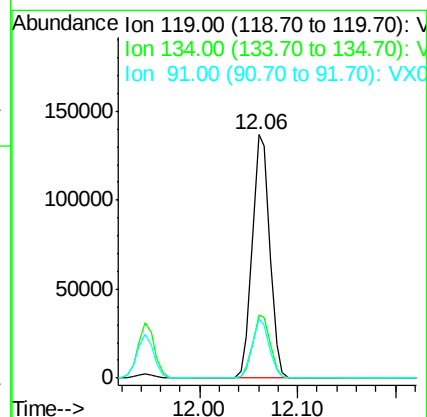
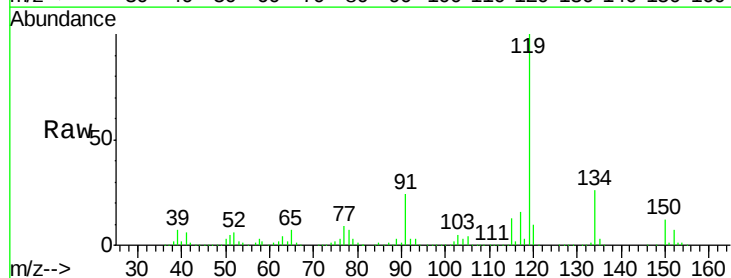
Tgt Ion:119 Resp: 170309

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.7 11.8 35.4





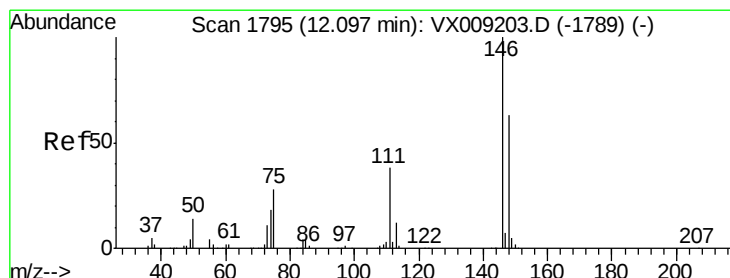
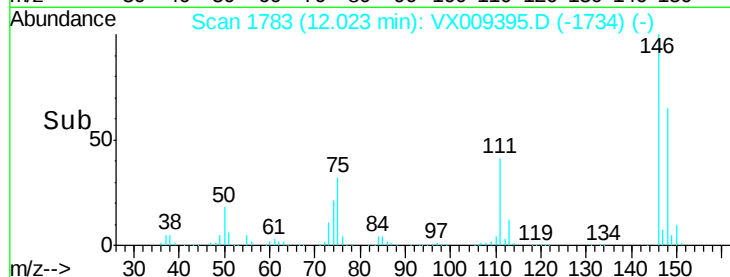
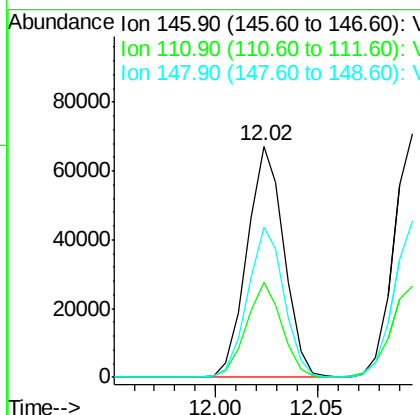
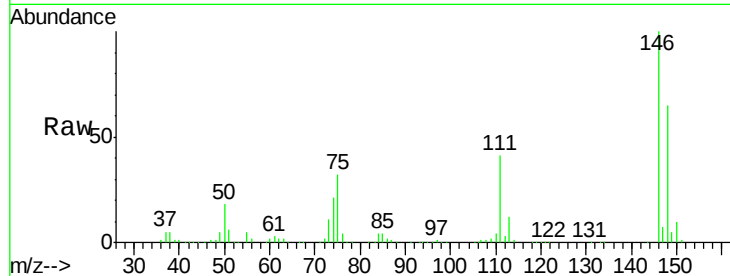
#87
 1,3-Dichlorobenzene
 Concen: 21.671 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.9	31.8	95.3

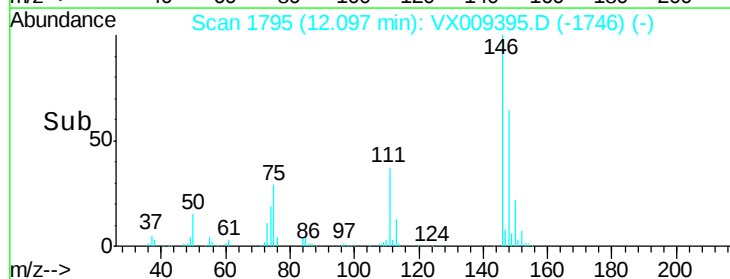
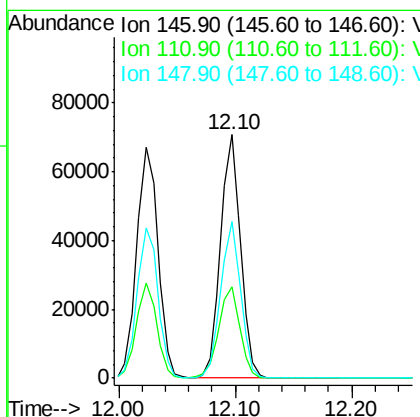
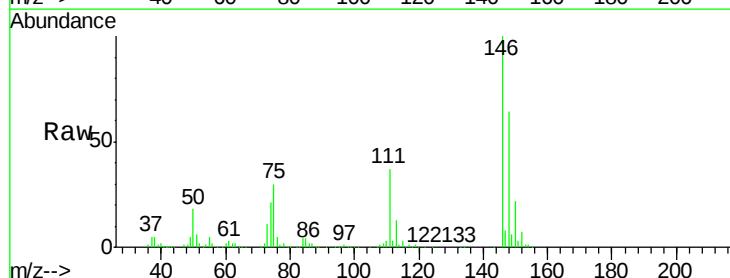
Manual Integrations
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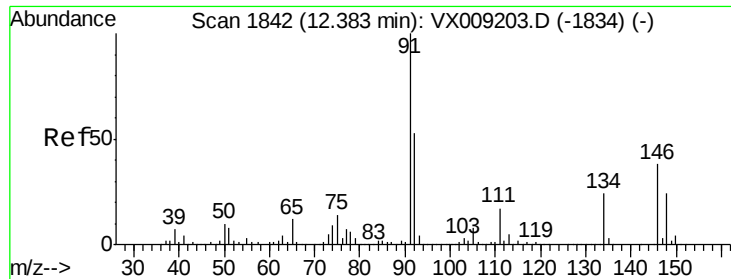
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#88
 1,4-Dichlorobenzene
 Concen: 21.420 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.4	31.8	95.3





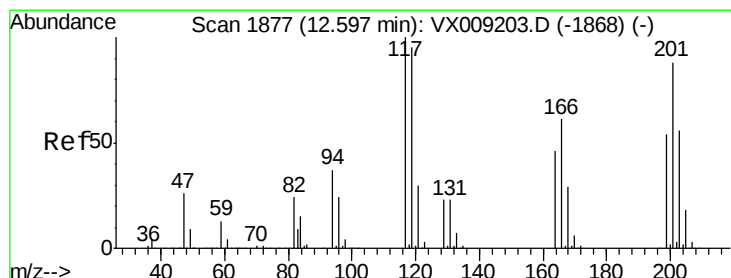
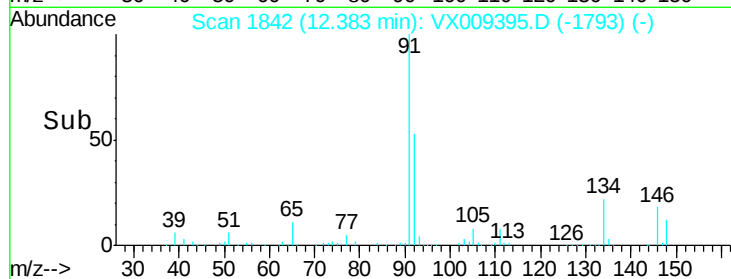
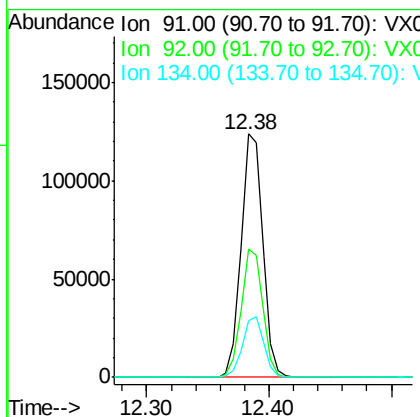
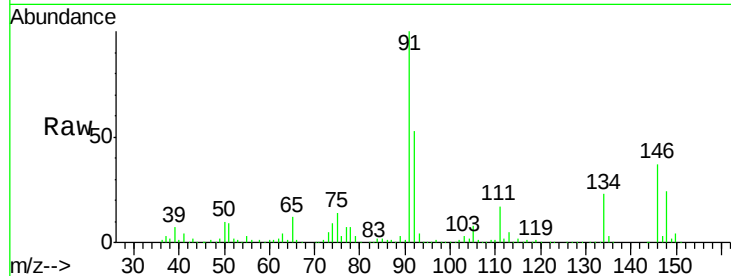
#89
n-Butylbenzene
Concen: 21.704 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	150761		
92	52.3	26.5	79.5	
134	24.6	12.4	37.2	

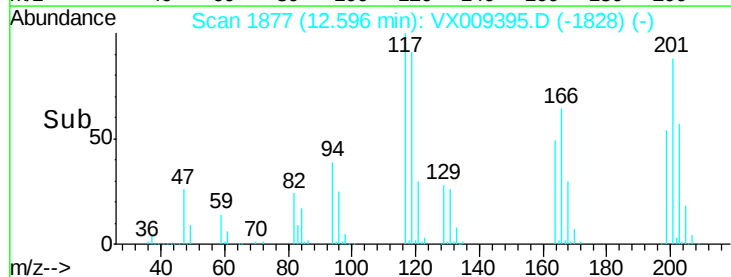
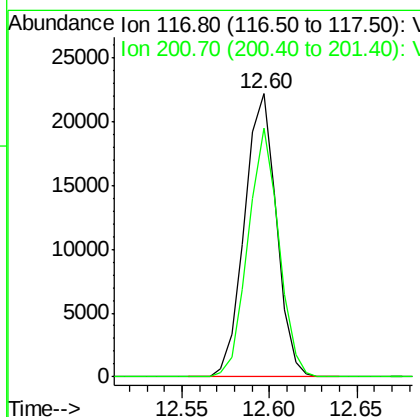
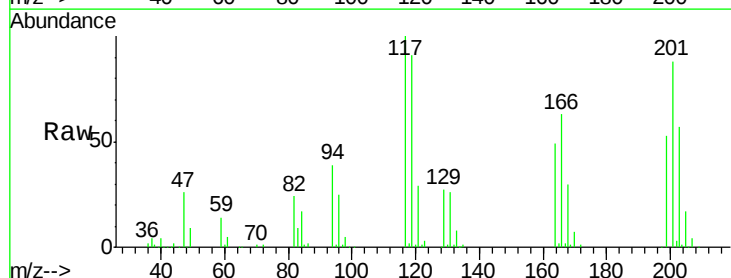
Manual Integrations
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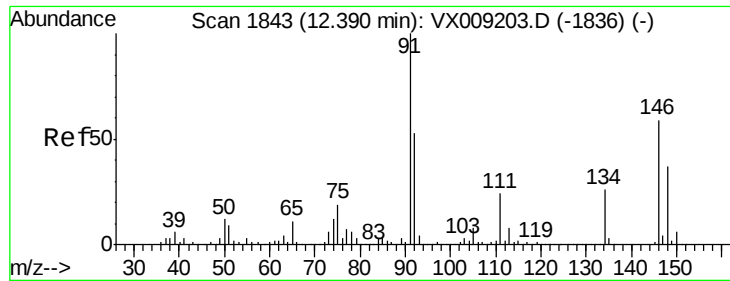
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#90
Hexachloroethane
Concen: 21.496 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28146		
201	84.6	42.3	126.9	





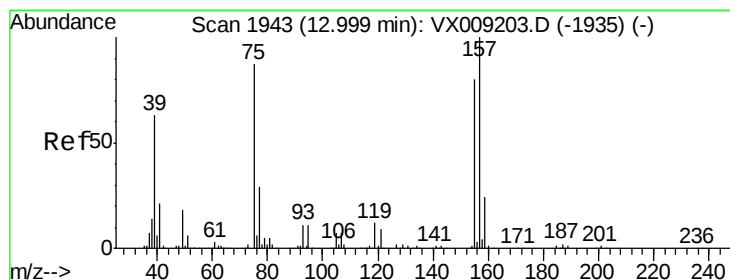
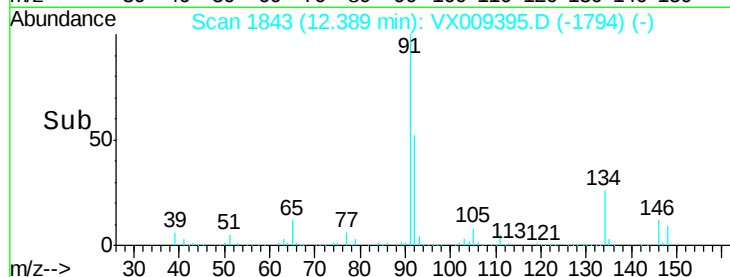
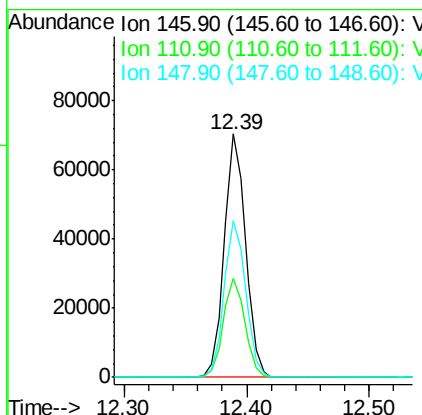
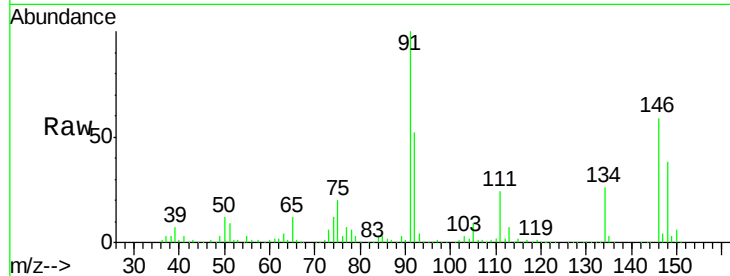
#91
 1,2-Dichlorobenzene
 Concen: 21.400 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	65.2	31.9	95.9

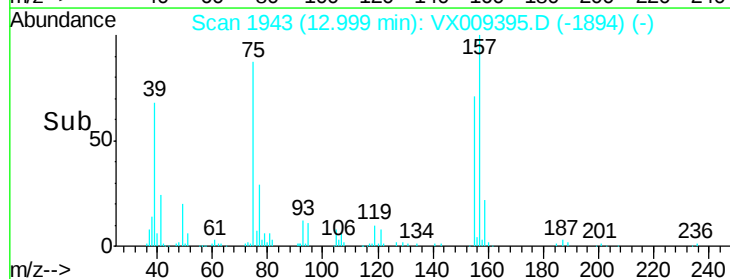
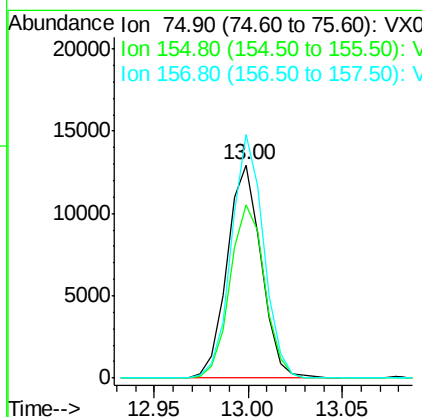
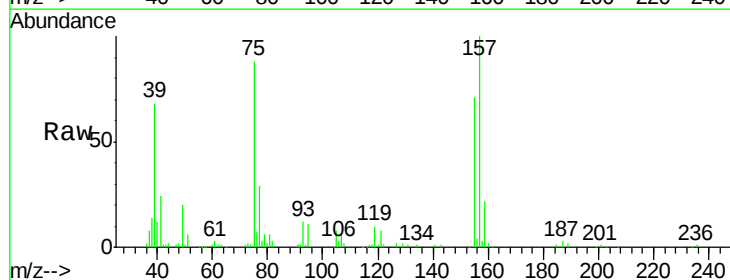
Manual Integrations
 APPROVED

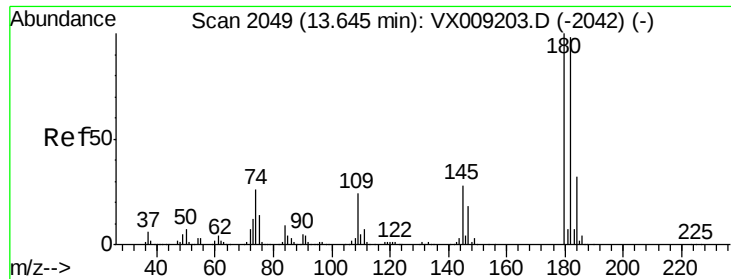
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 5/9/2019 9:49:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.015 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	42.0	126.0
157	108.2	53.2	159.6





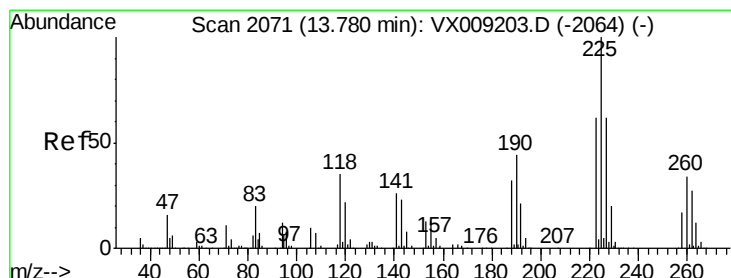
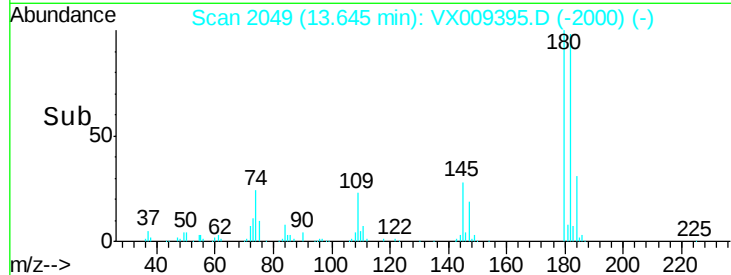
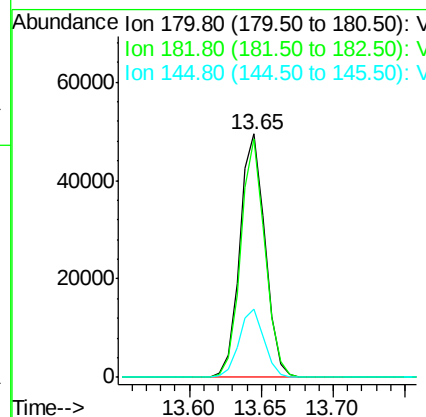
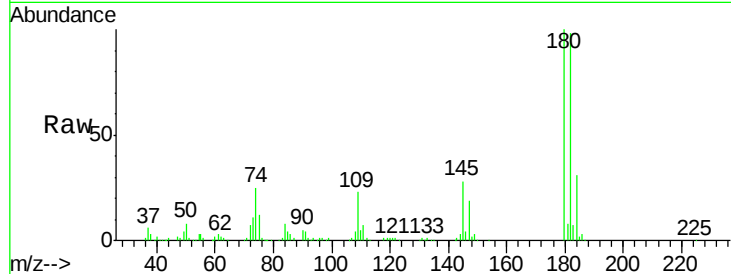
#93
 1,2,4-Trichlorobenzene
 Concen: 22.259 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60391		
182	94.2		48.4	145.2
145	28.0		14.6	43.8

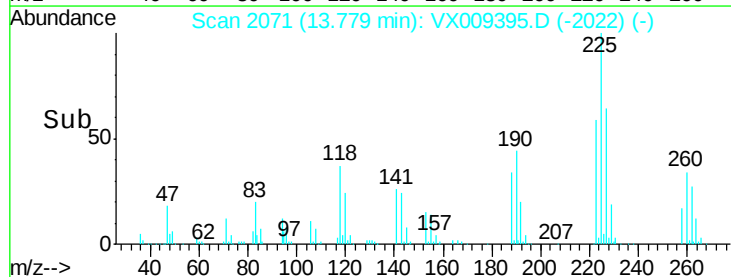
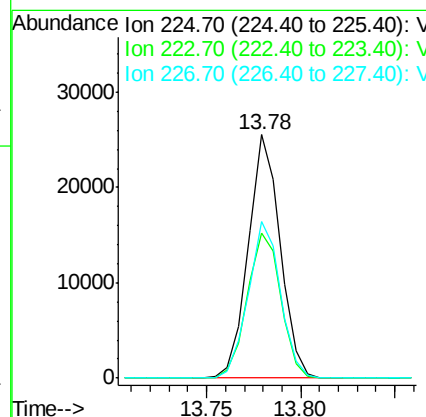
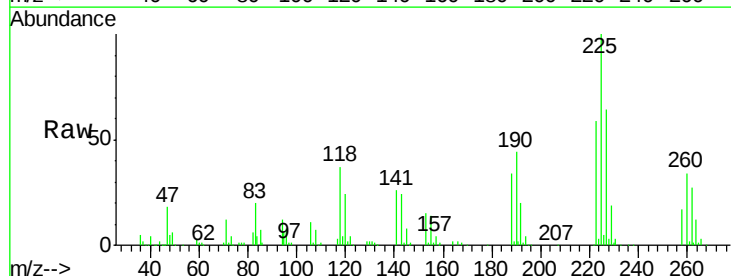
Manual Integrations
 APPROVED

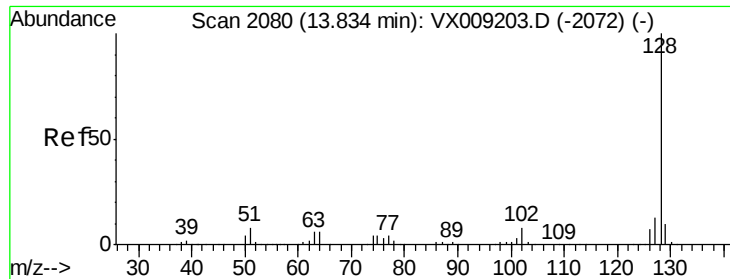
MMDadoda
 5/9/2019 9:49:25 AM



#94
 Hexachlorobutadiene
 Concen: 21.601 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009395.D
 Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29927		
223	62.6		31.3	93.8
227	64.9		31.8	95.3





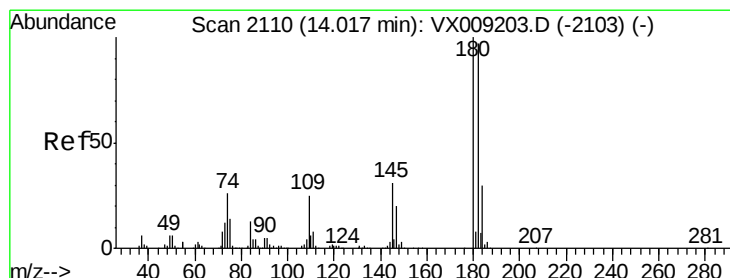
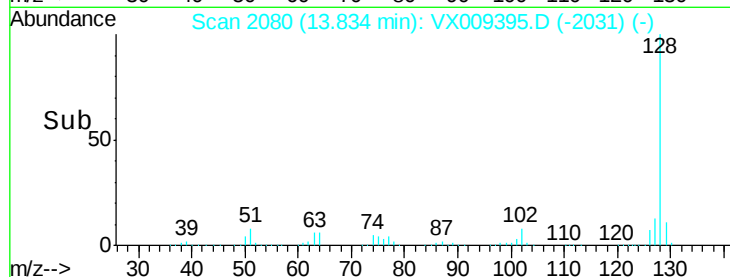
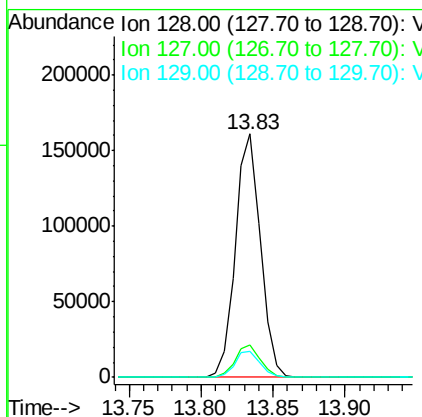
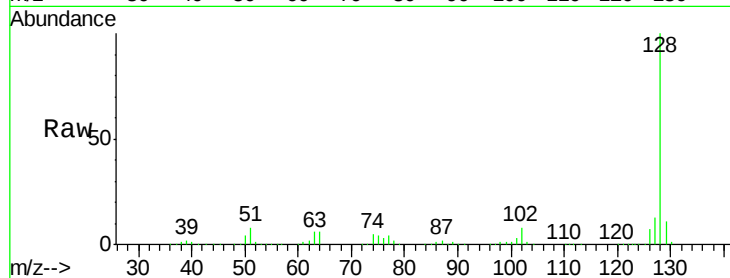
#95
Naphthalene
Concen: 22.273 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	196601		
127	13.3	10.4	15.6	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/9/2019 9:49:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.067 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009395.D
Acq: 08 May 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60686		
182	97.0	47.8	143.4	
145	31.0	15.4	46.4	

