

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
 Data File : VX008138.D
 Acq On : 16 Mar 2019 14:01
 Operator : JC/SP
 Sample : VX0316WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 10:36:59 AM

Quant Time: Mar 18 01:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166506	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	118752	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	5.50	113	111546	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	8.71	98	409539	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
62) 4-Bromofluorobenzene	11.13	95	144508	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37521	17.549	ug/l	98
3) Chloromethane	1.33	50	34935	13.877	ug/l	99
4) Vinyl Chloride	1.41	62	36609	15.240	ug/l	97
5) Bromomethane	1.64	94	23928	19.555	ug/l	100
6) Chloroethane	1.73	64	22228	16.729	ug/l	97
7) Trichlorofluoromethane	1.93	101	50657	17.571	ug/l	99
8) Diethyl Ether	2.19	74	26664	18.606	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40512	18.801	ug/l	93
10) Methyl Iodide	2.51	142	62551	20.780	ug/l	97
11) Tert butyl alcohol	3.07	59	49044	94.213	ug/l	99
12) 1,1-Dichloroethene	2.38	96	38973	19.137	ug/l	91
13) Acrolein	2.30	56	32494	67.766	ug/l	97
14) Allyl chloride	2.73	41	65231	17.585	ug/l	95
15) Acrylonitrile	3.15	53	116279	91.604	ug/l	100
16) Acetone	2.45	43	101652	79.912	ug/l	97
17) Carbon Disulfide	2.57	76	108549	18.563	ug/l	100
18) Methyl Acetate	2.78	43	56172	20.431	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	129427	18.797	ug/l	96
20) Methylene Chloride	2.86	84	42770	18.826	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	42143	19.206	ug/l	87
22) Diisopropyl ether	3.87	45	132182	17.931	ug/l	92
23) Vinyl Acetate	3.82	43	567350	90.494	ug/l	95
24) 1,1-Dichloroethane	3.70	63	74877	18.529	ug/l	99
25) 2-Butanone	4.70	43	166953	85.506	ug/l	94
26) 2,2-Dichloropropane	4.59	77	55715	18.047	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	48496	18.593	ug/l	95
28) Bromochloromethane	5.03	49	31491	16.500	ug/l	84
29) Tetrahydrofuran	5.15	42	106673	87.518	ug/l	92
30) Chloroform	5.21	83	76674	18.732	ug/l	98
31) Cyclohexane	5.57	56	68712	17.835	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	66340	19.241	ug/l	97
36) 1,1-Dichloropropene	5.80	75	56942	18.628	ug/l	97
37) Ethyl Acetate	4.85	43	60432	18.394	ug/l	96
38) Carbon Tetrachloride	5.78	117	57397	19.507	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71358	18.263	ug/l	97
40) Benzene	6.14	78	175730	18.765	ug/l	100
41) Methacrylonitrile	5.06	41	33732	17.635	ug/l	94
42) 1,2-Dichloroethane	6.20	62	57487	19.190	ug/l	98
43) Isopropyl Acetate	6.46	43	94138	17.792	ug/l	97
44) Trichloroethene	7.21	130	51973	19.230	ug/l	99
45) 1,2-Dichloropropane	7.51	63	45243	18.313	ug/l	99
46) Dibromomethane	7.66	93	29785	19.235	ug/l	93
47) Bromodichloromethane	7.90	83	54979	18.669	ug/l	99
48) Methyl methacrylate	7.77	41	48775	17.651	ug/l	92
49) 1,4-Dioxane	7.75	88	22236	373.092	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	310976	89.179	ug/l	96
52) Toluene	8.78	92	112379	18.879	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	59425	18.408	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66711	18.594	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	46496	19.183	ug/l	97
56) Ethyl methacrylate	9.18	69	66064	18.452	ug/l	93
57) 1,3-Dichloropropane	9.37	76	74452	18.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	190517	90.451	ug/l	95
59) 2-Hexanone	9.49	43	235088	86.203	ug/l	95
60) Dibromochloromethane	9.58	129	47642	19.071	ug/l	99
61) 1,2-Dibromoethane	9.67	107	49247	19.391	ug/l	100
64) Tetrachloroethene	9.34	164	52321	19.475	ug/l	97
65) Chlorobenzene	10.14	112	126474	19.221	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	46488	19.908	ug/l	100
67) Ethyl Benzene	10.25	91	203970	18.728	ug/l	99
68) m/p-Xylenes	10.36	106	161069	38.649	ug/l	98
69) o-Xylene	10.69	106	77810	19.153	ug/l	98
70) Styrene	10.71	104	128321	19.281	ug/l	99
71) Bromoform	10.85	173	36983	19.137	ug/l #	97
73) Isopropylbenzene	11.02	105	209608	19.655	ug/l	100
74) N-amyl acetate	10.90	43	77556	17.240	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	66623	19.066	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64359m	22.256	ug/l	
77) Bromobenzene	11.26	156	57428	19.729	ug/l	94
78) n-propylbenzene	11.36	91	225235	19.251	ug/l	99
79) 2-Chlorotoluene	11.42	91	137172	19.197	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	172997	19.686	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18520	18.225	ug/l	97
82) 4-Chlorotoluene	11.51	91	155619	19.016	ug/l	98
83) tert-Butylbenzene	11.77	119	173257	19.674	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	178439	19.685	ug/l	99
85) sec-Butylbenzene	11.94	105	203876	19.431	ug/l	100
86) p-Isopropyltoluene	12.06	119	187114	19.719	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	100102	19.322	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	101094	19.217	ug/l	99
89) n-Butylbenzene	12.38	91	146254	18.420	ug/l	99
90) Hexachloroethane	12.60	117	28605	18.835	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	100945	19.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13747	19.459	ug/l	92

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ClientSampleId :
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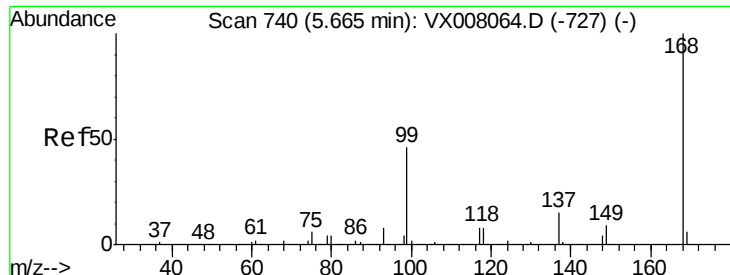
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	69817	19.176	ug/l	99
94) Hexachlorobutadiene	13.78	225	39301	19.868	ug/l	100
95) Naphthalene	13.83	128	201653	19.697	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	69946	19.515	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion:168 Resp: 267109

Ion Ratio Lower Upper

168 100

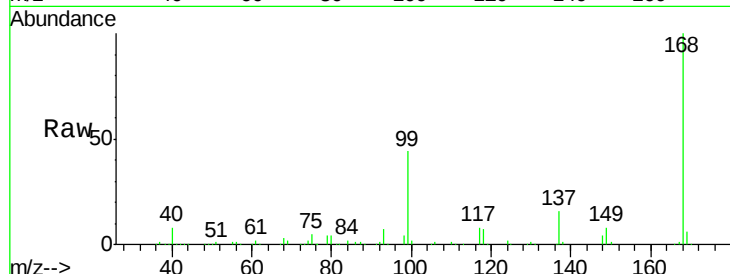
99 44.5 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

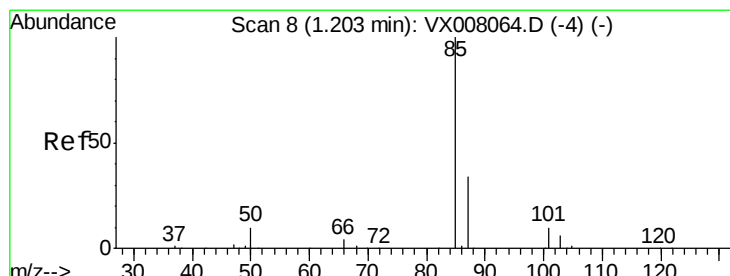
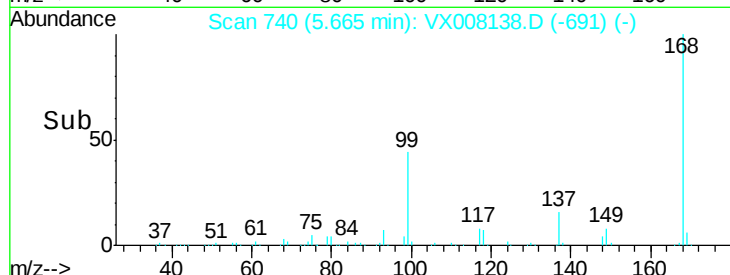
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.549 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX008138.D

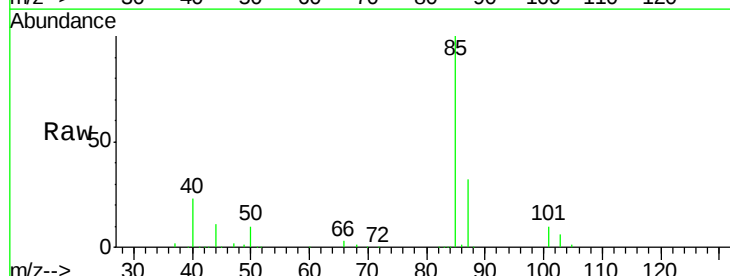
Acq: 16 Mar 2019 14:01

Tgt Ion: 85 Resp: 37521

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

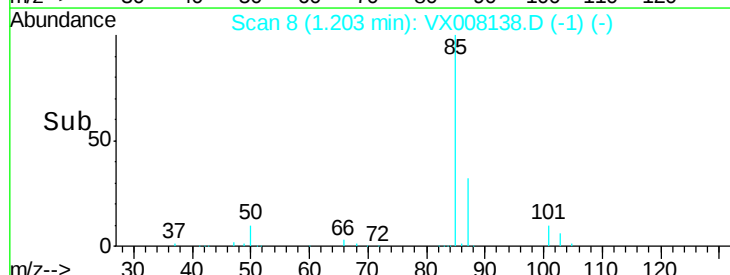
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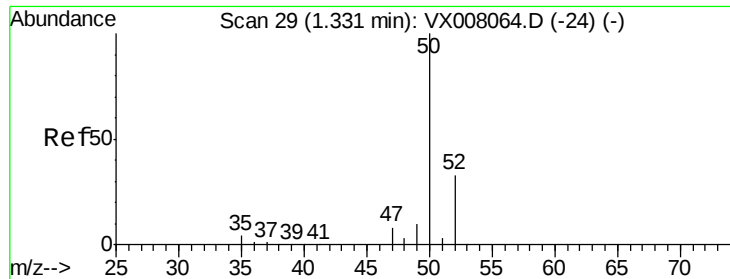
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 13.877 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion: 50 Resp: 34935

Ion Ratio Lower Upper

50 100

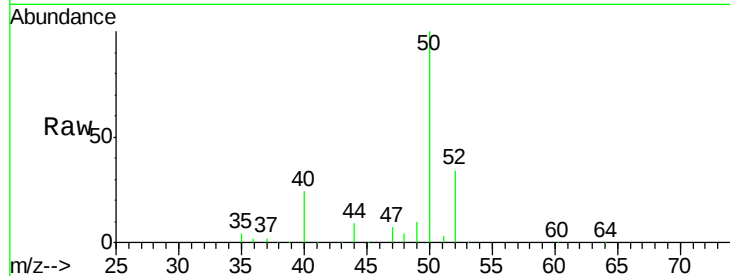
52 33.5 26.5 39.7

Manual Integrations

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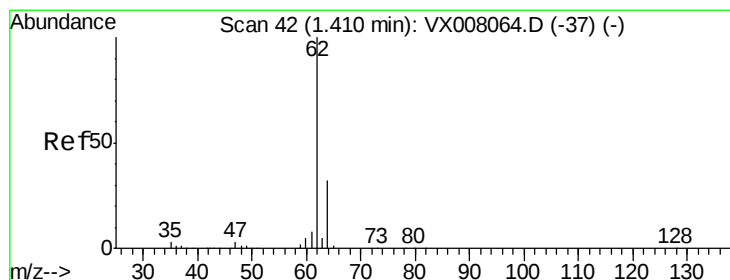
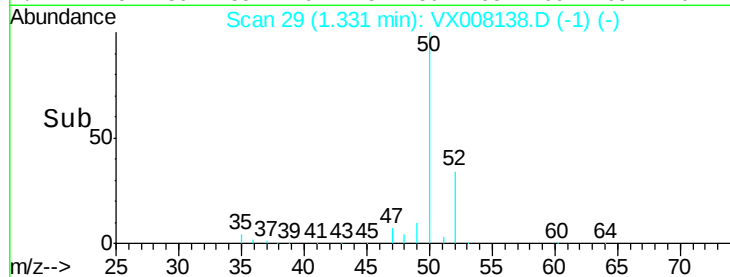
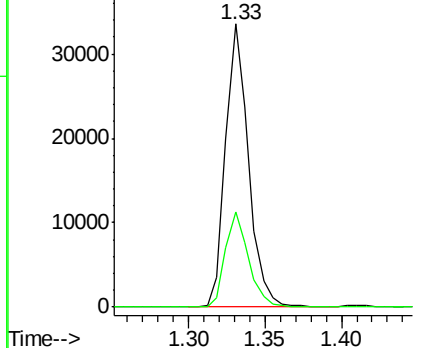
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 15.240 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008138.D

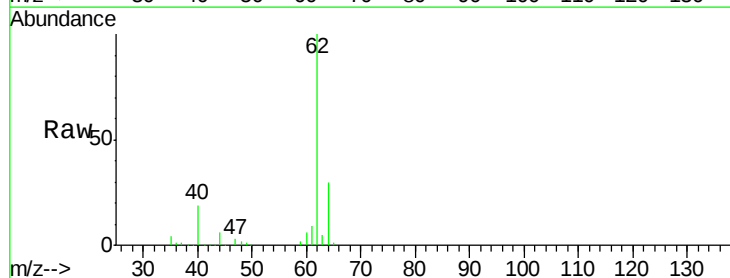
Acq: 16 Mar 2019 14:01

Tgt Ion: 62 Resp: 36609

Ion Ratio Lower Upper

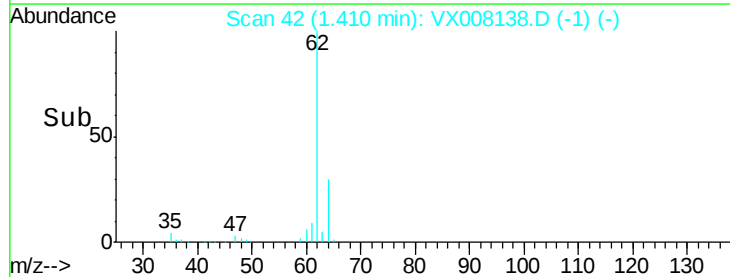
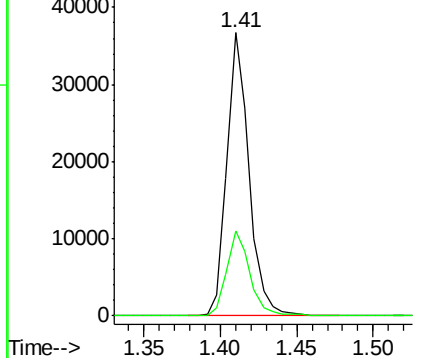
62 100

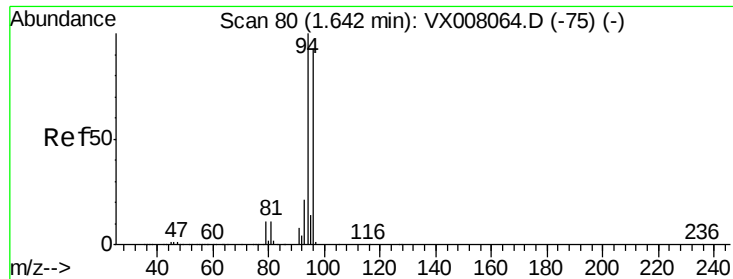
64 29.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.555 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion: 94 Resp: 23928

Ion Ratio Lower Upper

94 100

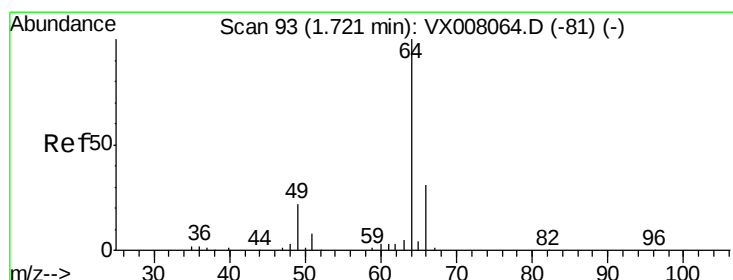
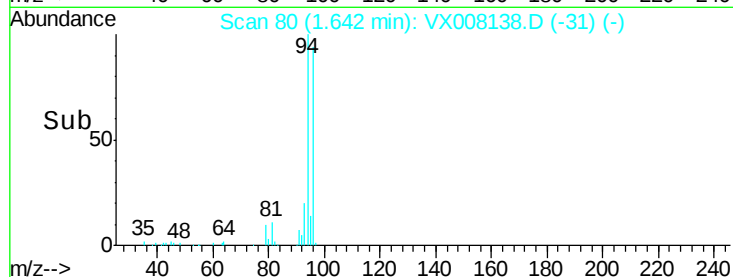
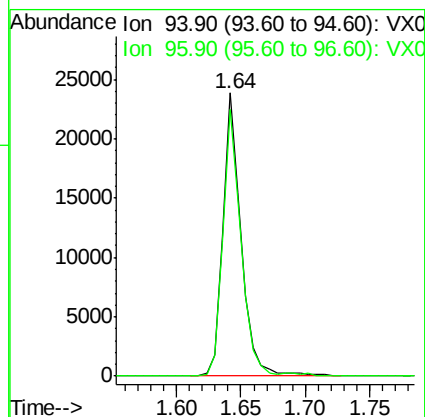
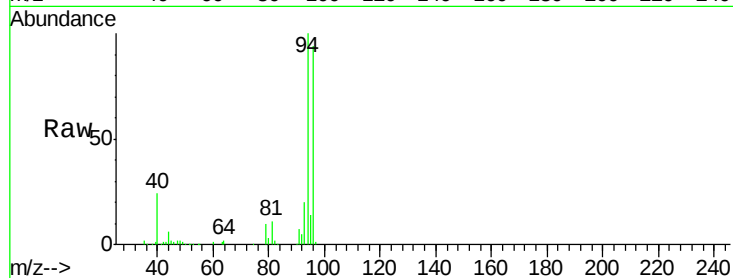
96 94.1 75.5 113.3

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#6

Chloroethane

Concen: 16.729 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008138.D

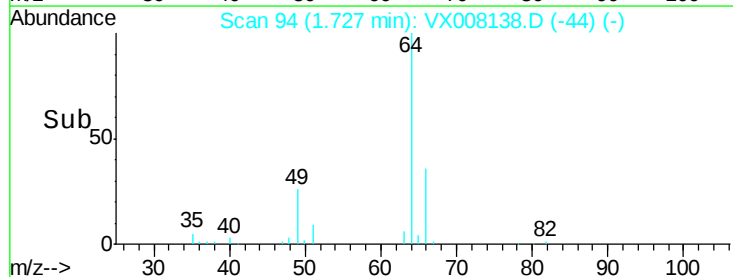
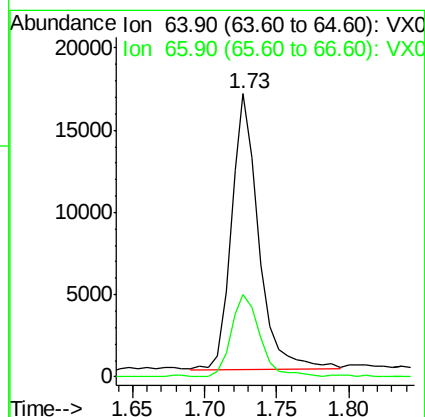
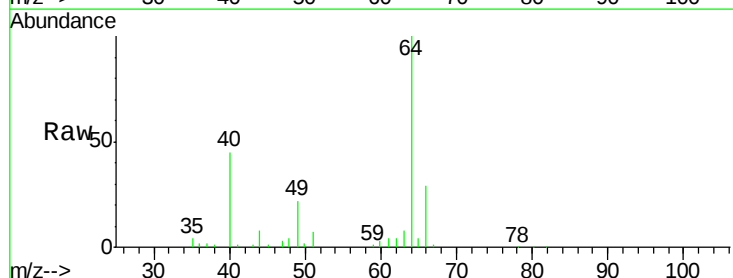
Acq: 16 Mar 2019 14:01

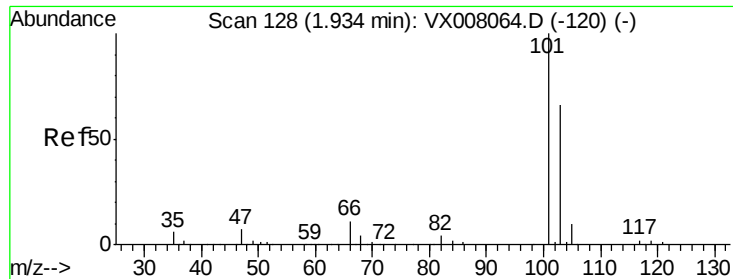
Tgt Ion: 64 Resp: 22228

Ion Ratio Lower Upper

64 100

66 29.7 25.2 37.8





#7

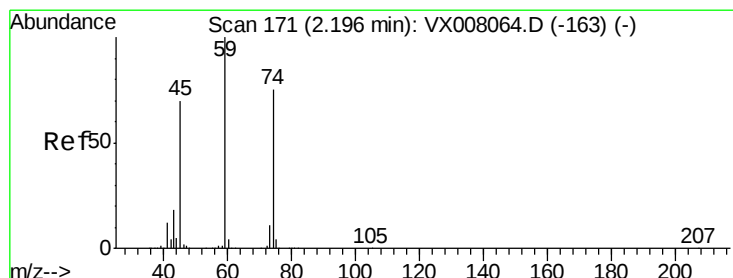
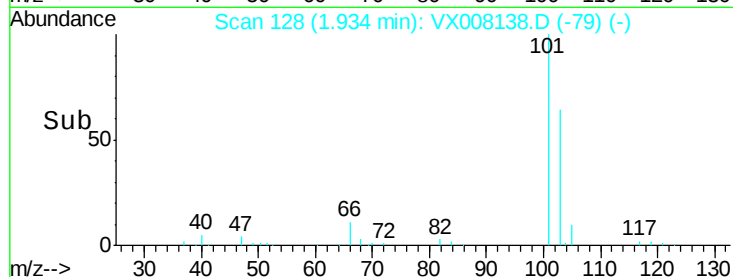
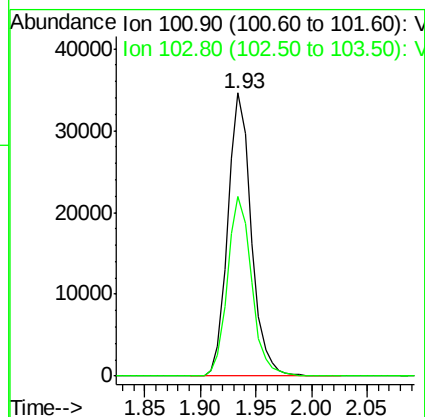
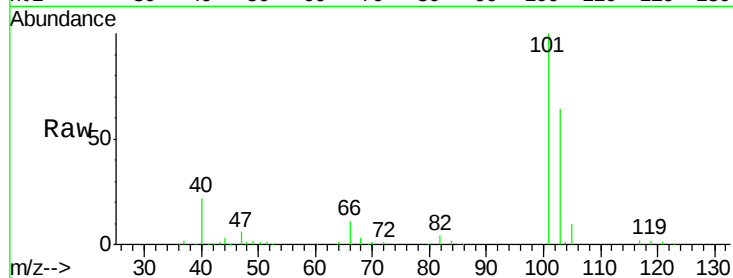
Trichlorofluoromethane
Concen: 17.571 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

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MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion:101 Resp: 50657
Ion Ratio Lower Upper
101 100
103 63.7 50.4 75.6

Manual Integrations
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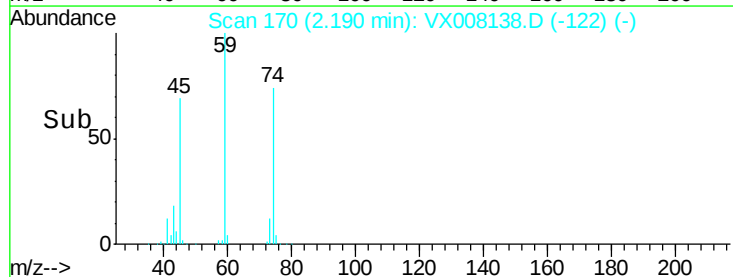
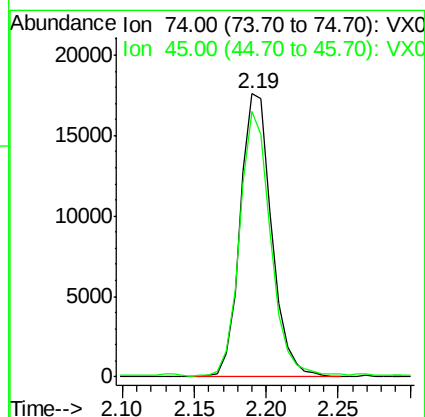
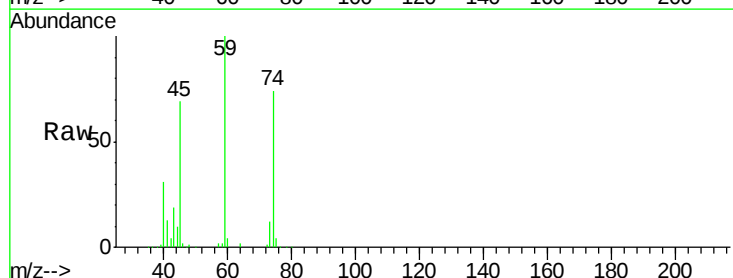
MMDadoda
3/18/2019 10:36:59 AM

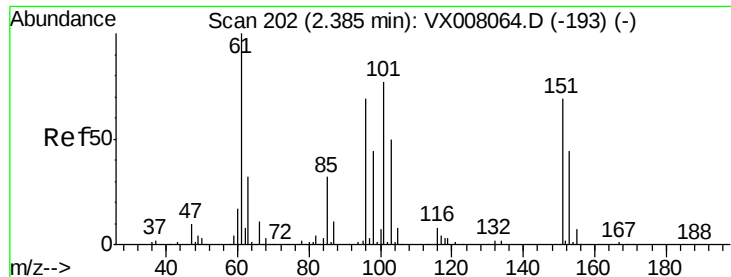


#8

Diethyl Ether
Concen: 18.606 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion: 74 Resp: 26664
Ion Ratio Lower Upper
74 100
45 93.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.801 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

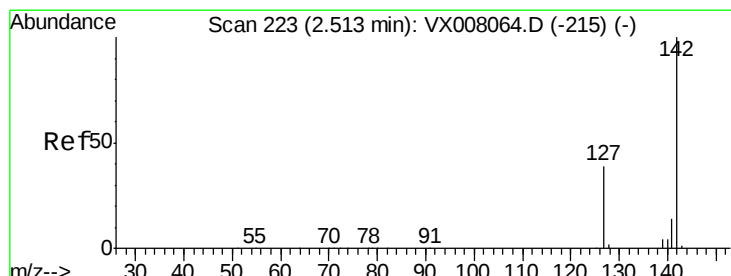
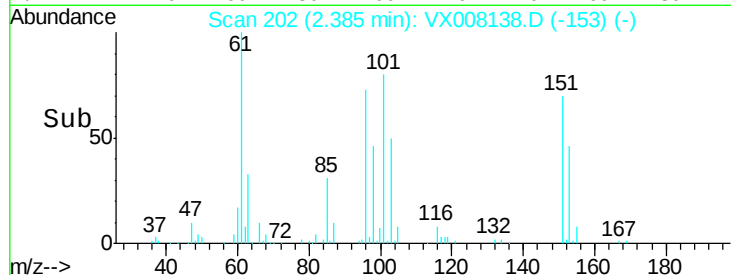
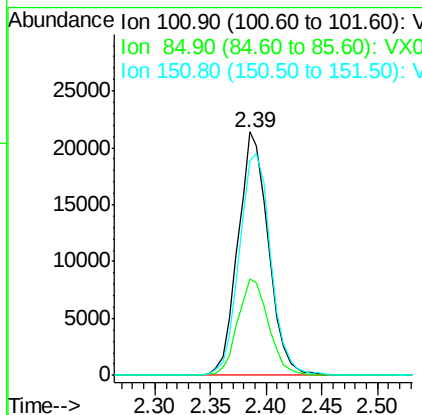
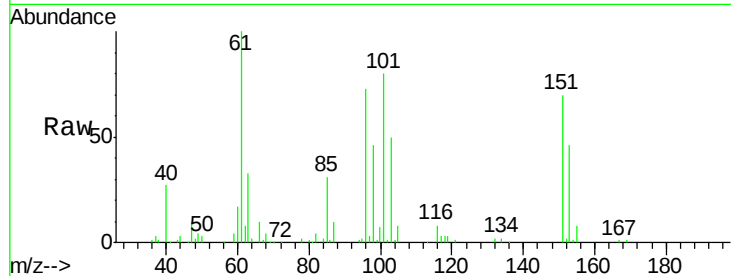
ClientSampleId :

VX0316WBSD01

Tot Ion:	101	Resp:	40512
Ion Ratio	Lower	Upper	
101	100		
85	40.2	33.8	50.6
151	94.6	69.1	103.7

Manual Integrations
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3/18/2019 10:36:59 AM



#10

Methyl Iodide

Concen: 20.780 ug/l

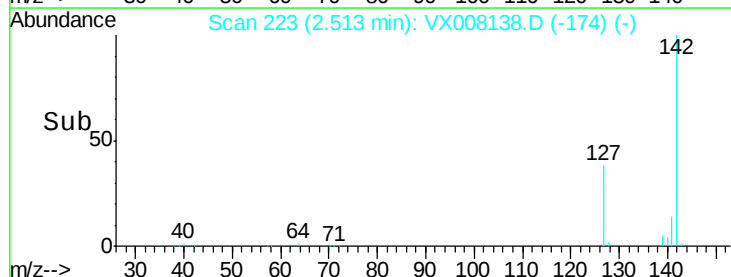
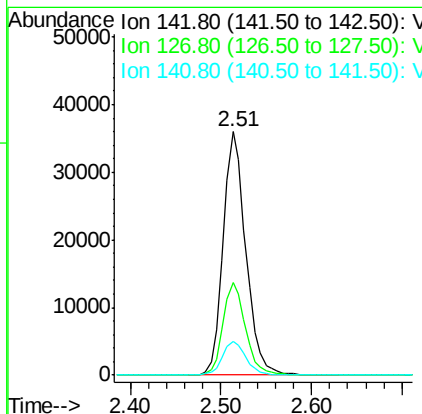
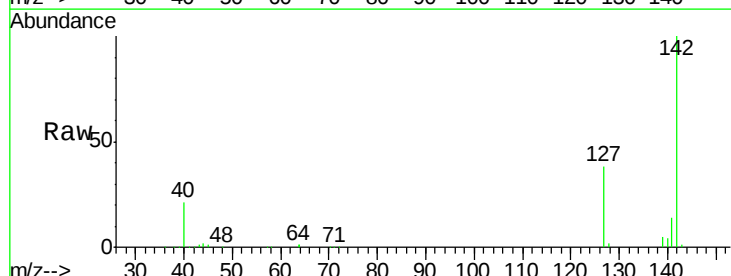
RT: 2.51 min Scan# 223

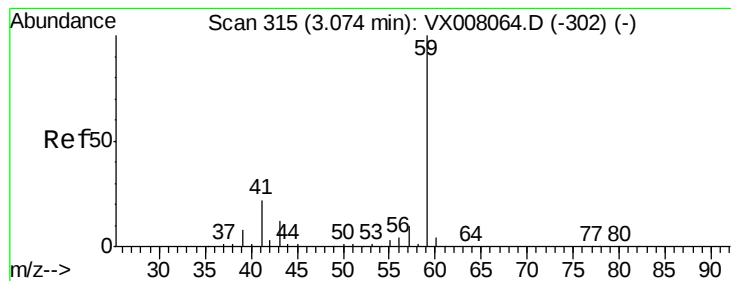
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	142	Resp:	62551
Ion Ratio	Lower	Upper	
142	100		
127	37.6	32.1	48.1
141	14.2	11.4	17.2





#11

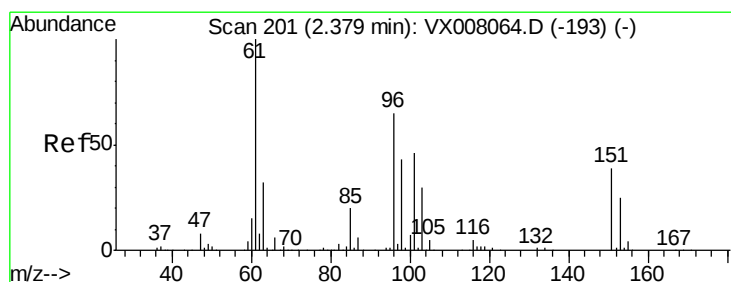
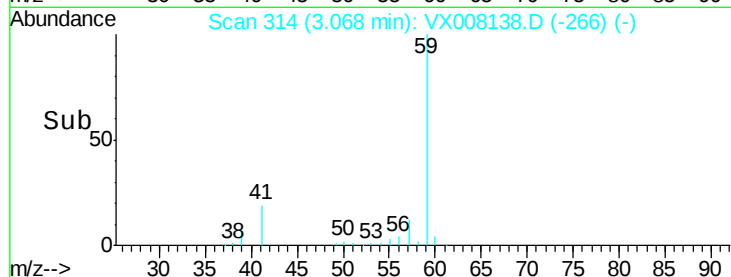
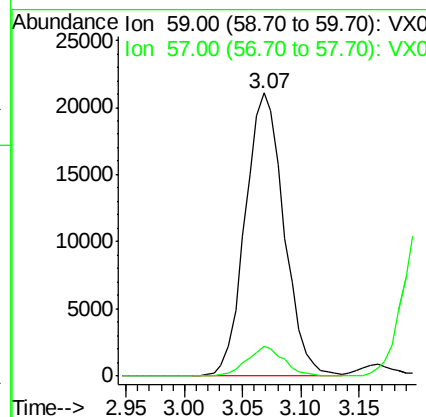
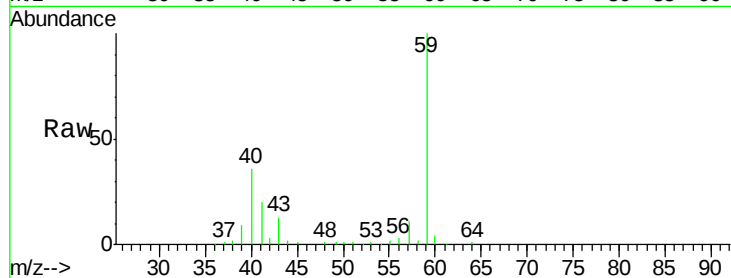
Tert butyl alcohol
 Concen: 94.213 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion	59	57	Ratio	100	9.9	Resp	49044	Lower	Upper
59	100								
57		9.9						8.2	12.2

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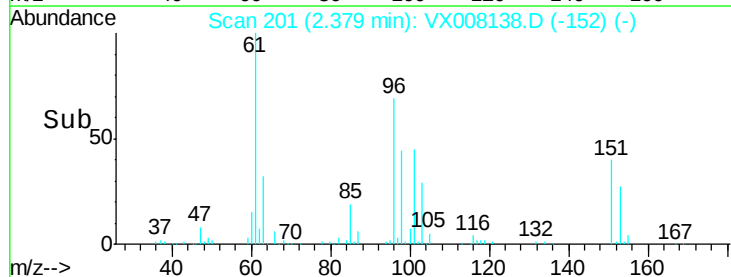
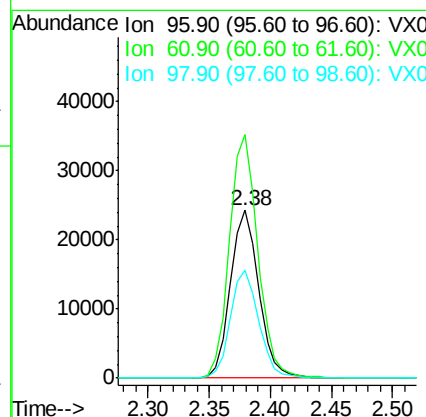
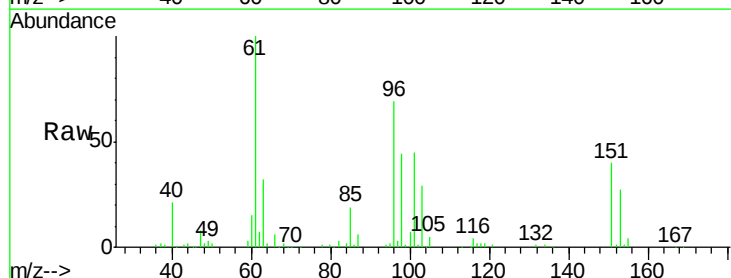
MMDadoda
 3/18/2019 10:36:59 AM

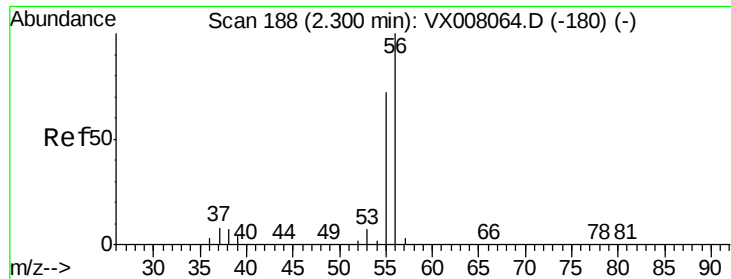


#12

1,1-Dichloroethene
 Concen: 19.137 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion	96	61	98	Ratio	100	145.2	64.0	Resp	38973	Lower	Upper
96	100										
61		145.2								129.8	194.6
98		64.0								51.0	76.6





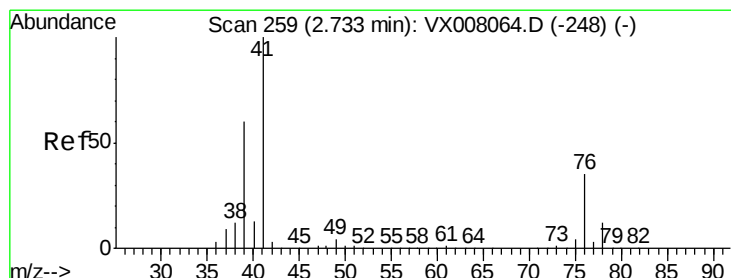
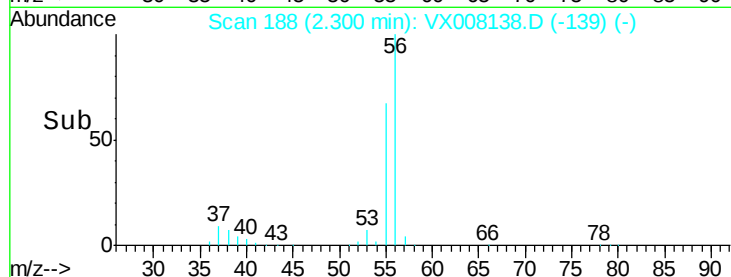
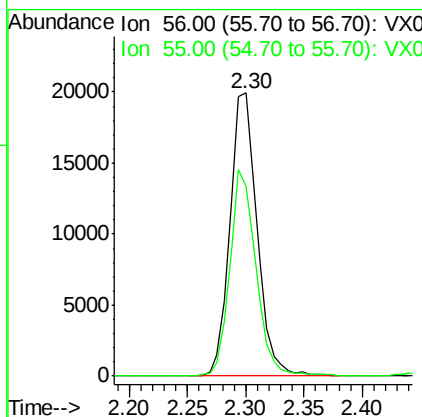
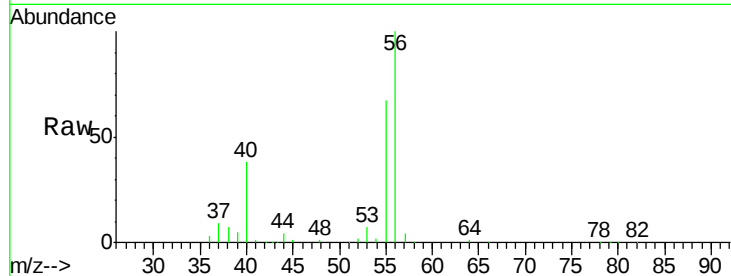
#13
Acrolein
Concen: 67.766 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion: 56 Resp: 32494
Ion Ratio Lower Upper
56 100
55 70.1 57.8 86.6

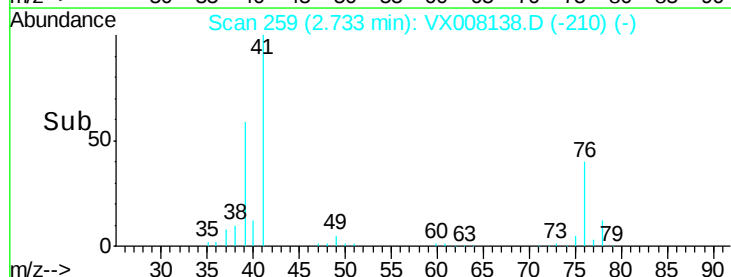
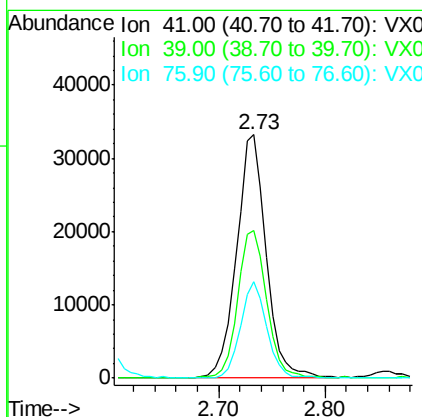
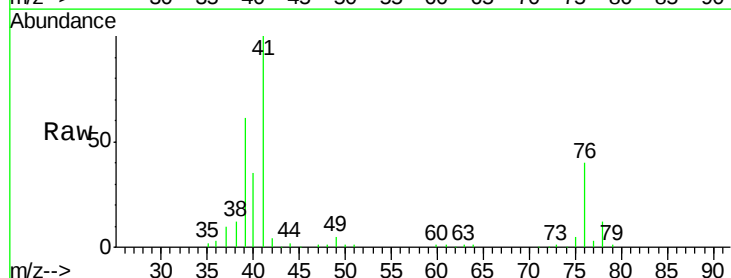
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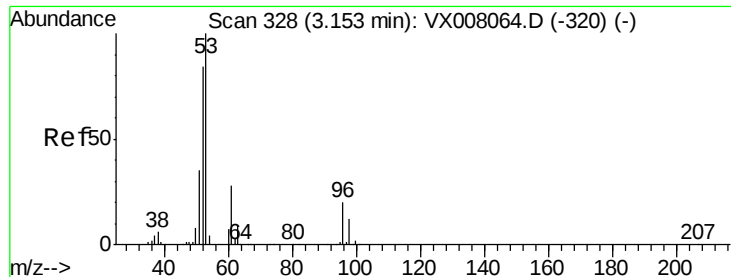
MMDadoda
3/18/2019 10:36:59 AM



#14
Allyl chloride
Concen: 17.585 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion: 41 Resp: 65231
Ion Ratio Lower Upper
41 100
39 59.2 46.1 69.1
76 35.1 24.0 36.0





#15

Acrylonitrile

Concen: 91.604 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

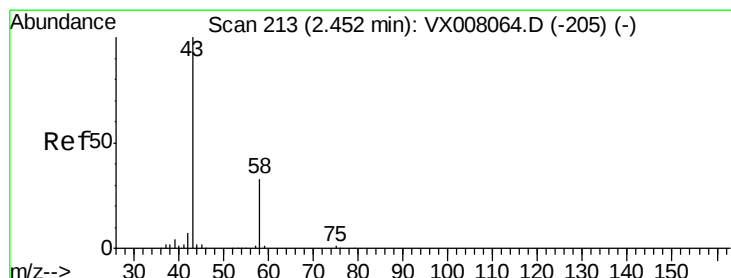
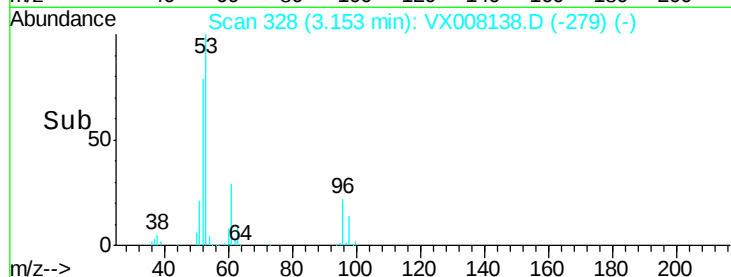
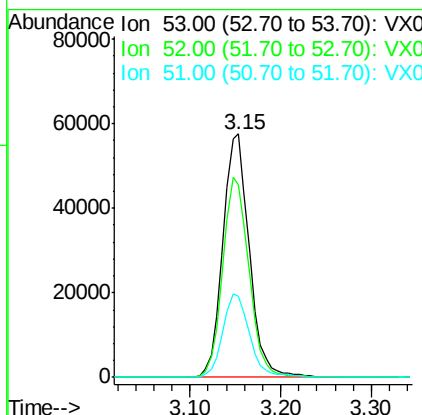
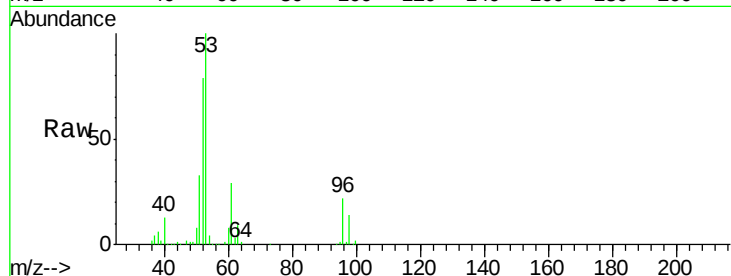
ClientSampleId :

VX0316WBSD01

Tot Ion:	53	Resp:	116279
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.0	99.0
51	34.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 79.912 ug/l

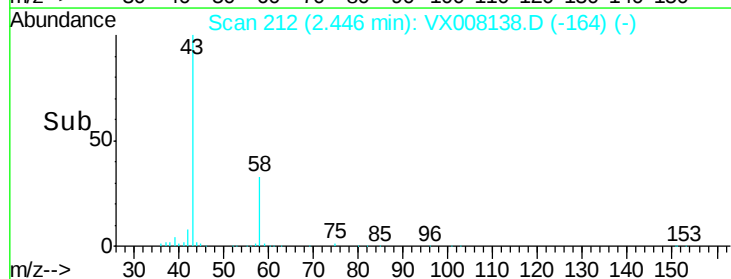
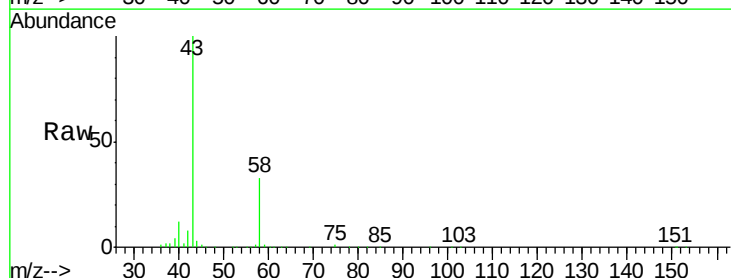
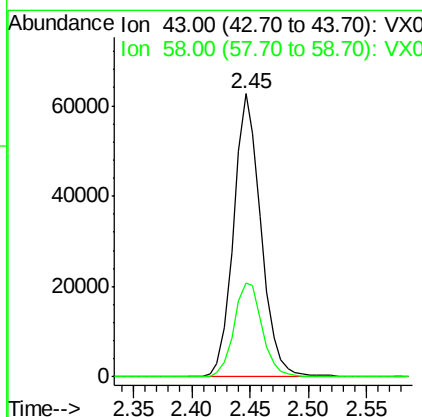
RT: 2.45 min Scan# 212

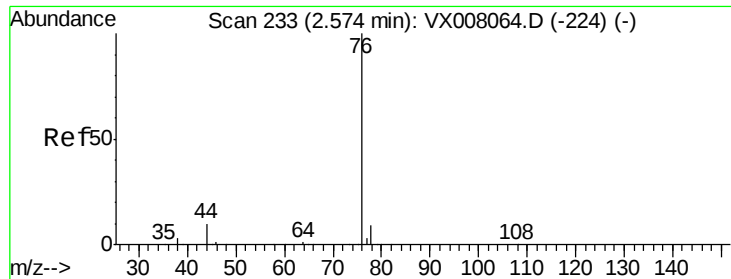
Delta R.T. -0.01 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	43	Resp:	101652
Ion Ratio		Lower	Upper
43	100		
58	33.5	25.5	38.3





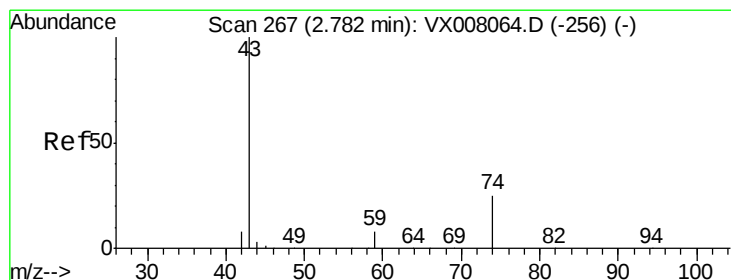
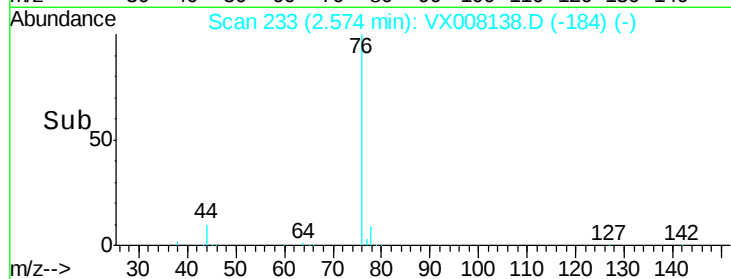
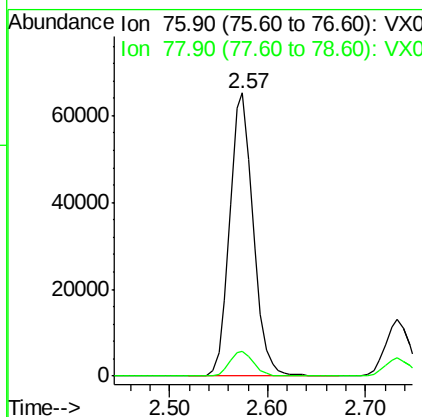
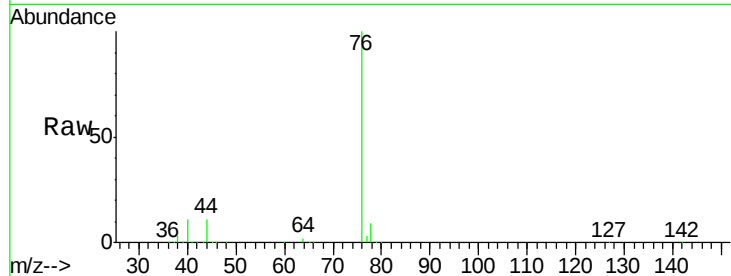
#17
Carbon Disulfide
Concen: 18.563 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampled :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

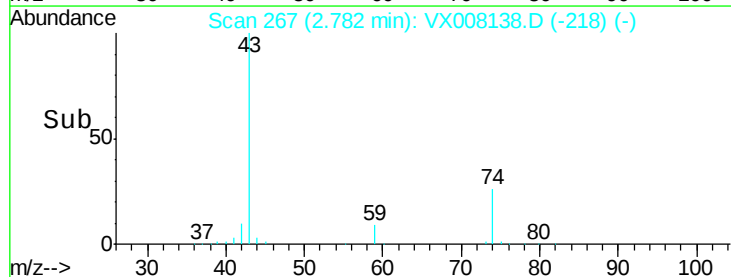
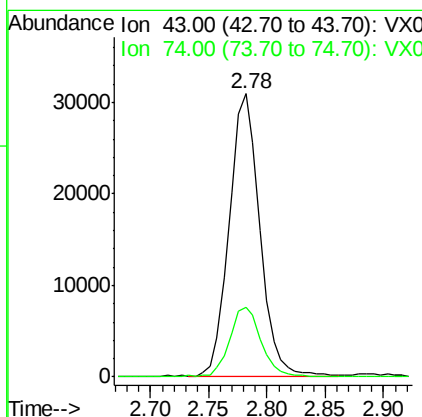
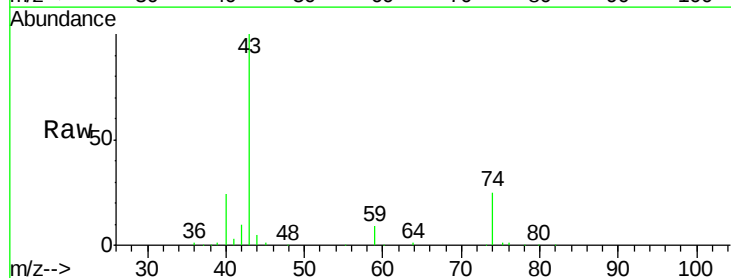
Manual Integrations
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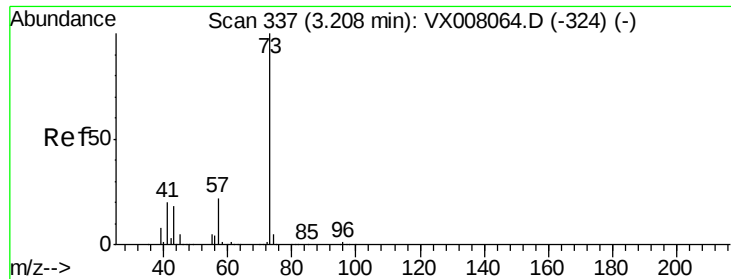
MMDadoda
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#18
Methyl Acetate
Concen: 20.431 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	17.8	26.6





#19

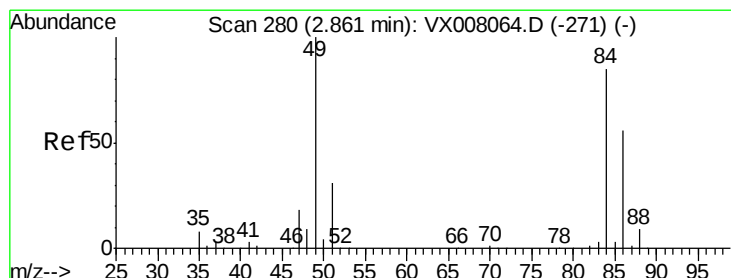
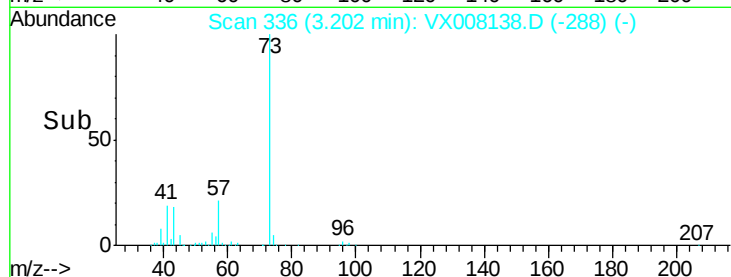
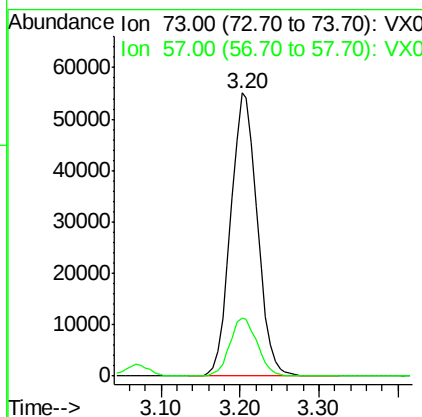
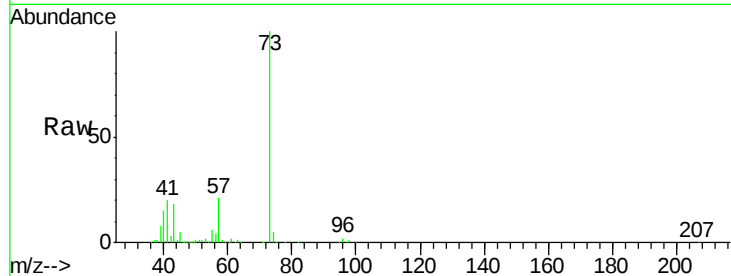
Methyl tert-butyl Ether
 Concen: 18.797 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion	73	Resp	129427
Ion Ratio	Lower	Upper	
73	100		
57	20.7	18.2	27.4

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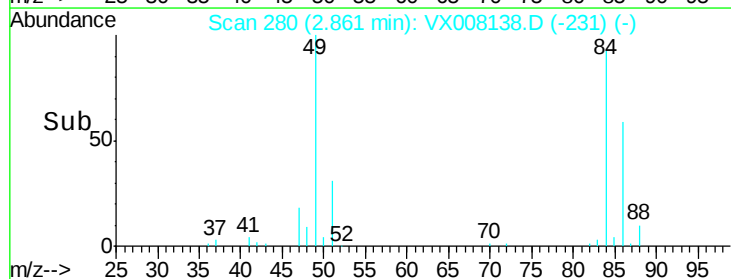
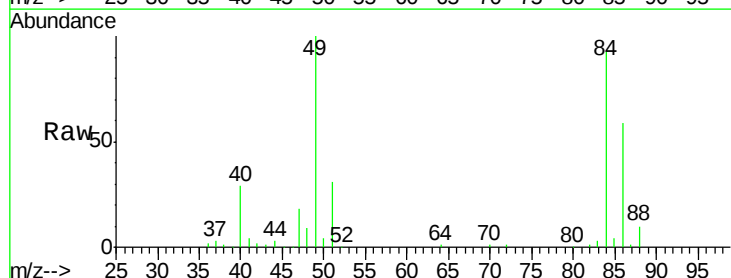
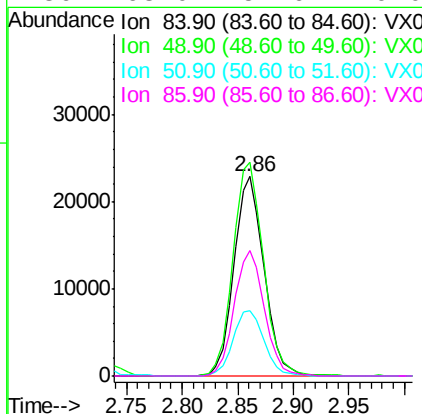
MMDadoda
 3/18/2019 10:36:59 AM

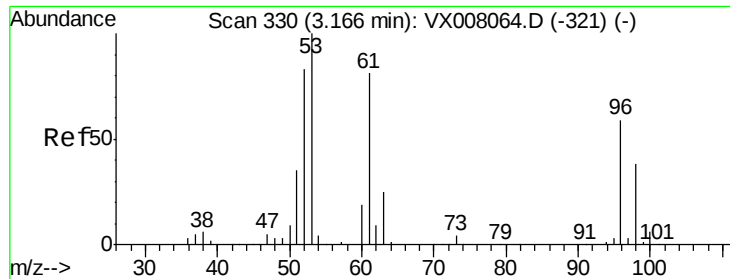


#20

Methylene Chloride
 Concen: 18.826 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion	84	Resp	42770
Ion Ratio	Lower	Upper	
84	100		
49	107.0	99.3	148.9
51	32.7	31.3	46.9
86	63.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.206 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

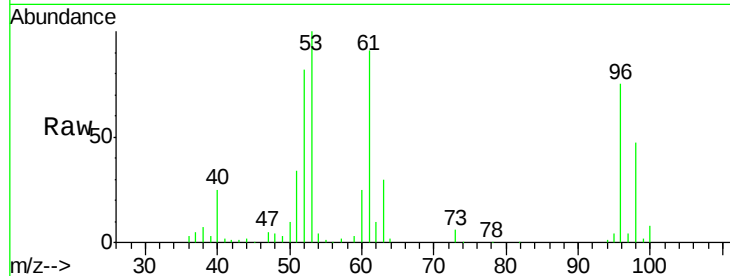
ClientSampled :

VX0316WBSD01

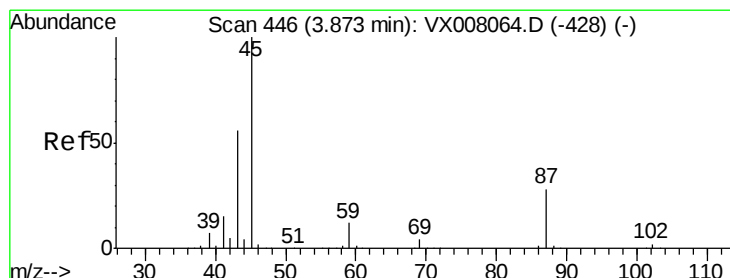
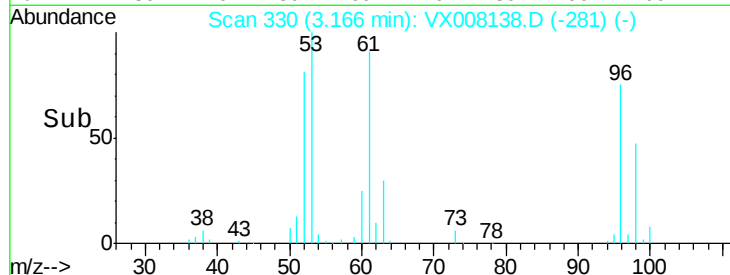
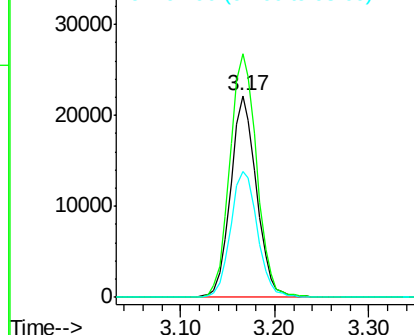
Tot Ion:	96	Resp:	42143
Ion	Ratio	Lower	Upper
96	100		
61	120.9	114.4	171.6
98	62.7	51.1	76.7

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: 17.931 ug/l

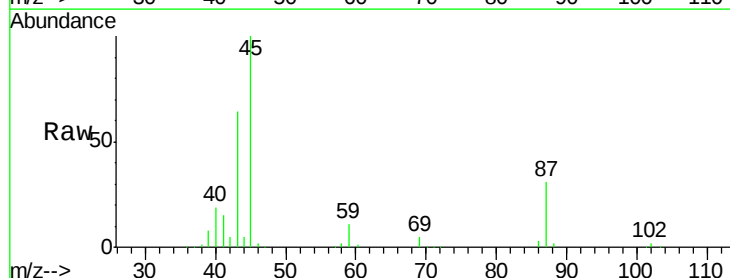
RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

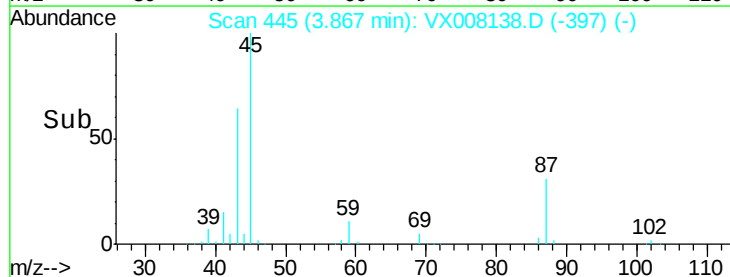
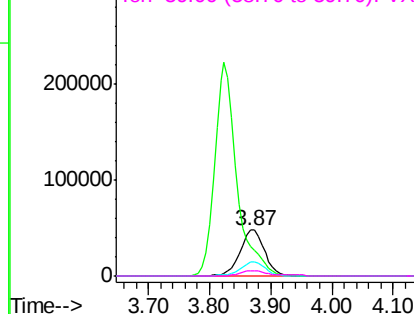
Lab File: VX008138.D

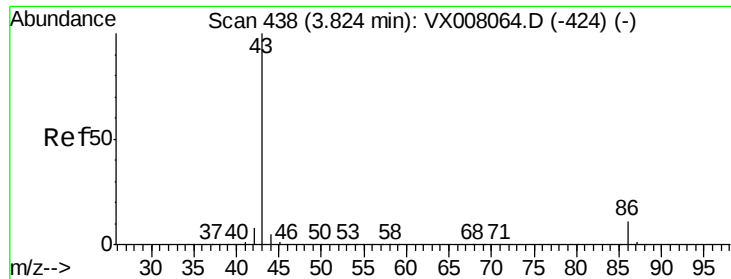
Acq: 16 Mar 2019 14:01

Tgt Ion:	45	Resp:	132182
Ion	Ratio	Lower	Upper
45	100		
43	64.1	45.3	67.9
87	30.6	21.4	32.0
59	11.4	9.5	14.3



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: 90.494 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleID :

VX0316WBSD01

Tot Ion: 43 Resp: 567350

Ion Ratio Lower Upper

43 100

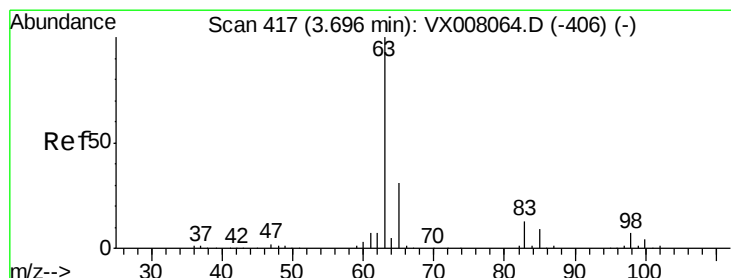
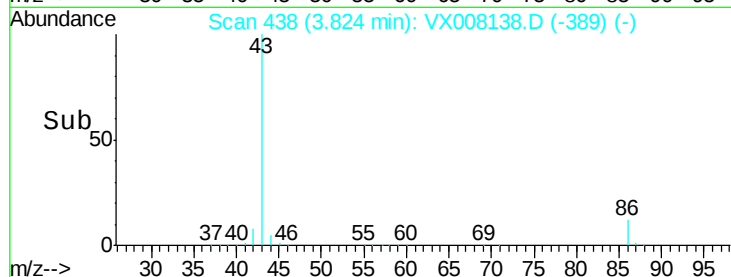
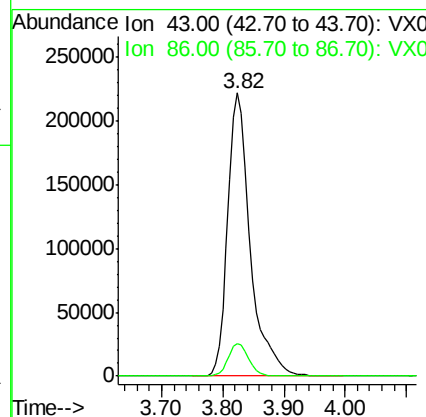
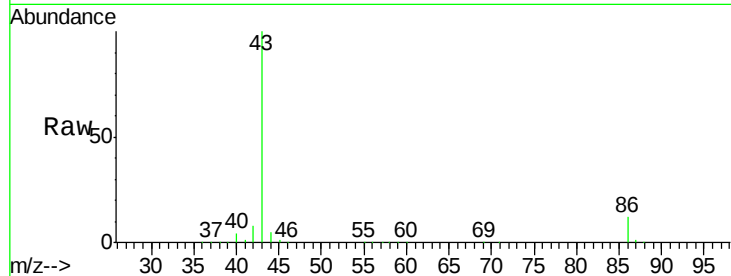
86 11.6 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.529 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

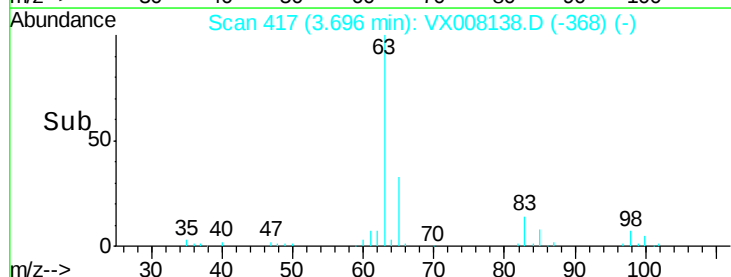
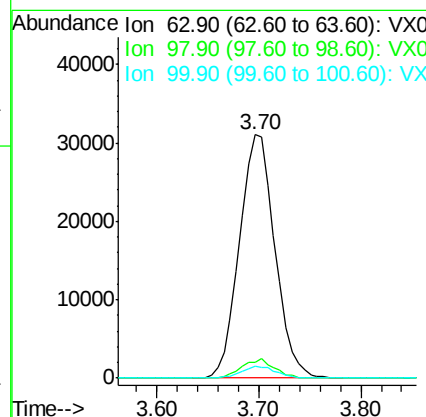
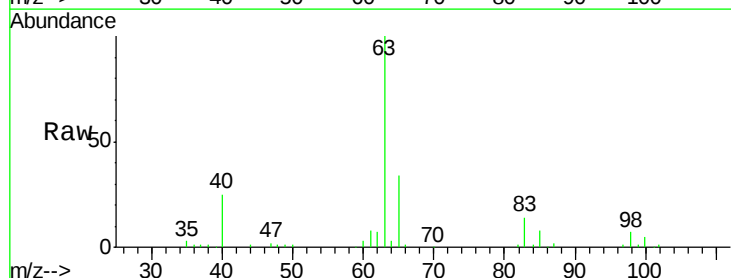
Tgt Ion: 63 Resp: 74877

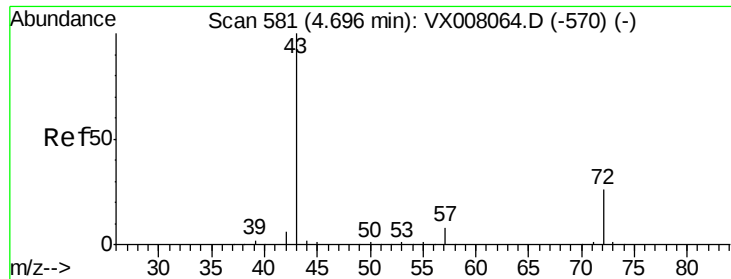
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 85.506 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tot Ion: 43 Resp: 166953

Ion Ratio Lower Upper

43 100

72 27.8 19.9 29.9

Instrument :

MSVOA_X

ClientSampleId :

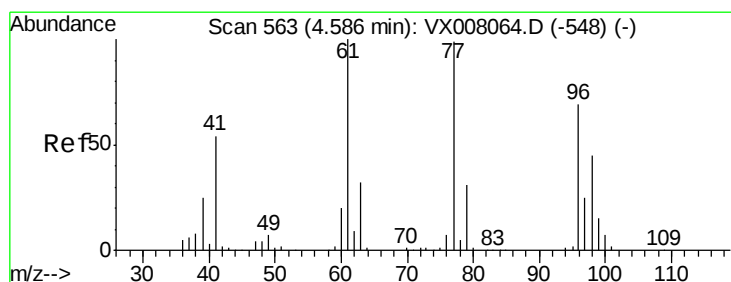
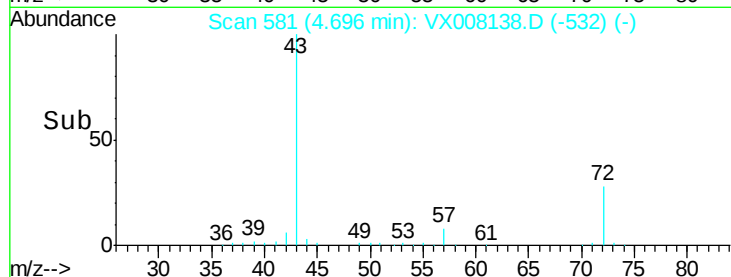
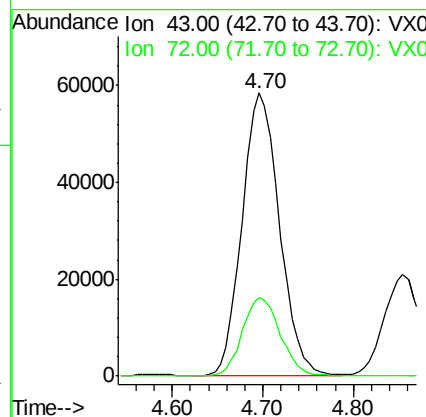
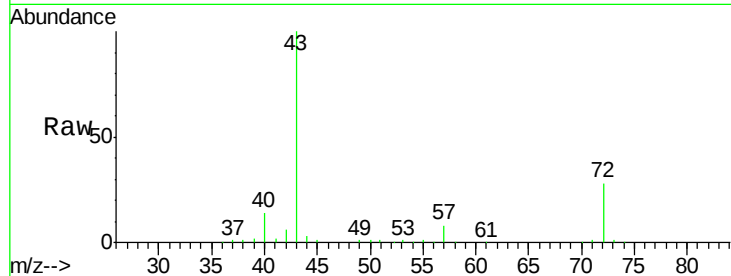
VX0316WBSD01

Manual Integrations

APPROVED

MMDadoda

3/18/2019 10:36:59 AM



#26

2,2-Dichloropropane

Concen: 18.047 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008138.D

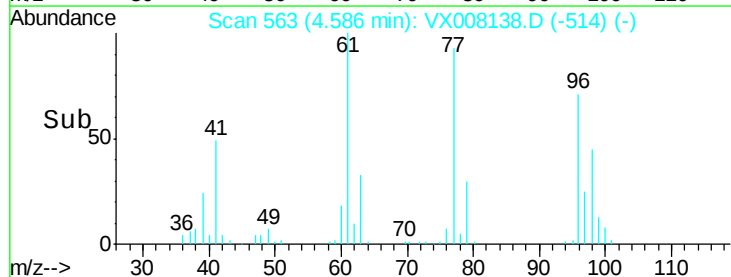
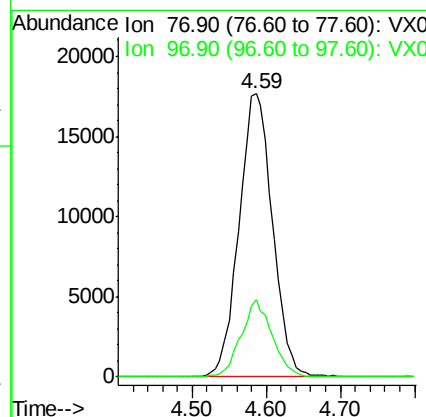
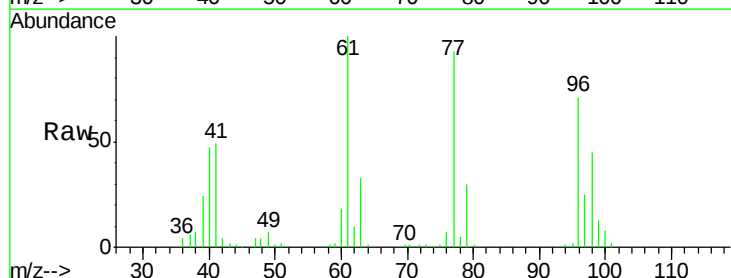
Acq: 16 Mar 2019 14:01

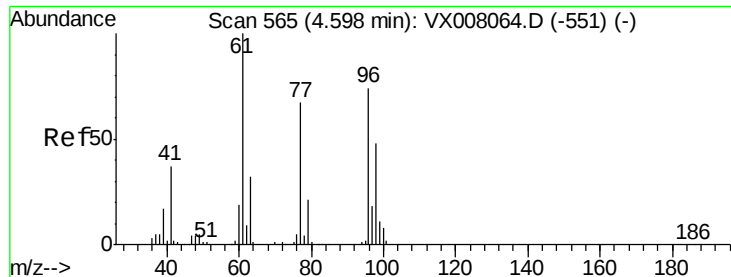
Tgt Ion: 77 Resp: 55715

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

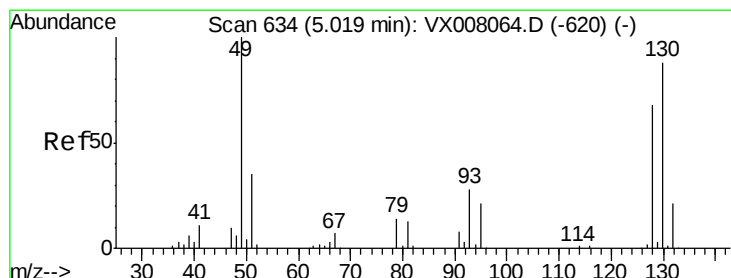
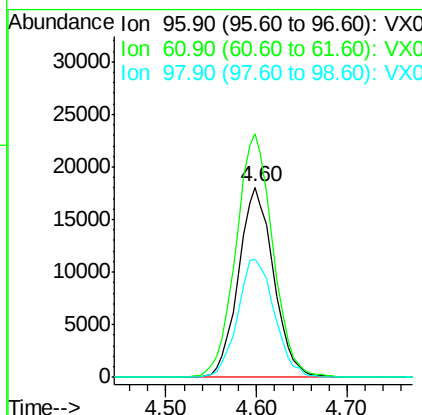
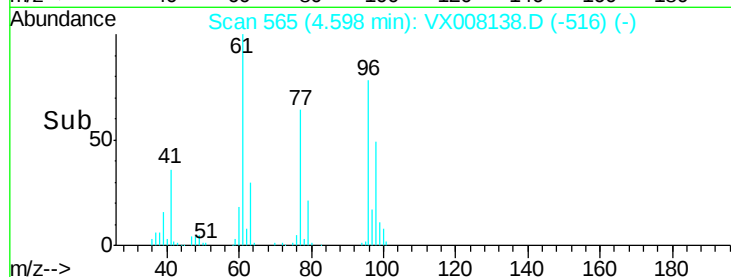
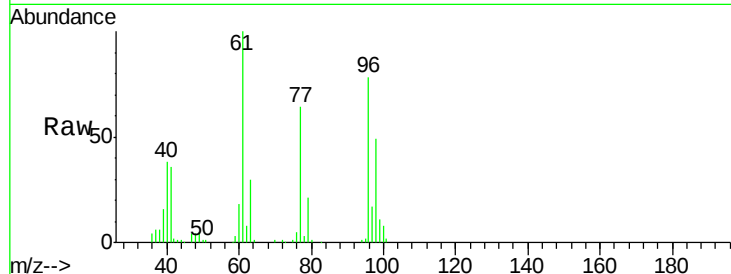
cis-1,2-Dichloroethene
Concen: 18.593 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	288.0
98	65.0	0.0	129.0

Manual Integrations
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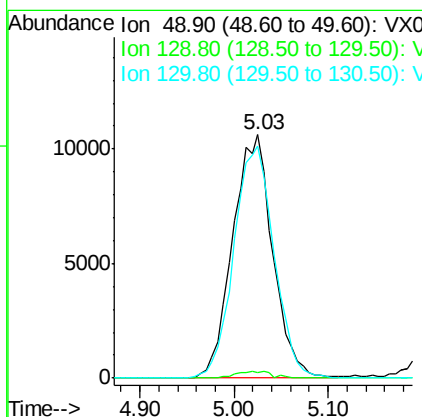
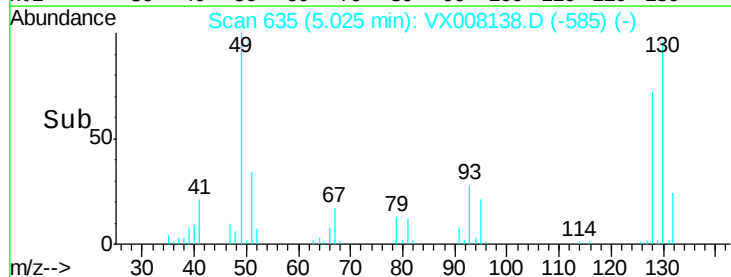
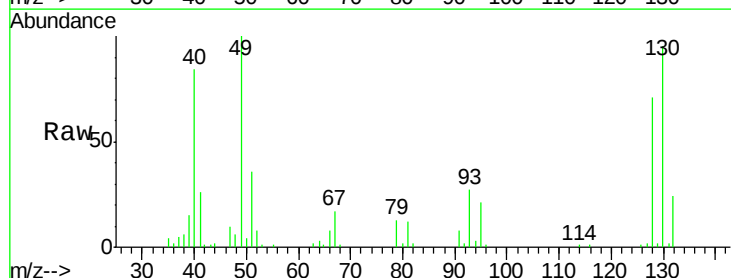
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3/18/2019 10:36:59 AM

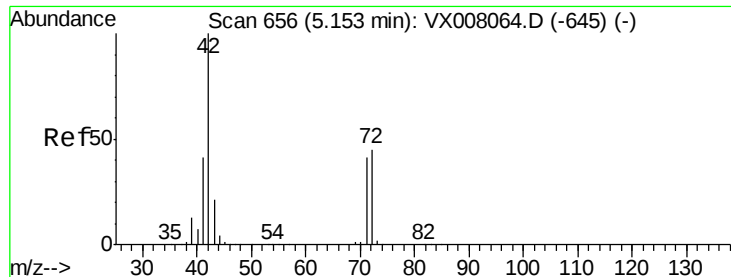


#28

Bromochloromethane
Concen: 16.500 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	95.8	65.0	97.4





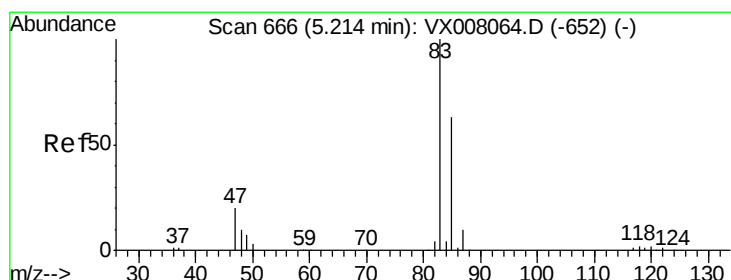
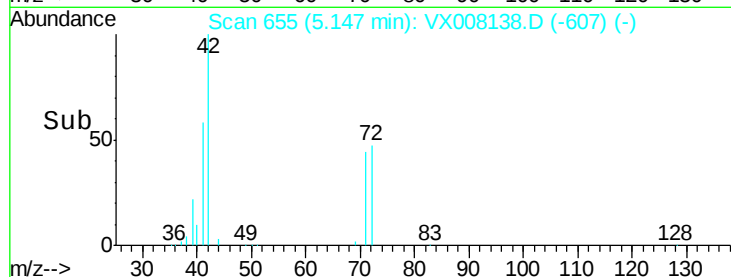
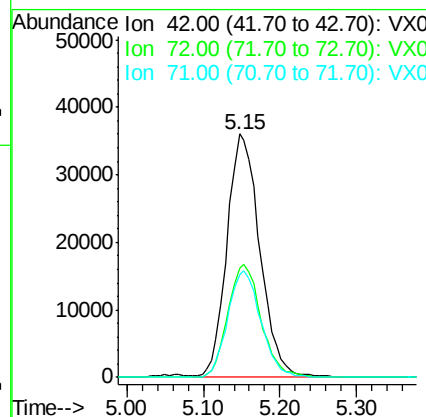
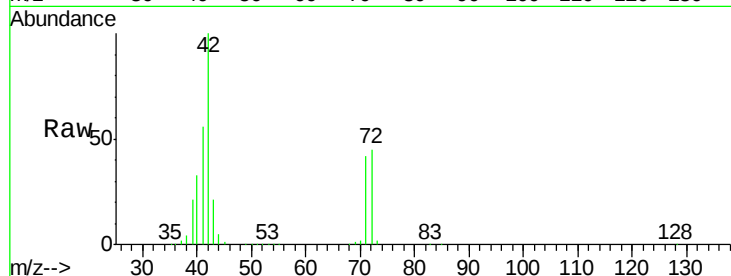
#29
Tetrahydrofuran
Concen: 87.518 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	33.8	50.6
71	44.3	31.5	47.3

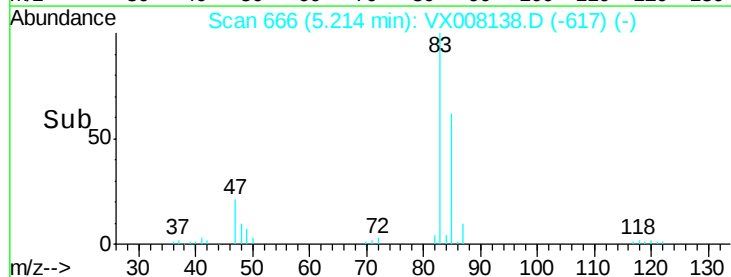
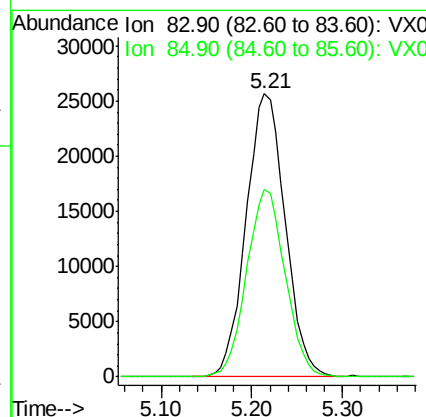
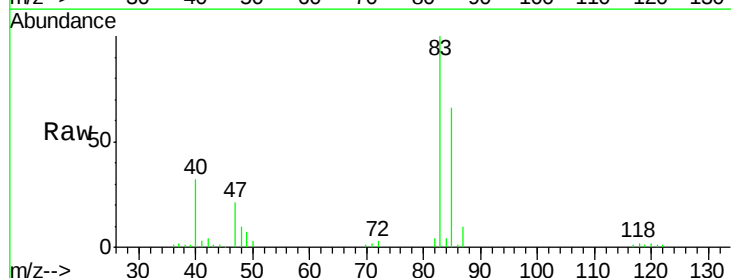
Manual Integrations
APPROVED

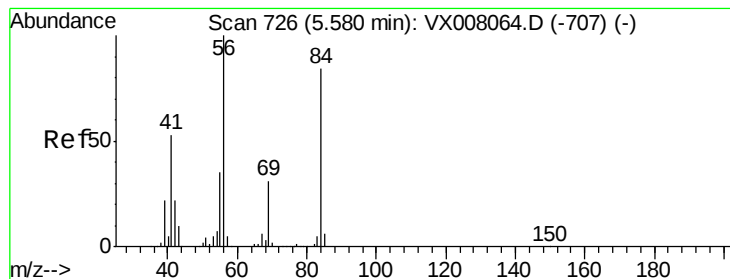
MMDadoda
3/18/2019 10:36:59 AM



#30
Chloroform
Concen: 18.732 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6





#31

Cyclohexane

Concen: 17.835 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

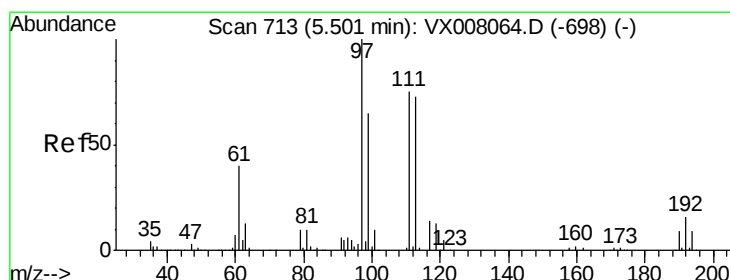
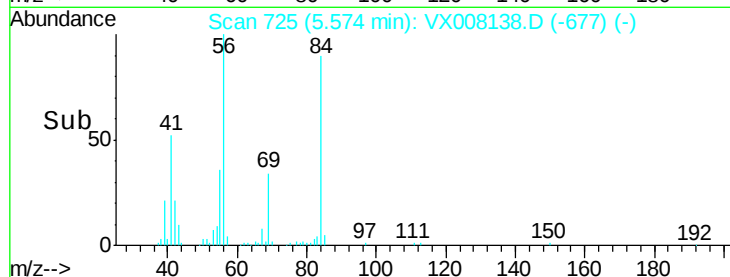
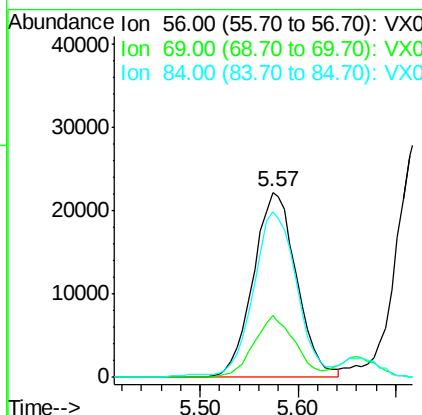
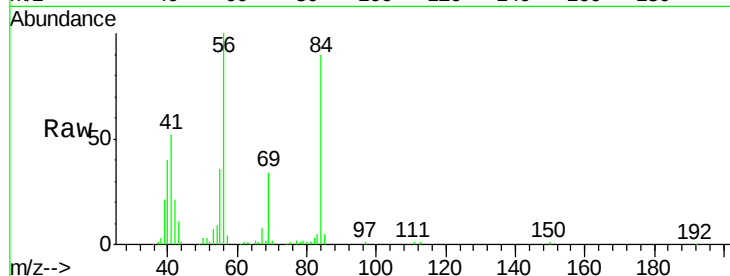
ClientSampleId :

VX0316WBSD01

Tot Ion:	56	Resp:	68712
Ion Ratio		Lower	Upper
56	100		
69	33.7	24.0	36.0
84	88.2	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.241 ug/l

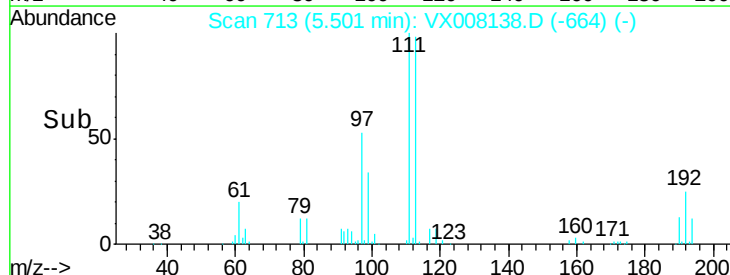
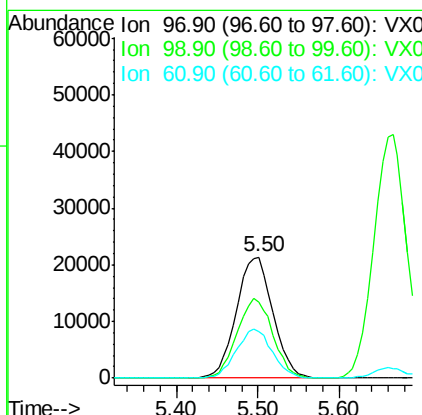
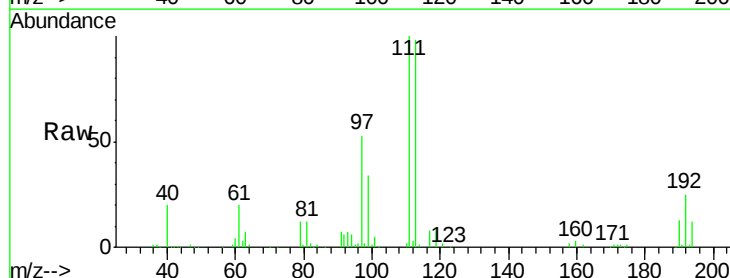
RT: 5.50 min Scan# 713

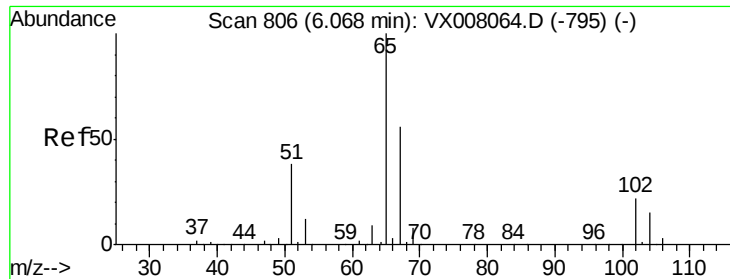
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	97	Resp:	66340
Ion Ratio		Lower	Upper
97	100		
99	64.3	52.2	78.2
61	39.9	34.9	52.3





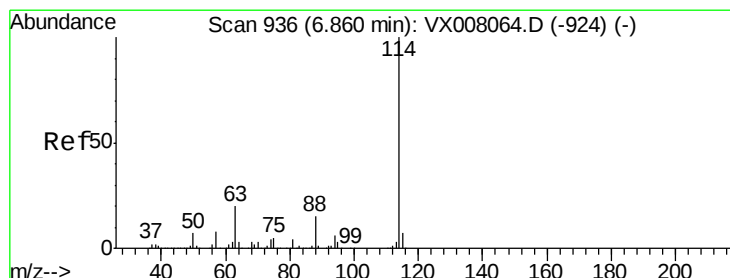
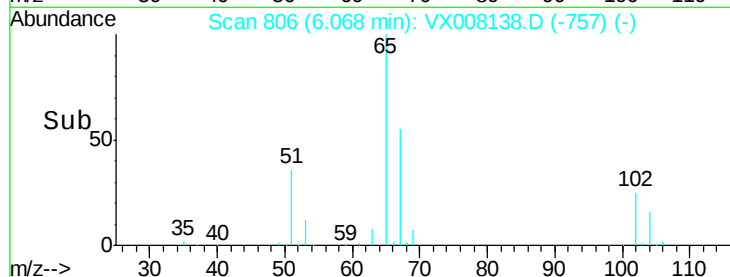
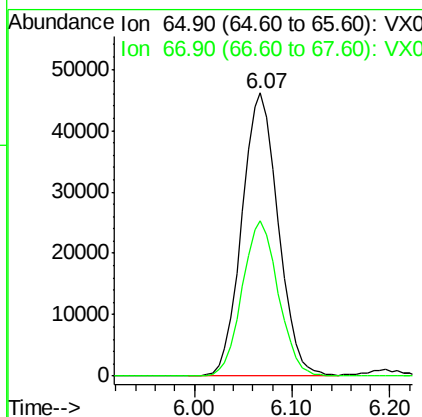
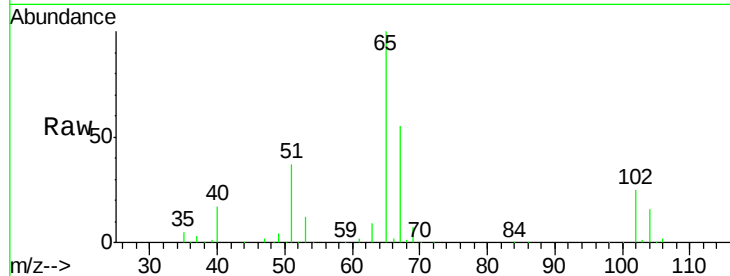
#33
 1,2-Dichloroethane-d4
 Concen: 44.073 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.0

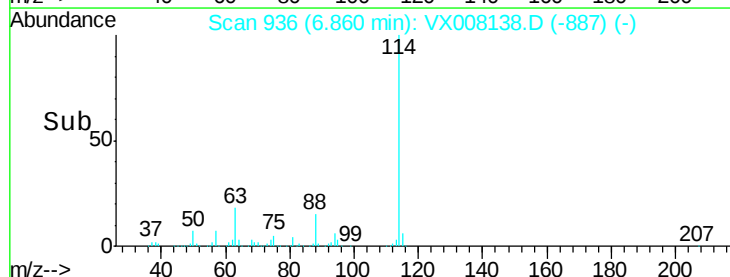
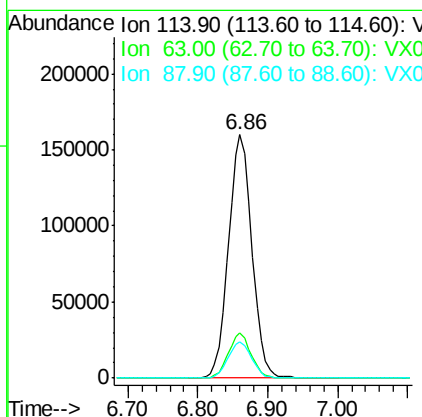
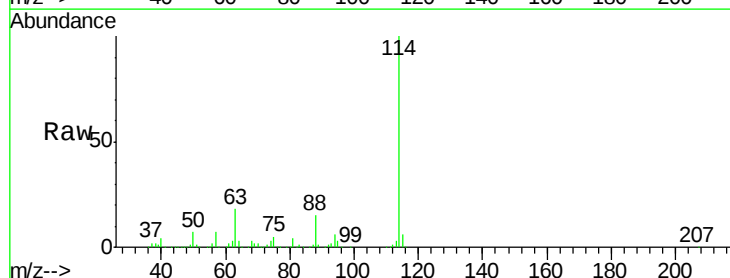
Manual Integrations
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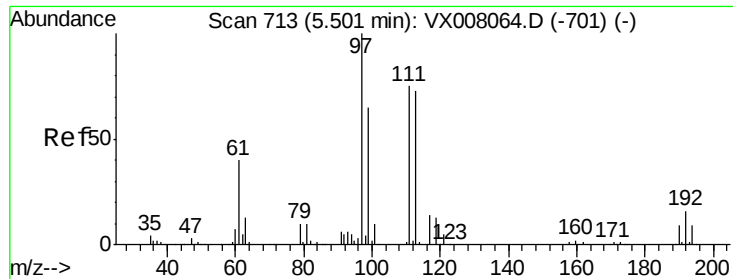
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 3/18/2019 10:36:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	39.8
88	14.9	0.0	31.4





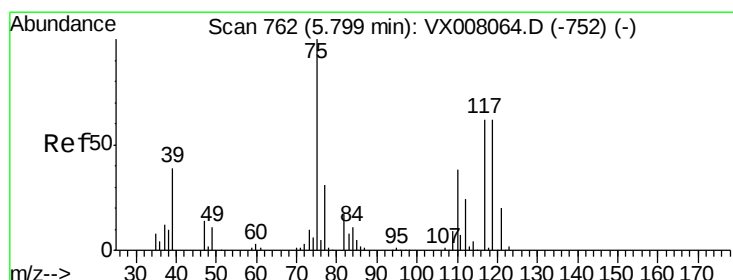
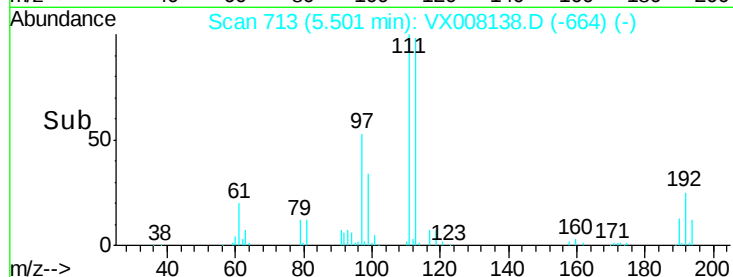
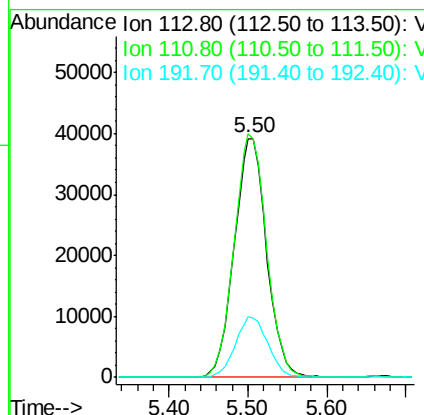
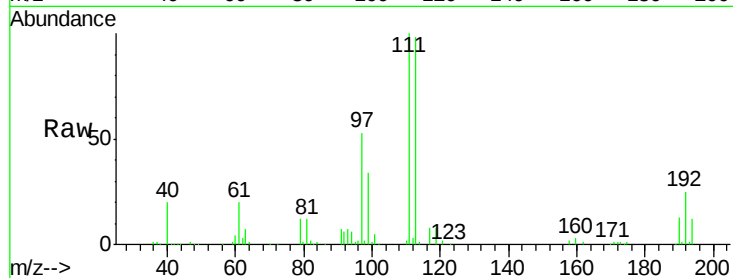
#35
Dibromofluoromethane
Concen: 47.339 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111546		
111	102.0	81.4	122.0	
192	25.6	19.4	29.0	

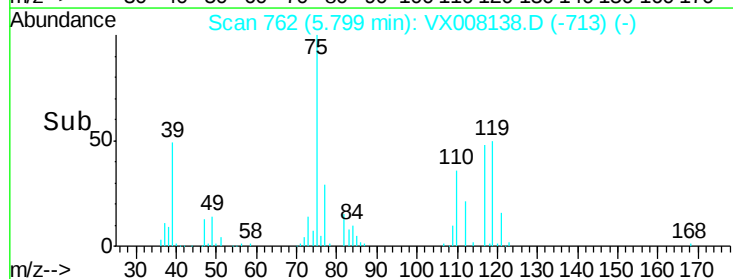
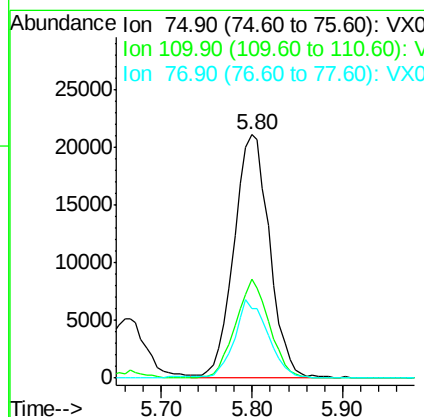
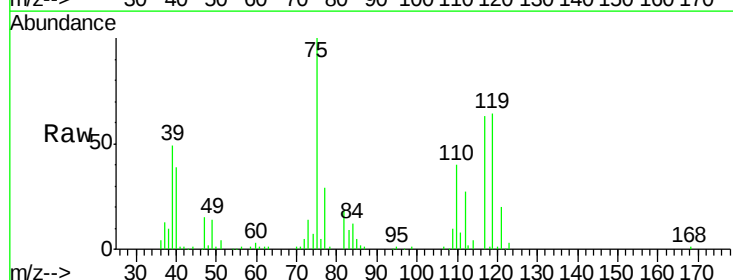
Manual Integrations
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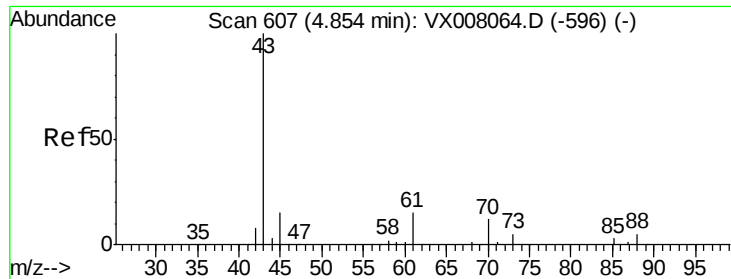
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#36
1,1-Dichloropropene
Concen: 18.628 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56942		
110	39.0	18.4	55.0	
77	30.5	25.0	37.4	





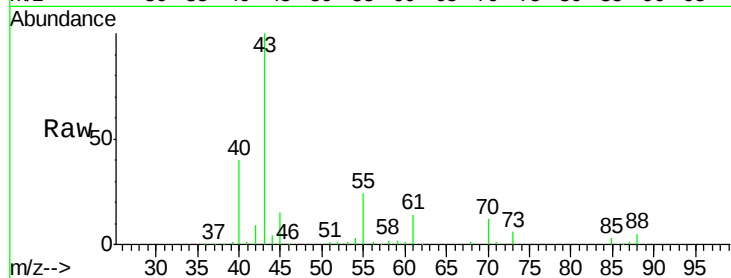
#37
Ethyl Acetate
Concen: 18.394 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	12.5	8.5	12.7

Manual Integrations
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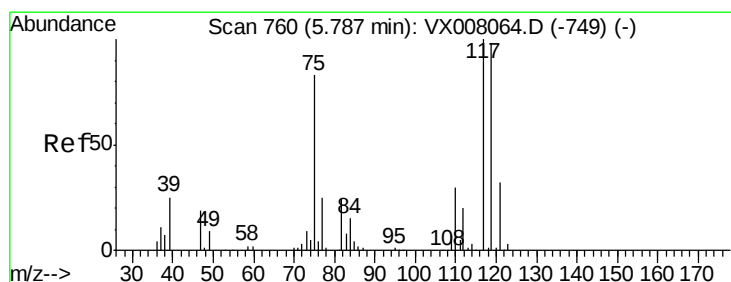
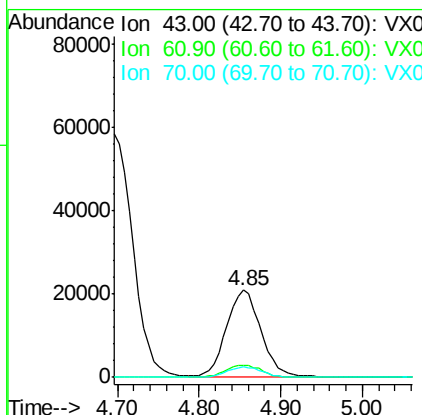
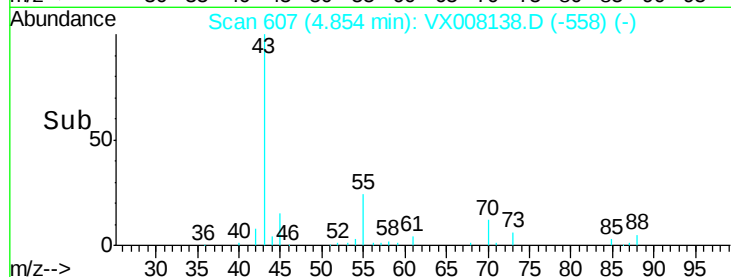
MMDadoda
3/18/2019 10:36:59 AM



Abundance

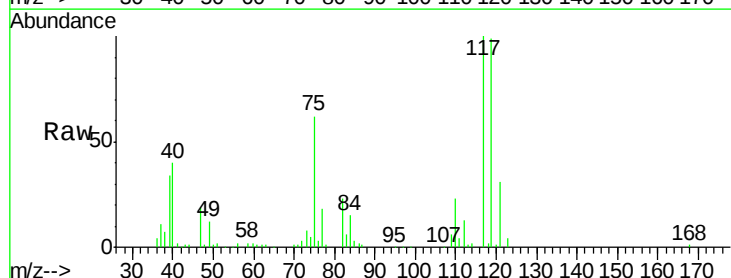
Ion 43.00 (42.70 to 43.70): VX008138.D (-558) (-)

Time-->



#38
Carbon Tetrachloride
Concen: 19.507 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

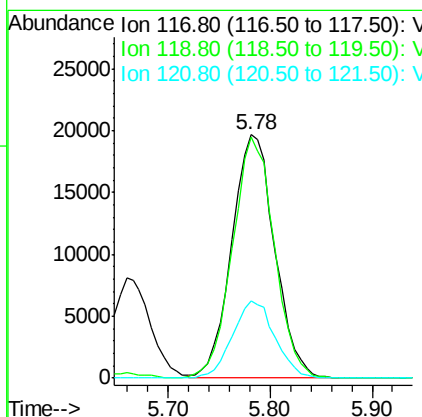
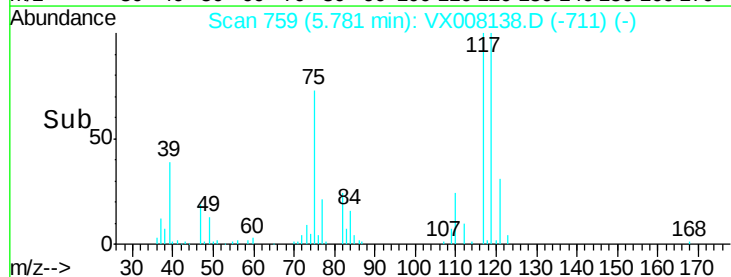
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.2
121	31.5	24.6	36.8

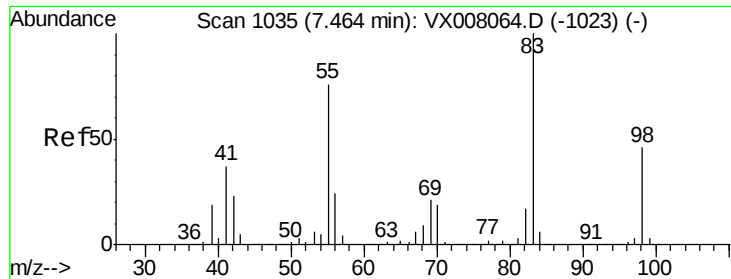


Abundance

Ion 116.80 (116.50 to 117.50): VX008138.D (-711) (-)

Time-->





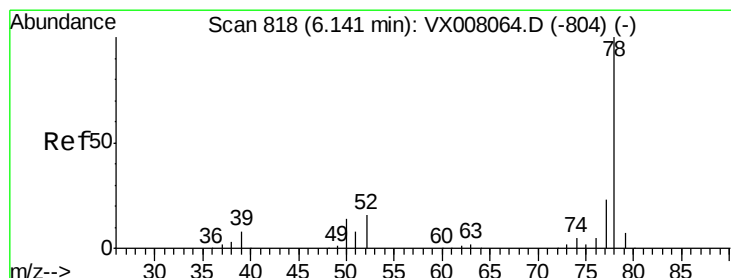
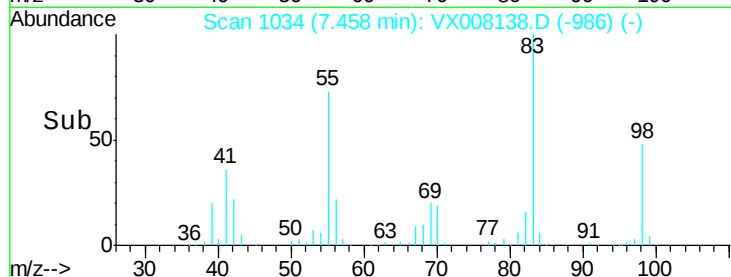
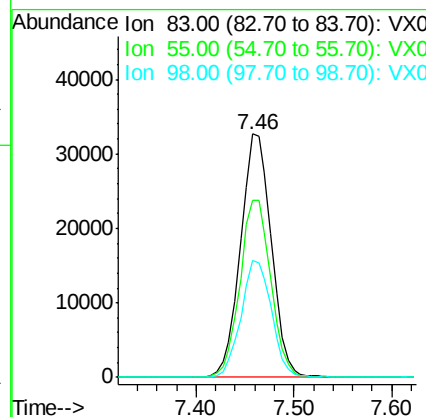
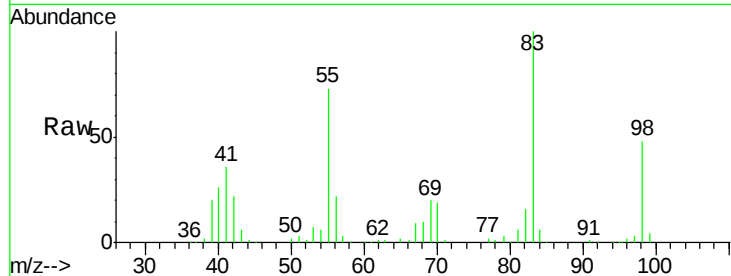
#39
Methylvlcyclohexane
Concen: 18.263 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	60.4	90.6
98	48.0	36.5	54.7

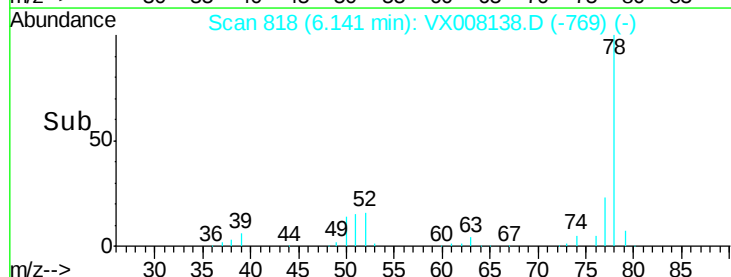
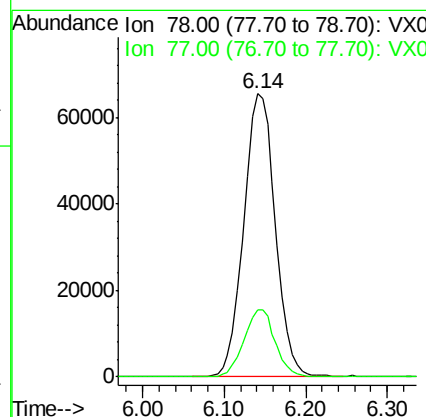
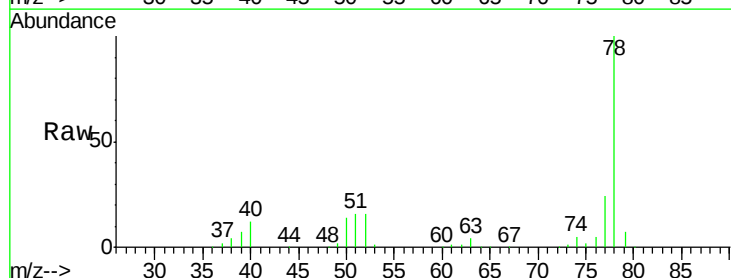
Manual Integrations
APPROVED

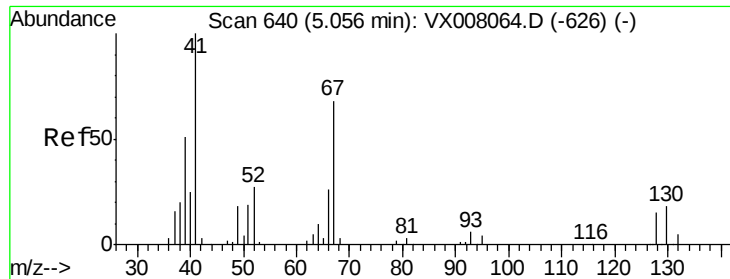
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#40
Benzene
Concen: 18.765 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





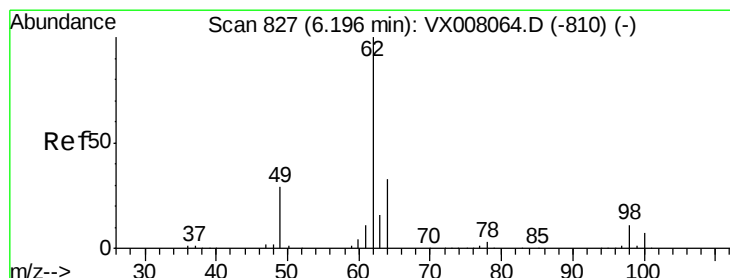
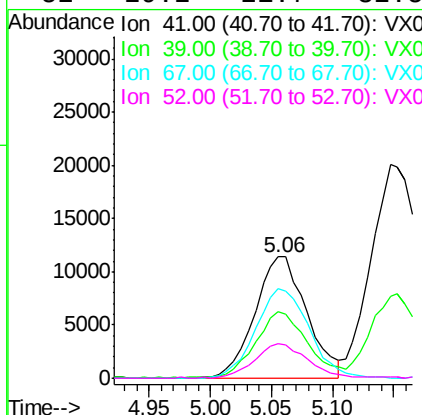
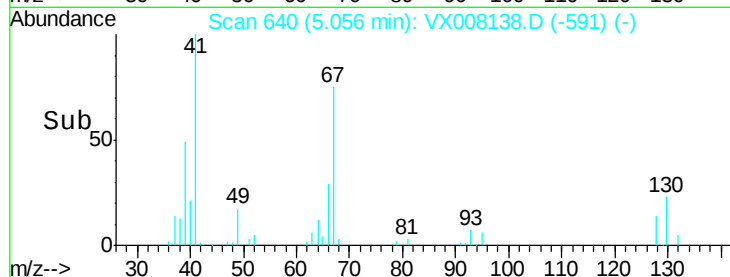
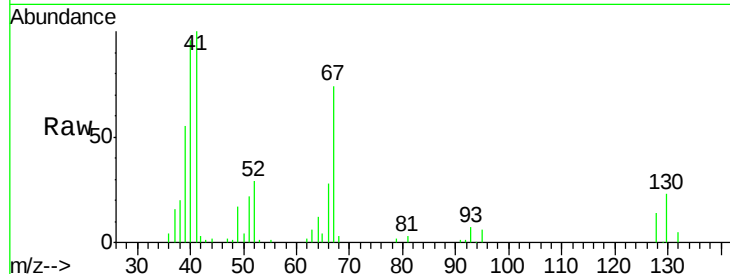
#41
Methacrylonitrile
Concen: 17.635 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	41.6	62.4	
67	76.5	55.8	83.6	
52	29.2	21.7	32.5	

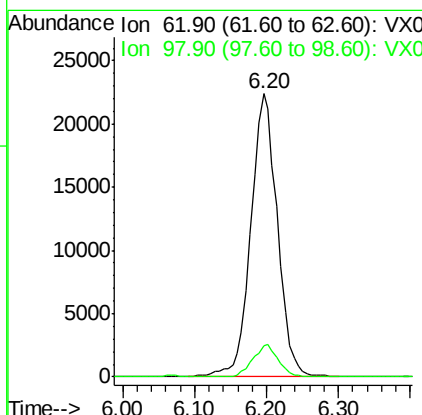
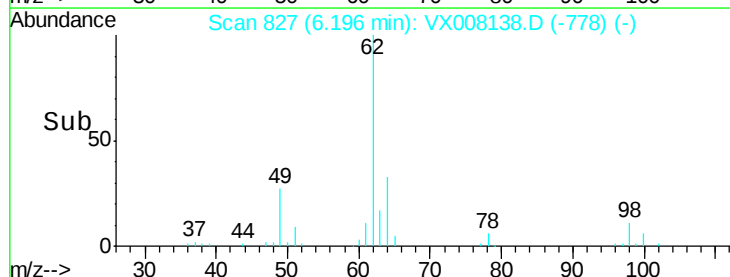
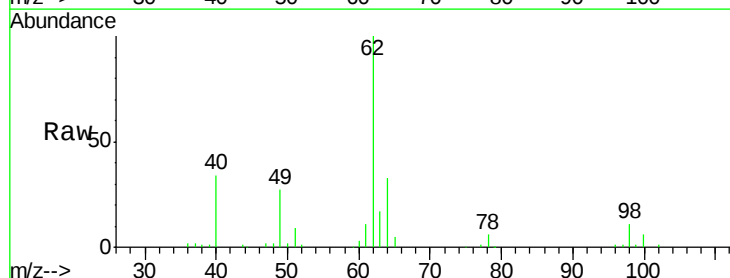
Manual Integrations
APPROVED

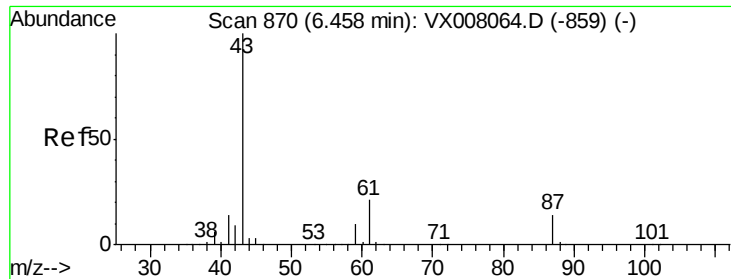
MMDadoda
3/18/2019 10:36:59 AM



#42
1,2-Dichloroethane
Concen: 19.190 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.4	





#43

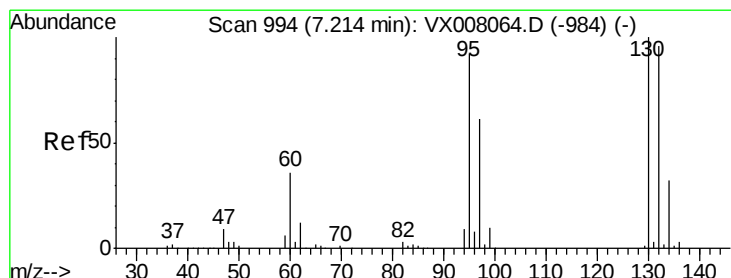
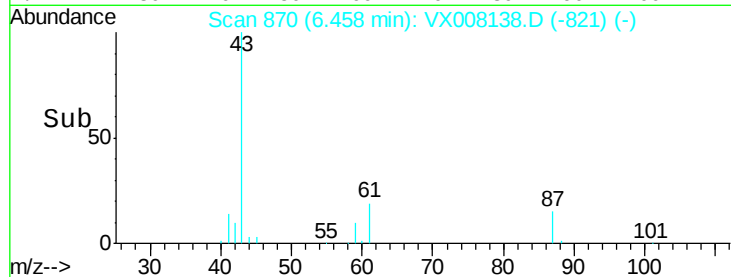
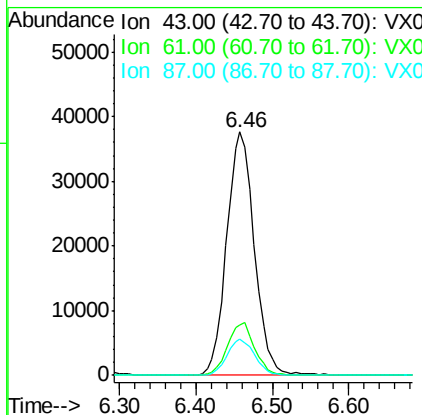
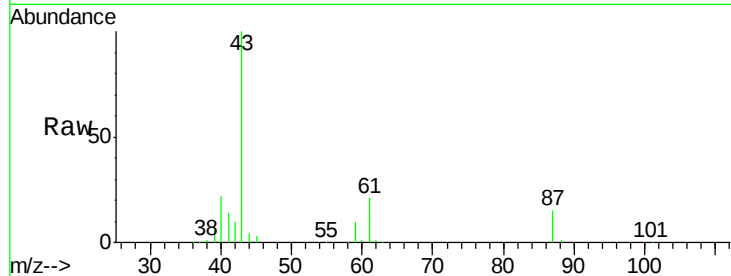
Isopropyl Acetate
 Concen: 17.792 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.3	24.5
87	14.9	10.5	15.7

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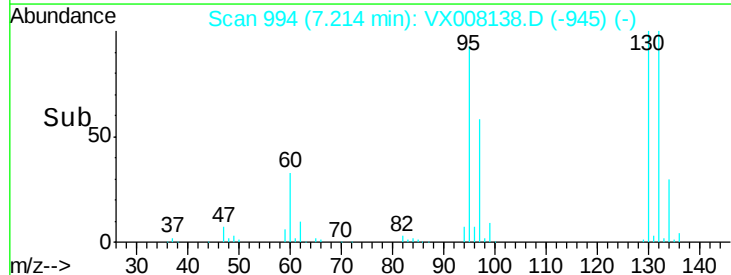
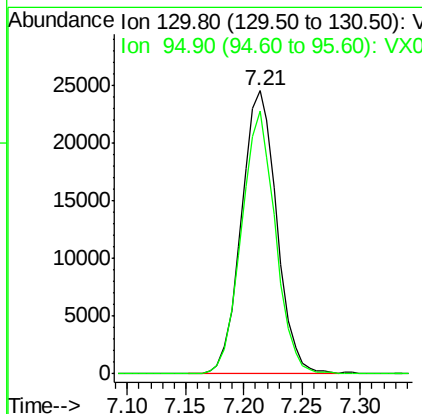
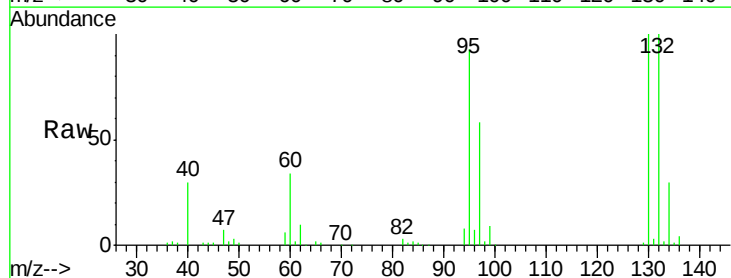
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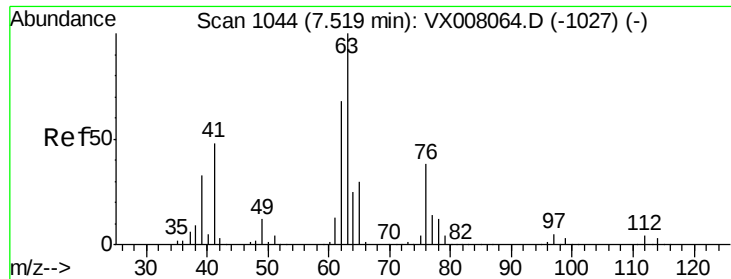


#44

Trichloroethene
 Concen: 19.230 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 18.313 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion: 63 Resp: 45243

Ion Ratio Lower Upper

63 100

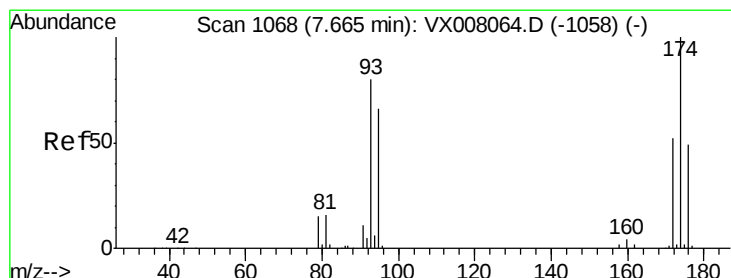
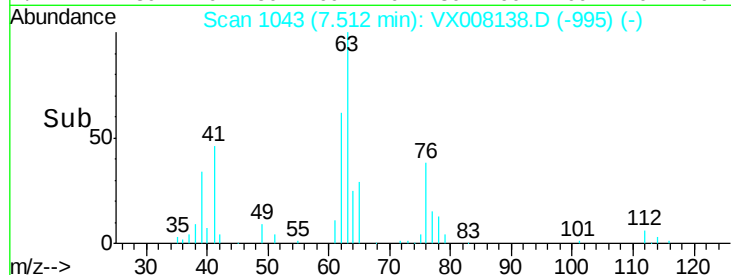
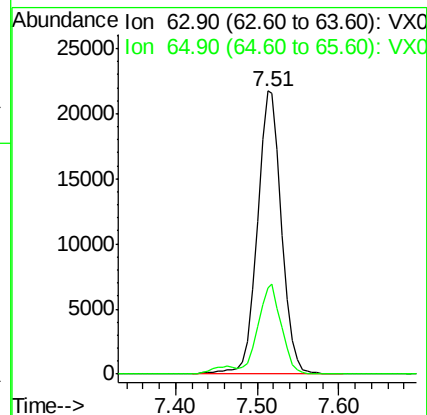
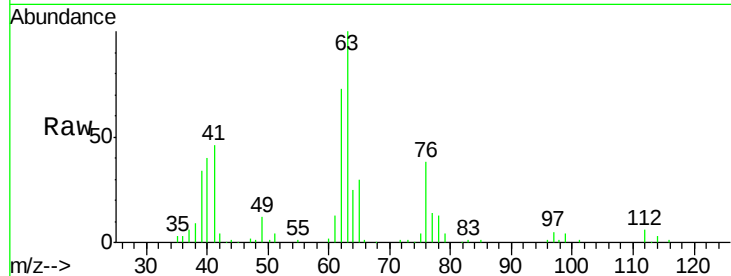
65 30.3 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.235 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

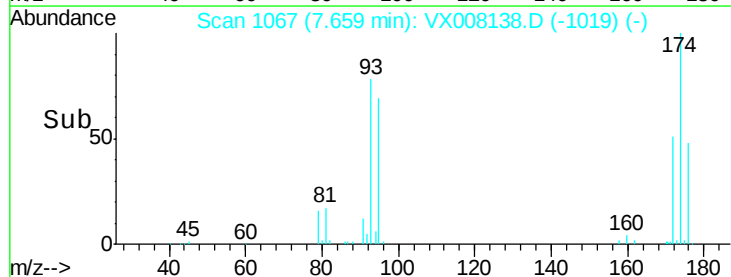
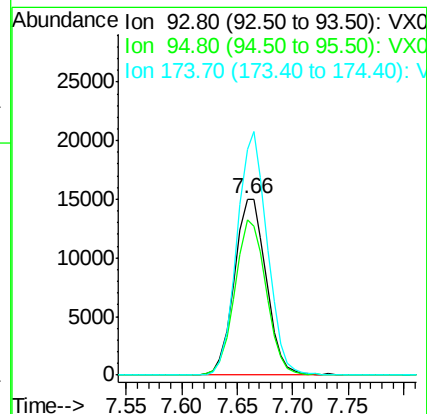
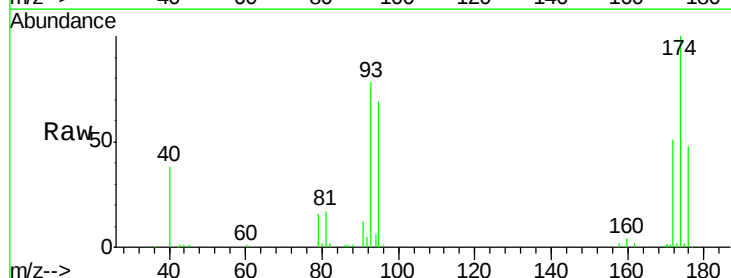
Tgt Ion: 93 Resp: 29785

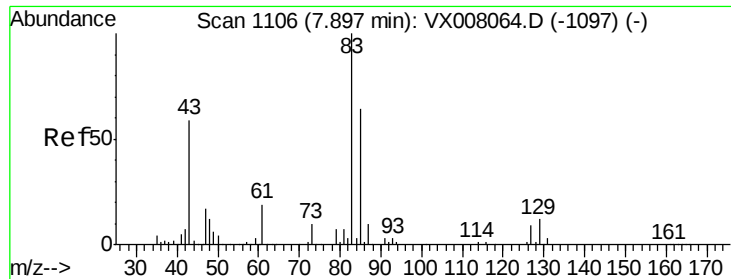
Ion Ratio Lower Upper

93 100

95 86.7 66.8 100.2

174 131.2 97.3 145.9





#47

Bromodichloromethane

Concen: 18.669 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

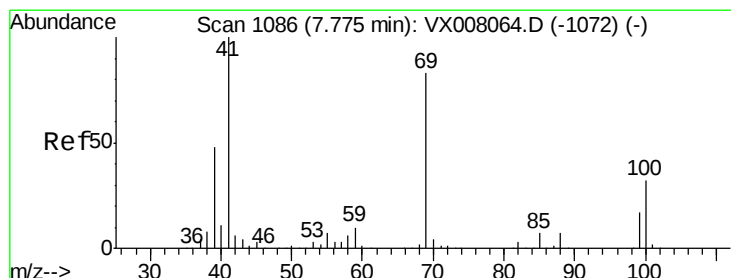
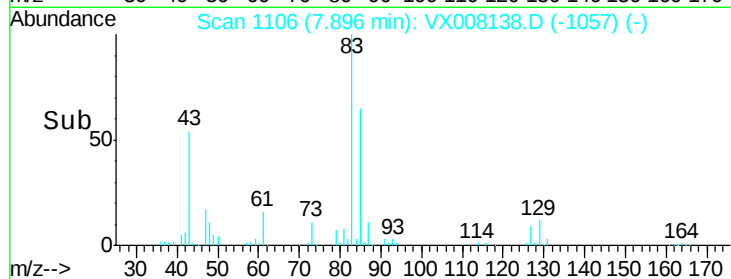
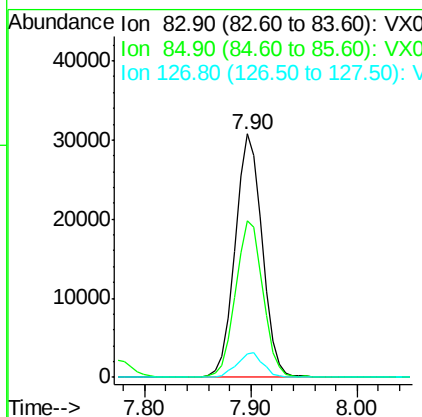
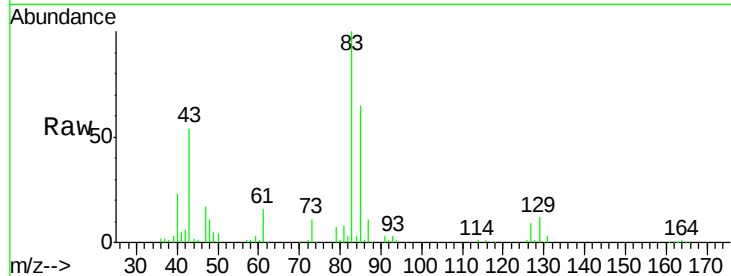
ClientSampleId :

VX0316WBSD01

Tot Ion:	83	Resp:	54979
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 17.651 ug/l

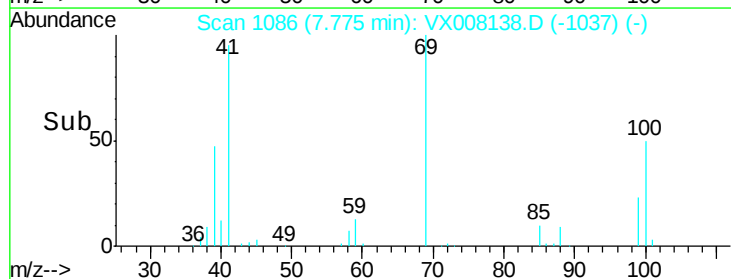
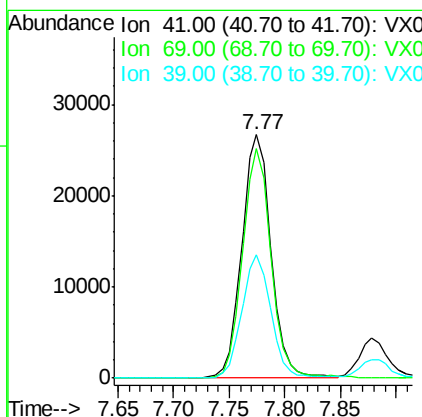
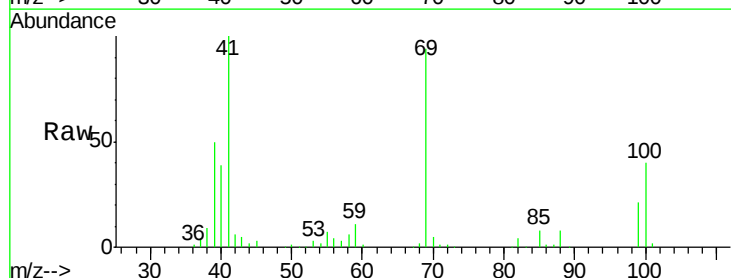
RT: 7.77 min Scan# 1086

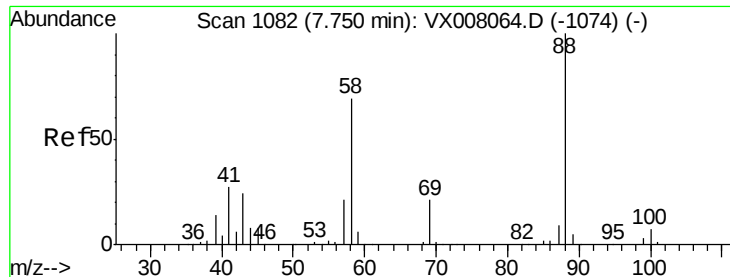
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	41	Resp:	48775
Ion	Ratio	Lower	Upper
41	100		
69	91.8	65.2	97.8
39	50.3	39.4	59.2





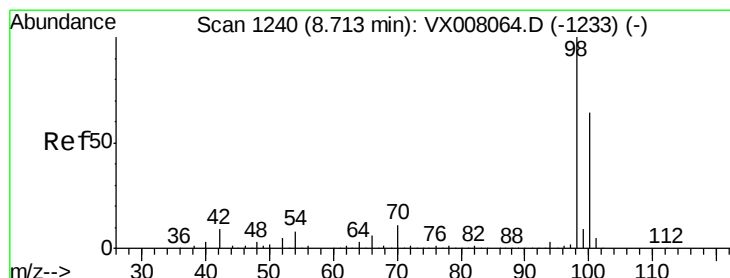
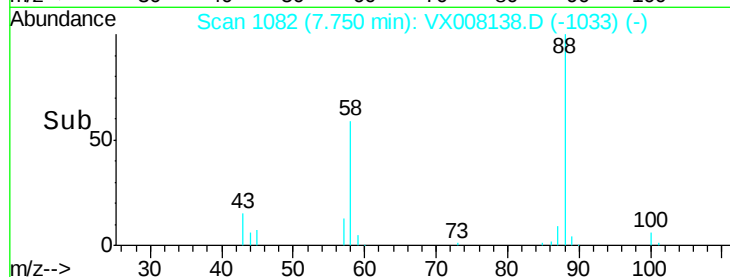
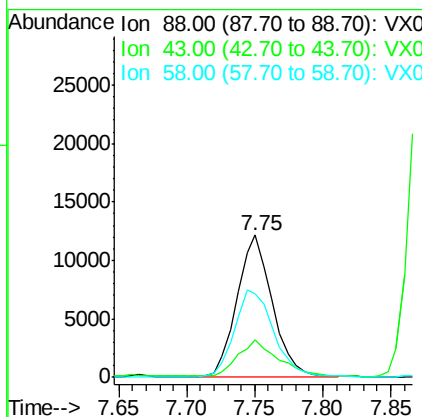
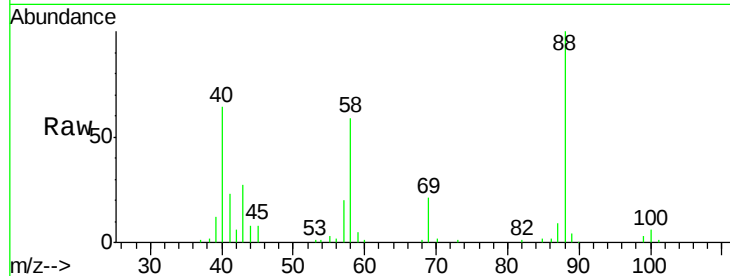
#49
1,4-Dioxane
Concen: 373.092 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.1	37.7
58	68.3	57.8	86.6

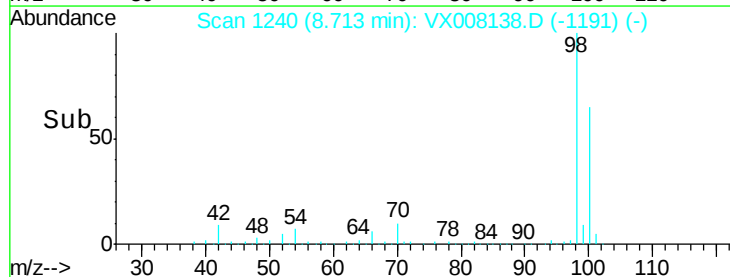
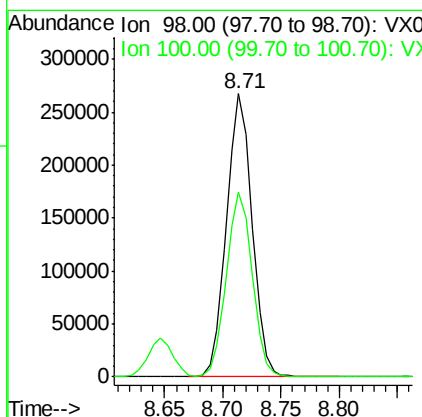
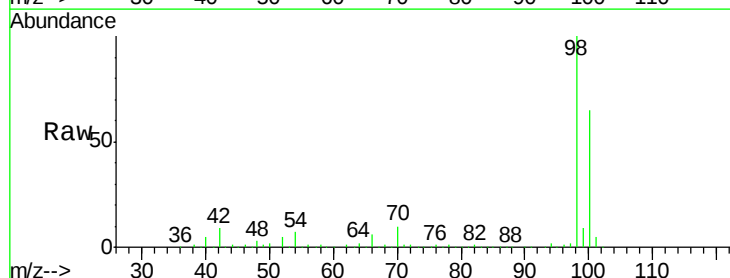
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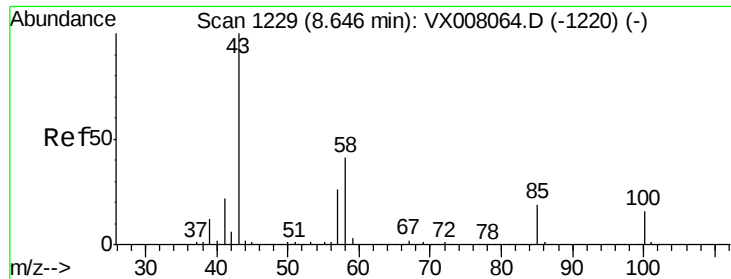
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#50
Toluene-d8
Concen: 45.698 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 89.179 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion: 43 Resp: 310976

Ion Ratio Lower Upper

43 100

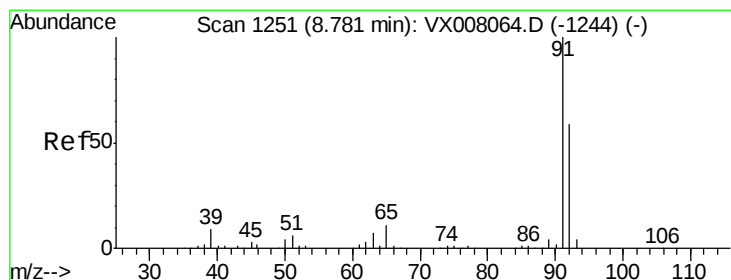
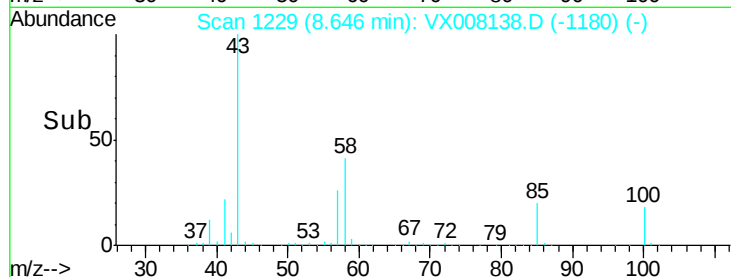
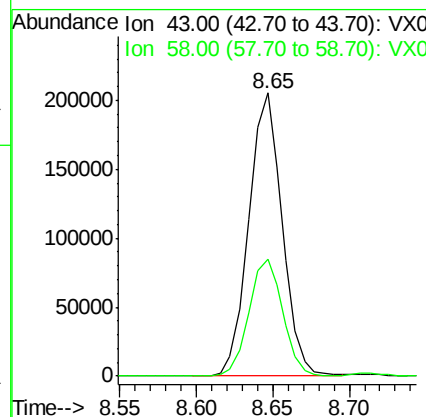
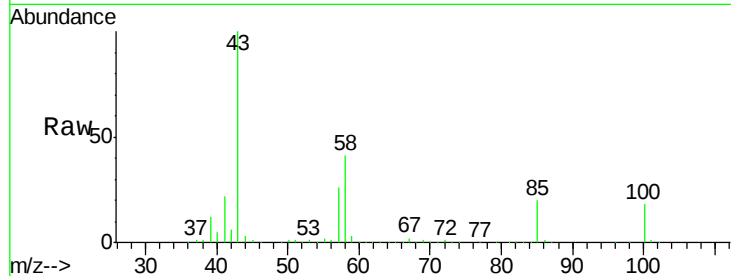
58 41.8 31.3 46.9

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#52

Toluene

Concen: 18.879 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008138.D

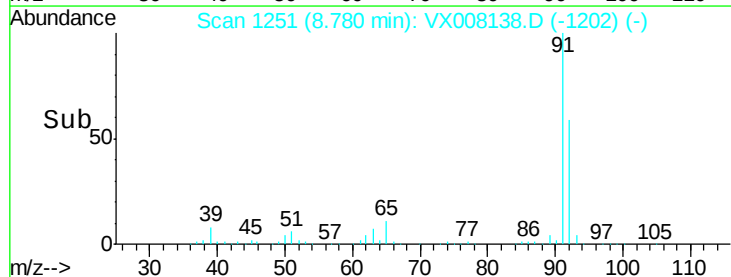
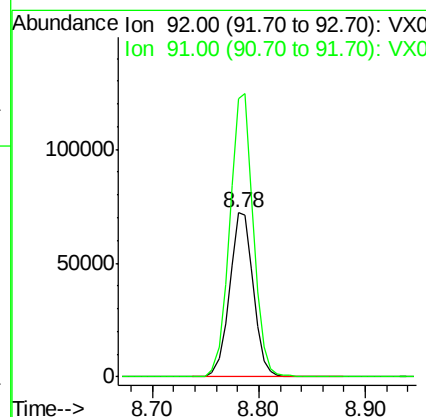
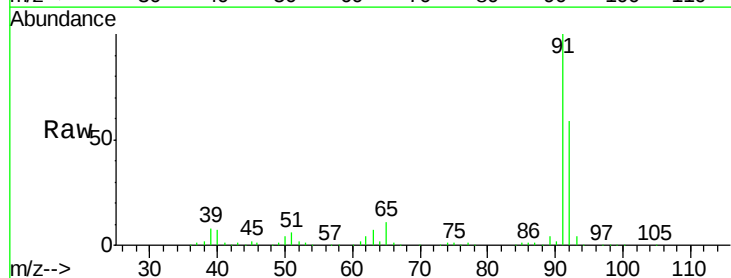
Acq: 16 Mar 2019 14:01

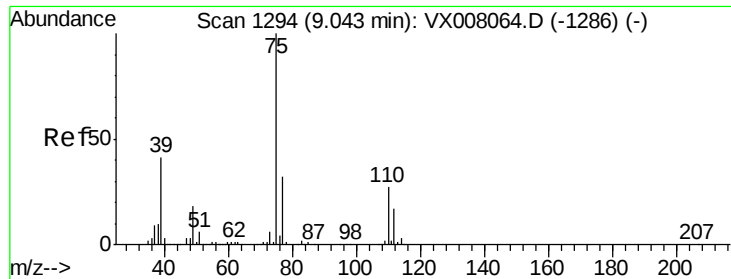
Tgt Ion: 92 Resp: 112379

Ion Ratio Lower Upper

92 100

91 171.7 137.4 206.0





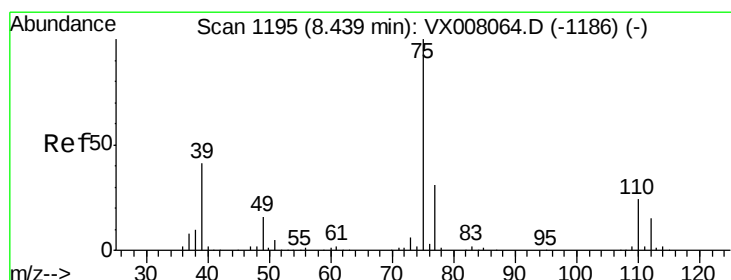
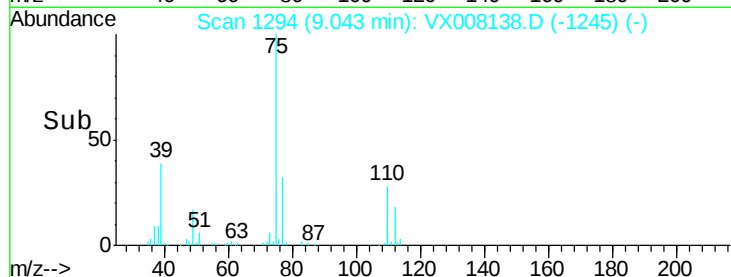
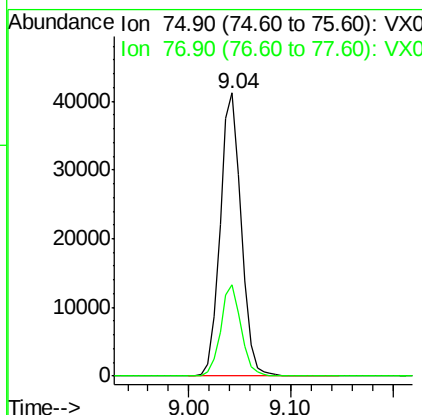
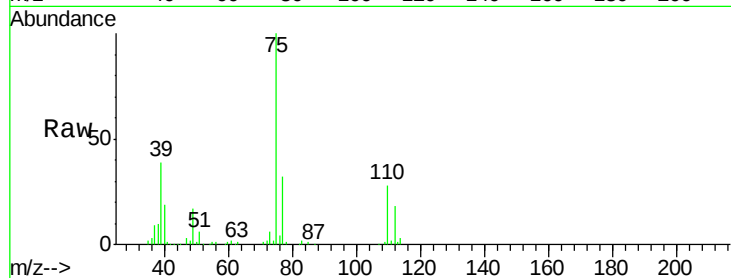
#53
 t-1,3-Dichloropropene
 Concen: 18.408 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion: 75 Resp: 59425
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0

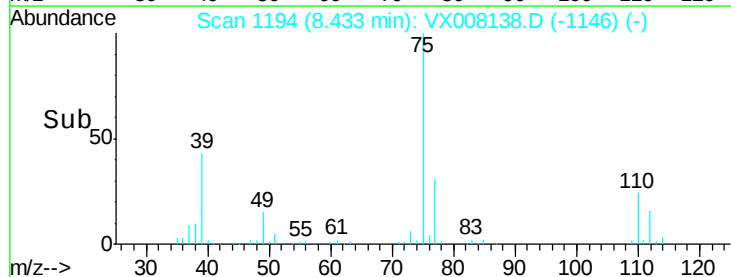
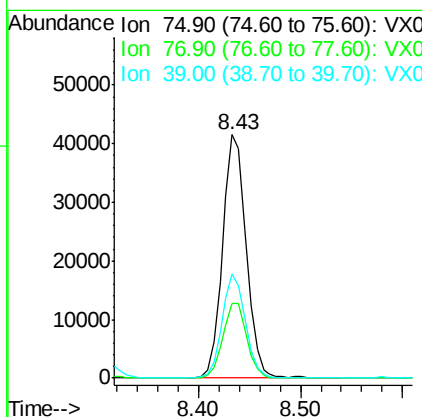
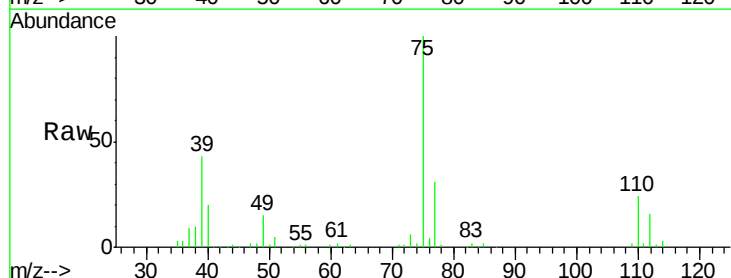
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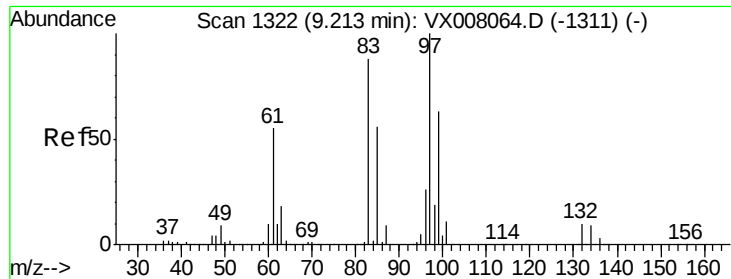
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#54
 cis-1,3-Dichloropropene
 Concen: 18.594 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion: 75 Resp: 66711
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.6
 39 42.6 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 19.183 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

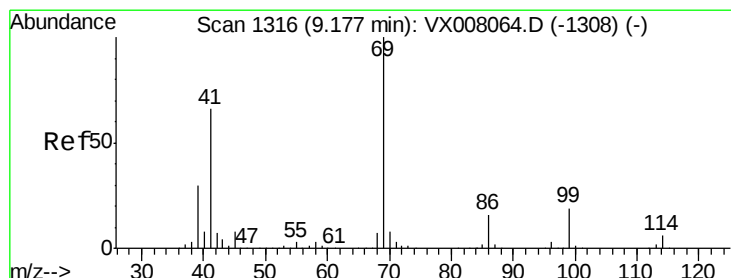
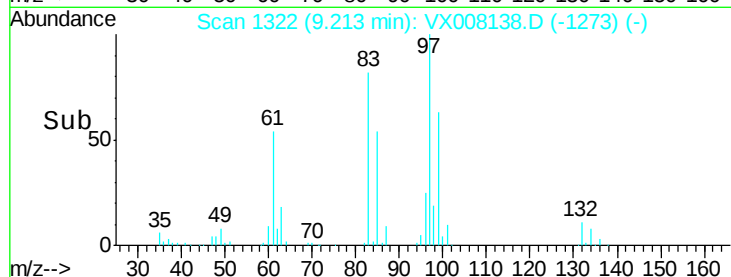
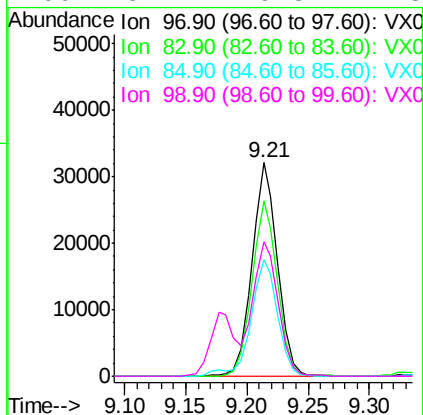
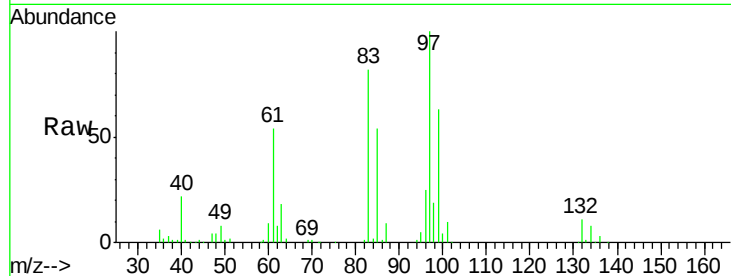
ClientSampleId :

VX0316WBSD01

Tot Ion:	97	Resp:	46496
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.1	103.7
85	54.3	44.3	66.5
99	62.7	49.8	74.8

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#56

Ethyl methacrylate

Concen: 18.452 ug/l

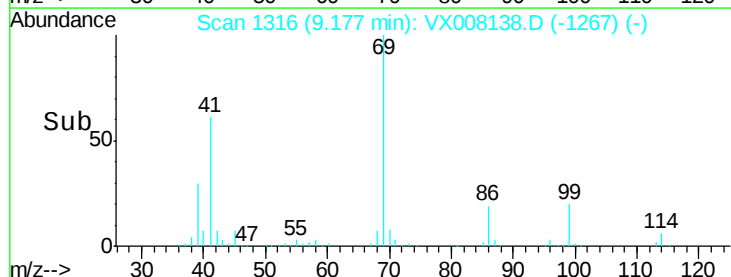
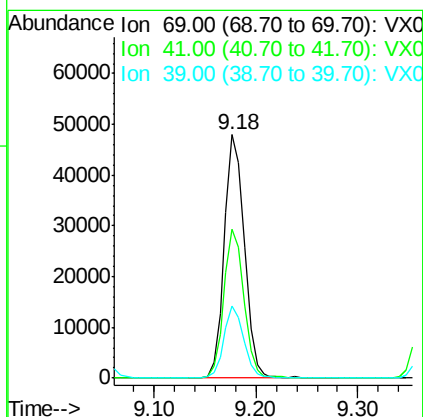
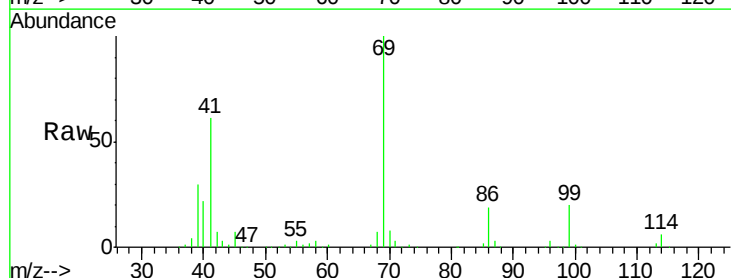
RT: 9.18 min Scan# 1316

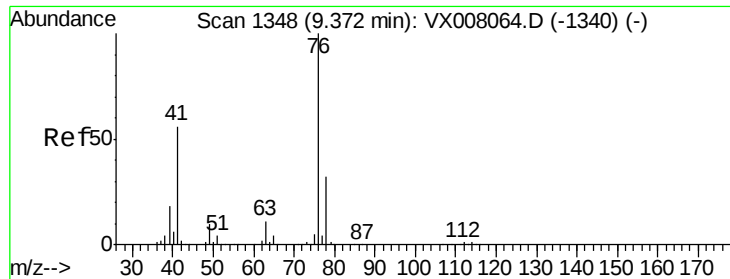
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	69	Resp:	66064
Ion	Ratio	Lower	Upper
69	100		
41	61.0	54.2	81.4
39	29.4	25.0	37.4





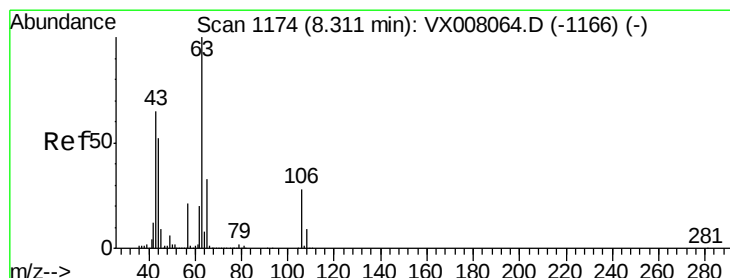
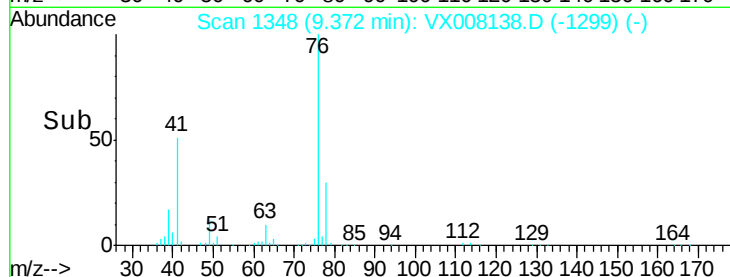
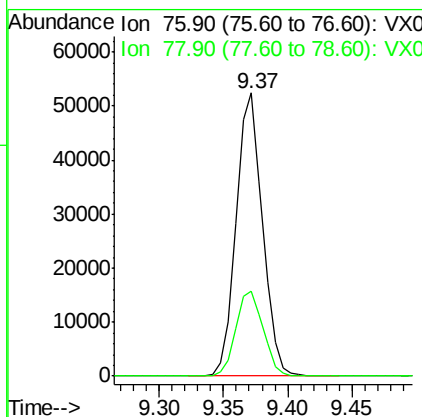
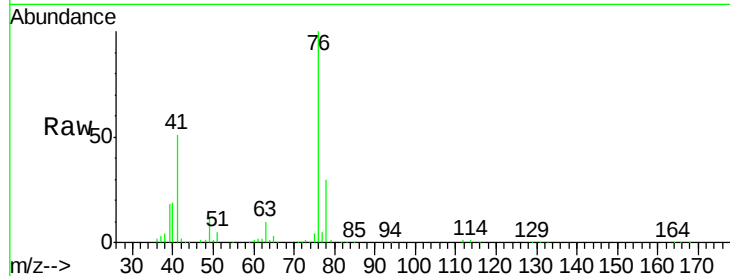
#57
 1,3-Dichloropropane
 Concen: 18.561 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion: 76 Resp: 74452
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.5 38.3

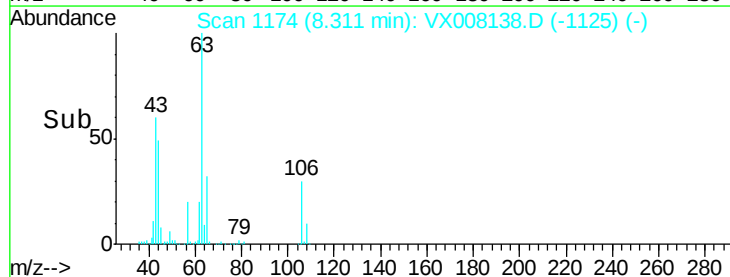
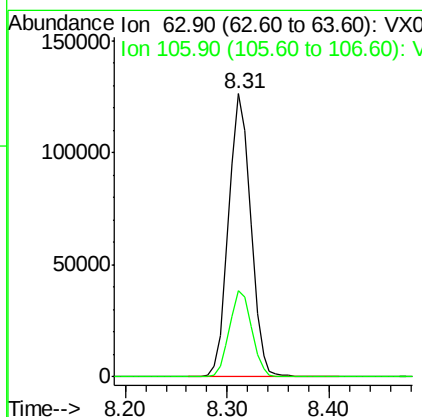
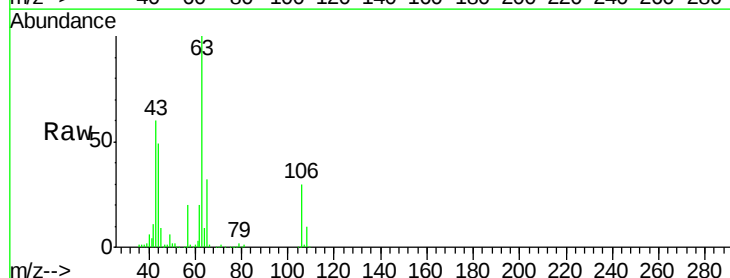
Manual Integrations
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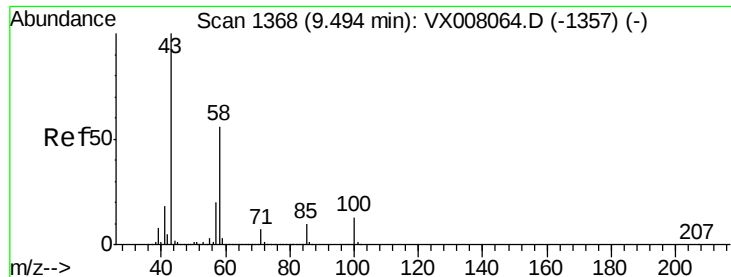
MMDadoda
 3/18/2019 10:36:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.451 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion: 63 Resp: 190517
 Ion Ratio Lower Upper
 63 100
 106 30.5 22.2 33.2





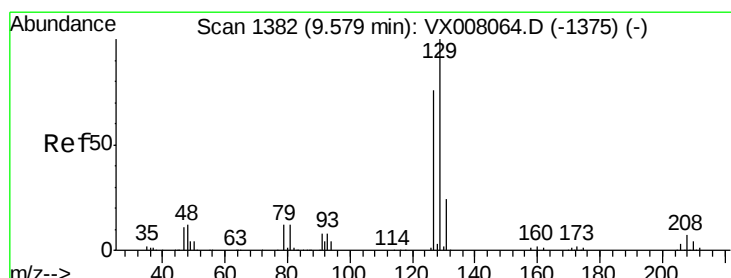
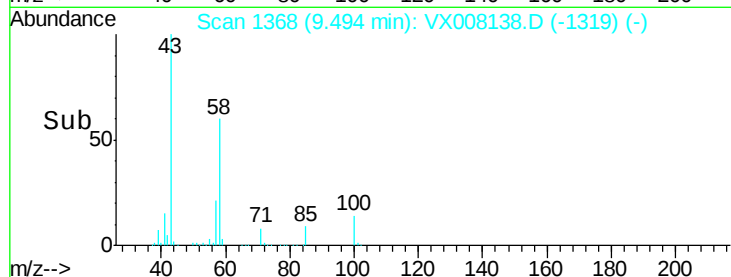
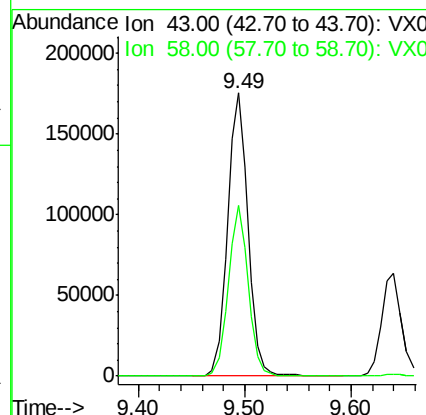
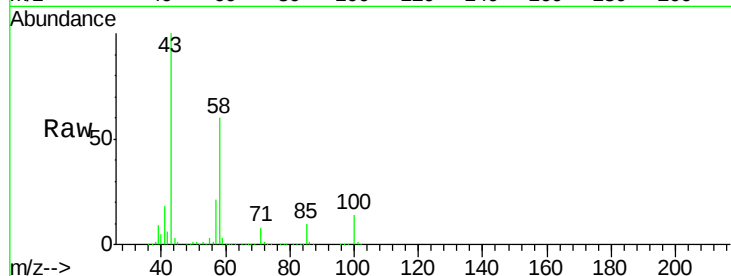
#59
2-Hexanone
Concen: 86.203 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.7	27.6	82.7

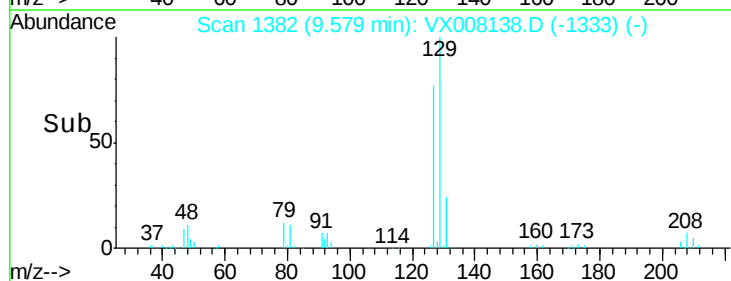
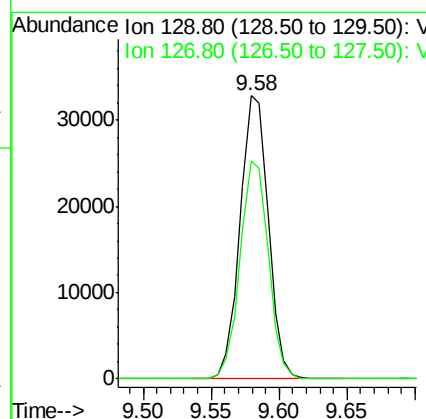
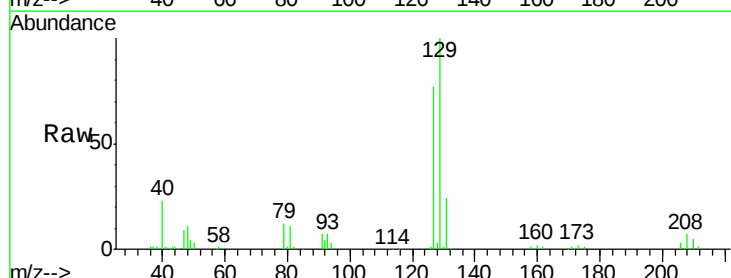
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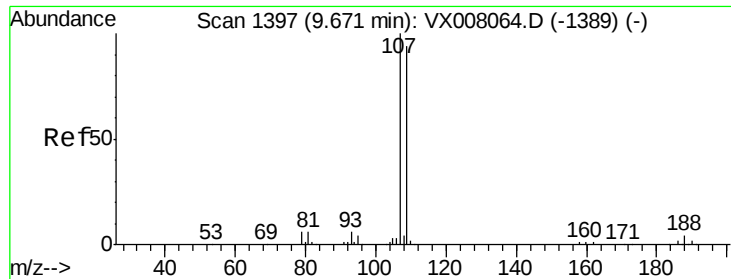
MMDadoda
3/18/2019 10:36:59 AM



#60
Dibromochloromethane
Concen: 19.071 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.8





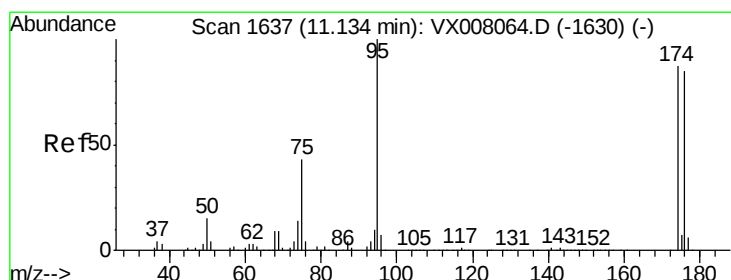
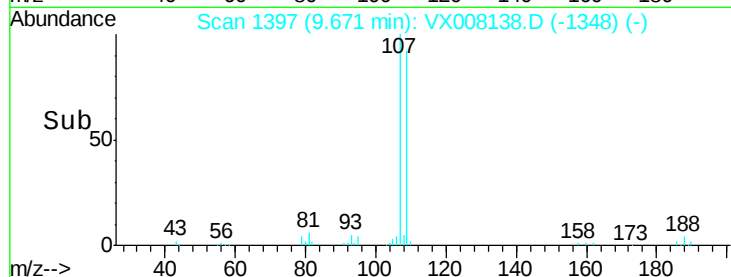
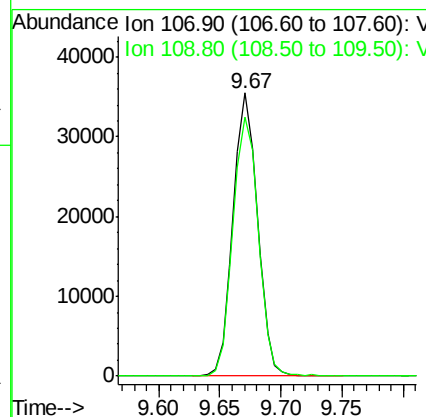
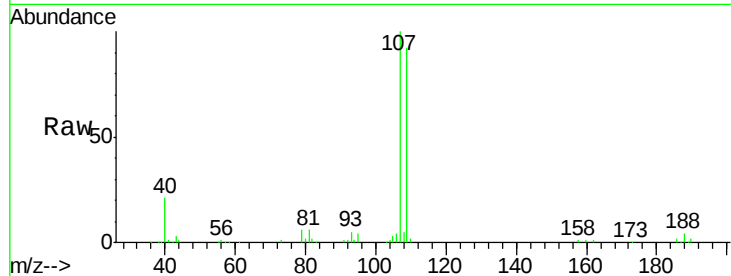
#61
 1,2-Dibromoethane
 Concen: 19.391 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion:107 Resp: 49247
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.8 113.8

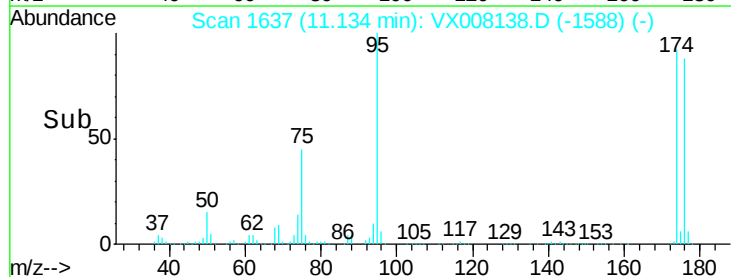
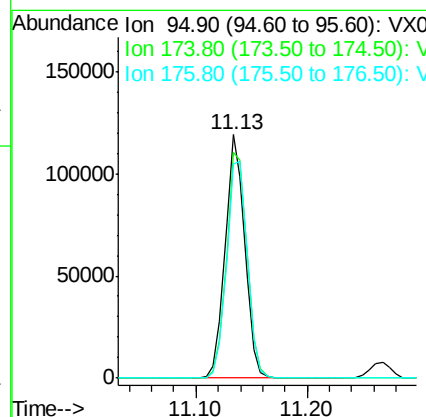
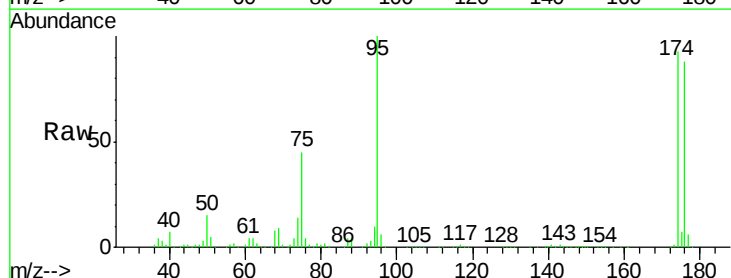
Manual Integrations
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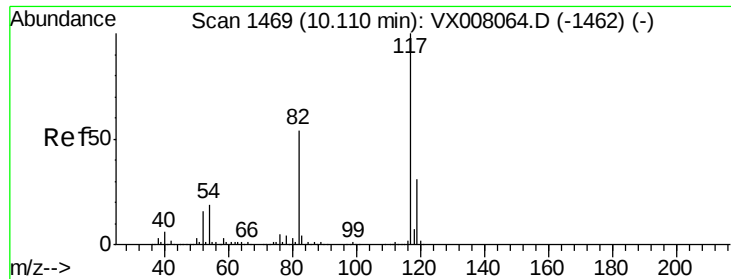
MMDadoda
 3/18/2019 10:36:59 AM



#62
 4-Bromofluorobenzene
 Concen: 45.012 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion: 95 Resp: 144508
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 182.8
 176 94.9 0.0 178.0





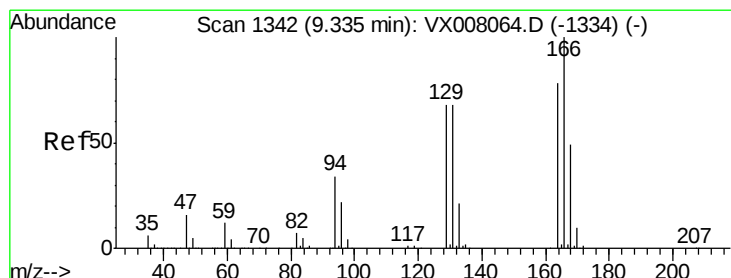
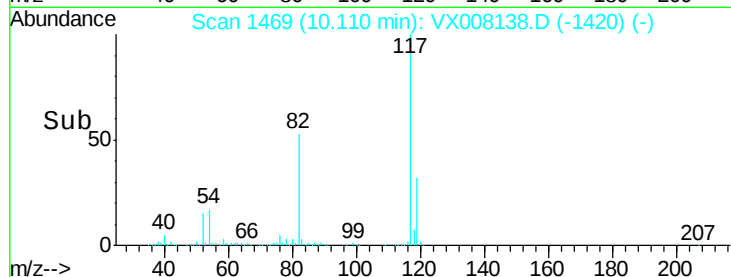
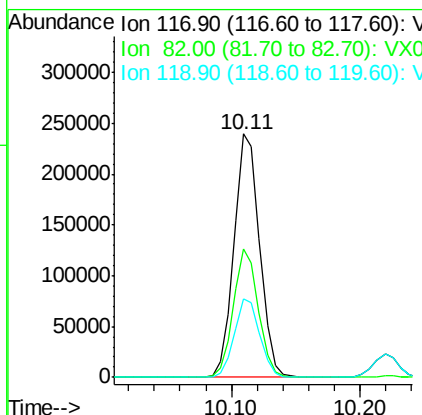
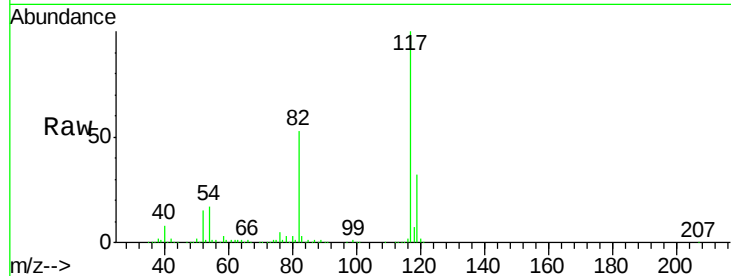
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	331575		
82	52.8		44.3	66.5
119	32.1		25.3	37.9

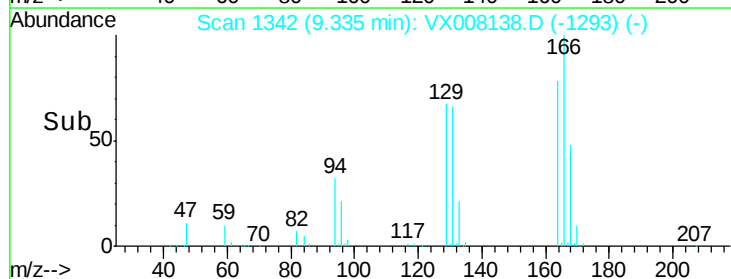
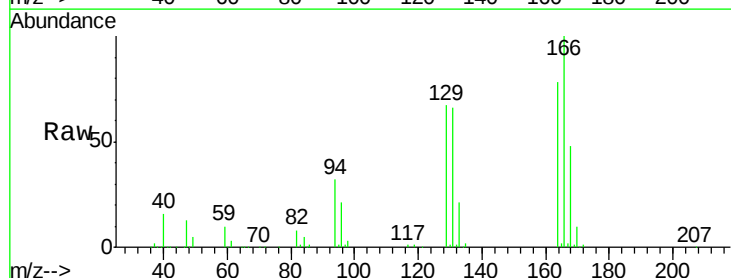
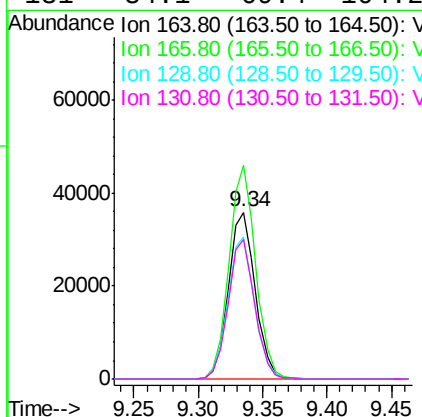
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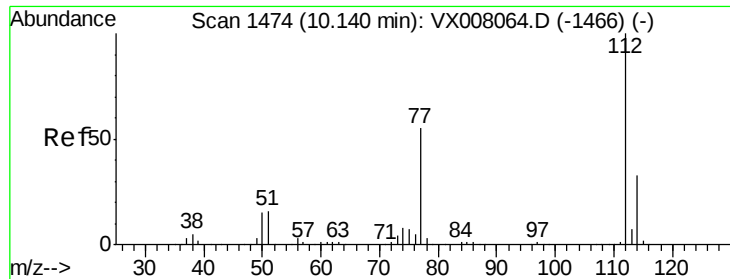
MMDadoda
3/18/2019 10:36:59 AM



#64
Tetrachloroethene
Concen: 19.475 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52321		
166	128.3		103.4	155.0
129	85.5		72.2	108.4
131	84.1		69.4	104.2





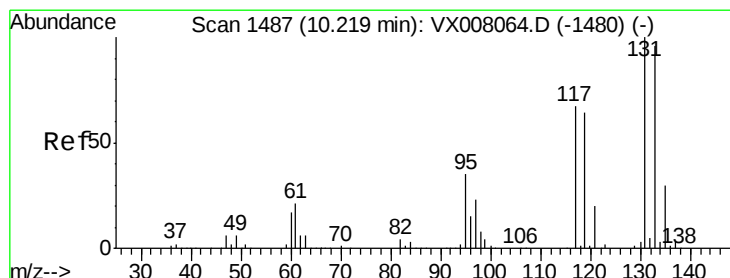
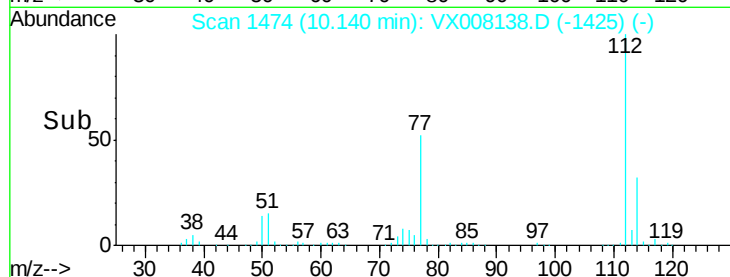
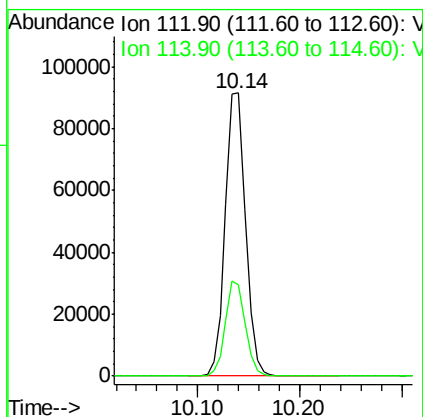
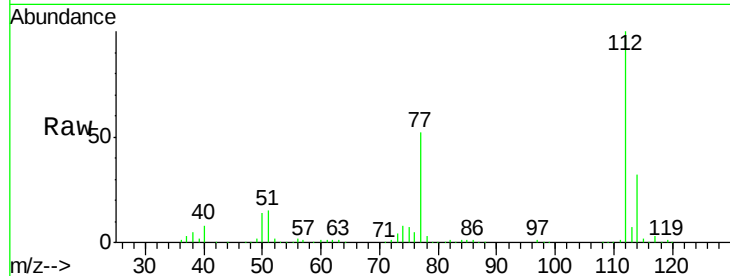
#65
Chlorobenzene
Concen: 19.221 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion:112 Resp: 126474
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

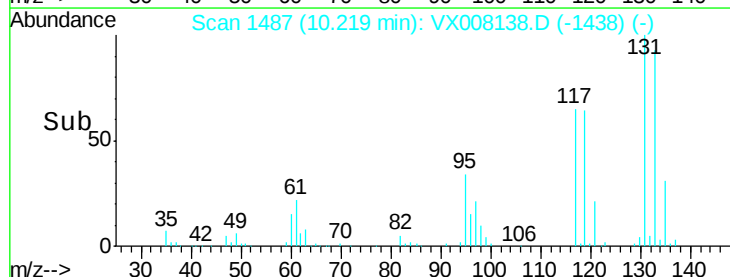
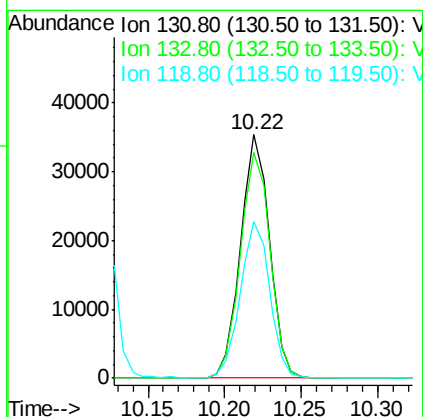
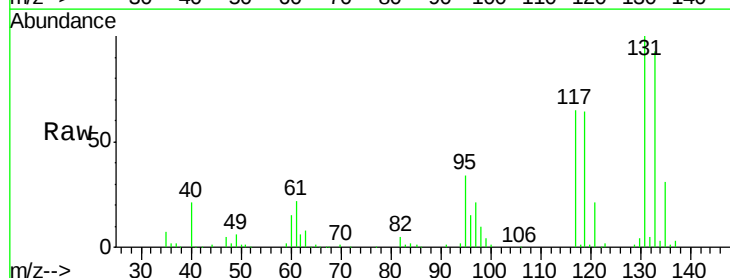
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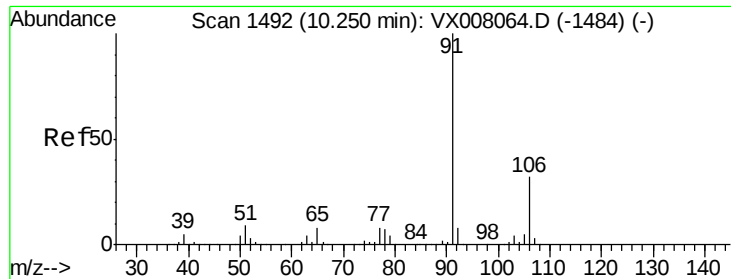
MMDadoda
3/18/2019 10:36:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.908 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion:131 Resp: 46488
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.3
119 65.6 32.5 97.5





#67

Ethyl Benzene

Concen: 18.728 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion: 91 Resp: 203970

Ion Ratio Lower Upper

91 100

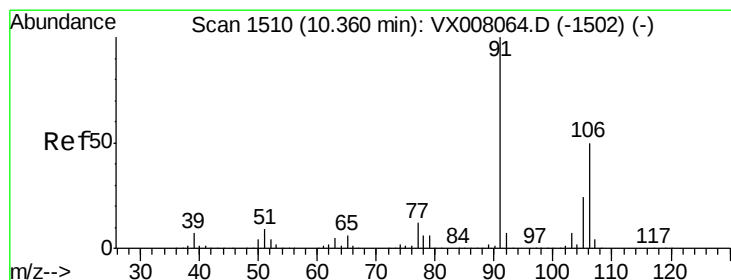
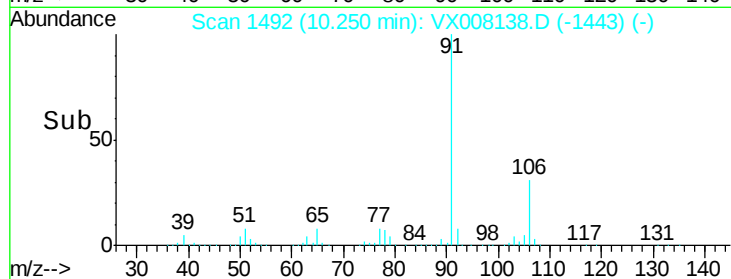
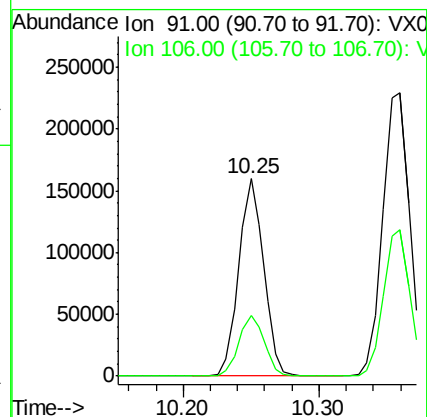
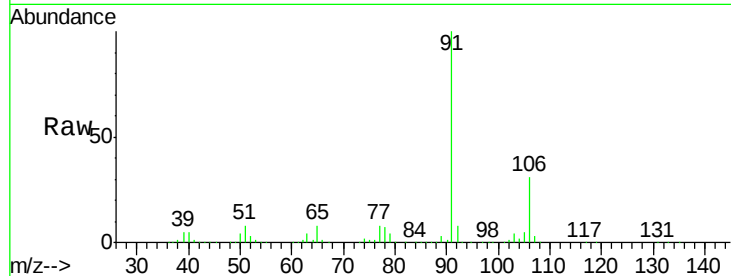
106 31.1 25.2 37.8

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#68

m/p-Xylenes

Concen: 38.649 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008138.D

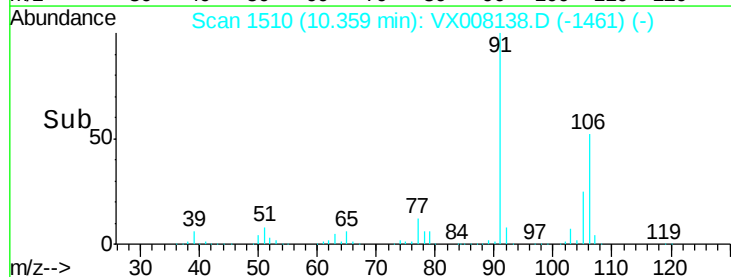
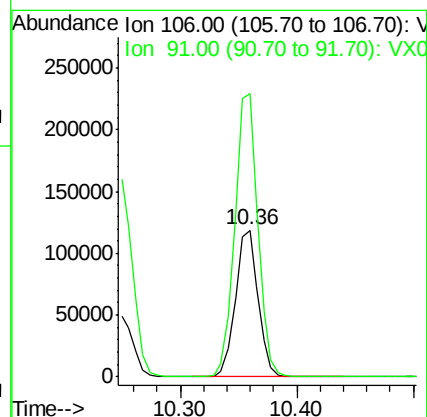
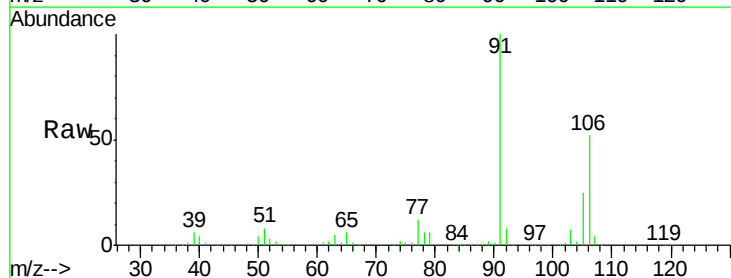
Acq: 16 Mar 2019 14:01

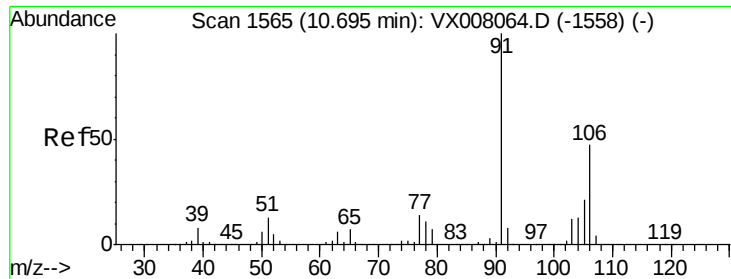
Tgt Ion: 106 Resp: 161069

Ion Ratio Lower Upper

106 100

91 196.0 159.8 239.6





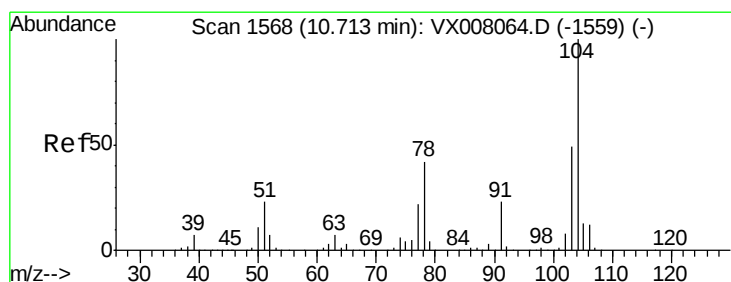
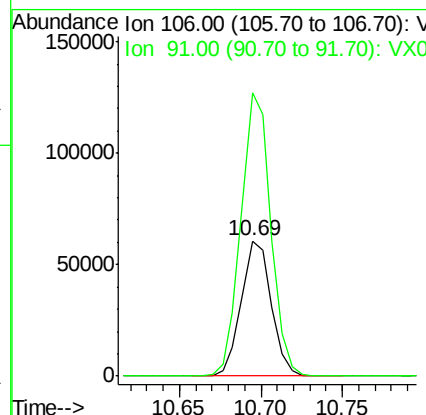
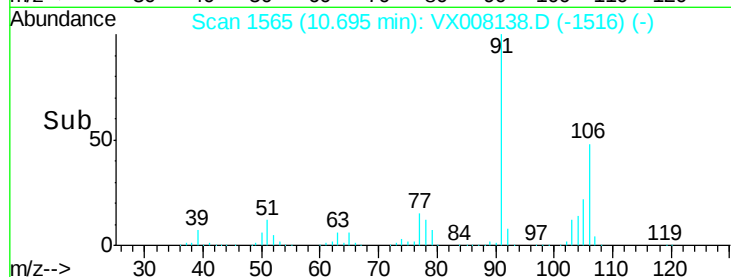
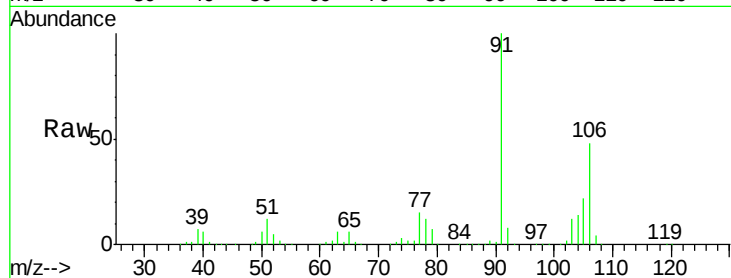
#69
o-Xylene
Concen: 19.153 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion:106 Resp: 77810
Ion Ratio Lower Upper
106 100
91 208.7 106.3 318.9

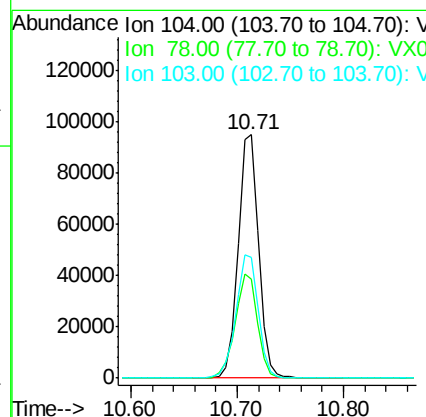
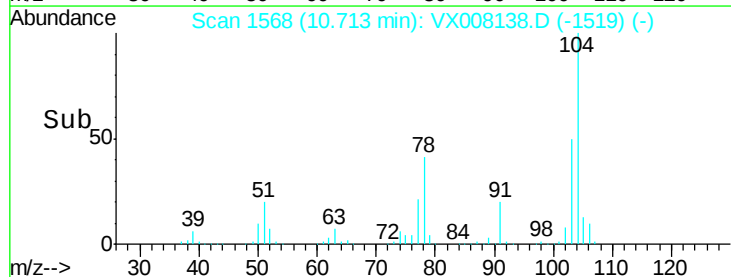
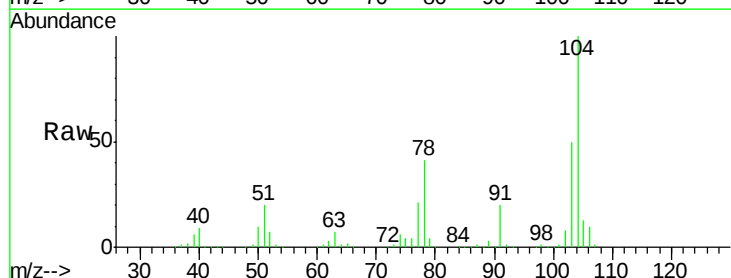
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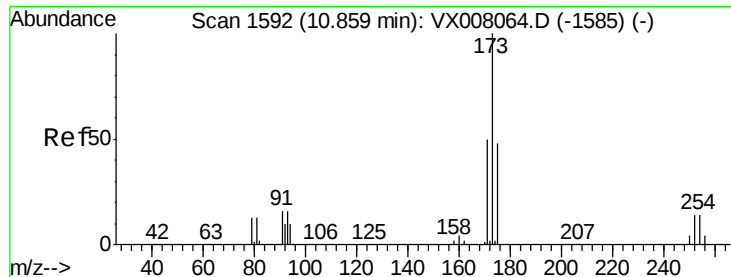
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#70
Styrene
Concen: 19.281 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion:104 Resp: 128321
Ion Ratio Lower Upper
104 100
78 46.6 38.5 57.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 19.137 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion:173 Resp: 36983

Ion Ratio Lower Upper

173 100

175 50.8 24.3 72.9

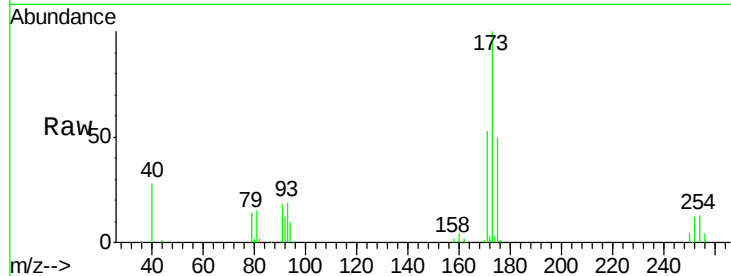
254 0.0 0.1 0.1#

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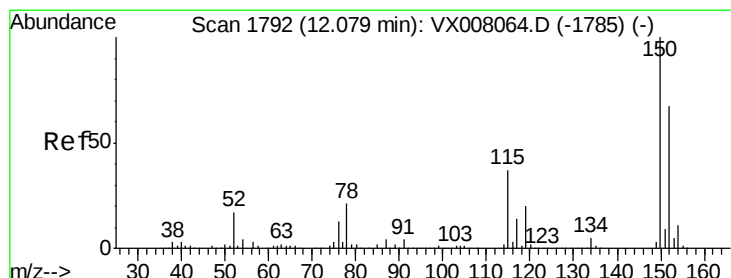
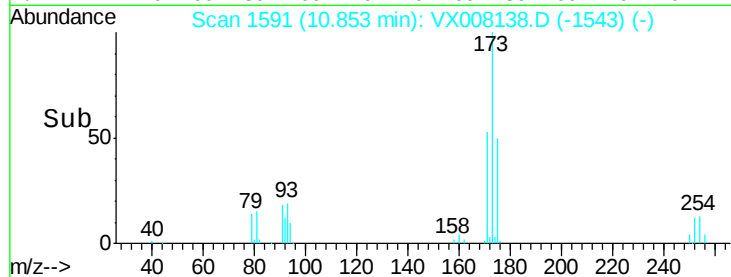
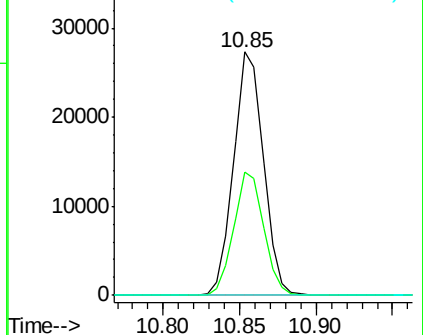
3/18/2019 10:36:59 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

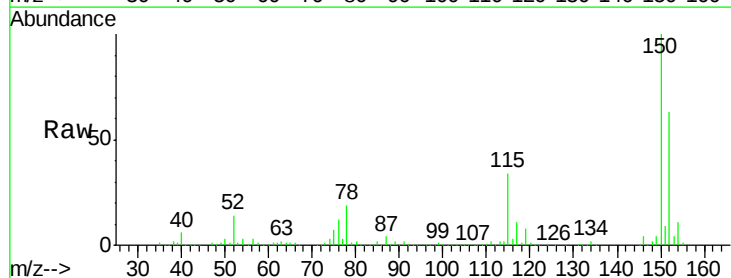
Tgt Ion:152 Resp: 166506

Ion Ratio Lower Upper

152 100

115 61.3 38.6 115.7

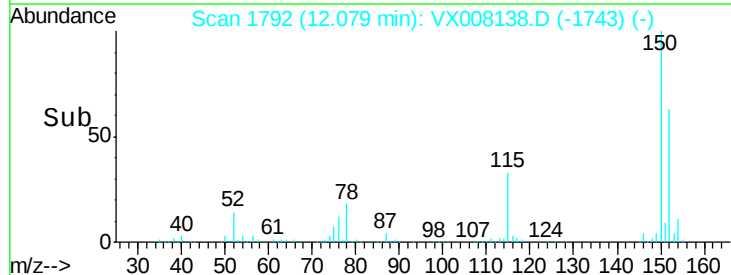
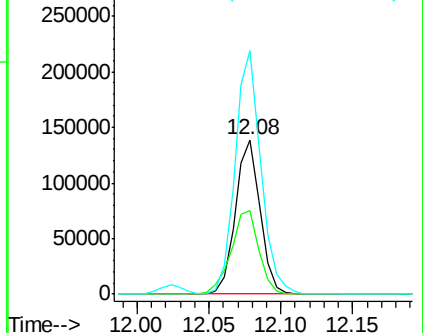
150 164.3 0.0 348.4

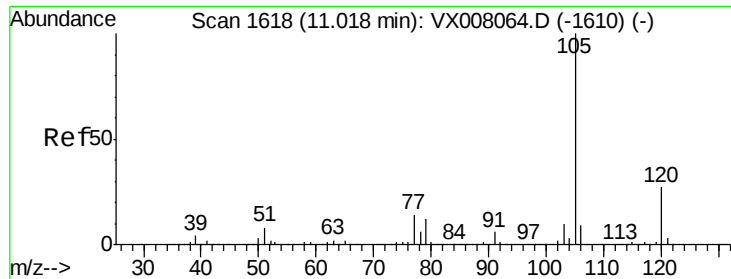


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.655 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion: 105 Resp: 209608

Ion Ratio Lower Upper

105 100

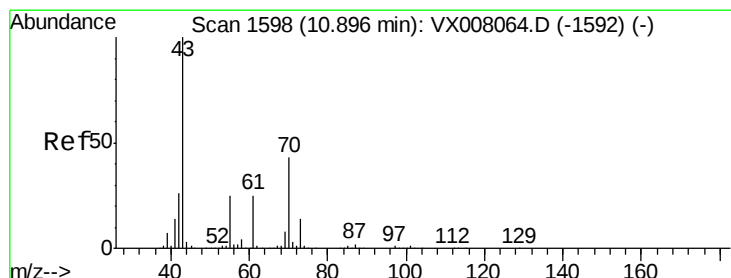
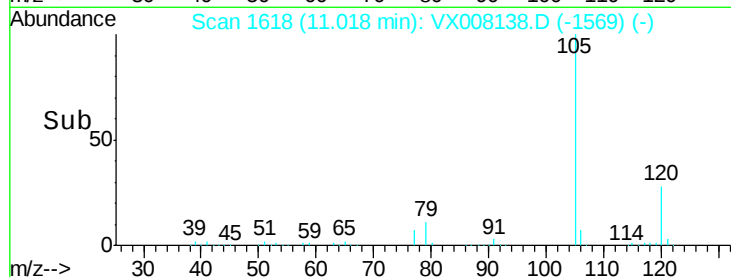
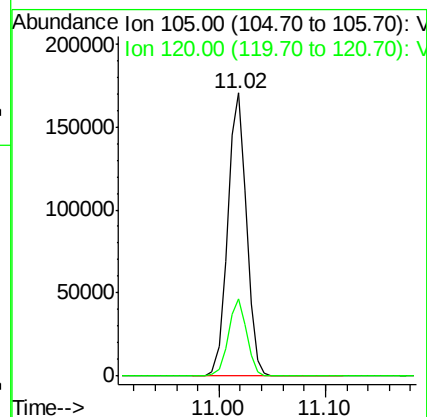
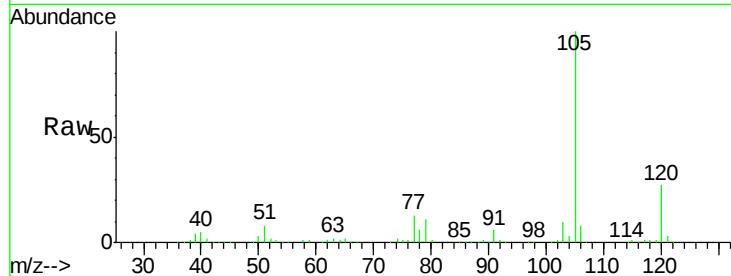
120 26.8 13.4 40.1

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3/18/2019 10:36:59 AM



#74

N-ethyl acetate

Concen: 17.240 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion: 43 Resp: 77556

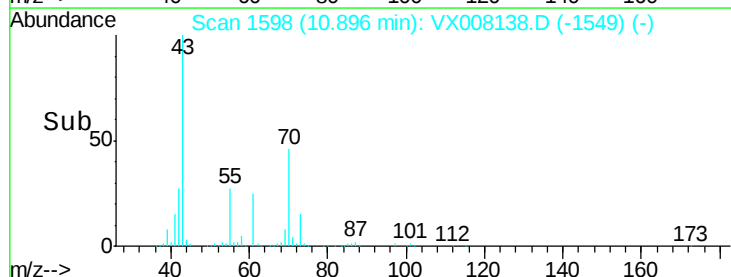
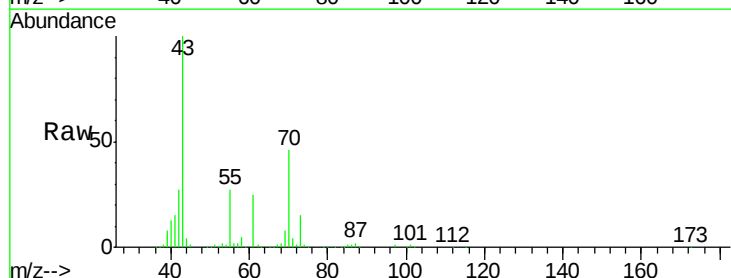
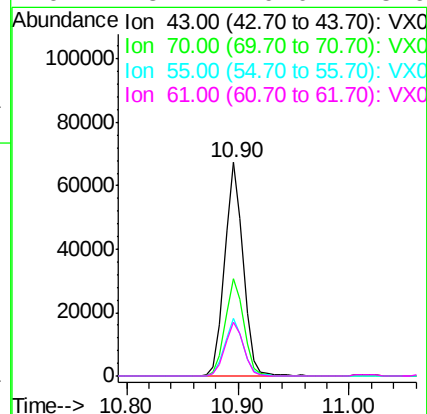
Ion Ratio Lower Upper

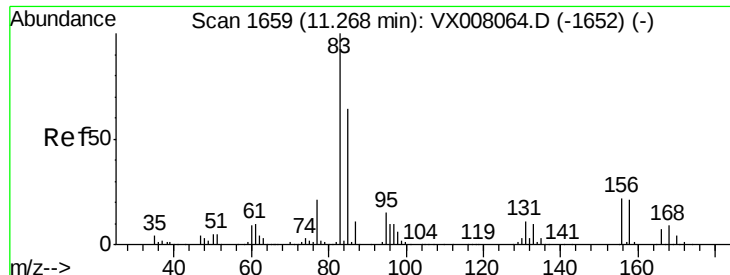
43 100

70 45.9 33.5 50.3

55 27.1 19.2 28.8

61 25.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.066 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

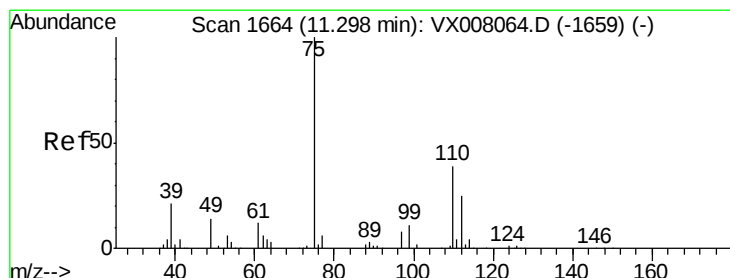
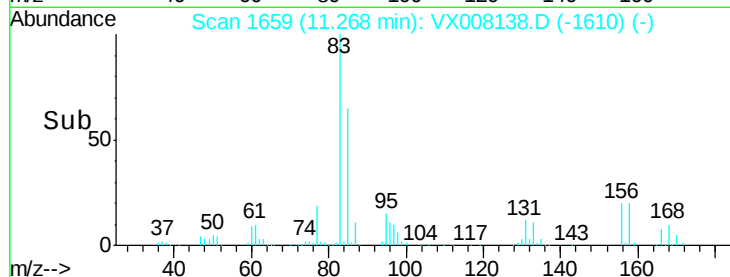
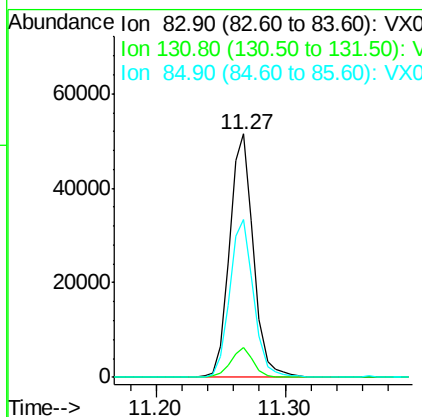
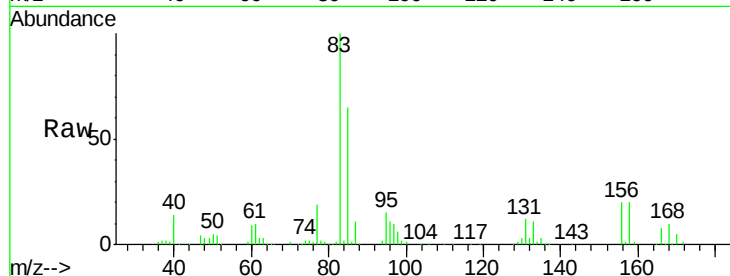
ClientSampleId :

VX0316WBSD01

Tot Ion:	83	Resp:	66623
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.4	16.2
85	65.4	32.3	96.8

Manual Integrations
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3/18/2019 10:36:59 AM



#76

1,2,3-Trichloropropane

Concen: 22.256 ug/l m

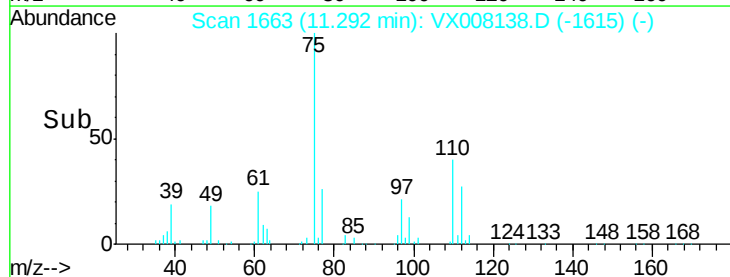
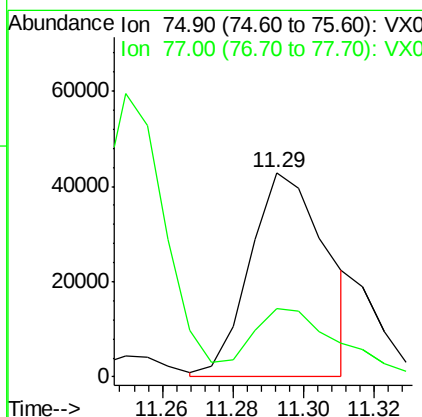
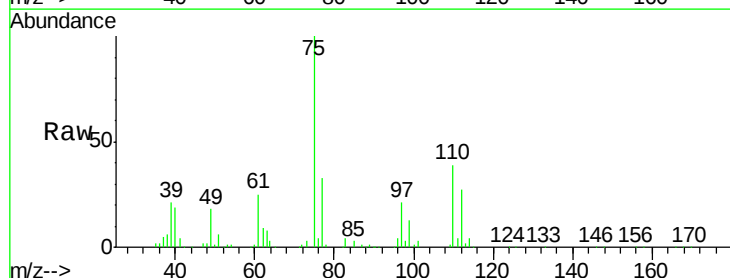
RT: 11.29 min Scan# 1663

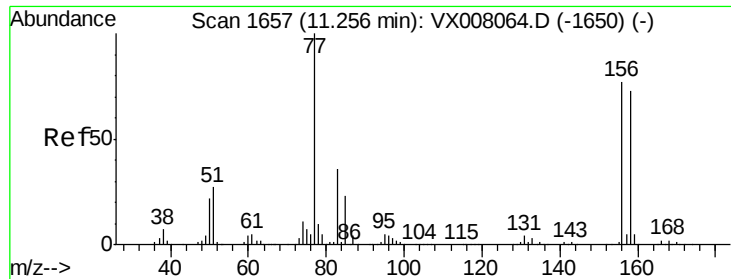
Delta R.T. -0.01 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	75	Resp:	64359
Ion Ratio	Lower	Upper	
75	100		
77	38.6	18.9	56.7





#77

Bromobenzene

Concen: 19.729 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion:156 Resp: 57428

Ion Ratio Lower Upper

156 100

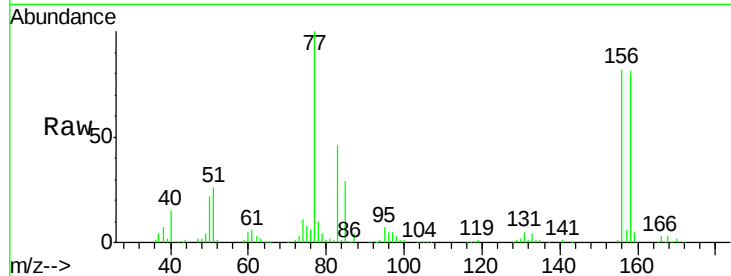
77 132.7 72.0 215.9

158 99.1 48.6 145.9

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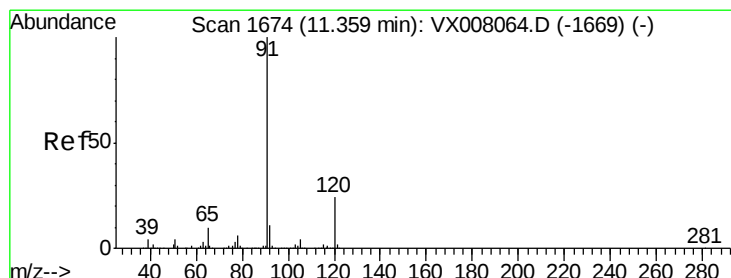
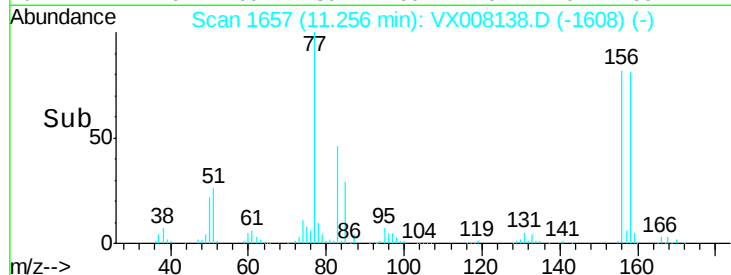
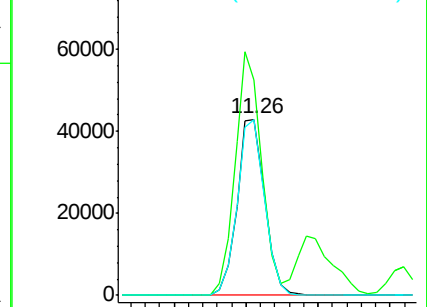
3/18/2019 10:36:59 AM



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: 19.251 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008138.D

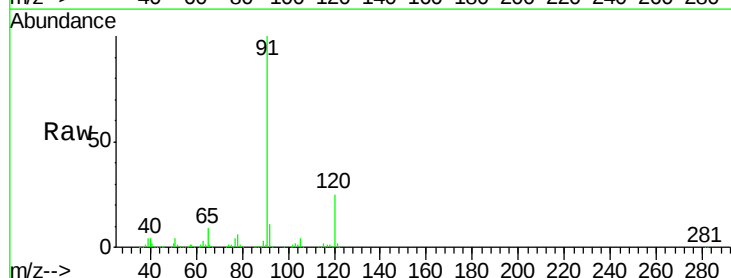
Acq: 16 Mar 2019 14:01

Tgt Ion: 91 Resp: 225235

Ion Ratio Lower Upper

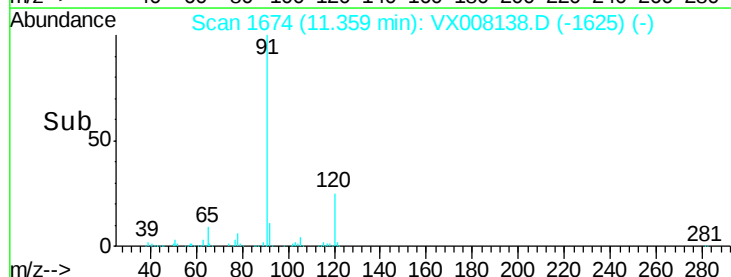
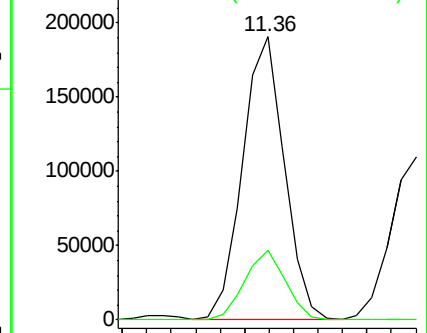
91 100

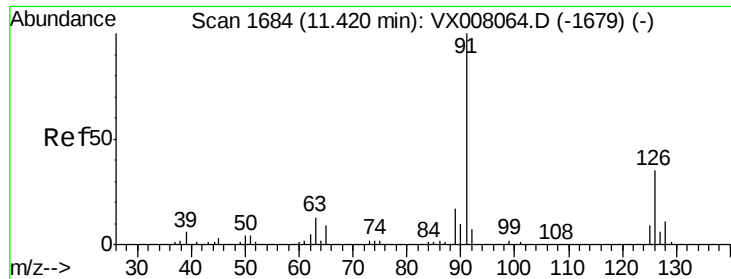
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.197 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampled :

VX0316WBSD01

Tot Ion: 91 Resp: 137172

Ion Ratio Lower Upper

91 100

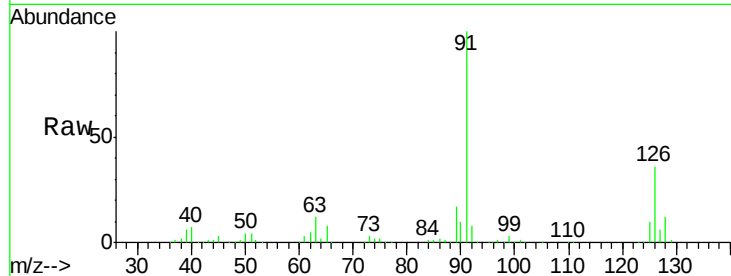
126 36.2 17.5 52.6

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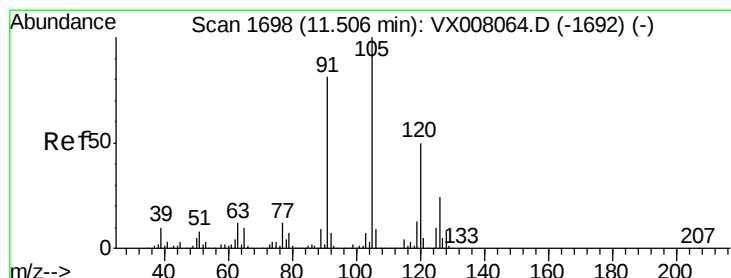
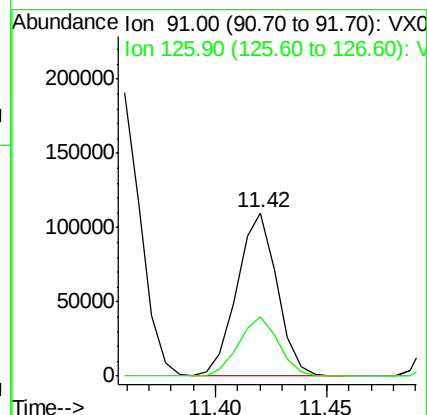
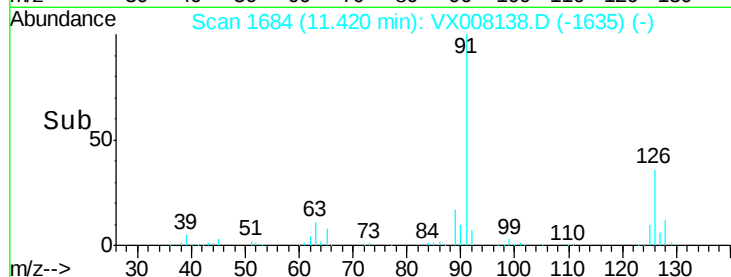
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3/18/2019 10:36:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008064.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008064.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.686 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008138.D

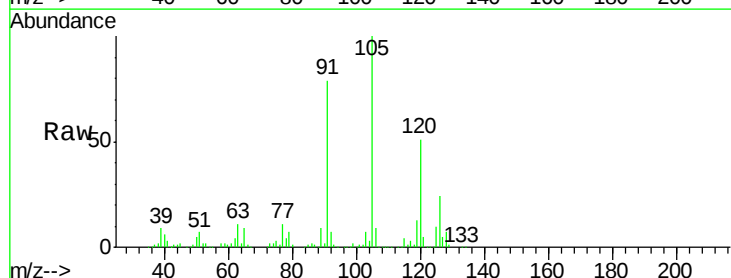
Acq: 16 Mar 2019 14:01

Tgt Ion: 105 Resp: 172997

Ion Ratio Lower Upper

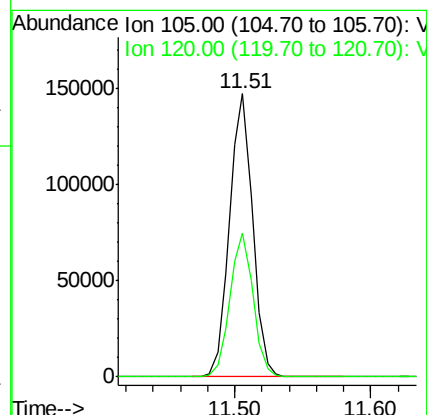
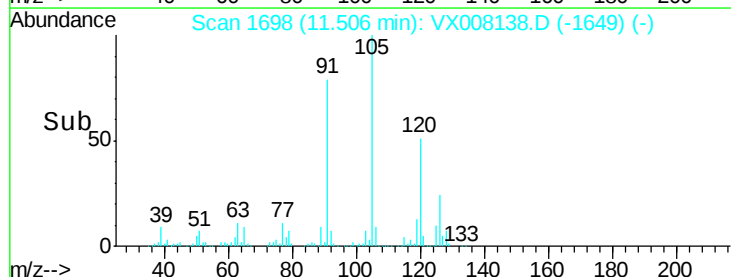
105 100

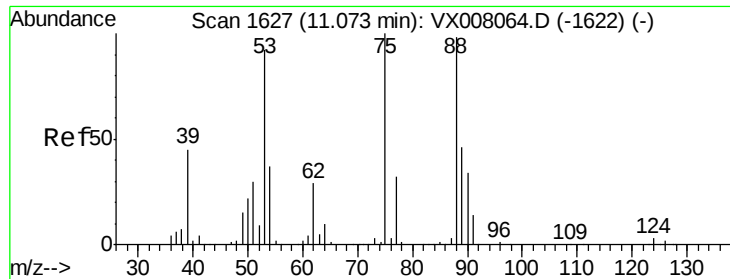
120 50.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008064.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008064.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.225 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

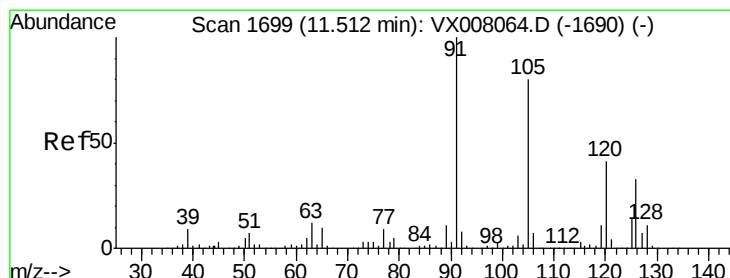
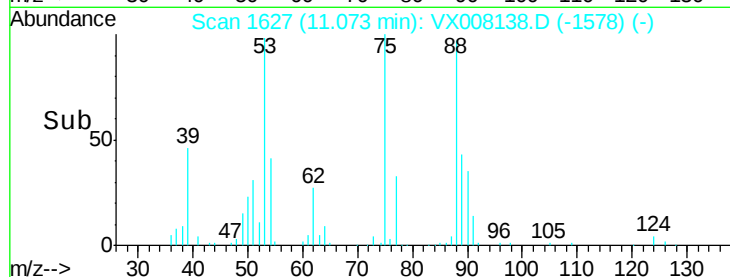
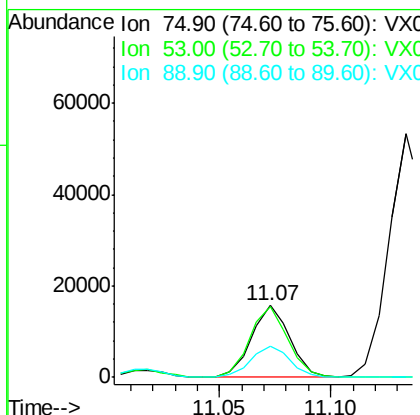
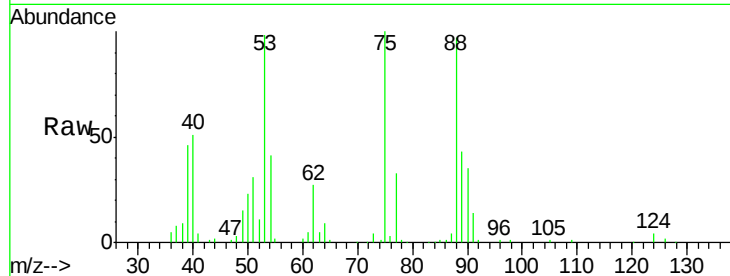
ClientSampled :

VX0316WBSD01

Tot Ion:	75	Resp:	18520
Ion Ratio	Lower	Upper	
75	100		
53	99.3	76.1	114.1
89	45.1	36.3	54.5

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#82

4-Chlorotoluene

Concen: 19.016 ug/l

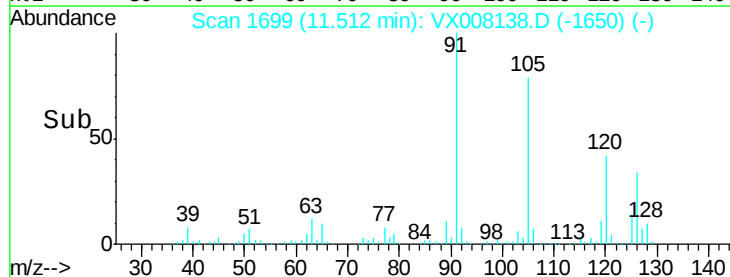
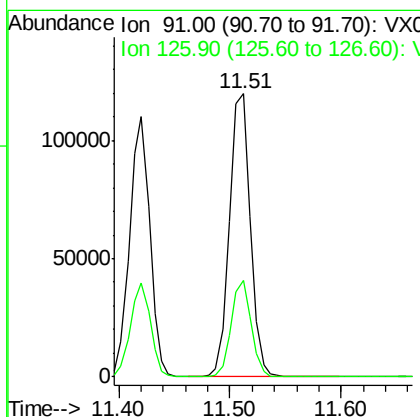
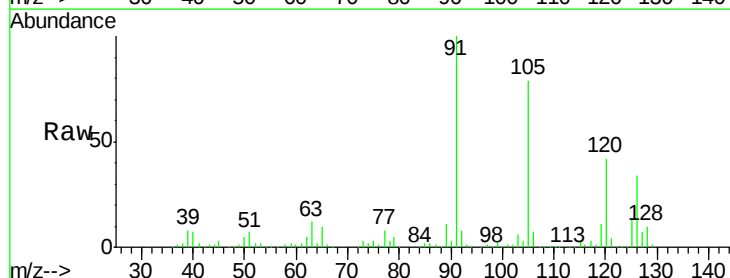
RT: 11.51 min Scan# 1699

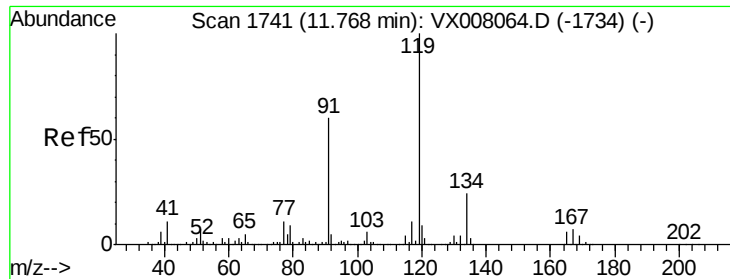
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	91	Resp:	155619
Ion Ratio	Lower	Upper	
91	100		
126	32.4	15.6	46.8





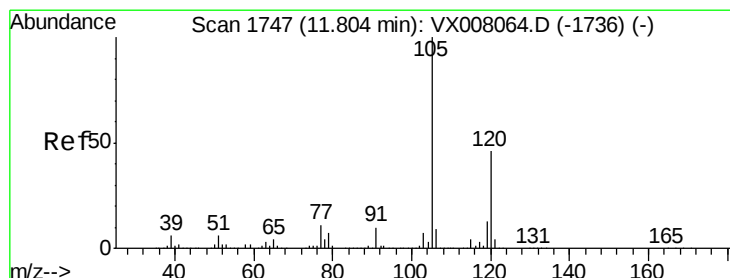
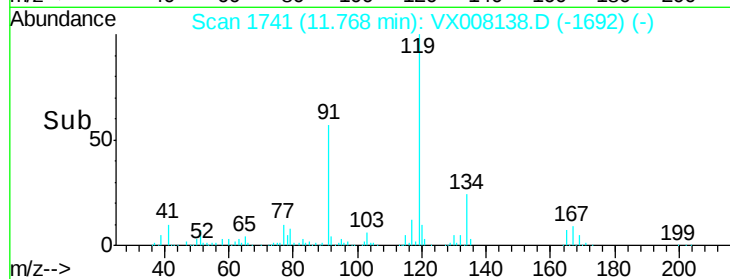
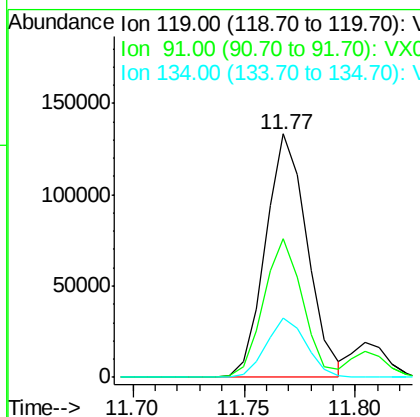
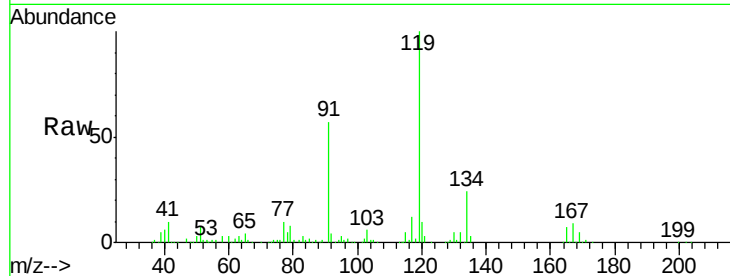
#83
 tert-Butylbenzene
 Concen: 19.674 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.7	27.1	81.3
134	23.6	11.4	34.1

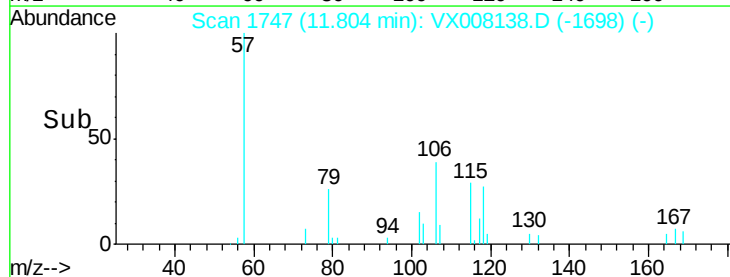
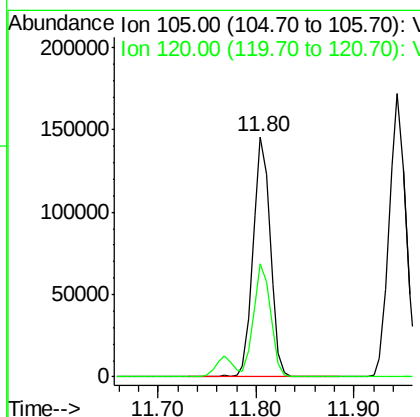
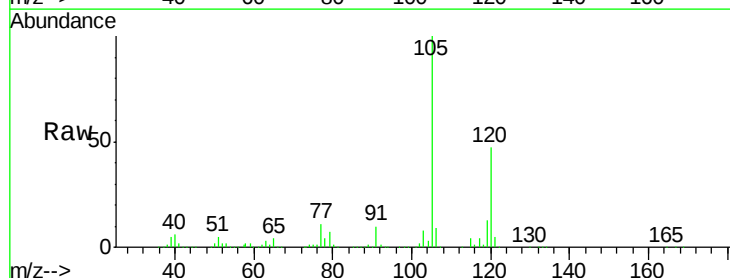
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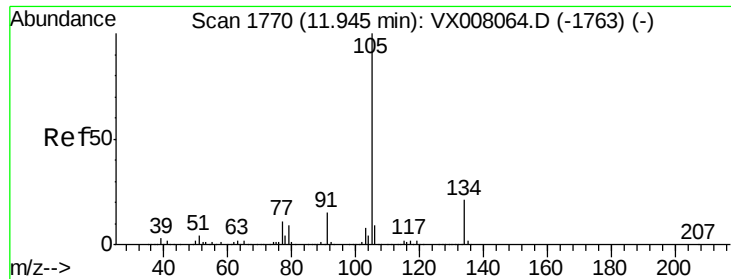
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.685 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.431 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBSD01

Tot Ion:105 Resp: 203876

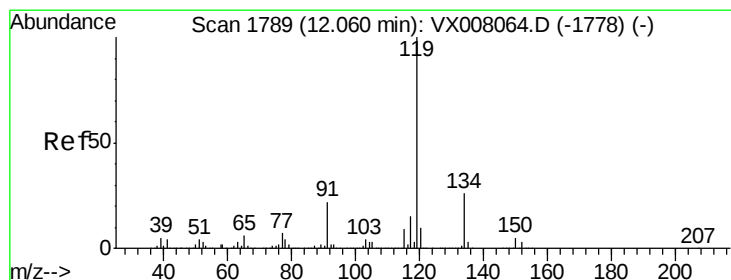
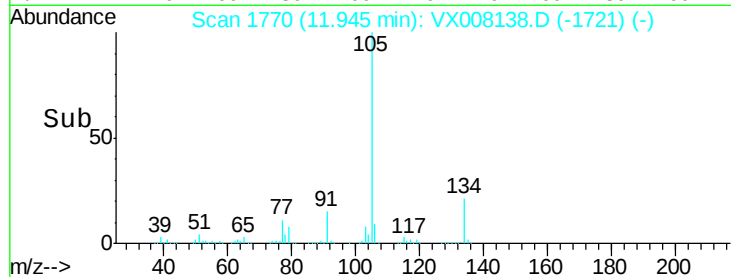
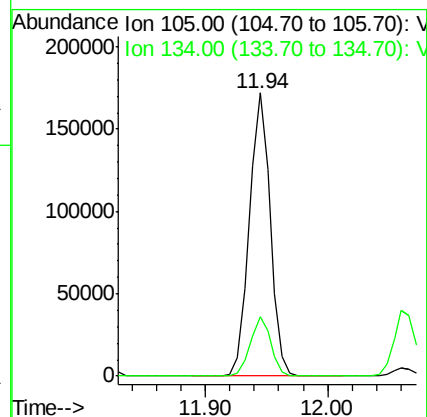
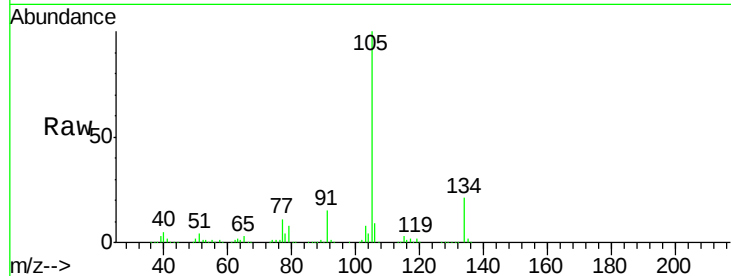
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.719 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

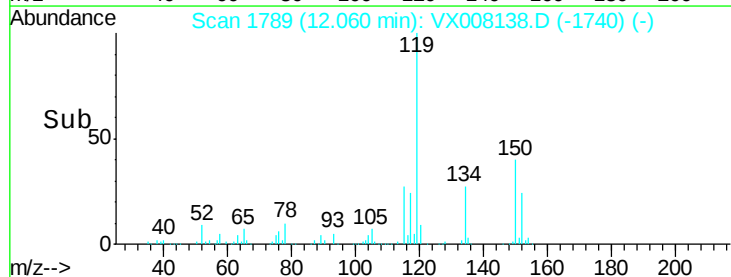
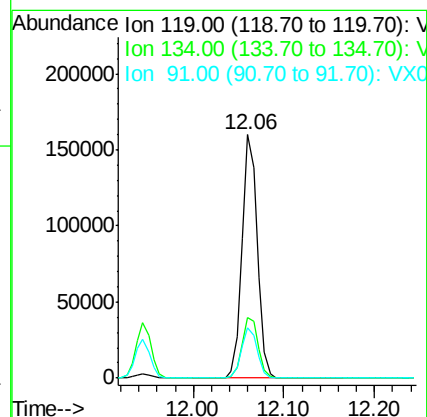
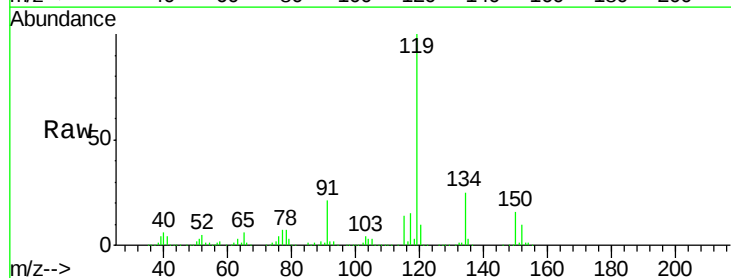
Tgt Ion:119 Resp: 187114

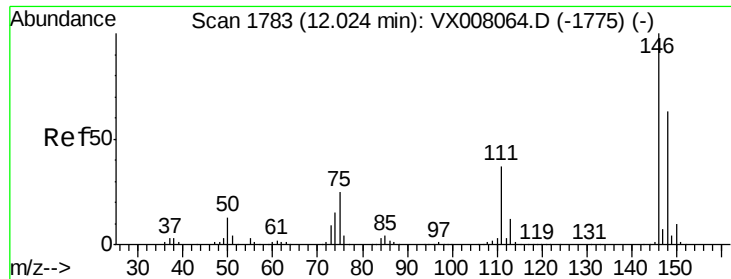
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 21.3 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 19.322 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

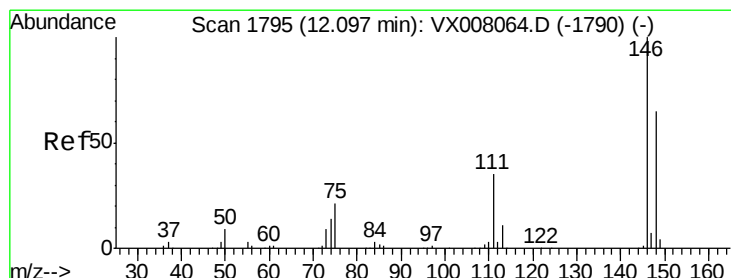
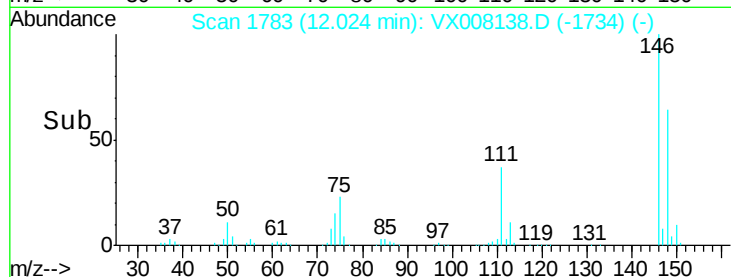
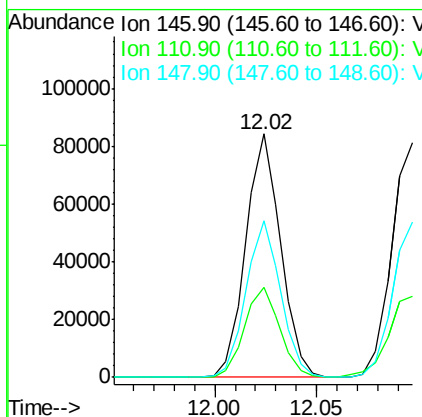
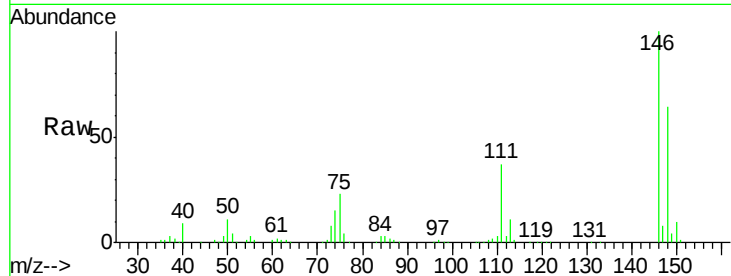
ClientSampleId :

VX0316WBSD01

Tot Ion:	146	Resp:	100102
Ion Ratio		Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.1	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 19.217 ug/l

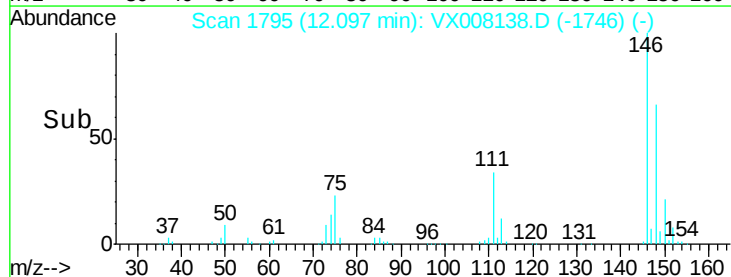
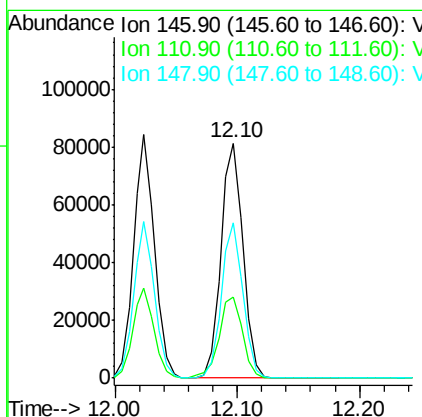
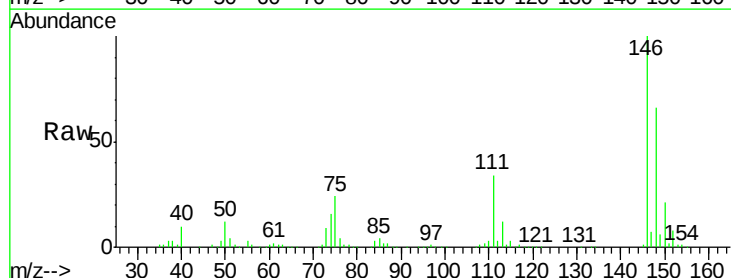
RT: 12.10 min Scan# 1795

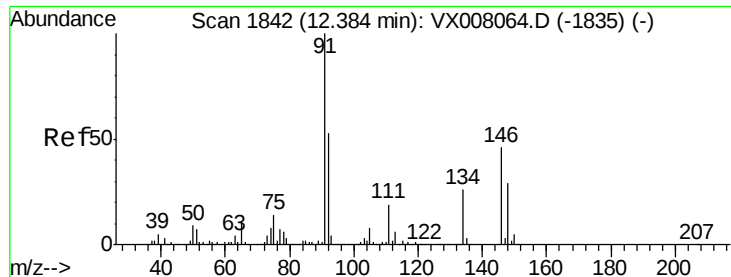
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	146	Resp:	101094
Ion Ratio		Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.6	32.2	96.6





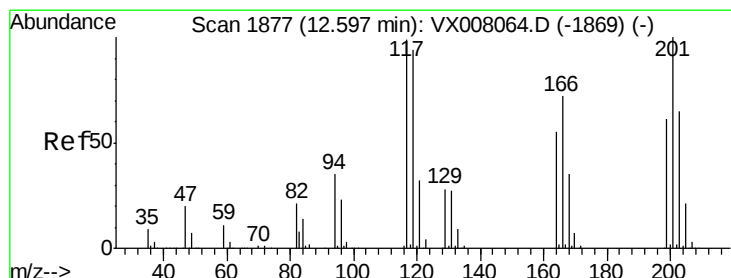
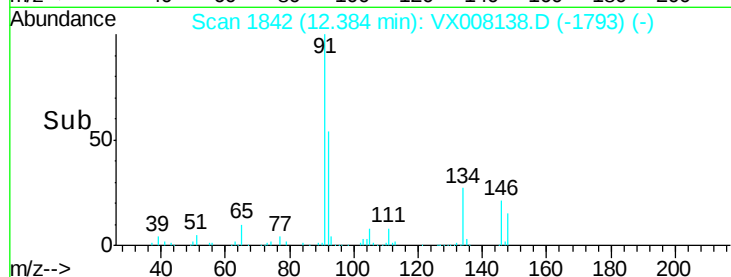
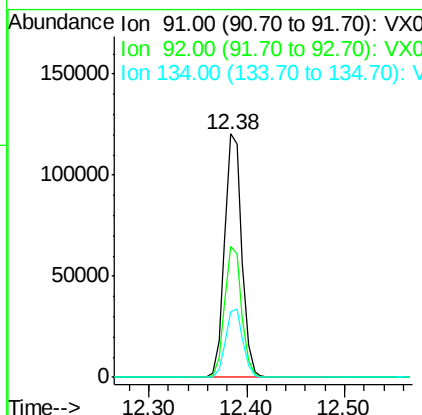
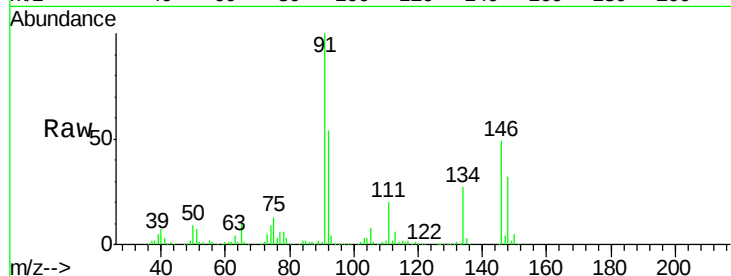
#89
n-Butylbenzene
Concen: 18.420 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	28.0	13.7	41.0

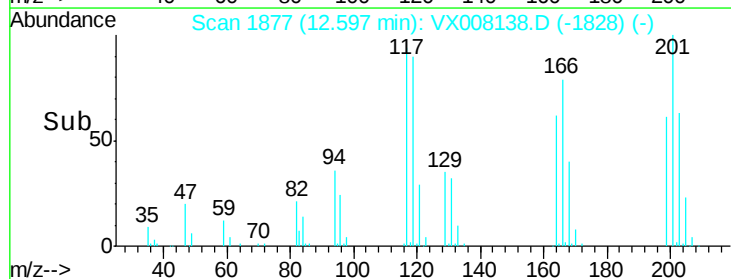
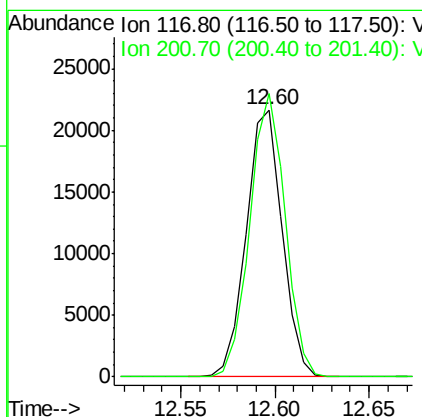
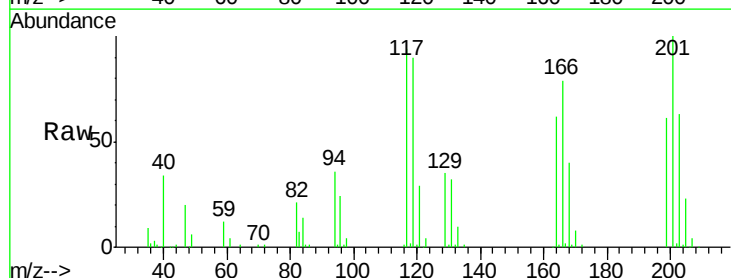
Manual Integrations
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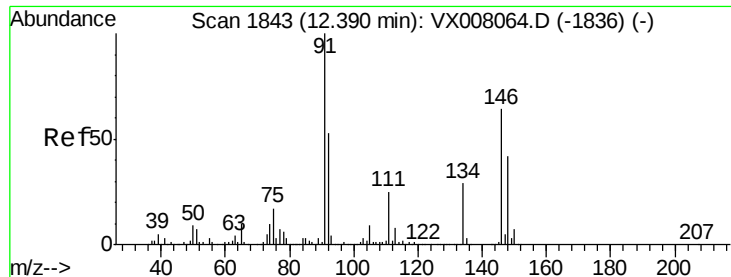
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#90
Hexachloroethane
Concen: 18.835 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008138.D
Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.2	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.639 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

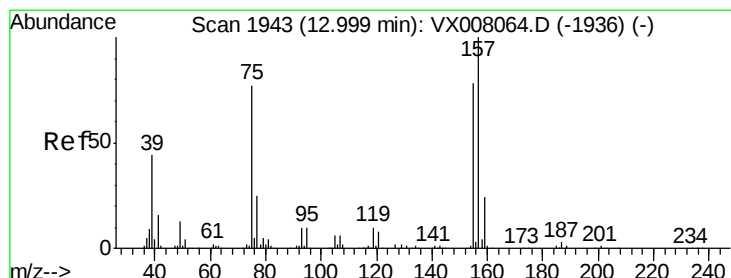
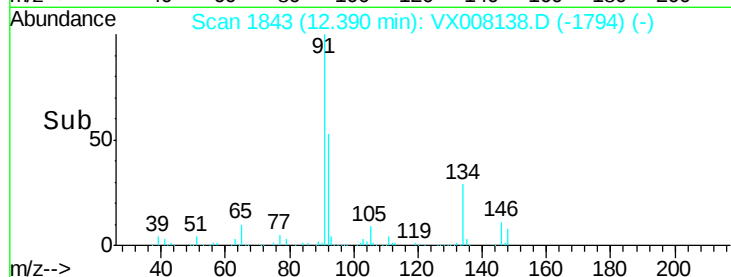
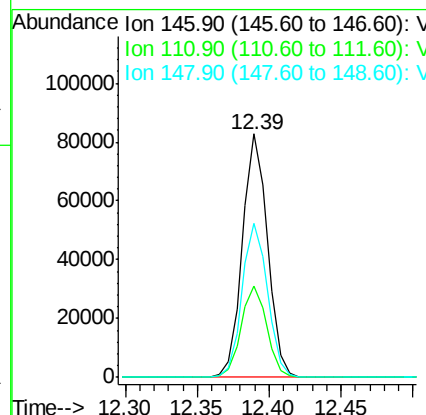
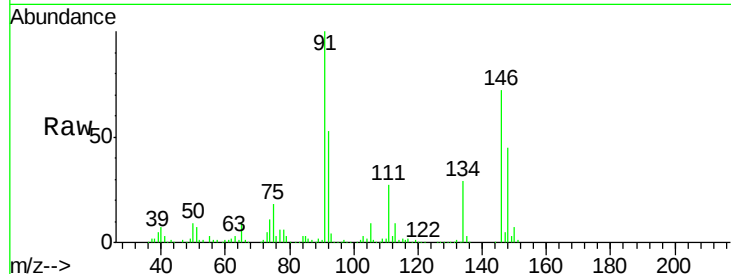
ClientSampleId :

VX0316WBSD01

Tot Ion:	146	Resp:	100945
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.6	58.8
148	63.9	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.459 ug/l

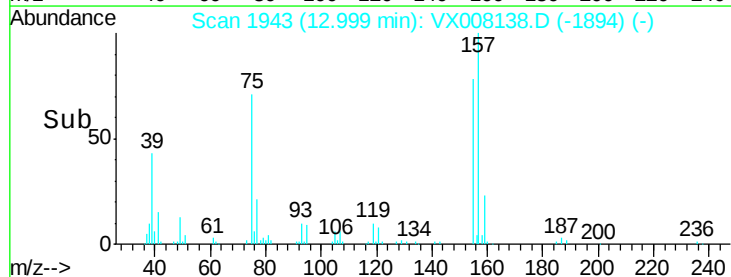
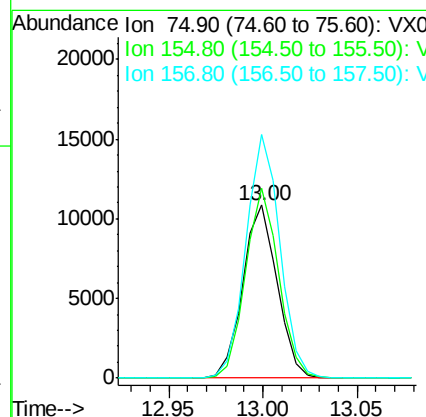
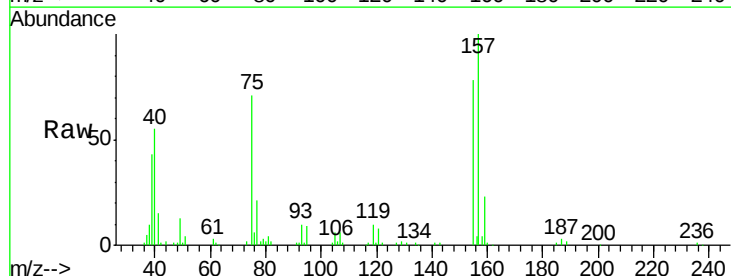
RT: 13.00 min Scan# 1943

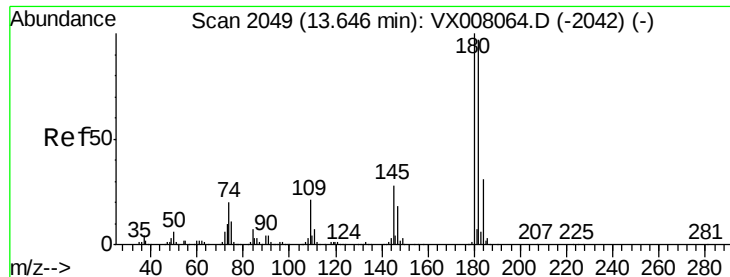
Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	75	Resp:	13747
Ion Ratio	Lower	Upper	
75	100		
155	106.1	49.7	149.1
157	138.5	63.8	191.4





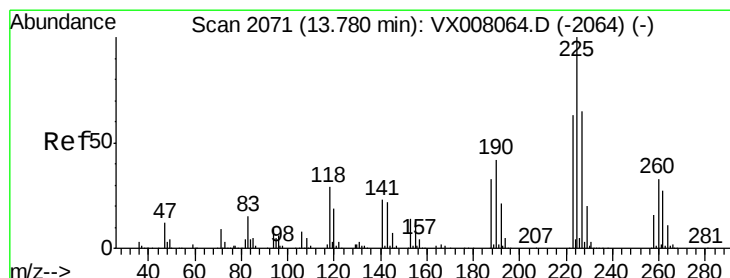
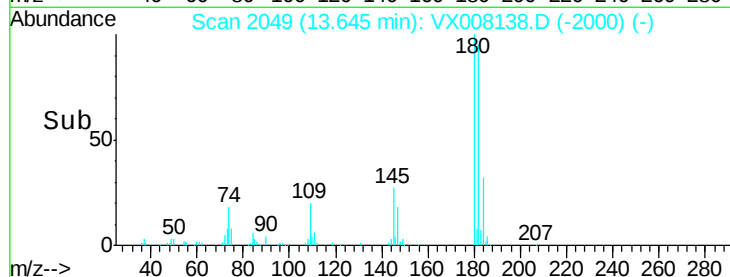
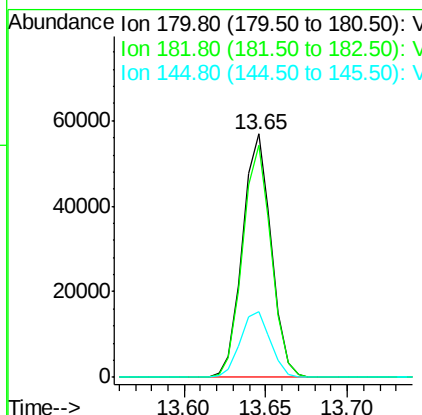
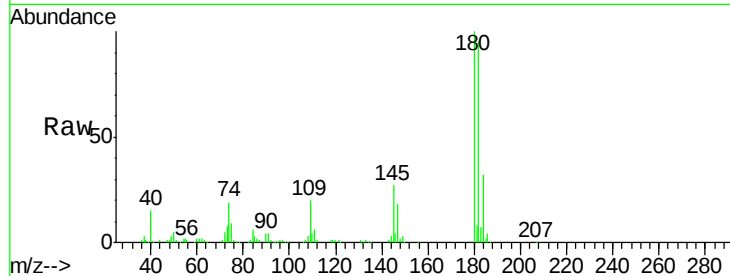
#93
 1,2,4-Trichlorobenzene
 Concen: 19.176 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69817		
182	94.9	47.9	143.7	
145	28.3	14.1	42.4	

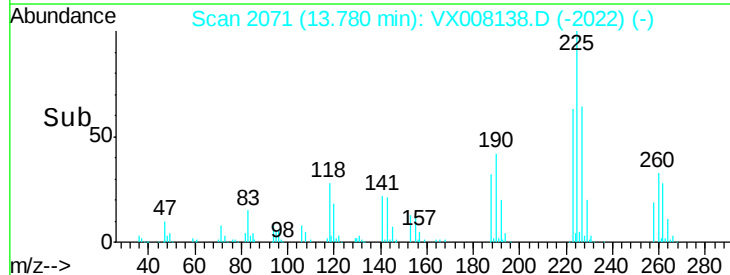
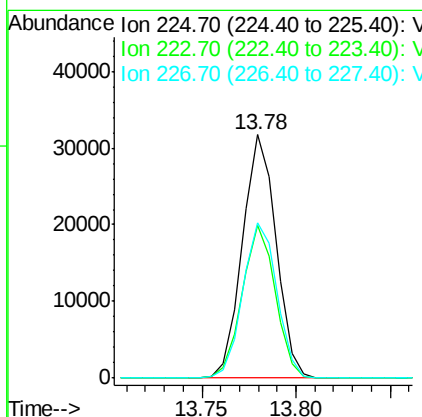
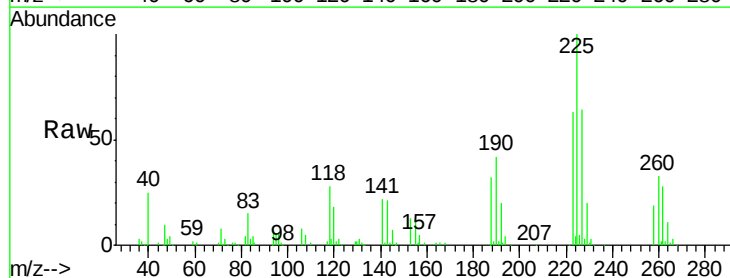
Manual Integrations
 APPROVED

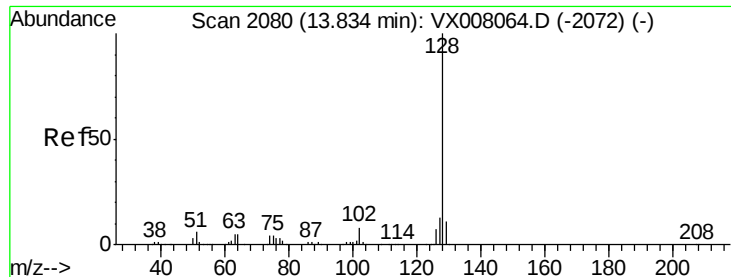
MMDadoda
 3/18/2019 10:36:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.868 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008138.D
 Acq: 16 Mar 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39301		
223	62.0	31.1	93.2	
227	64.2	32.0	96.0	





#95

Naphthalene

Concen: 19.697 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_X

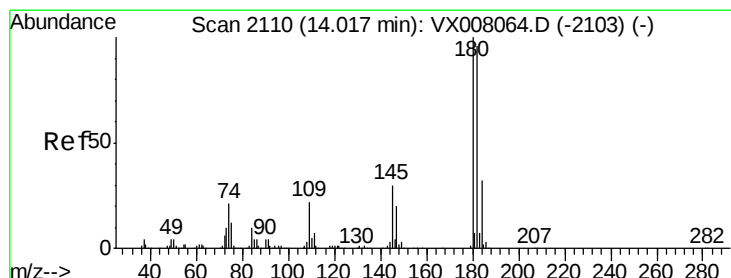
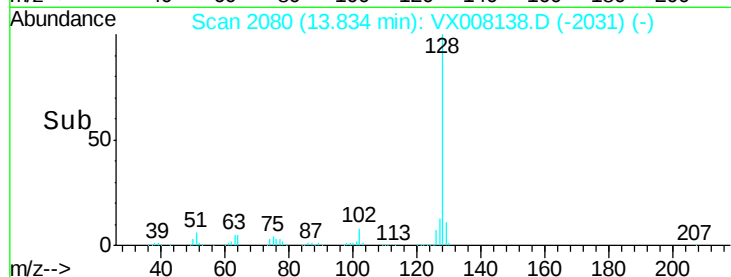
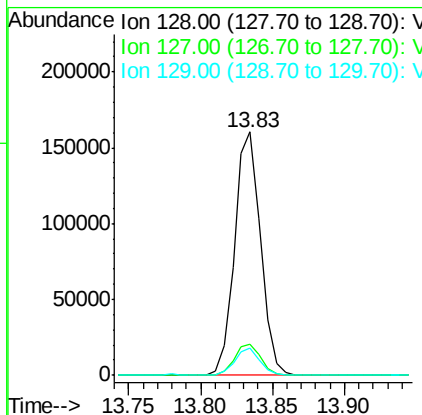
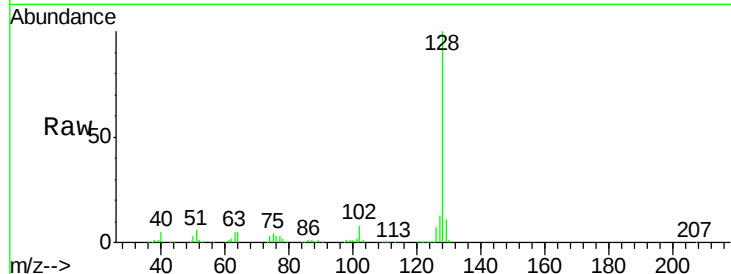
ClientSampleId :

VX0316WBSD01

Tot Ion:	128	Resp:	201653
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/18/2019 10:36:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.515 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008138.D

Acq: 16 Mar 2019 14:01

Tgt Ion:	180	Resp:	69946
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.5	142.5
145	30.3	14.8	44.3

