

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008066.D
 Acq On : 14 Mar 2019 12:39
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:07:06 AM

Quant Time: Mar 14 15:06:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 14 14:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	311355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	442597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	397822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	446386	147.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.94%	
35) Dibromofluoromethane	5.50	113	412164	153.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.48%	
50) Toluene-d8	8.71	98	1600818	154.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.76%	
62) 4-Bromofluorobenzene	11.13	95	600598	161.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	388490	154.949	ug/l	99
3) Chloromethane	1.32	50	455633	167.599	ug/l	98
4) Vinyl Chloride	1.41	62	397824	153.290	ug/l	100
5) Bromomethane	1.64	94	195003	147.942	ug/l	100
7) Trichlorofluoromethane	1.92	101	469809	152.725	ug/l	98
8) Diethyl Ether	2.19	74	254313	153.450	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	389366	159.375	ug/l	97
10) Methyl Iodide	2.51	142	421690	109.177	ug/l	97
11) Tert butyl alcohol	3.09	59	441586	730.056	ug/l	99
12) 1,1-Dichloroethene	2.37	96	366900	156.175	ug/l	93
13) Acrolein	2.30	56	386872	691.991	ug/l	99
14) Allyl chloride	2.73	41	665414	154.393	ug/l	97
15) Acrylonitrile	3.15	53	1068984	727.330	ug/l	100
16) Acetone	2.45	43	1100609	771.877	ug/l	96
17) Carbon Disulfide	2.57	76	1099310	156.842	ug/l	100
18) Methyl Acetate	2.78	43	485196	150.264	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	1202467	152.711	ug/l	98
20) Methylene Chloride	2.85	84	385503	149.512	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	388521	154.865	ug/l	93
22) Diisopropyl ether	3.87	45	1271842	147.439	ug/l	96
23) Vinyl Acetate	3.82	43	5451289	723.083	ug/l	97
24) 1,1-Dichloroethane	3.70	63	686490	144.788	ug/l	99
25) 2-Butanone	4.70	43	1634579	720.501	ug/l	96
26) 2,2-Dichloropropane	4.58	77	576592	162.722	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	452588	153.750	ug/l	97
28) Bromochloromethane	5.02	49	313737	137.484	ug/l	92
29) Tetrahydrofuran	5.15	42	1015401	705.063	ug/l	96
30) Chloroform	5.21	83	699484	150.868	ug/l	99
31) Cyclohexane	5.57	56	699542	155.279	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	623570	153.799	ug/l	97
36) 1,1-Dichloropropene	5.79	75	562370	159.128	ug/l	99
37) Ethyl Acetate	4.85	43	580941	148.569	ug/l	98
38) Carbon Tetrachloride	5.78	117	559159	160.072	ug/l	98
39) Methylcyclohexane	7.46	83	767455	166.818	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	1667811	153.749	ug/l	100
41) Methacrylonitrile	5.06	41	331405	148.629	ug/l	98
42) 1,2-Dichloroethane	6.20	62	524352	151.254	ug/l	99
43) Isopropyl Acetate	6.46	43	944833	150.259	ug/l	98
44) Trichloroethene	7.21	130	491917	159.213	ug/l	99
45) 1,2-Dichloropropane	7.51	63	449329	155.380	ug/l	100
46) Dibromomethane	7.66	93	286865	156.656	ug/l	98
47) Bromodichloromethane	7.90	83	559147	161.055	ug/l	100
48) Methyl methacrylate	7.77	41	507897	150.951	ug/l	97
49) 1,4-Dioxane	7.76	88	211380	3028.620	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	3018315	731.782	ug/l	97
52) Toluene	8.79	92	1077686	155.009	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	652610	165.023	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	710662	161.478	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	423340	151.064	ug/l	99
56) Ethyl methacrylate	9.18	69	669181	155.388	ug/l	96
57) 1,3-Dichloropropane	9.37	76	699616	151.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1968832	783.577	ug/l	97
59) 2-Hexanone	9.50	43	2429713	765.773	ug/l	97
60) Dibromochloromethane	9.59	129	473913	157.411	ug/l	99
61) 1,2-Dibromoethane	9.67	107	456178	150.343	ug/l	100
64) Tetrachloroethene	9.34	164	460304	147.686	ug/l	98
65) Chlorobenzene	10.14	112	1199597	156.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	440627	155.288	ug/l	99
67) Ethyl Benzene	10.25	91	2046723	157.433	ug/l	99
68) m/p-Xylenes	10.36	106	1584043	316.268	ug/l	99
69) o-Xylene	10.70	106	768304	157.878	ug/l	99
70) Stvrene	10.71	104	1295319	160.812	ug/l	100
71) Bromoform	10.86	173	400149	167.150	ug/l #	99
73) Isopropylbenzene	11.02	105	2064606	145.963	ug/l	99
74) N-amyl acetate	10.90	43	914198	154.486	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	661998	150.125	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	521333m	139.893	ug/l	
77) Bromobenzene	11.26	156	557038	147.283	ug/l	99
78) n-propylbenzene	11.36	91	2369962	149.870	ug/l	100
79) 2-Chlorotoluene	11.42	91	1380481	147.850	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1753977	149.337	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	234549	167.049	ug/l	93
82) 4-Chlorotoluene	11.51	91	1635930	153.672	ug/l	100
83) tert-Butylbenzene	11.77	119	1808187	157.077	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1822022	150.880	ug/l	99
85) sec-Butylbenzene	11.94	105	2148712	152.667	ug/l	100
86) p-Isopropyltoluene	12.07	119	1970593	154.392	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1043136	155.776	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1047330	156.889	ug/l	100
89) n-Butylbenzene	12.39	91	1762556	165.549	ug/l	100
90) Hexachloroethane	12.60	117	333078	162.423	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	1016931	154.999	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	149824	153.863	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	806226	170.893	ug/l	100

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Mar 14 14:45:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	414160	161.057	ug/l	99
95) Naphthalene	13.83	128	2213117	158.538	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	779053	165.632	ug/l	99

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

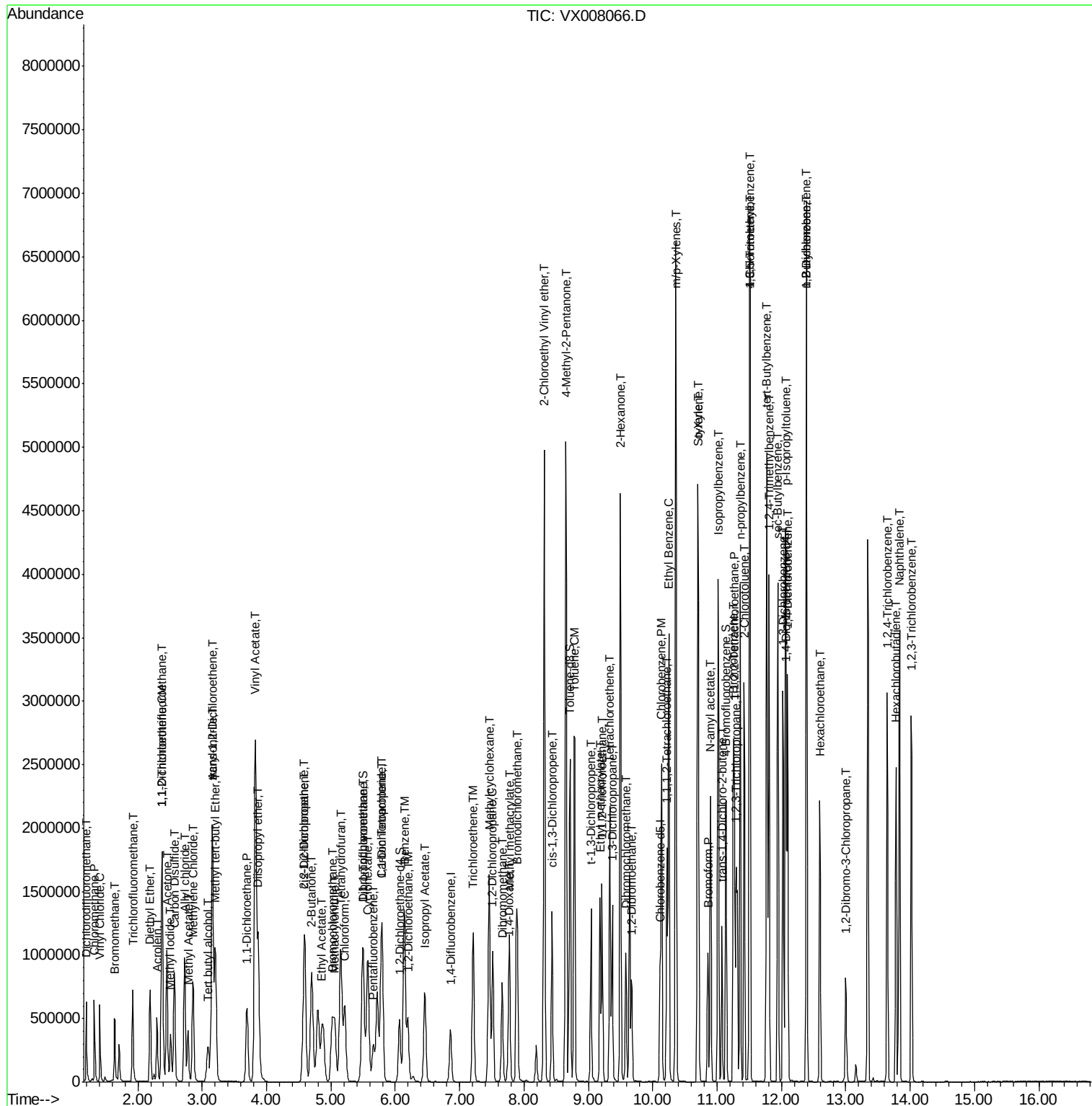
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008066.D
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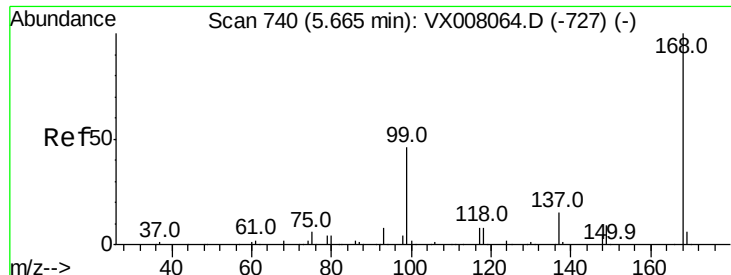
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 311355

Ion Ratio Lower Upper

168 100

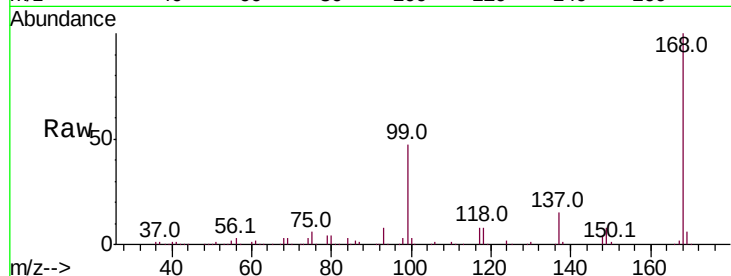
99 46.9 37.6 56.4

Manual Integrations

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3/15/2019 9:07:06 AM



Abundance Ion 167.90 (167.60 to 168.60): VX008064.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX008064.D (-727) (-)

150000

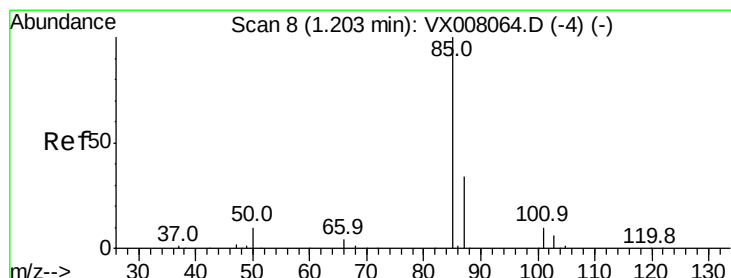
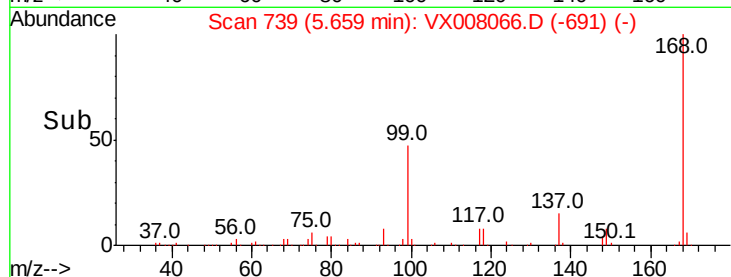
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 154.949 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX008066.D

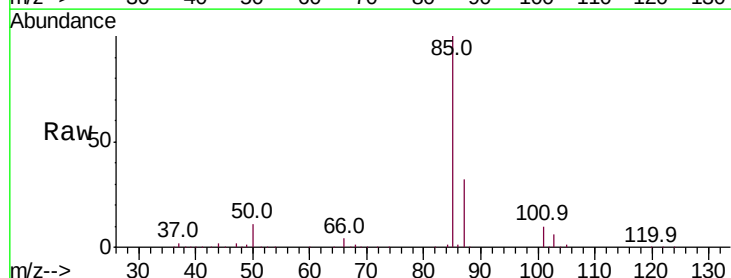
Acq: 14 Mar 2019 12:39

Tgt Ion: 85 Resp: 388490

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX008066.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VX008066.D (-1) (-)

400000

300000

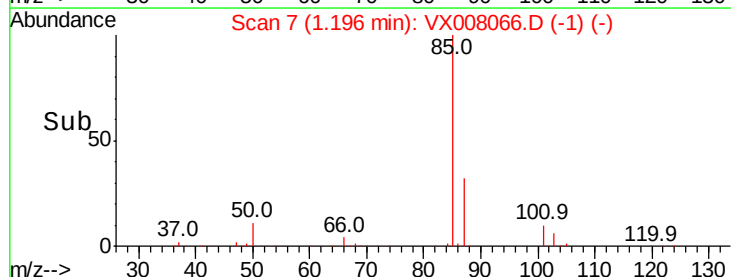
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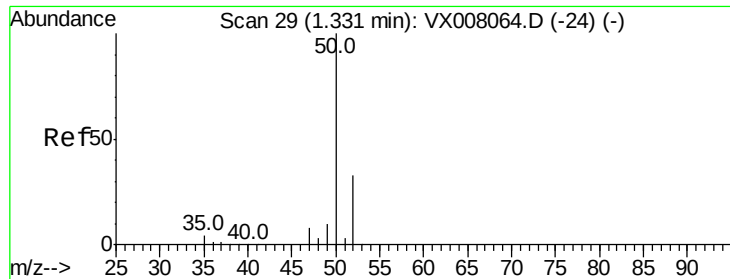
100000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 167.599 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 455633

Ion Ratio Lower Upper

50 100

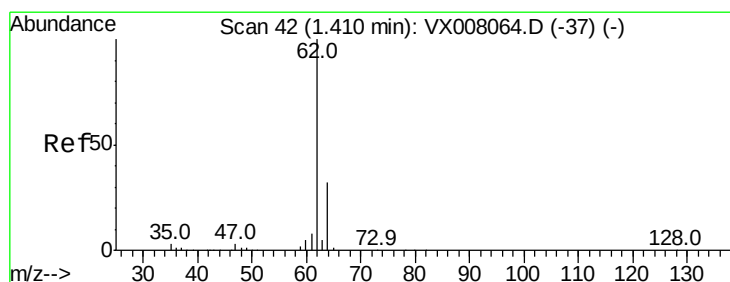
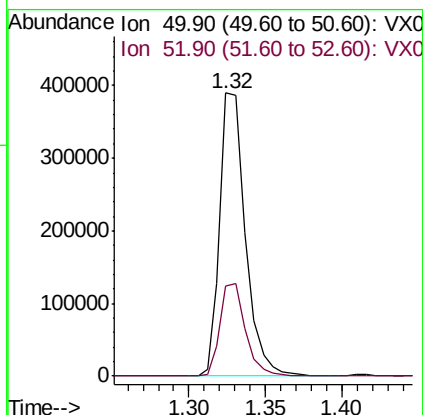
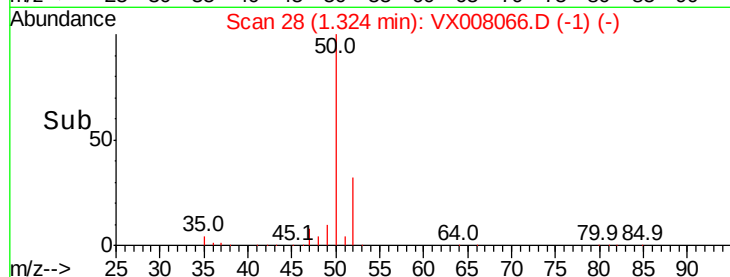
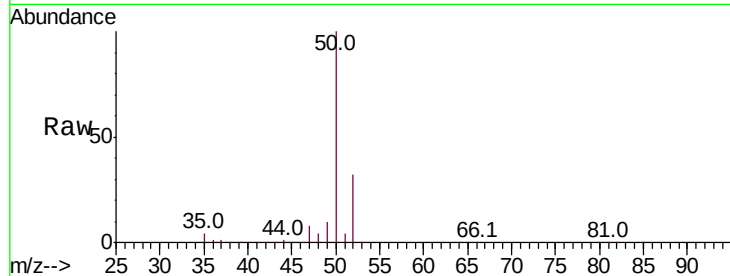
52 32.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 153.290 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008066.D

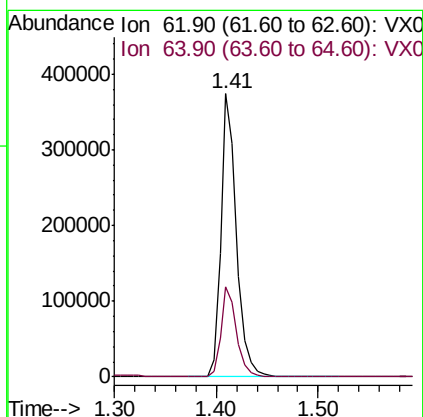
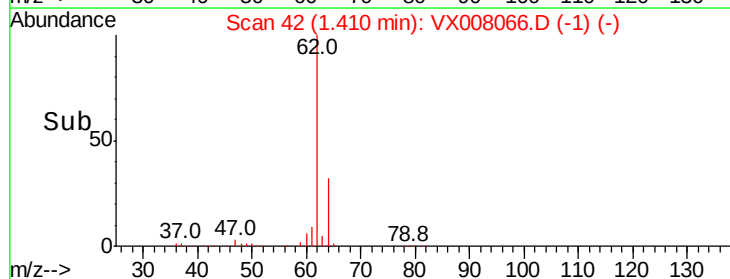
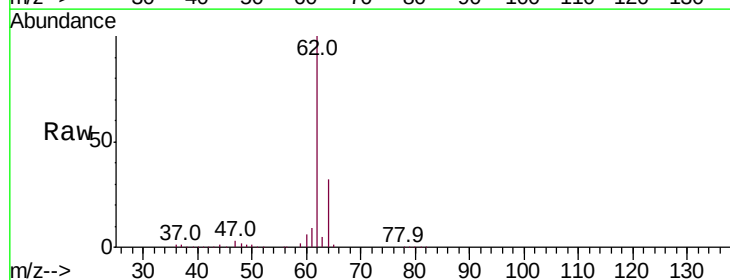
Acq: 14 Mar 2019 12:39

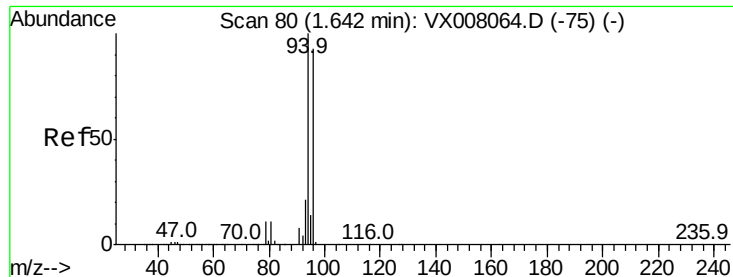
Tgt Ion: 62 Resp: 397824

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 147.942 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

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Tot Ion: 94 Resp: 195003

Ion Ratio Lower Upper

94 100

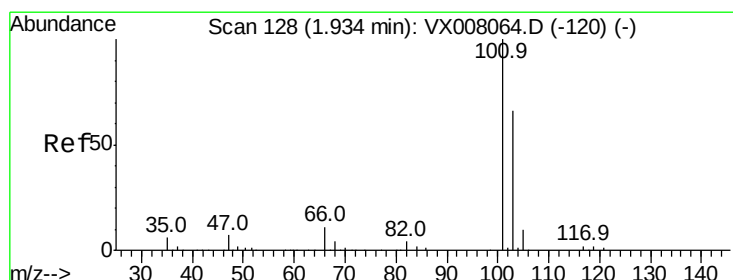
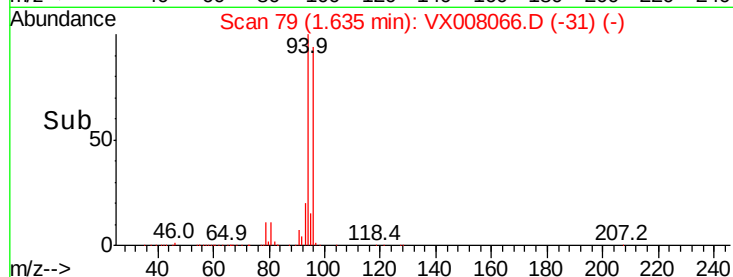
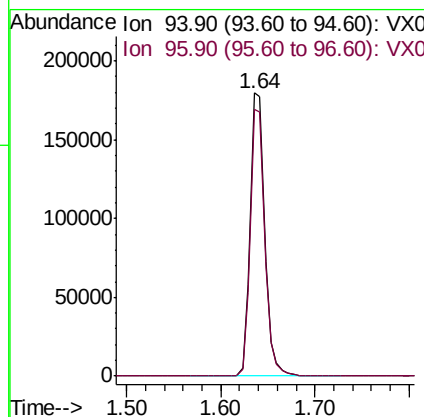
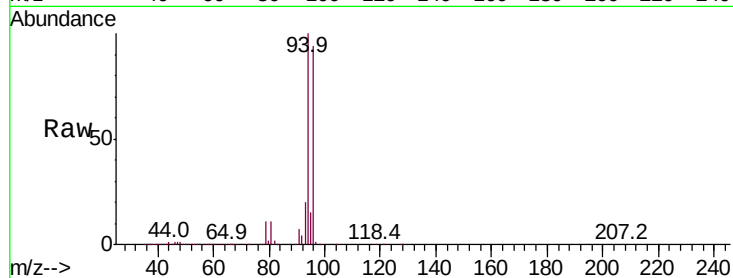
96 94.2 75.5 113.3

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#7

Trichlorofluoromethane

Concen: 152.725 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.01 min

Lab File: VX008066.D

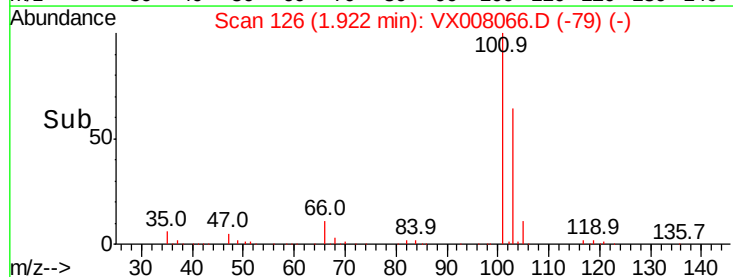
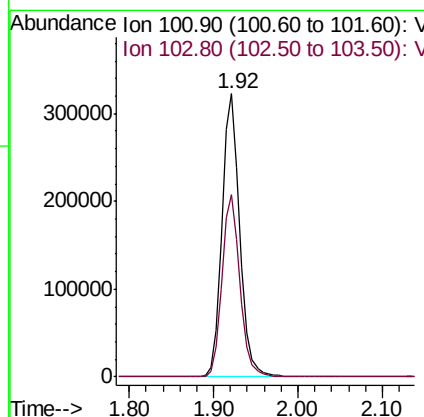
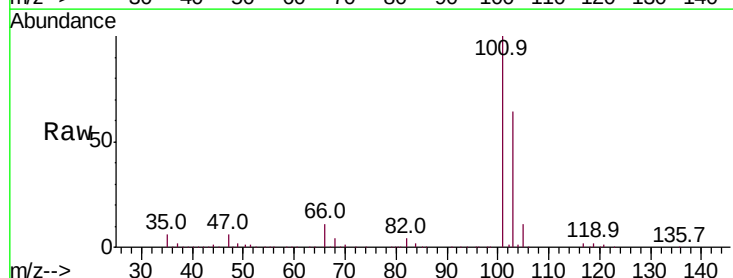
Acq: 14 Mar 2019 12:39

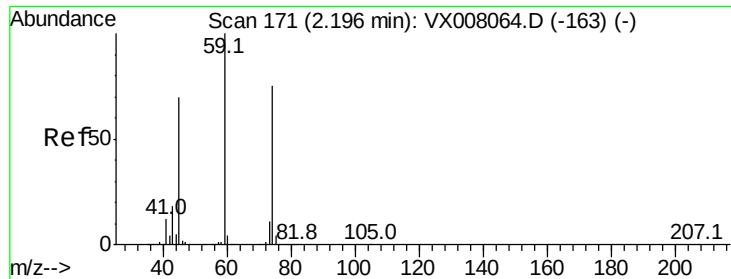
Tgt Ion: 101 Resp: 469809

Ion Ratio Lower Upper

101 100

103 64.3 50.4 75.6





#8

Diethyl Ether

Concen: 153.450 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

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ClientSampleId :

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Tot Ion: 74 Resp: 254313

Ion Ratio Lower Upper

74 100

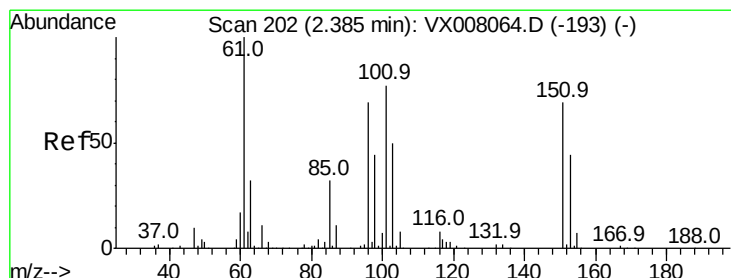
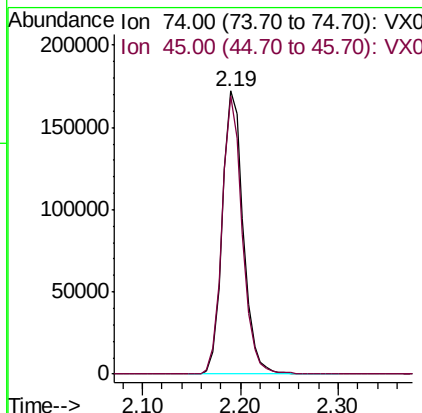
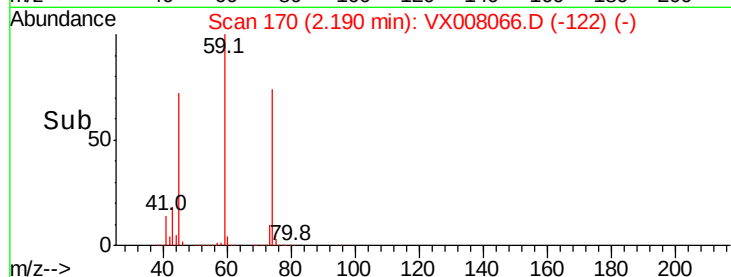
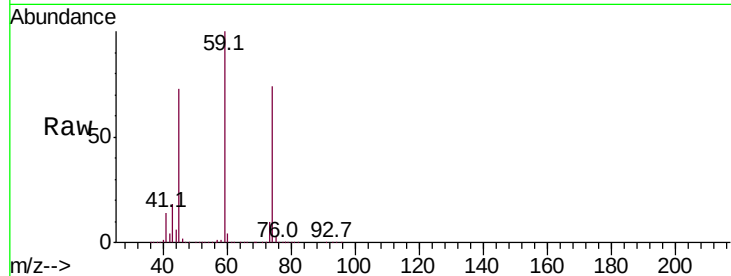
45 96.0 52.1 156.4

Manual Integrations

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3/15/2019 9:07:06 AM



#9

1,1,2-Trichlorotrifluoroethane

Concen: 159.375 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

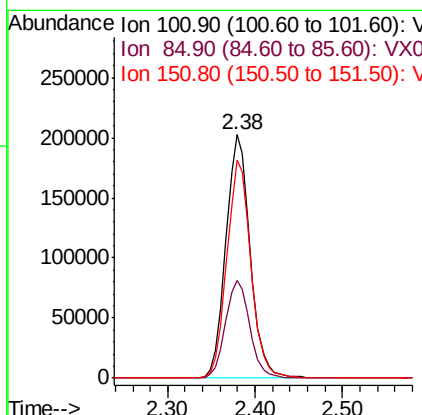
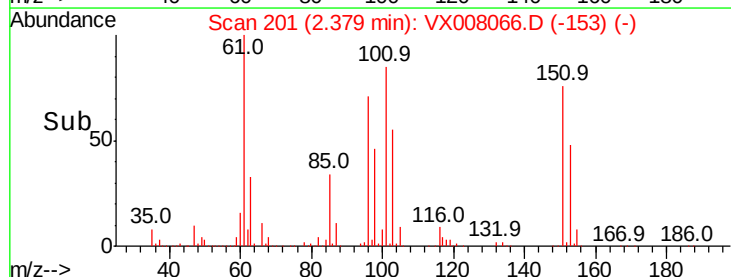
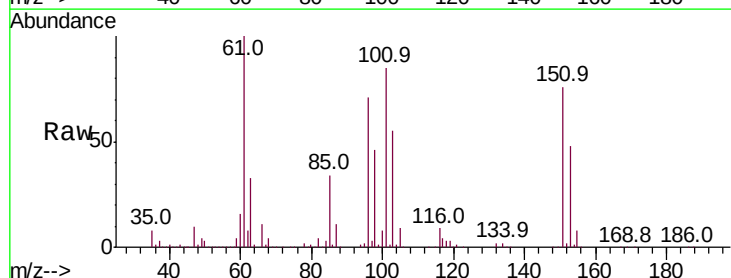
Tgt Ion: 101 Resp: 389366

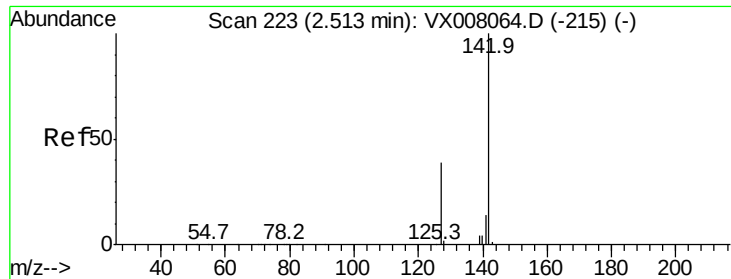
Ion Ratio Lower Upper

101 100

85 40.6 33.8 50.6

151 89.2 69.1 103.7





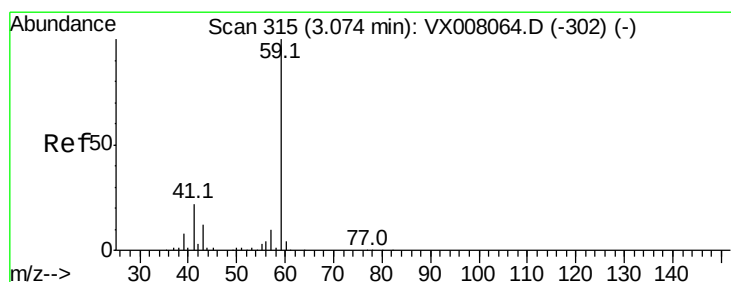
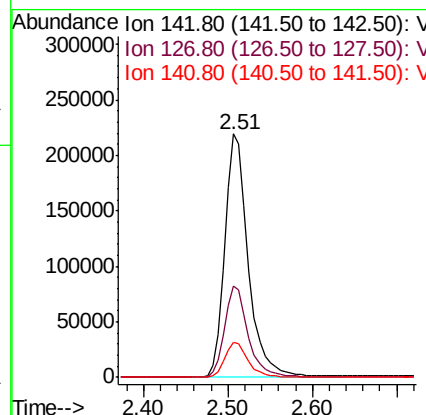
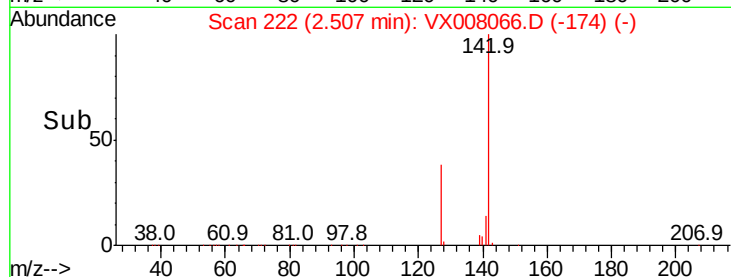
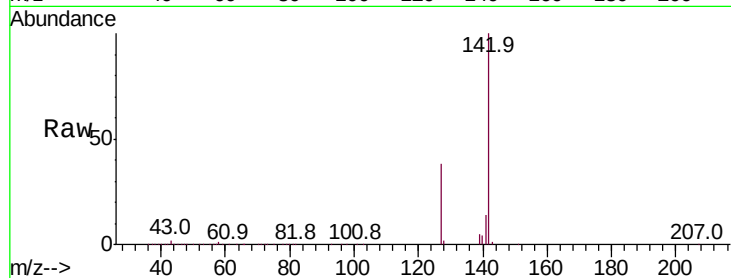
#10
Methyl Iodide
Concen: 109.177 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	32.1	48.1
141	14.4	11.4	17.2

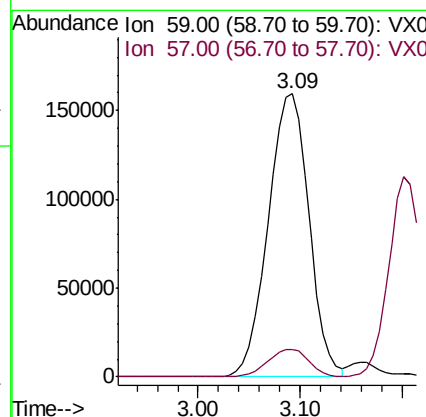
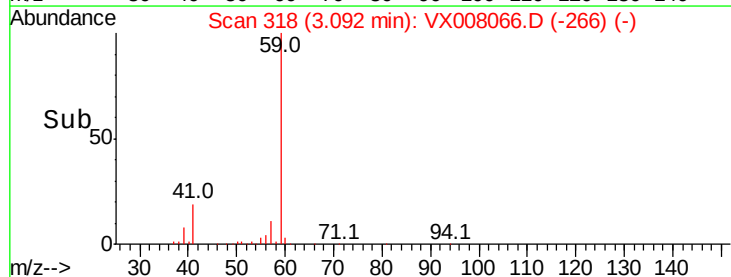
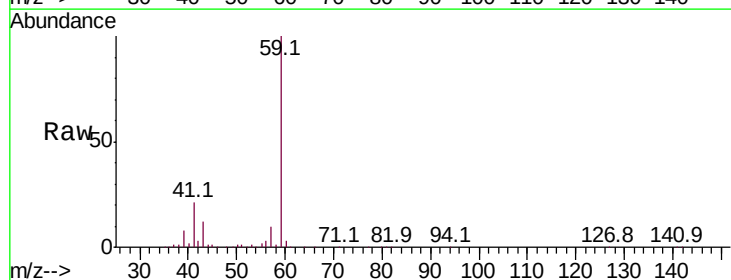
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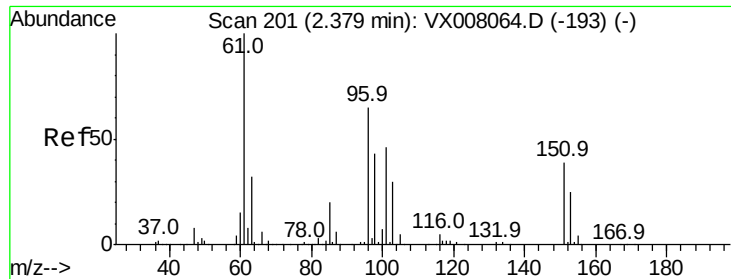
MMDadoda
3/15/2019 9:07:06 AM



#11
Tert butyl alcohol
Concen: 730.056 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2





#12

1,1-Dichloroethene

Concen: 156.175 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 366900

Ion Ratio Lower Upper

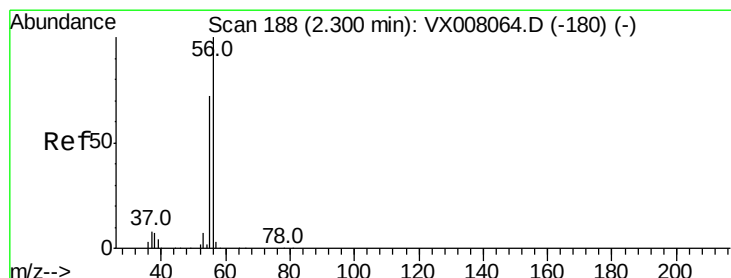
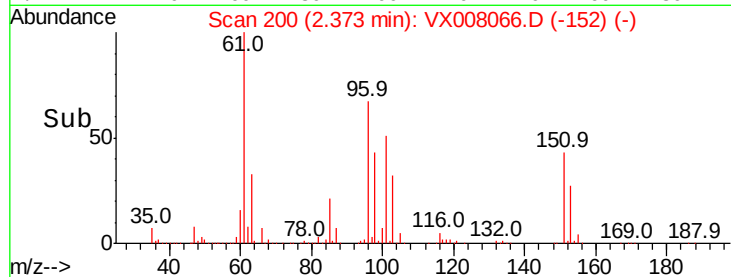
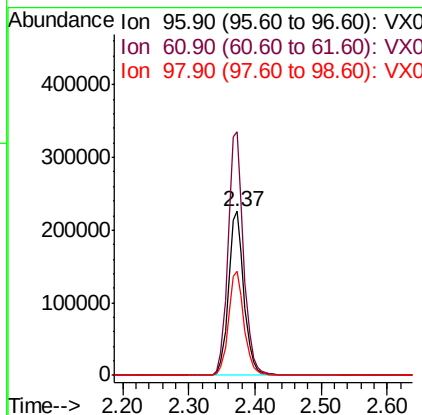
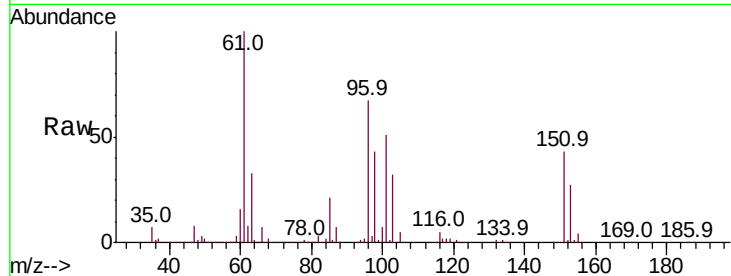
96 100

61 148.8 129.8 194.6

98 63.9 51.0 76.6

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#13

Acrolein

Concen: 691.991 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX008066.D

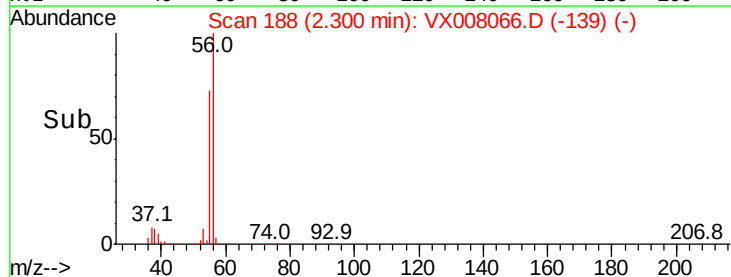
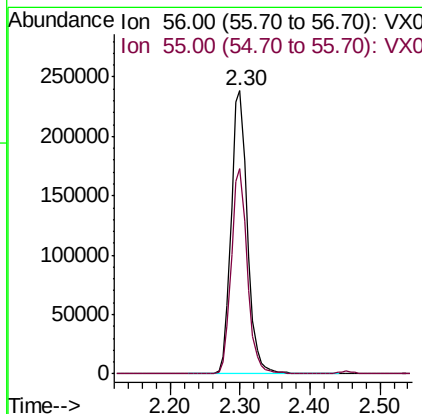
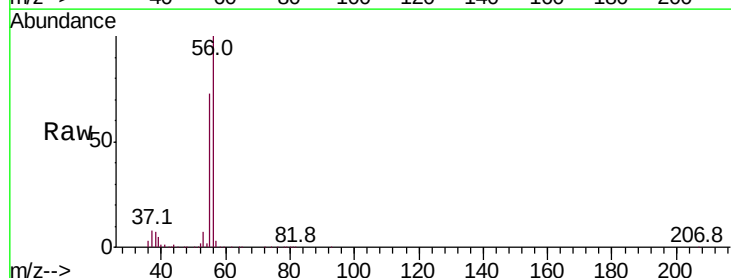
Acq: 14 Mar 2019 12:39

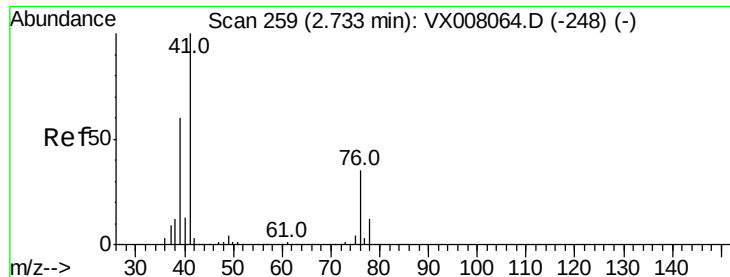
Tgt Ion: 56 Resp: 386872

Ion Ratio Lower Upper

56 100

55 71.6 57.8 86.6





#14

Allvl chloride

Concen: 154.393 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

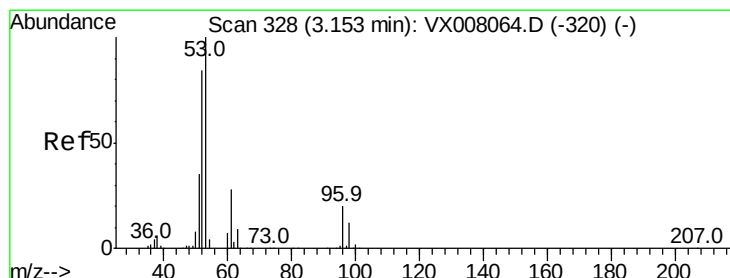
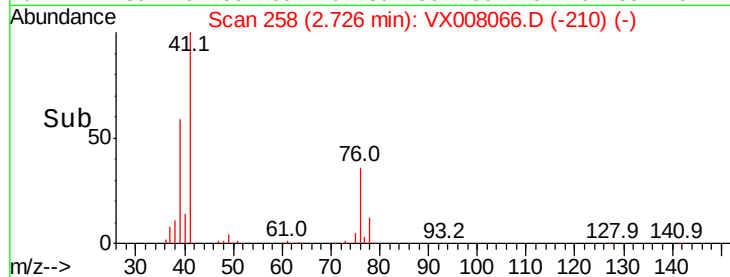
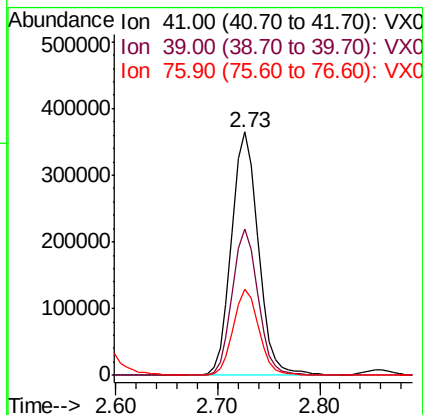
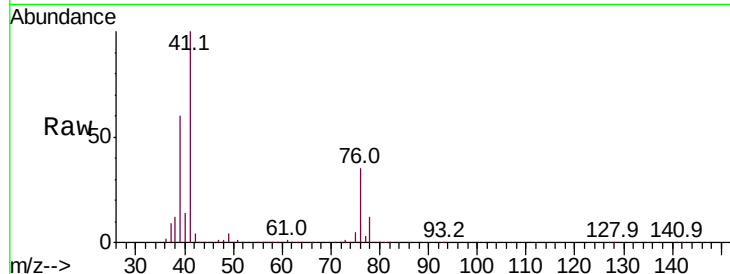
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	665414
Ion Ratio	Lower	Upper	
41	100		
39	57.9	46.1	69.1
76	33.7	24.0	36.0

Manual Integrations
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#15

Acrylonitrile

Concen: 727.330 ug/l

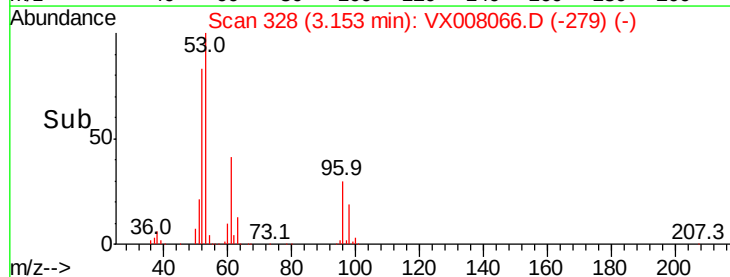
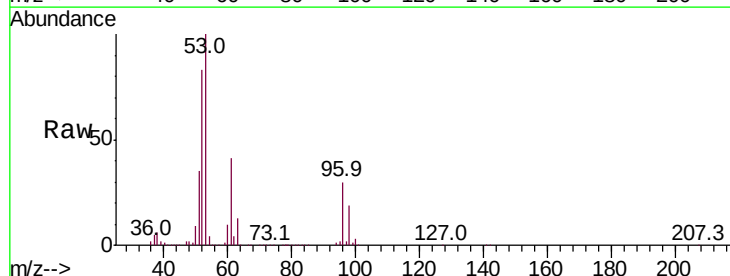
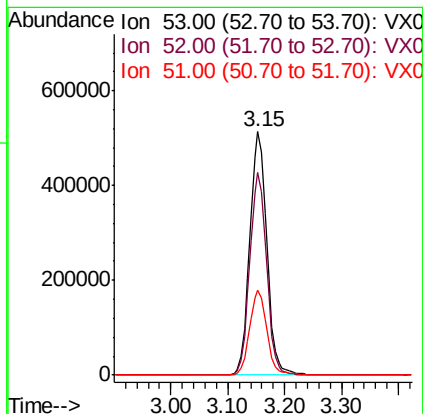
RT: 3.15 min Scan# 328

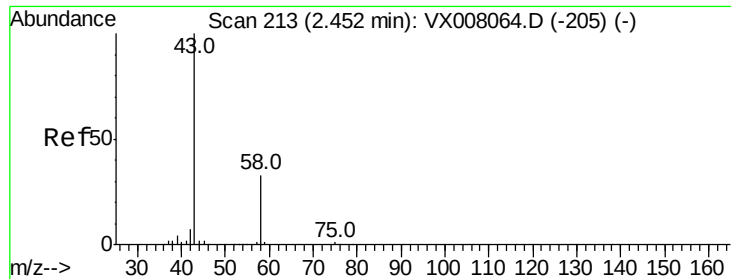
Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Tgt Ion:	53	Resp:	1068984
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.0	99.0
51	35.1	28.0	42.0





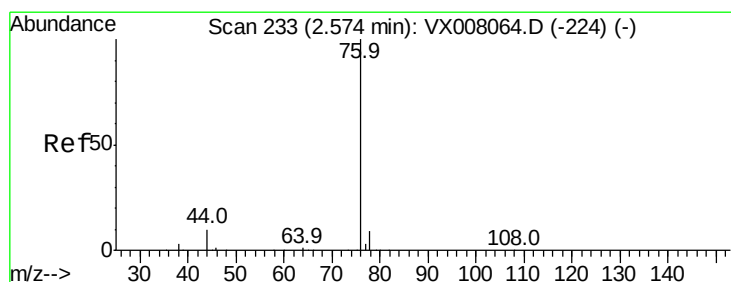
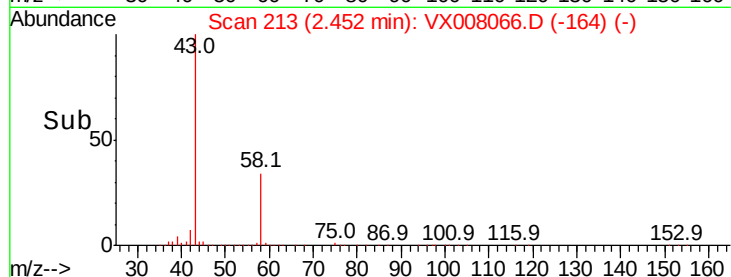
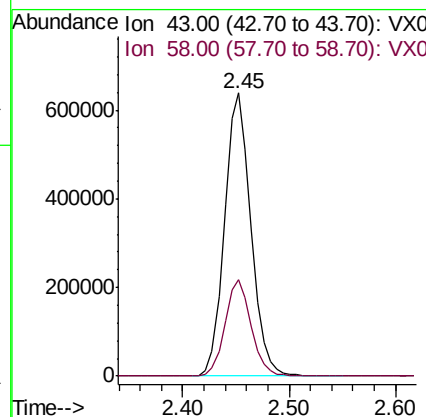
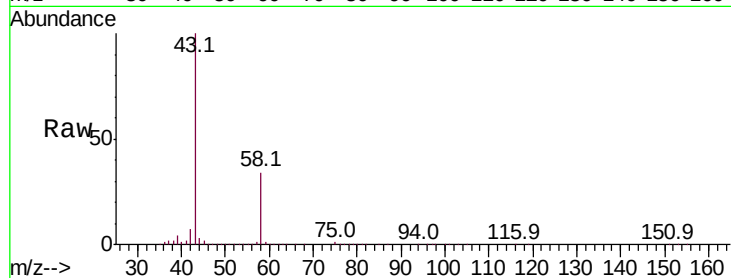
#16
Acetone
Concen: 771.877 ug/l
RT: 2.45 min Scan# 213
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1100609
Ion Ratio Lower Upper
43 100
58 34.1 25.5 38.3

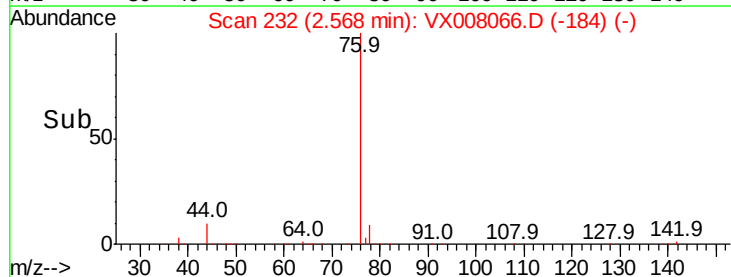
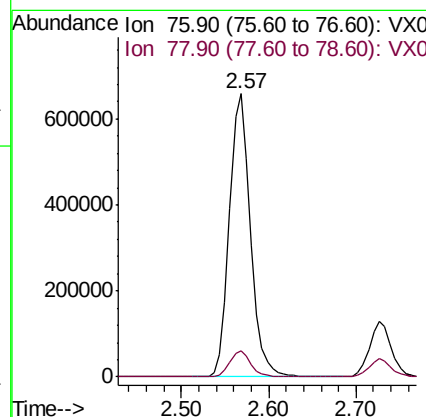
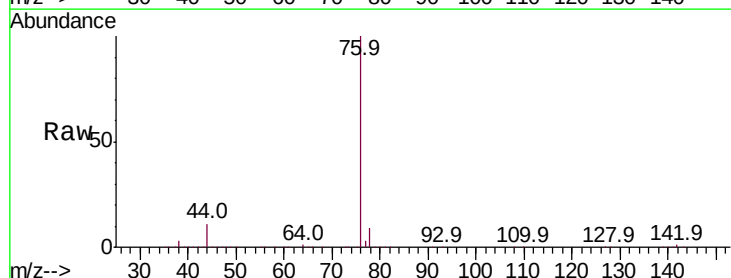
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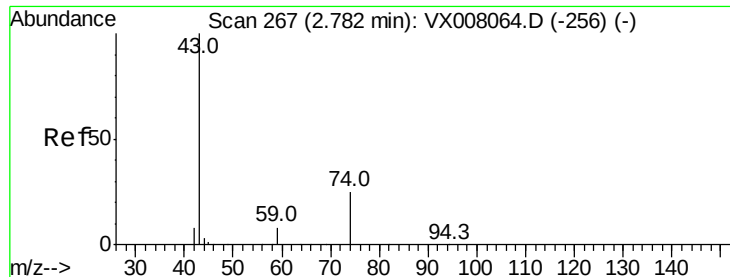
MMDadoda
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#17
Carbon Disulfide
Concen: 156.842 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion: 76 Resp: 1099310
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





#18

Methvl Acetate

Concen: 150.264 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 485196

Ion Ratio Lower Upper

43 100

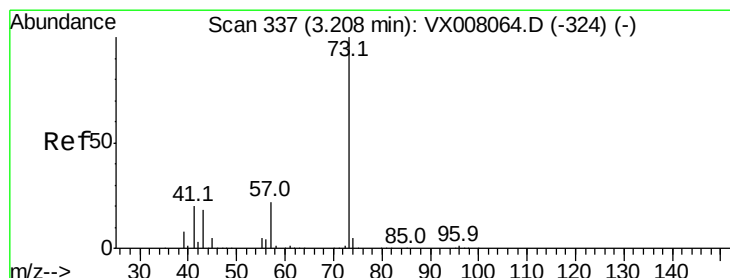
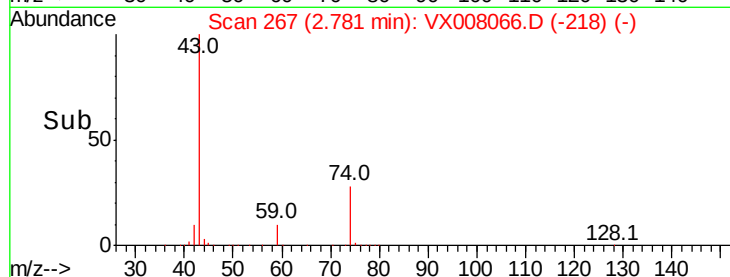
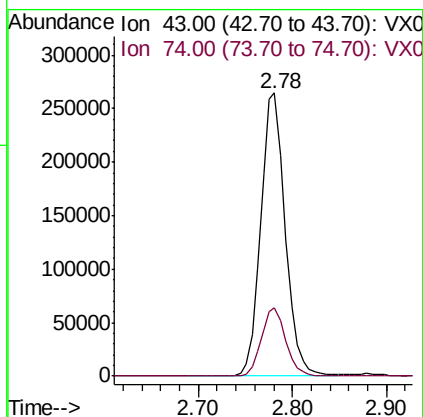
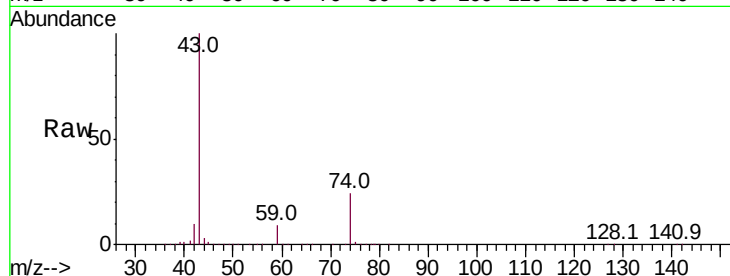
74 24.2 17.8 26.6

Manual Integrations

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#19

Methyl tert-butyl Ether

Concen: 152.711 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX008066.D

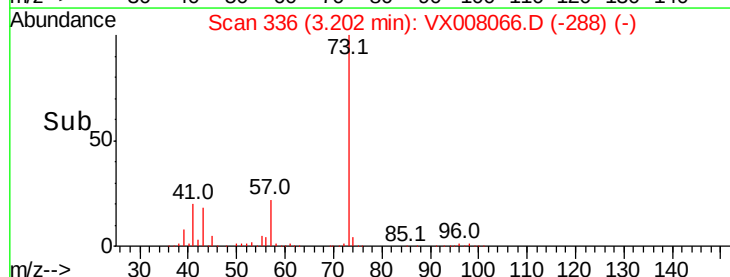
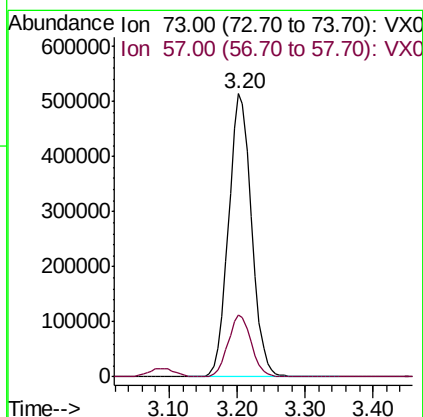
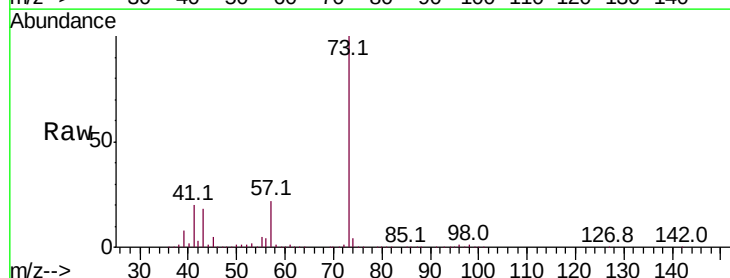
Acq: 14 Mar 2019 12:39

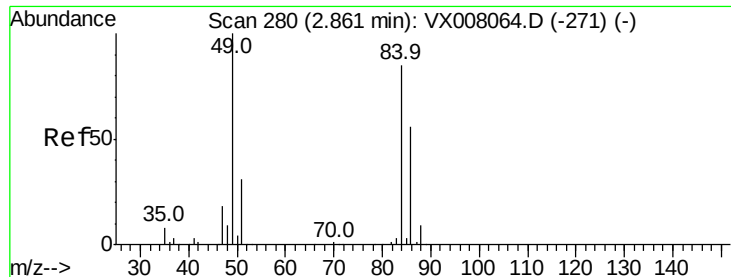
Tgt Ion: 73 Resp: 1202467

Ion Ratio Lower Upper

73 100

57 21.9 18.2 27.4





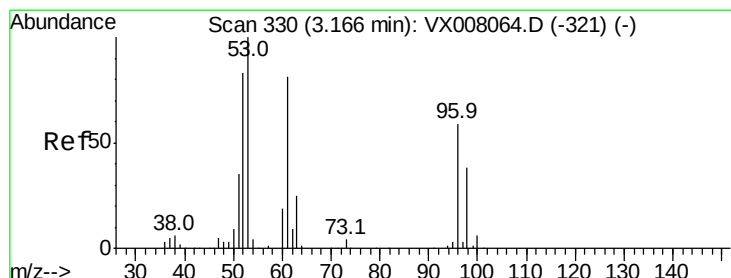
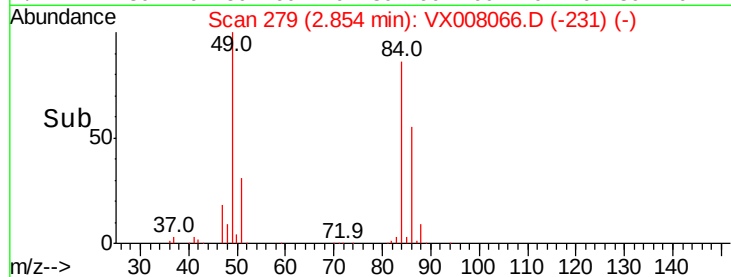
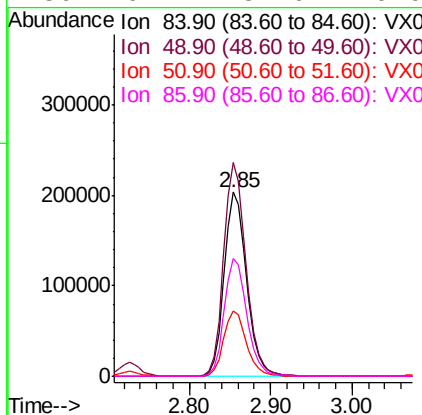
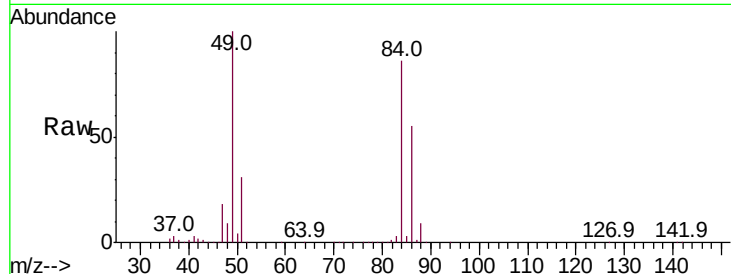
#20
Methylene Chloride
Concen: 149.512 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
84	100		
49	115.9	99.3	148.9
51	35.6	31.3	46.9
86	64.2	52.6	79.0

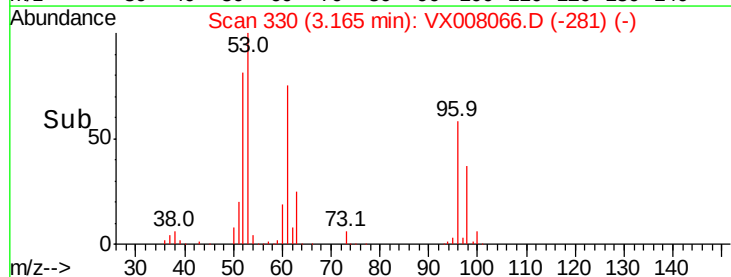
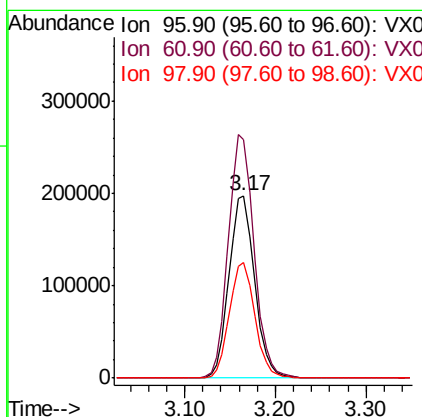
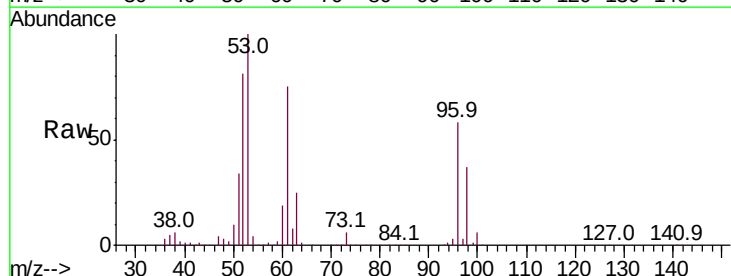
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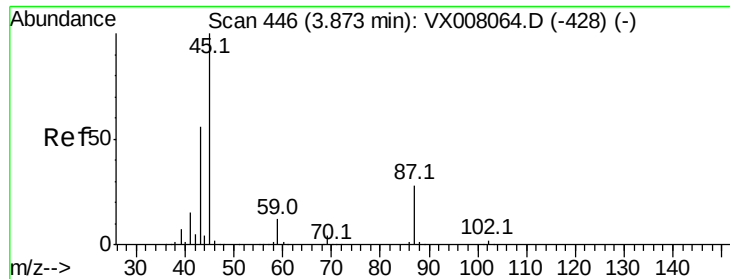
MMDadoda
3/15/2019 9:07:06 AM



#21
trans-1,2-Dichloroethene
Concen: 154.865 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.4	114.4	171.6
98	63.6	51.1	76.7





#22

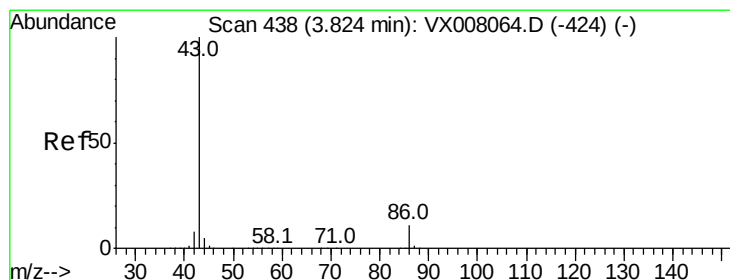
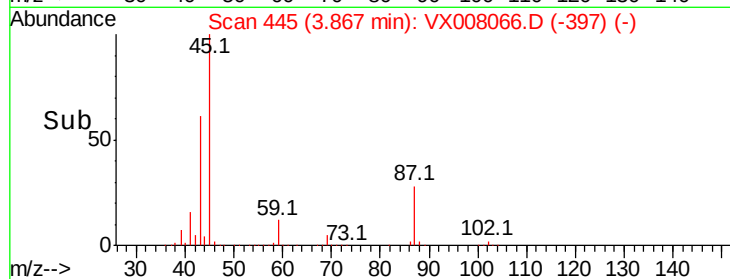
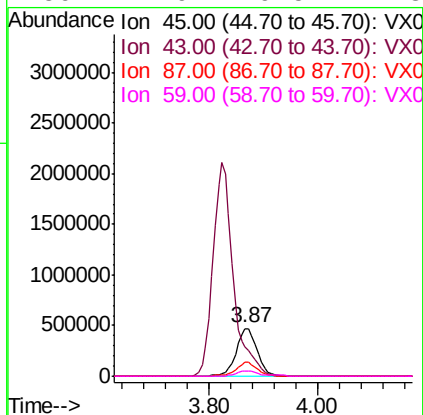
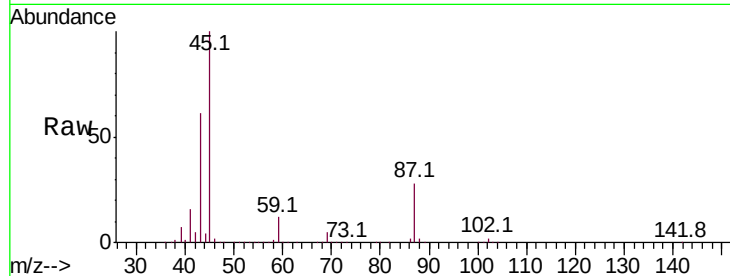
Diisopropyl ether
Concen: 147.439 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
45	100		
43	60.6	45.3	67.9
87	28.4	21.4	32.0
59	11.9	9.5	14.3

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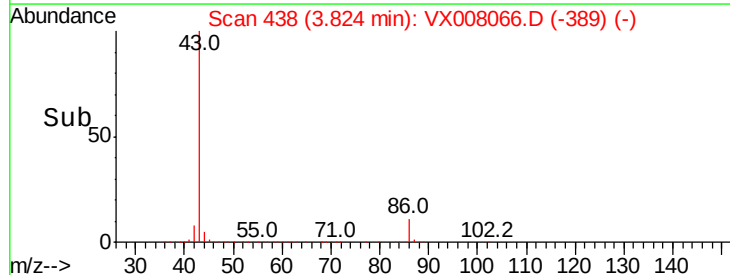
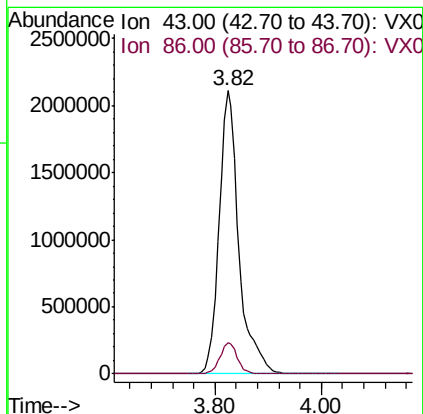
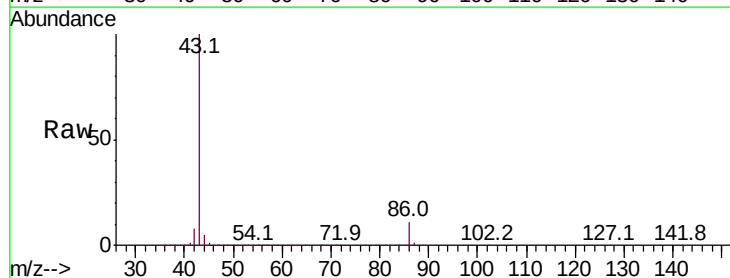
MMDadoda
3/15/2019 9:07:06 AM

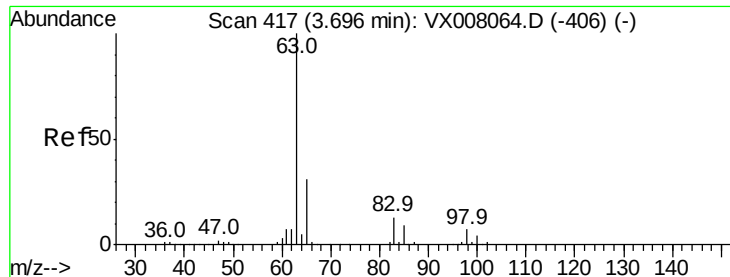


#23

Vinyl Acetate
Concen: 723.083 ug/l
RT: 3.82 min Scan# 438
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.9	11.9





#24

1,1-Dichloroethane

Concen: 144.788 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

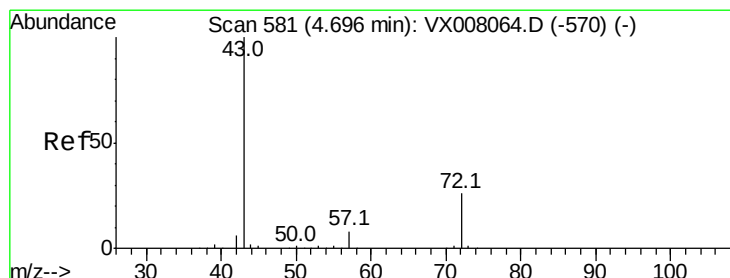
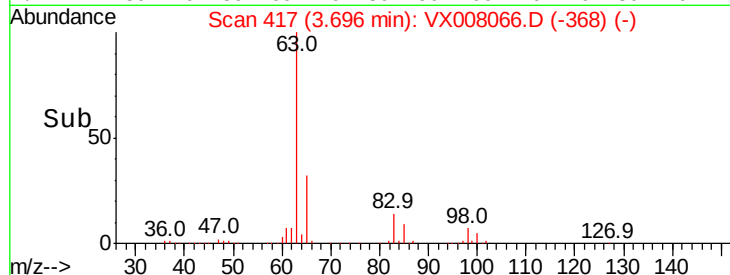
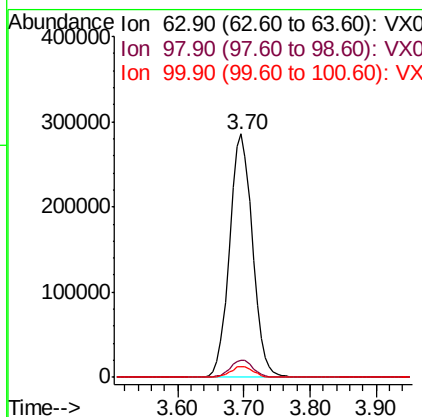
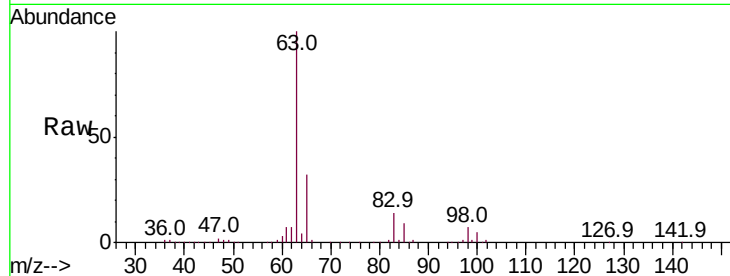
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	686490
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.3	9.8
100	4.5	2.3	6.8

Manual Integrations
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#25

2-Butanone

Concen: 720.501 ug/l

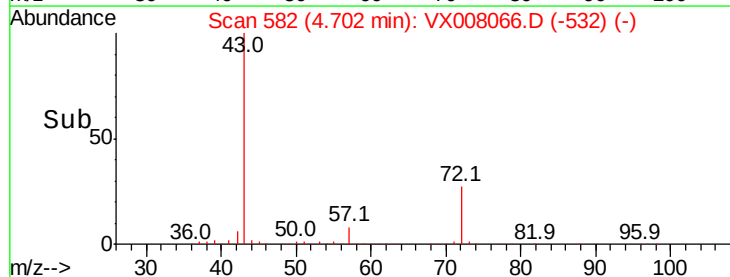
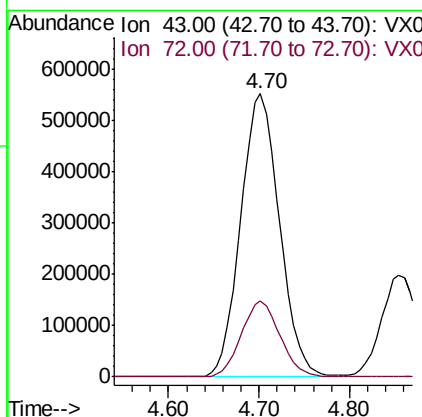
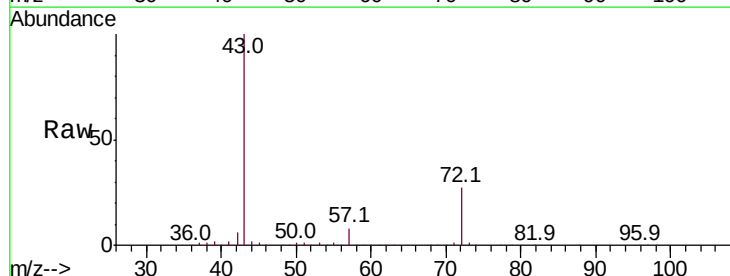
RT: 4.70 min Scan# 582

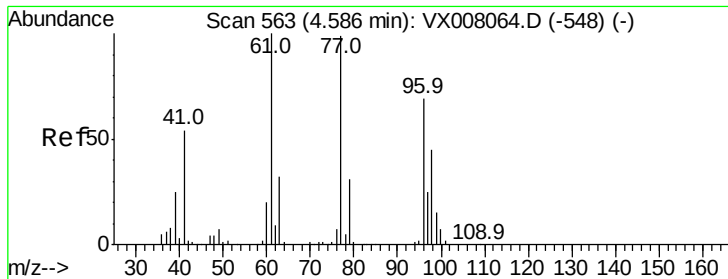
Delta R.T. 0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Tgt Ion:	43	Resp:	1634579
Ion Ratio	Lower	Upper	
43	100		
72	26.8	19.9	29.9





#26

2,2-Dichloropropane

Concen: 162.722 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 576592

Ion Ratio Lower Upper

77 100

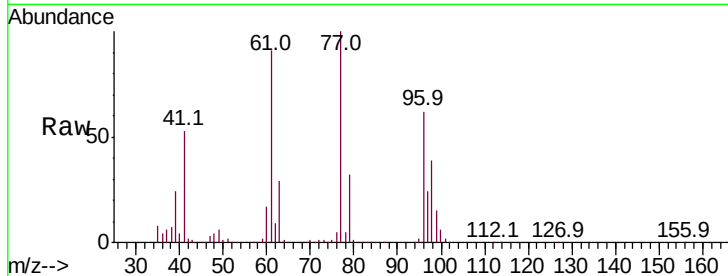
97 24.4 12.2 36.6

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Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

200000

150000

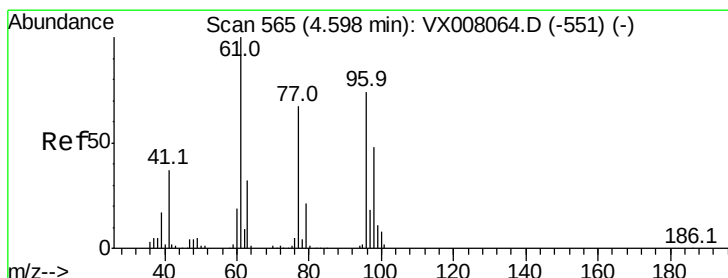
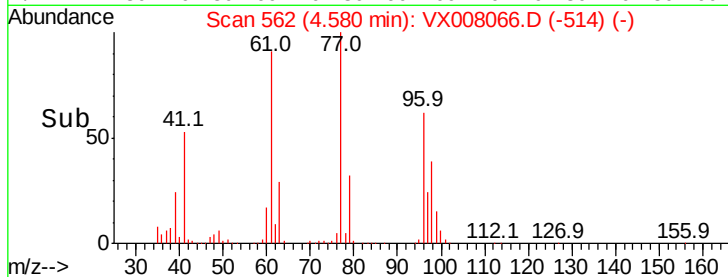
100000

50000

0

4.40 4.50 4.60 4.70 4.80

Time-->



#27

cis-1,2-Dichloroethene

Concen: 153.750 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

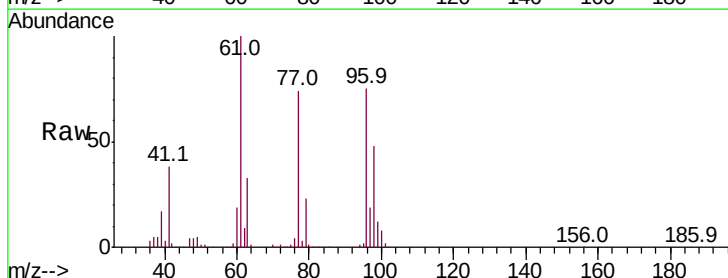
Tgt Ion: 96 Resp: 452588

Ion Ratio Lower Upper

96 100

61 139.0 0.0 288.0

98 64.8 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

300000

250000

200000

150000

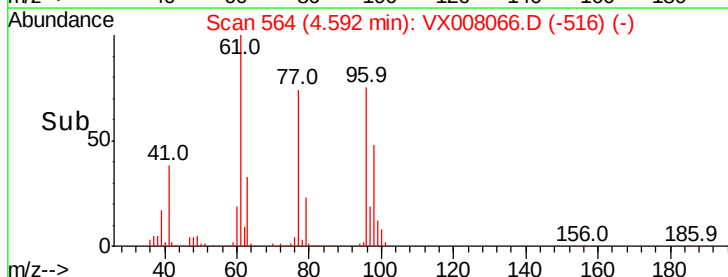
100000

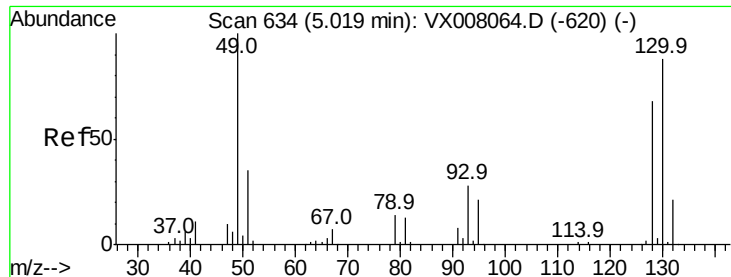
50000

0

4.50 4.60 4.70

Time-->





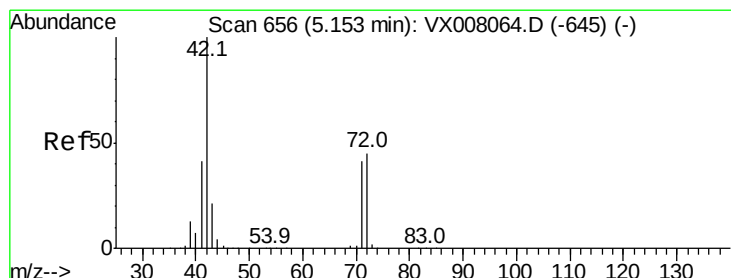
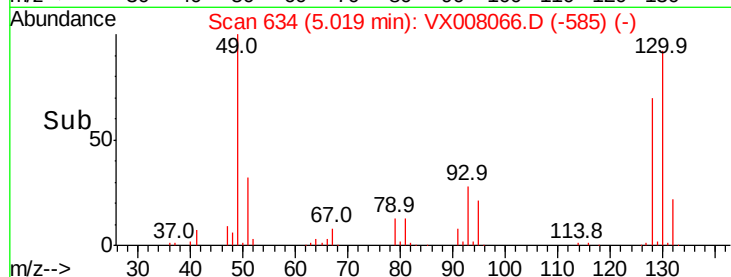
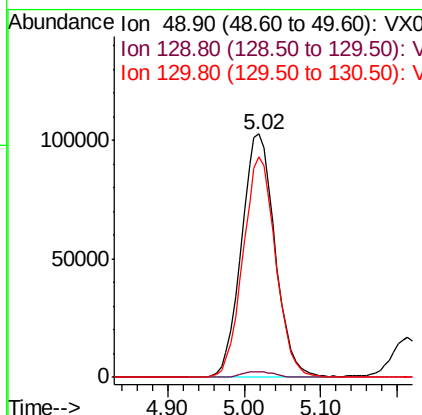
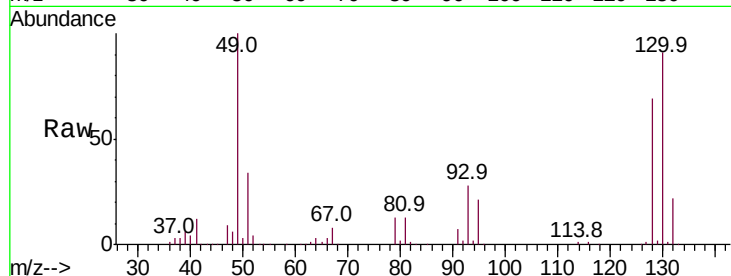
#28
Bromochloromethane
Concen: 137.484 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	88.1	65.0	97.4

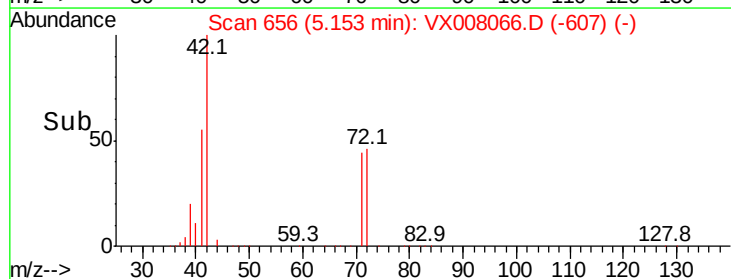
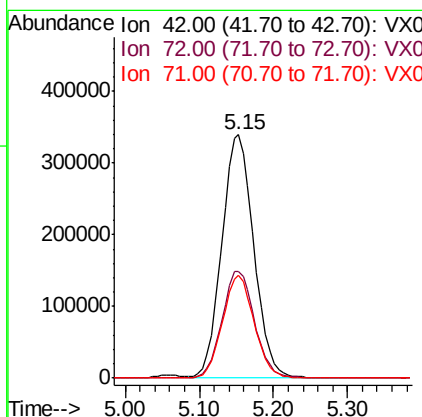
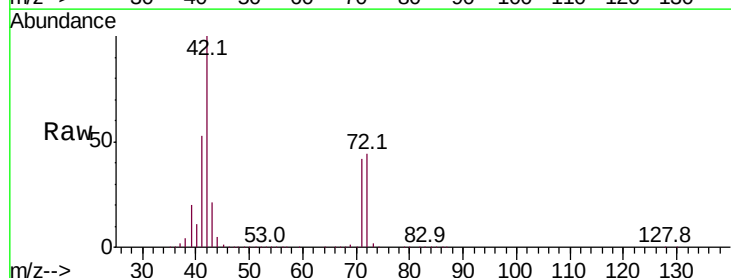
Manual Integrations
APPROVED

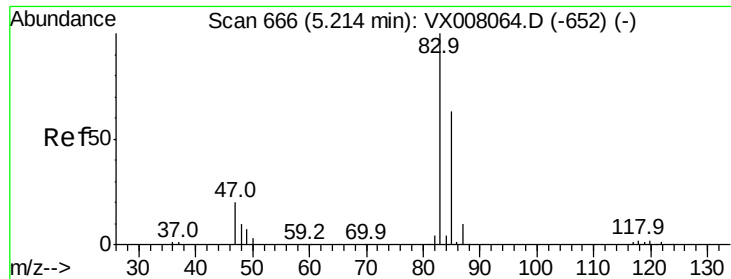
MMDadoda
3/15/2019 9:07:06 AM



#29
Tetrahydrofuran
Concen: 705.063 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	33.8	50.6
71	41.9	31.5	47.3





#30

Chloroform

Concen: 150.868 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 699484

Ion Ratio Lower Upper

83 100

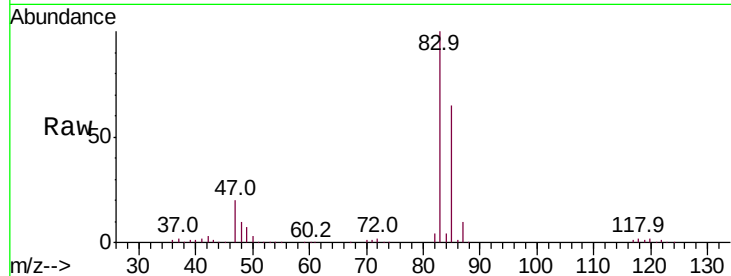
85 65.4 51.8 77.6

Manual Integrations

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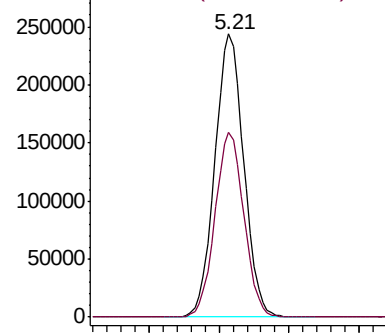
MMDadoda

3/15/2019 9:07:06 AM

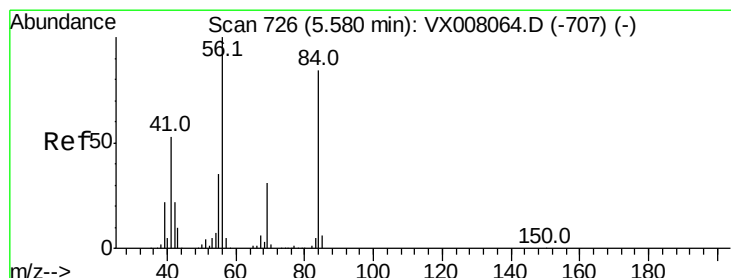
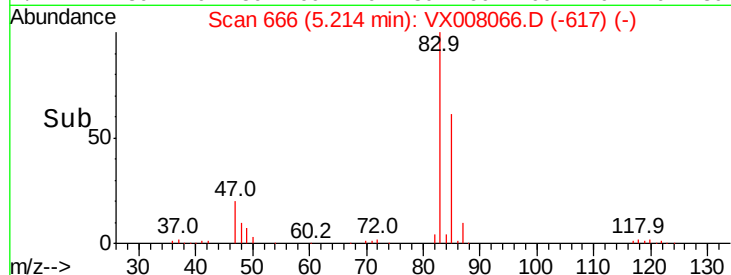


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#31

Cyclohexane

Concen: 155.279 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

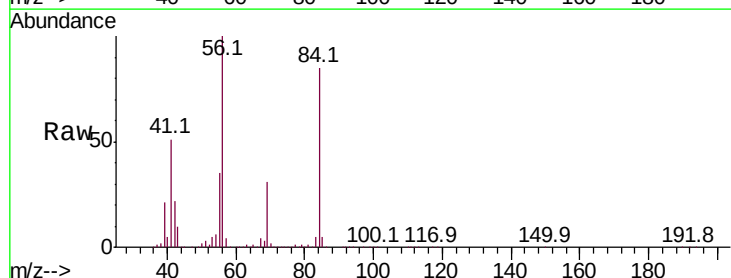
Tgt Ion: 56 Resp: 699542

Ion Ratio Lower Upper

56 100

69 31.1 24.0 36.0

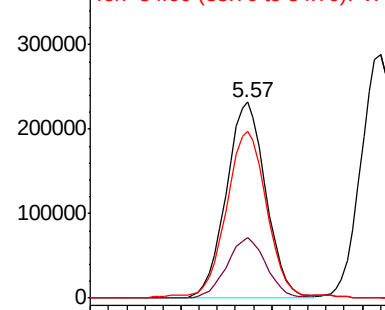
84 84.1 65.3 97.9



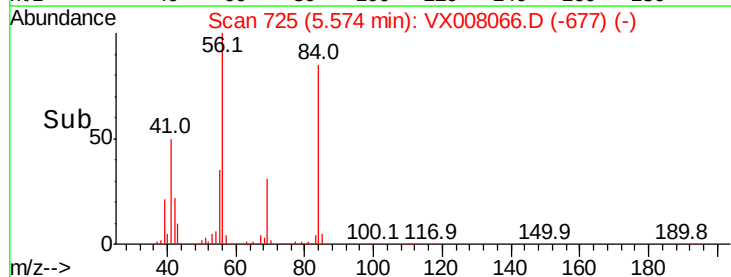
Abundance Ion 56.00 (55.70 to 56.70): VX0

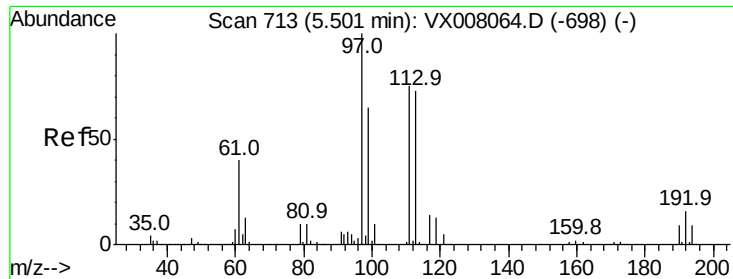
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#32

1,1,1-Trichloroethane

Concen: 153.799 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 97 Resp: 623570

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

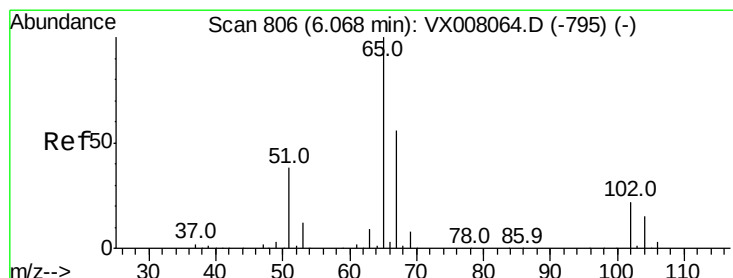
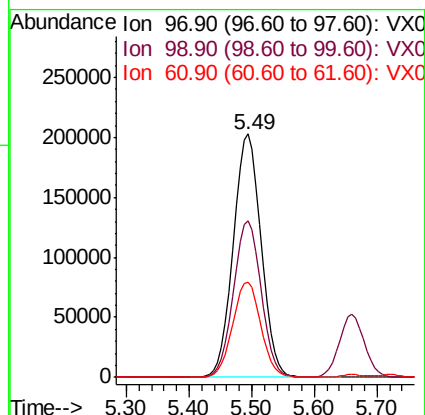
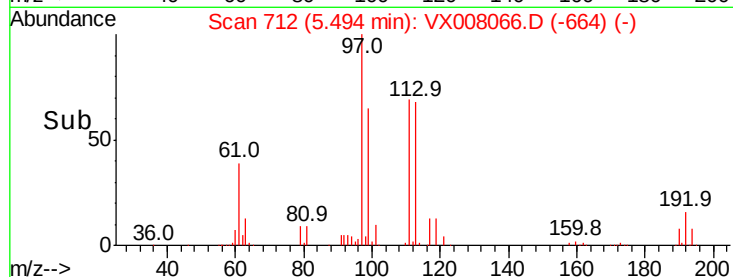
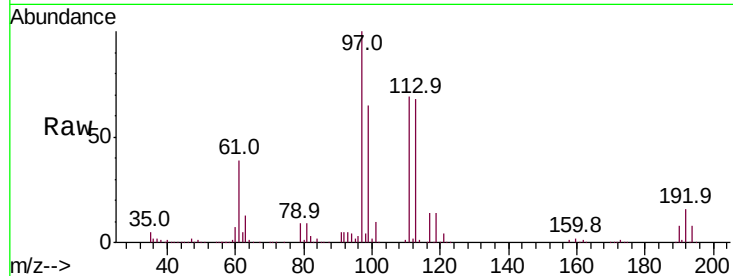
61 39.8 34.9 52.3

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 147.971 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008066.D

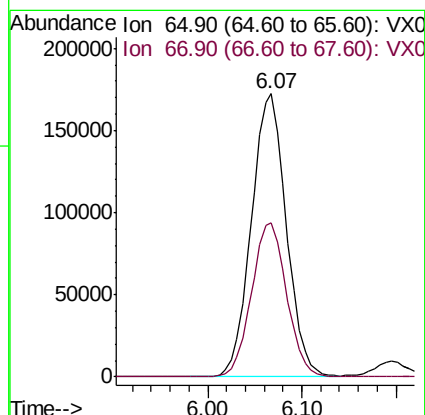
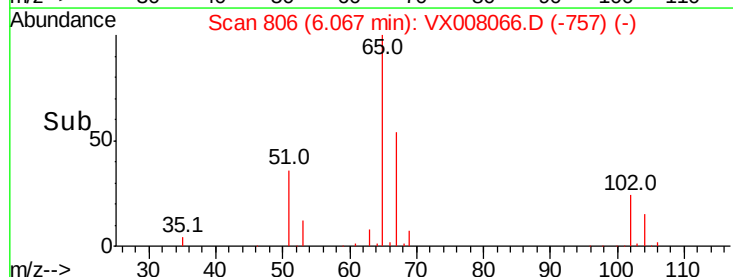
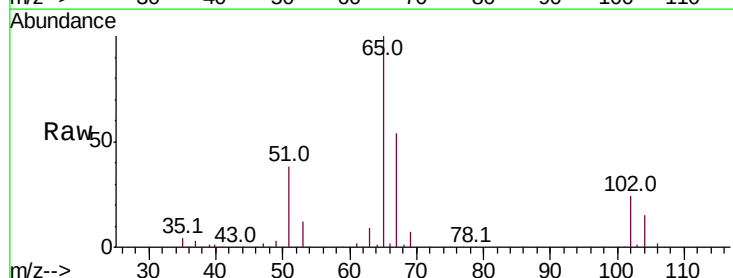
Acq: 14 Mar 2019 12:39

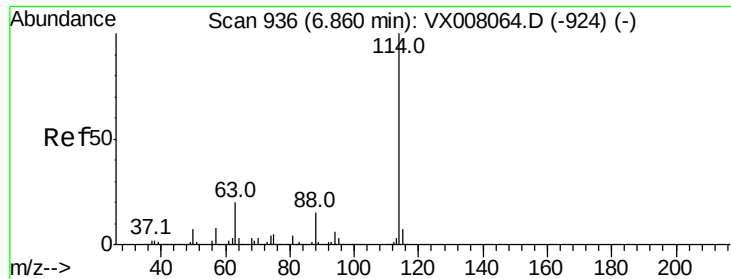
Tgt Ion: 65 Resp: 446386

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

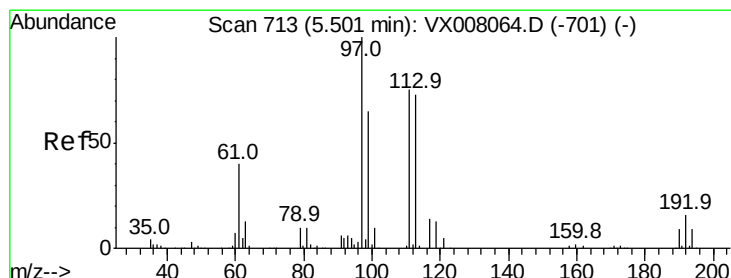
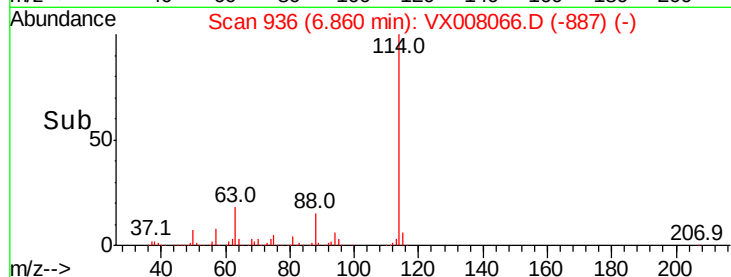
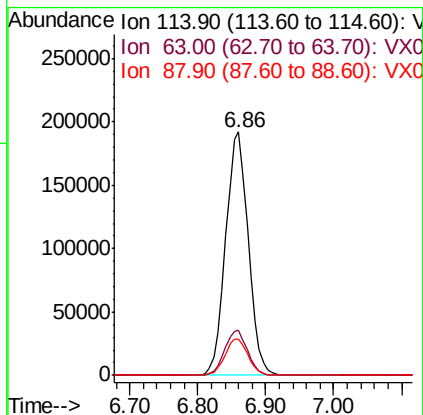
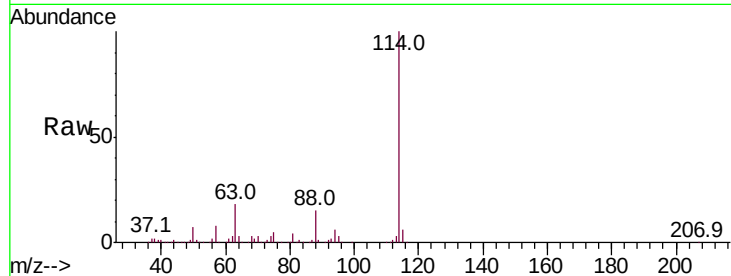
ClientSampleId :

VSTDIC150

Tot Ion:	114	Resp:	442597
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	39.8
88	14.8	0.0	31.4

Manual Integrations
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#35

Dibromofluoromethane

Concen: 153.743 ug/l

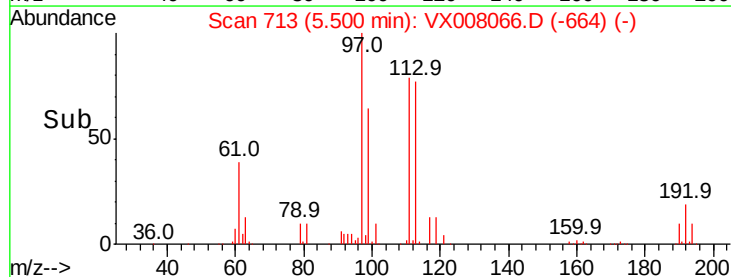
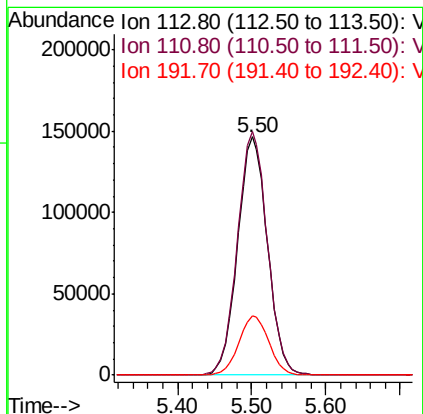
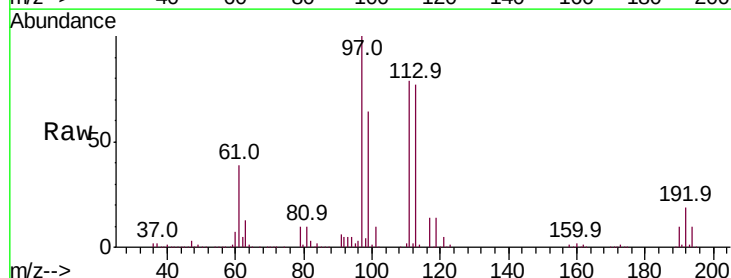
RT: 5.50 min Scan# 713

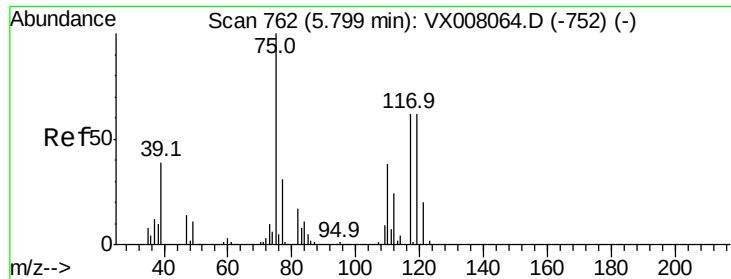
Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Tgt Ion:	113	Resp:	412164
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.4	122.0
192	25.0	19.4	29.0





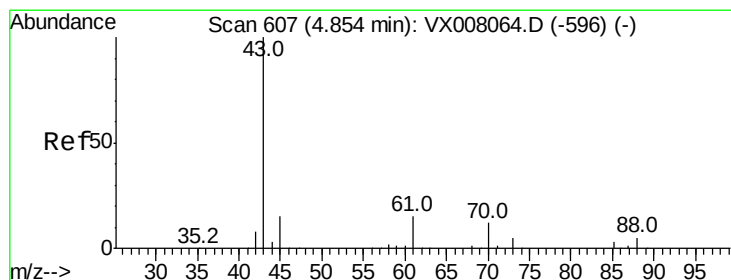
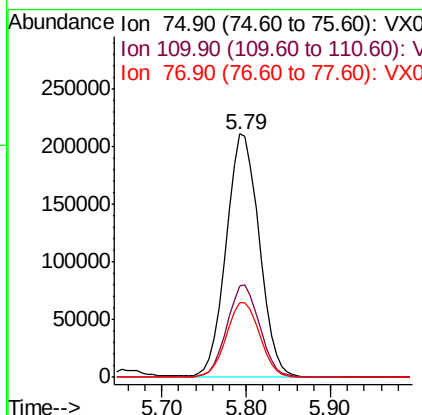
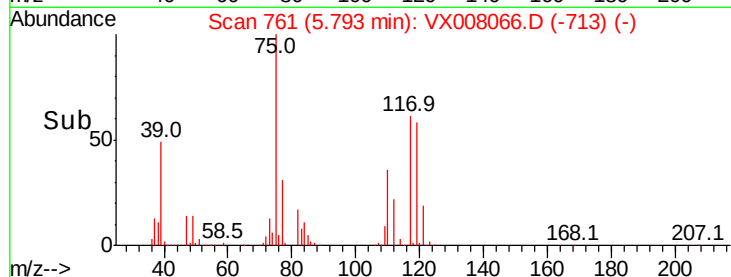
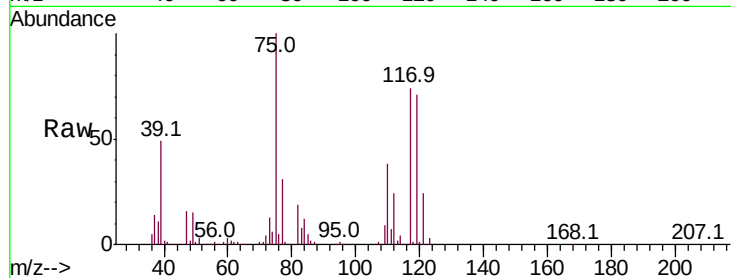
#36
 1,1-Dichloropropene
 Concen: 159.128 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.4	55.0
77	31.2	25.0	37.4

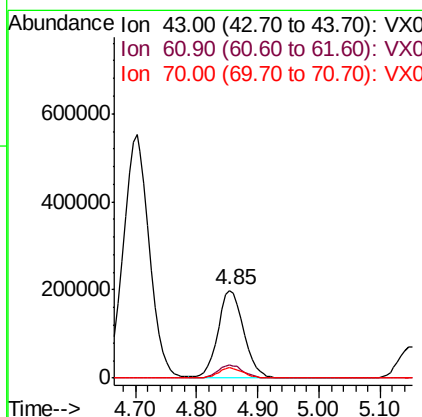
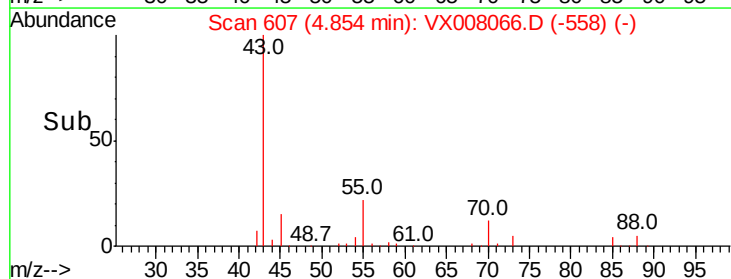
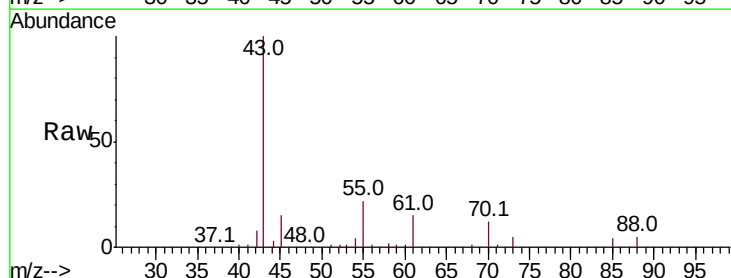
Manual Integrations
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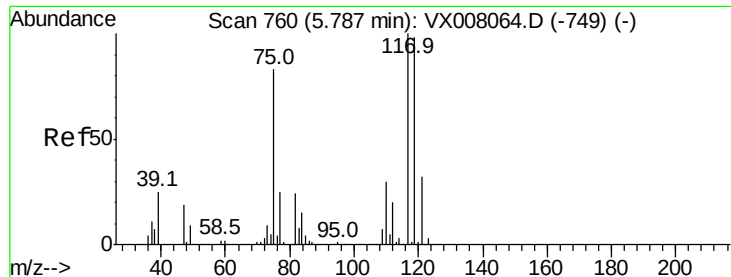
MMDadoda
 3/15/2019 9:07:06 AM



#37
 Ethyl Acetate
 Concen: 148.569 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.3	16.9
70	11.4	8.5	12.7





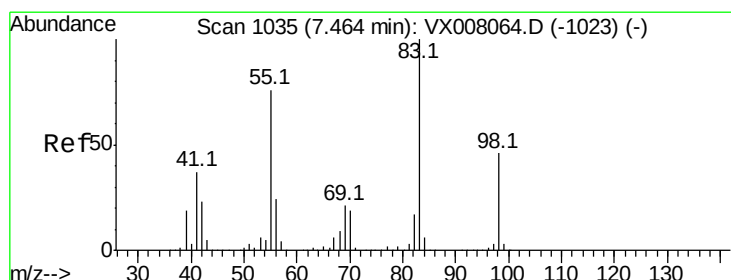
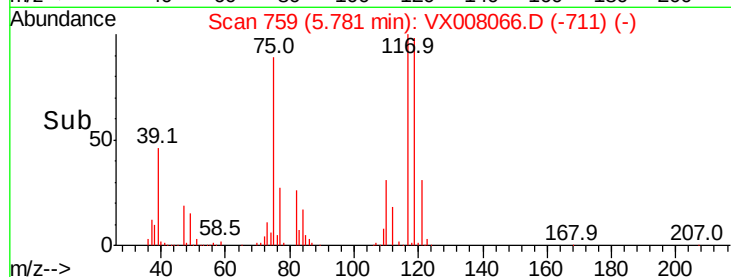
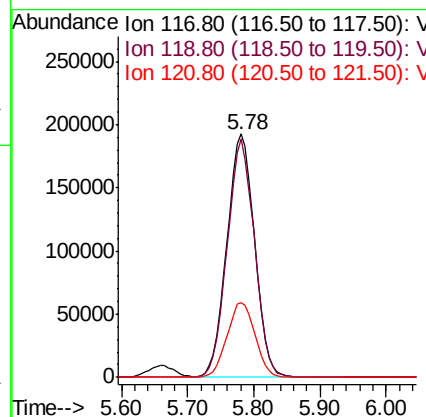
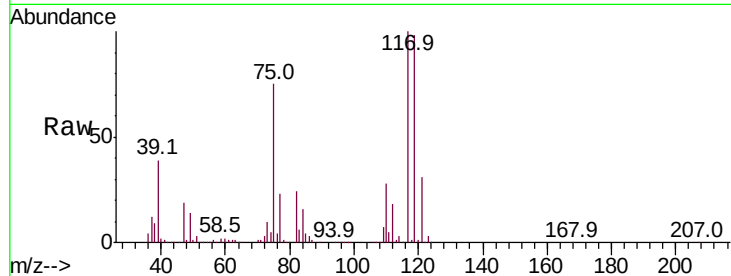
#38
Carbon Tetrachloride
Concen: 160.072 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.8	76.2	114.2	
121	30.9	24.6	36.8	

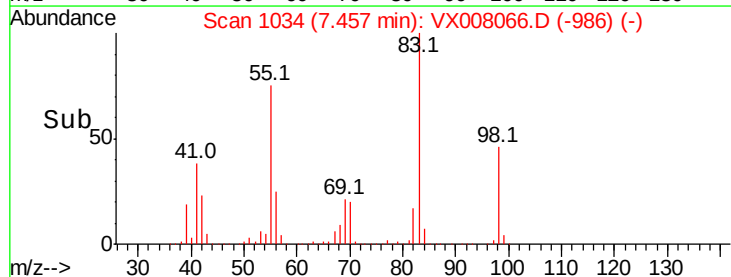
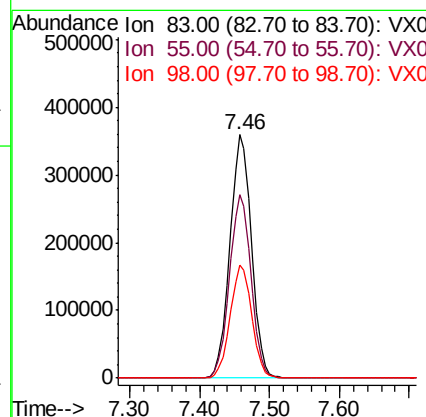
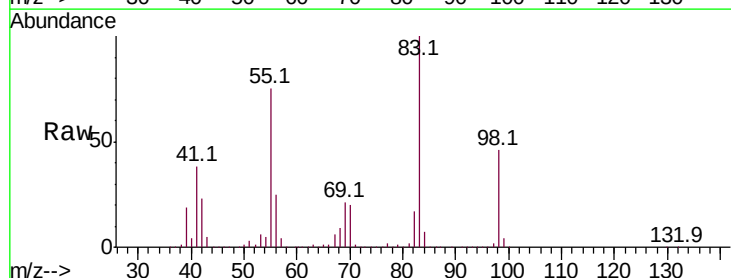
Manual Integrations
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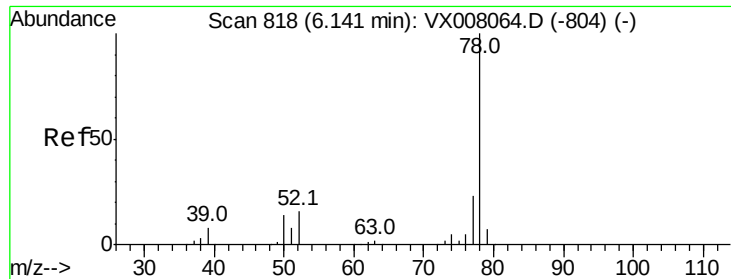
MMDadoda
3/15/2019 9:07:06 AM



#39
Methylcyclohexane
Concen: 166.818 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.3	60.4	90.6	
98	46.3	36.5	54.7	





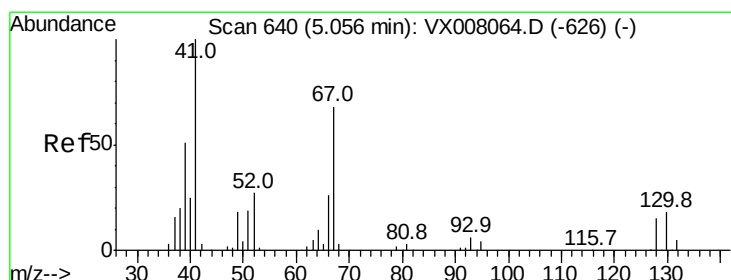
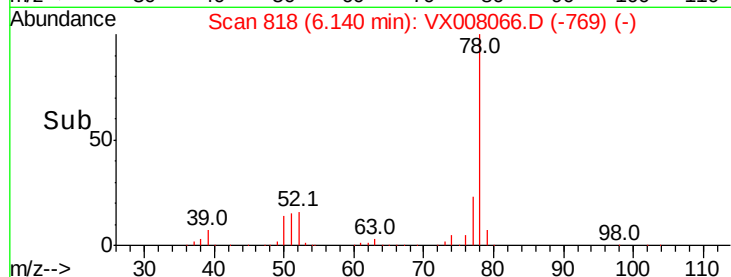
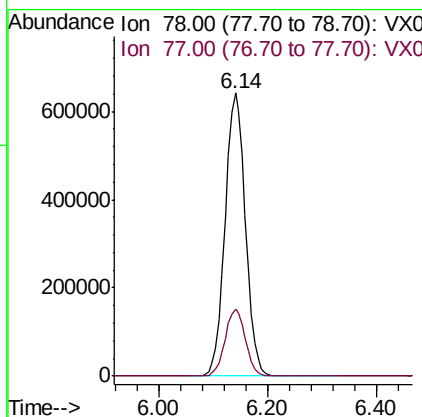
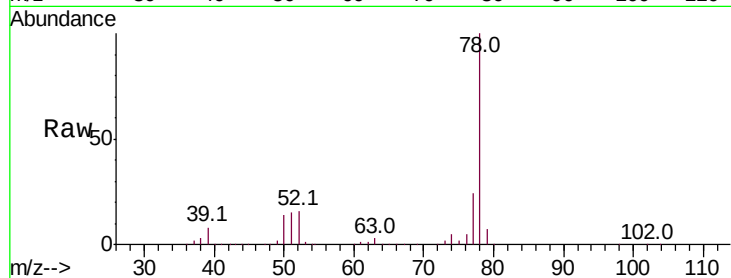
#40
Benzene
Concen: 153.749 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 78 Resp: 1667811
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

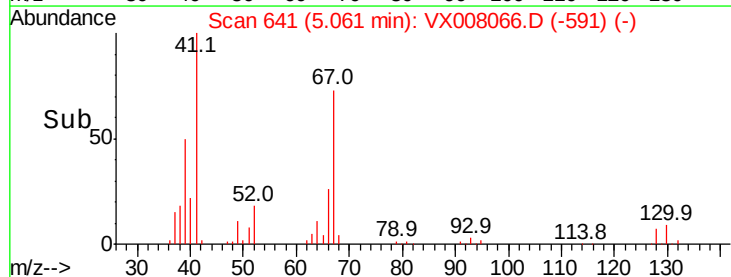
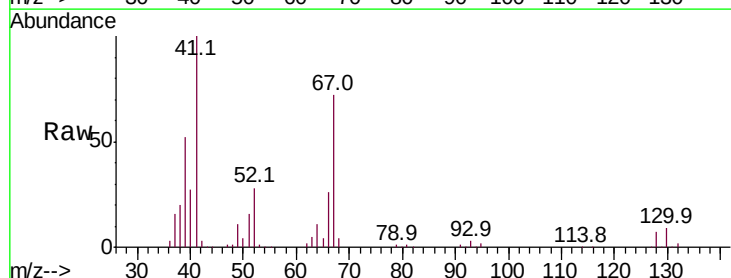
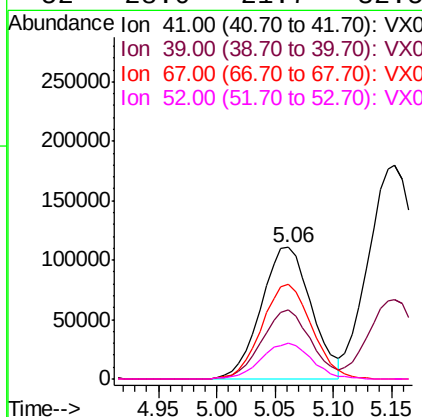
Manual Integrations
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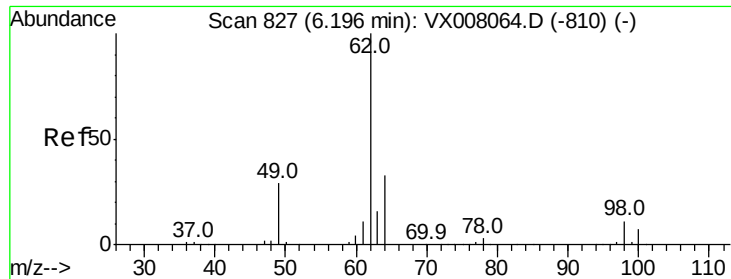
MMDadoda
3/15/2019 9:07:06 AM



#41
Methacrylonitrile
Concen: 148.629 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion: 41 Resp: 331405
Ion Ratio Lower Upper
41 100
39 51.3 41.6 62.4
67 71.8 55.8 83.6
52 28.0 21.7 32.5





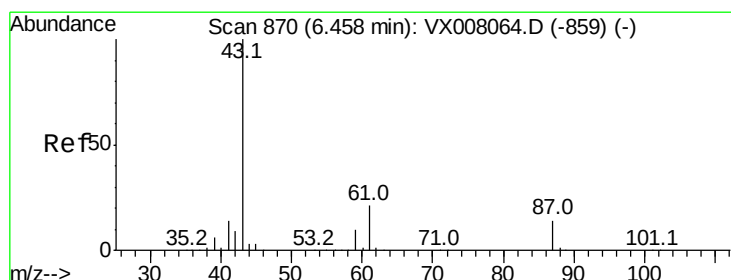
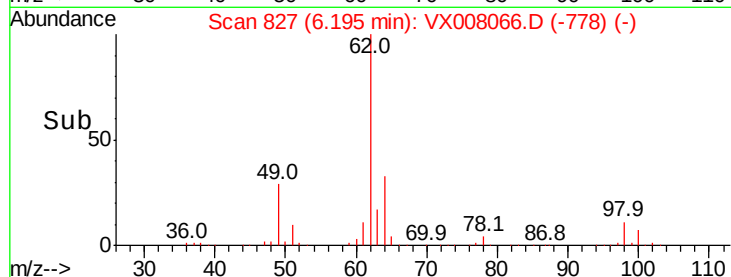
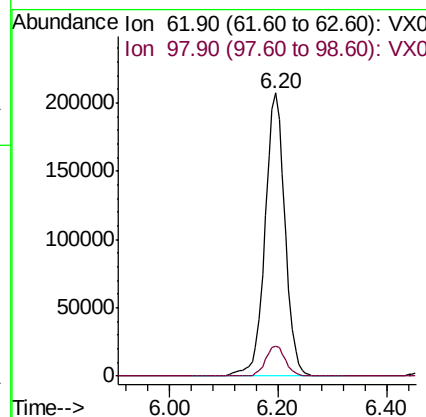
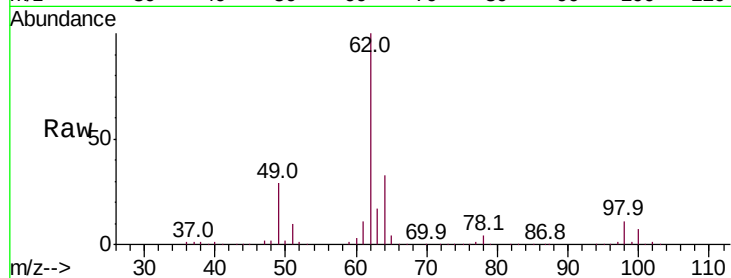
#42
1,2-Dichloroethane
Concen: 151.254 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.5	0.0	20.4	

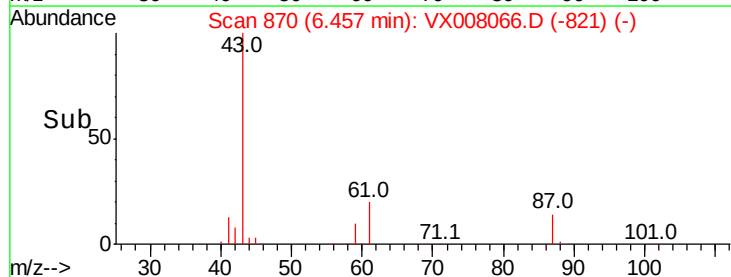
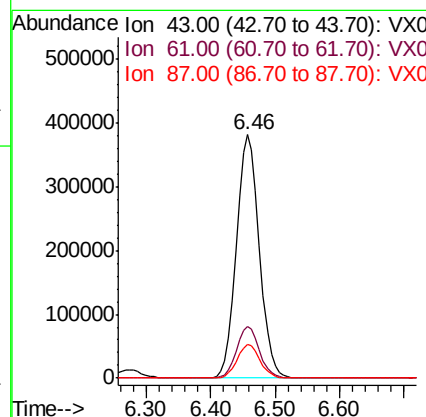
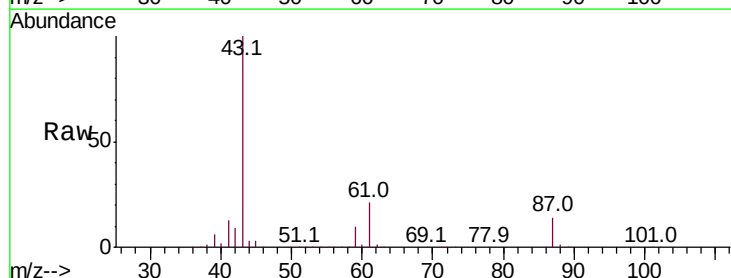
Manual Integrations
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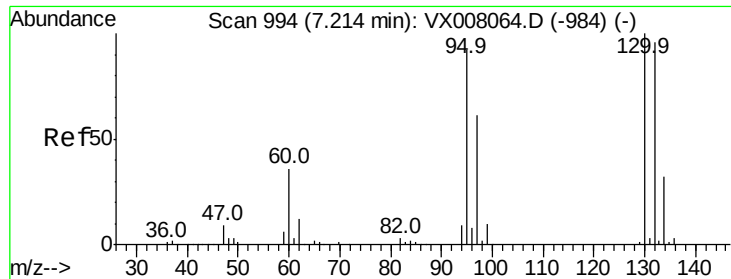
MMDadoda
3/15/2019 9:07:06 AM



#43
Isopropyl Acetate
Concen: 150.259 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	21.2	16.3	24.5	
87	13.9	10.5	15.7	





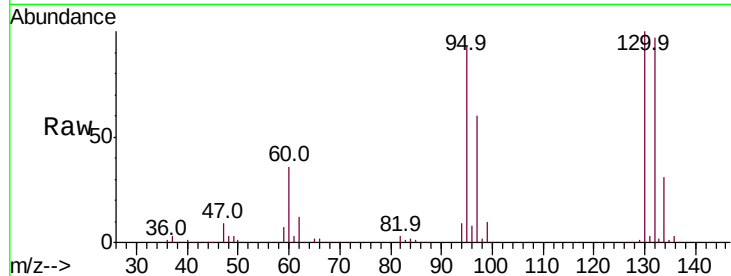
#44
 Trichloroethene
 Concen: 159.213 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

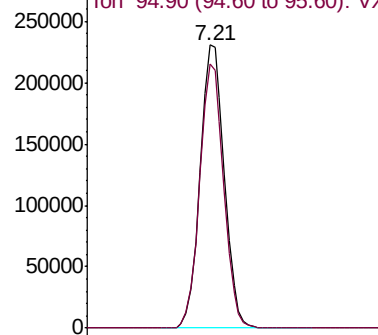
Tot Ion:130 Resp: 491917
 Ion Ratio Lower Upper
 130 100
 95 93.1 0.0 188.0

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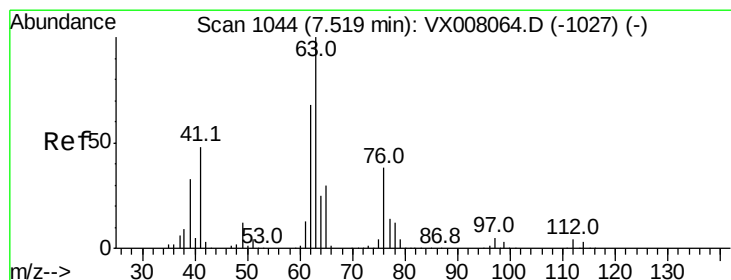
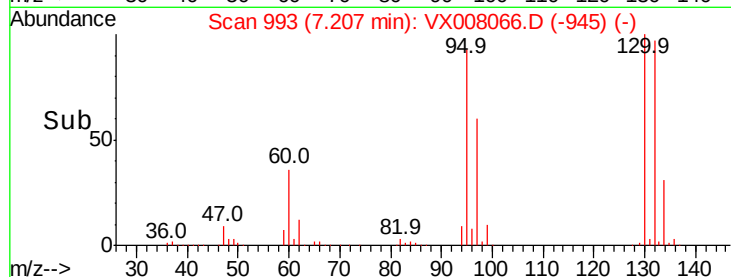
MMDadoda
 3/15/2019 9:07:06 AM



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

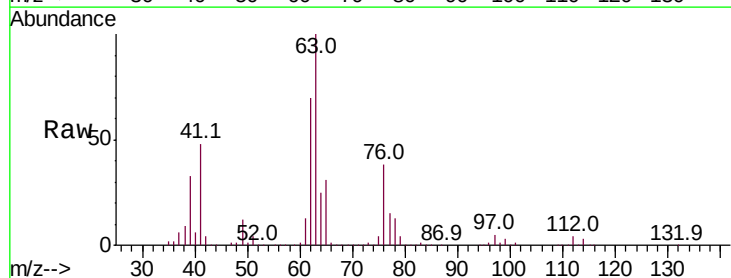


Time-->

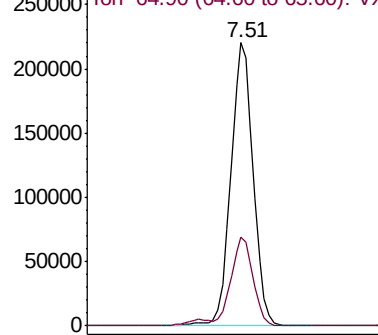


#45
 1,2-Dichloropropane
 Concen: 155.380 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

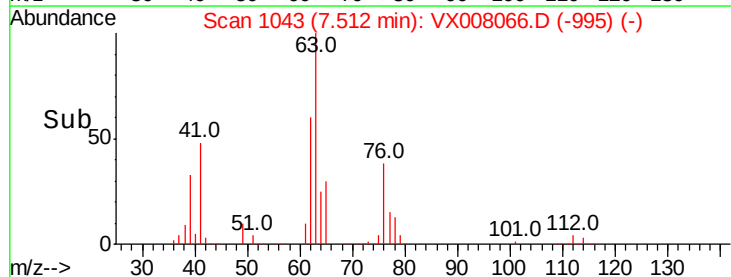
Tgt Ion: 63 Resp: 449329
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

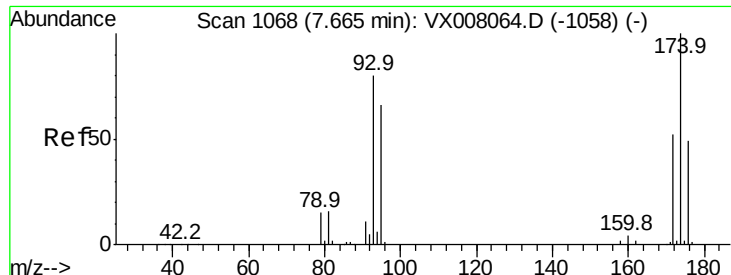


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0



Time-->





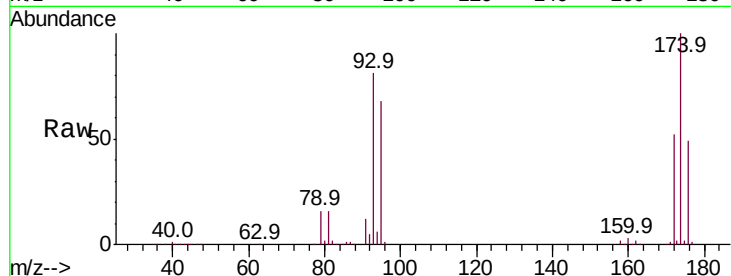
#46
Dibromomethane
Concen: 156.656 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

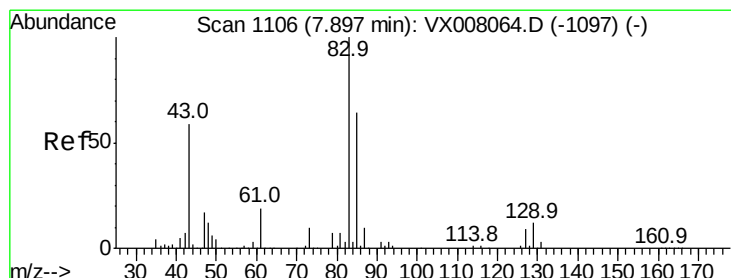
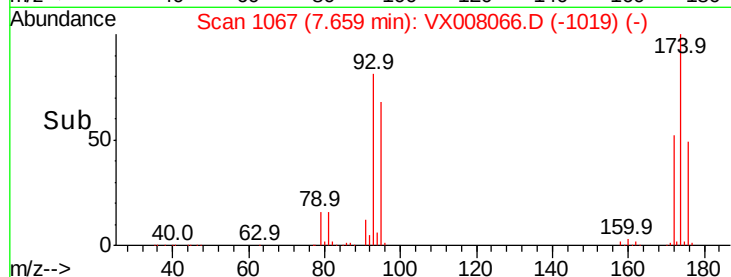
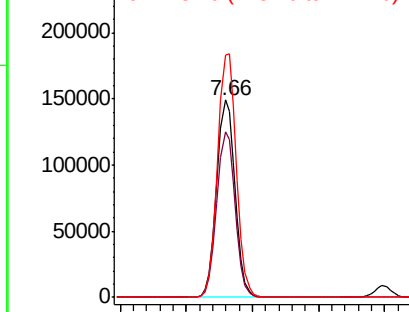
Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	83.6	66.8	100.2	
174	125.3	97.3	145.9	

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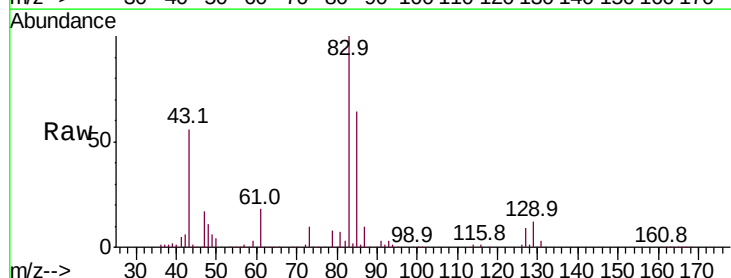


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

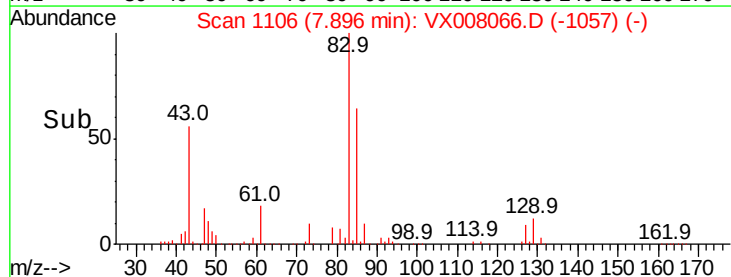
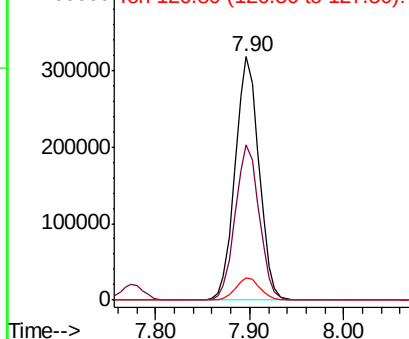


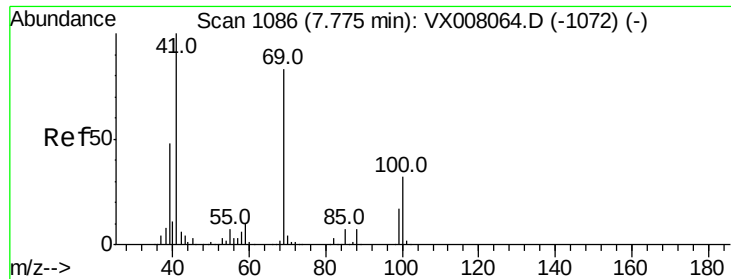
#47
Bromodichloromethane
Concen: 161.055 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	50.9	76.3	
127	9.2	7.4	11.0	



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V





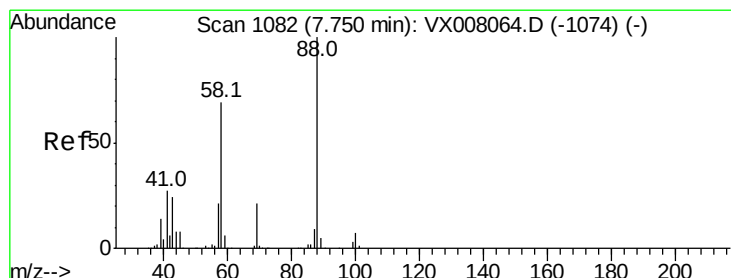
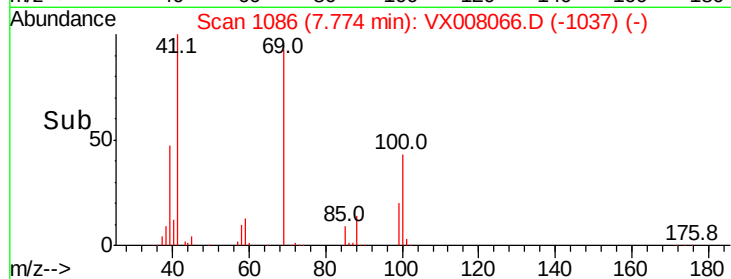
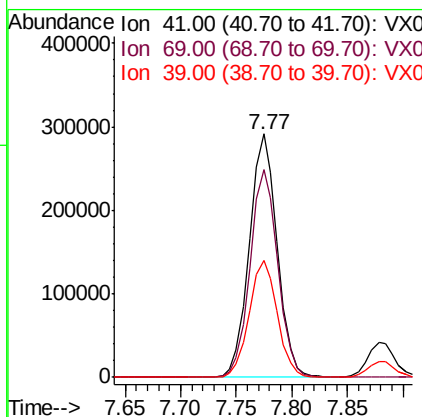
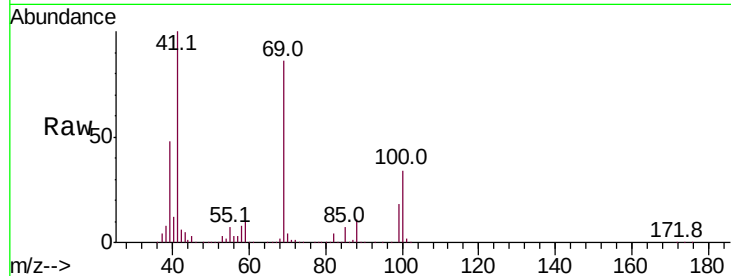
#48
Methvl methacrylate
Concen: 150.951 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100	507897		
69	85.5	65.2	97.8	
39	48.6	39.4	59.2	

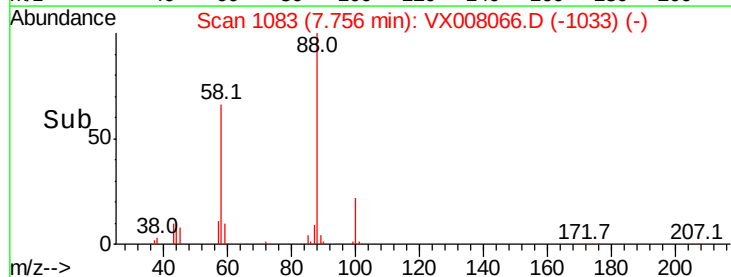
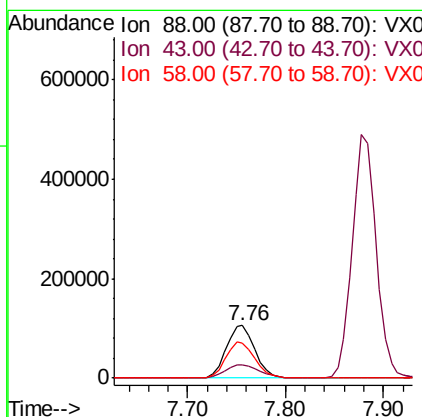
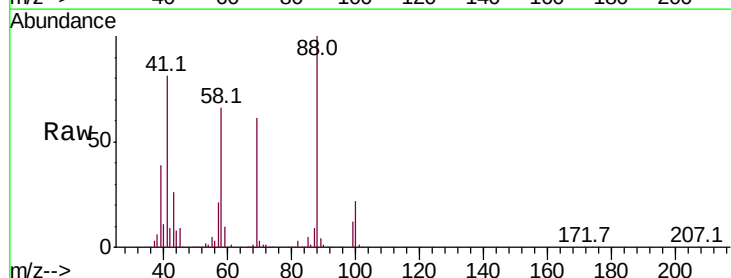
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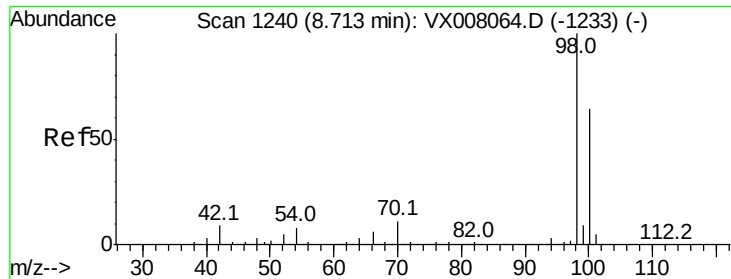
MMDadoda
3/15/2019 9:07:06 AM



#49
1,4-Dioxane
Concen: 3028.620 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	211380		
43	29.7	25.1	37.7	
58	69.9	57.8	86.6	





#50

Toluene-d8

Concen: 154.877 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Tot Ion: 98 Resp: 1600818

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5

Instrument :

MSVOA_X

ClientSampleId :

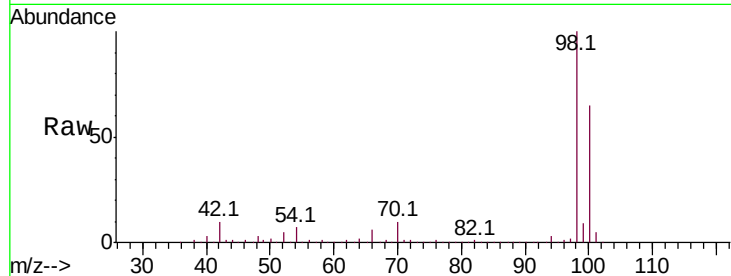
VSTDIC150

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

1200000

1000000

800000

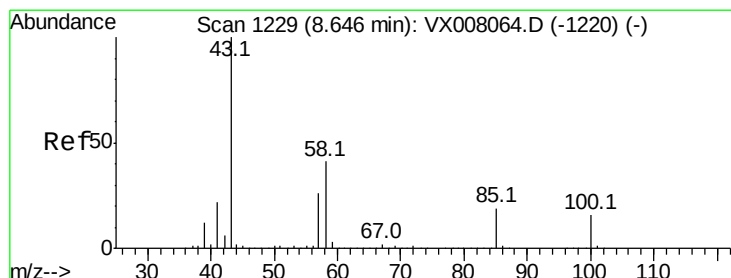
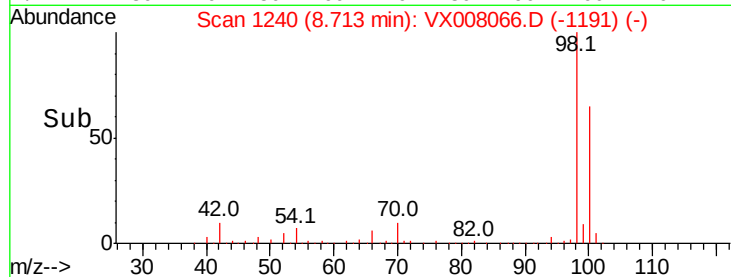
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 731.782 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX008066.D

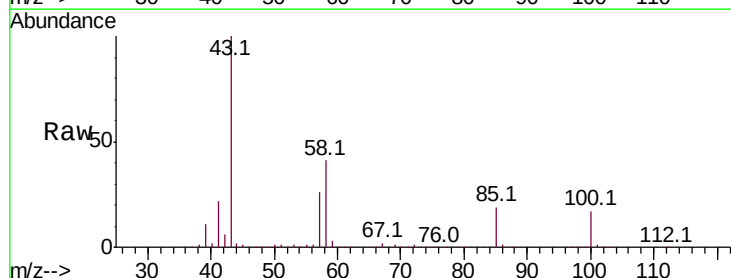
Acq: 14 Mar 2019 12:39

Tgt Ion: 43 Resp: 3018315

Ion Ratio Lower Upper

43 100

58 41.0 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

2000000

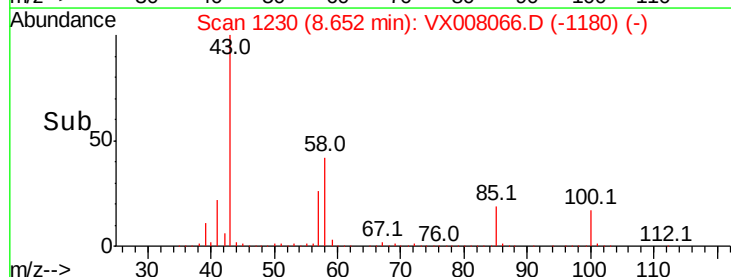
1500000

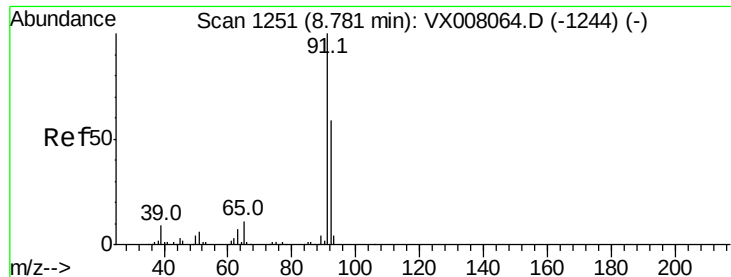
1000000

500000

0

Time-->





#52

Toluene

Concen: 155.009 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 92 Resp: 1077686

Ion Ratio Lower Upper

92 100

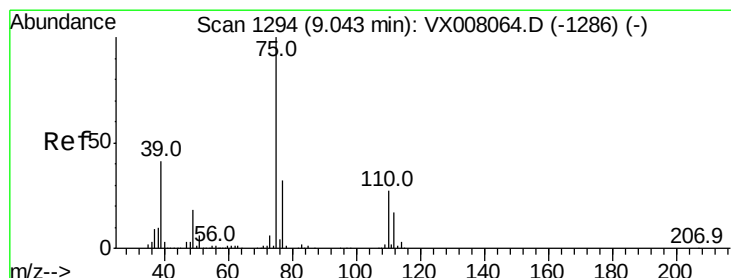
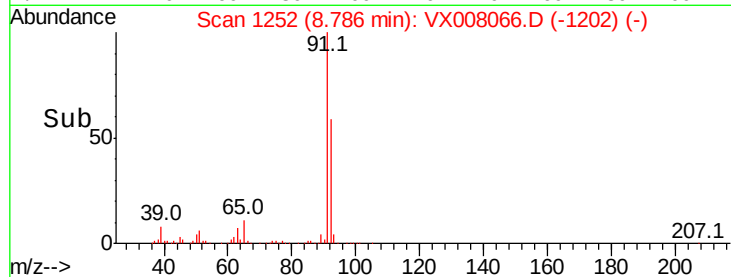
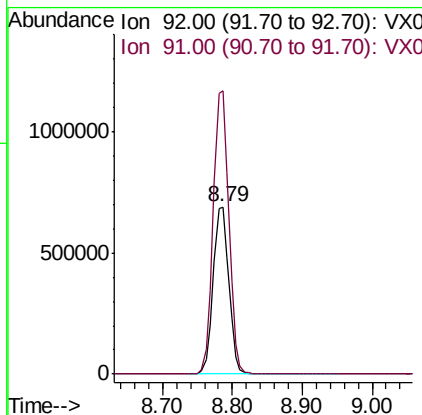
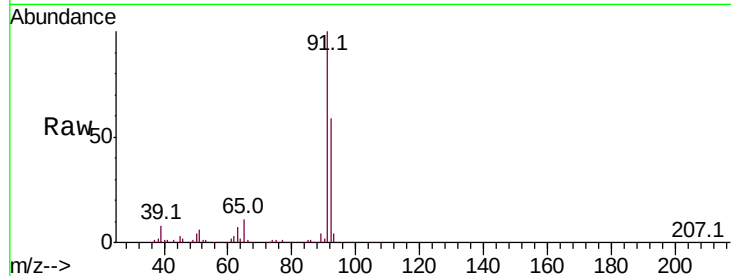
91 169.5 137.4 206.0

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 165.023 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008066.D

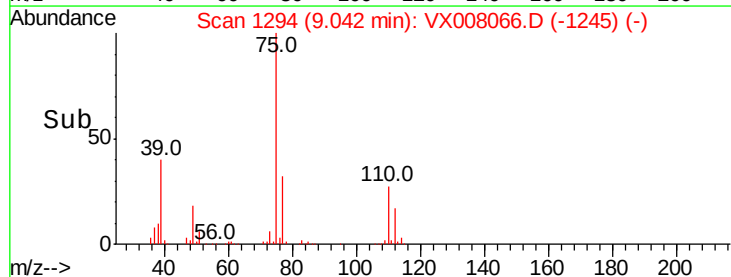
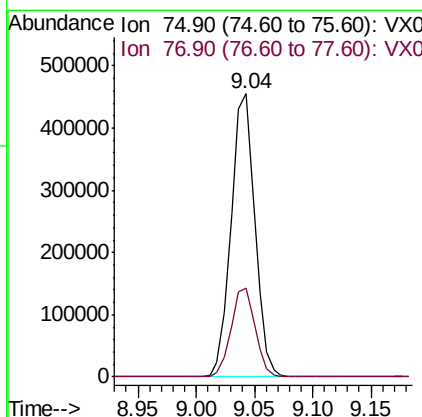
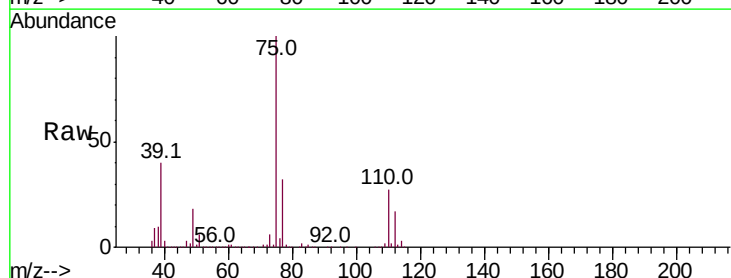
Acq: 14 Mar 2019 12:39

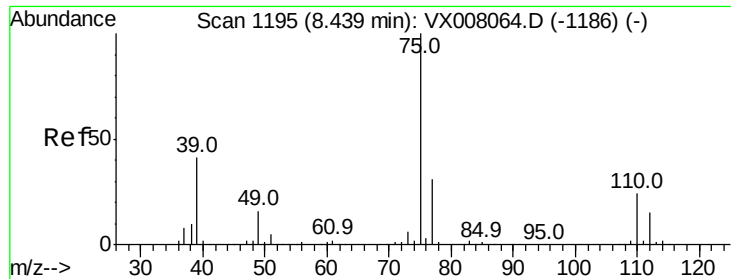
Tgt Ion: 75 Resp: 652610

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0





#54

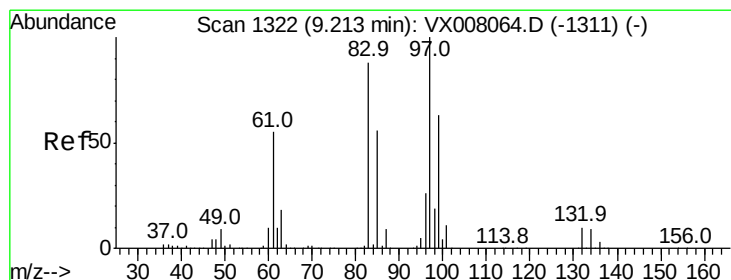
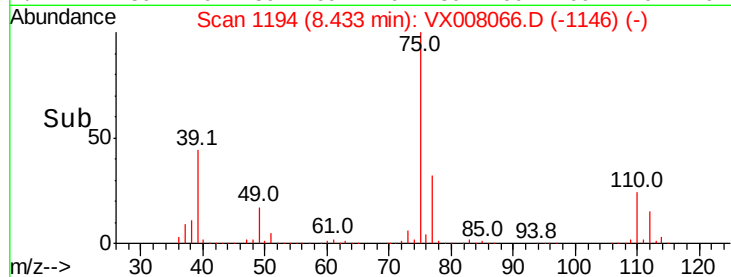
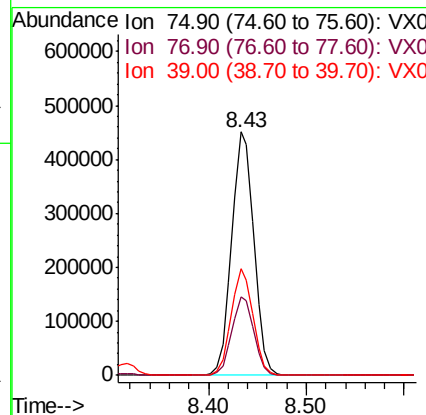
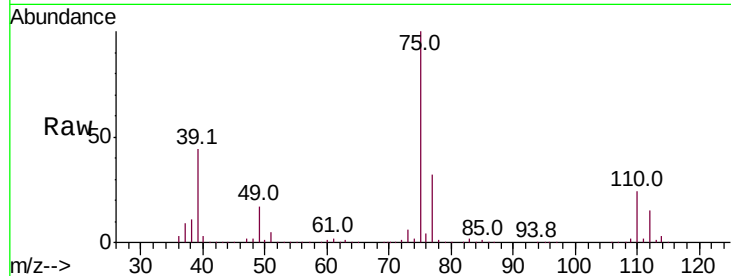
cis-1,3-Dichloropropene
Concen: 161.478 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.6
39	43.6	36.6	54.8

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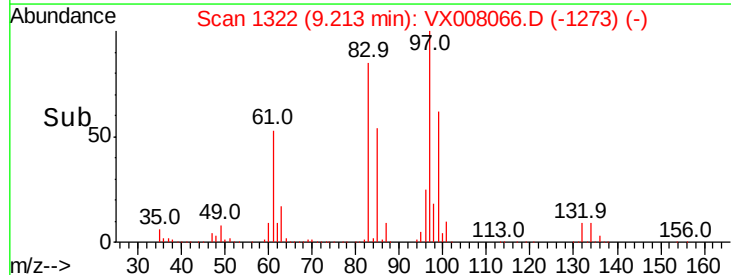
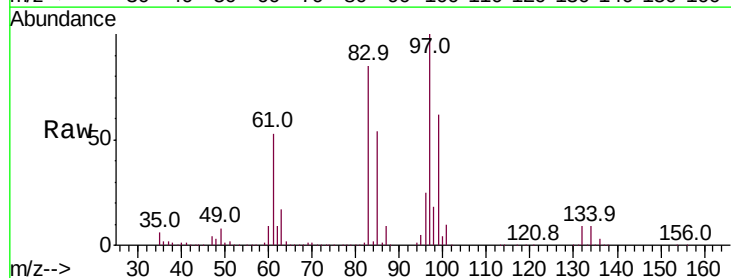
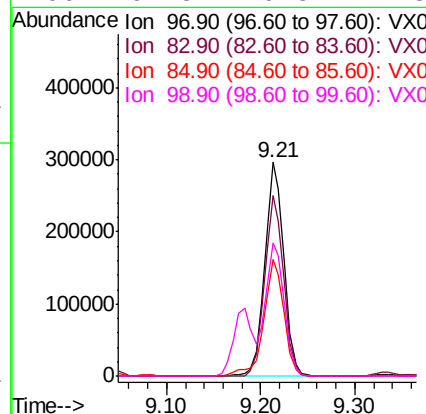
MMDadoda
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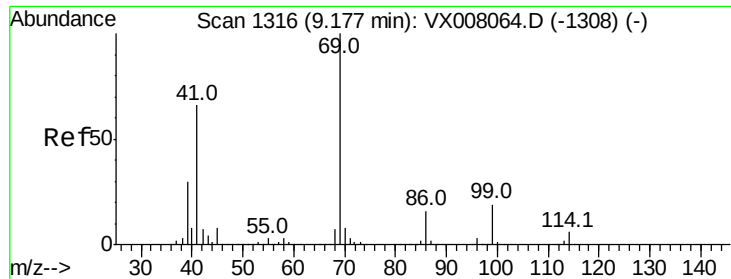


#55

1,1,2-Trichloroethane
Concen: 151.064 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.1	103.7
85	54.3	44.3	66.5
99	62.3	49.8	74.8





#56

Ethyl methacrylate

Concen: 155.388 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

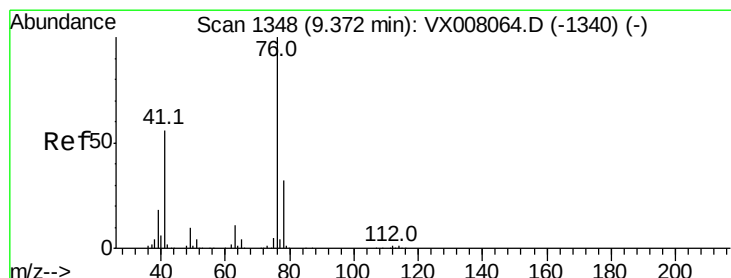
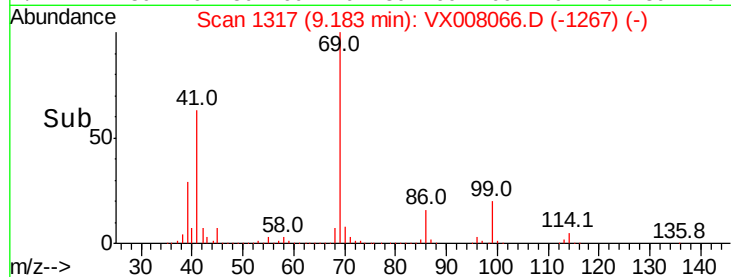
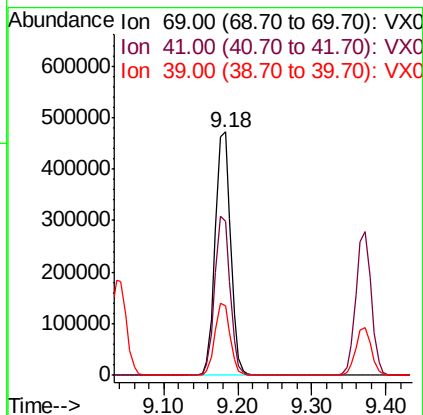
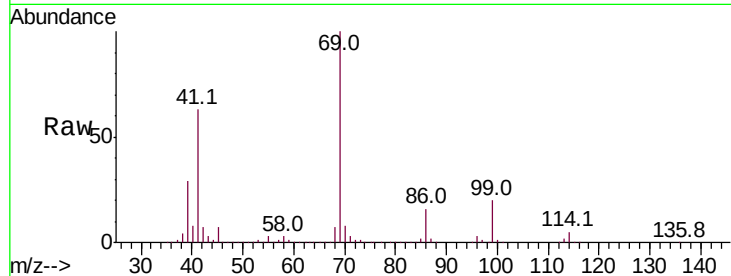
ClientSampled :

VSTDIC150

Tot Ion:	69	Resp:	669181
Ion Ratio	Lower	Upper	
69	100		
41	64.9	54.2	81.4
39	29.4	25.0	37.4

Manual Integrations
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3/15/2019 9:07:06 AM



#57

1,3-Dichloropropane

Concen: 151.341 ug/l

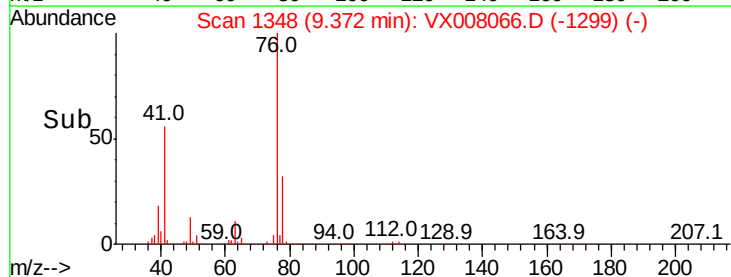
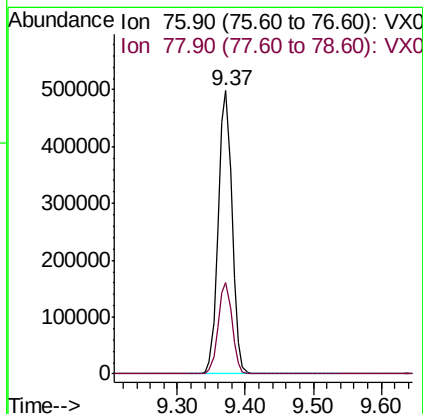
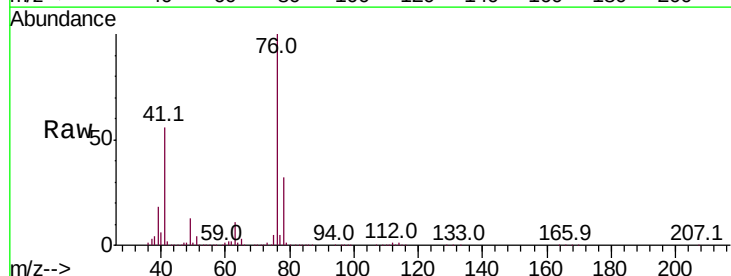
RT: 9.37 min Scan# 1348

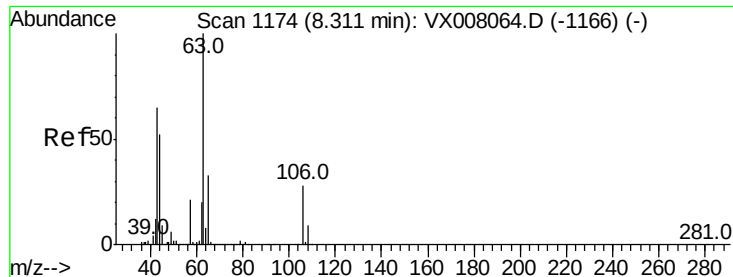
Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Tgt Ion:	76	Resp:	699616
Ion Ratio	Lower	Upper	
76	100		
78	32.3	25.5	38.3





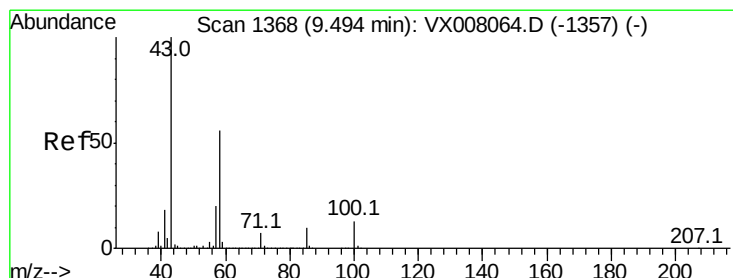
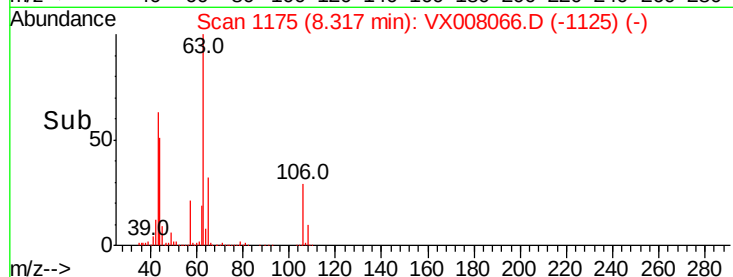
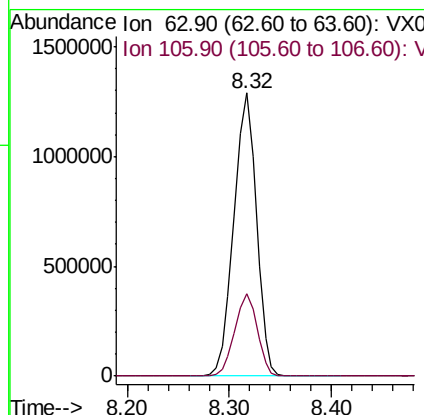
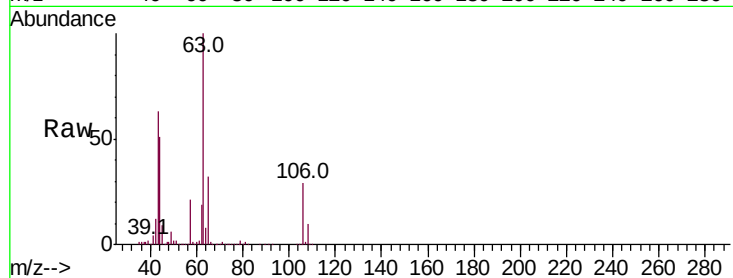
#58
 2-Chloroethyl Vinyl ether
 Concen: 783.577 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1968832
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.2 33.2

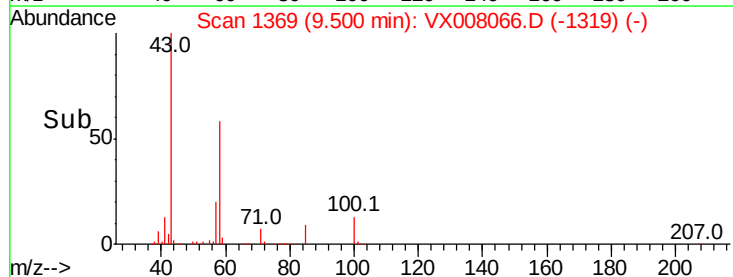
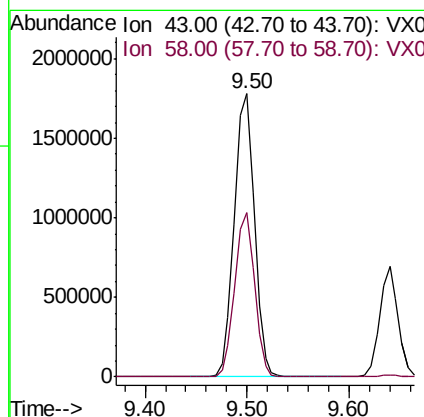
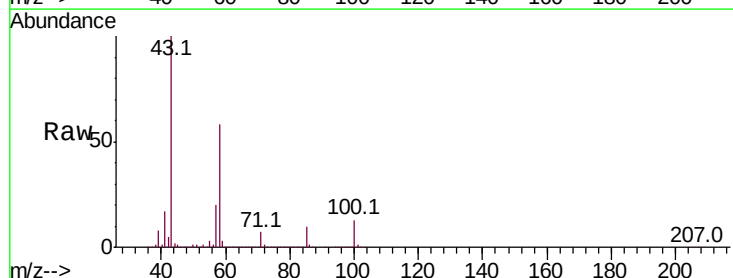
Manual Integrations
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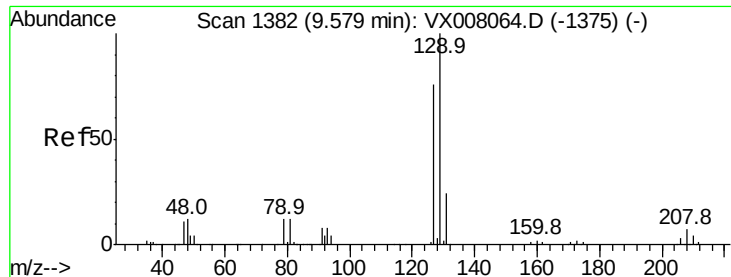
MMDadoda
 3/15/2019 9:07:06 AM



#59
 2-Hexanone
 Concen: 765.773 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Tgt Ion: 43 Resp: 2429713
 Ion Ratio Lower Upper
 43 100
 58 57.1 27.6 82.7





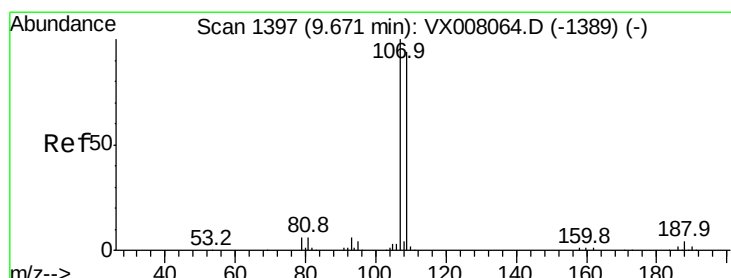
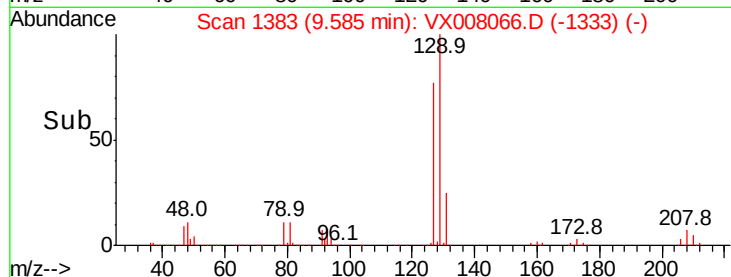
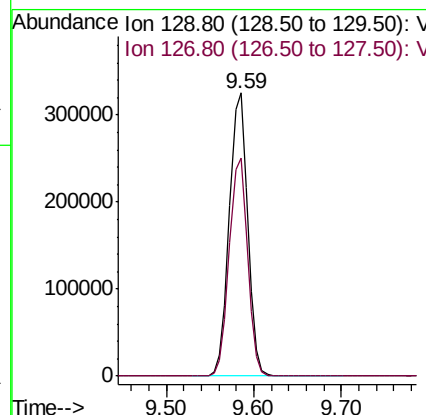
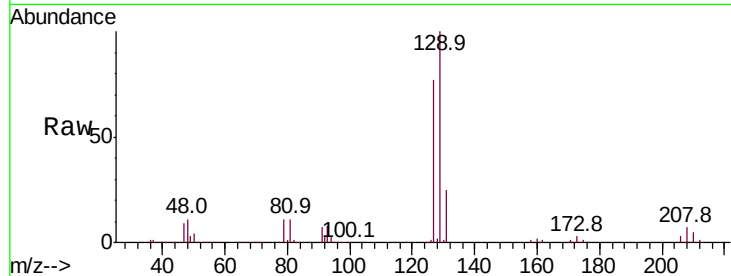
#60
Dibromochloromethane
Concen: 157.411 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:129 Resp: 473913
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8

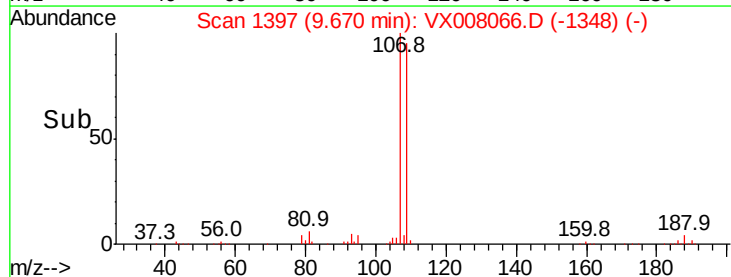
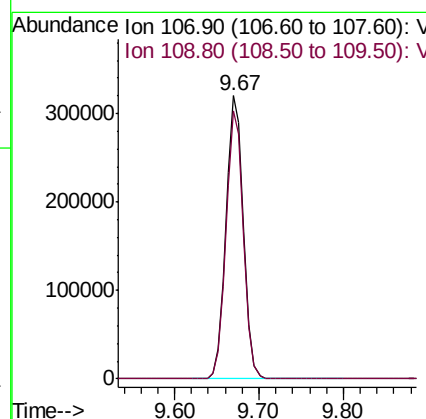
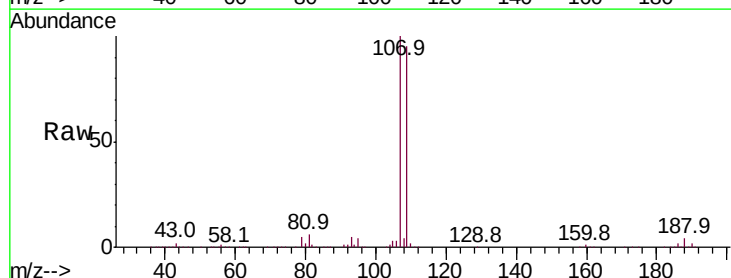
Manual Integrations
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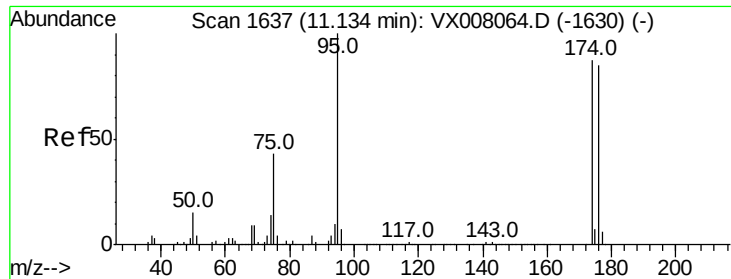
MMDadoda
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#61
1,2-Dibromoethane
Concen: 150.343 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion:107 Resp: 456178
Ion Ratio Lower Upper
107 100
109 94.5 75.8 113.8





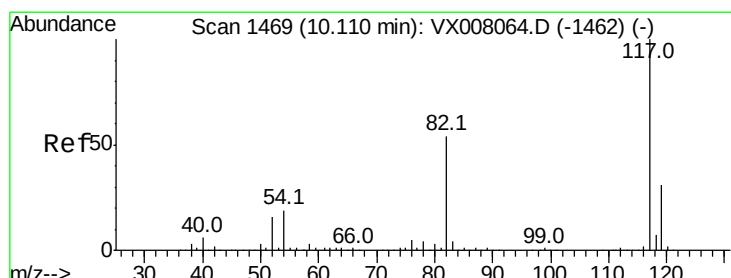
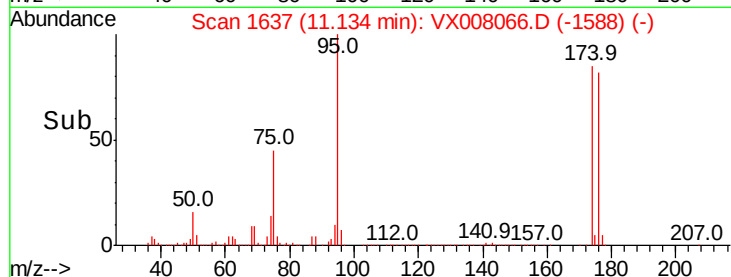
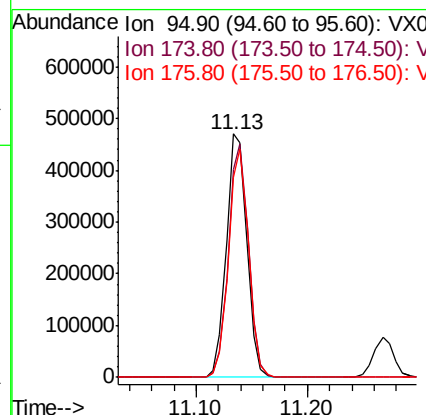
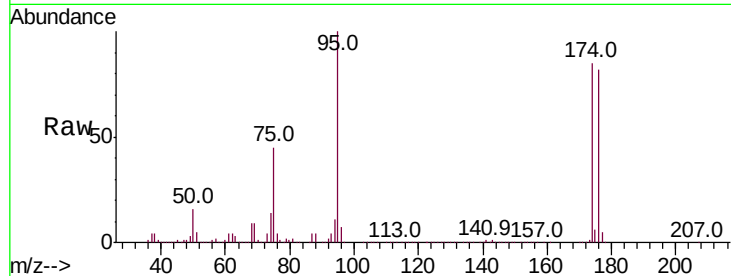
#62
4-Bromofluorobenzene
Concen: 161.446 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
95	100	600598		
174	93.6	0.0	182.8	
176	91.2	0.0	178.0	

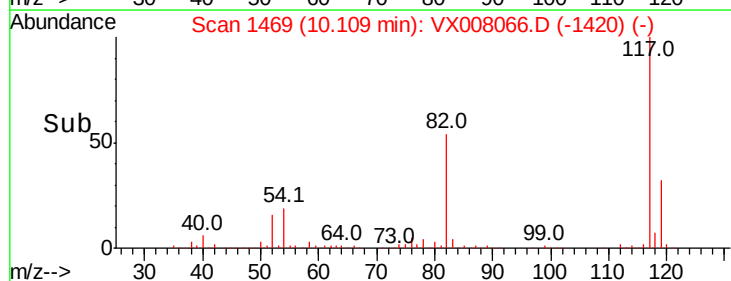
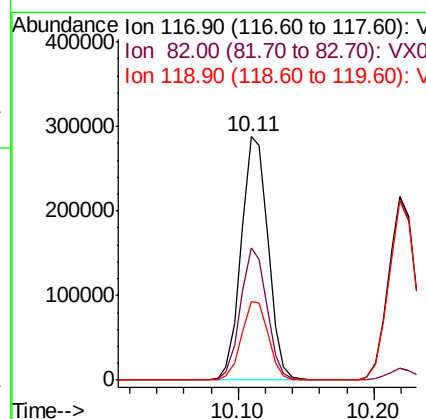
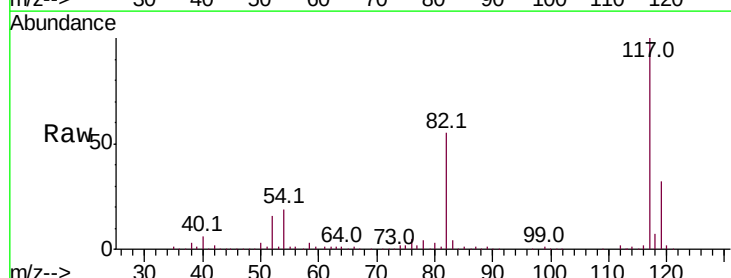
Manual Integrations
APPROVED

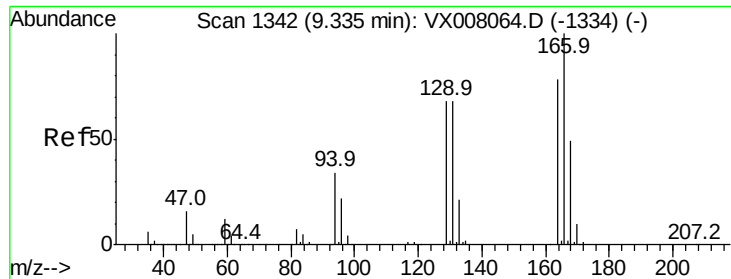
MMDadoda
3/15/2019 9:07:06 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	397822		
82	54.5	44.3	66.5	
119	32.2	25.3	37.9	





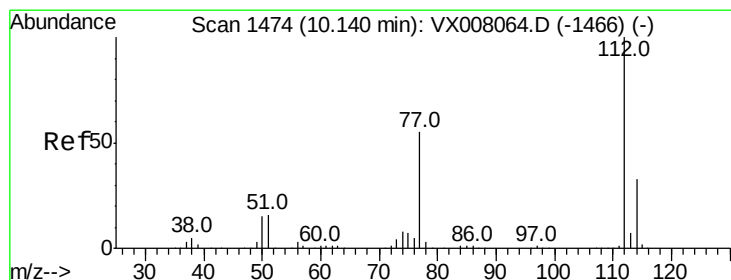
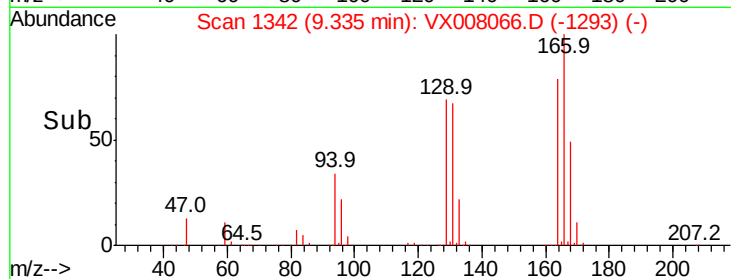
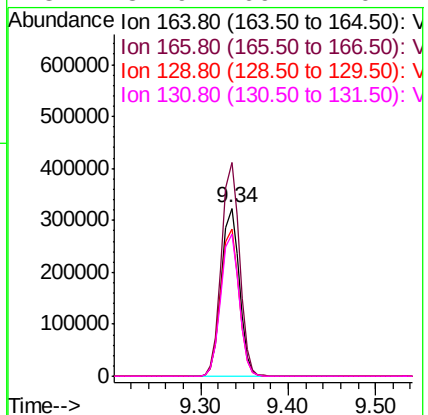
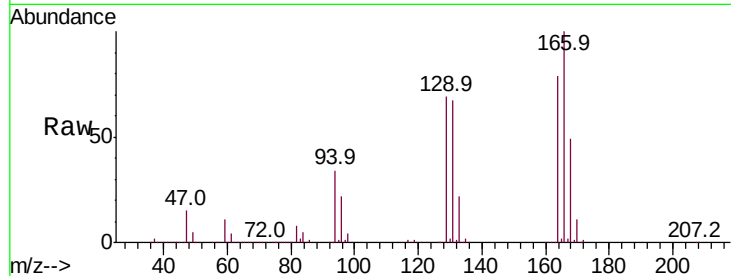
#64
Tetrachloroethene
Concen: 147.686 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.4	155.0
129	87.7	72.2	108.4
131	84.9	69.4	104.2

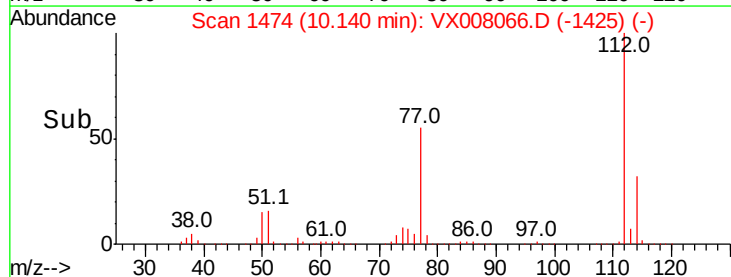
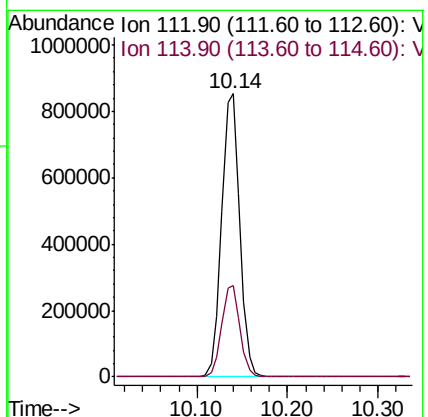
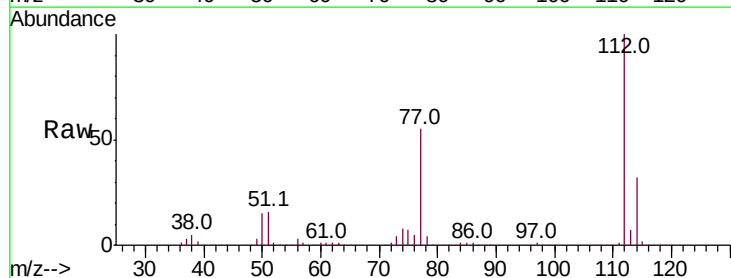
Manual Integrations
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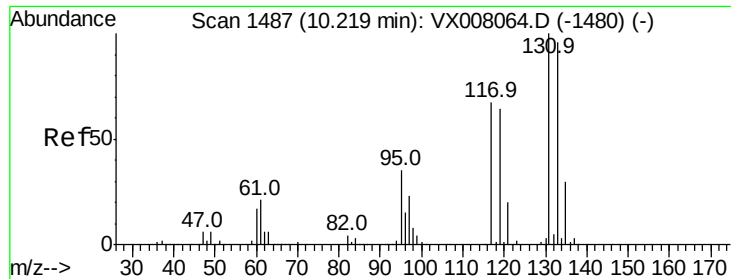
MMDadoda
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#65
Chlorobenzene
Concen: 156.353 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0





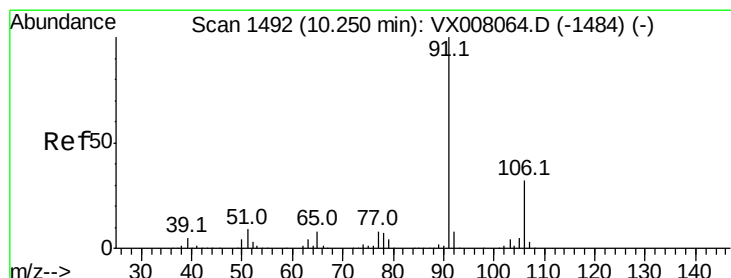
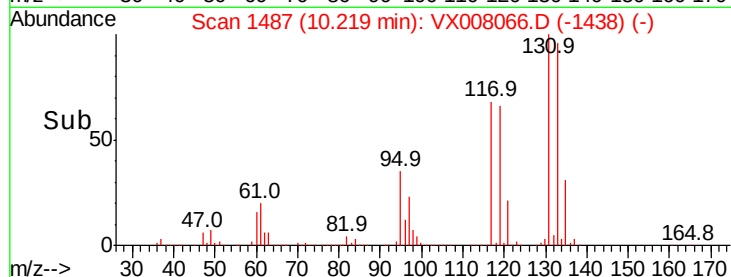
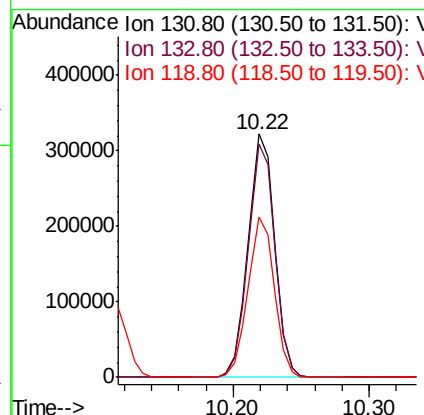
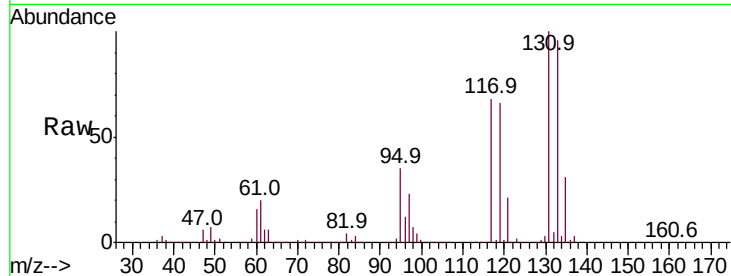
#66
 1,1,1,2-Tetrachloroethane
 Concen: 155.288 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.8	143.3
119	65.6	32.5	97.5

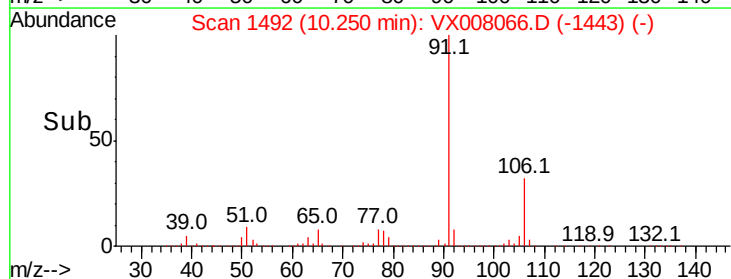
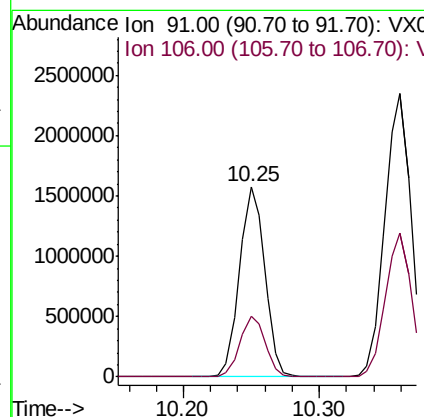
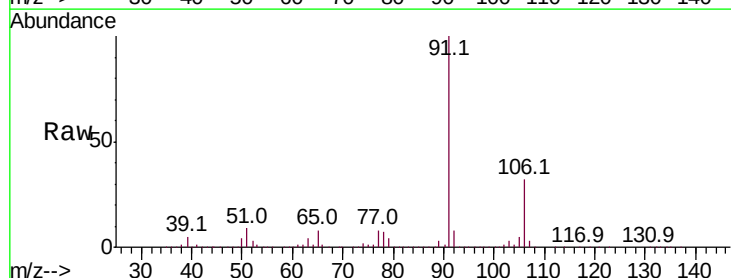
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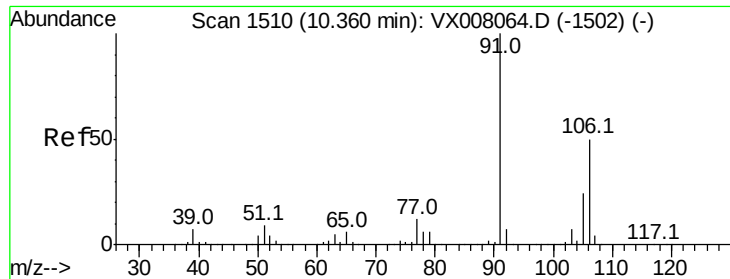
MMDadoda
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#67
 Ethyl Benzene
 Concen: 157.433 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.2	37.8





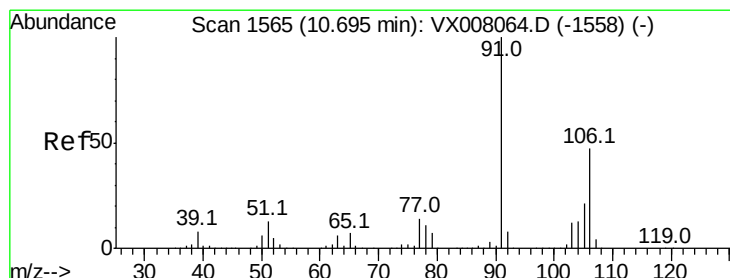
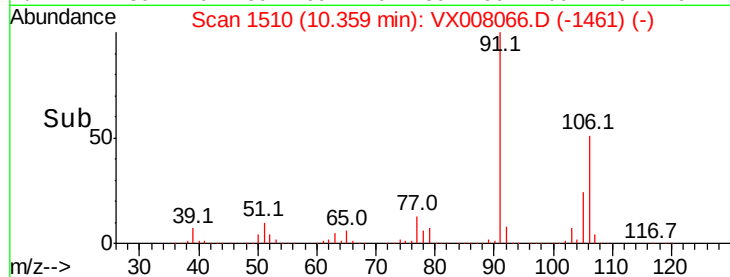
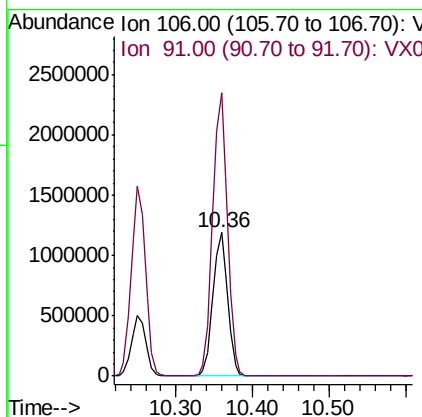
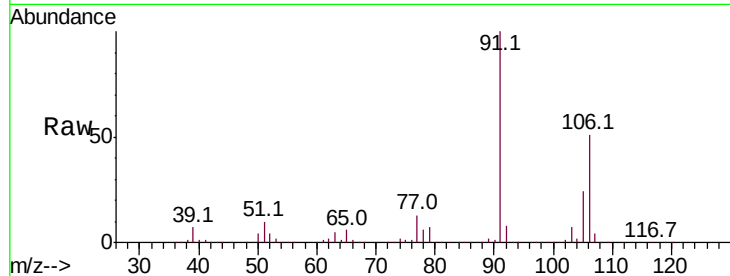
#68
m/p-Xylenes
Concen: 316.268 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1584043
Ion Ratio Lower Upper
106 100
91 198.9 159.8 239.6

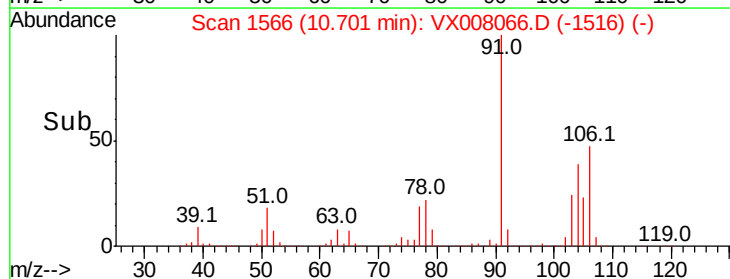
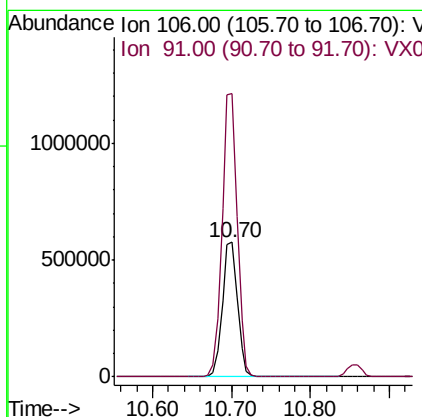
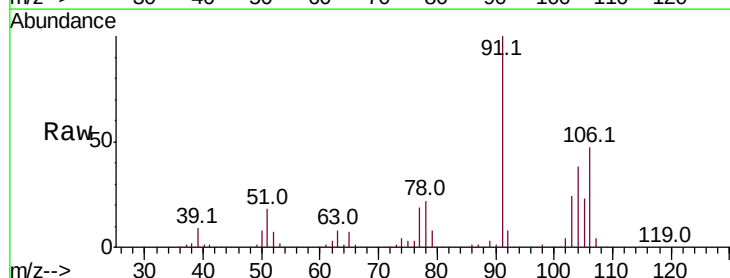
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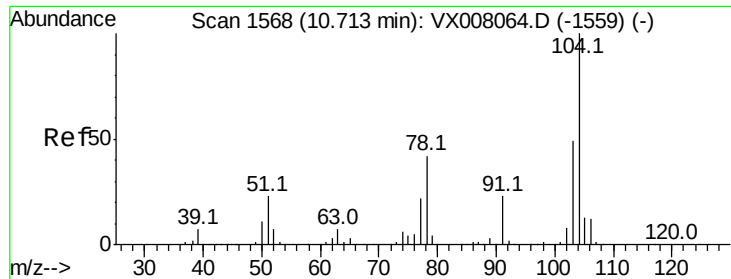
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#69
o-Xylene
Concen: 157.878 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion:106 Resp: 768304
Ion Ratio Lower Upper
106 100
91 211.0 106.3 318.9





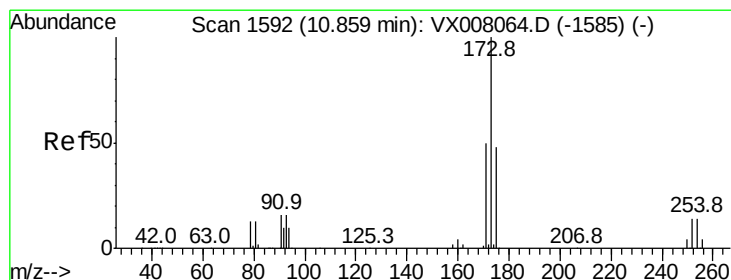
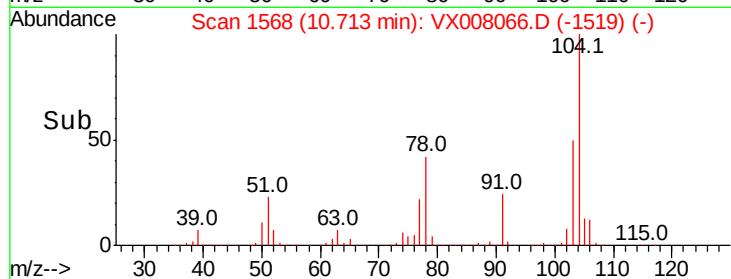
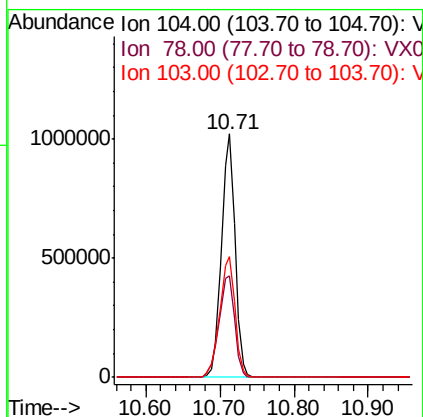
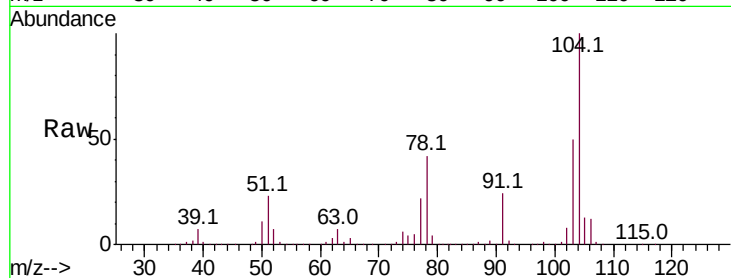
#70
Stvrene
Concen: 160.812 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.5	57.7
103	55.2	44.1	66.1

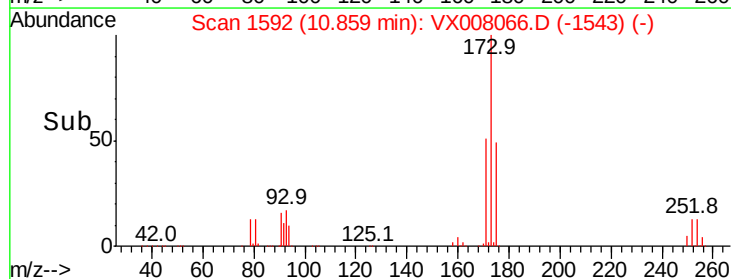
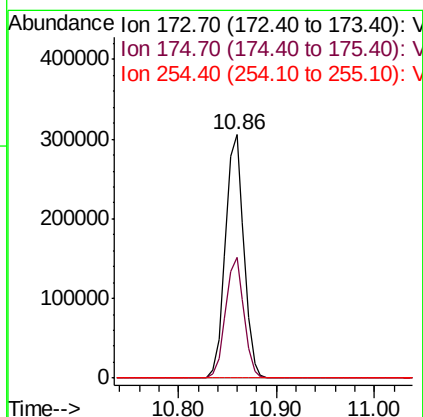
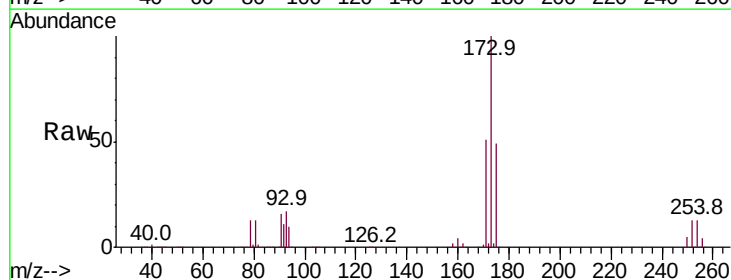
Manual Integrations
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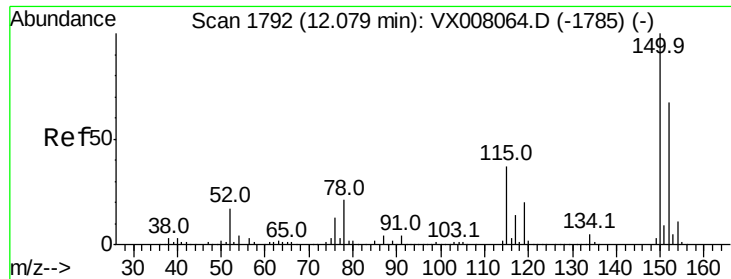
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#71
Bromoform
Concen: 167.150 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:152 Resp: 221519

Ion Ratio Lower Upper

152 100

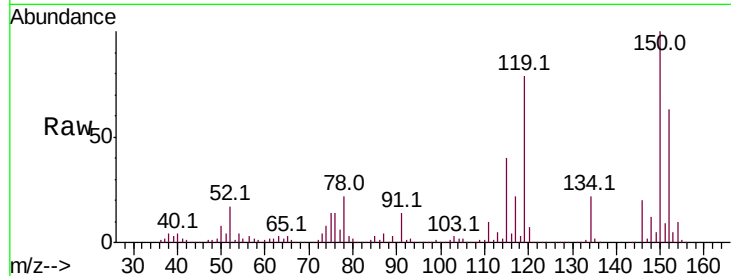
115 117.0 38.6 115.7#

150 204.7 0.0 348.4

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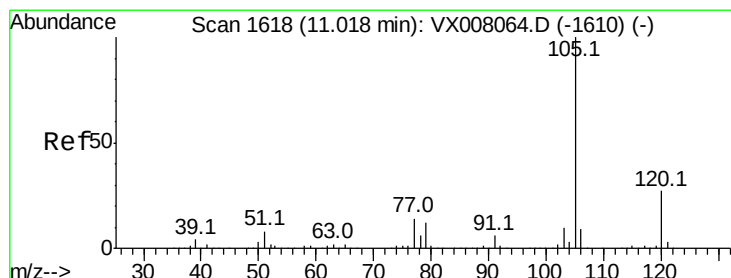
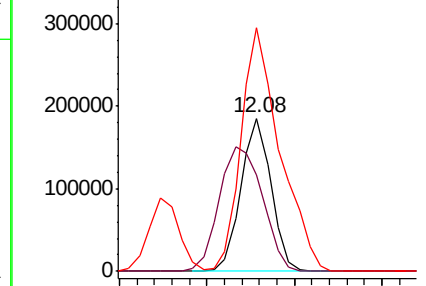
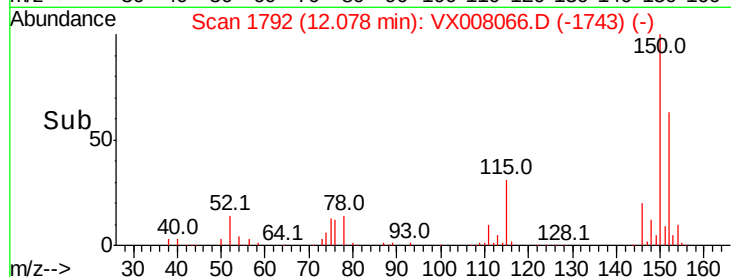
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 145.963 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008066.D

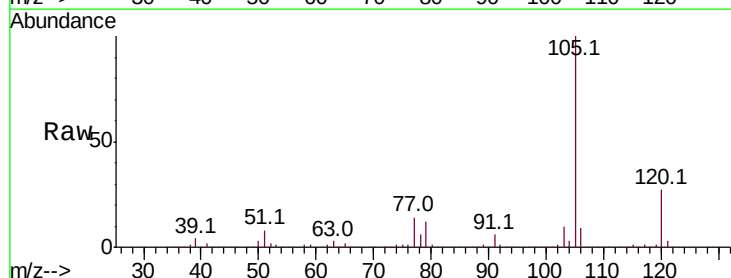
Acq: 14 Mar 2019 12:39

Tgt Ion:105 Resp: 2064606

Ion Ratio Lower Upper

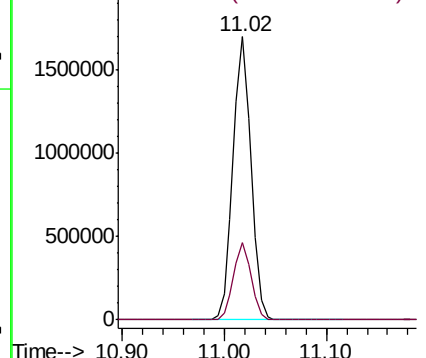
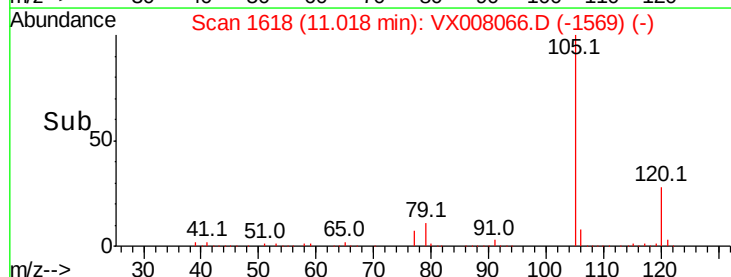
105 100

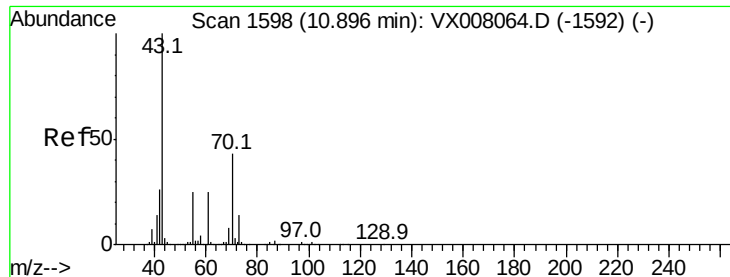
120 27.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 154.486 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 914198

Ion Ratio Lower Upper

43 100

70 43.3 33.5 50.3

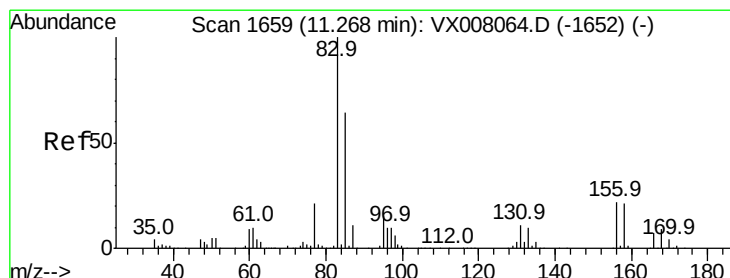
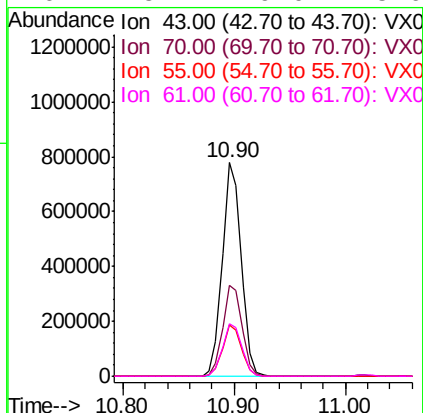
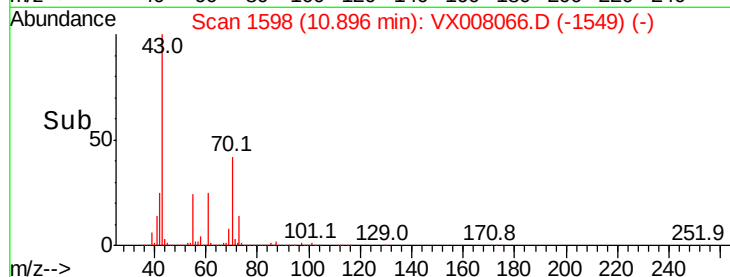
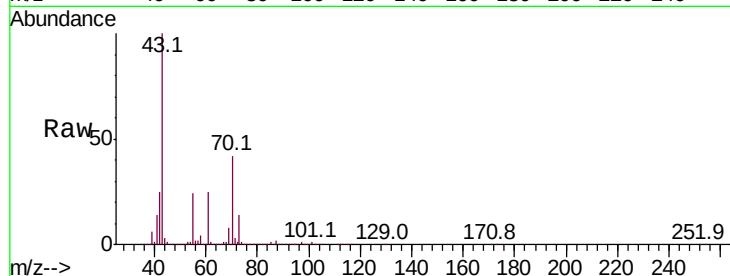
55 24.0 19.2 28.8

61 25.2 19.0 28.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 150.125 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

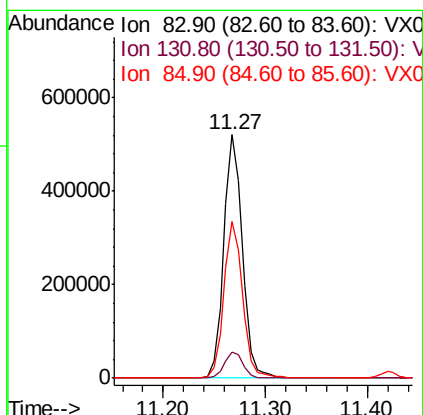
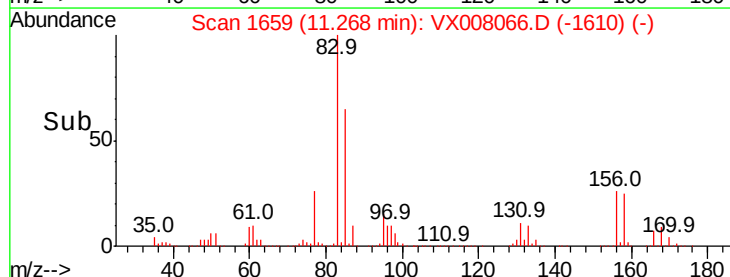
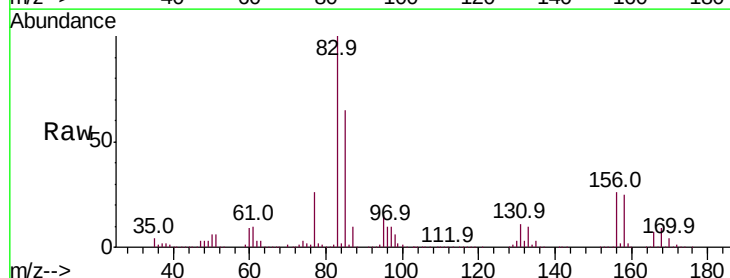
Tgt Ion: 83 Resp: 661998

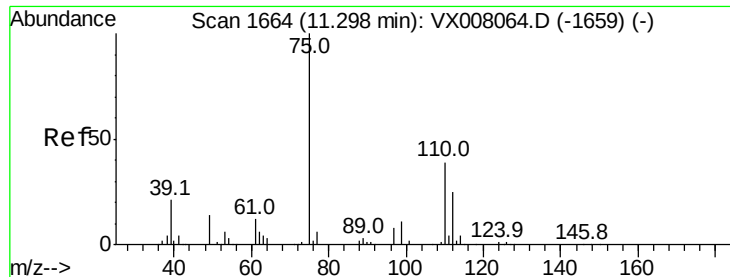
Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 64.5 32.3 96.8





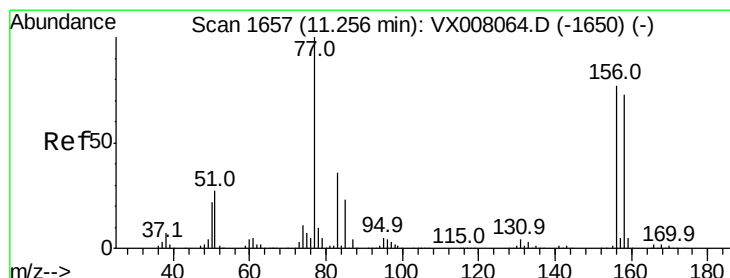
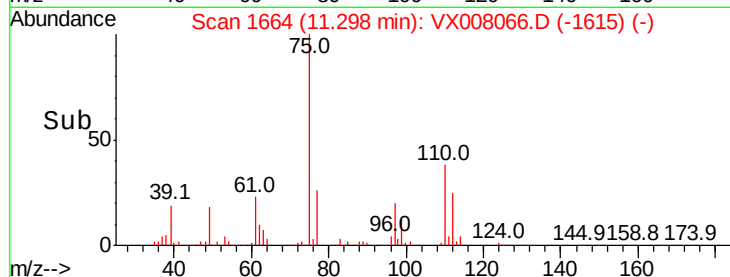
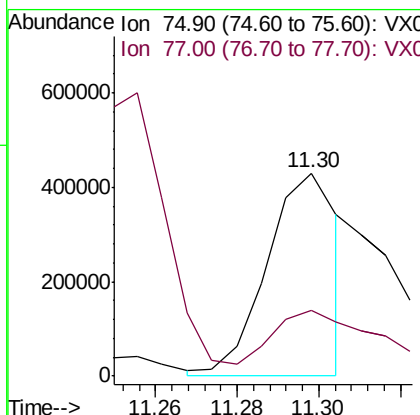
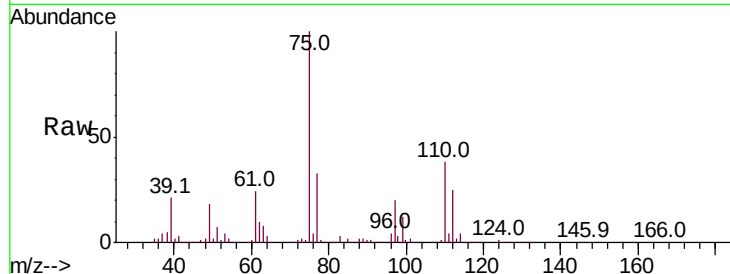
#76
1,2,3-Trichloropropane
Concen: 139.893 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 521333
Ion Ratio Lower Upper
75 100
77 48.7 18.9 56.7

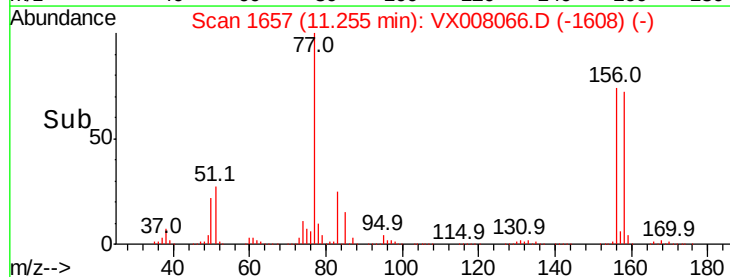
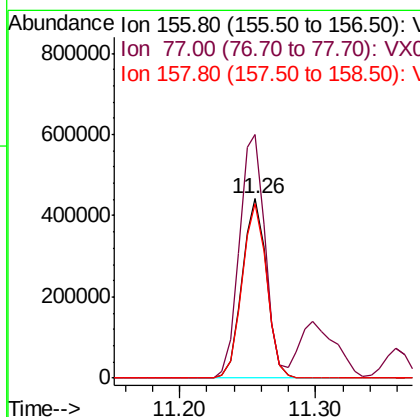
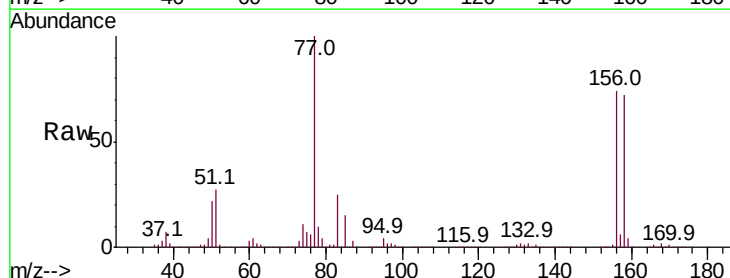
Manual Integrations
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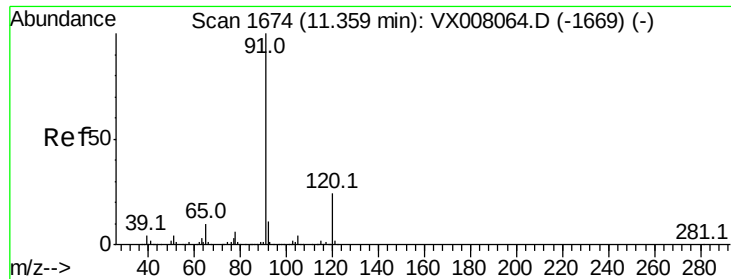
MMDadoda
3/15/2019 9:07:06 AM



#77
Bromobenzene
Concen: 147.283 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion: 156 Resp: 557038
Ion Ratio Lower Upper
156 100
77 142.1 72.0 215.9
158 97.5 48.6 145.9





#78

n-propylbenzene

Concen: 149.870 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2369962

Ion Ratio Lower Upper

91 100

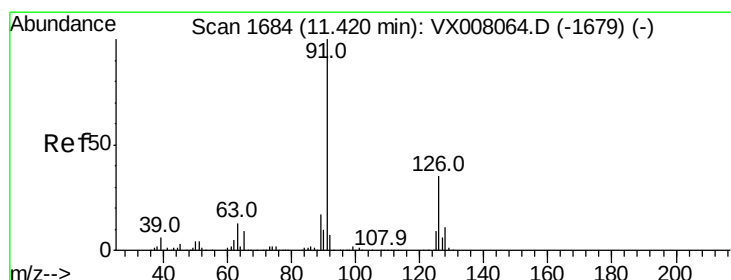
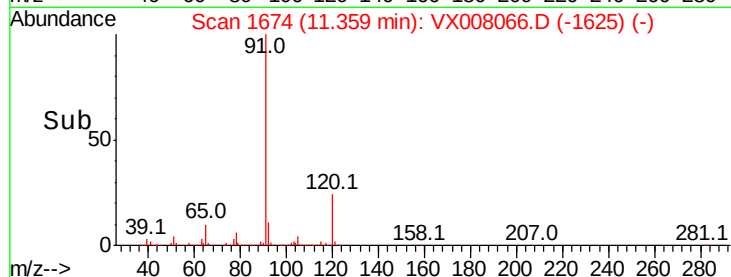
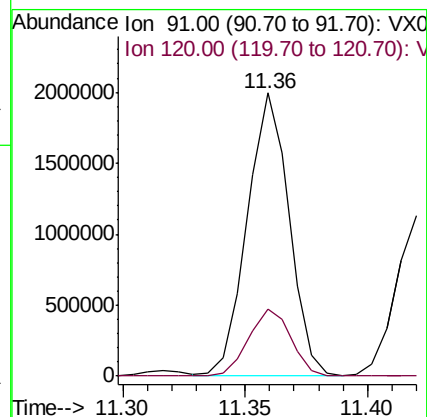
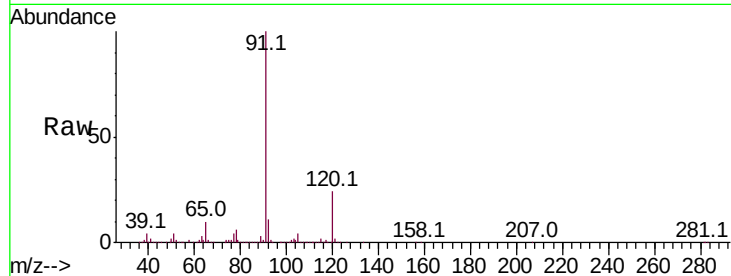
120 24.1 12.0 36.0

Manual Integrations

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#79

2-Chlorotoluene

Concen: 147.850 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008066.D

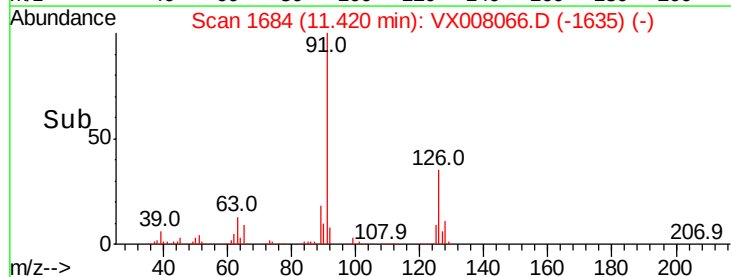
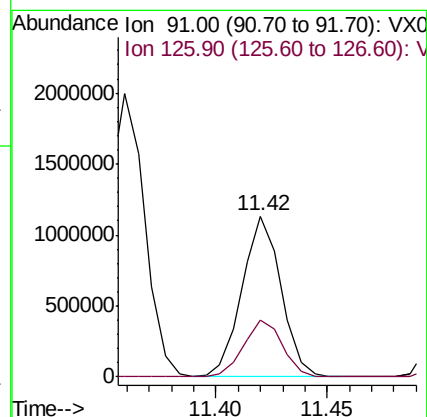
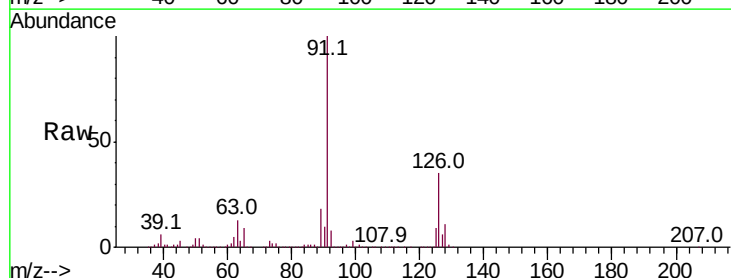
Acq: 14 Mar 2019 12:39

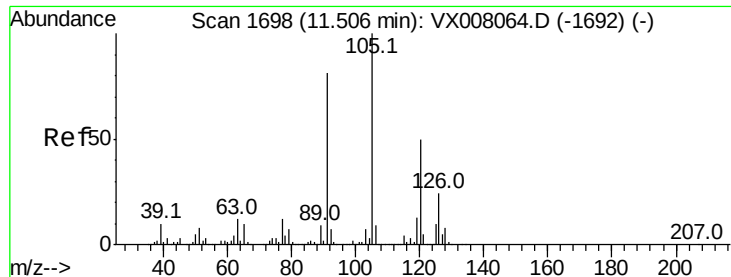
Tgt Ion: 91 Resp: 1380481

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6





#80

1,3,5-Trimethylbenzene

Concen: 149.337 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1753977

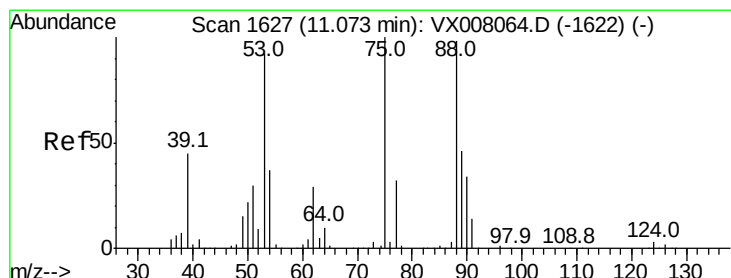
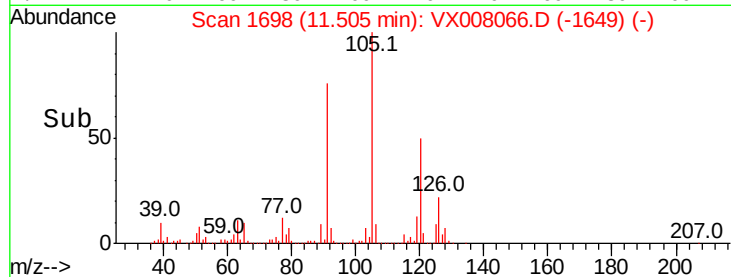
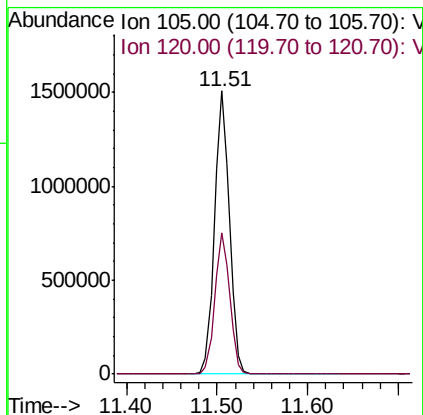
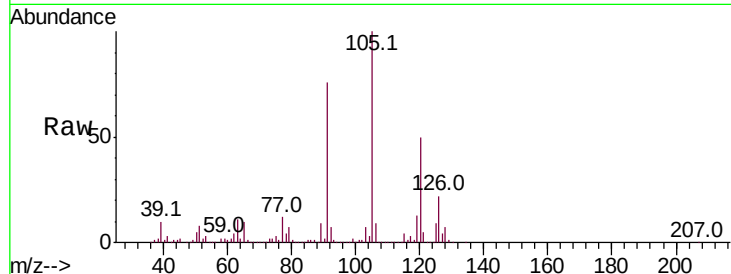
Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6

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#81

trans-1,4-Dichloro-2-butene

Concen: 167.049 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

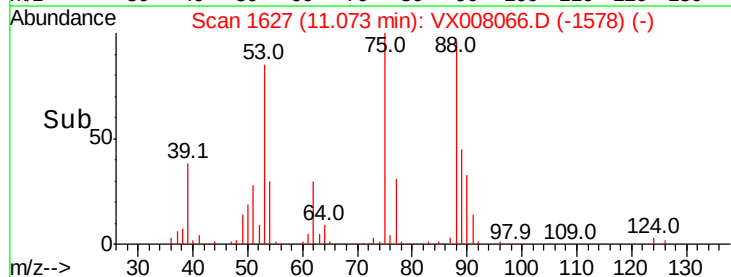
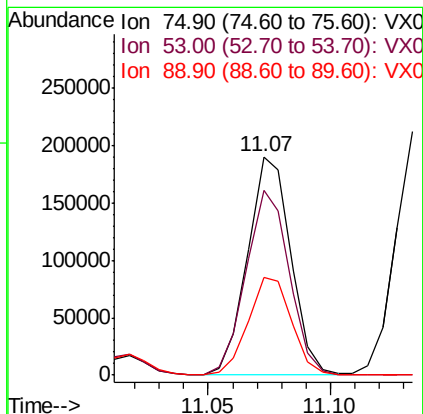
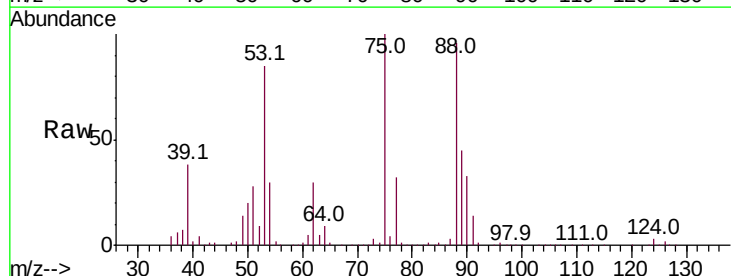
Tgt Ion: 75 Resp: 234549

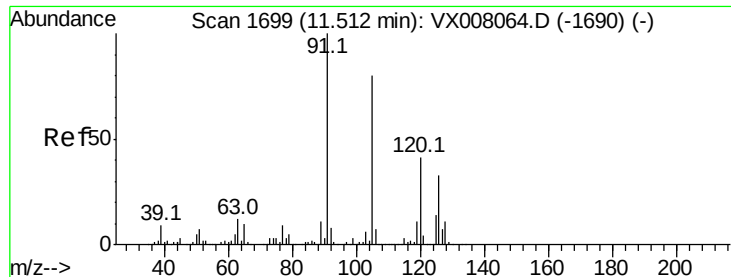
Ion Ratio Lower Upper

75 100

53 84.7 76.1 114.1

89 45.2 36.3 54.5





#82

4-Chlorotoluene

Concen: 153.672 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1635930

Ion Ratio Lower Upper

91 100

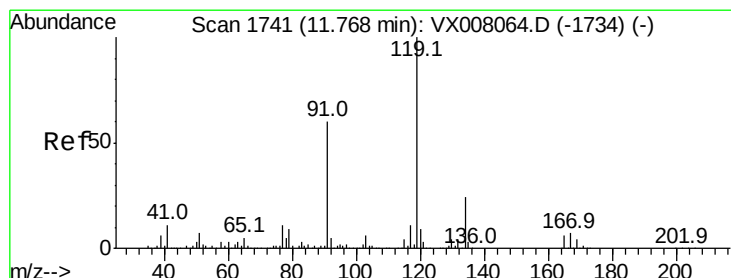
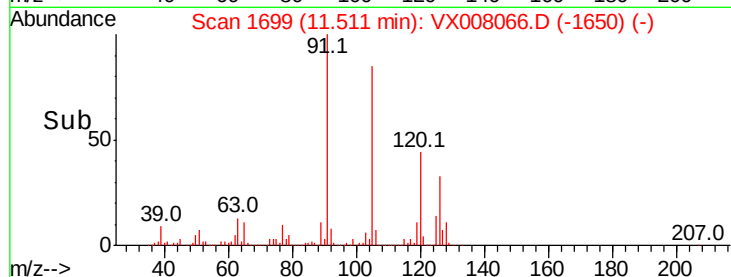
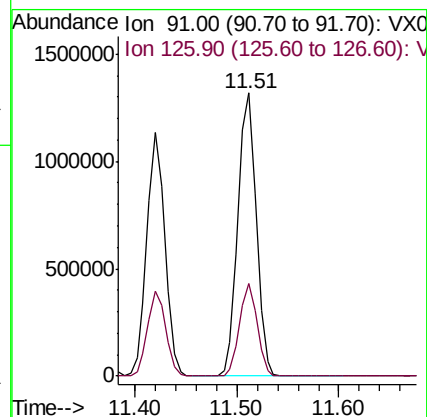
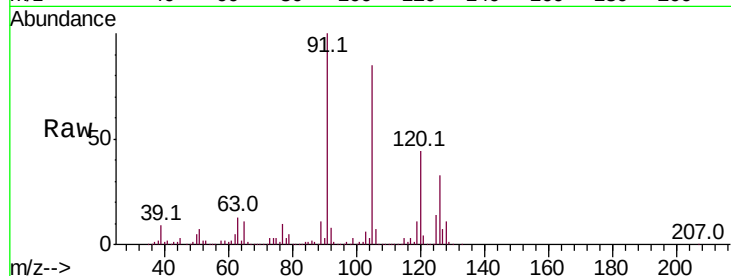
126 31.4 15.6 46.8

Manual Integrations

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#83

tert-Butylbenzene

Concen: 157.077 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

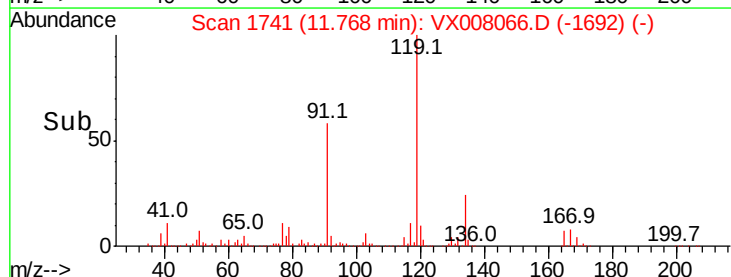
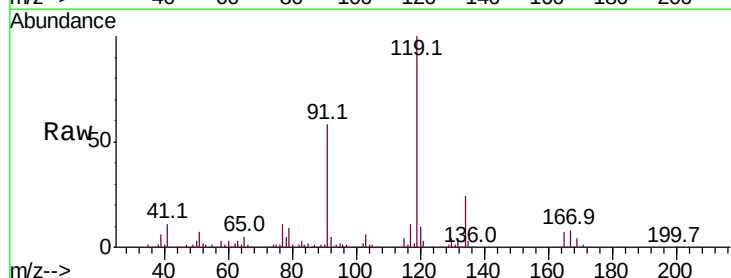
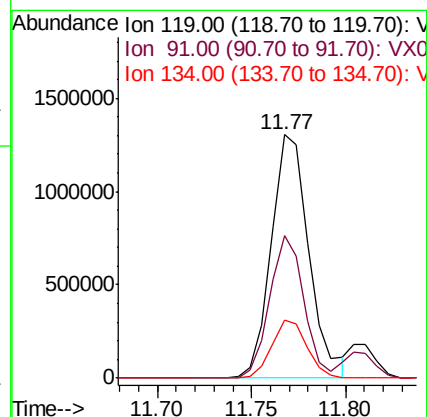
Tgt Ion: 119 Resp: 1808187

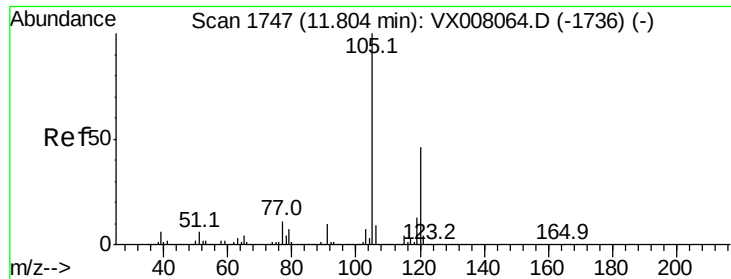
Ion Ratio Lower Upper

119 100

91 53.1 27.1 81.3

134 22.4 11.4 34.1





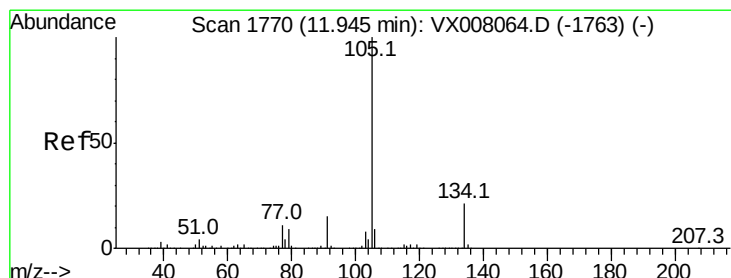
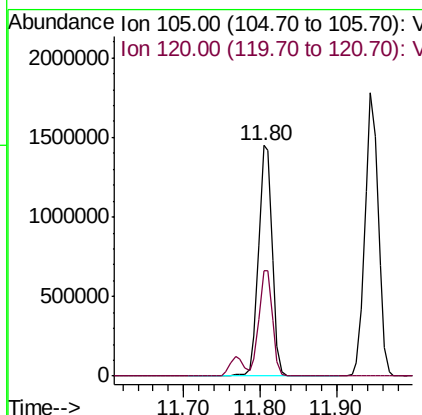
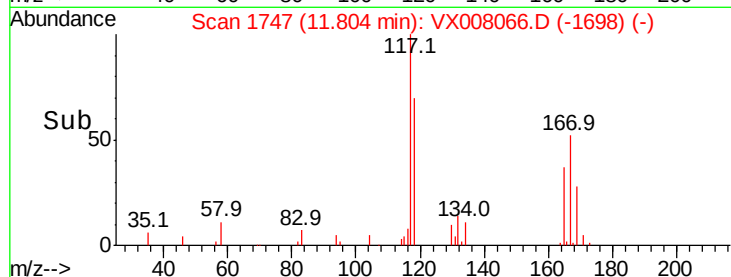
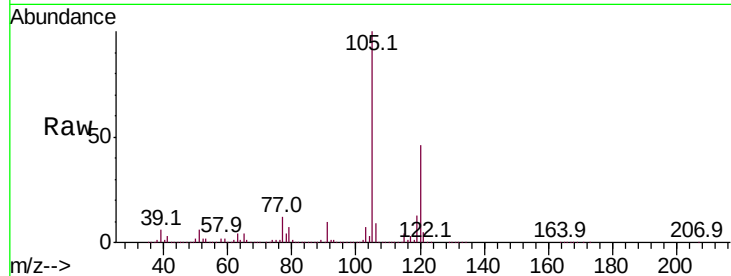
#84
 1,2,4-Trimethylbenzene
 Concen: 150.880 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1822022
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.7

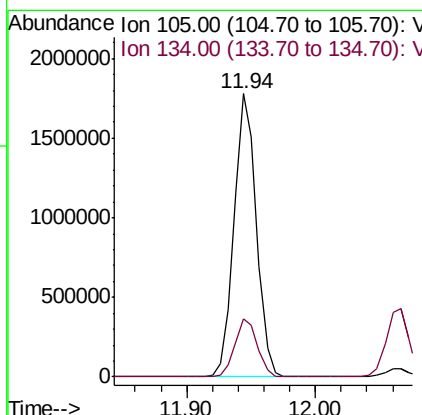
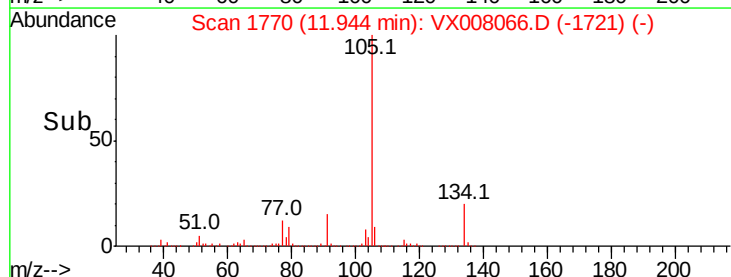
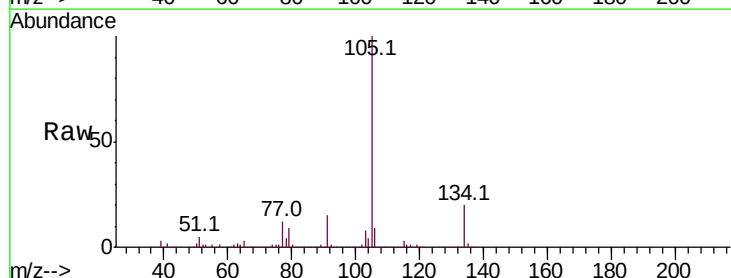
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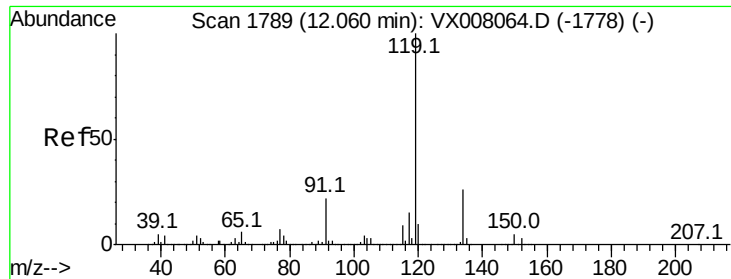
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#85
 sec-Butylbenzene
 Concen: 152.667 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Tgt Ion:105 Resp: 2148712
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.2





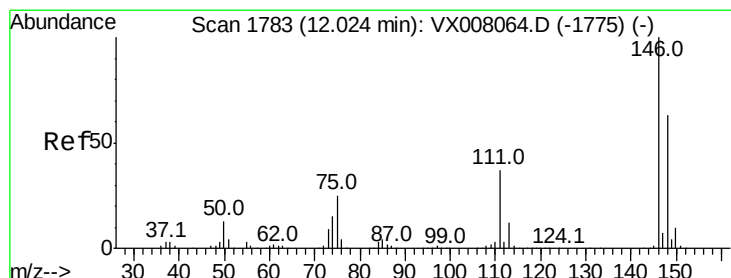
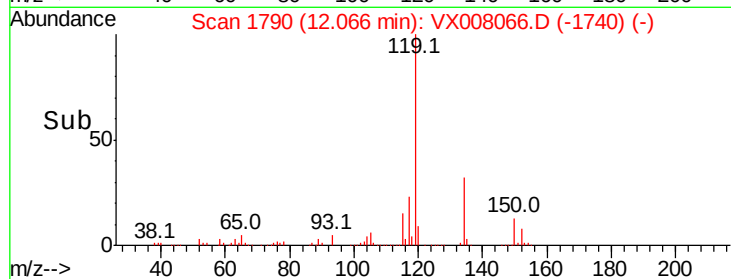
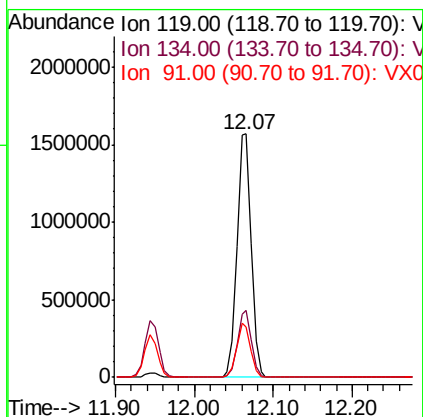
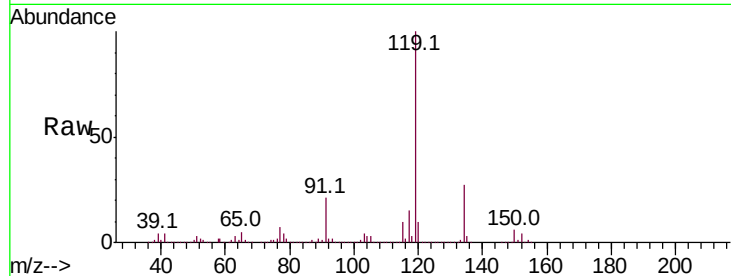
#86
 p-Isopropyltoluene
 Concen: 154.392 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	21.6	10.9	32.7

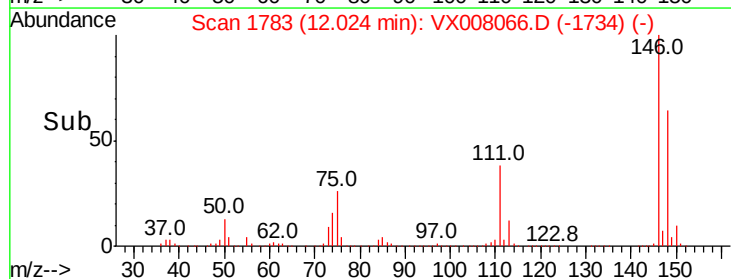
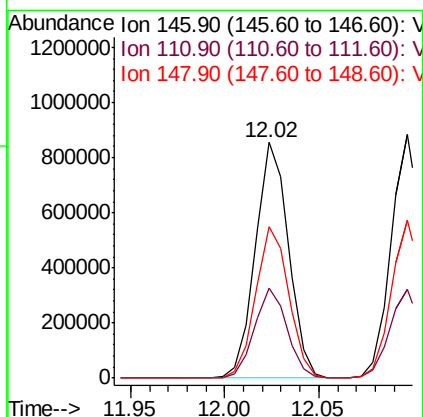
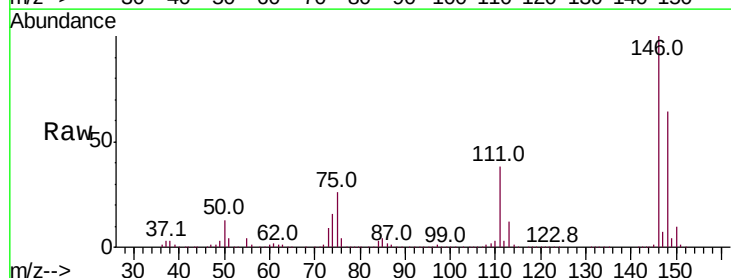
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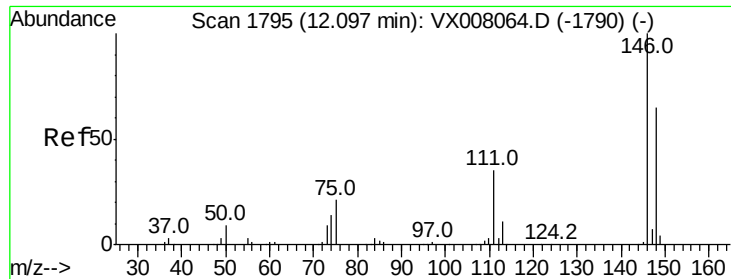
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#87
 1,3-Dichlorobenzene
 Concen: 155.776 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.4	31.7	95.1





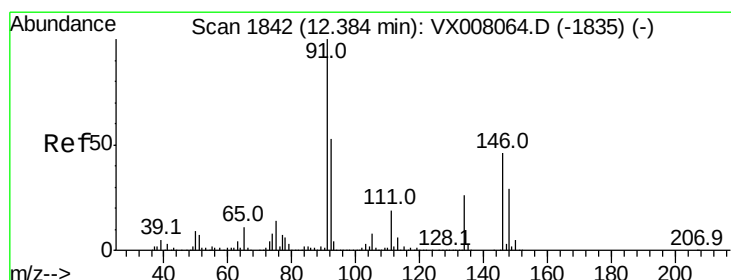
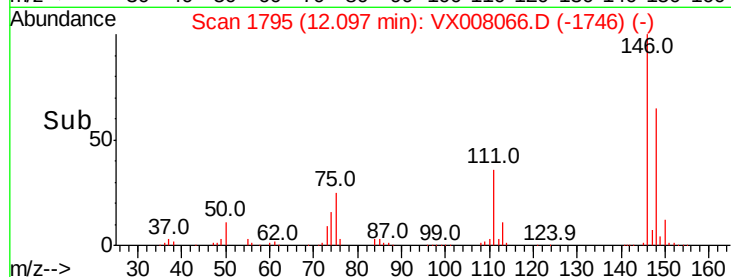
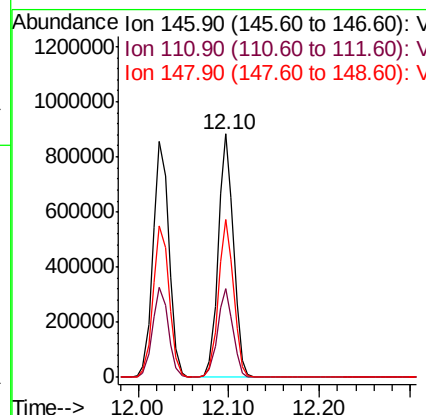
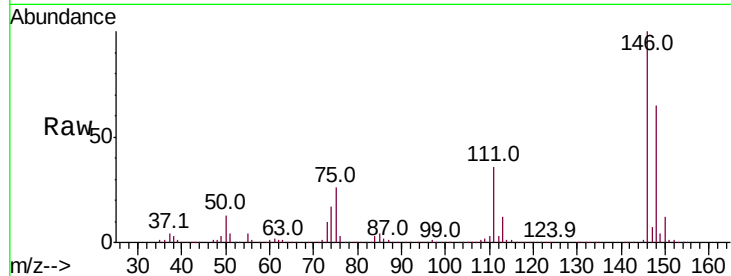
#88
 1,4-Dichlorobenzene
 Concen: 156.889 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1047330
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.4 55.0
 148 64.5 32.2 96.6

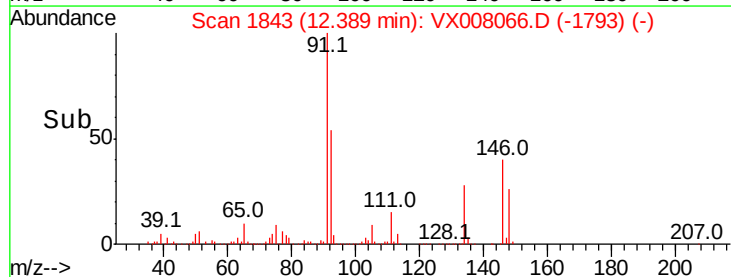
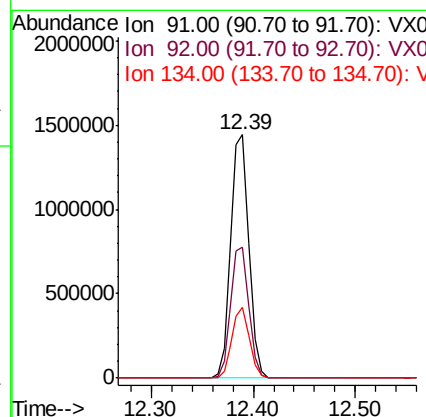
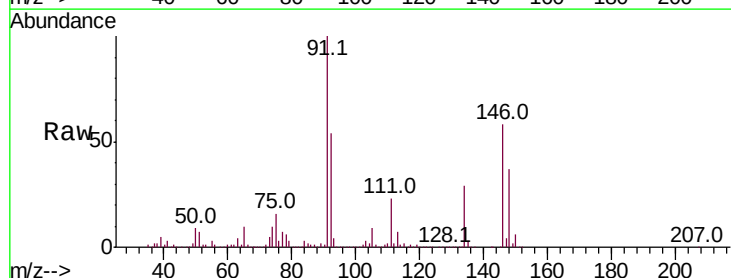
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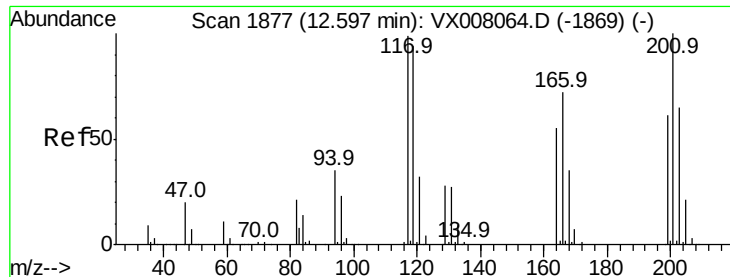
MMDadoda
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#89
 n-Butylbenzene
 Concen: 165.549 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Tgt Ion: 91 Resp: 1762556
 Ion Ratio Lower Upper
 91 100
 92 53.9 27.0 80.8
 134 27.9 13.7 41.0





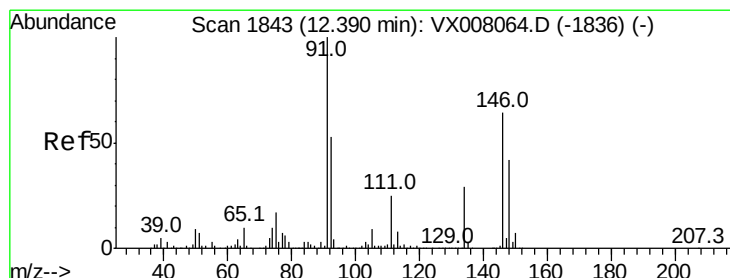
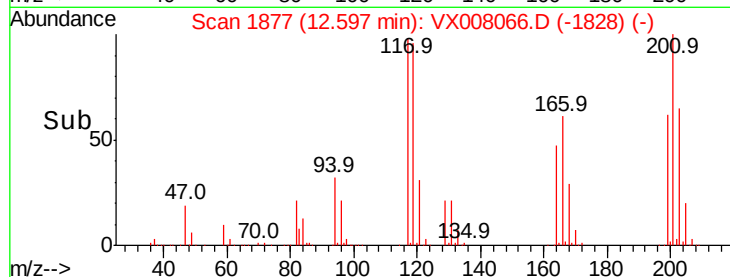
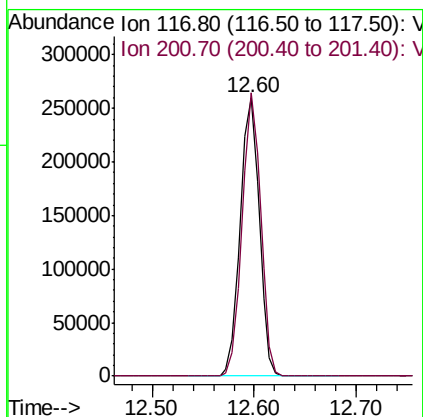
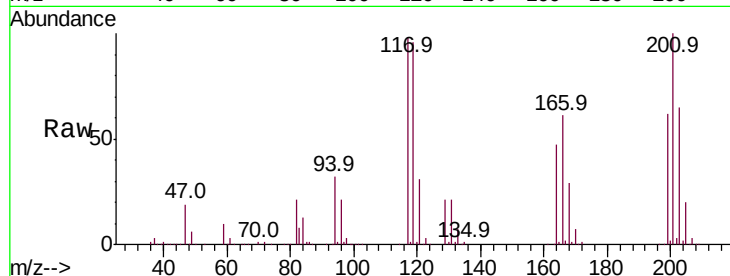
#90
Hexachloroethane
Concen: 162.423 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 333078
Ion Ratio Lower Upper
117 100
201 99.5 48.9 146.7

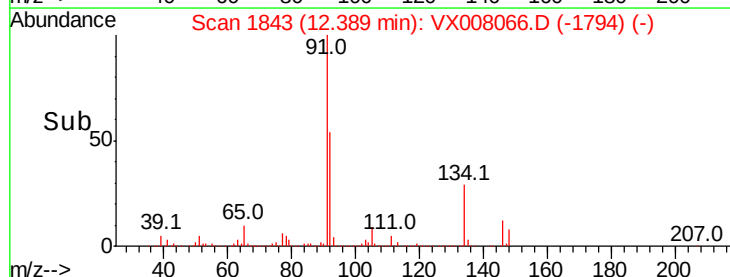
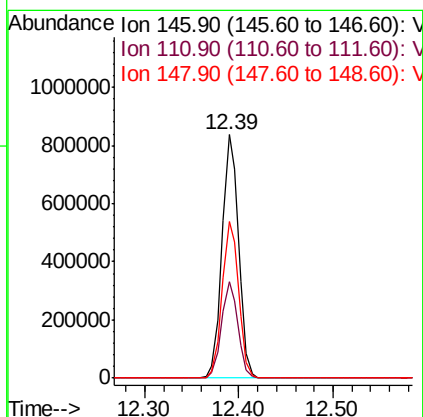
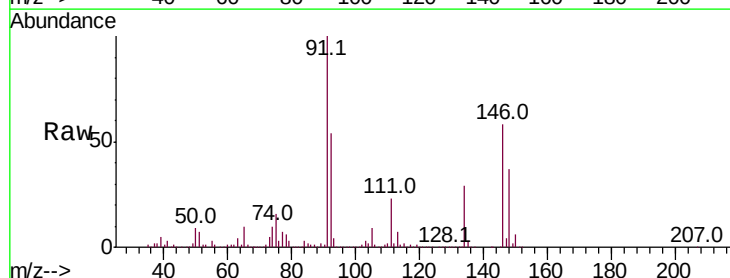
Manual Integrations
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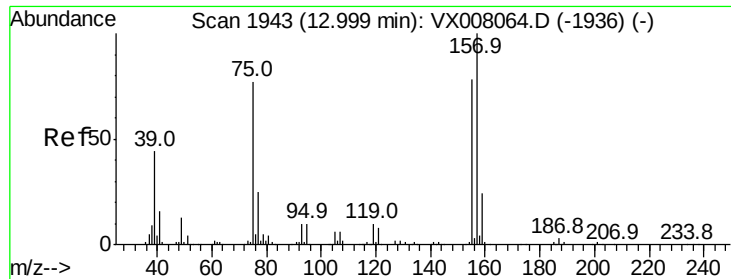
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#91
1,2-Dichlorobenzene
Concen: 154.999 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008066.D
Acq: 14 Mar 2019 12:39

Tgt Ion:146 Resp: 1016931
Ion Ratio Lower Upper
146 100
111 39.1 19.6 58.8
148 64.2 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 153.863 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 149824

Ion Ratio Lower Upper

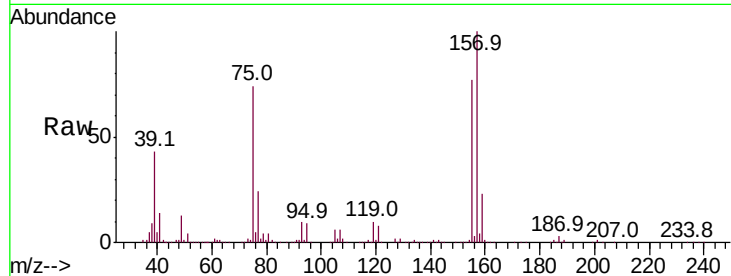
75 100

155 104.1 49.7 149.1

157 135.5 63.8 191.4

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Abundance Ion 74.90 (74.60 to 75.60): VX008064.D (-1936) (-)

Ion 154.80 (154.50 to 155.50): VX008064.D (-1936) (-)

Ion 156.80 (156.50 to 157.50): VX008064.D (-1936) (-)

200000

150000

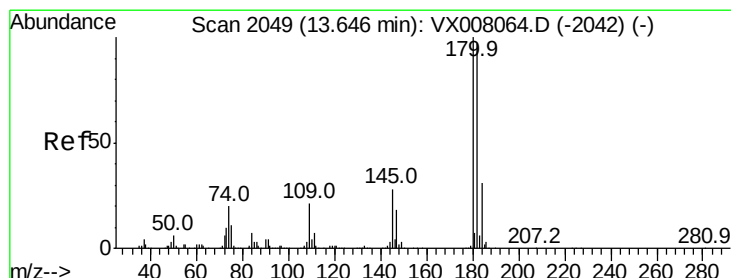
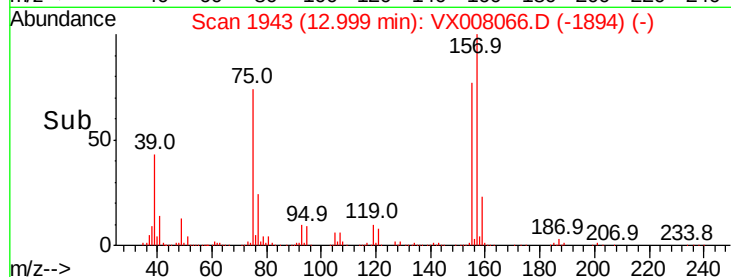
100000

50000

0

13.00

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 170.893 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

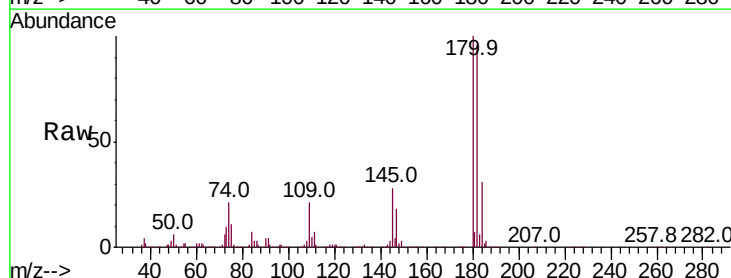
Tgt Ion: 180 Resp: 806226

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 28.5 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): VX008064.D (-2042) (-)

Ion 181.80 (181.50 to 182.50): VX008064.D (-2042) (-)

Ion 144.80 (144.50 to 145.50): VX008064.D (-2042) (-)

800000

600000

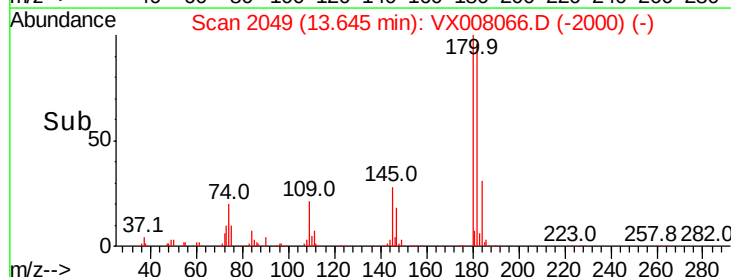
400000

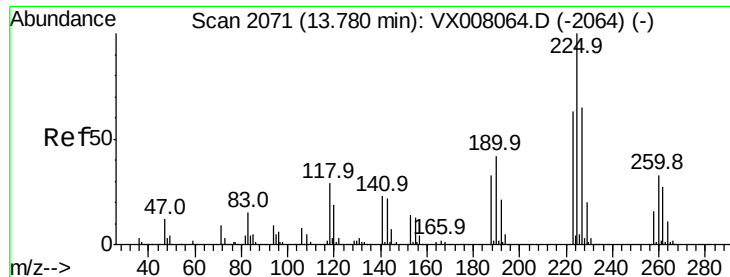
200000

0

13.65

Time-->





#94

Hexachlorobutadiene

Concen: 161.057 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008066.D

Acq: 14 Mar 2019 12:39

Instrument :

MSVOA_X

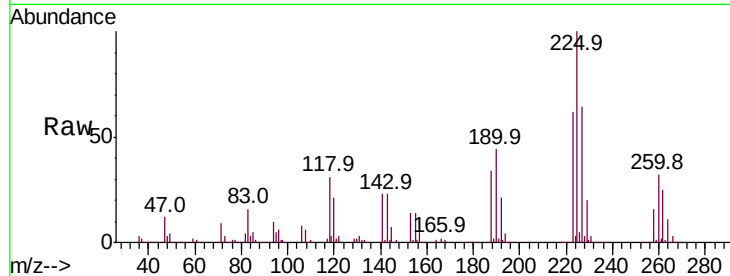
ClientSampleId :

VSTDIC150

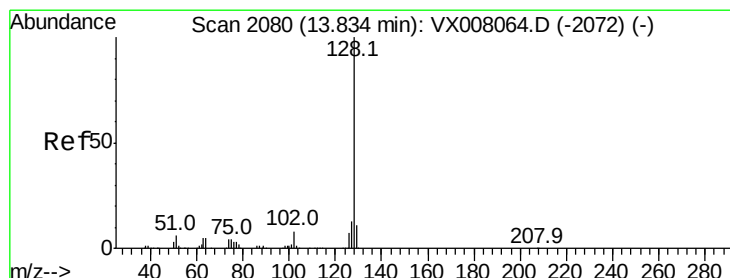
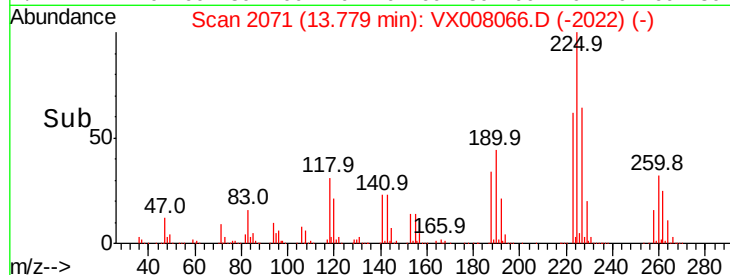
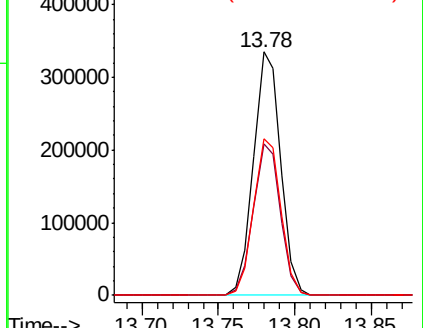
Tot Ion:	225	Resp:	414160
Ion Ratio		Lower	Upper
225	100		
223	62.3	31.1	93.2
227	64.7	32.0	96.0

Manual Integrations
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3/15/2019 9:07:06 AM



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



#95

Naphthalene

Concen: 158.538 ug/l

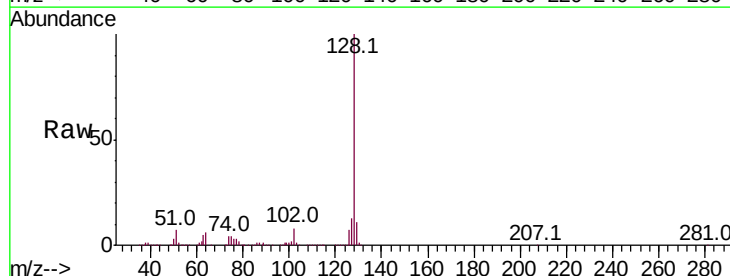
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

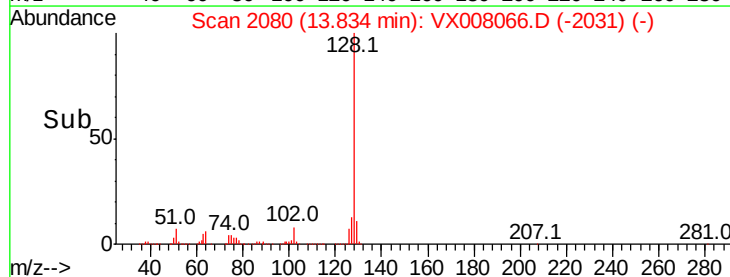
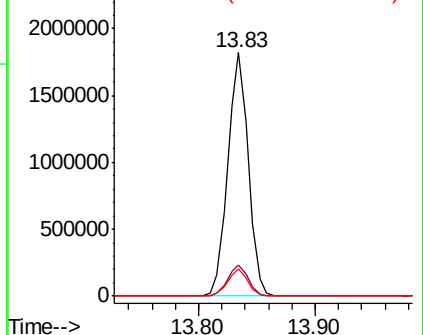
Lab File: VX008066.D

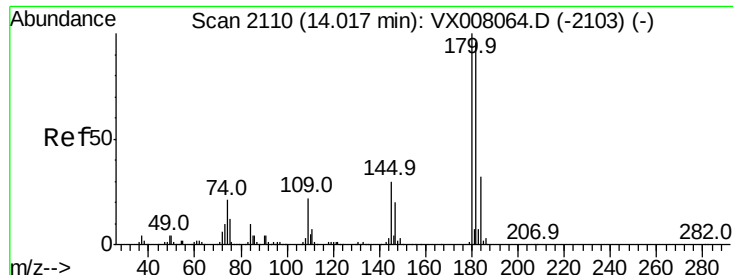
Acq: 14 Mar 2019 12:39

Tgt Ion:	128	Resp:	2213117
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





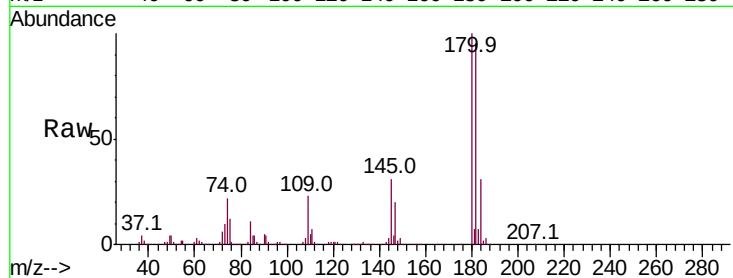
#96
 1,2,3-Trichlorobenzene
 Concen: 165.632 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008066.D
 Acq: 14 Mar 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.5	47.5	142.5
145	30.1	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:07:06 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

