

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008046.D
 Acq On : 13 Mar 2019 13:58
 Operator : JC/SP
 Sample : VX0313WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:17:55 AM

Quant Time: Mar 14 04:23:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340232	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	117672	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	5.50	113	104953	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	8.71	98	395093	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	140034	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37008	18.856	ug/l	99
3) Chloromethane	1.33	50	50424	19.936	ug/l	100
4) Vinyl Chloride	1.41	62	51708	20.575	ug/l	99
5) Bromomethane	1.64	94	26998	22.266	ug/l	98
6) Chloroethane	1.73	64	32038	19.190	ug/l	98
7) Trichlorofluoromethane	1.93	101	61178	18.697	ug/l	100
8) Diethyl Ether	2.19	74	28034	19.785	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38690	19.081	ug/l	99
10) Methyl Iodide	2.51	142	59965	20.846	ug/l	97
11) Tert butyl alcohol	3.07	59	55648	102.681	ug/l	100
12) 1,1-Dichloroethene	2.38	96	38303	19.597	ug/l	93
13) Acrolein	2.30	56	24303	80.294	ug/l	100
14) Allyl chloride	2.73	41	73591	17.918	ug/l	99
15) Acrylonitrile	3.15	53	133466	97.567	ug/l	99
16) Acetone	2.45	43	107532	76.662	ug/l	98
17) Carbon Disulfide	2.57	76	107085	17.752	ug/l	99
18) Methyl Acetate	2.78	43	60923	20.445	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	137360	20.428	ug/l	100
20) Methylene Chloride	2.86	84	43868	19.651	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	41300	19.204	ug/l	95
22) Diisopropyl ether	3.87	45	156842	20.833	ug/l	98
23) Vinyl Acetate	3.82	43	654699	99.165	ug/l	100
24) 1,1-Dichloroethane	3.70	63	83055	20.499	ug/l	99
25) 2-Butanone	4.70	43	193368	97.374	ug/l	99
26) 2,2-Dichloropropane	4.59	77	51365	19.136	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	50255	20.421	ug/l	98
28) Bromochloromethane	5.02	49	36120	19.123	ug/l	97
29) Tetrahydrofuran	5.15	42	128345	103.614	ug/l	98
30) Chloroform	5.21	83	80088	20.897	ug/l	97
31) Cyclohexane	5.57	56	73637	19.775	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	66498	20.912	ug/l	98
36) 1,1-Dichloropropene	5.80	75	60896	19.767	ug/l	99
37) Ethyl Acetate	4.85	43	71381	19.525	ug/l	99
38) Carbon Tetrachloride	5.78	117	56208	19.218	ug/l	97

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71798	19.233	ug/l	99
40) Benzene	6.15	78	187719	20.468	ug/l	99
41) Methacrylonitrile	5.06	41	40716	20.428	ug/l	99
42) 1,2-Dichloroethane	6.20	62	60751	20.255	ug/l	99
43) Isopropyl Acetate	6.46	43	109951	20.321	ug/l	99
44) Trichloroethene	7.21	130	51570	20.404	ug/l	98
45) 1,2-Dichloropropane	7.52	63	49590	20.472	ug/l	99
46) Dibromomethane	7.66	93	31151	20.320	ug/l	98
47) Bromodichloromethane	7.90	83	56686	19.503	ug/l	99
48) Methyl methacrylate	7.77	41	57607	20.251	ug/l	98
49) 1,4-Dioxane	7.75	88	25363	434.033	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	367029	105.481	ug/l	99
52) Toluene	8.79	92	115891	20.697	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61095	20.139	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	69007	20.144	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48537	21.413	ug/l	99
56) Ethyl methacrylate	9.18	69	74041	21.755	ug/l	97
57) 1,3-Dichloropropane	9.37	76	80579	21.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	173244	98.408	ug/l	99
59) 2-Hexanone	9.49	43	276308	102.281	ug/l	99
60) Dibromochloromethane	9.58	129	47710	20.137	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50325	20.911	ug/l	100
64) Tetrachloroethene	9.33	164	51867	20.894	ug/l	98
65) Chlorobenzene	10.14	112	128440	20.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45993	20.472	ug/l	99
67) Ethyl Benzene	10.25	91	214582	20.796	ug/l	100
68) m/p-Xylenes	10.36	106	165395	41.585	ug/l	100
69) o-Xylene	10.70	106	80436	20.948	ug/l	100
70) Styrene	10.71	104	132019	21.011	ug/l	100
71) Bromoform	10.86	173	36987	19.171	ug/l	99
73) Isopropylbenzene	11.02	105	216020	21.736	ug/l	100
74) N-amyl acetate	10.90	43	93968	20.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	71165	20.760	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	69540m	22.552	ug/l	
77) Bromobenzene	11.26	156	57531	21.115	ug/l	99
78) n-propylbenzene	11.36	91	233462	21.175	ug/l	100
79) 2-Chlorotoluene	11.42	91	141987	21.063	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	176966	21.635	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18561	19.241	ug/l	95
82) 4-Chlorotoluene	11.51	91	161188	20.865	ug/l	100
83) tert-Butylbenzene	11.77	119	173660	21.077	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	182082	21.715	ug/l	100
85) sec-Butylbenzene	11.94	105	208807	21.518	ug/l	99
86) p-Isopropyltoluene	12.06	119	188389	21.677	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	100003	20.746	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	99246	20.104	ug/l	98
89) n-Butylbenzene	12.39	91	151437	20.568	ug/l	99
90) Hexachloroethane	12.60	117	28838	19.847	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	100616	21.011	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13918	19.427	ug/l	93

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ClientSampleId :
VX0313WBS01

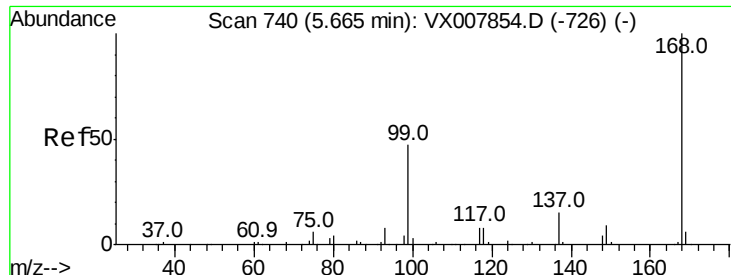
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	68903	20.482	ug/l	99
94) Hexachlorobutadiene	13.78	225	37007	21.041	ug/l	99
95) Naphthalene	13.83	128	206487	21.303	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	68655	20.487	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:168 Resp: 229726

Ion Ratio Lower Upper

168 100

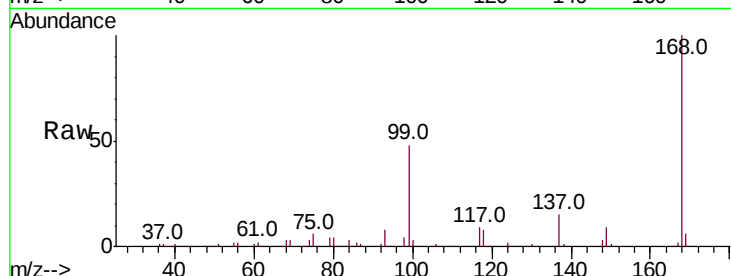
99 47.8 37.6 56.4

Manual Integrations

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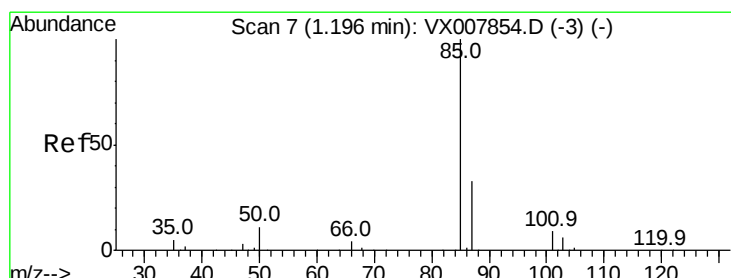
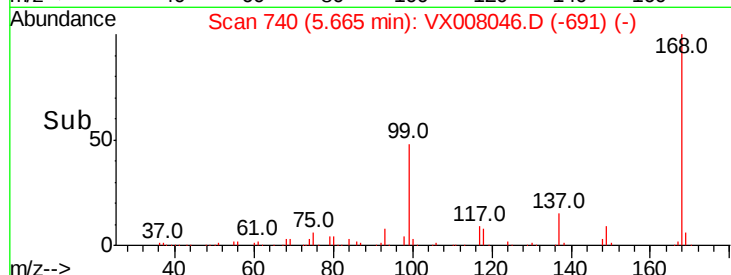
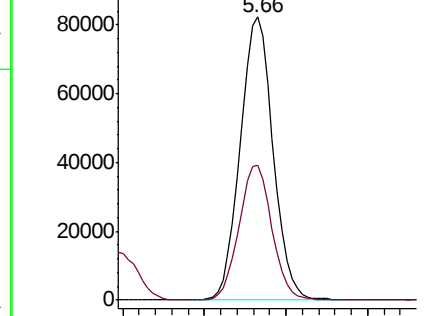
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.856 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008046.D

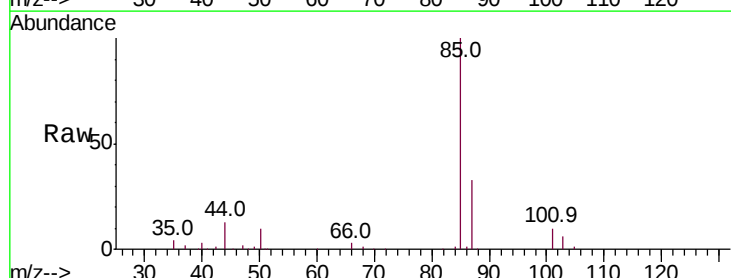
Acq: 13 Mar 2019 13:58

Tgt Ion: 85 Resp: 37008

Ion Ratio Lower Upper

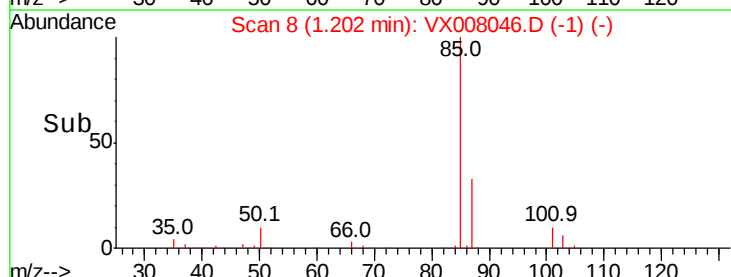
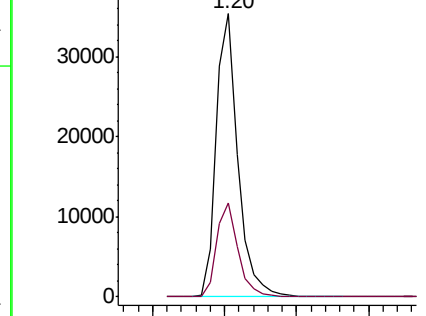
85 100

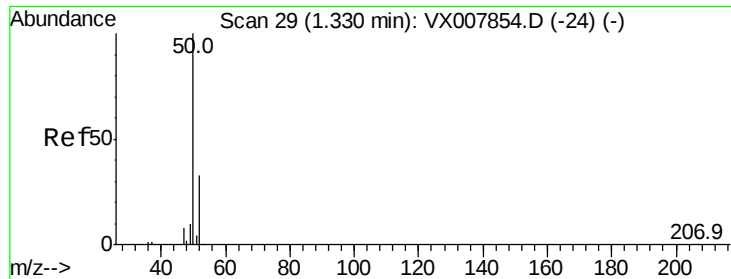
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.936 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 50 Resp: 50424

Ion Ratio Lower Upper

50 100

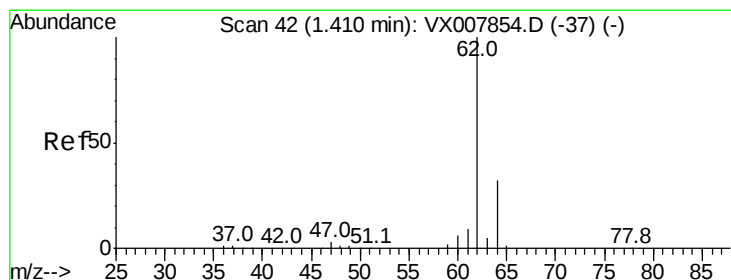
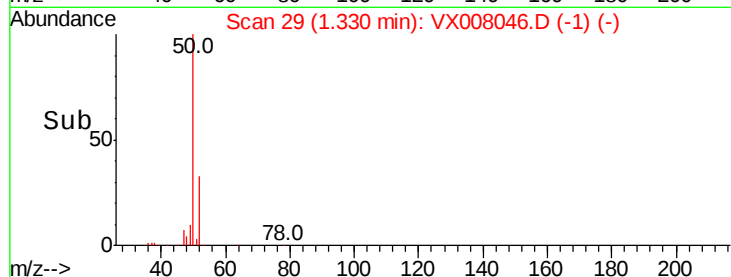
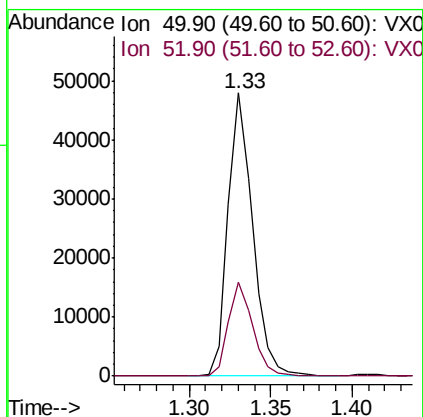
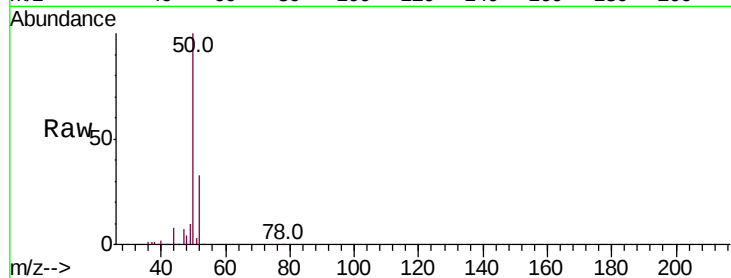
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.575 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008046.D

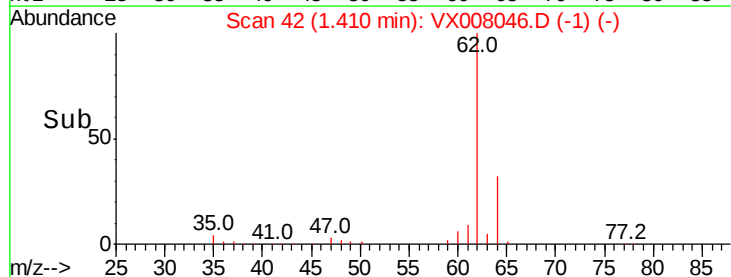
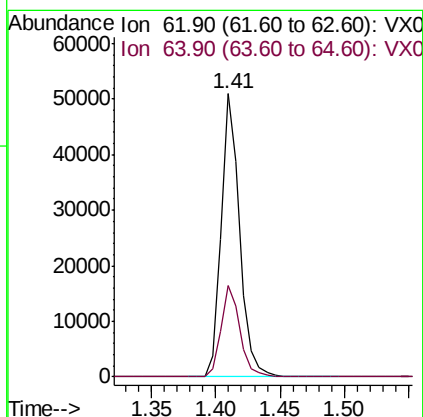
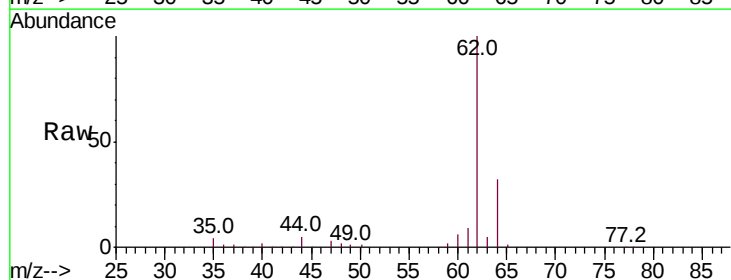
Acq: 13 Mar 2019 13:58

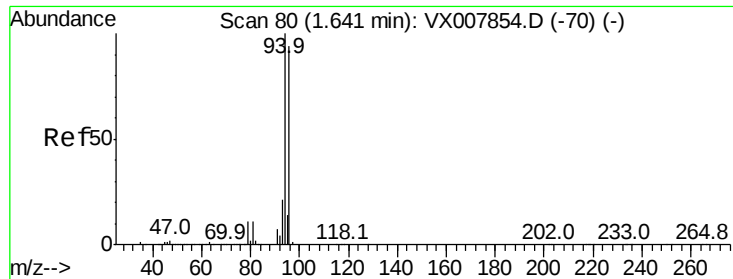
Tgt Ion: 62 Resp: 51708

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 22.266 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 94 Resp: 26998

Ion Ratio Lower Upper

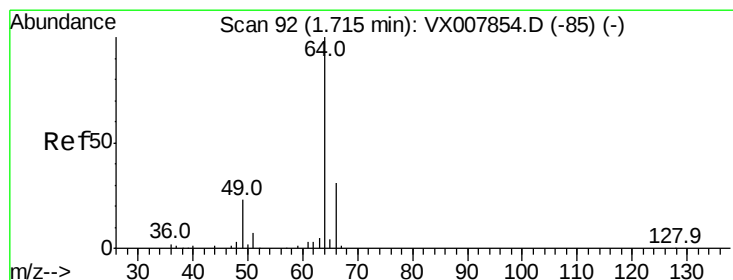
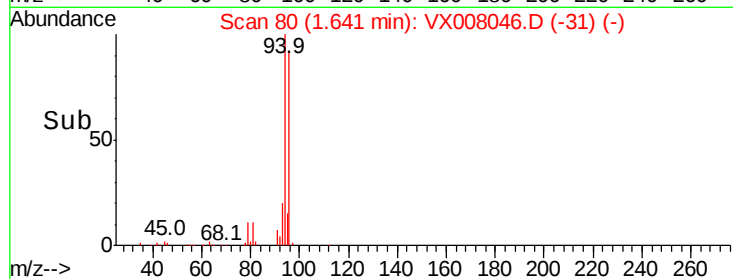
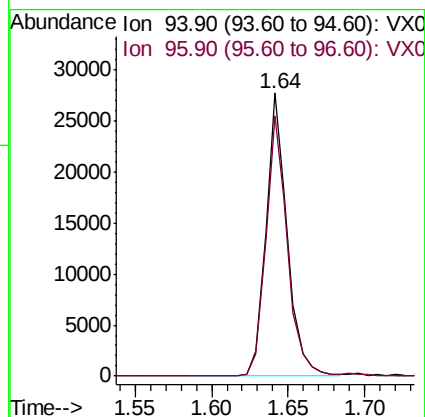
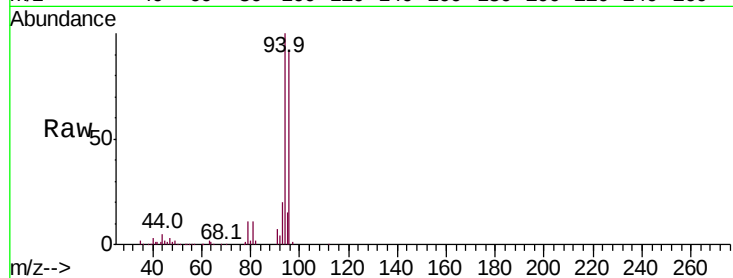
94 100

96 92.2 75.5 113.3

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#6

Chloroethane

Concen: 19.190 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008046.D

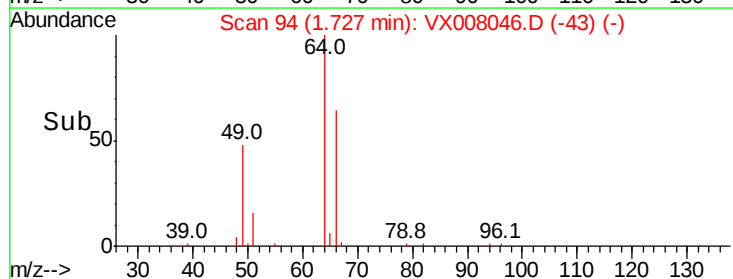
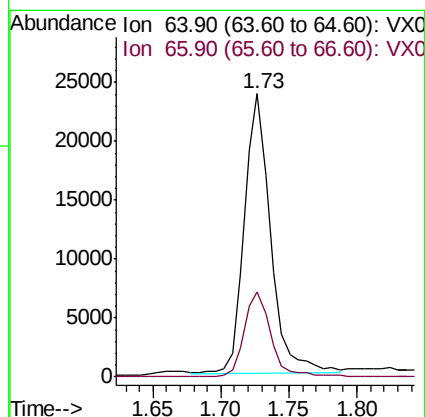
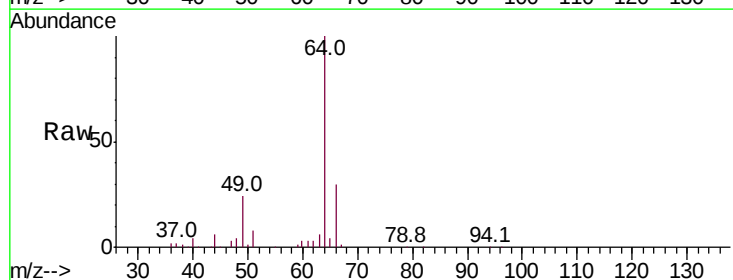
Acq: 13 Mar 2019 13:58

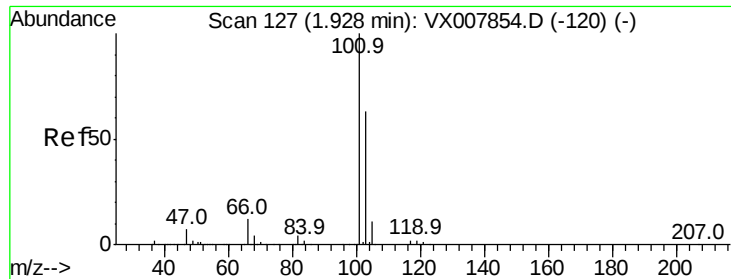
Tgt Ion: 64 Resp: 32038

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8





#7

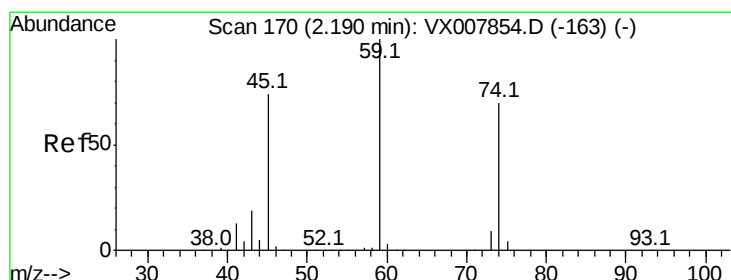
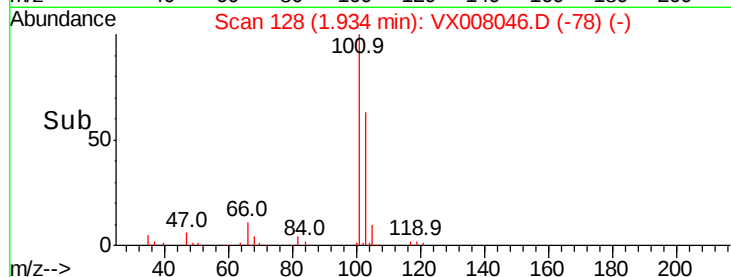
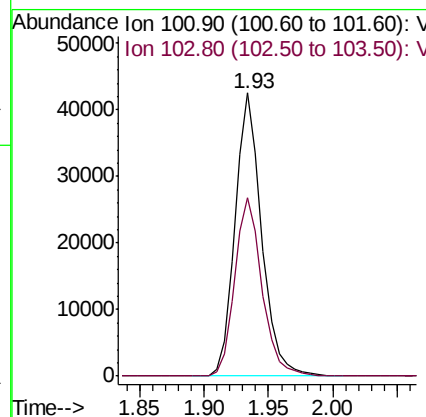
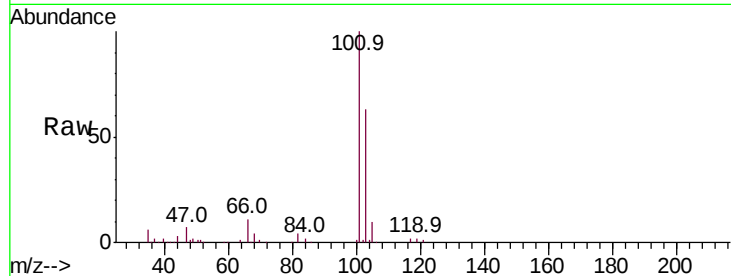
Trichlorofluoromethane
Concen: 18.697 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
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ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.4	75.6

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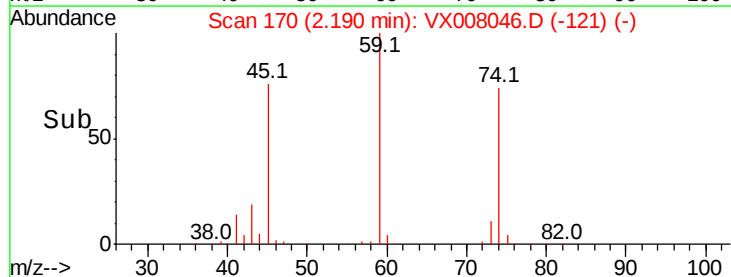
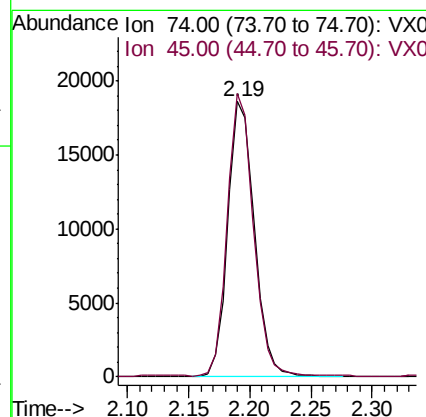
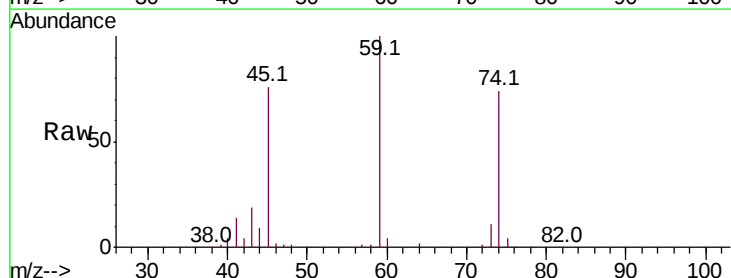
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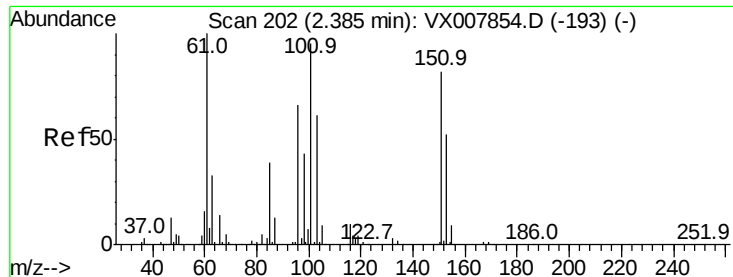


#8

Diethyl Ether
Concen: 19.785 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.081 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

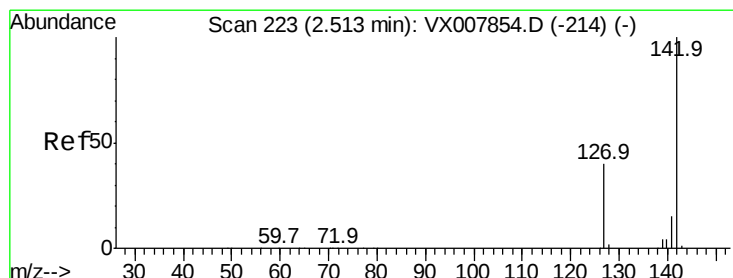
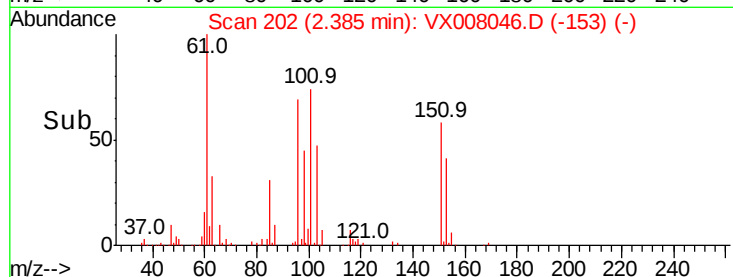
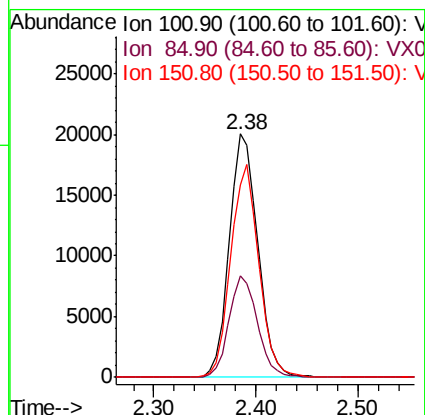
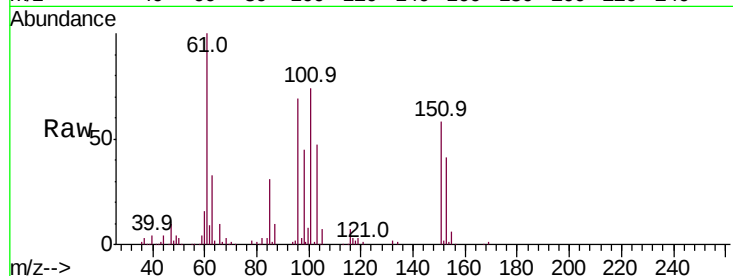
ClientSampleId :

VX0313WBS01

Tot Ion:	101	Resp:	38690
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.6
151	86.2	69.1	103.7

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#10

Methyl Iodide

Concen: 20.846 ug/l

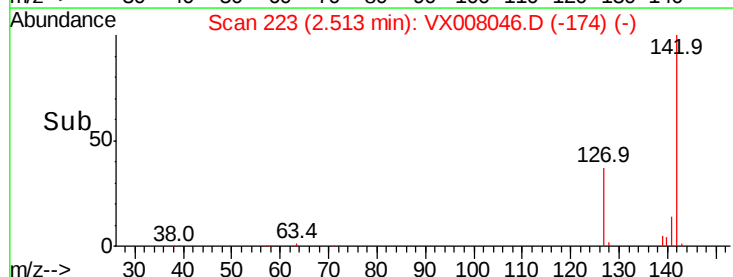
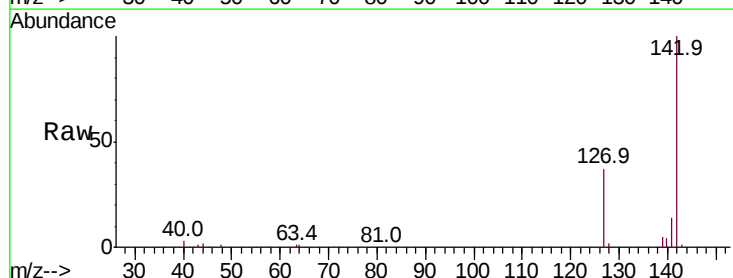
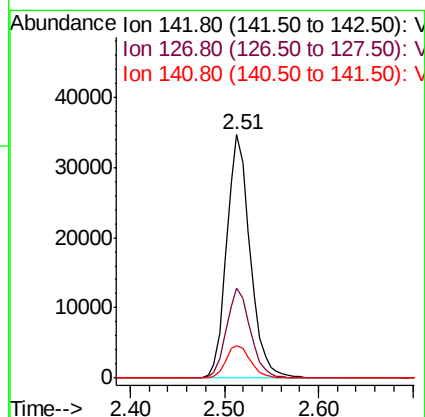
RT: 2.51 min Scan# 223

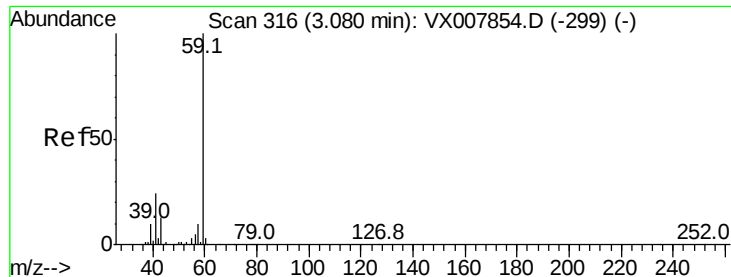
Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	142	Resp:	59965
Ion Ratio	Lower	Upper	
142	100		
127	37.8	32.1	48.1
141	14.0	11.4	17.2





#11

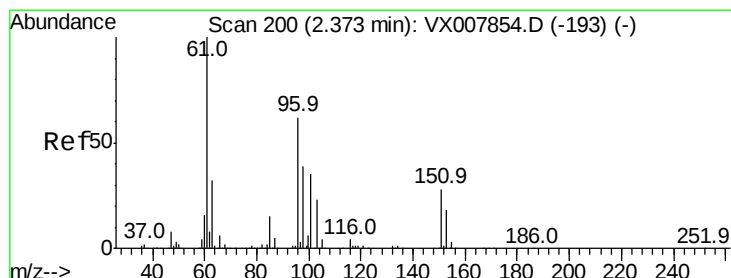
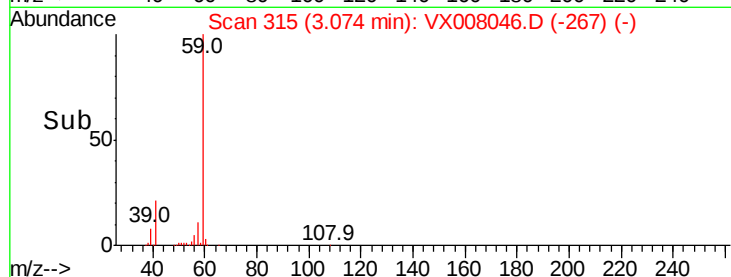
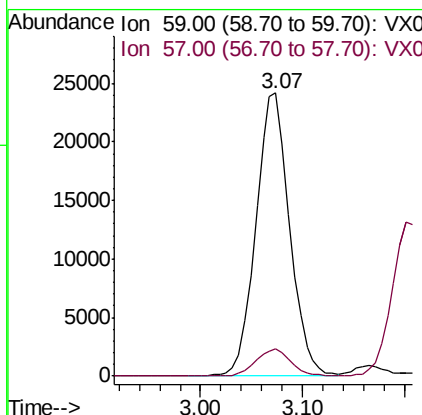
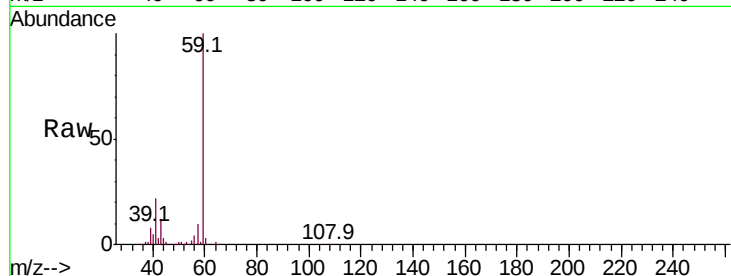
Tert butyl alcohol
 Concen: 102.681 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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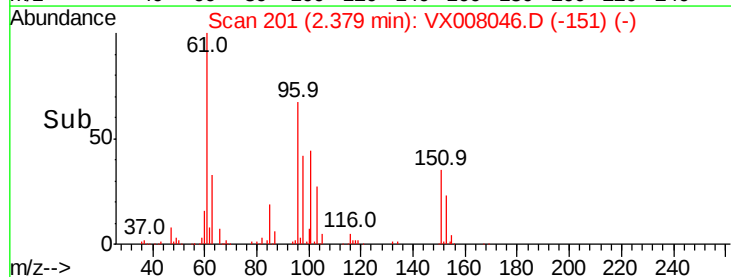
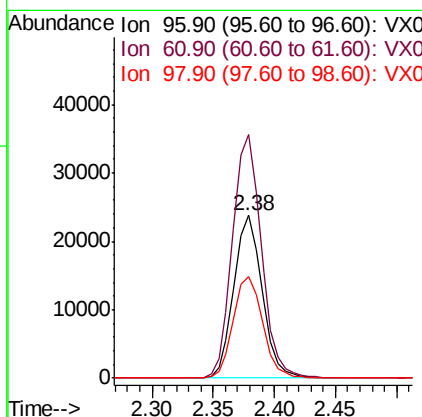
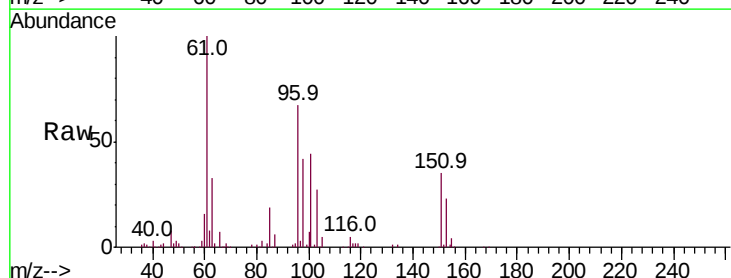
MMDadoda
 3/14/2019 10:17:55 AM

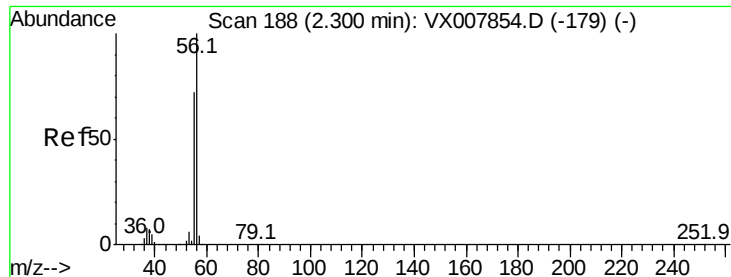


#12

1,1-Dichloroethene
 Concen: 19.597 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	129.8	194.6
98	62.4	51.0	76.6





#13

Acrolein

Concen: 80.294 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 56 Resp: 24303

Ion Ratio Lower Upper

56 100

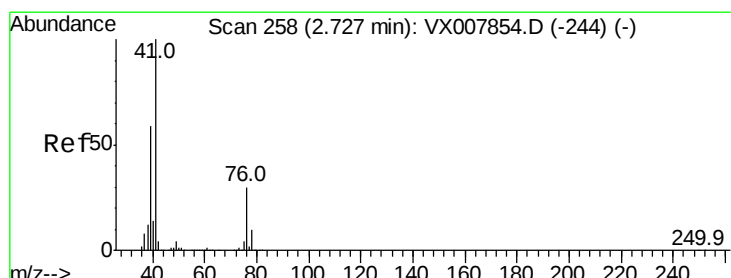
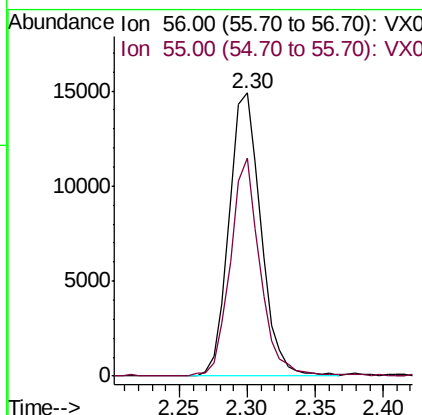
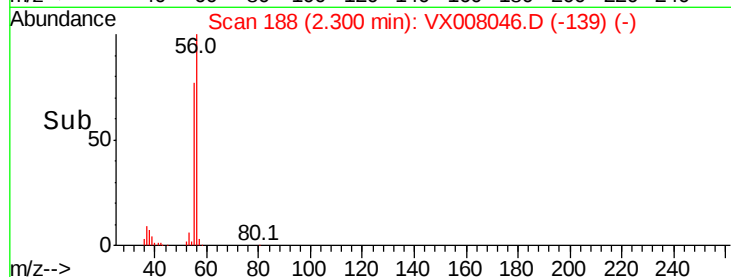
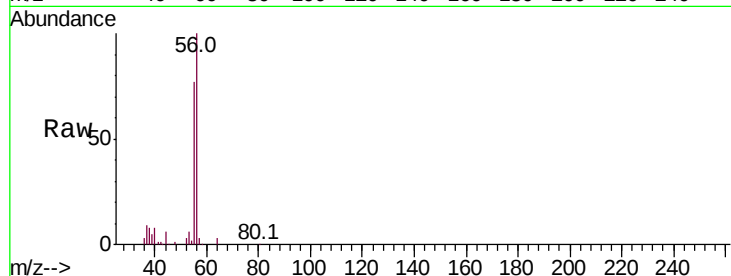
55 72.6 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.918 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

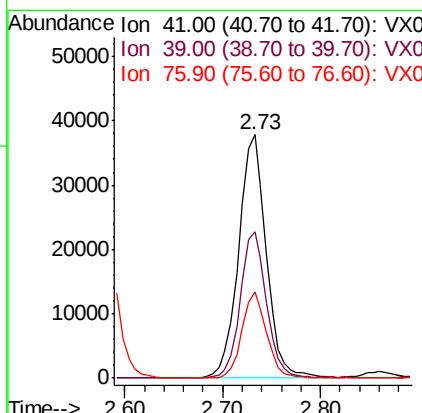
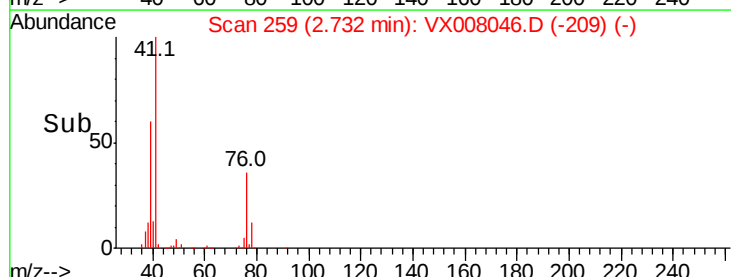
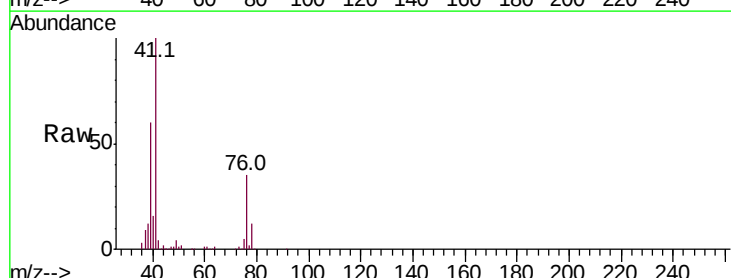
Tgt Ion: 41 Resp: 73591

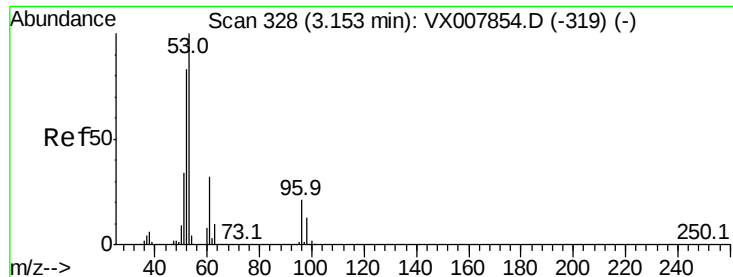
Ion Ratio Lower Upper

41 100

39 57.5 46.1 69.1

76 31.9 24.0 36.0





#15

Acrylonitrile

Concen: 97.567 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

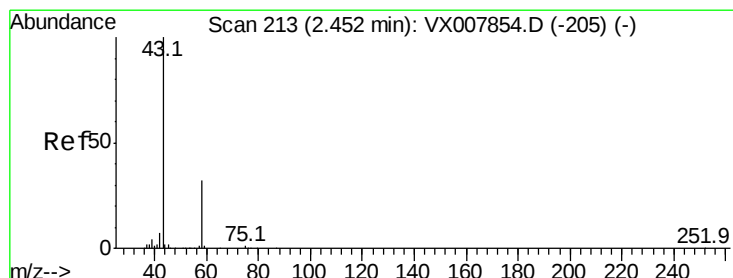
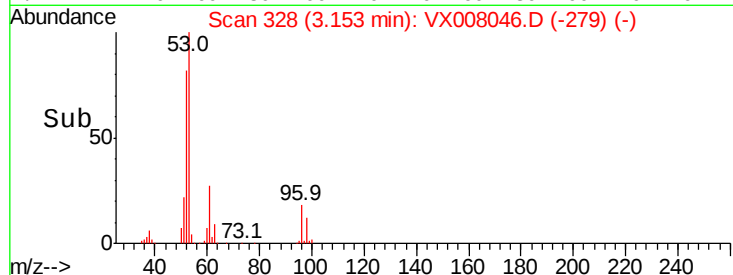
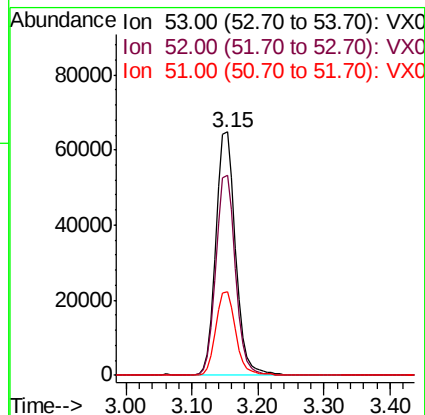
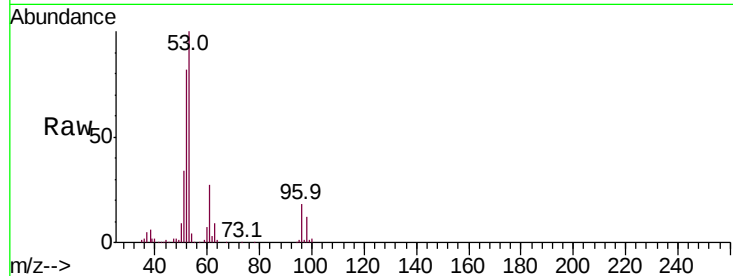
ClientSampleId :

VX0313WBS01

Tot Ion:	53	Resp:	133466
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.0	99.0
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 76.662 ug/l

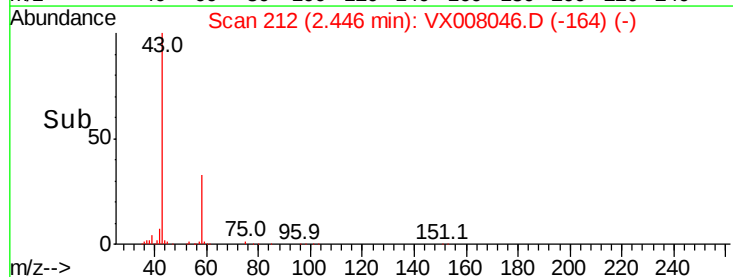
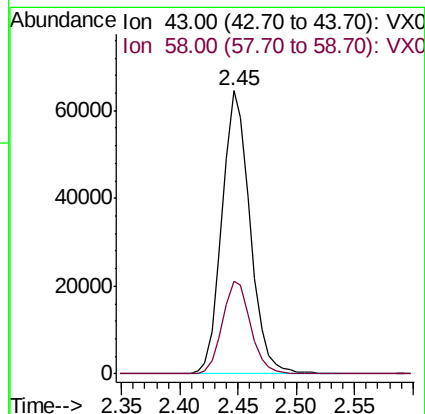
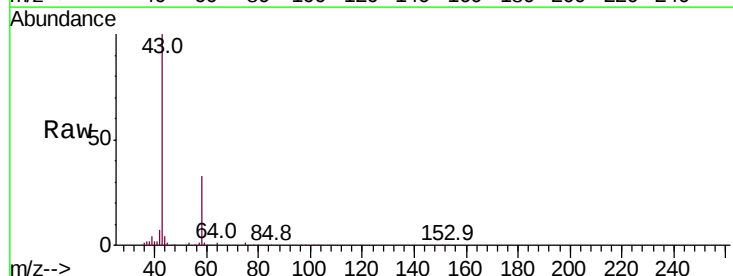
RT: 2.45 min Scan# 212

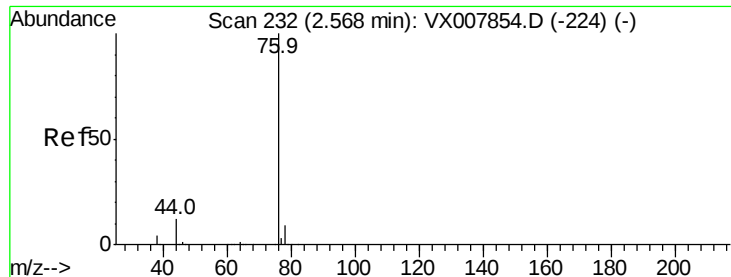
Delta R.T. -0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	43	Resp:	107532
Ion Ratio	Lower	Upper	
43	100		
58	32.7	25.5	38.3





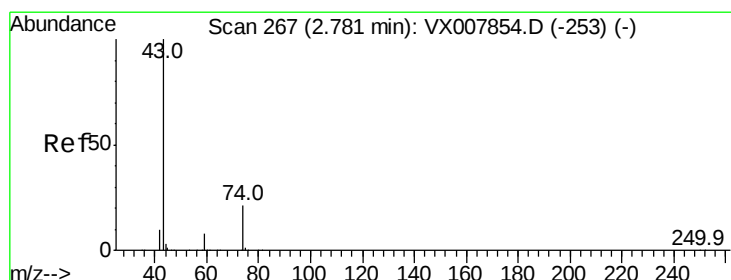
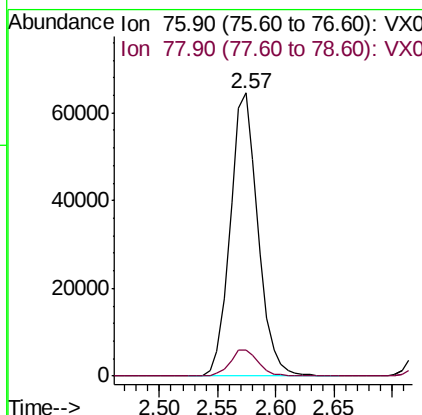
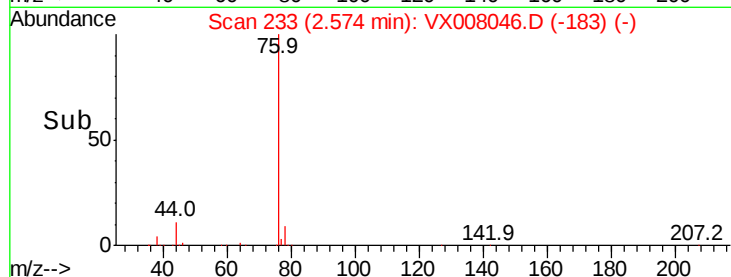
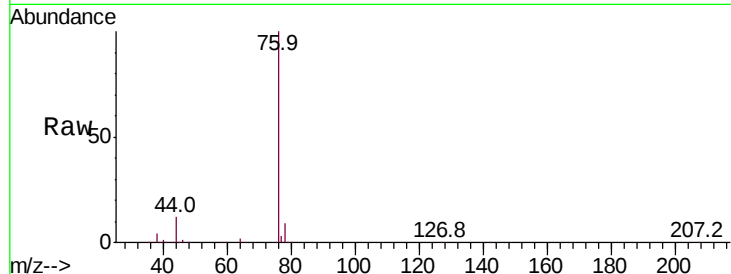
#17
Carbon Disulfide
Concen: 17.752 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 76 Resp: 107085
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

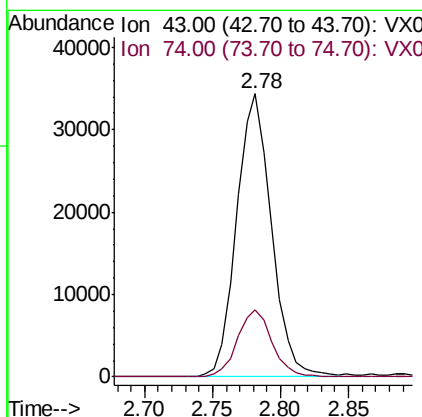
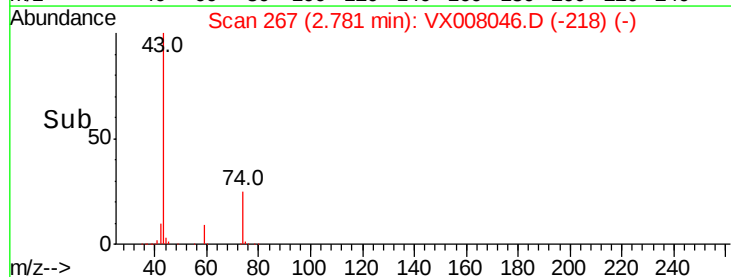
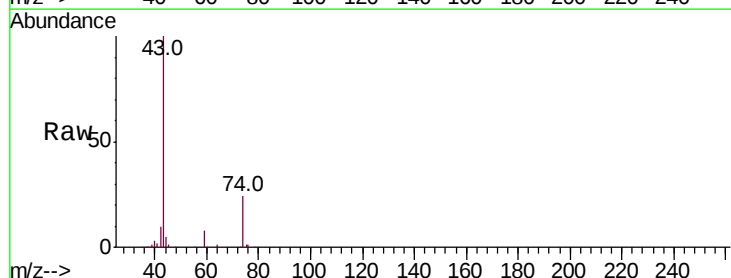
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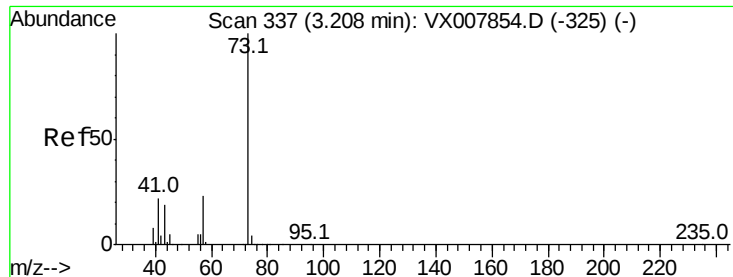
MMDadoda
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#18
Methyl Acetate
Concen: 20.445 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 43 Resp: 60923
Ion Ratio Lower Upper
43 100
74 24.3 17.8 26.6





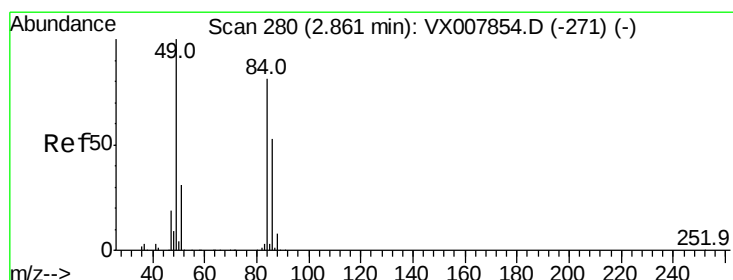
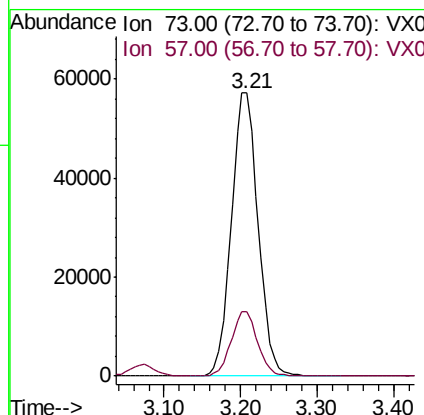
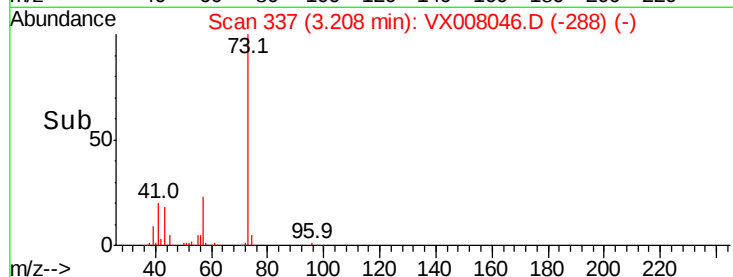
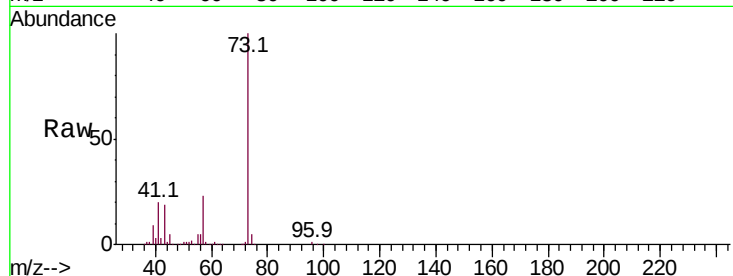
#19
Methvl tert-butvl Ether
Concen: 20.428 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 73 Resp: 137360
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

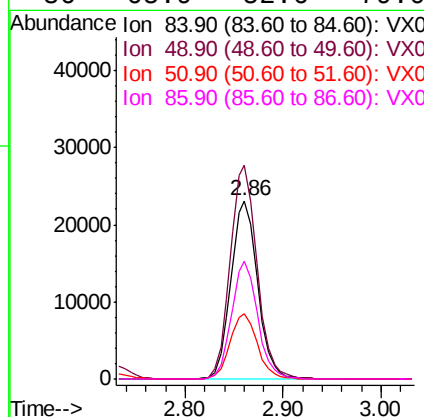
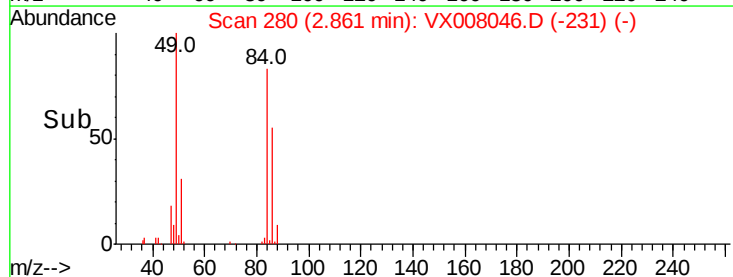
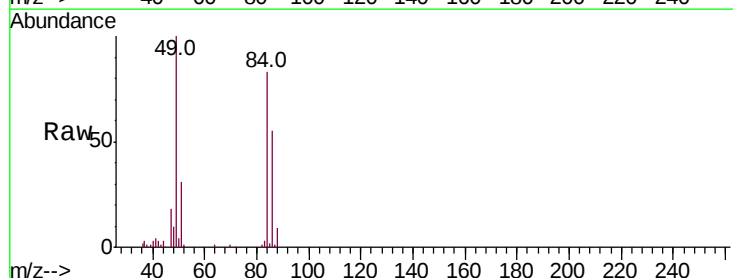
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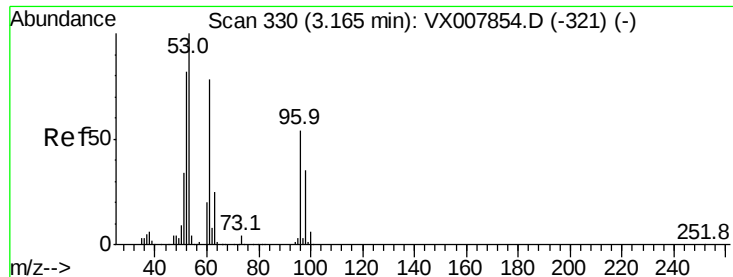
MMDadoda
3/14/2019 10:17:55 AM



#20
Methylene Chloride
Concen: 19.651 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 84 Resp: 43868
Ion Ratio Lower Upper
84 100
49 120.0 99.3 148.9
51 36.9 31.3 46.9
86 65.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.204 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

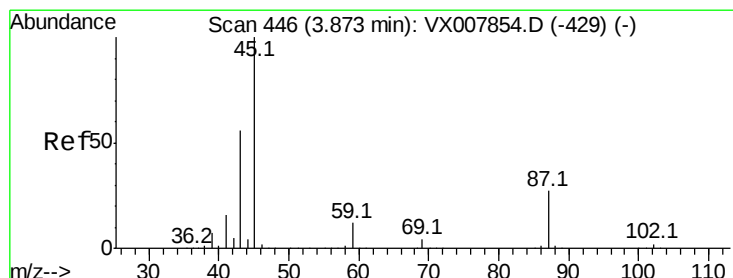
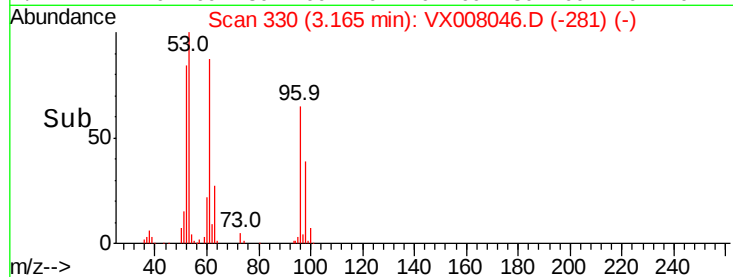
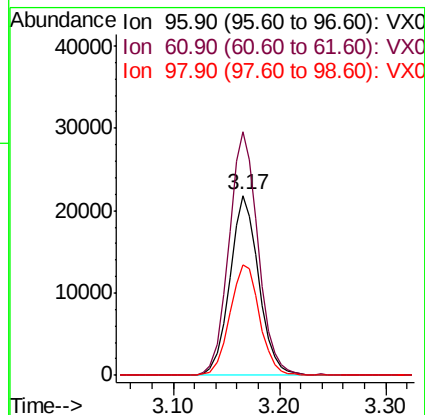
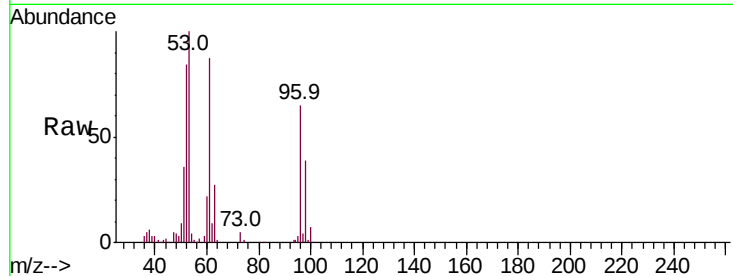
ClientSampleId :

VX0313WBS01

Tot Ion:	96	Resp:	41300
Ion	Ratio	Lower	Upper
96	100		
61	135.3	114.4	171.6
98	61.2	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.833 ug/l

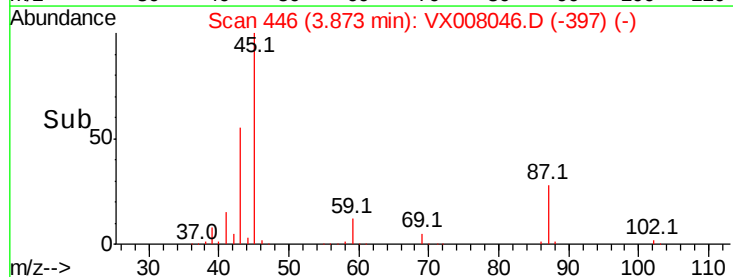
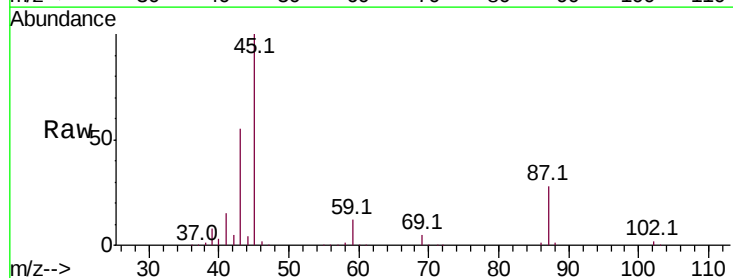
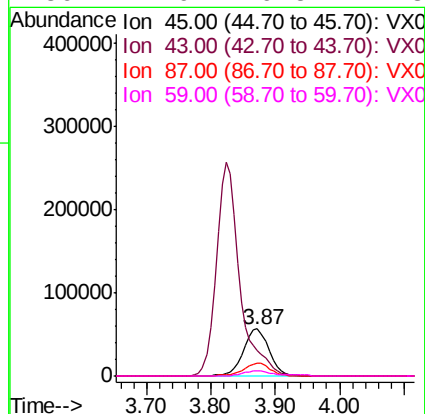
RT: 3.87 min Scan# 446

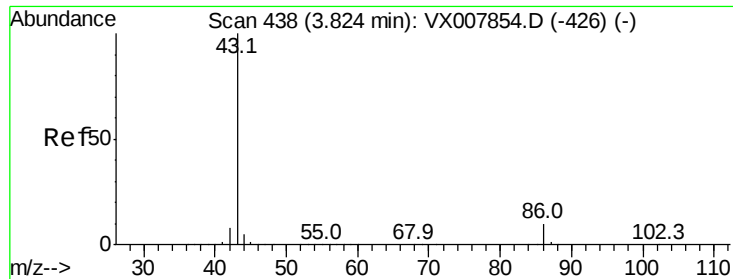
Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	45	Resp:	156842
Ion	Ratio	Lower	Upper
45	100		
43	55.0	45.3	67.9
87	27.7	21.4	32.0
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 99.165 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 43 Resp: 654699

Ion Ratio Lower Upper

43 100

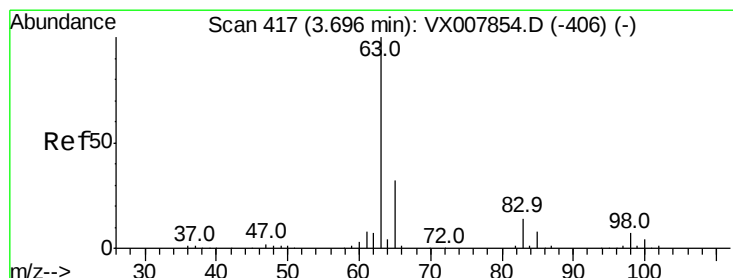
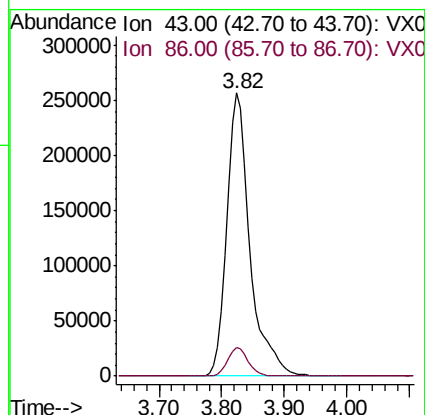
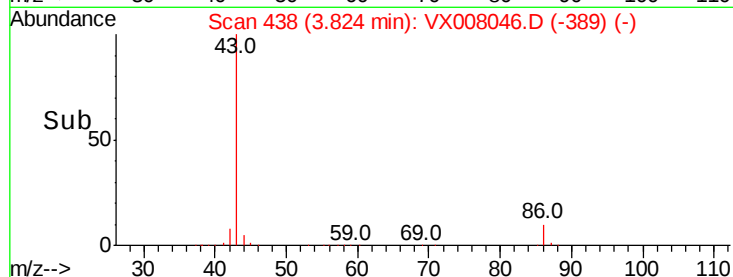
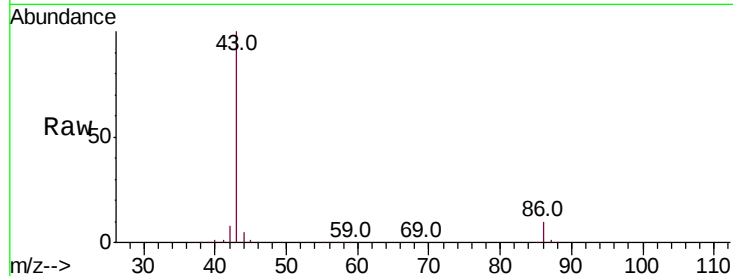
86 10.0 7.9 11.9

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.499 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

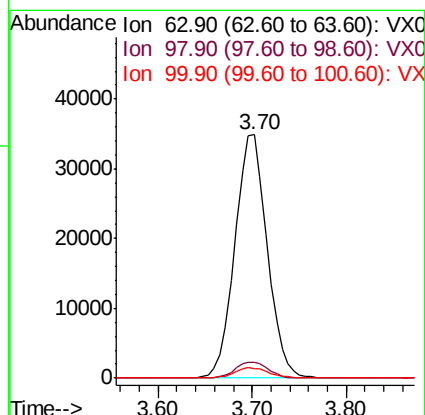
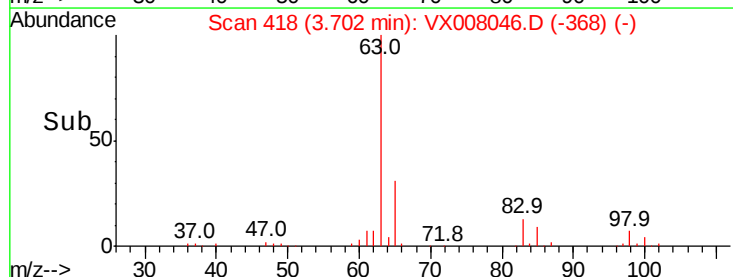
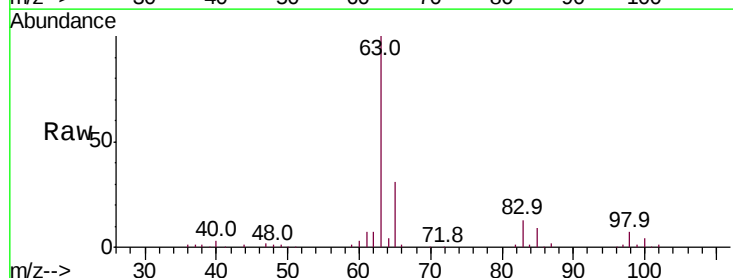
Tgt Ion: 63 Resp: 83055

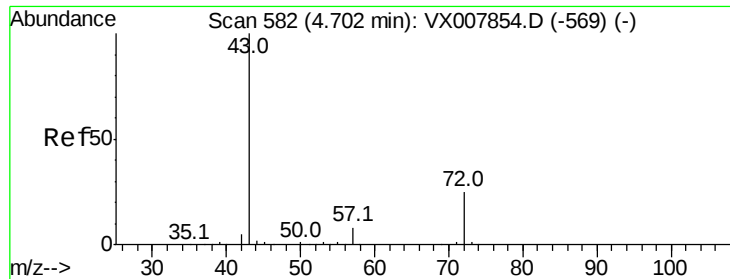
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 97.374 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 43 Resp: 193368

Ion Ratio Lower Upper

43 100

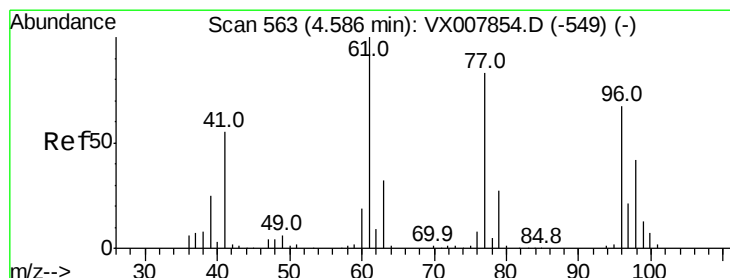
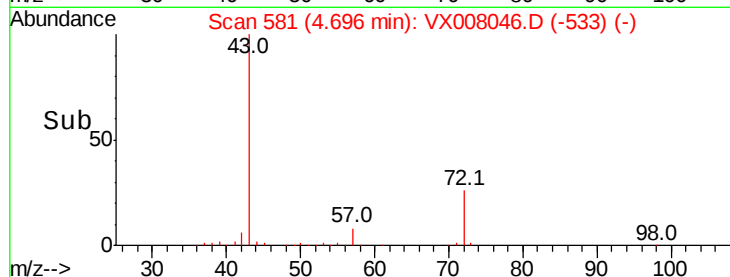
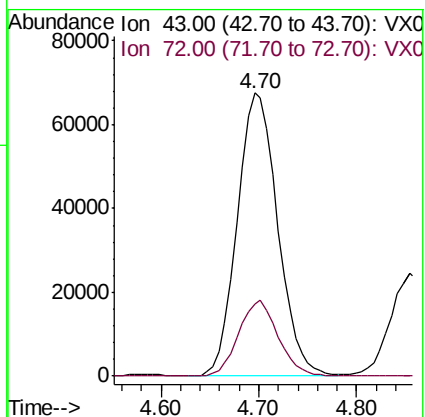
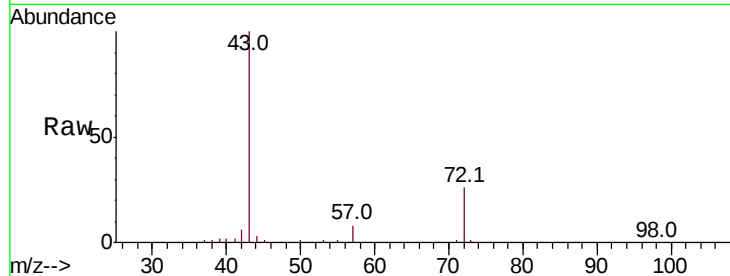
72 25.6 19.9 29.9

Manual Integrations

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MMDadoda

3/14/2019 10:17:55 AM



#26

2,2-Dichloropropane

Concen: 19.136 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008046.D

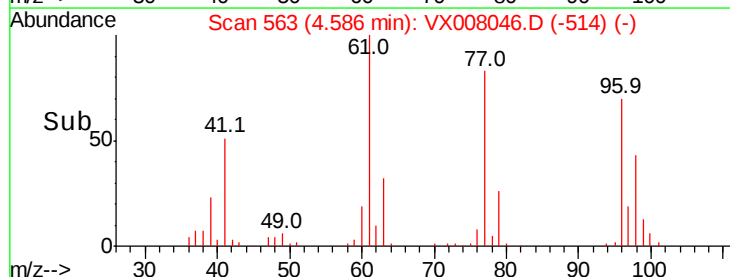
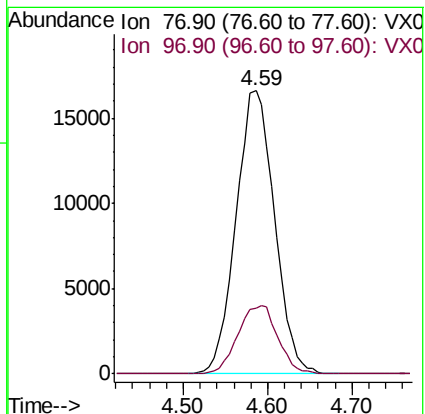
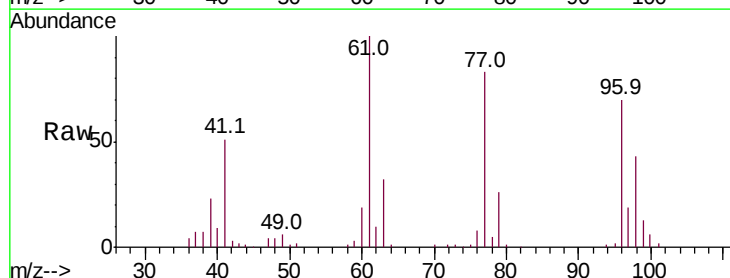
Acq: 13 Mar 2019 13:58

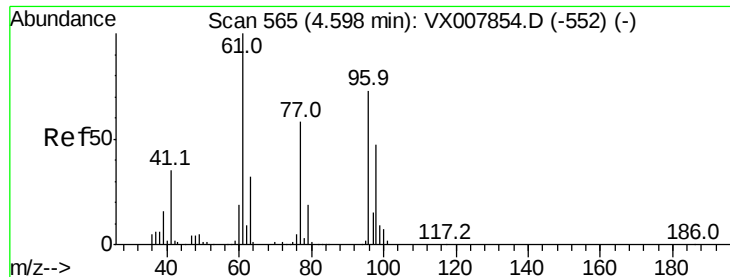
Tgt Ion: 77 Resp: 51365

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

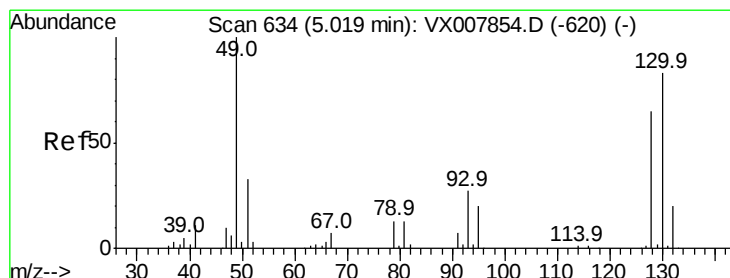
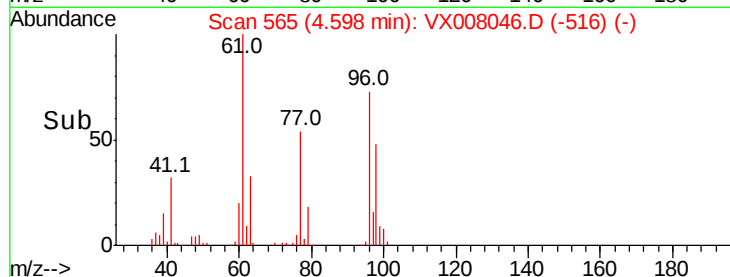
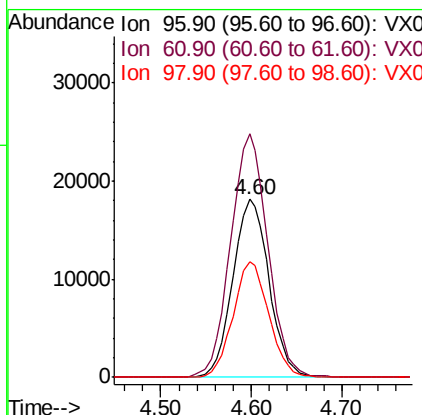
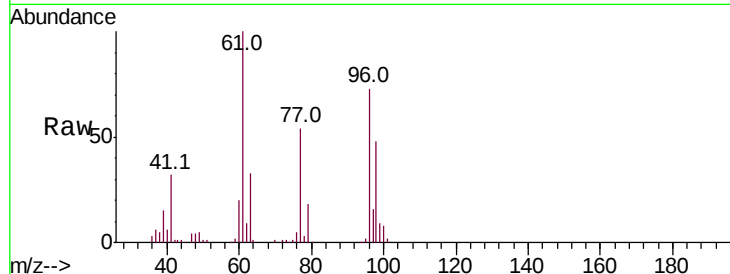
cis-1,2-Dichloroethene
Concen: 20.421 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50255		
61	140.7		0.0	288.0
98	64.2		0.0	129.0

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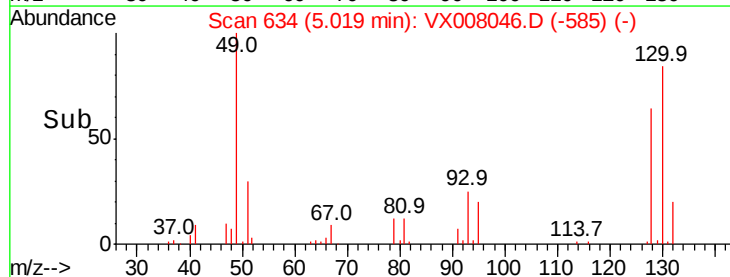
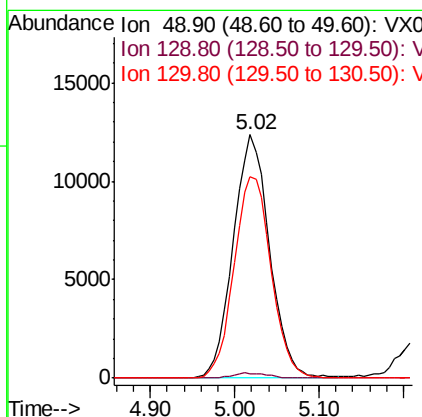
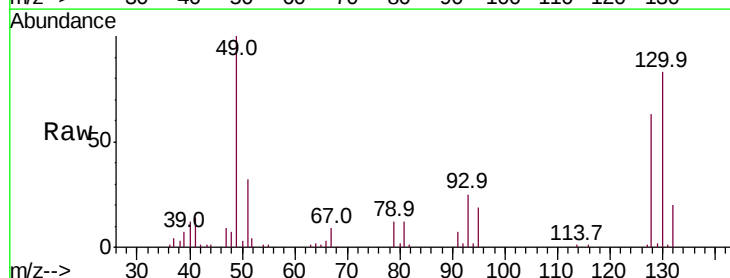
MMDadoda
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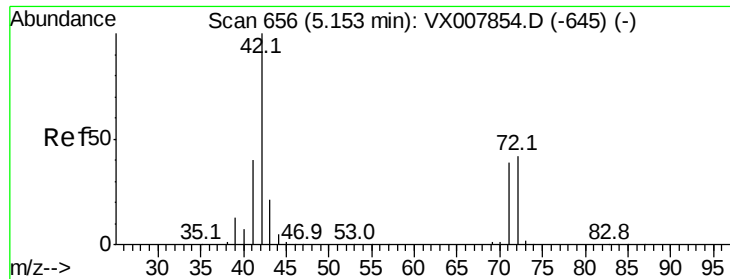


#28

Bromochloromethane
Concen: 19.123 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36120		
129	2.0		0.0	4.0
130	84.1		65.0	97.4





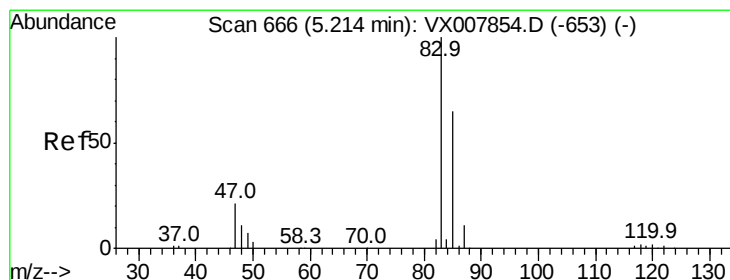
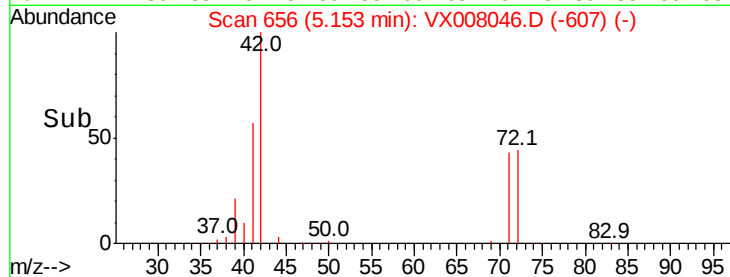
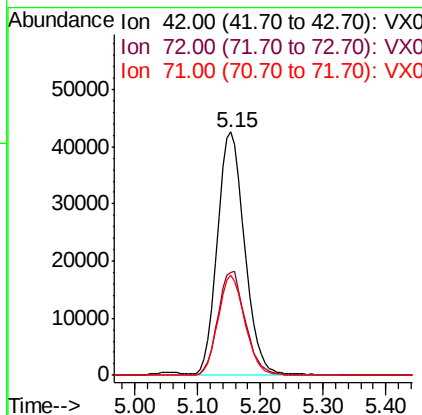
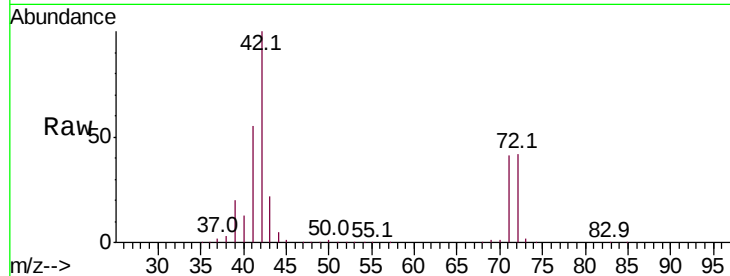
#29
Tetrahydrofuran
Concen: 103.614 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.8	50.6
71	40.5	31.5	47.3

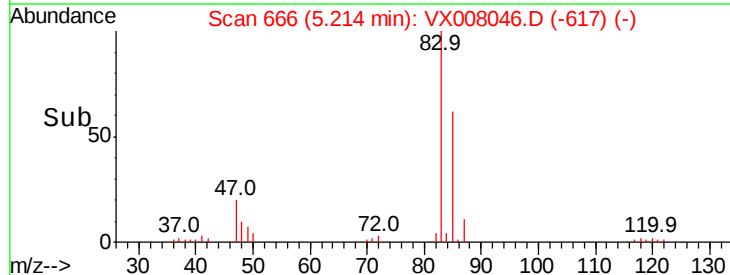
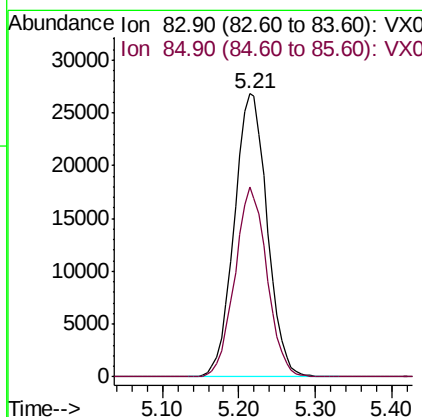
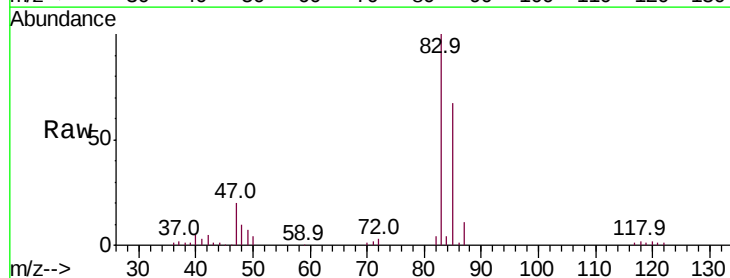
Manual Integrations
APPROVED

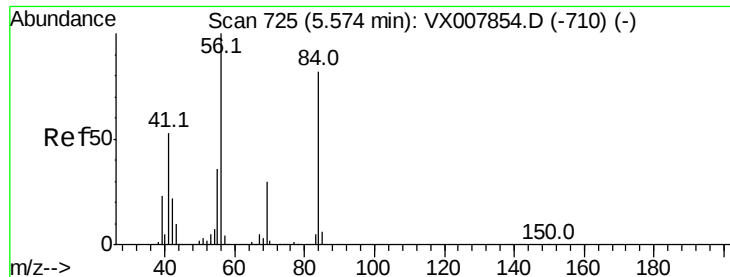
MMDadoda
3/14/2019 10:17:55 AM



#30
Chloroform
Concen: 20.897 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.6





#31

Cyclohexane

Concen: 19.775 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

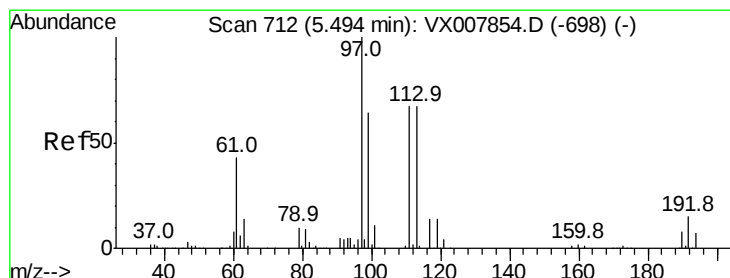
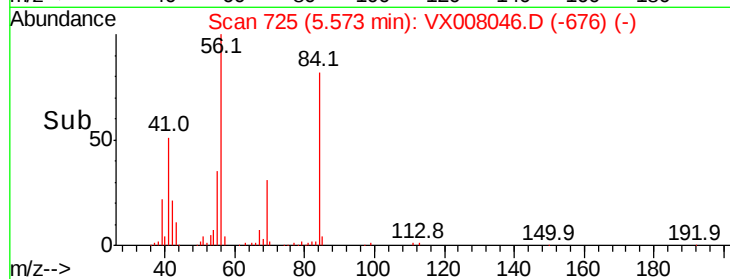
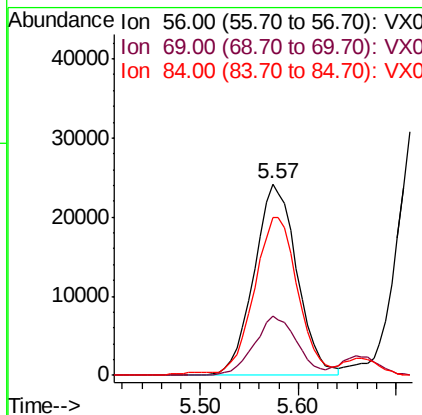
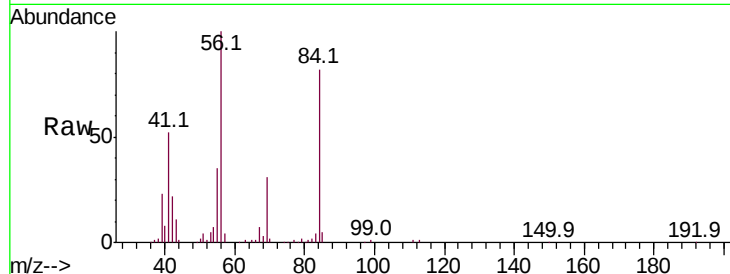
ClientSampleId :

VX0313WBS01

Tot Ion:	56	Resp:	73637
Ion Ratio	Lower	Upper	
56	100		
69	31.1	24.0	36.0
84	81.0	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.912 ug/l

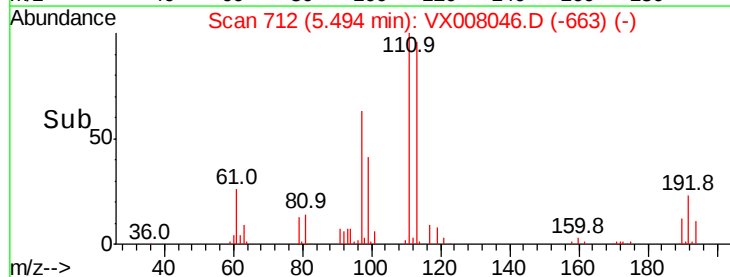
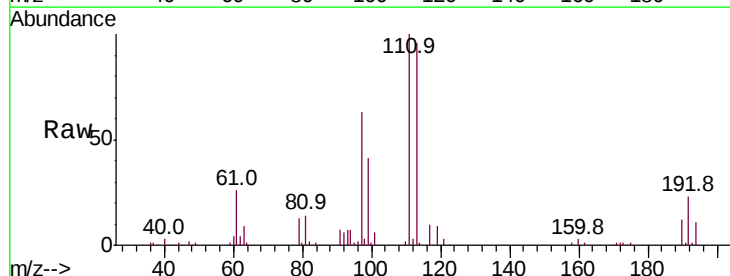
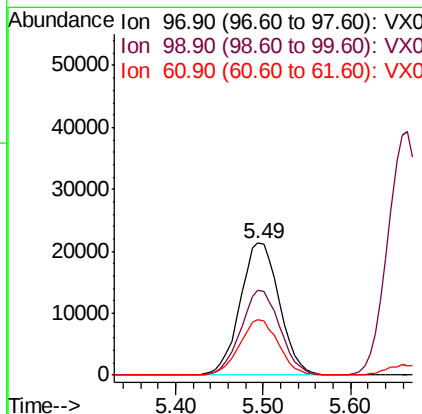
RT: 5.49 min Scan# 712

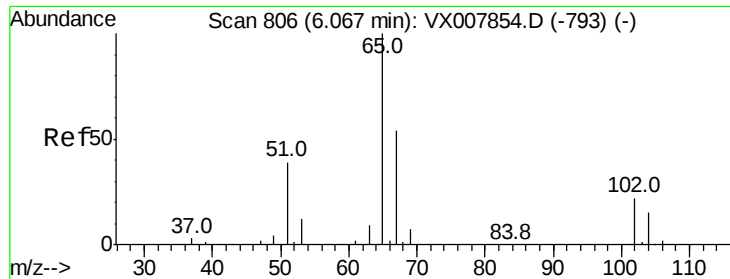
Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	97	Resp:	66498
Ion Ratio	Lower	Upper	
97	100		
99	64.2	52.2	78.2
61	41.7	34.9	52.3





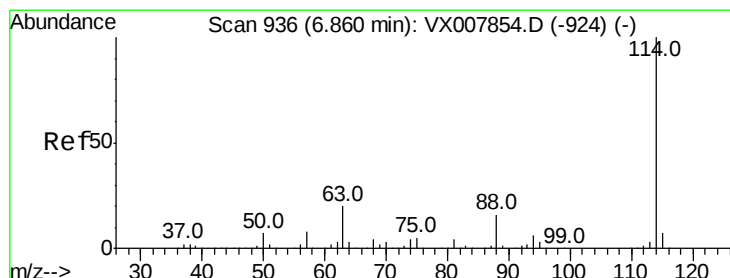
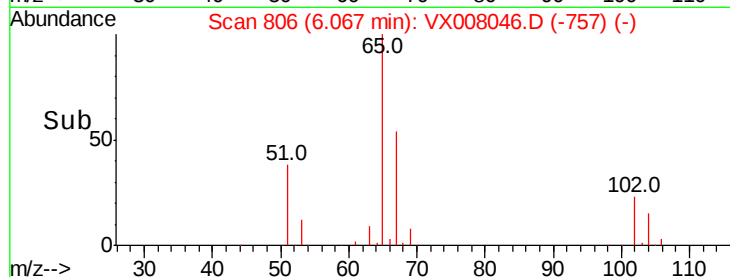
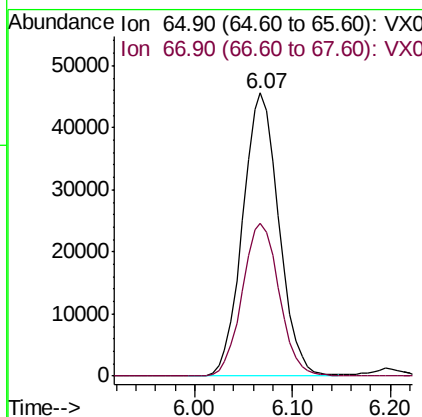
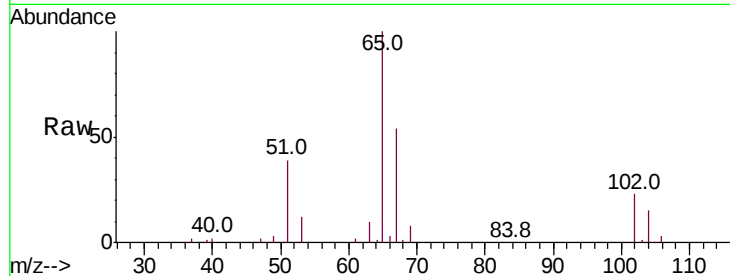
#33
 1,2-Dichloroethane-d4
 Concen: 48.557 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.0

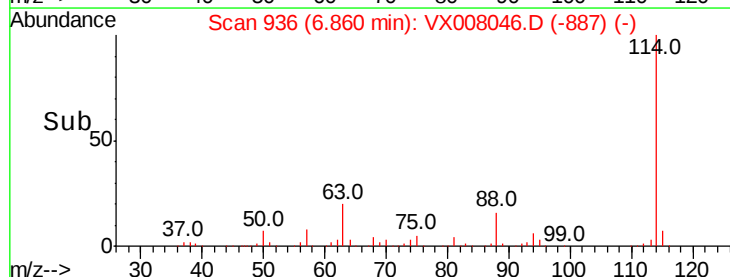
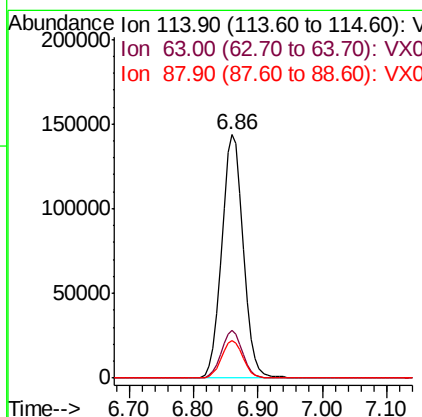
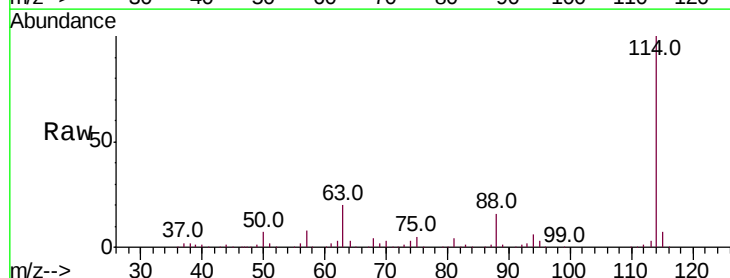
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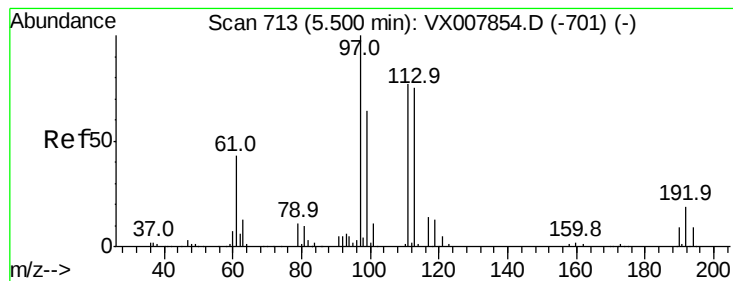
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.5	0.0	31.4





#35

Dibromofluoromethane

Concen: 48.224 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

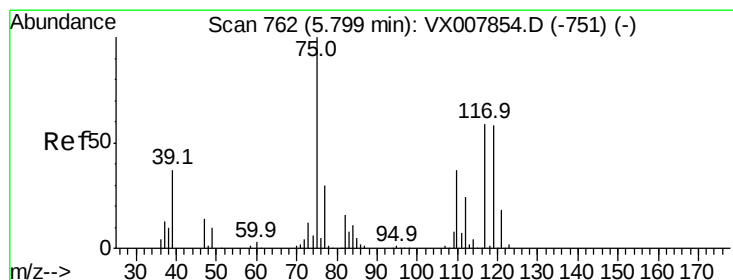
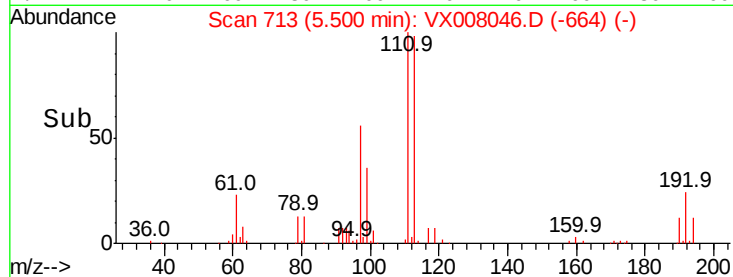
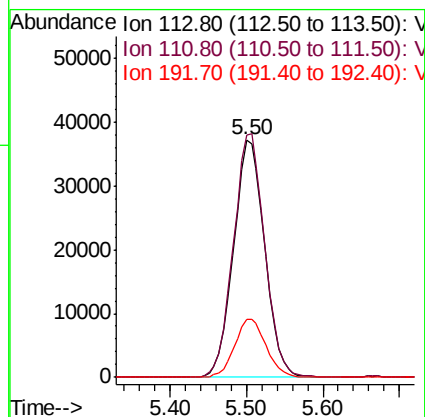
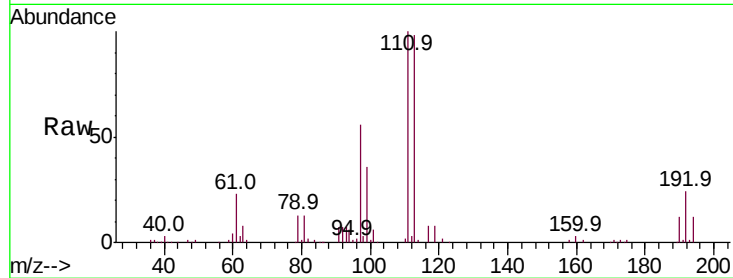
ClientSampleId :

VX0313WBS01

Tot Ion:	113	Resp:	104953
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.4	122.0
192	24.5	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.767 ug/l

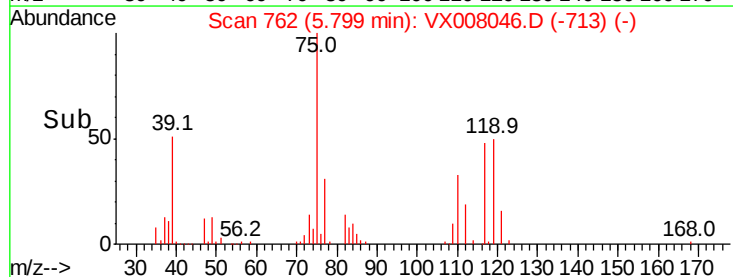
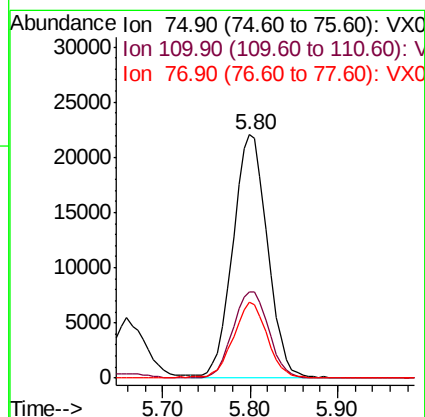
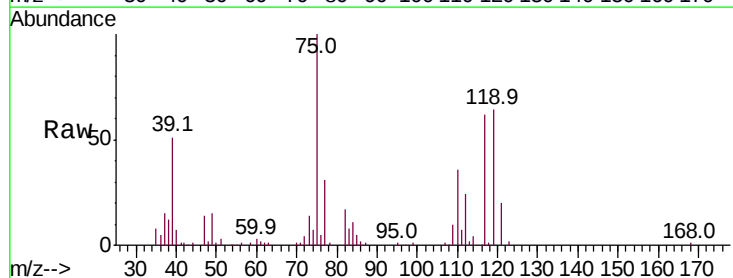
RT: 5.80 min Scan# 762

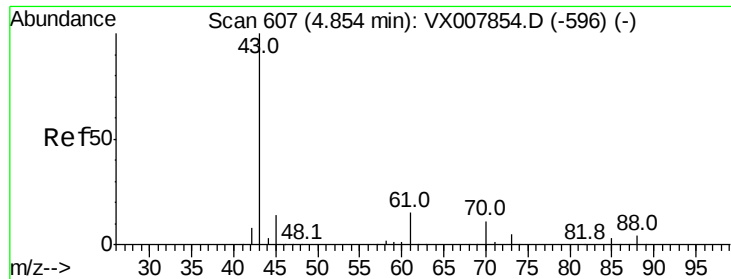
Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	75	Resp:	60896
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.4	55.0
77	30.6	25.0	37.4





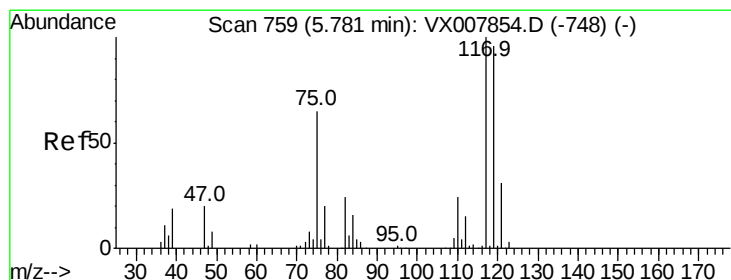
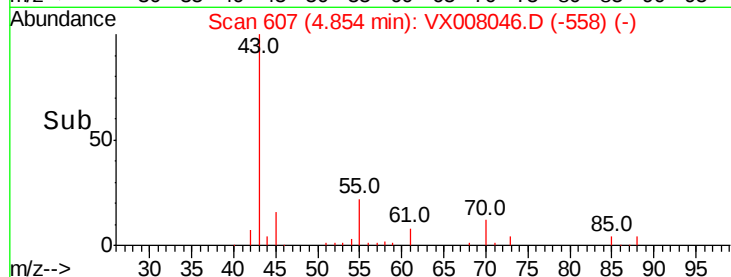
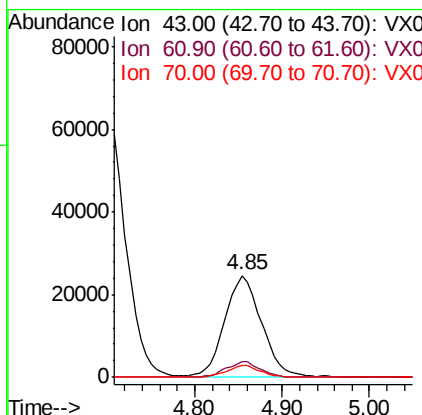
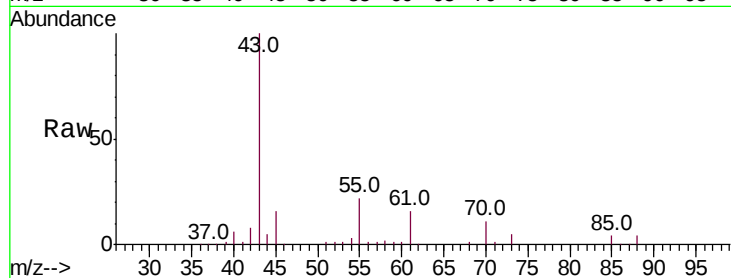
#37
Ethyl Acetate
Concen: 19.525 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion:	43	Resp:	71381
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.3	16.9
70	11.0	8.5	12.7

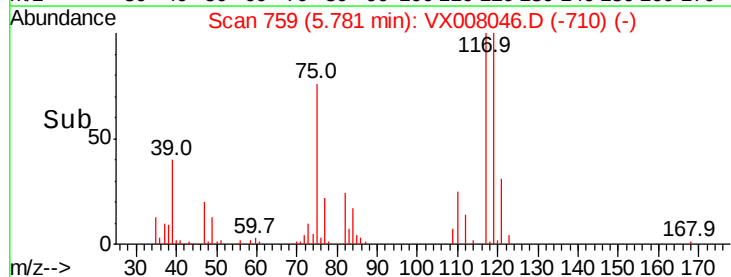
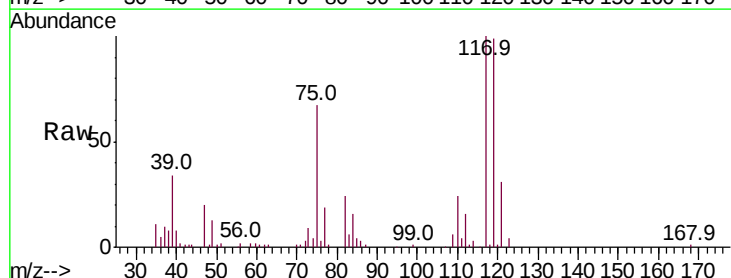
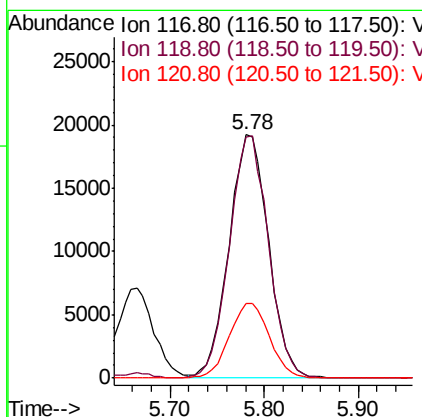
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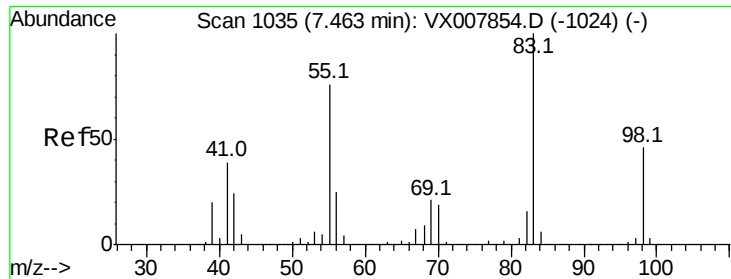
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#38
Carbon Tetrachloride
Concen: 19.218 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:	117	Resp:	56208
Ion Ratio	Lower	Upper	
117	100		
119	98.9	76.2	114.2
121	30.6	24.6	36.8





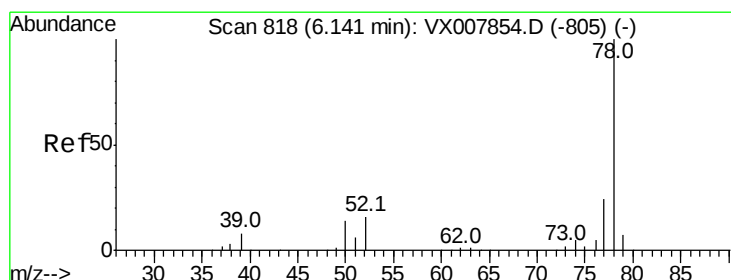
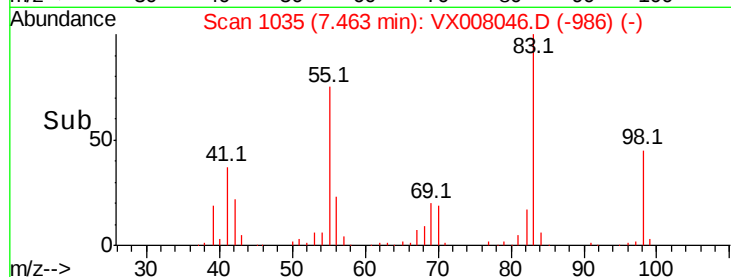
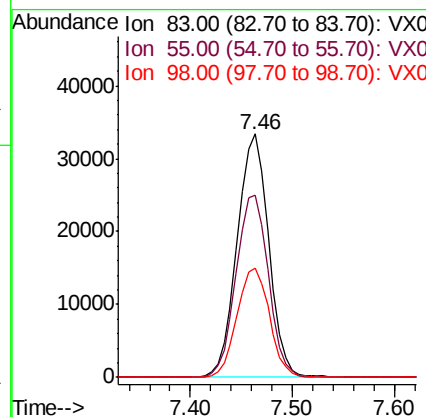
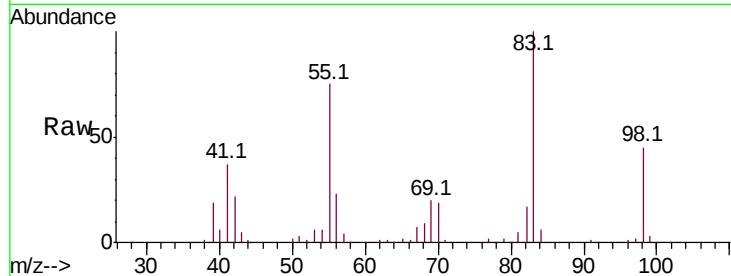
#39
Methvlcvclohexane
Concen: 19.233 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.4	90.6
98	44.8	36.5	54.7

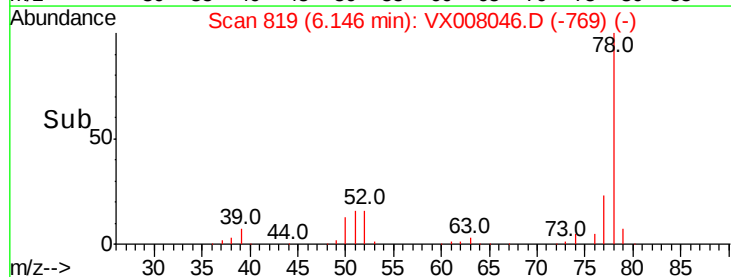
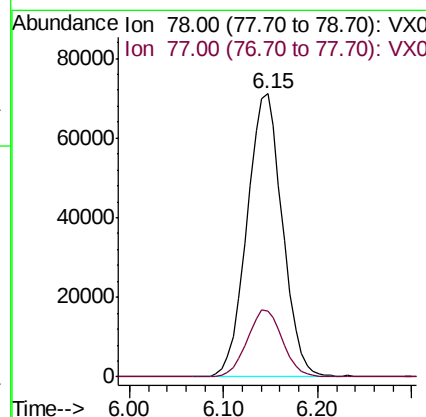
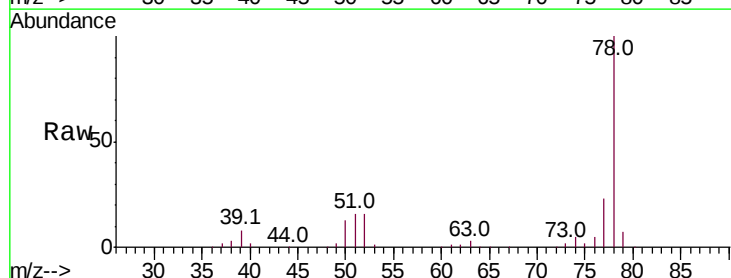
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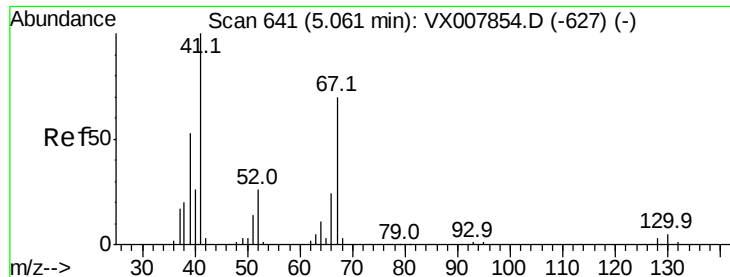
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#40
Benzene
Concen: 20.468 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





#41

Methacrylonitrile

Concen: 20.428 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 41 Resp: 40716

Ion Ratio Lower Upper

41 100

39 52.8 41.6 62.4

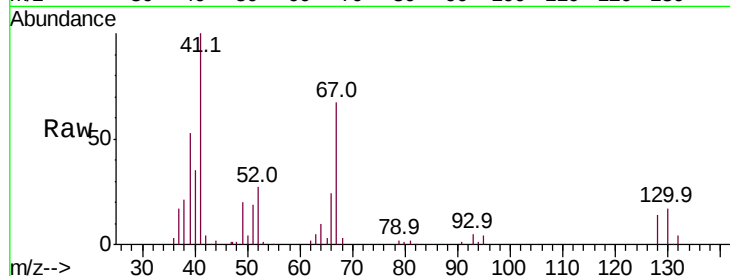
67 70.9 55.8 83.6

52 27.3 21.7 32.5

Manual Integrations
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3/14/2019 10:17:55 AM

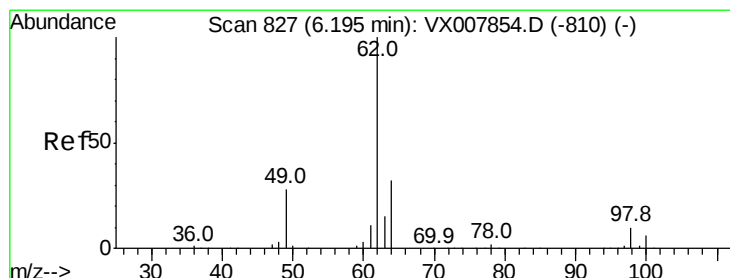
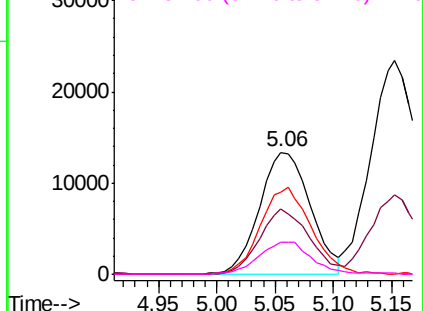
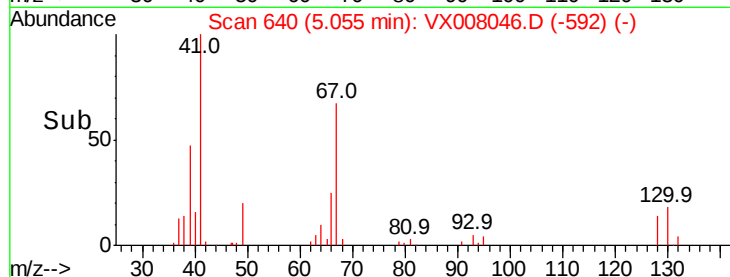


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.255 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008046.D

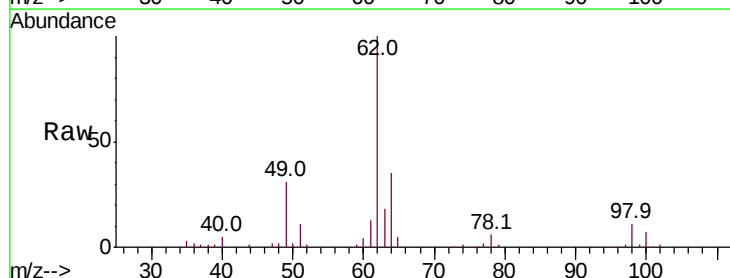
Acq: 13 Mar 2019 13:58

Tgt Ion: 62 Resp: 60751

Ion Ratio Lower Upper

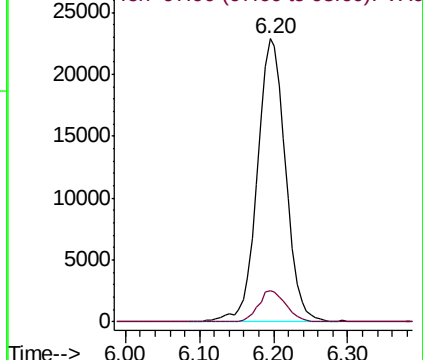
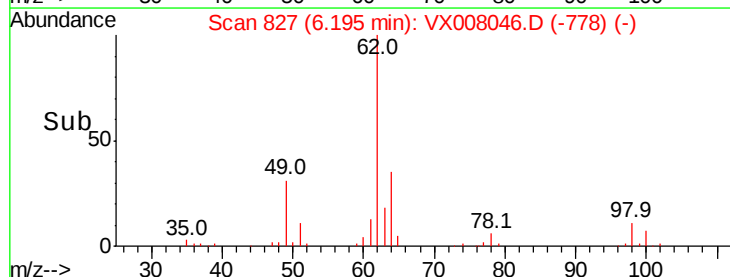
62 100

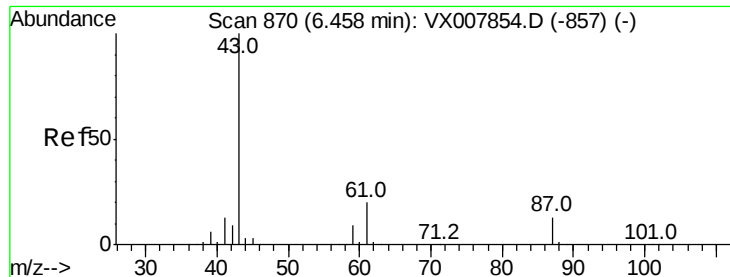
98 10.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.321 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

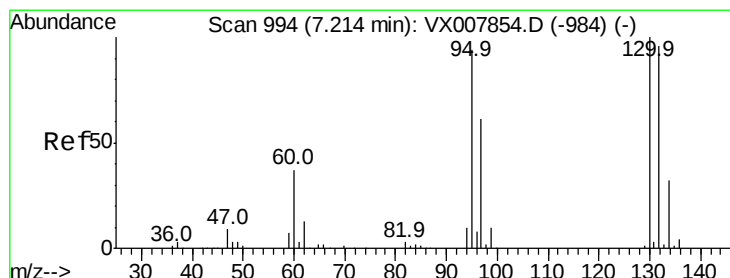
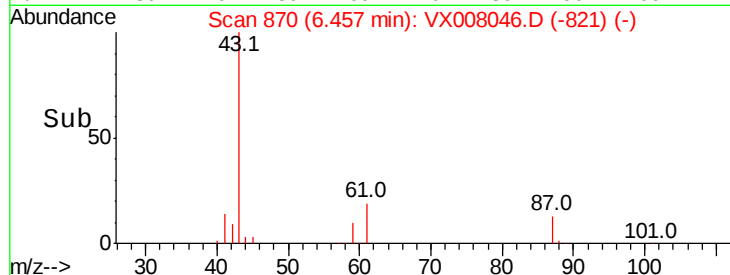
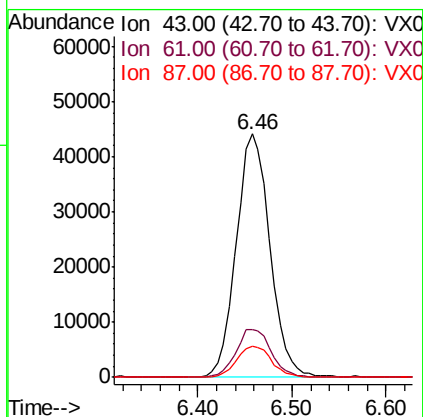
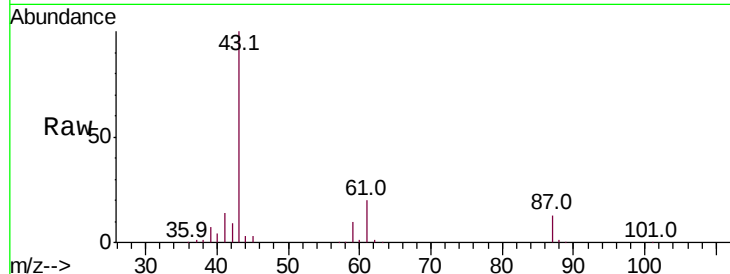
ClientSampleId :

VX0313WBS01

Tot Ion:	43	Resp:	109951
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.3	24.5
87	13.3	10.5	15.7

Manual Integrations
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3/14/2019 10:17:55 AM



#44

Trichloroethene

Concen: 20.404 ug/l

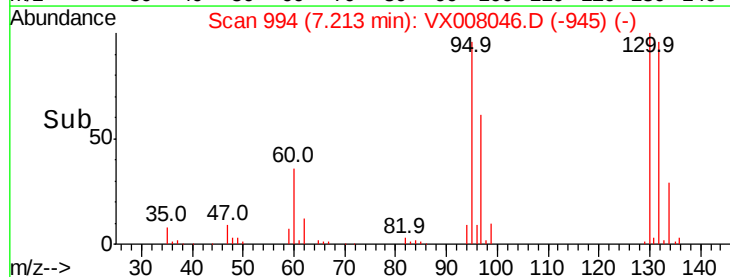
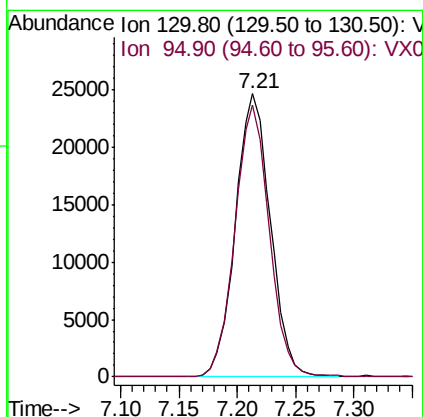
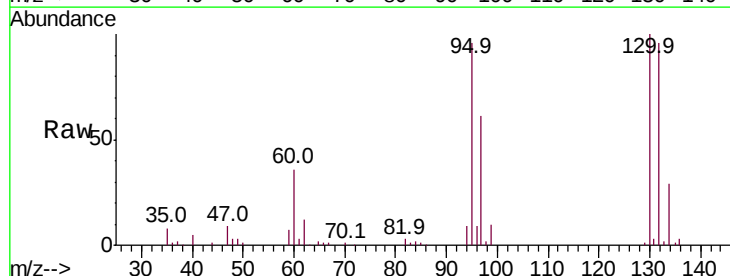
RT: 7.21 min Scan# 994

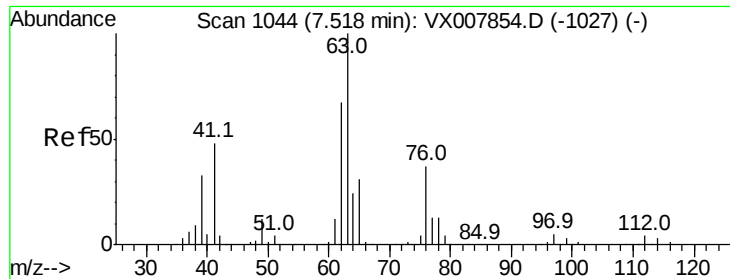
Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	130	Resp:	51570
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	188.0





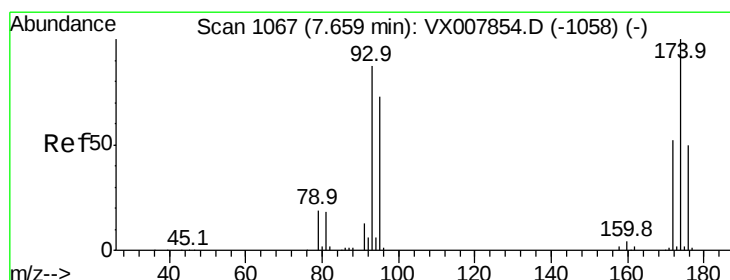
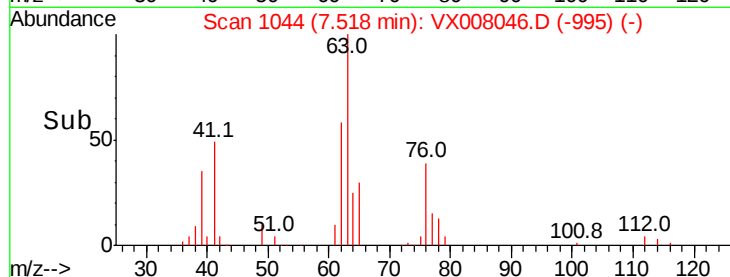
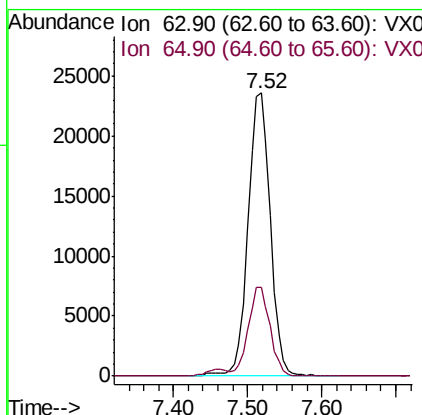
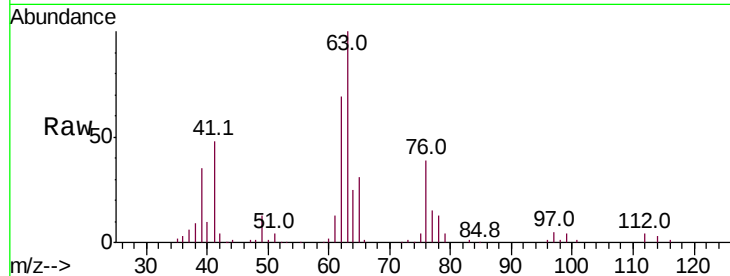
#45
1,2-Dichloropropane
Concen: 20.472 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 63 Resp: 49590
Ion Ratio Lower Upper
63 100
65 31.3 24.7 37.1

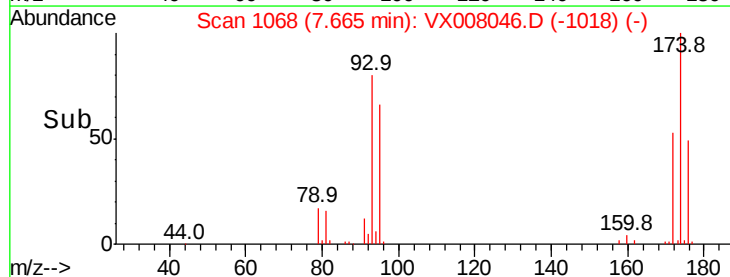
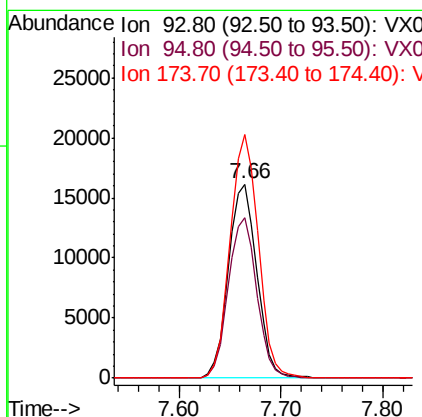
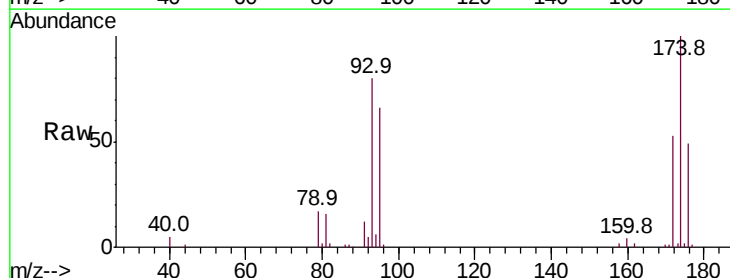
Manual Integrations
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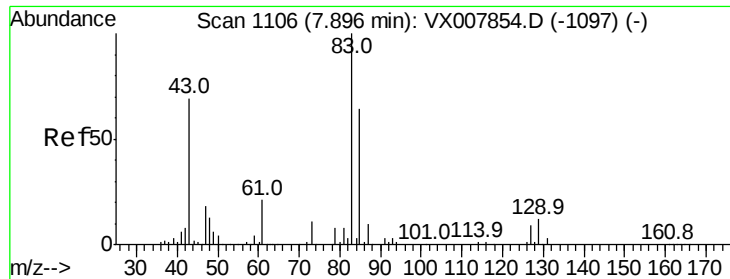
MMDadoda
3/14/2019 10:17:55 AM



#46
Dibromomethane
Concen: 20.320 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 93 Resp: 31151
Ion Ratio Lower Upper
93 100
95 82.9 66.8 100.2
174 124.3 97.3 145.9





#47

Bromodichloromethane

Concen: 19.503 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

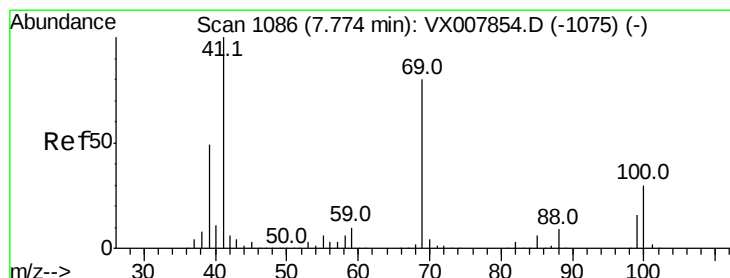
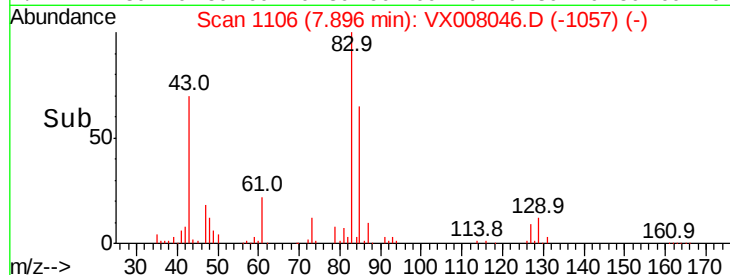
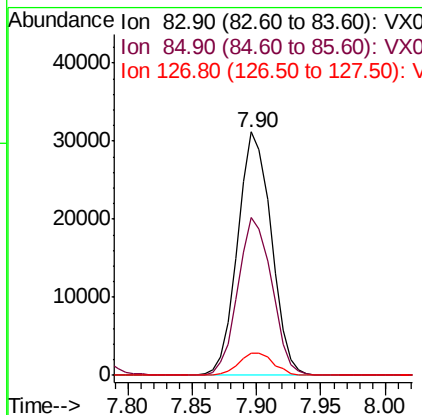
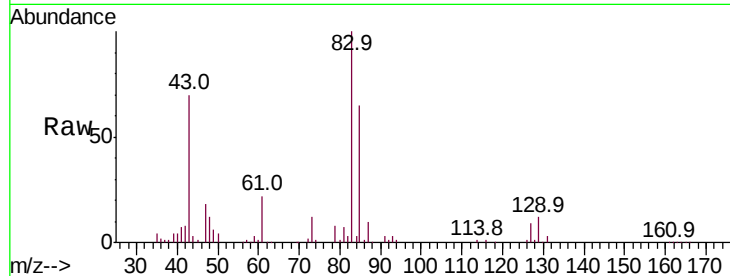
ClientSampleId :

VX0313WBS01

Tot Ion:	83	Resp:	56686
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.251 ug/l

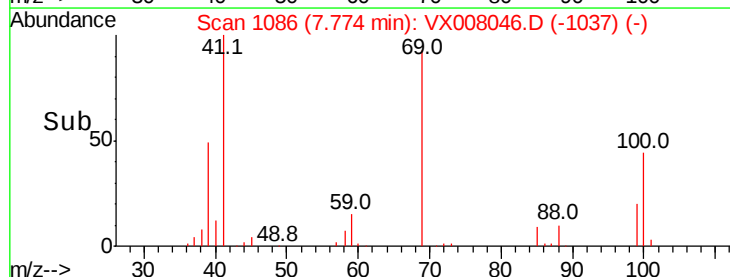
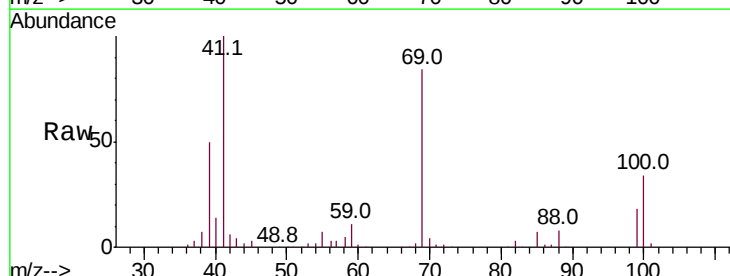
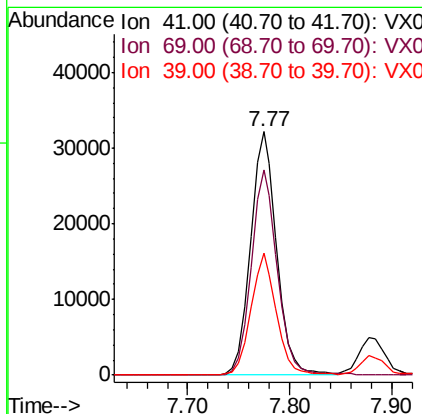
RT: 7.77 min Scan# 1086

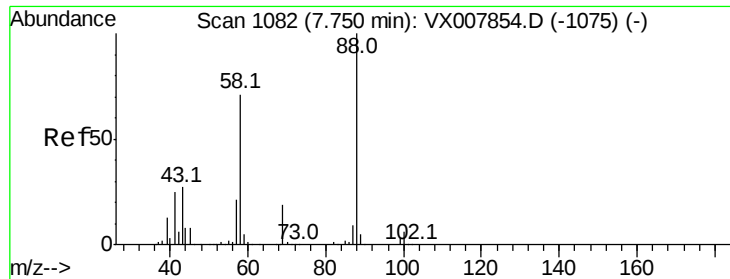
Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	41	Resp:	57607
Ion	Ratio	Lower	Upper
41	100		
69	83.9	65.2	97.8
39	48.8	39.4	59.2





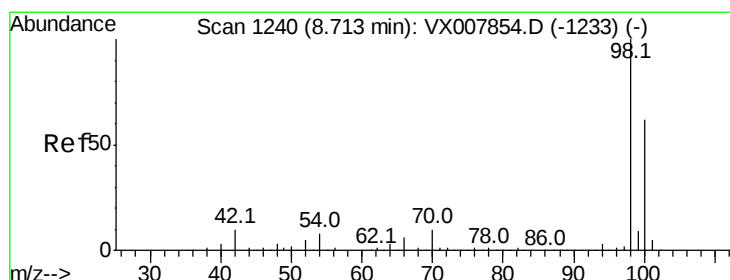
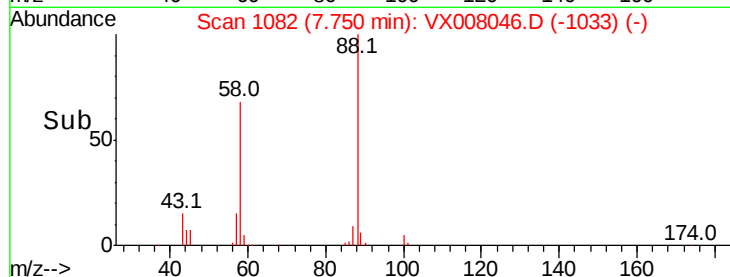
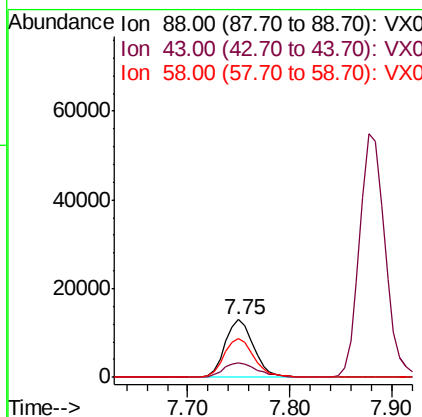
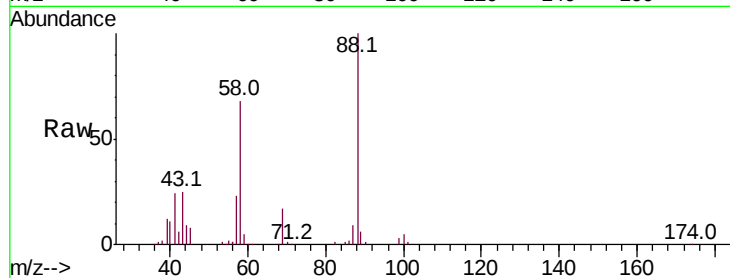
#49
1,4-Dioxane
Concen: 434.033 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	25.1	37.7
58	69.9	57.8	86.6

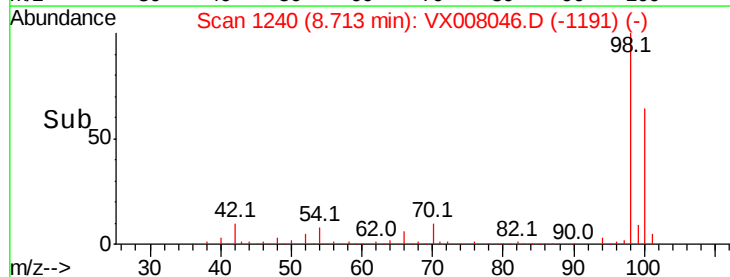
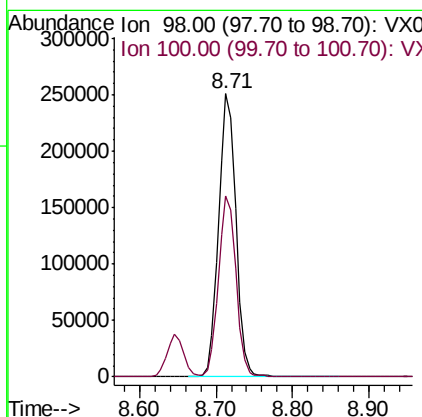
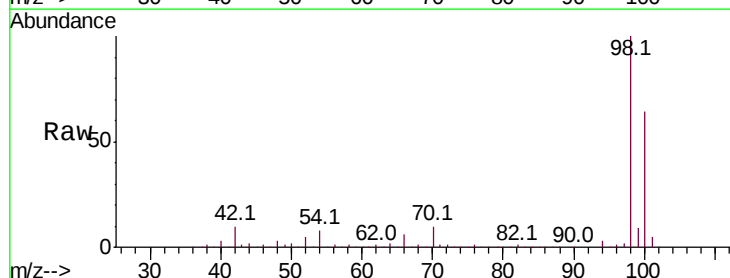
Manual Integrations
APPROVED

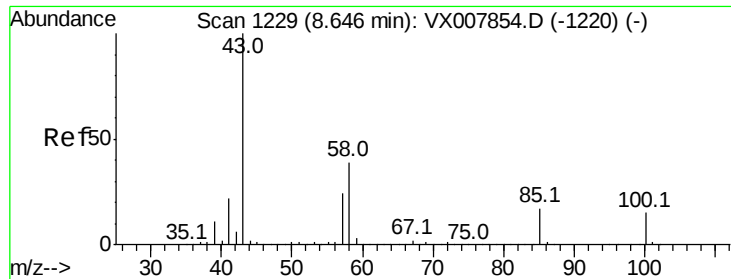
MMDadoda
3/14/2019 10:17:55 AM



#50
Toluene-d8
Concen: 49.431 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 105.481 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 43 Resp: 367029

Ion Ratio Lower Upper

43 100

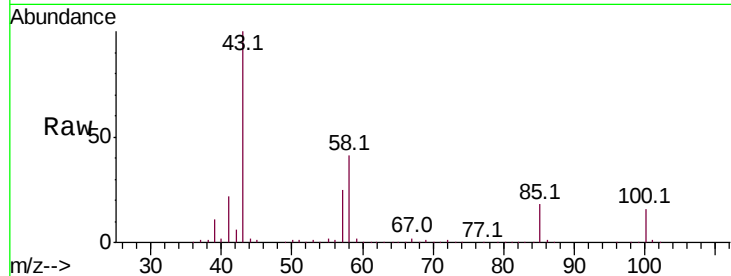
58 39.8 31.3 46.9

Manual Integrations

APPROVED

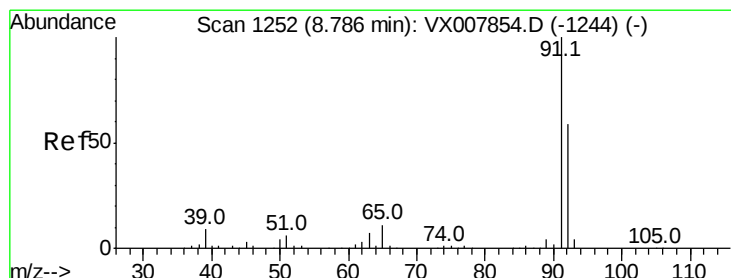
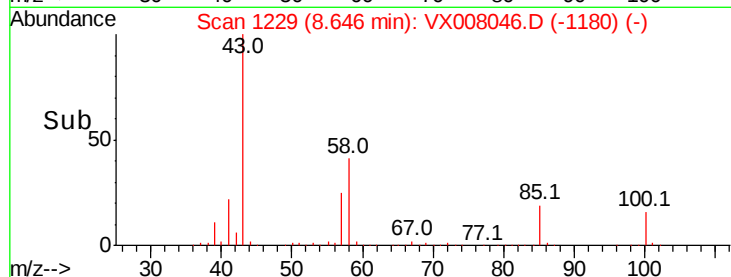
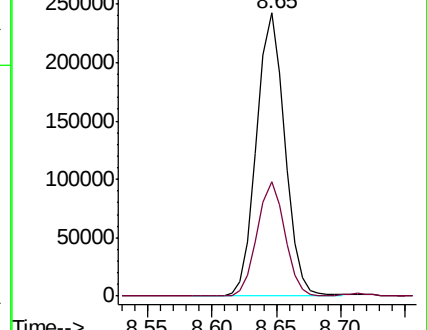
MMDadoda

3/14/2019 10:17:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.697 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008046.D

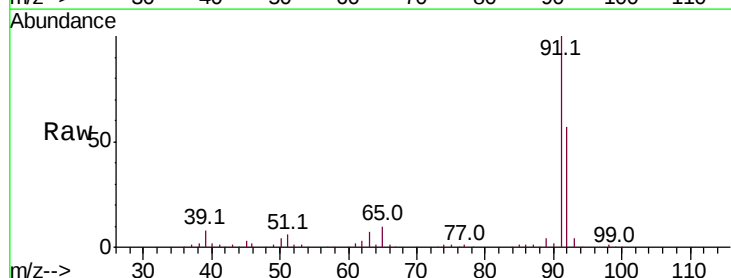
Acq: 13 Mar 2019 13:58

Tgt Ion: 92 Resp: 115891

Ion Ratio Lower Upper

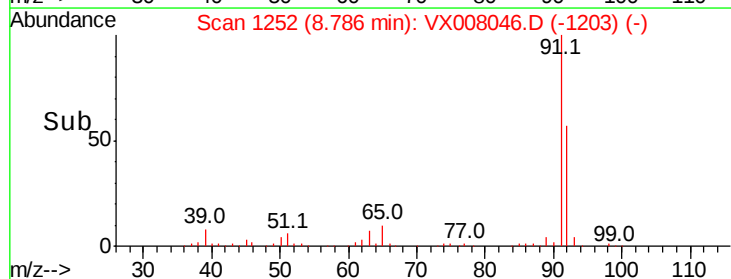
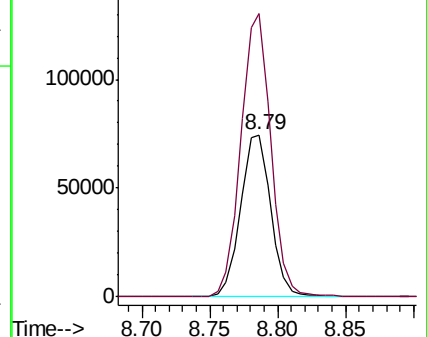
92 100

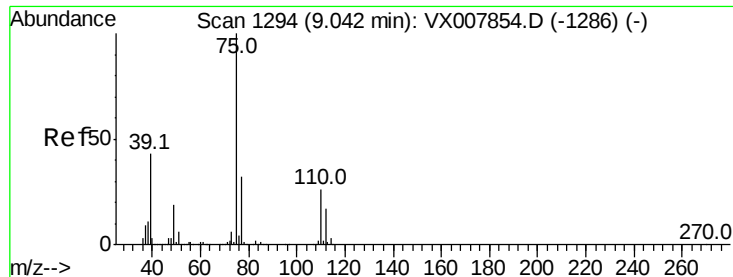
91 173.1 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.139 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 75 Resp: 61095

Ion Ratio Lower Upper

75 100

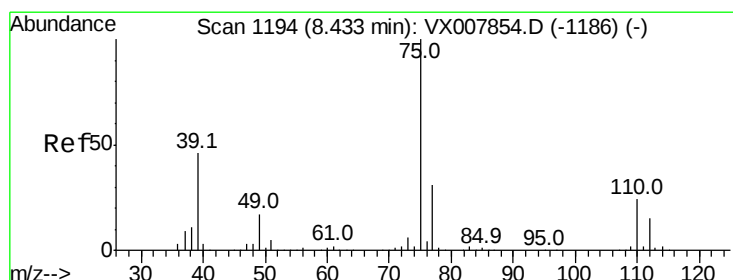
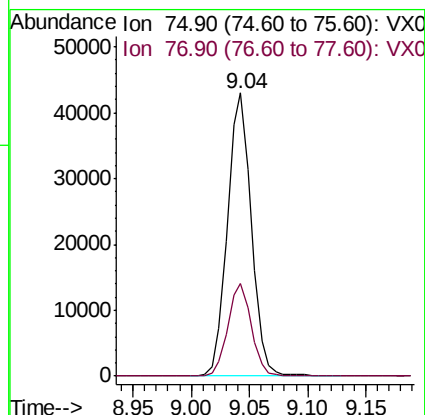
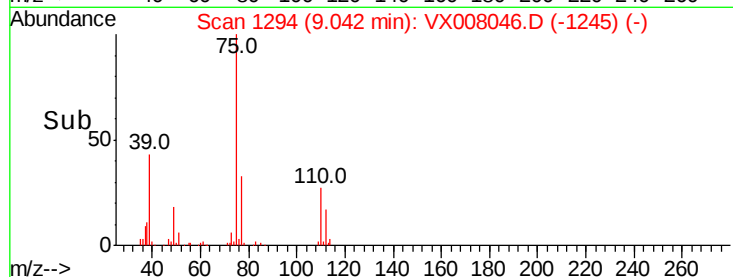
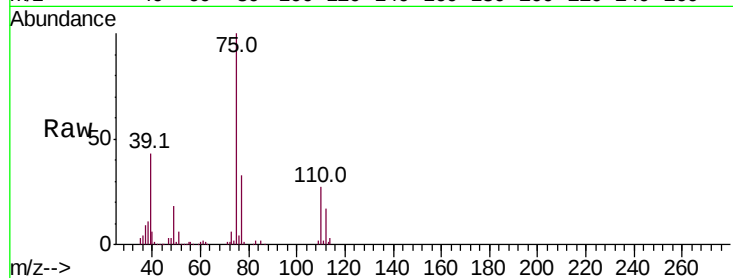
77 32.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.144 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

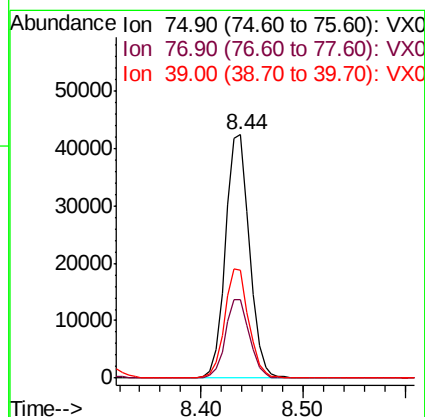
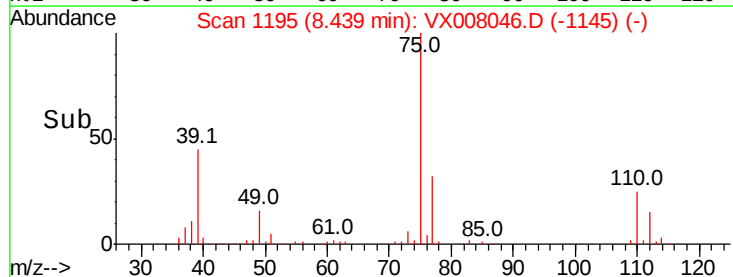
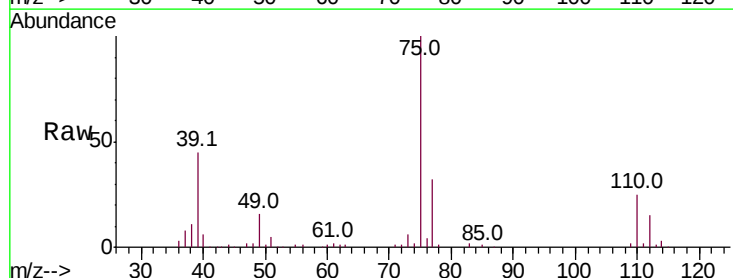
Tgt Ion: 75 Resp: 69007

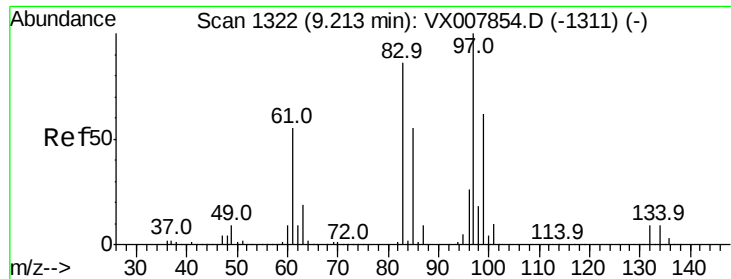
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6

39 44.4 36.6 54.8





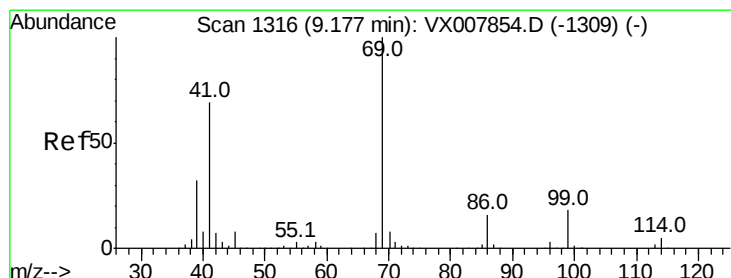
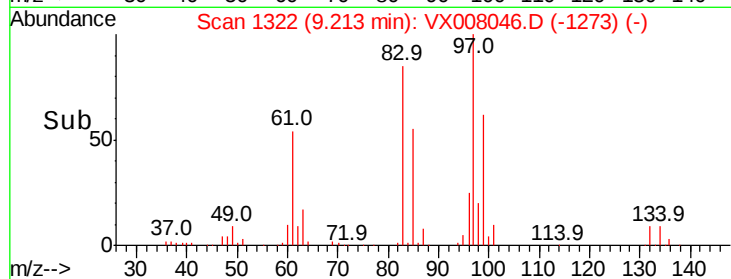
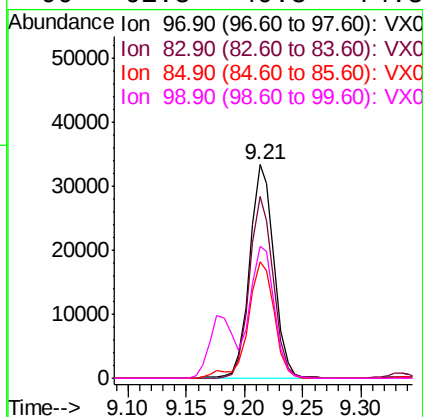
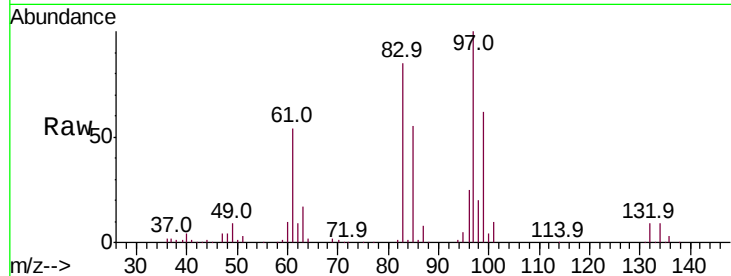
#55
1,1,2-Trichloroethane
Concen: 21.413 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.0	69.1	103.7	
85	54.7	44.3	66.5	
99	61.8	49.8	74.8	

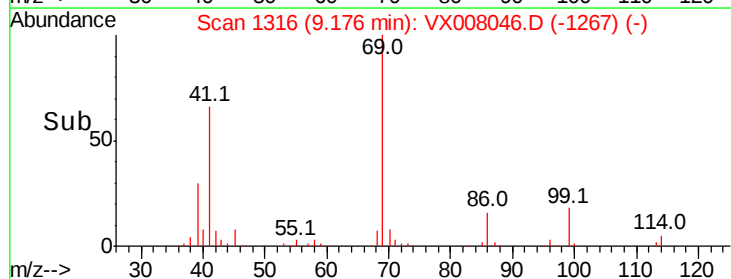
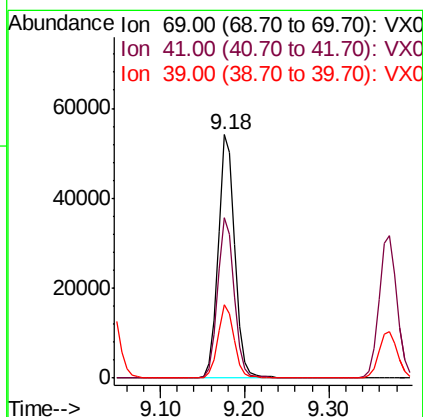
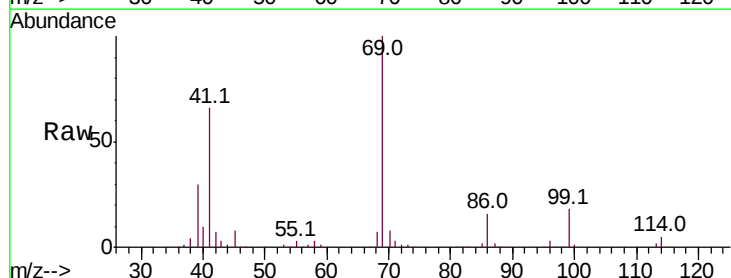
Manual Integrations
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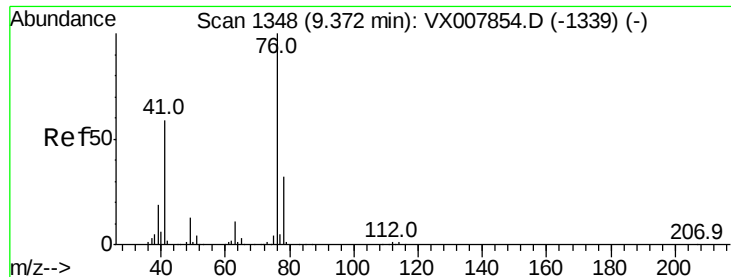
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#56
Ethyl methacrylate
Concen: 21.755 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	65.8	54.2	81.4	
39	29.6	25.0	37.4	





#57

1,3-Dichloropropane

Concen: 21.172 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 76 Resp: 80579

Ion Ratio Lower Upper

76 100

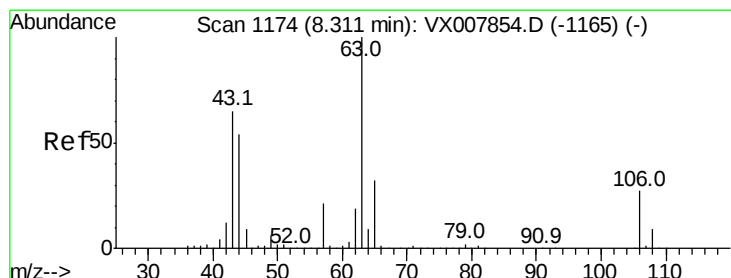
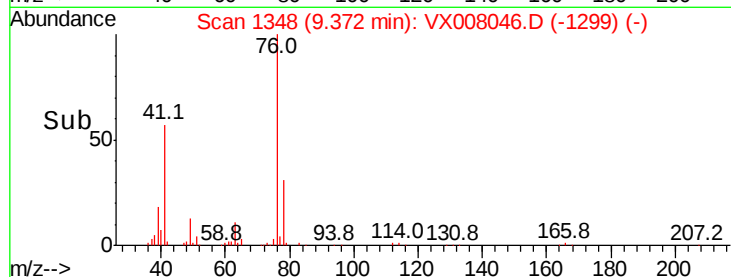
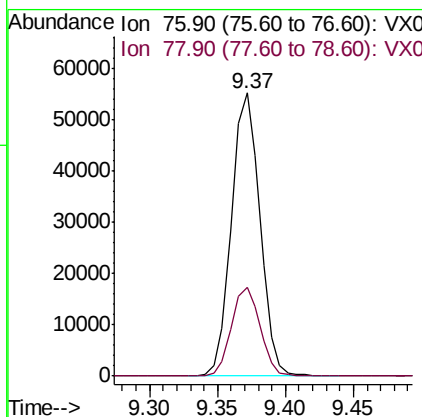
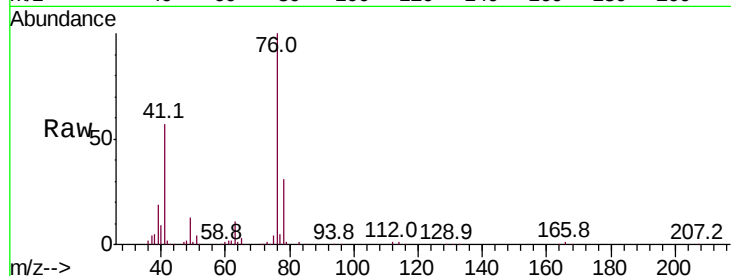
78 31.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

3/14/2019 10:17:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.408 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008046.D

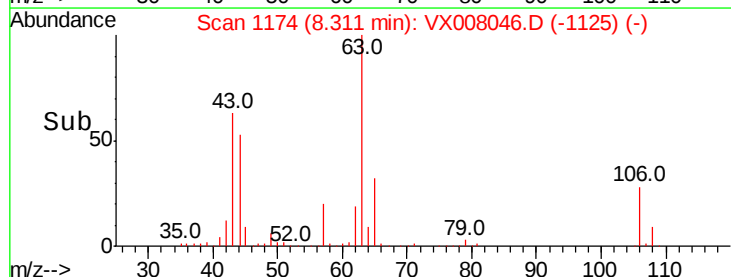
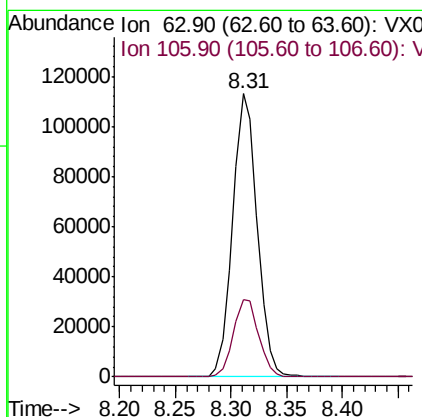
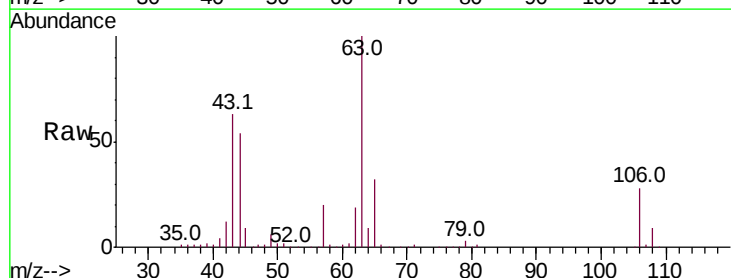
Acq: 13 Mar 2019 13:58

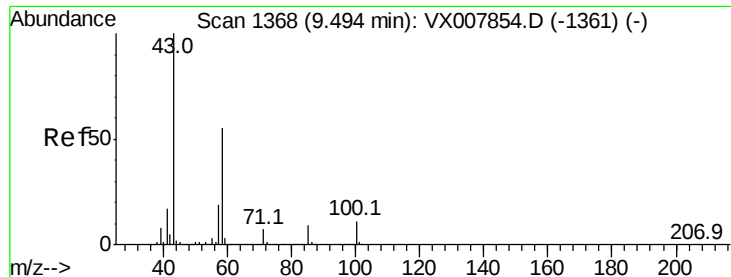
Tgt Ion: 63 Resp: 173244

Ion Ratio Lower Upper

63 100

106 28.3 22.2 33.2





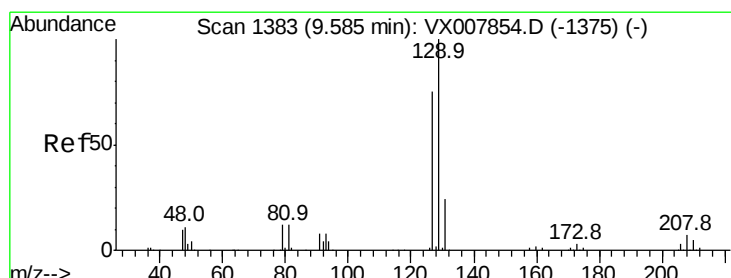
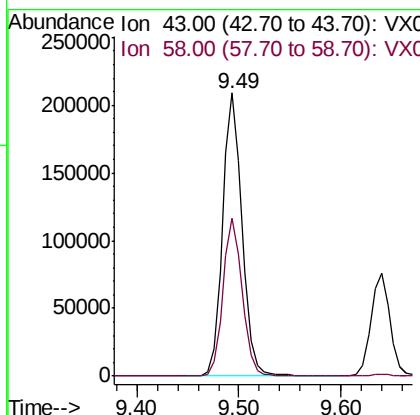
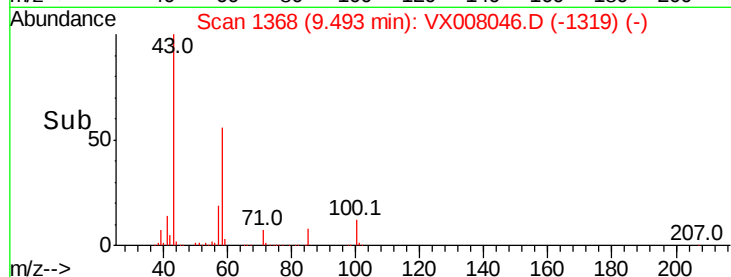
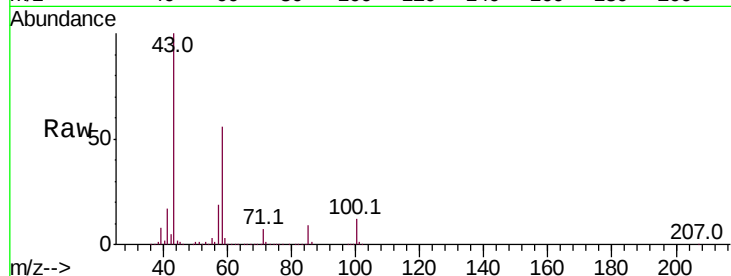
#59
2-Hexanone
Concen: 102.281 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 43 Resp: 276308
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7

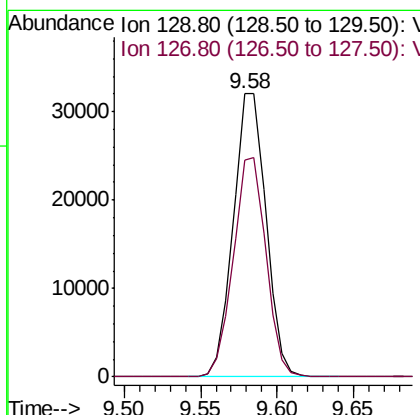
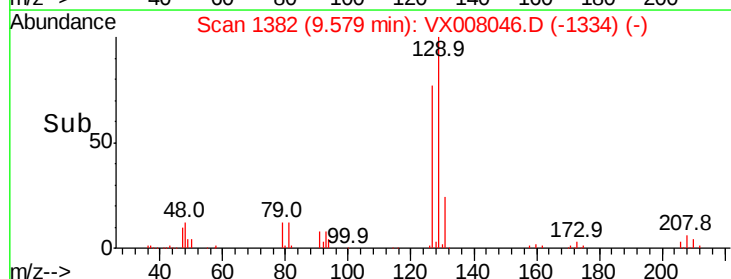
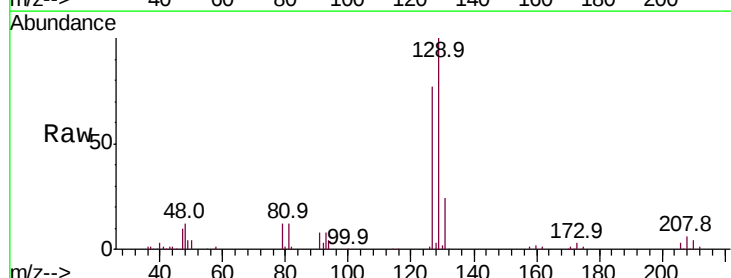
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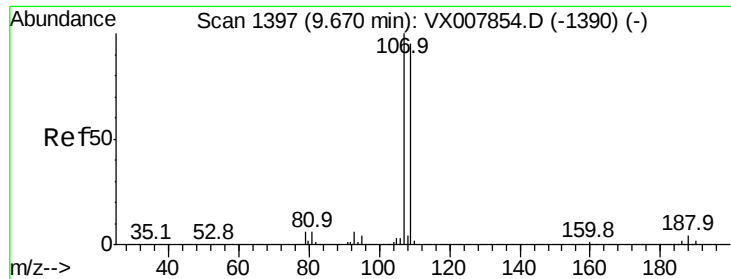
MMDadoda
3/14/2019 10:17:55 AM



#60
Dibromochloromethane
Concen: 20.137 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 129 Resp: 47710
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.911 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:107 Resp: 50325

Ion Ratio Lower Upper

107 100

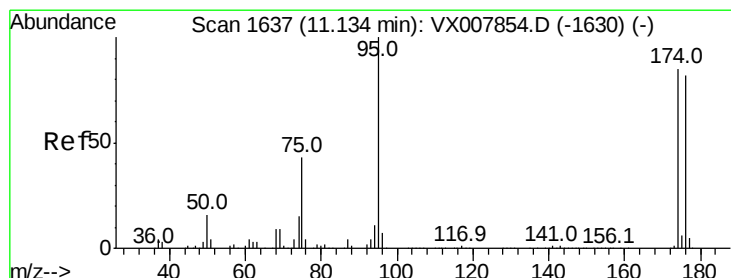
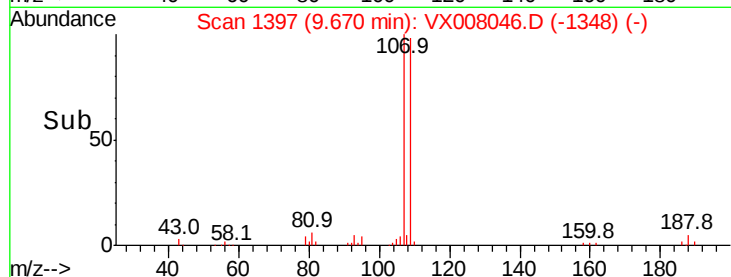
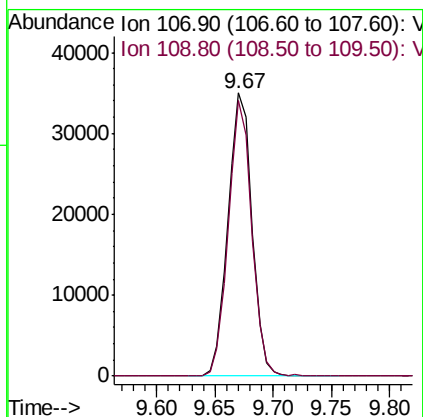
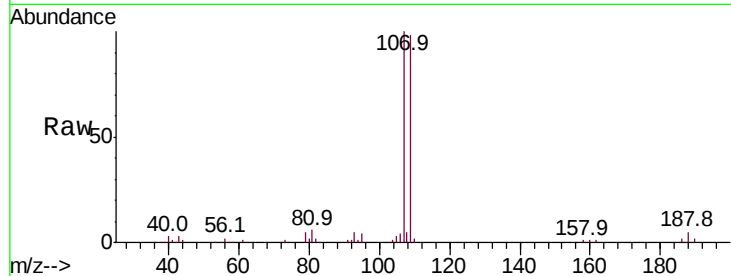
109 94.9 75.8 113.8

Manual Integrations

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MMDadoda

3/14/2019 10:17:55 AM



#62

4-Bromofluorobenzene

Concen: 49.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

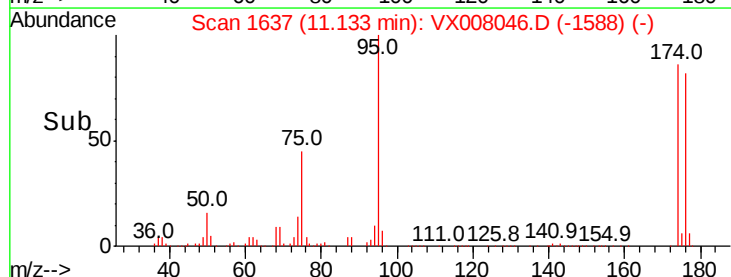
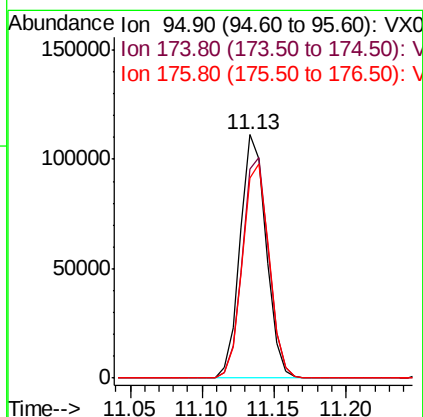
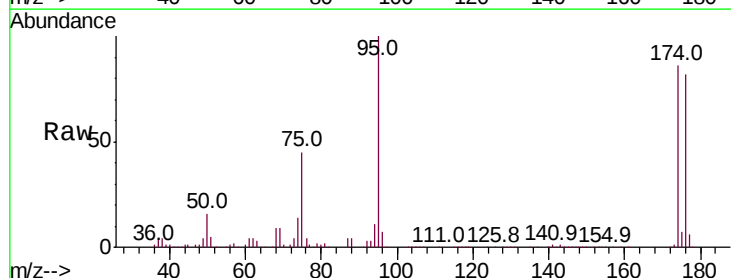
Tgt Ion: 95 Resp: 140034

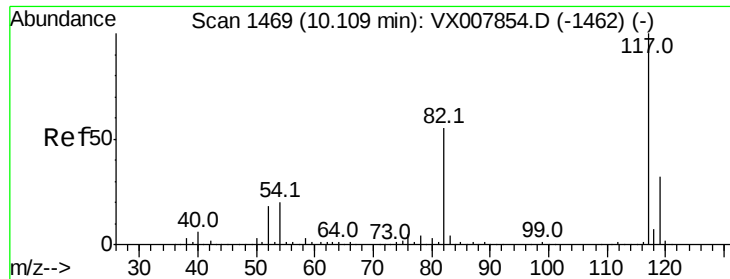
Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

176 89.9 0.0 178.0





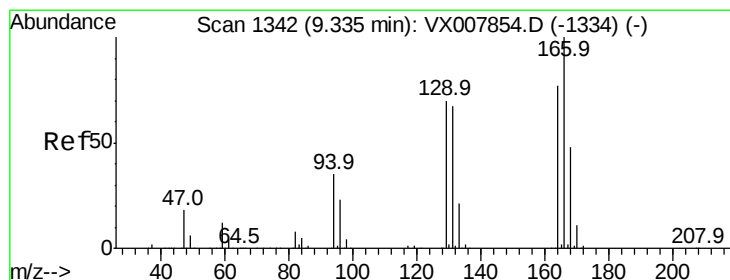
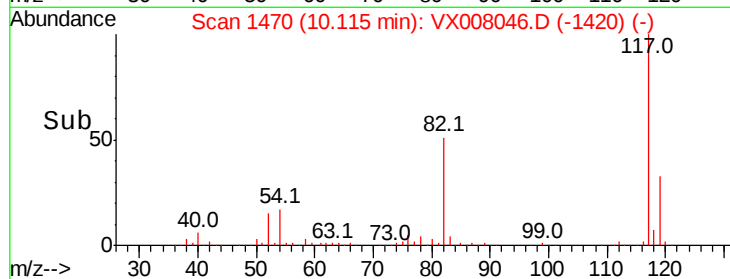
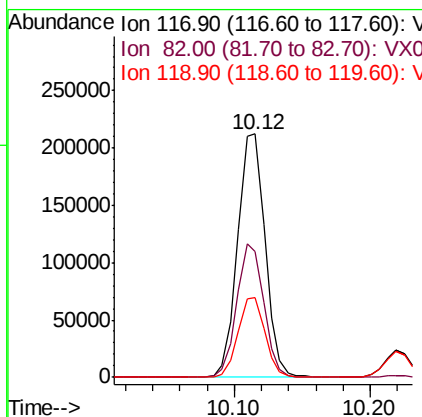
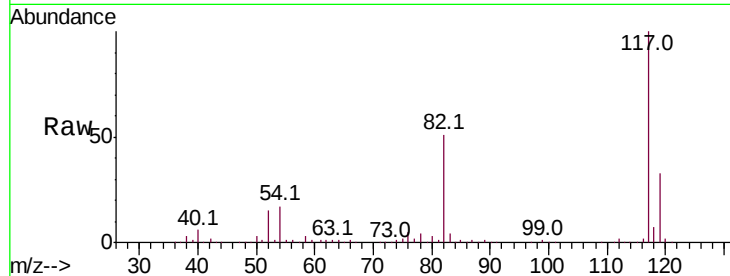
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299555		
82	51.5	44.3	66.5	
119	32.6	25.3	37.9	

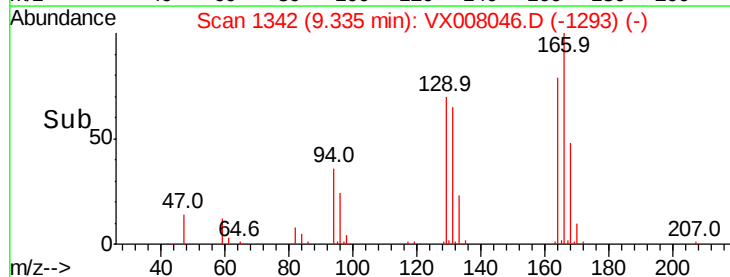
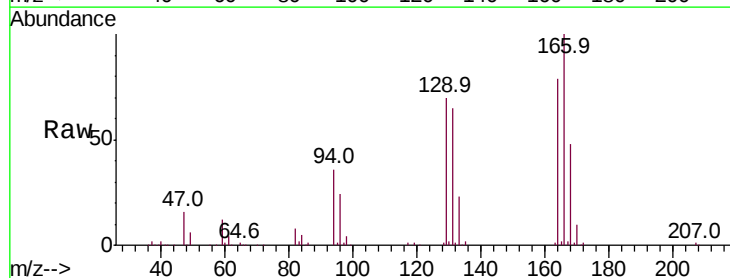
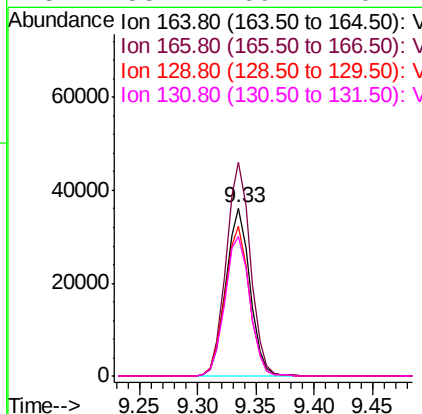
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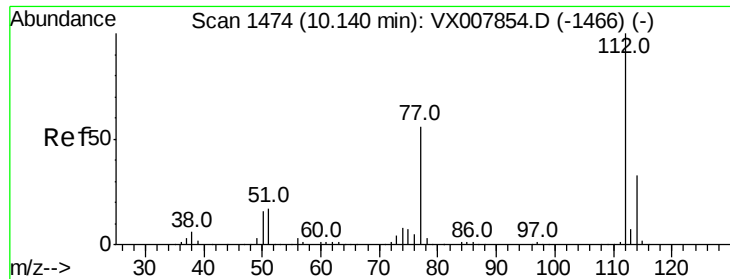
MMDadoda
3/14/2019 10:17:55 AM



#64
Tetrachloroethene
Concen: 20.894 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51867		
166	127.3	103.4	155.0	
129	88.9	72.2	108.4	
131	83.2	69.4	104.2	





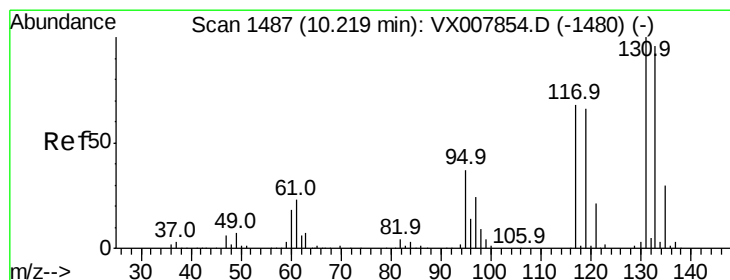
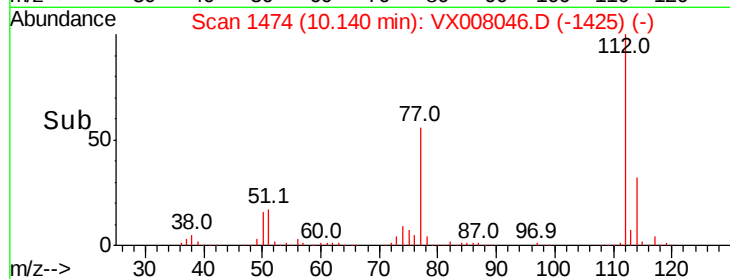
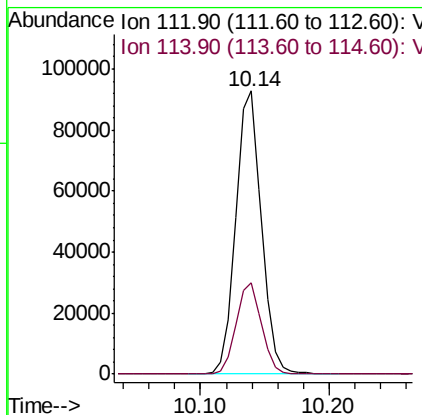
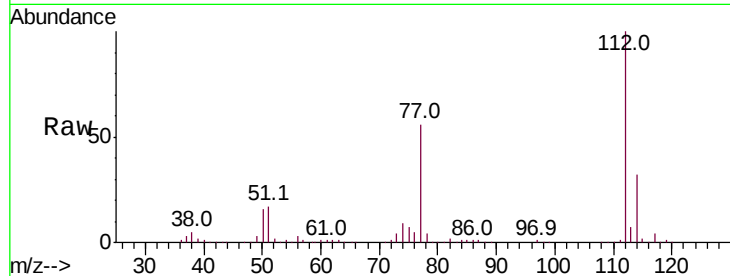
#65
Chlorobenzene
Concen: 20.490 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion:112 Resp: 128440
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

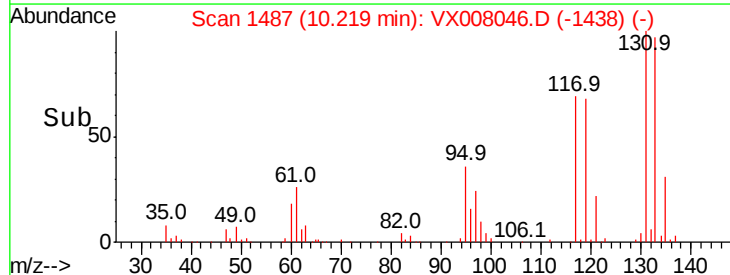
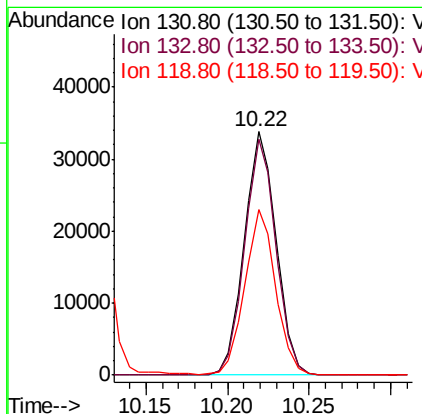
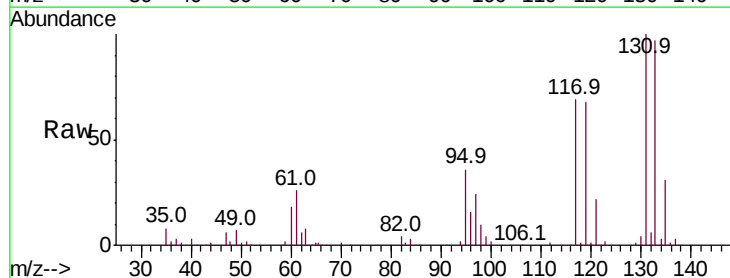
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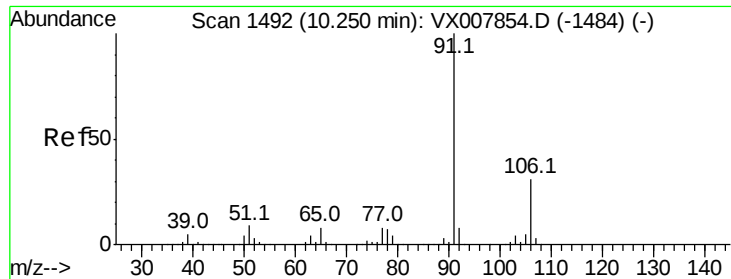
MMDadoda
3/14/2019 10:17:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.472 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:131 Resp: 45993
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 66.1 32.5 97.5





#67

Ethyl Benzene

Concen: 20.796 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 91 Resp: 214582

Ion Ratio Lower Upper

91 100

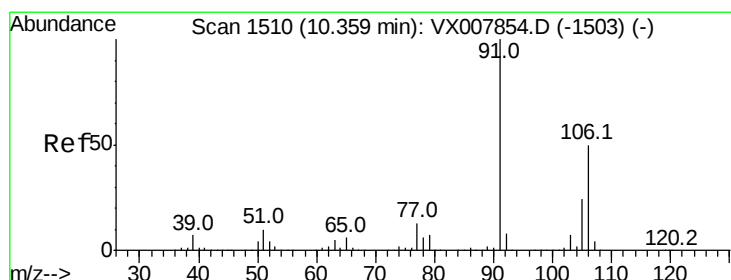
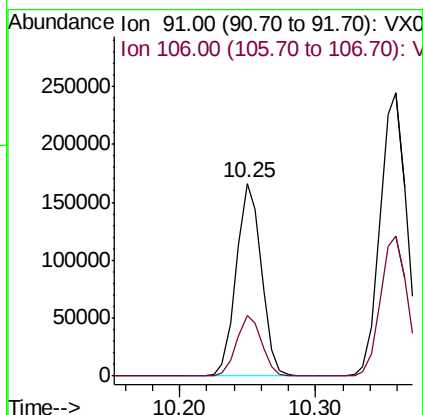
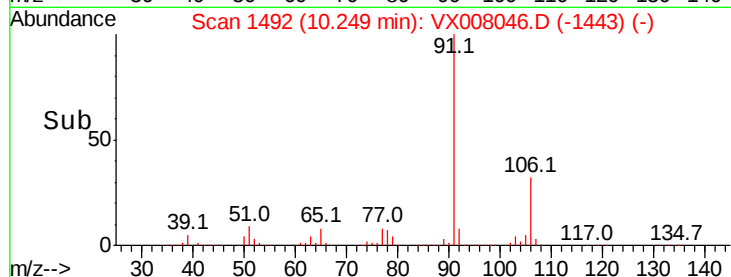
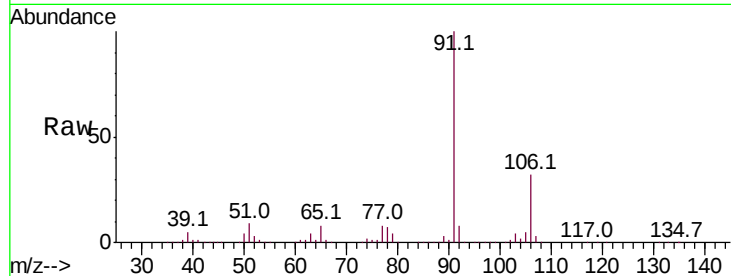
106 31.6 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.585 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008046.D

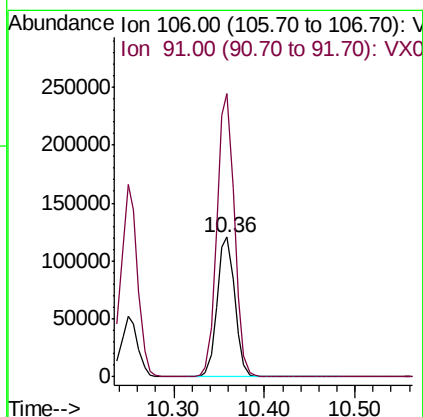
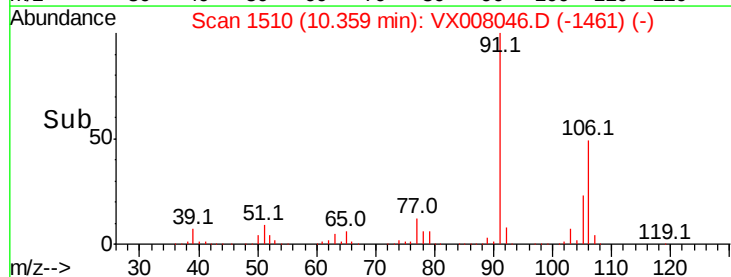
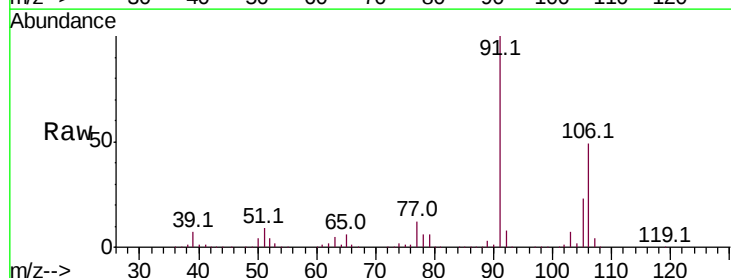
Acq: 13 Mar 2019 13:58

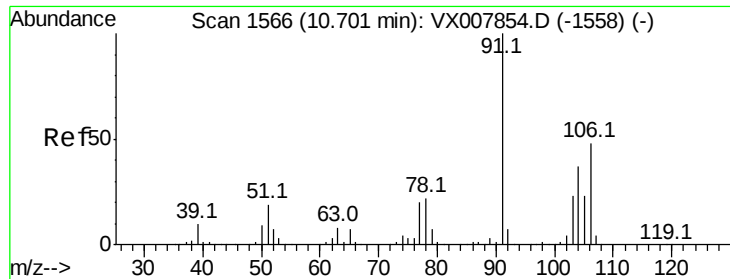
Tgt Ion: 106 Resp: 165395

Ion Ratio Lower Upper

106 100

91 200.2 159.8 239.6





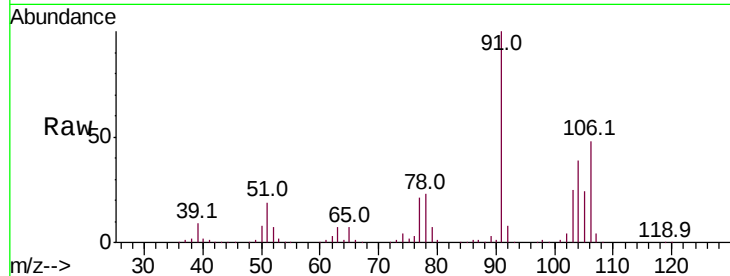
#69
o-Xylene
Concen: 20.948 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampled :
VX0313WBS01

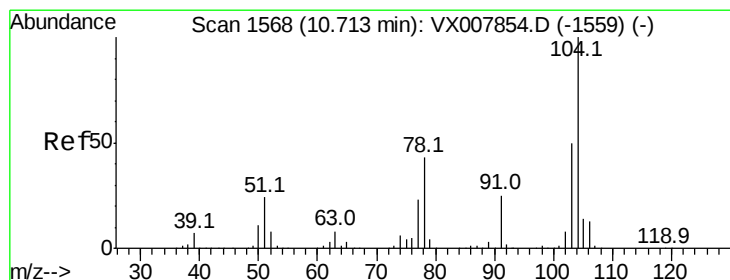
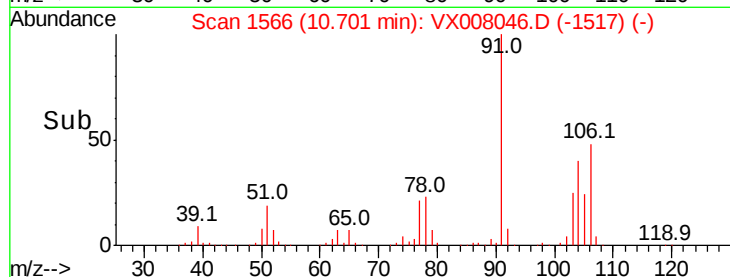
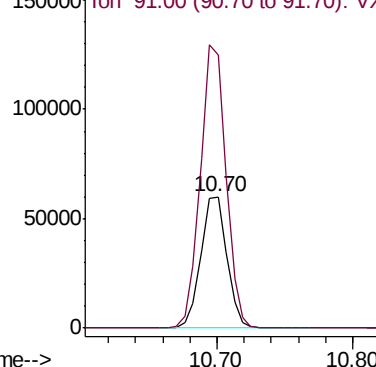
Tot Ion:106 Resp: 80436
Ion Ratio Lower Upper
106 100
91 212.0 106.3 318.9

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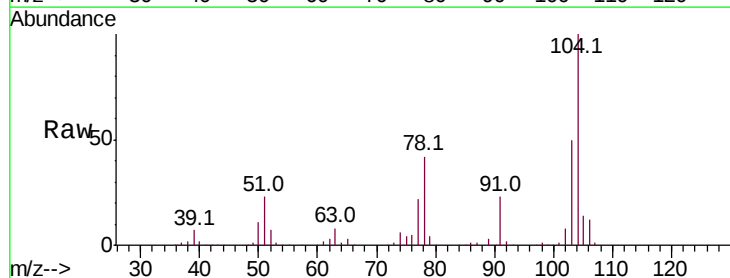


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

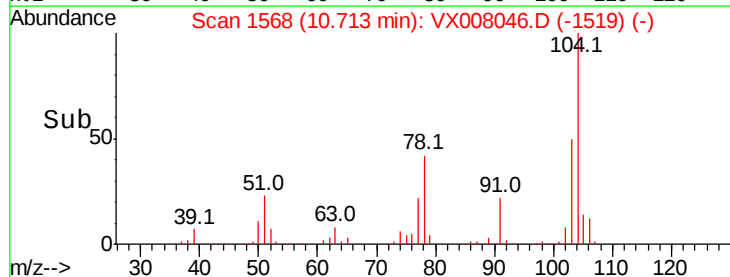
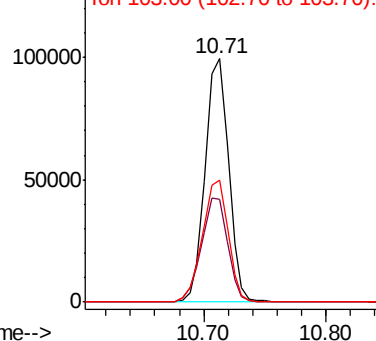


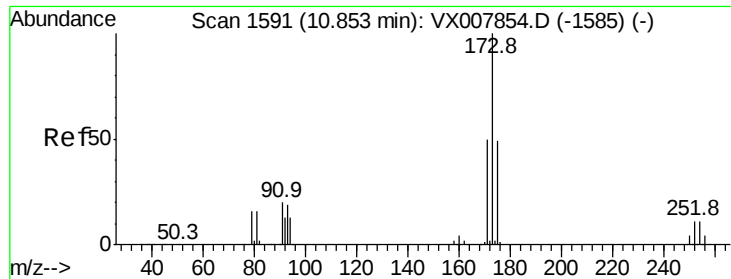
#70
Styrene
Concen: 21.011 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:104 Resp: 132019
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.3 44.1 66.1



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





#71

Bromoform

Concen: 19.171 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:173 Resp: 36987

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.9

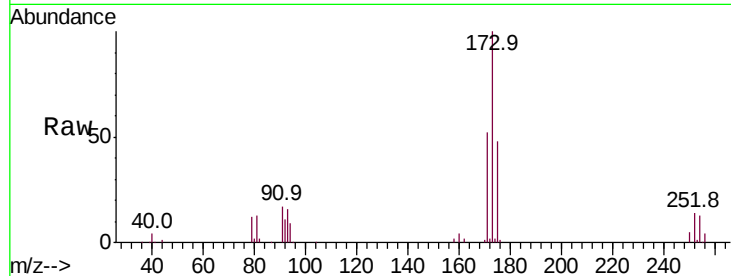
254 0.1 0.1 0.1

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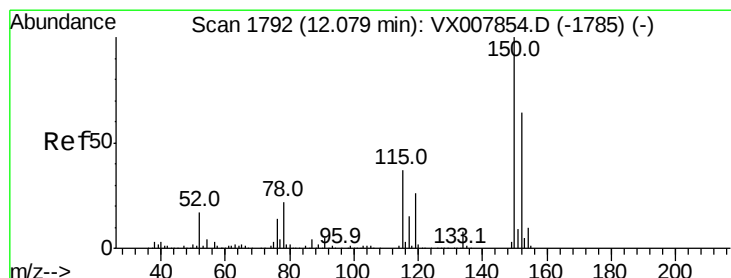
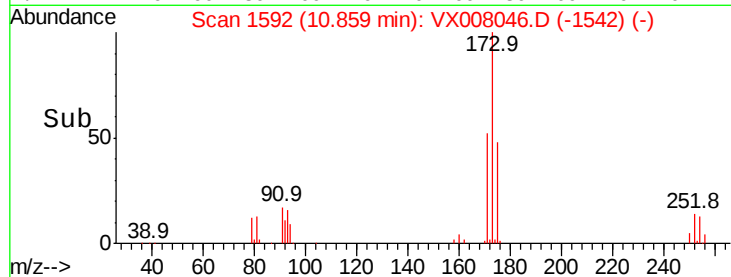
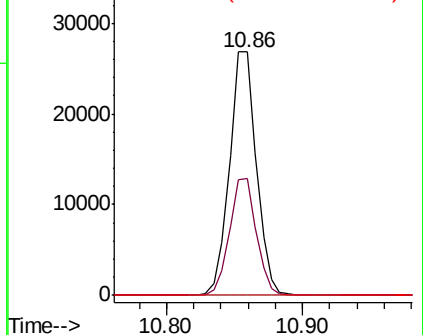
3/14/2019 10:17:55 AM



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: VX008046.D

Acq: 13 Mar 2019 13:58

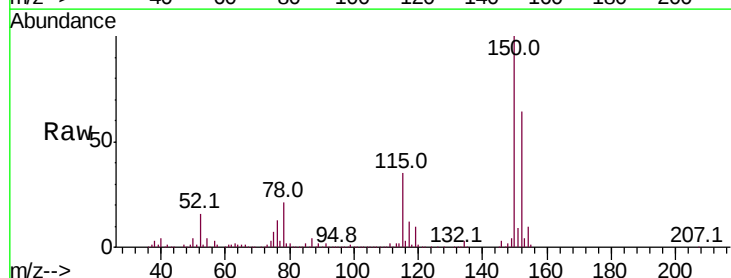
Tgt Ion:152 Resp: 146946

Ion Ratio Lower Upper

152 100

115 64.4 38.6 115.7

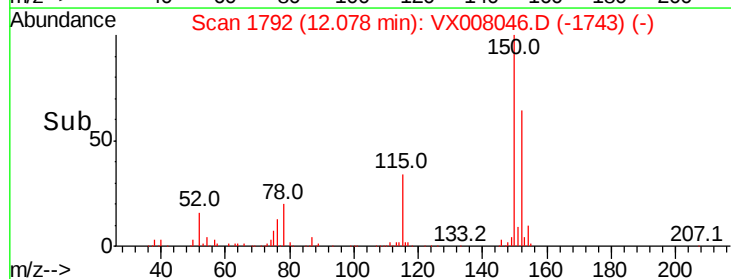
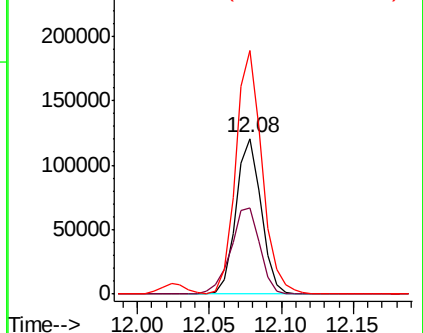
150 163.9 0.0 348.4

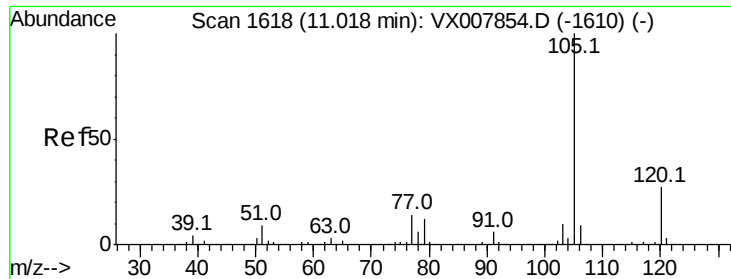


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





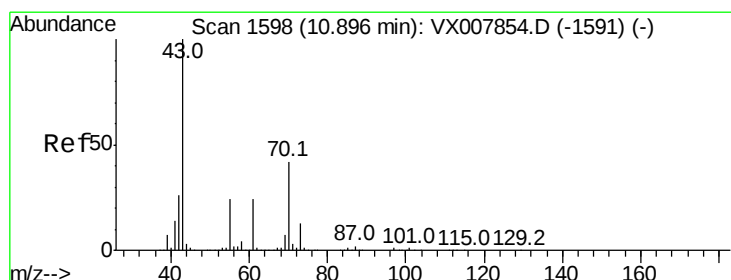
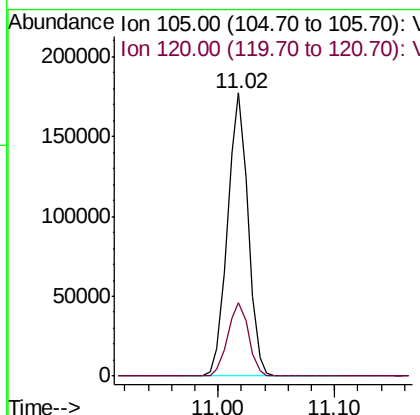
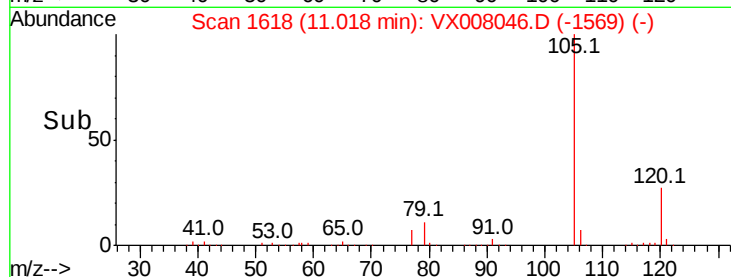
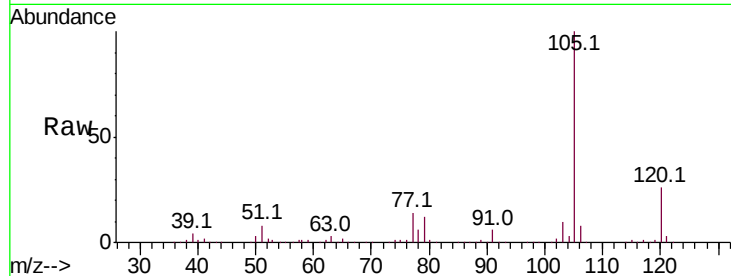
#73
Isopropylbenzene
Concen: 21.736 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 105 Resp: 216020
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

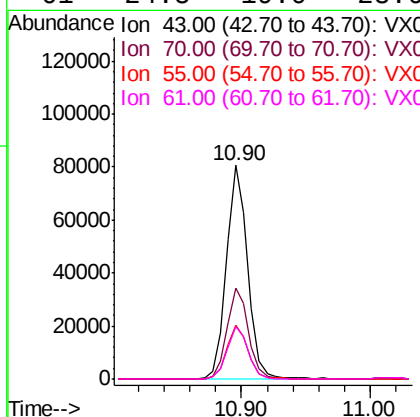
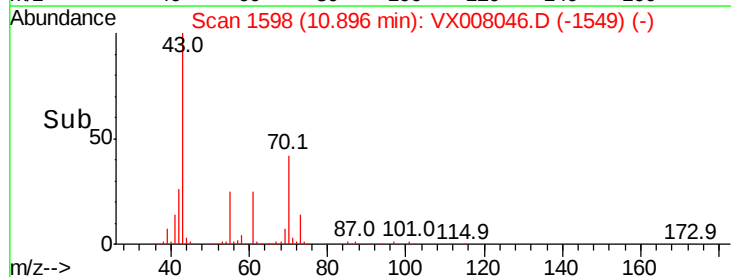
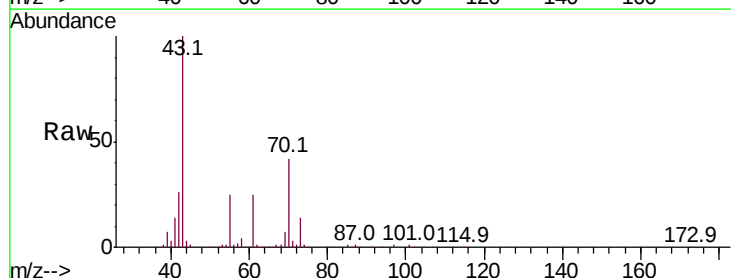
Manual Integrations
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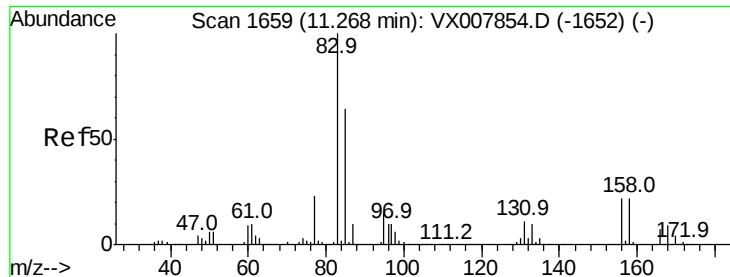
MMDadoda
3/14/2019 10:17:55 AM



#74
N-ethyl acetate
Concen: 20.711 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 43 Resp: 93968
Ion Ratio Lower Upper
43 100
70 42.6 33.5 50.3
55 25.4 19.2 28.8
61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.760 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

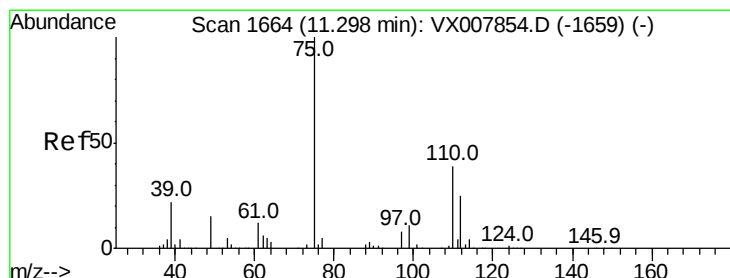
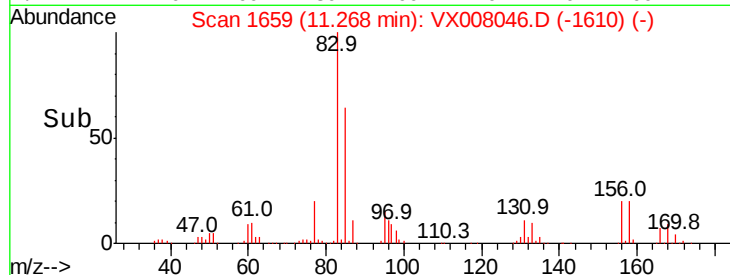
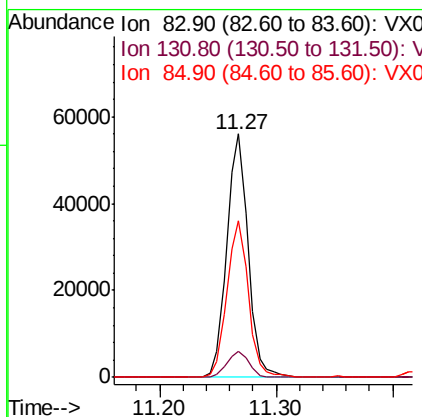
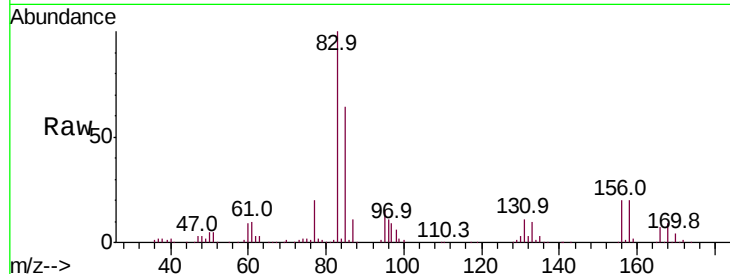
ClientSampleId :

VX0313WBS01

Tot Ion:	83	Resp:	71165
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.552 ug/l m

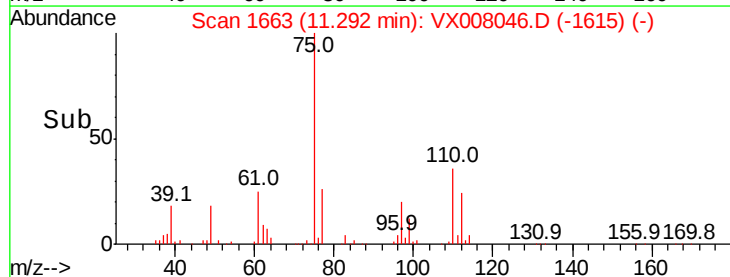
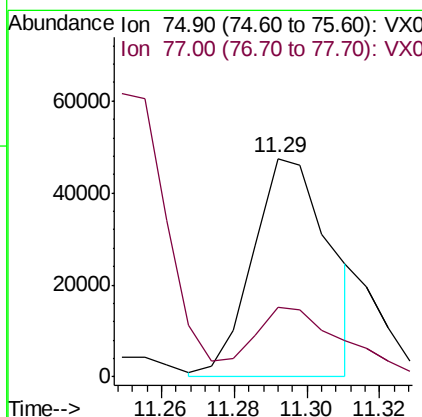
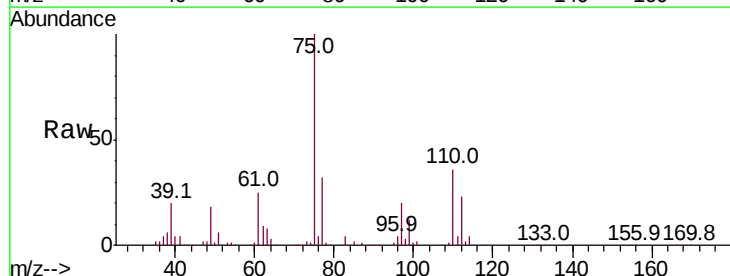
RT: 11.29 min Scan# 1663

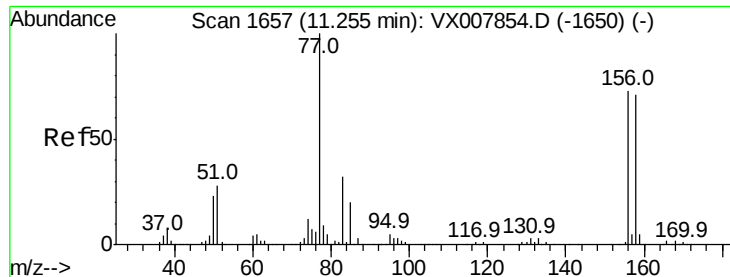
Delta R.T. -0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	75	Resp:	69540
Ion Ratio	Lower	Upper	
75	100		
77	37.9	18.9	56.7





#77

Bromobenzene

Concen: 21.115 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

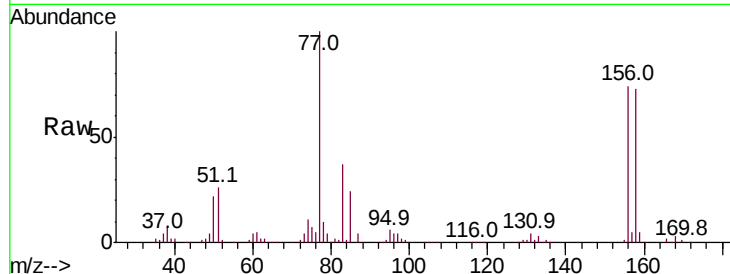
ClientSampleId :

VX0313WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.2	72.0	215.9
158	97.9	48.6	145.9

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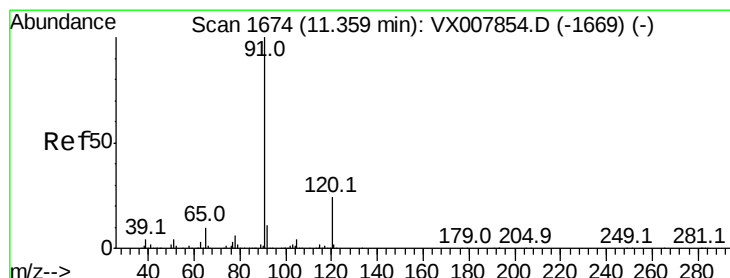
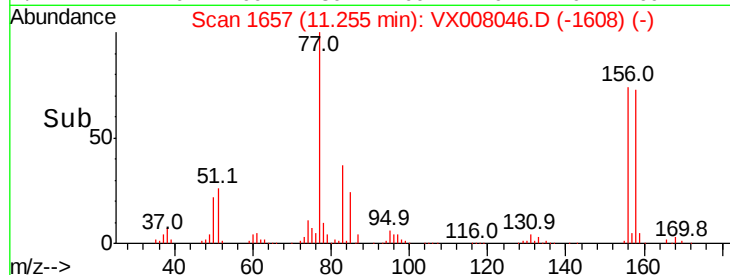
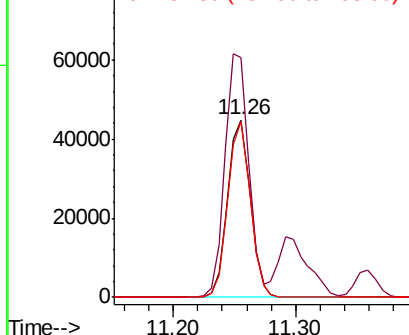


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.175 ug/l

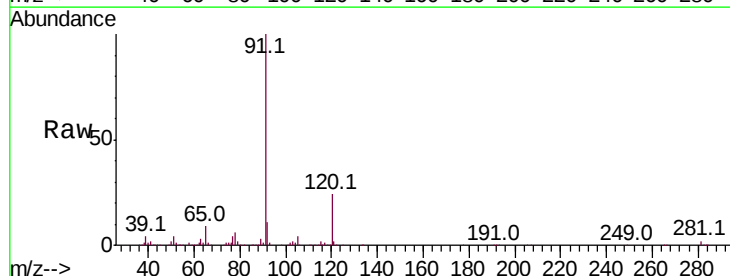
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

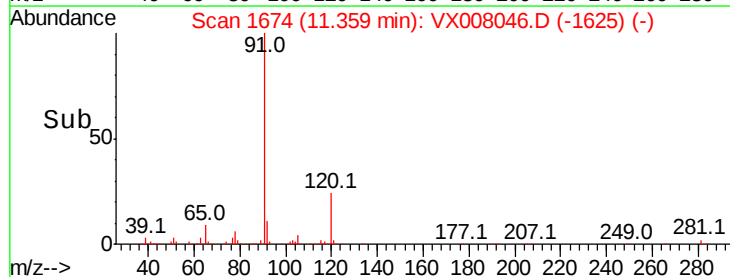
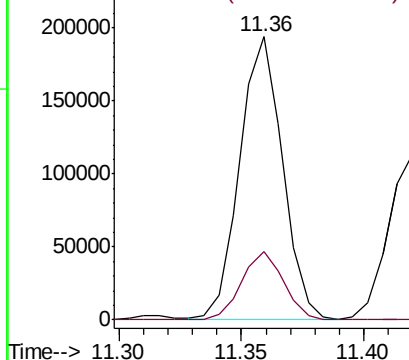
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0

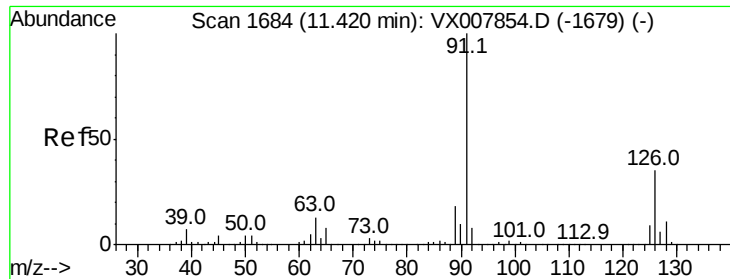


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.063 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 91 Resp: 141987

Ion Ratio Lower Upper

91 100

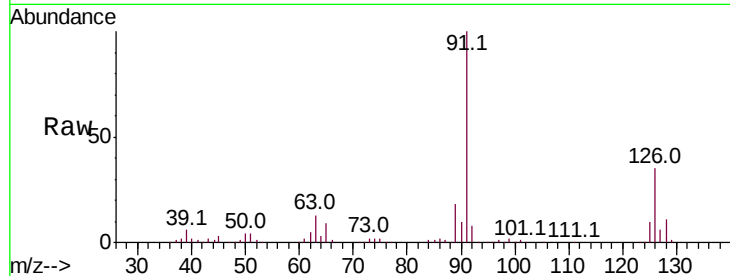
126 35.7 17.5 52.6

Manual Integrations

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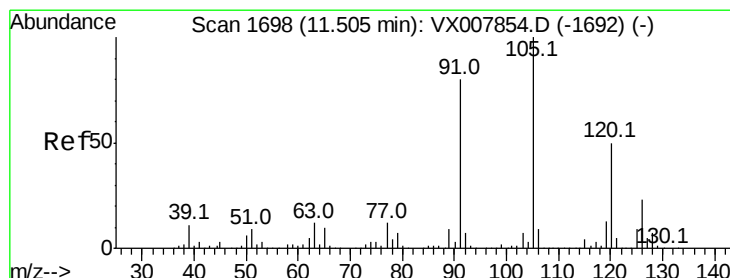
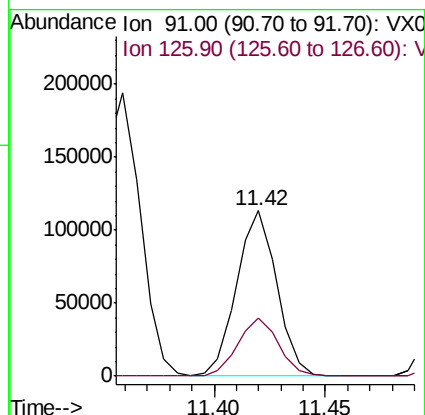
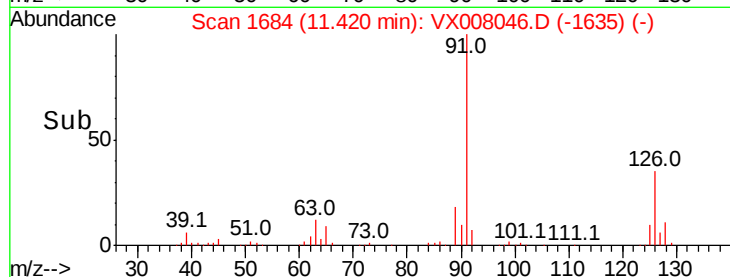
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.635 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008046.D

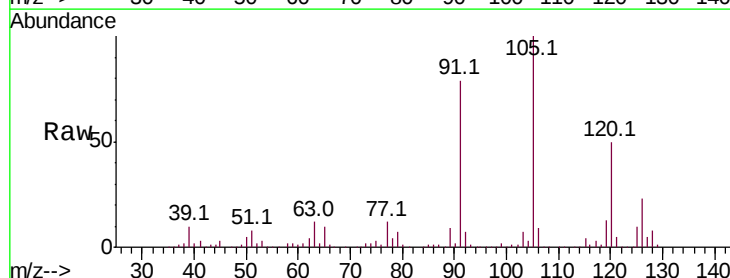
Acq: 13 Mar 2019 13:58

Tgt Ion: 105 Resp: 176966

Ion Ratio Lower Upper

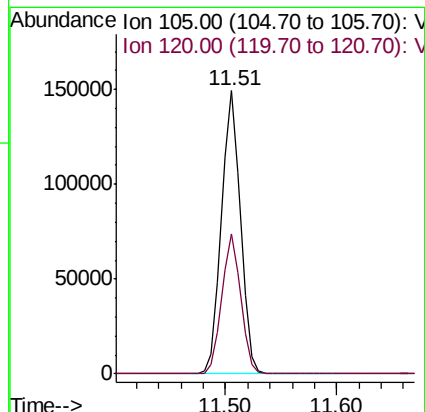
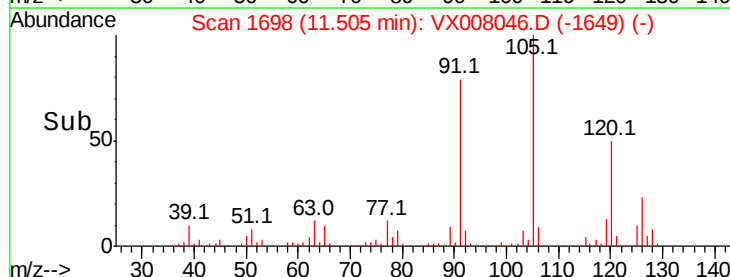
105 100

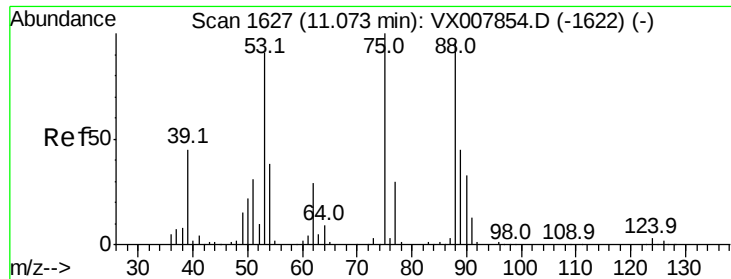
120 49.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





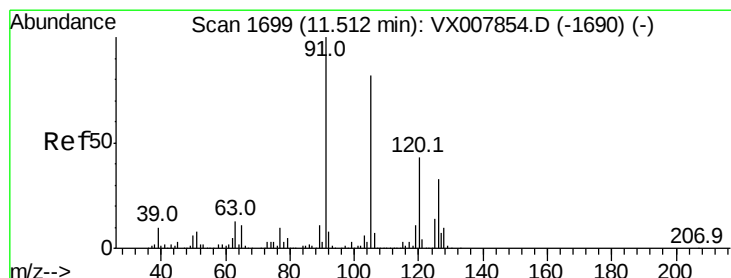
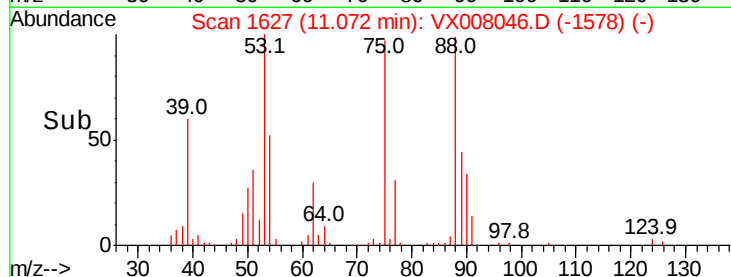
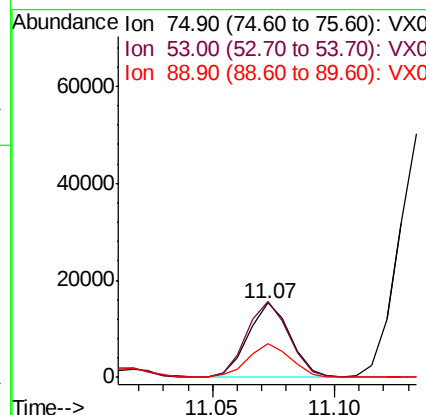
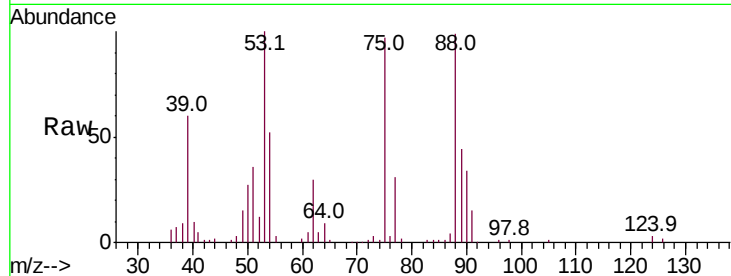
#81
trans-1,4-Dichloro-2-butene
Concen: 19.241 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 75 Resp: 18561
Ion Ratio Lower Upper
75 100
53 102.7 76.1 114.1
89 45.5 36.3 54.5

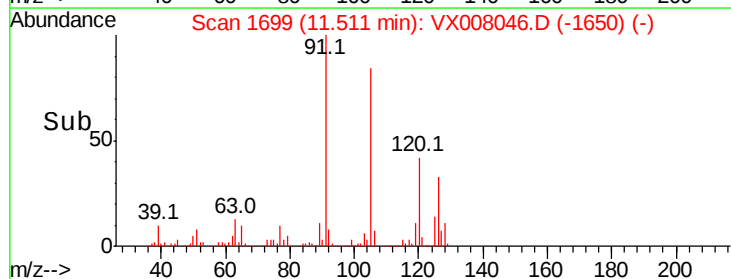
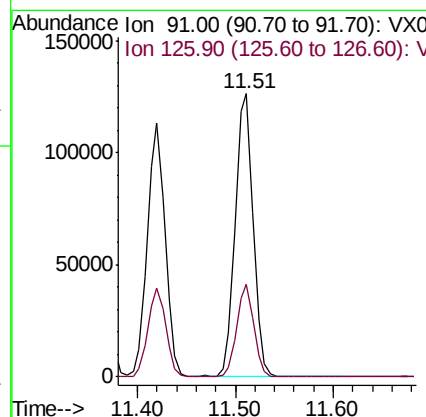
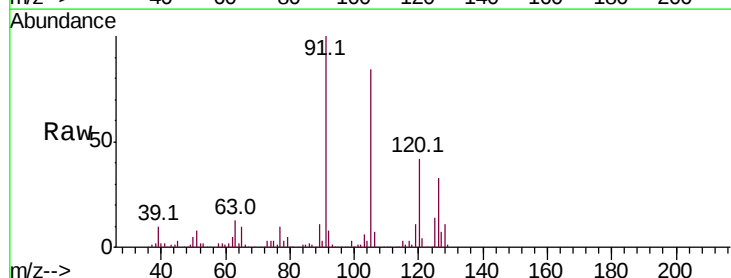
Manual Integrations
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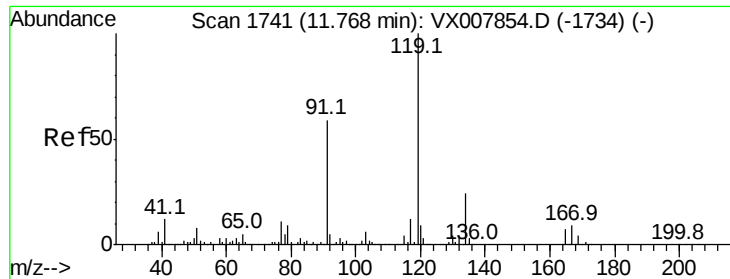
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.865 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 91 Resp: 161188
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.8





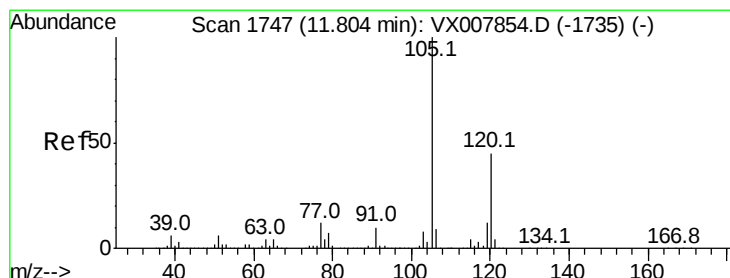
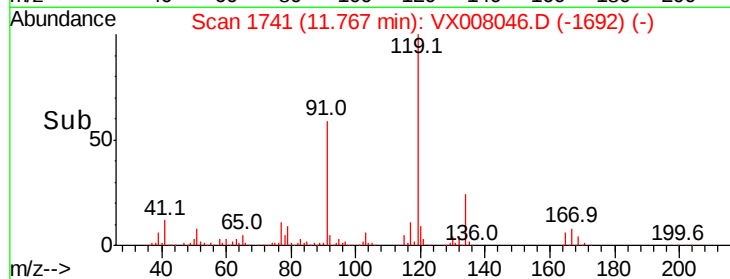
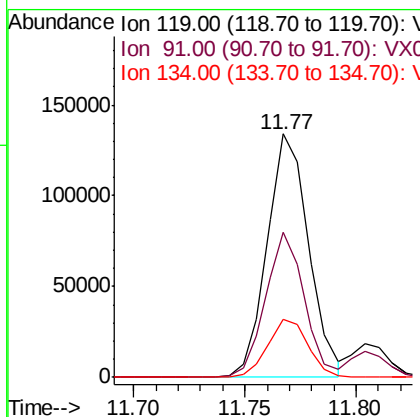
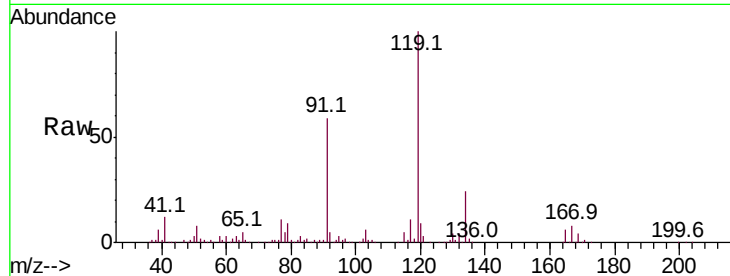
#83
 tert-Butylbenzene
 Concen: 21.077 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173660		
91	55.6	27.1	81.3	
134	23.3	11.4	34.1	

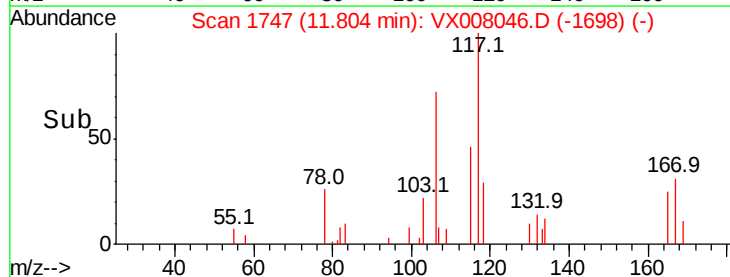
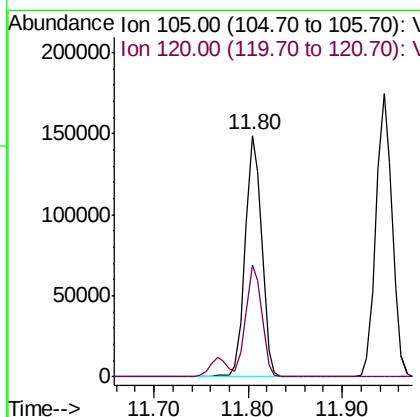
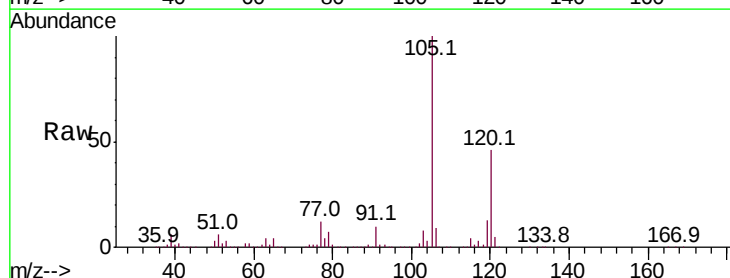
Manual Integrations
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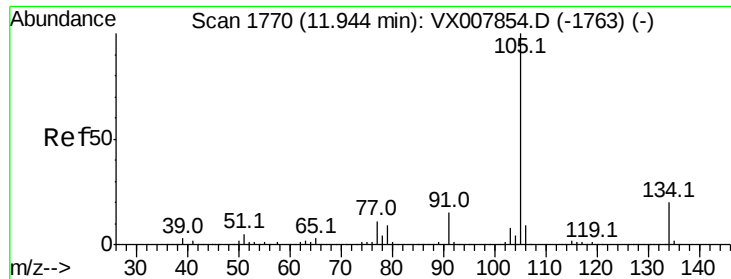
MMDadoda
 3/14/2019 10:17:55 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.715 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182082		
120	44.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 21.518 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:105 Resp: 208807

Ion Ratio Lower Upper

105 100

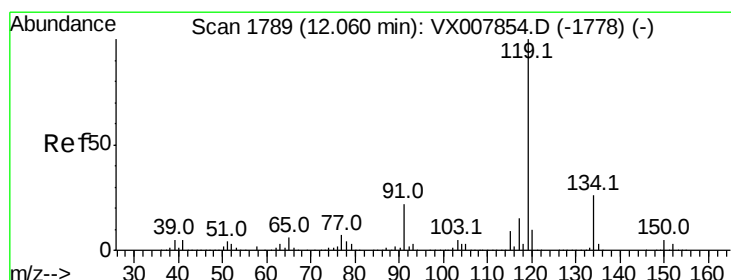
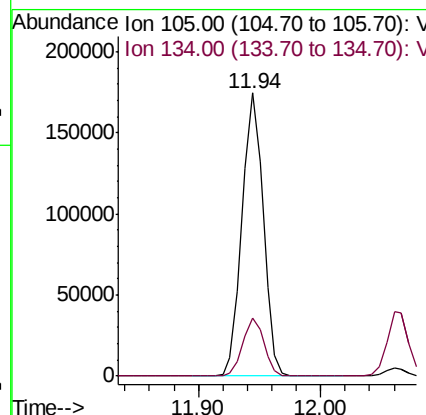
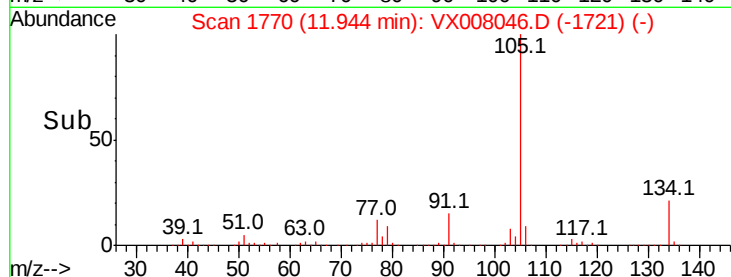
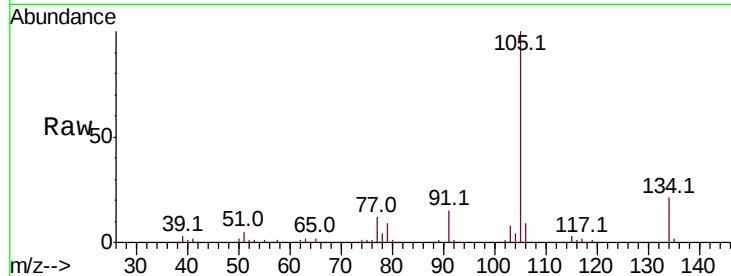
134 20.5 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.677 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

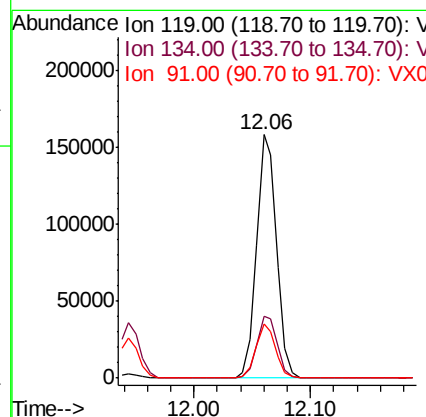
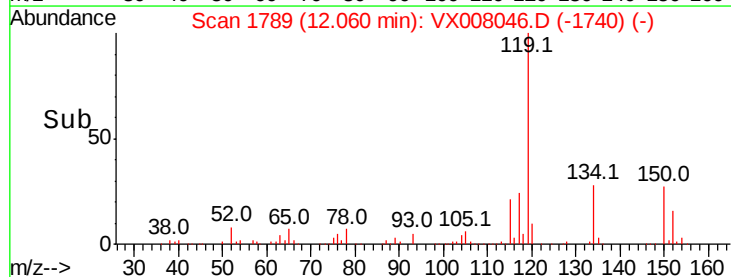
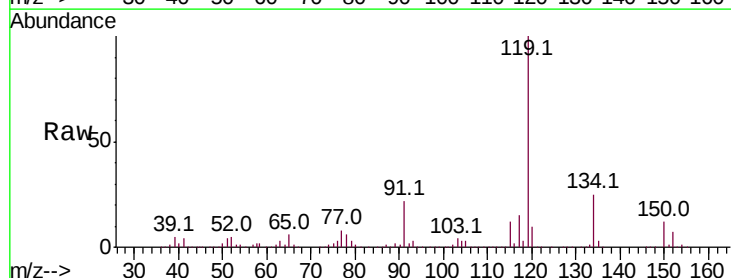
Tgt Ion:119 Resp: 188389

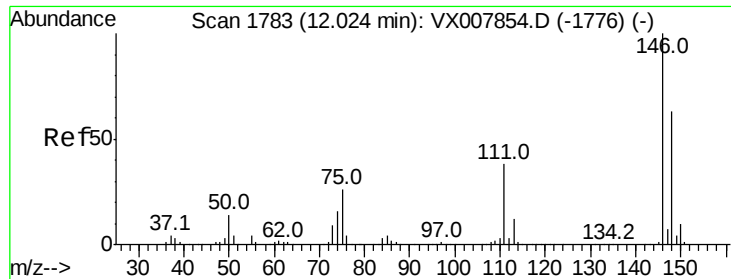
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 22.0 10.9 32.7





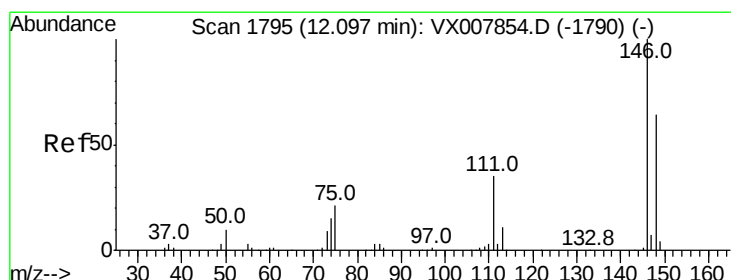
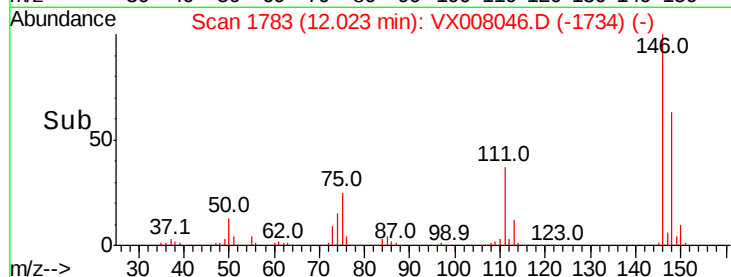
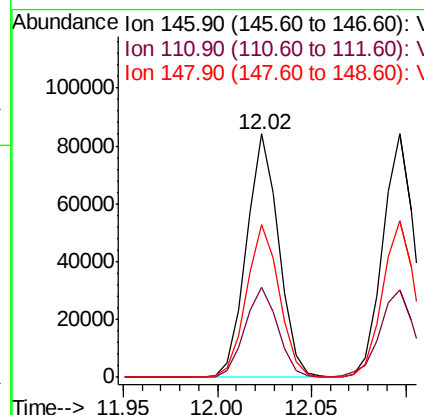
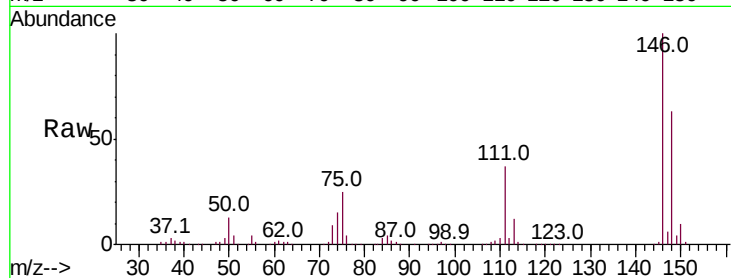
#87
 1,3-Dichlorobenzene
 Concen: 20.746 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	63.6	31.7	95.1

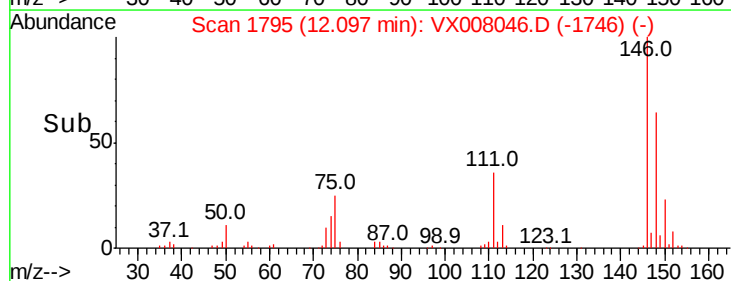
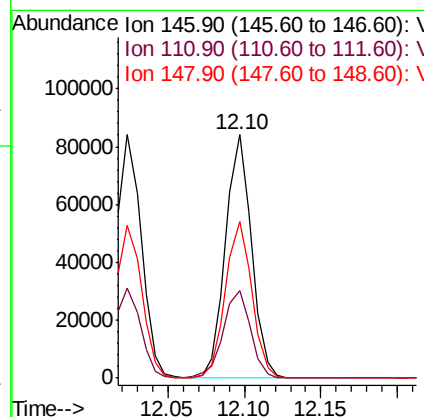
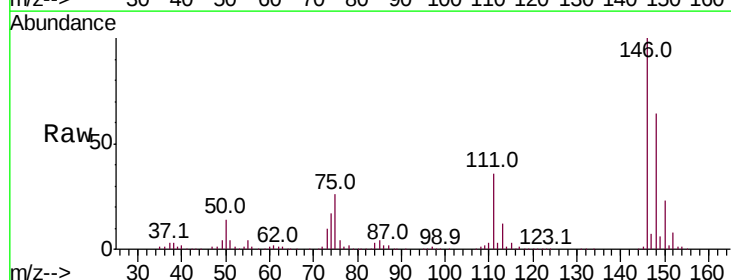
Manual Integrations
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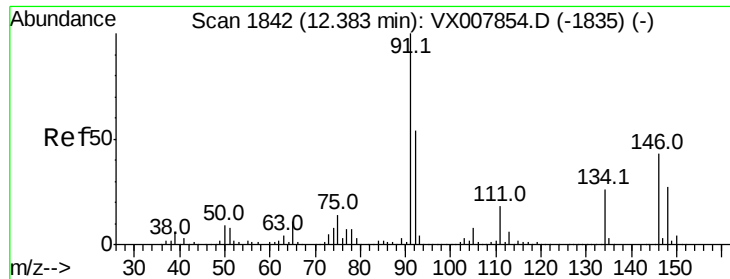
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#88
 1,4-Dichlorobenzene
 Concen: 20.104 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.4	55.0
148	65.5	32.2	96.6





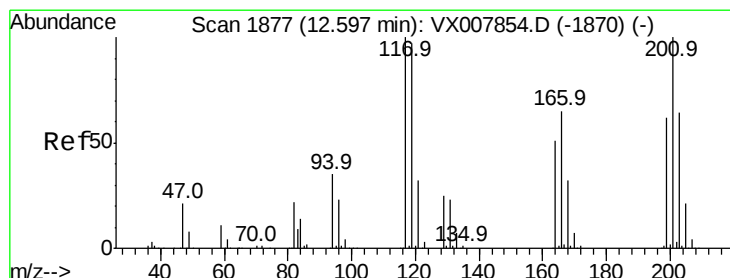
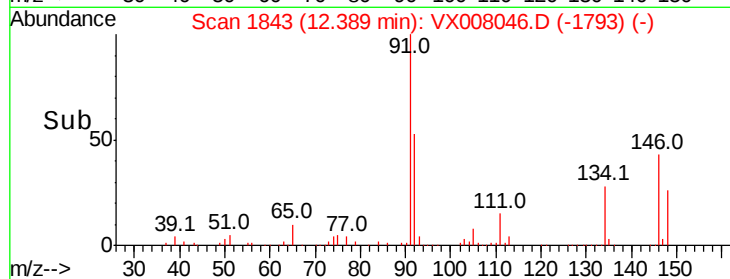
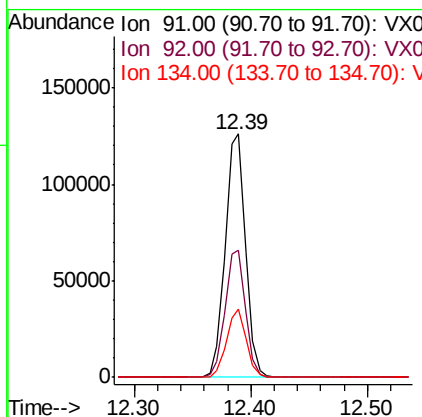
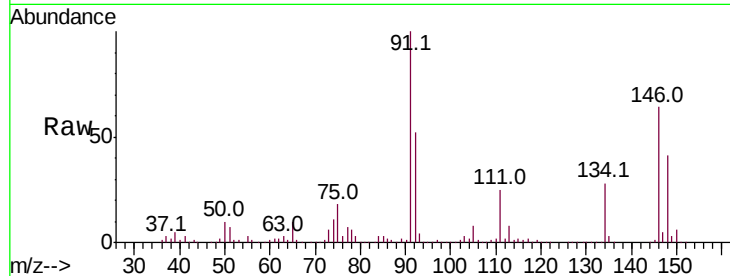
#89
n-Butylbenzene
Concen: 20.568 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	27.0	80.8	
134	27.1	13.7	41.0	

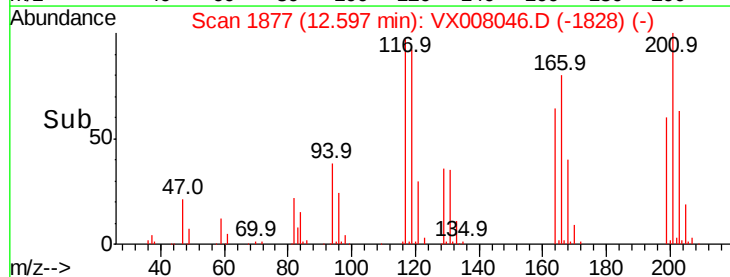
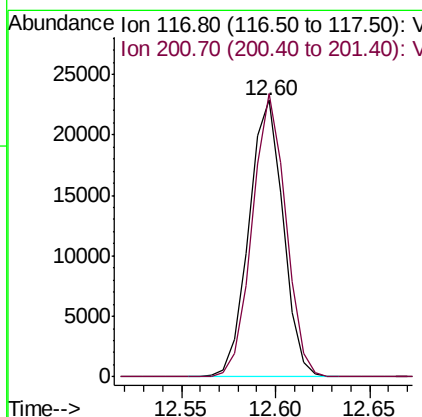
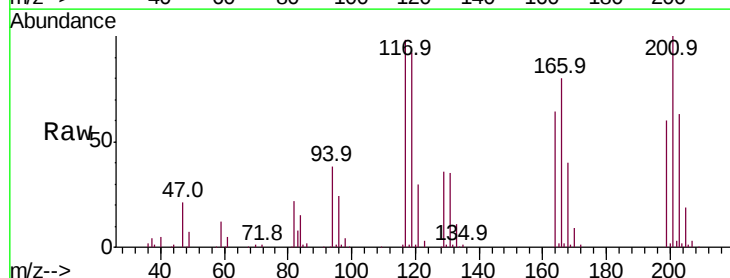
Manual Integrations
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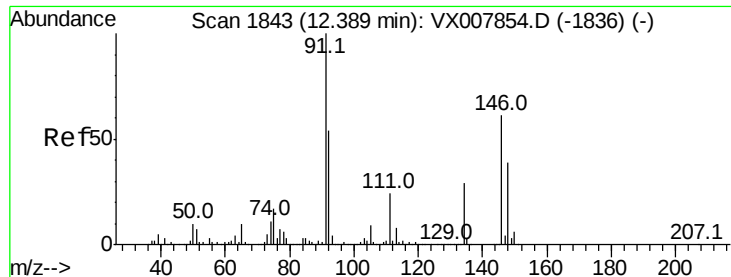
MMDadoda
3/14/2019 10:17:55 AM



#90
Hexachloroethane
Concen: 19.847 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	99.7	48.9	146.7	





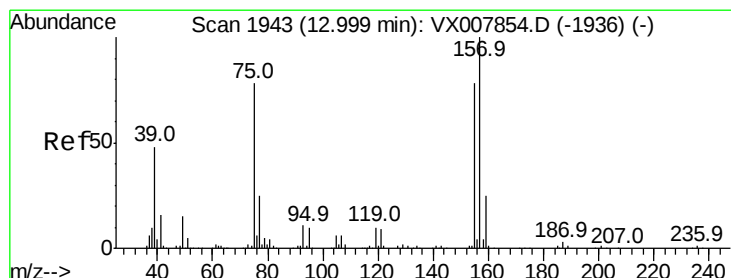
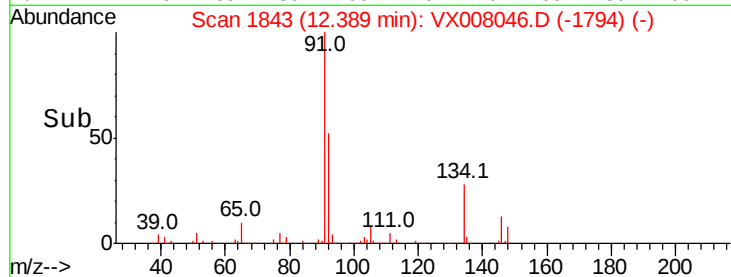
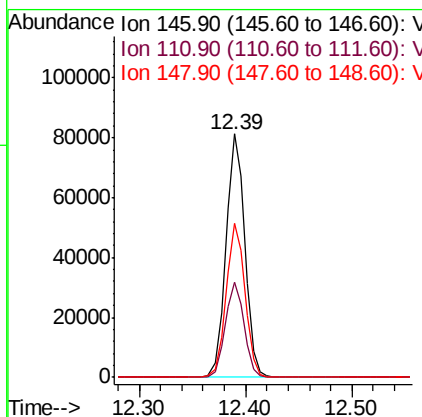
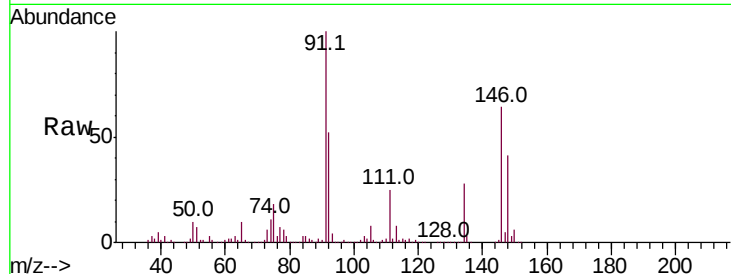
#91
 1,2-Dichlorobenzene
 Concen: 21.011 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.8
148	63.3	31.9	95.5

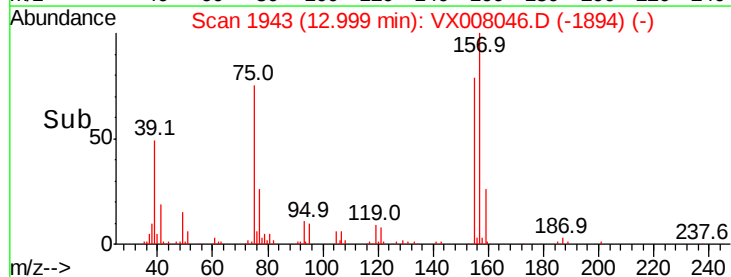
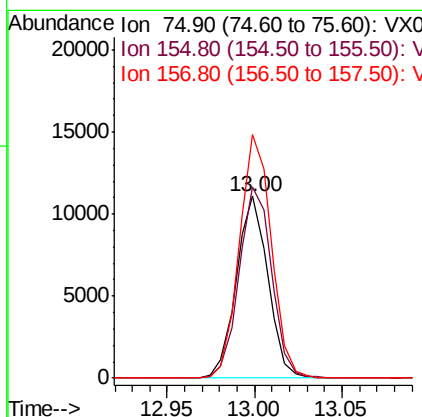
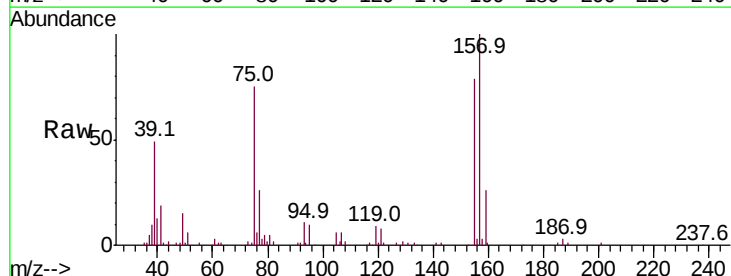
Manual Integrations
 APPROVED

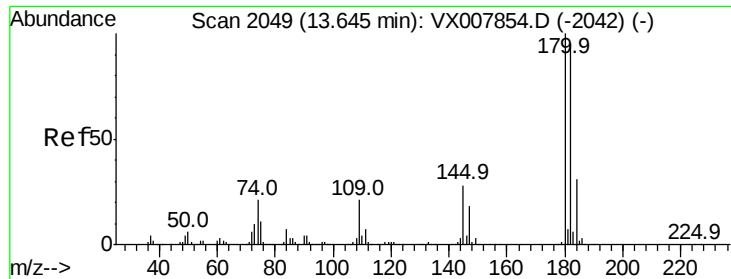
MMDadoda
 3/14/2019 10:17:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.427 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.9	49.7	149.1
157	135.2	63.8	191.4





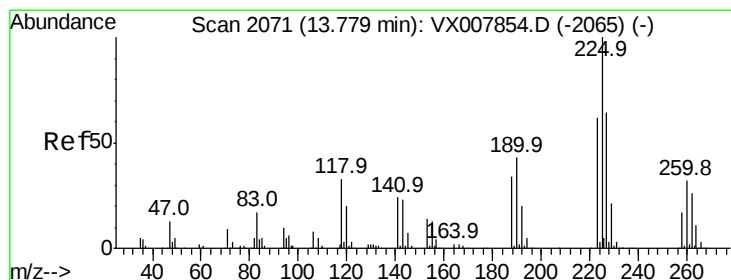
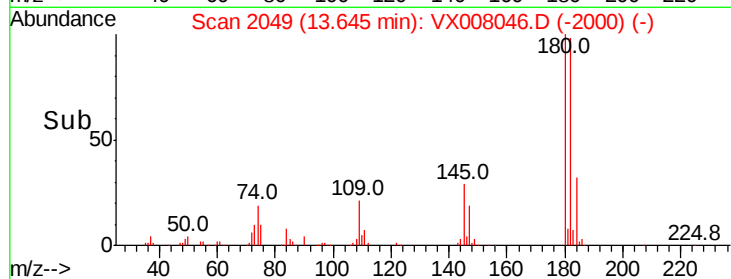
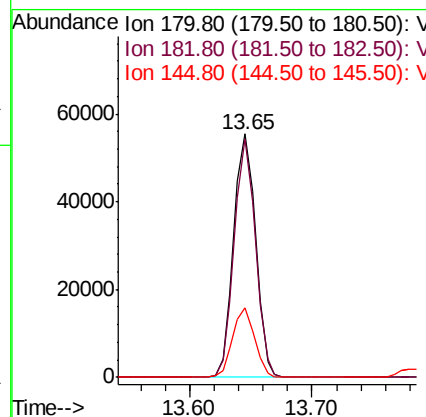
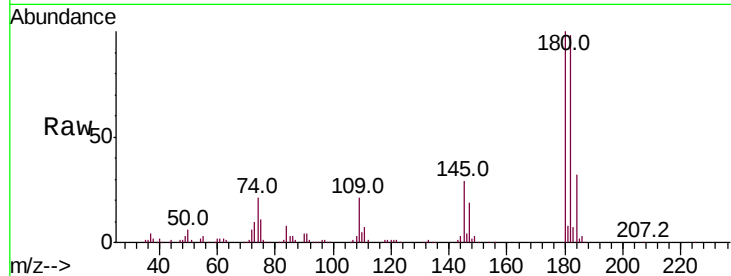
#93
1,2,4-Trichlorobenzene
Concen: 20.482 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68903		
182	94.6		47.9	143.7
145	28.5		14.1	42.4

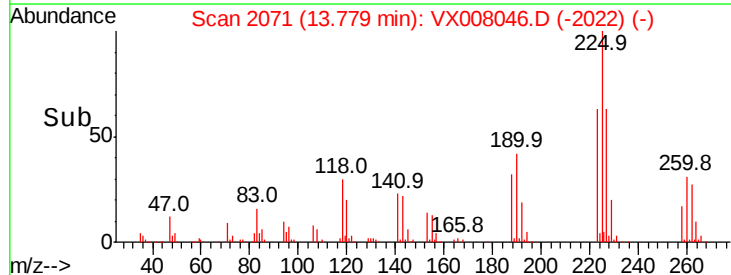
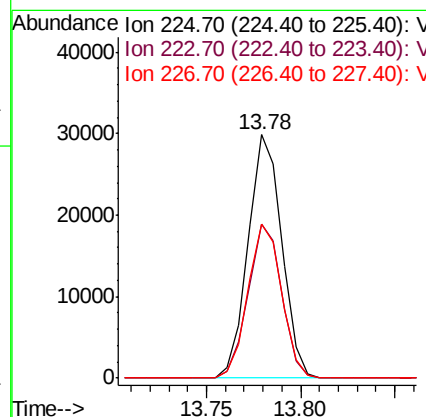
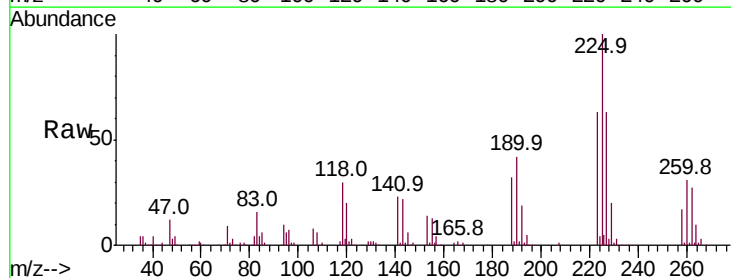
Manual Integrations
APPROVED

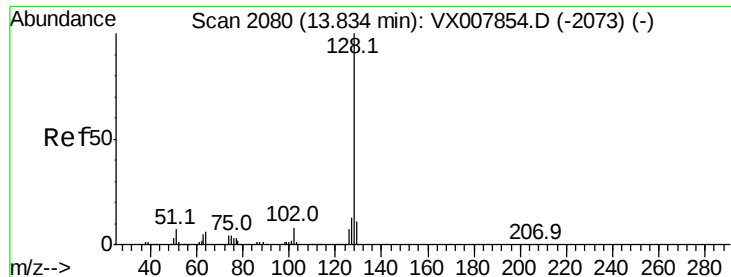
MMDadoda
3/14/2019 10:17:55 AM



#94
Hexachlorobutadiene
Concen: 21.041 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37007		
223	63.0		31.1	93.2
227	63.5		32.0	96.0





#95

Naphthalene

Concen: 21.303 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

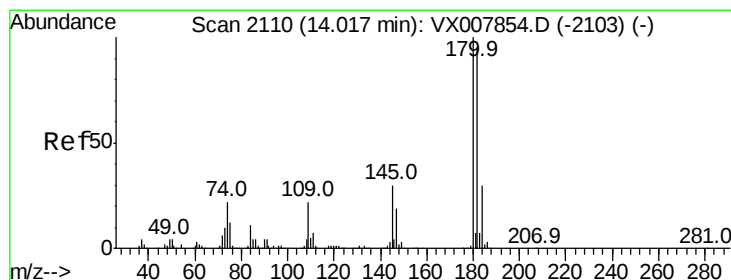
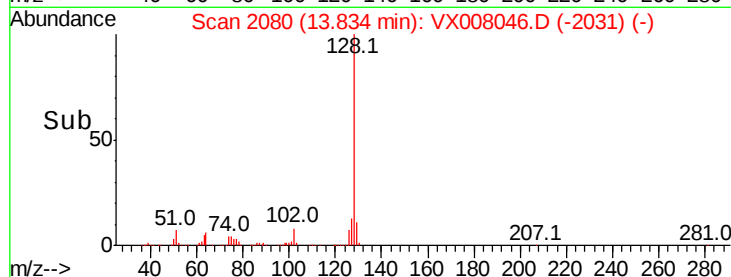
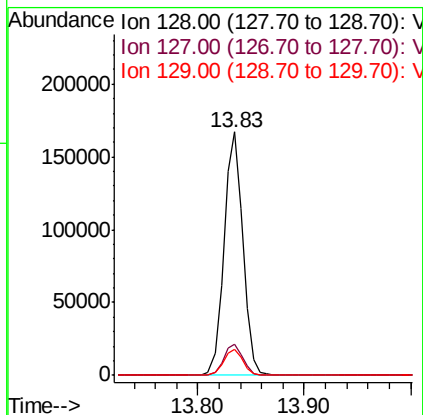
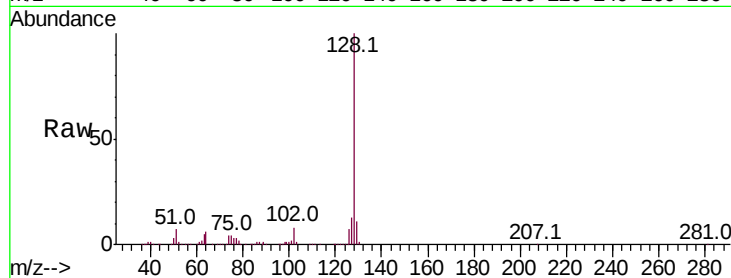
ClientSampleId :

VX0313WBS01

Tot Ion:	128	Resp:	206487
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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3/14/2019 10:17:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.487 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion:	180	Resp:	68655
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.5	142.5
145	30.7	14.8	44.3

