

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008350.D
 Acq On : 23 Mar 2019 14:42
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:16:50 AM

Quant Time: Mar 23 15:05:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 14:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348617	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	291396	96.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.12%	
35) Dibromofluoromethane	5.50	113	218879	93.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.58%	
50) Toluene-d8	8.71	98	869802	98.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.60%	
62) 4-Bromofluorobenzene	11.13	95	329149	108.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	220803	90.419	ug/l	99
3) Chloromethane	1.32	50	315765	103.050	ug/l	99
4) Vinyl Chloride	1.41	62	312774	102.377	ug/l	100
5) Bromomethane	1.64	94	193404	74.316	ug/l	100
6) Chloroethane	1.70	64	180189	94.066	ug/l	100
7) Trichlorofluoromethane	1.92	101	351835	90.239	ug/l	99
8) Diethyl Ether	2.19	74	166558	83.030	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	209663	80.993	ug/l	89
10) Methyl Iodide	2.51	142	291123	88.324	ug/l	98
11) Tert butyl alcohol	3.07	59	343258	528.575	ug/l	100
12) 1,1-Dichloroethene	2.37	96	218309	89.328	ug/l	91
13) Acrolein	2.29	56	275149	555.882	ug/l	99
14) Allyl chloride	2.72	41	498086	93.624	ug/l	96
15) Acrylonitrile	3.15	53	839571	488.781	ug/l	99
16) Acetone	2.45	43	735885	427.713	ug/l	97
17) Carbon Disulfide	2.56	76	668653	84.845	ug/l	100
18) Methyl Acetate	2.78	43	358395	89.978	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	801199	90.669	ug/l	98
20) Methylene Chloride	2.85	84	255128	88.926	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	231365	87.632	ug/l	93
22) Diisopropyl ether	3.86	45	957840	91.928	ug/l	94
23) Vinyl Acetate	3.82	43	4340958	485.942	ug/l	98
24) 1,1-Dichloroethane	3.70	63	480107	89.590	ug/l	99
25) 2-Butanone	4.68	43	1238815	487.778	ug/l	97
26) 2,2-Dichloropropane	4.58	77	330131	81.776	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	270885	90.002	ug/l	90
28) Bromochloromethane	5.01	49	240081	99.770	ug/l #	79
29) Tetrahydrofuran	5.13	42	813839	512.605	ug/l	95
30) Chloroform	5.21	83	435490	86.875	ug/l	99
31) Cyclohexane	5.58	56	458778	91.168	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	356315	85.448	ug/l	96
36) 1,1-Dichloropropene	5.80	75	345121	85.030	ug/l	96
37) Ethyl Acetate	4.84	43	470834	98.132	ug/l	98
38) Carbon Tetrachloride	5.78	117	298328	82.493	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	424934	86.999	ug/l	92
40) Benzene	6.14	78	1042663	86.793	ug/l	100
41) Methacrylonitrile	5.04	41	262754	97.631	ug/l	96
42) 1,2-Dichloroethane	6.19	62	367227	83.445	ug/l	96
43) Isopropyl Acetate	6.45	43	756630	98.384	ug/l	97
44) Trichloroethene	7.21	130	239009	81.368	ug/l	90
45) 1,2-Dichloropropane	7.51	63	295684	87.923	ug/l	99
46) Dibromomethane	7.66	93	171846	84.397	ug/l #	85
47) Bromodichloromethane	7.90	83	348418	89.787	ug/l	99
48) Methyl methacrylate	7.77	41	382999	93.661	ug/l	94
49) 1,4-Dioxane	7.74	88	146130	2025.069	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	2464737	495.734	ug/l	98
52) Toluene	8.79	92	621115	87.149	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	405999	93.489	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	445823	92.573	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	254532	88.393	ug/l	97
56) Ethyl methacrylate	9.18	69	484671	105.222	ug/l	92
57) 1,3-Dichloropropane	9.37	76	453665	89.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1293320	548.179	ug/l	92
59) 2-Hexanone	9.49	43	1913427	499.883	ug/l	97
60) Dibromochloromethane	9.59	129	257626	93.094	ug/l	99
61) 1,2-Dibromoethane	9.67	107	265064	88.157	ug/l	99
64) Tetrachloroethene	9.34	164	193120	68.428	ug/l	95
65) Chlorobenzene	10.14	112	637183	82.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	229582	85.546	ug/l	98
67) Ethyl Benzene	10.25	91	1213704	89.479	ug/l	97
68) m/p-Xylenes	10.36	106	888538	178.326	ug/l	94
69) o-Xylene	10.70	106	429956	88.803	ug/l	94
70) Styrene	10.71	104	760158	96.608	ug/l	96
71) Bromoform	10.85	173	194716	95.382	ug/l #	100
73) Isopropylbenzene	11.02	105	1124940	82.073	ug/l	98
74) N-amyl acetate	10.90	43	713776	99.394	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	443793	90.296	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	366182m	84.666	ug/l	
77) Bromobenzene	11.26	156	272379	82.190	ug/l	81
78) n-propylbenzene	11.36	91	1350963	84.862	ug/l	95
79) 2-Chlorotoluene	11.42	91	800464	83.774	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	986500	87.118	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	157951	104.460	ug/l	96
82) 4-Chlorotoluene	11.51	91	949770	85.420	ug/l	94
83) tert-Butylbenzene	11.77	119	953656	88.210	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	992407	86.448	ug/l	97
85) sec-Butylbenzene	11.94	105	1123097	83.886	ug/l	96
86) p-Isopropyltoluene	12.06	119	1023452	88.313	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	490862	82.880	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	495144	80.825	ug/l	97
89) n-Butylbenzene	12.38	91	1003037	92.216	ug/l	97
90) Hexachloroethane	12.60	117	174492	88.408	ug/l	79
91) 1,2-Dichlorobenzene	12.39	146	494043	82.731	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	101201	92.706	ug/l	77

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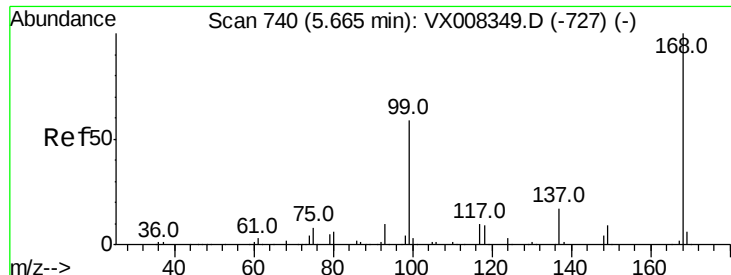
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	338184	85.976	ug/l	99
94) Hexachlorobutadiene	13.78	225	159968	83.387	ug/l	99
95) Naphthalene	13.83	128	1170577	94.289	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	336088	86.835	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 201418

Ion Ratio Lower Upper

168 100

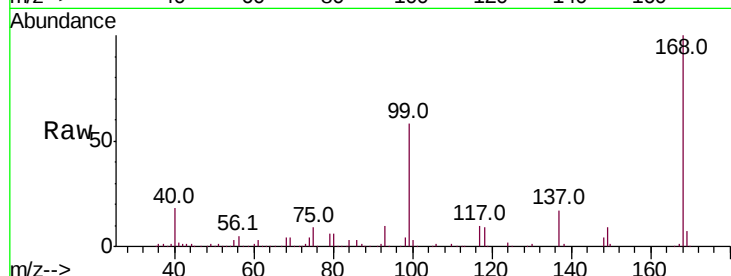
99 58.1 37.6 56.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

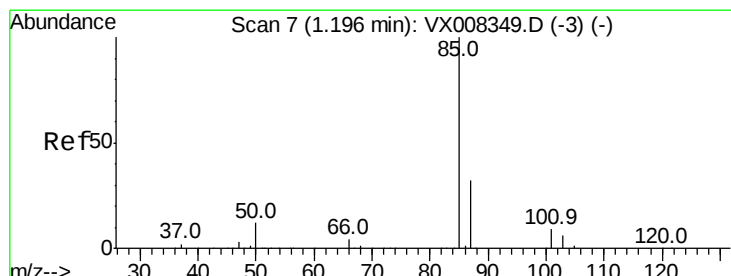
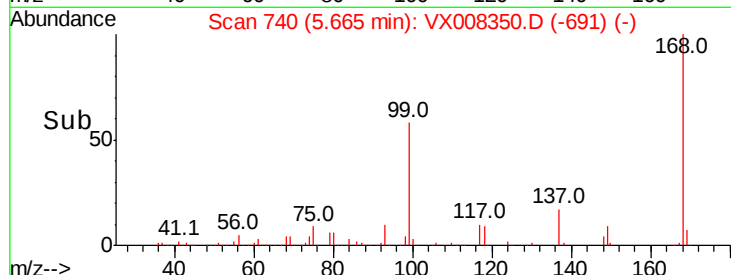
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 90.419 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008350.D

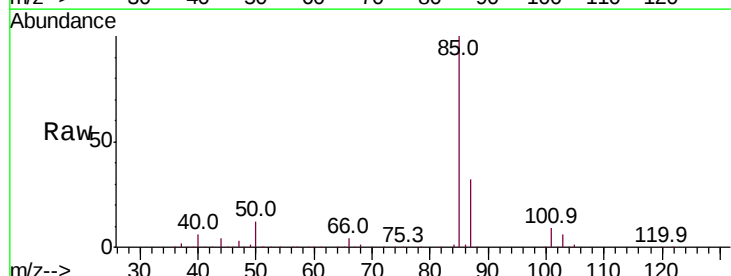
Acq: 23 Mar 2019 14:42

Tgt Ion: 85 Resp: 220803

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

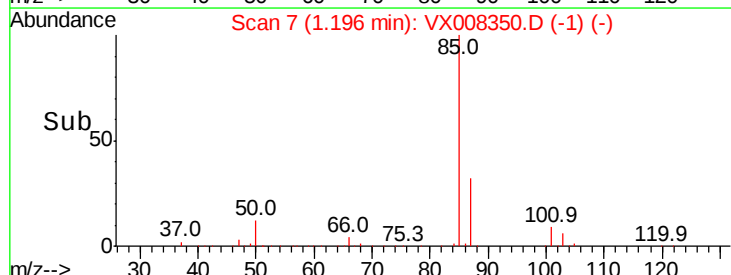
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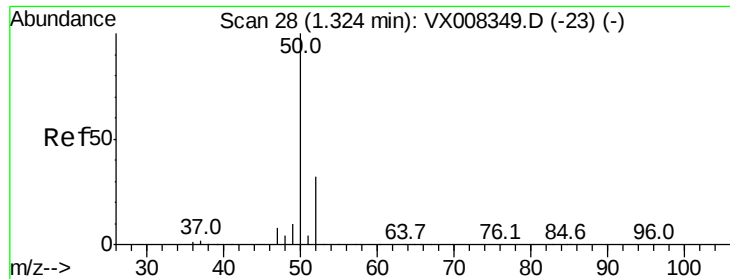
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 103.050 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 315765

Ion Ratio Lower Upper

50 100

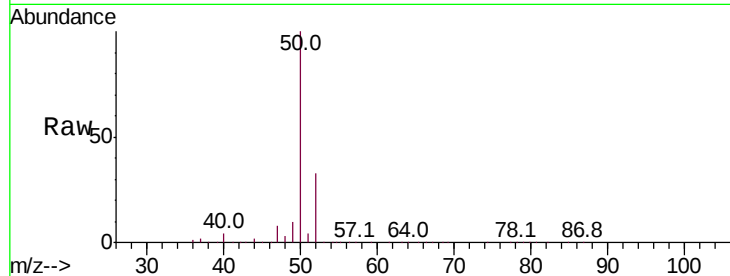
52 32.7 26.5 39.7

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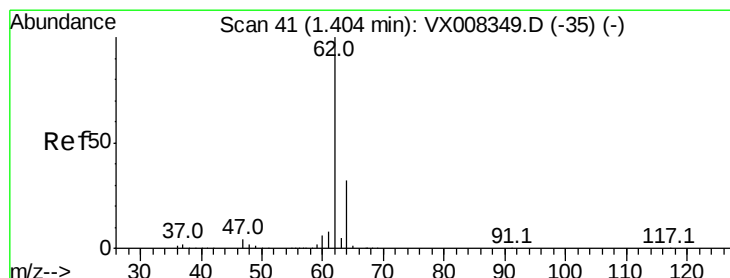
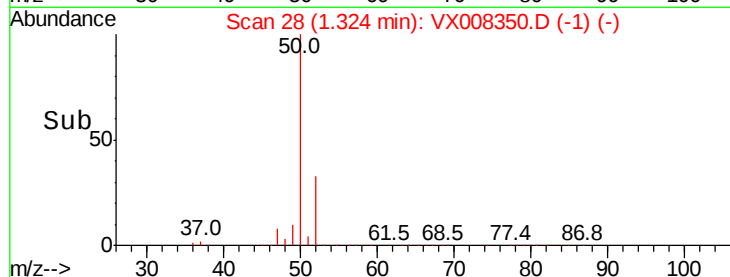
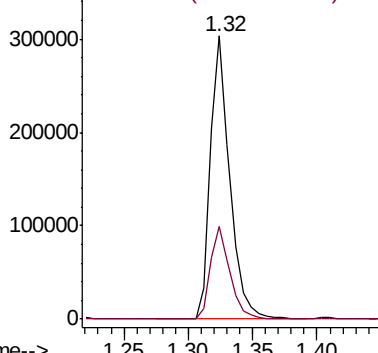
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 102.377 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008350.D

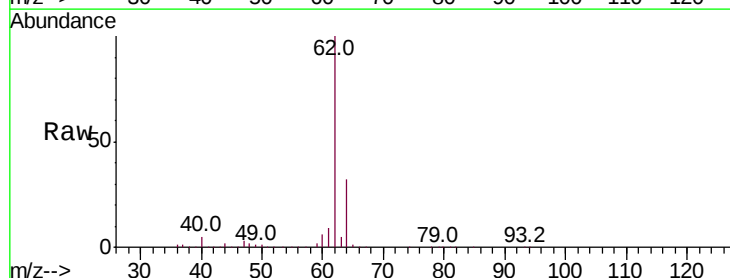
Acq: 23 Mar 2019 14:42

Tgt Ion: 62 Resp: 312774

Ion Ratio Lower Upper

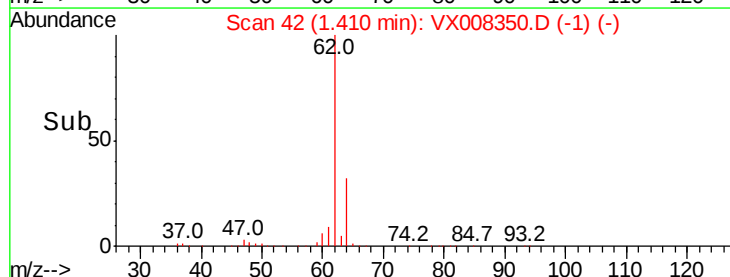
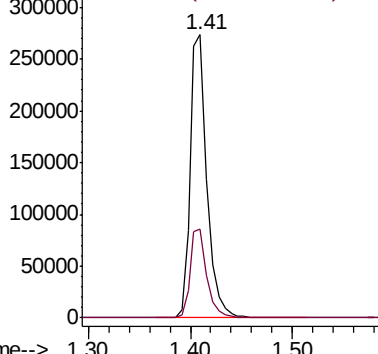
62 100

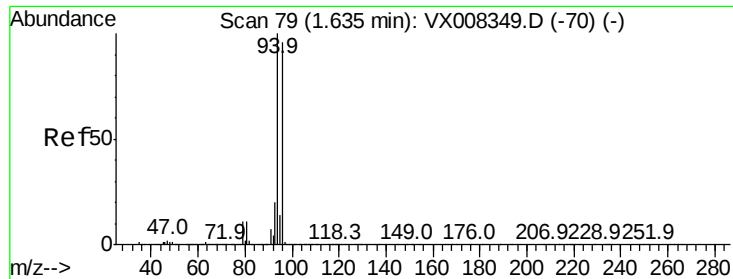
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 74.316 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 193404

Ion Ratio Lower Upper

94 100

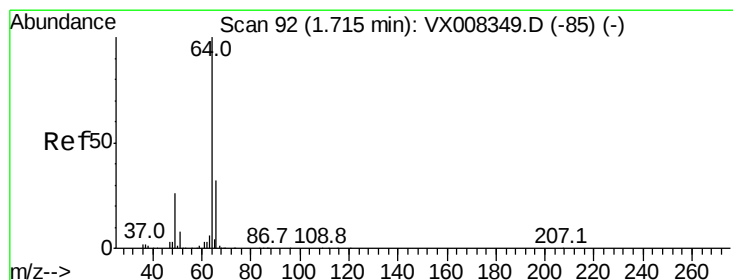
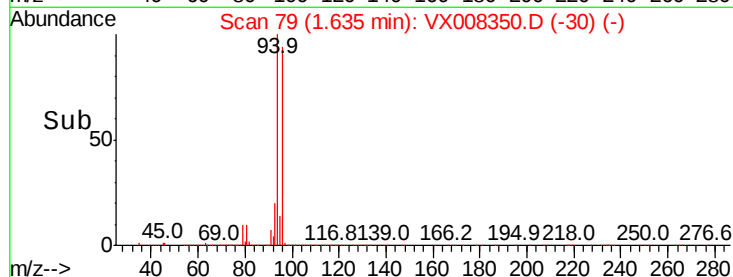
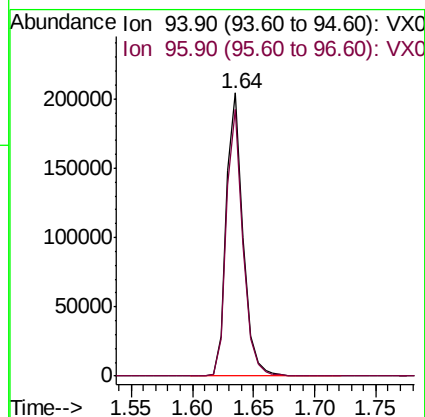
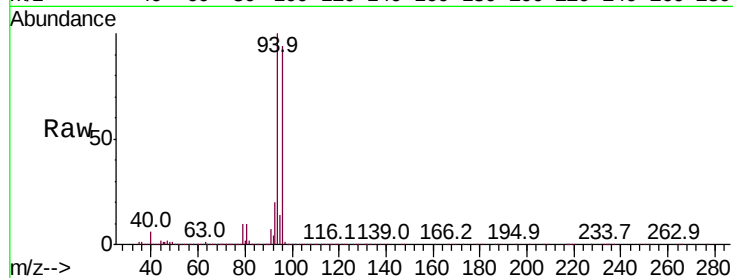
96 94.2 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 94.066 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008350.D

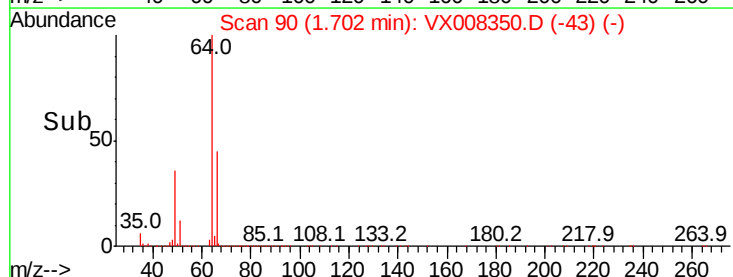
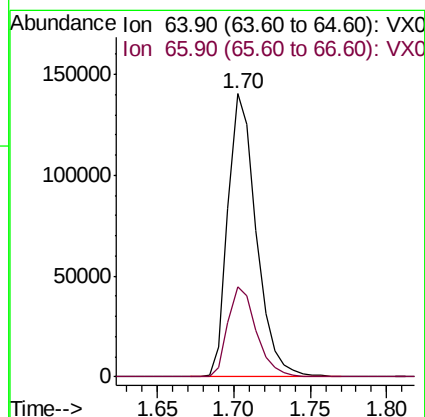
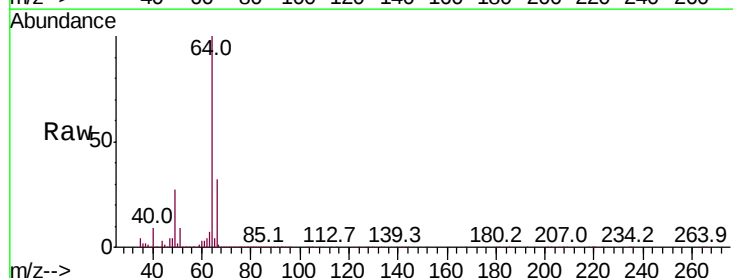
Acq: 23 Mar 2019 14:42

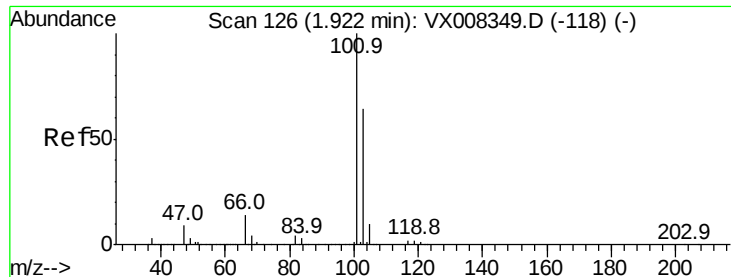
Tgt Ion: 64 Resp: 180189

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8





#7

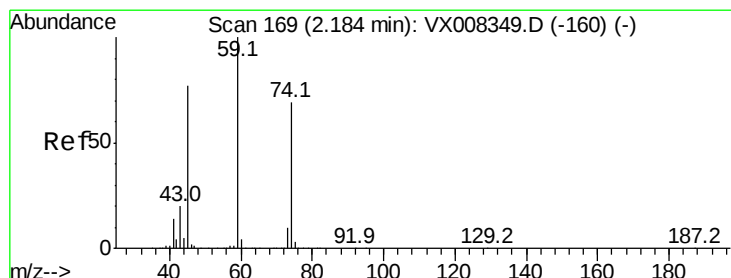
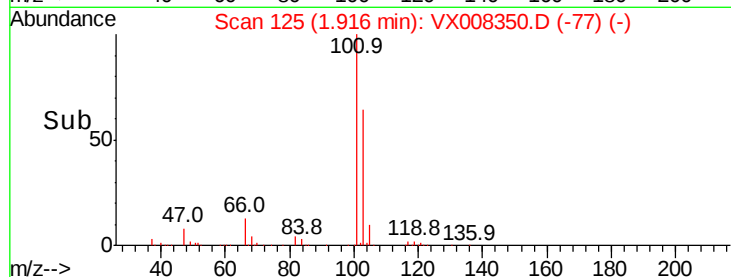
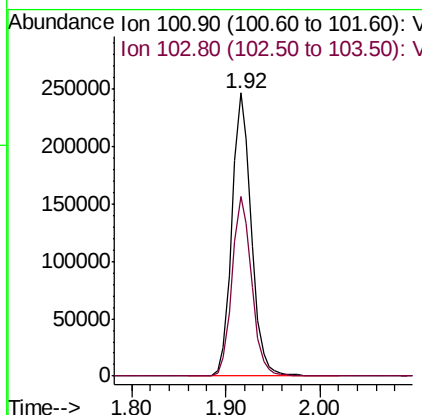
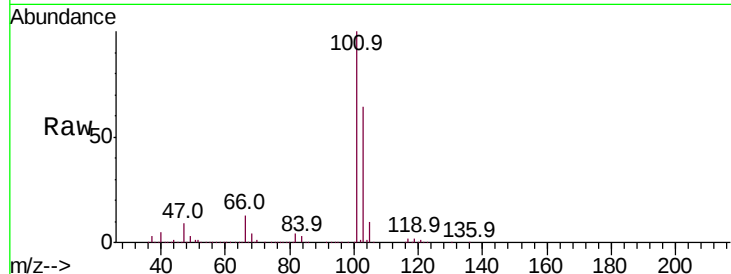
Trichlorofluoromethane
Concen: 90.239 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	351835		
103	63.7	50.4	75.6	

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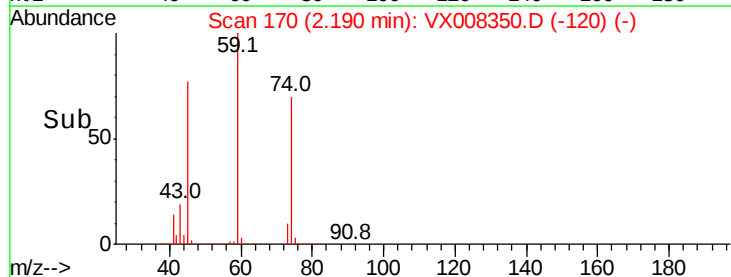
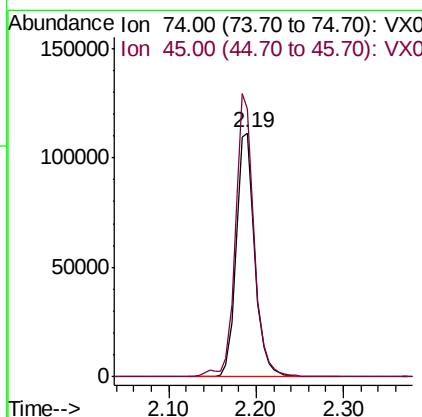
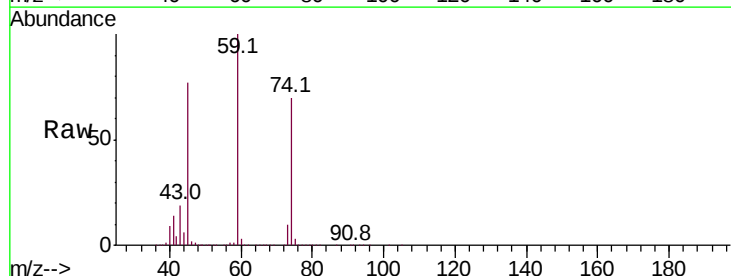
MMDadoda
3/25/2019 11:16:50 AM

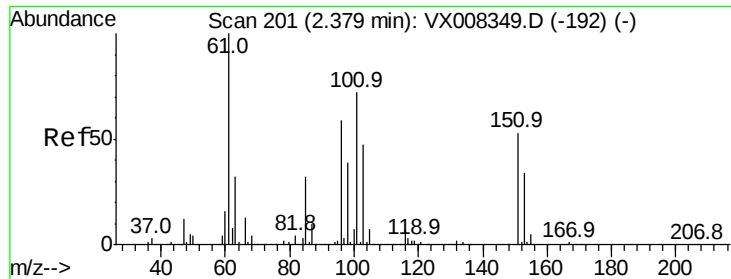


#8

Diethyl Ether
Concen: 83.030 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	166558		
45	116.3	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.993 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

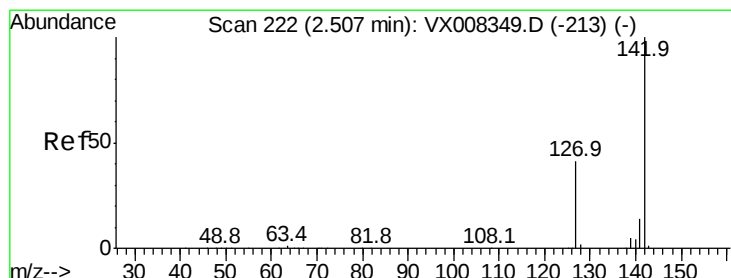
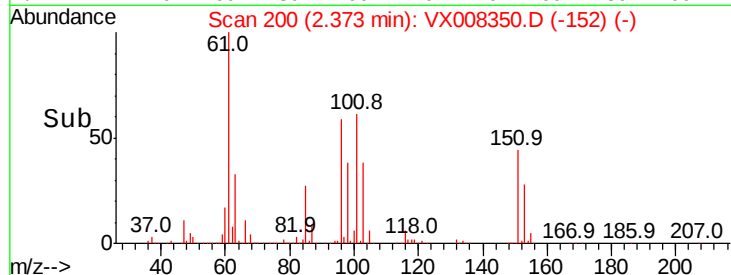
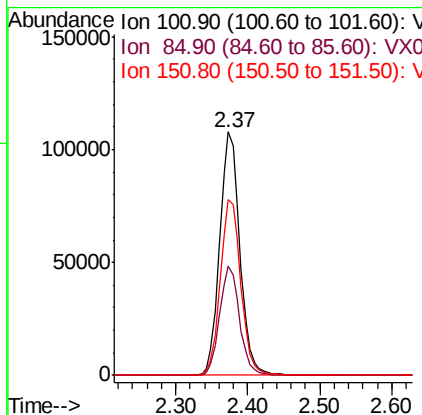
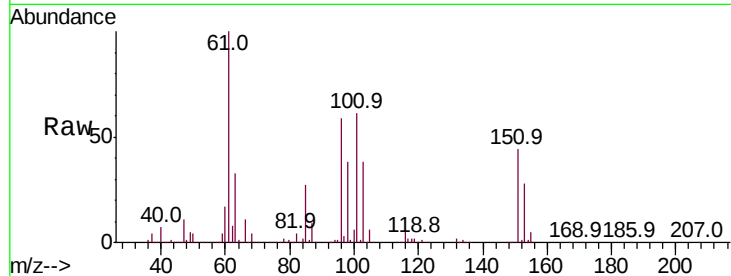
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	209663
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.8	50.6
151	73.7	69.1	103.7

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#10

Methyl Iodide

Concen: 88.324 ug/l

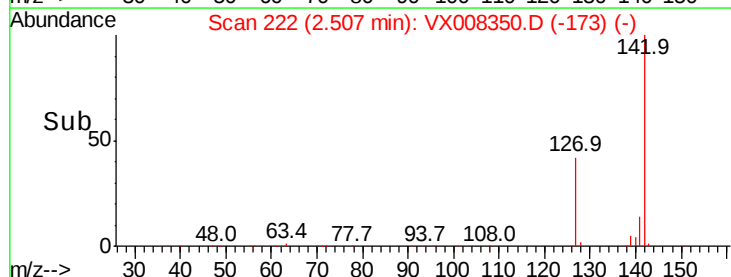
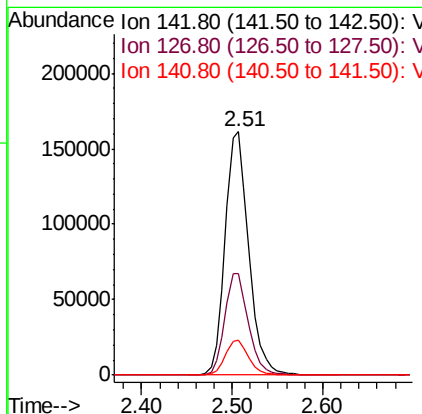
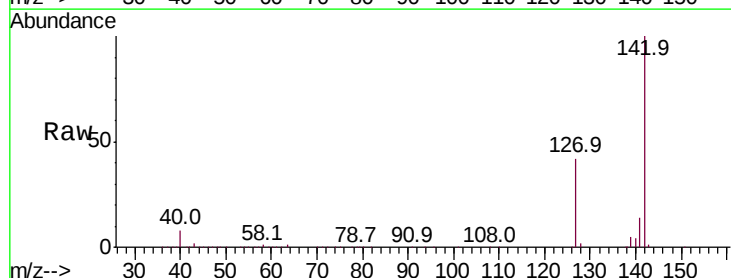
RT: 2.51 min Scan# 222

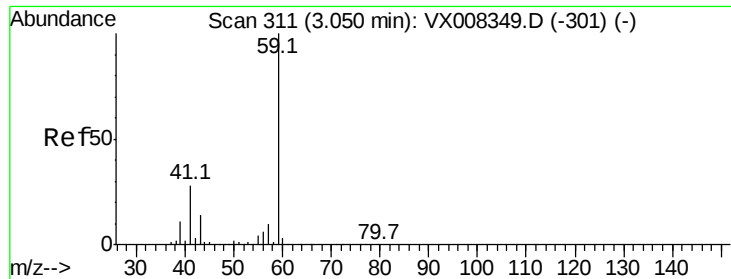
Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion:	142	Resp:	291123
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.1	48.1
141	14.3	11.4	17.2





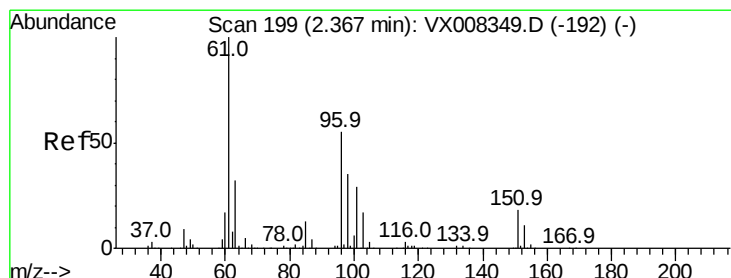
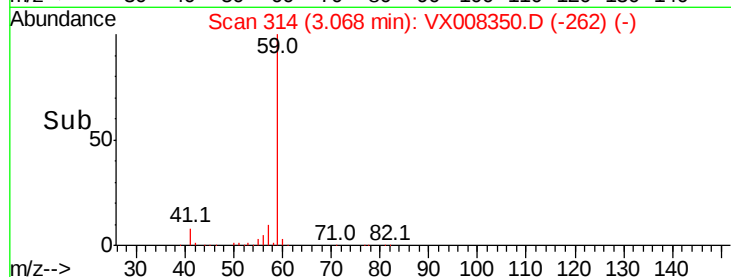
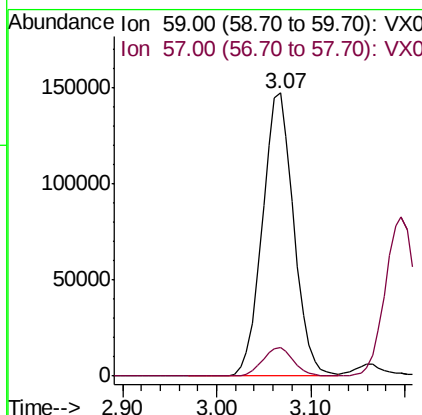
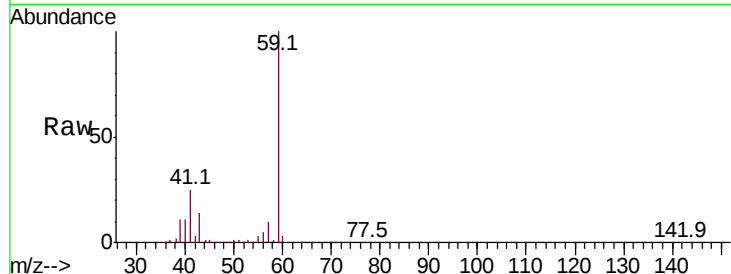
#11
Tert butyl alcohol
Concen: 528.575 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.02 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 343258
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

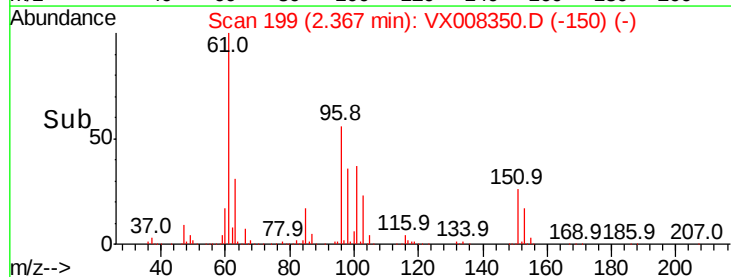
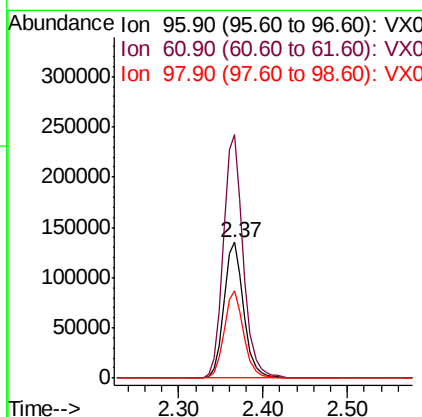
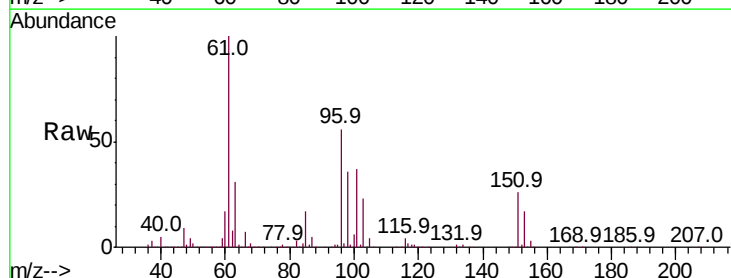
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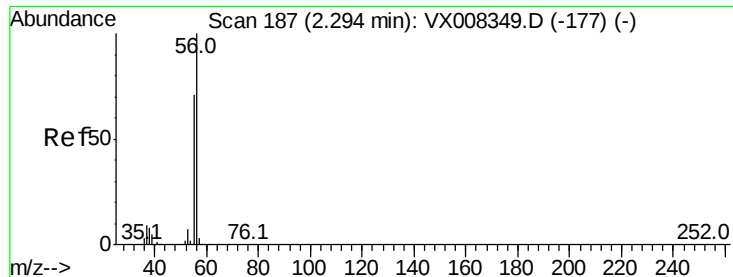
MMDadoda
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#12
1,1-Dichloroethene
Concen: 89.328 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion: 96 Resp: 218309
Ion Ratio Lower Upper
96 100
61 179.0 129.8 194.6
98 64.0 51.0 76.6





#13

Acrolein

Concen: 555.882 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 275149

Ion Ratio Lower Upper

56 100

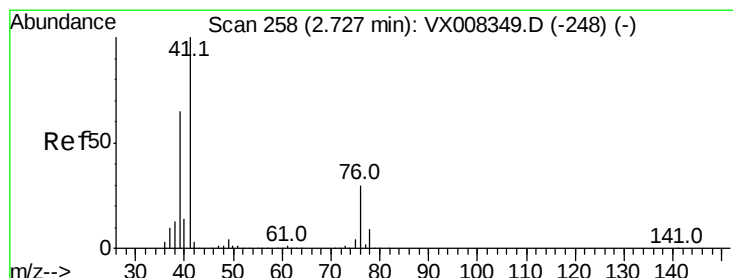
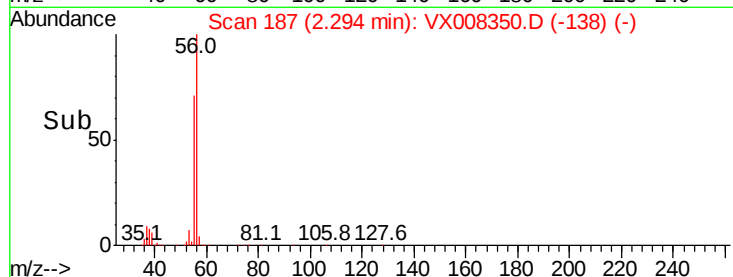
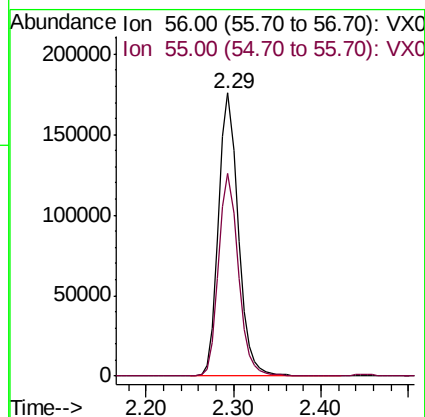
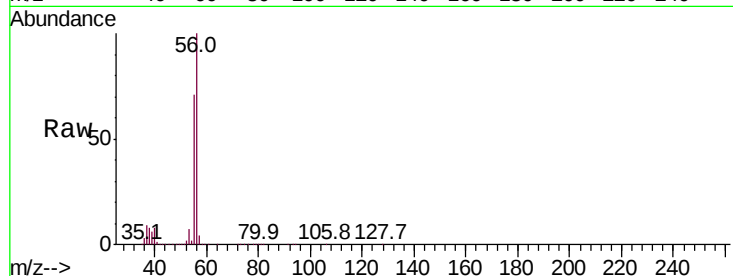
55 71.6 57.8 86.6

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#14

Allyl chloride

Concen: 93.624 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

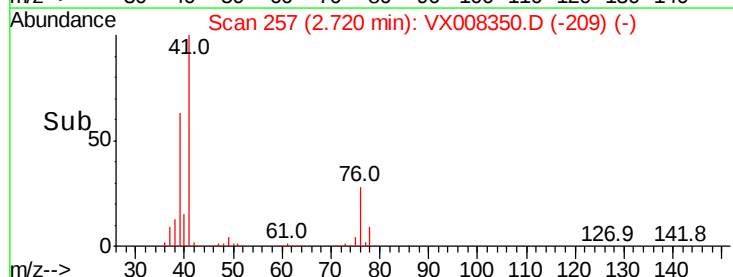
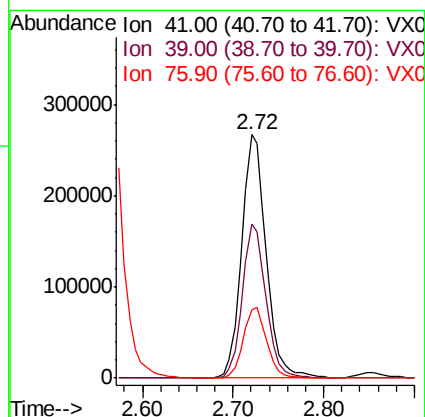
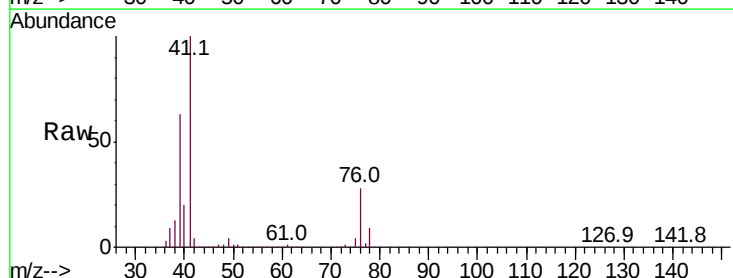
Tgt Ion: 41 Resp: 498086

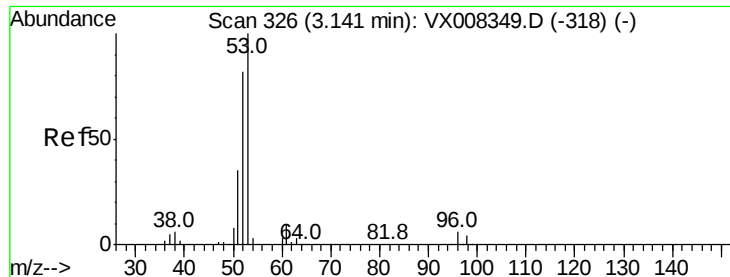
Ion Ratio Lower Upper

41 100

39 61.0 46.1 69.1

76 28.0 24.0 36.0





#15

Acrylonitrile

Concen: 488.781 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

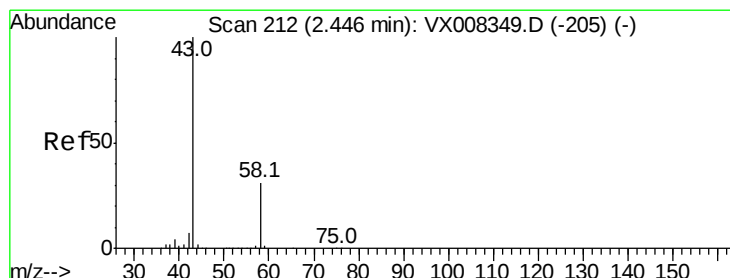
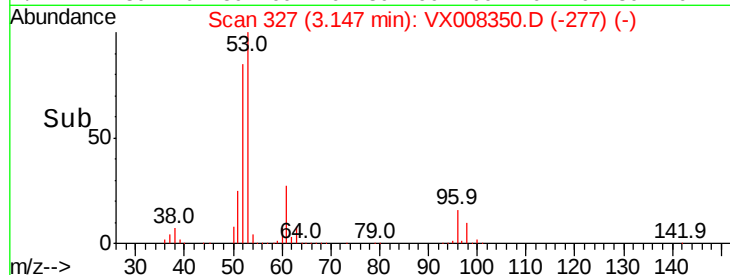
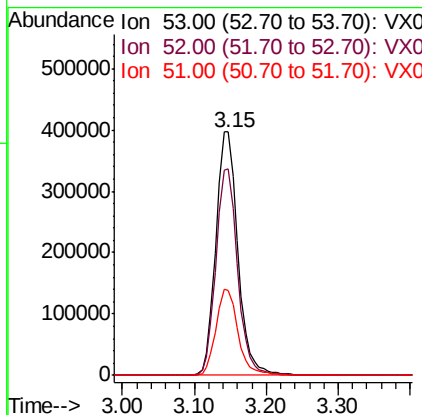
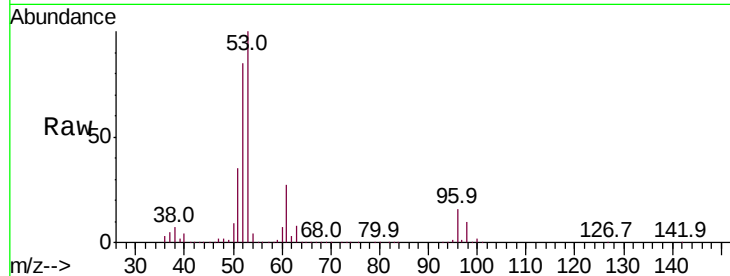
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	839571
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.0	99.0
51	35.7	28.0	42.0

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#16

Acetone

Concen: 427.713 ug/l

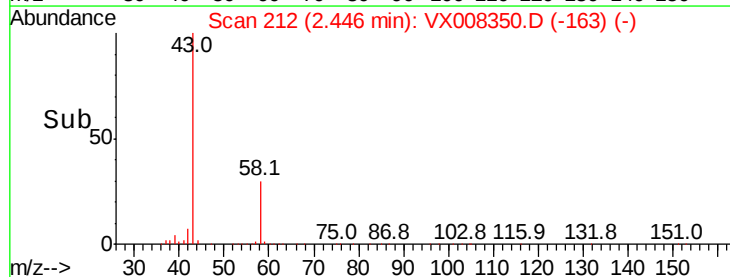
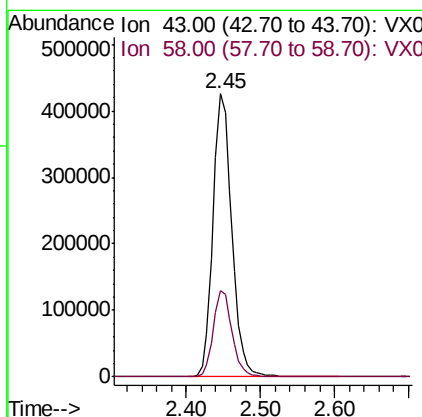
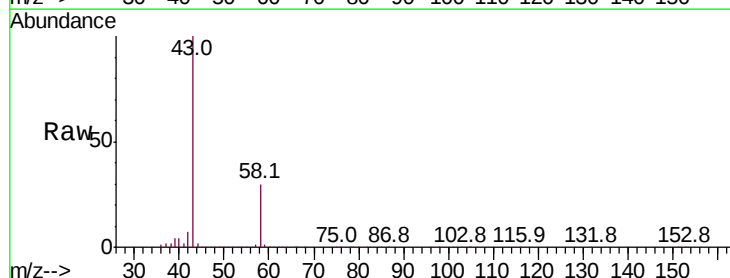
RT: 2.45 min Scan# 212

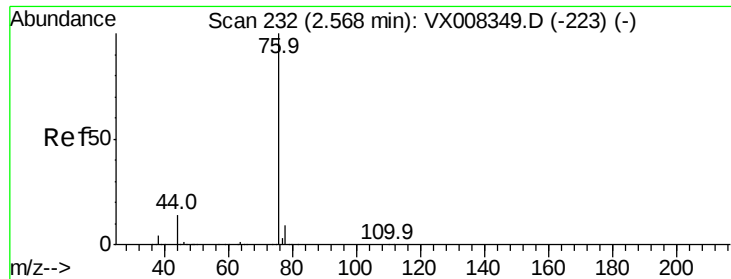
Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion:	43	Resp:	735885
Ion Ratio	Lower	Upper	
43	100		
58	30.4	25.5	38.3





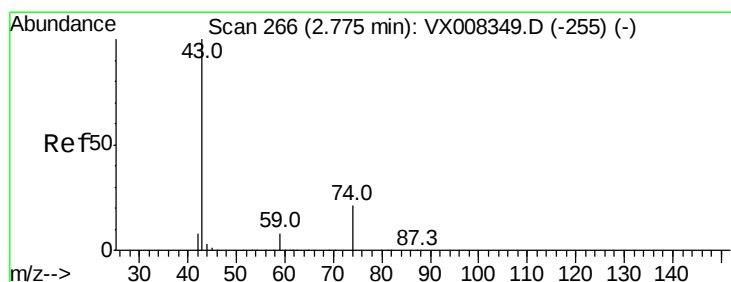
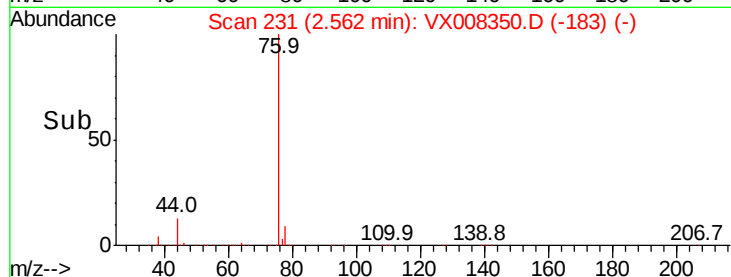
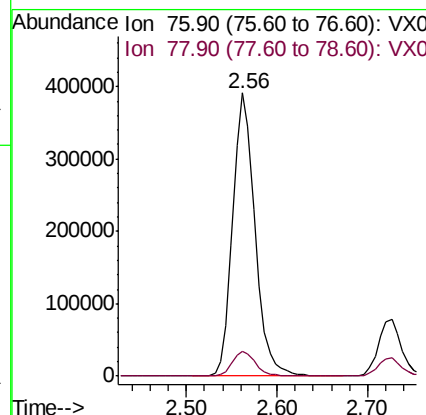
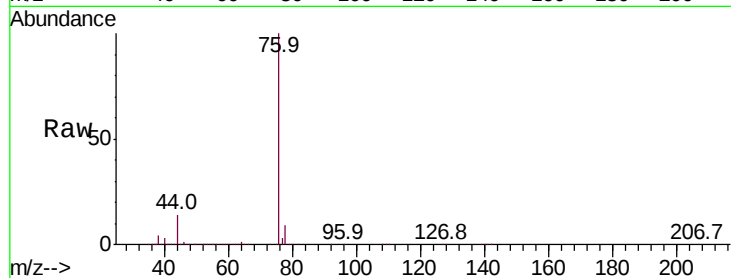
#17
Carbon Disulfide
Concen: 84.845 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

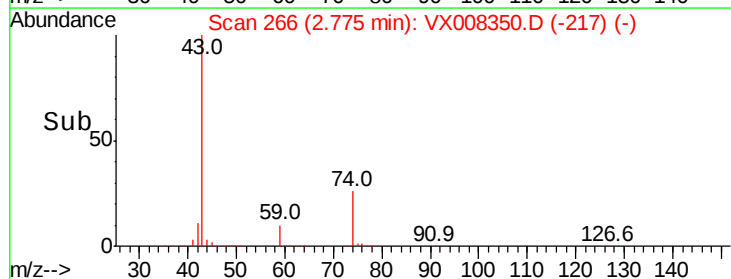
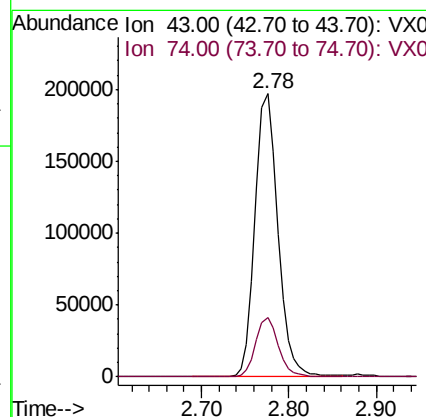
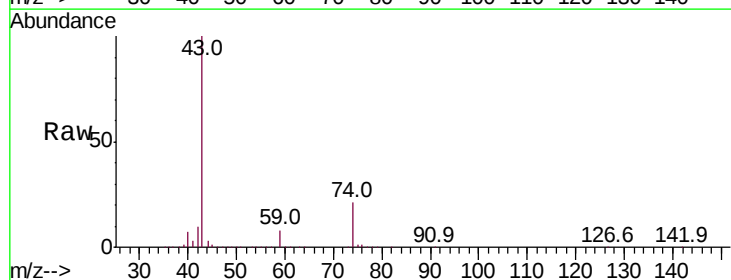
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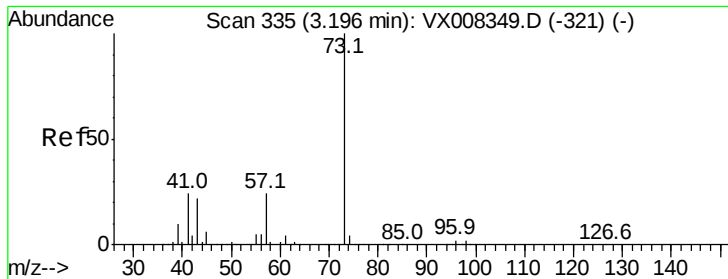
MMDadoda
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#18
Methyl Acetate
Concen: 89.978 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.8	26.6





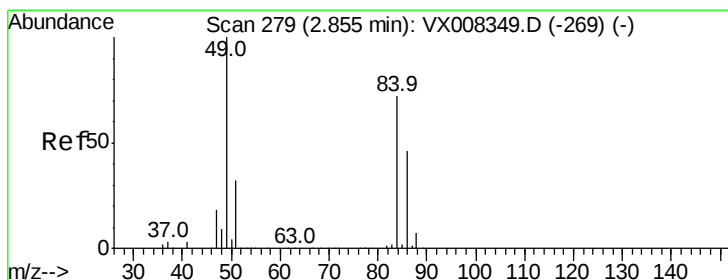
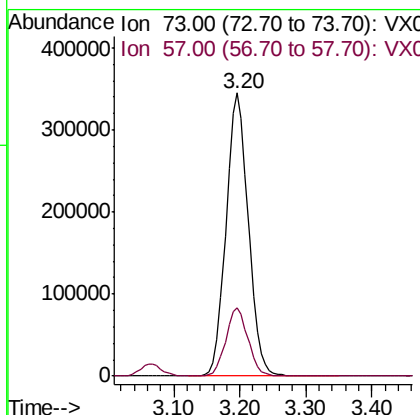
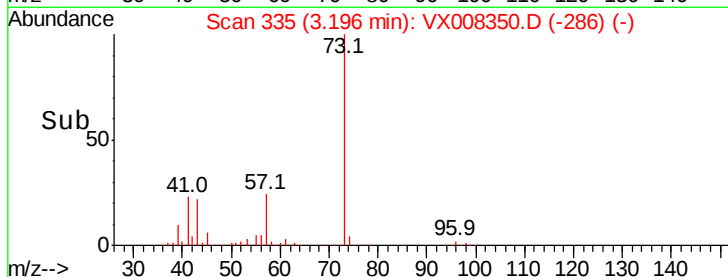
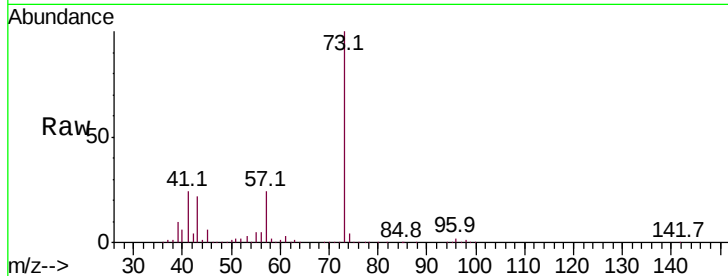
#19
Methvl tert-butvl Ether
Concen: 90.669 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 801199
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4

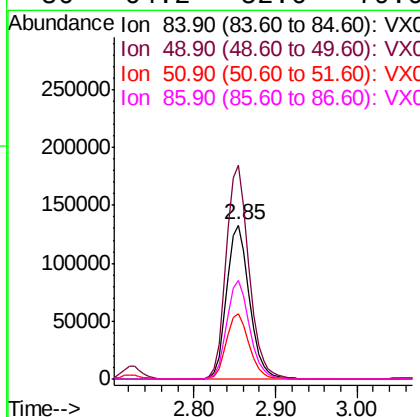
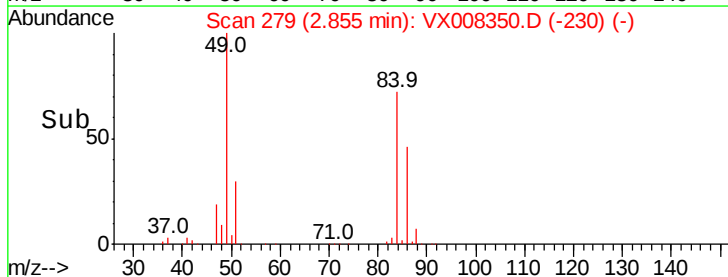
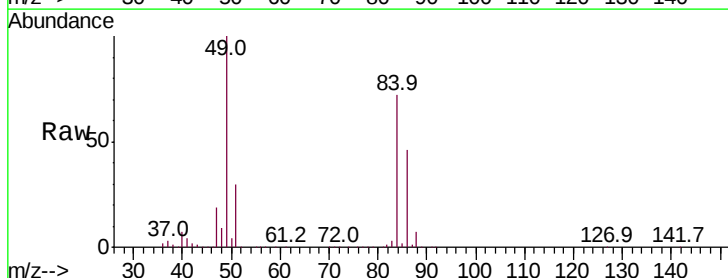
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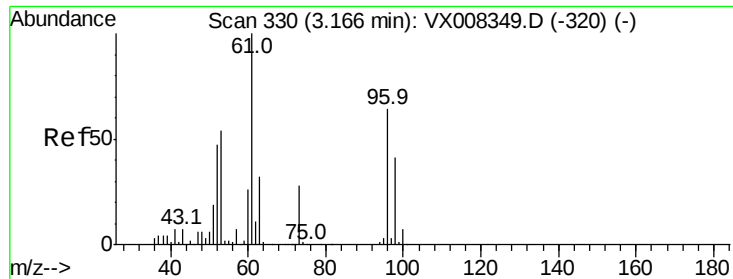
MMDadoda
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#20
Methylene Chloride
Concen: 88.926 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion: 84 Resp: 255128
Ion Ratio Lower Upper
84 100
49 138.5 99.3 148.9
51 42.1 31.3 46.9
86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 87.632 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 231365

Ion Ratio Lower Upper

96 100

61 155.6 114.4 171.6

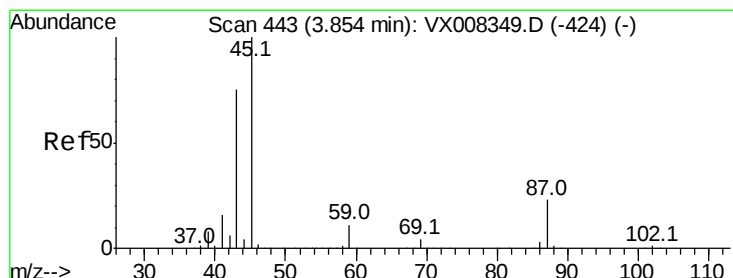
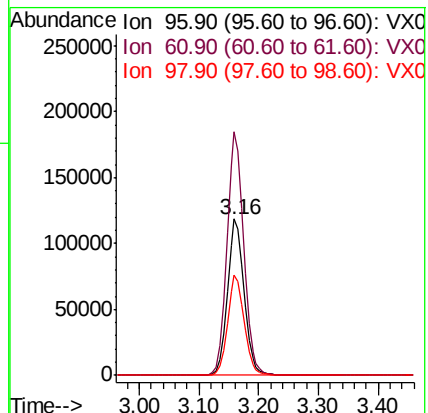
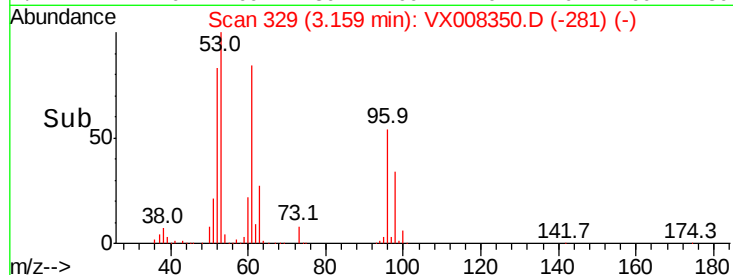
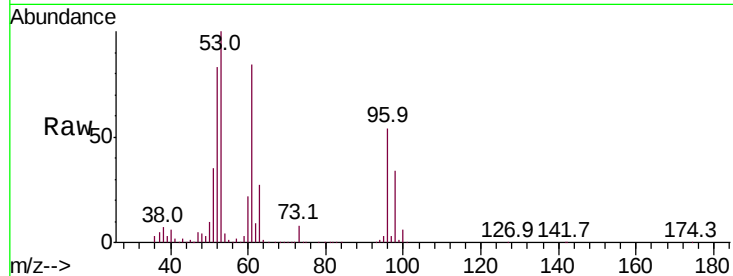
98 63.7 51.1 76.7

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#22

Diisopropyl ether

Concen: 91.928 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion: 45 Resp: 957840

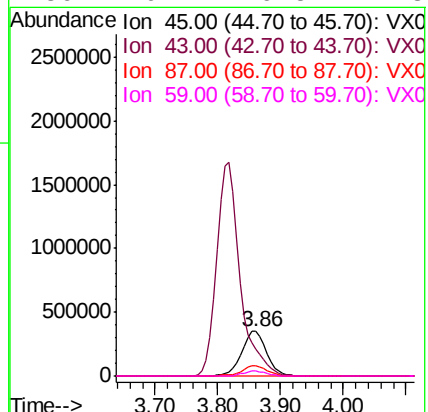
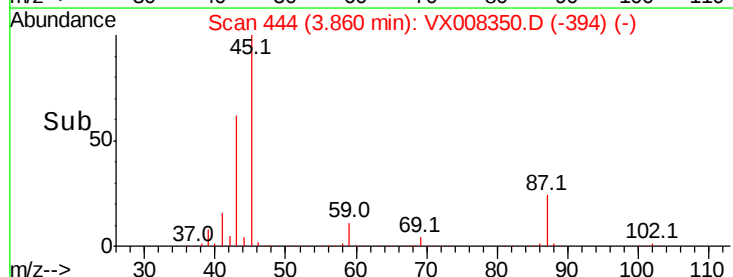
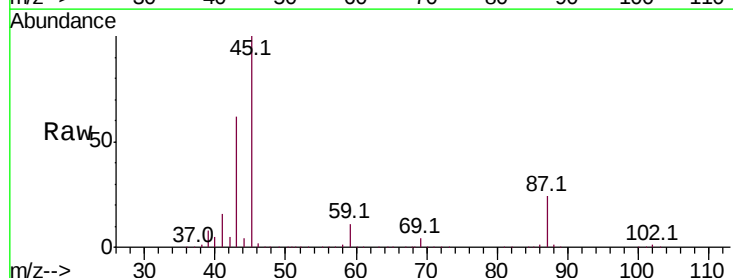
Ion Ratio Lower Upper

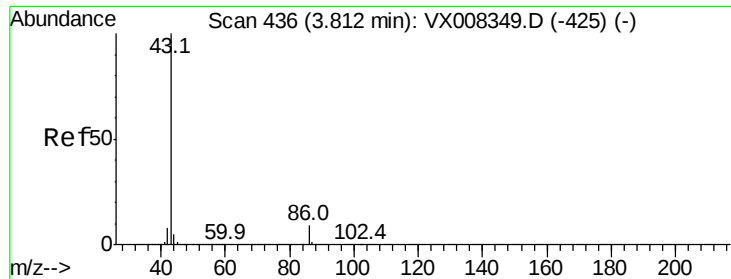
45 100

43 61.5 45.3 67.9

87 23.6 21.4 32.0

59 10.7 9.5 14.3





#23

Vinyl Acetate

Concen: 485.942 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4340958

Ion Ratio Lower Upper

43 100

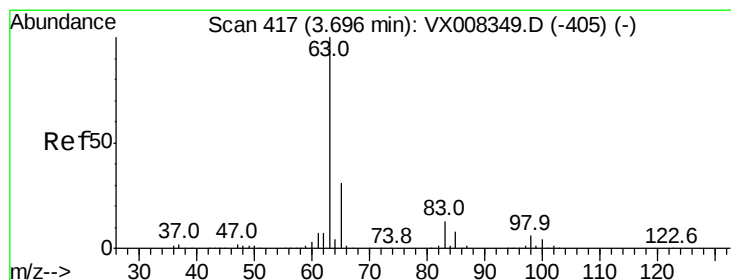
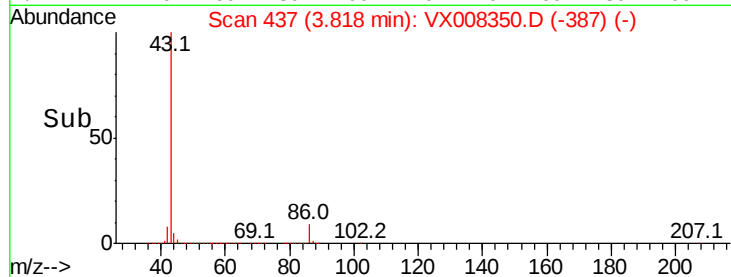
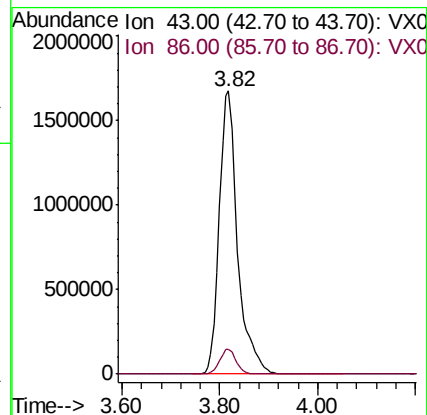
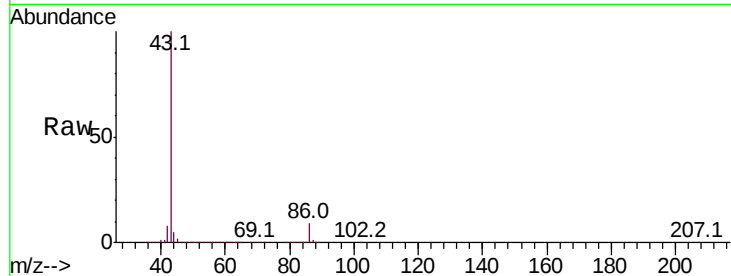
86 9.0 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 89.590 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

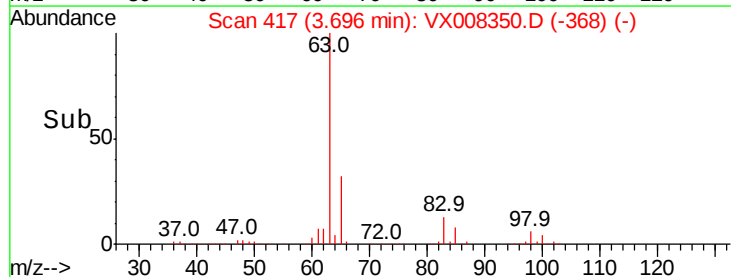
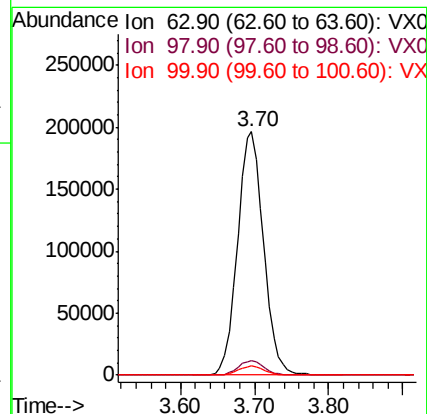
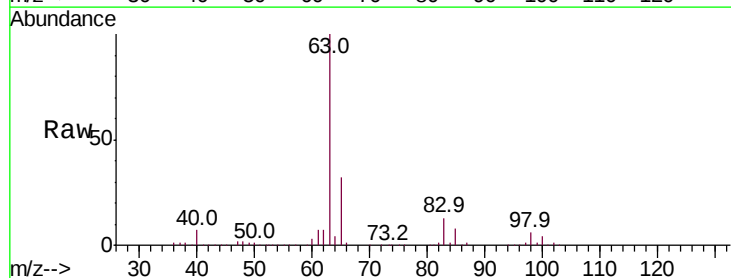
Tgt Ion: 63 Resp: 480107

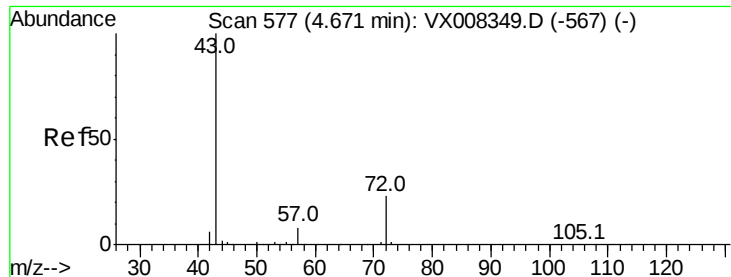
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 487.778 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1238815

Ion Ratio Lower Upper

43 100

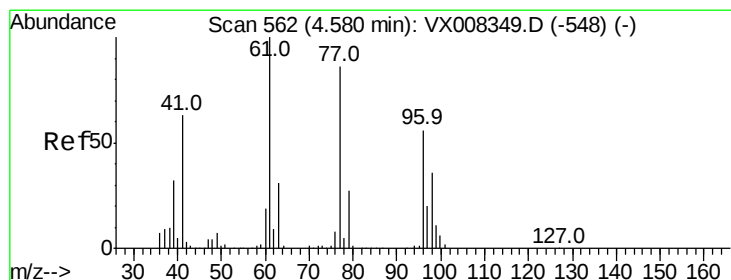
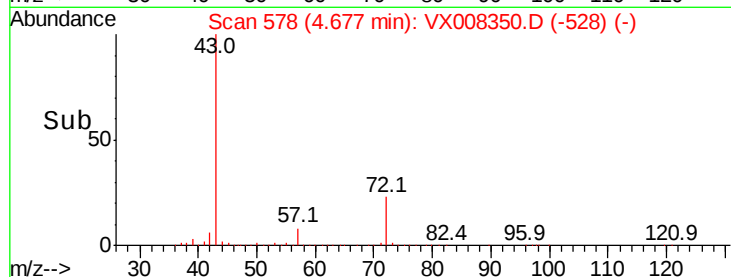
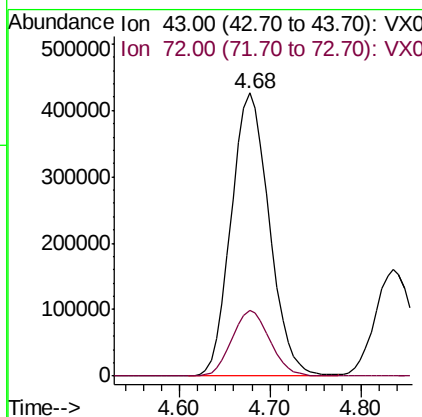
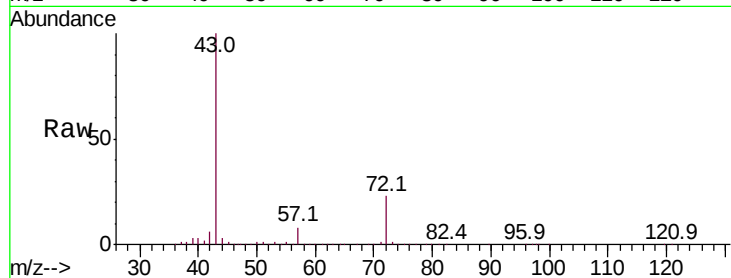
72 23.3 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 81.776 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX008350.D

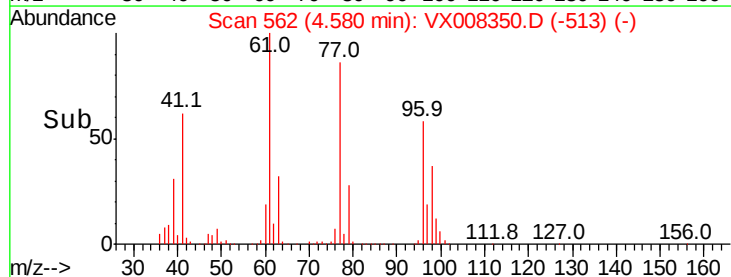
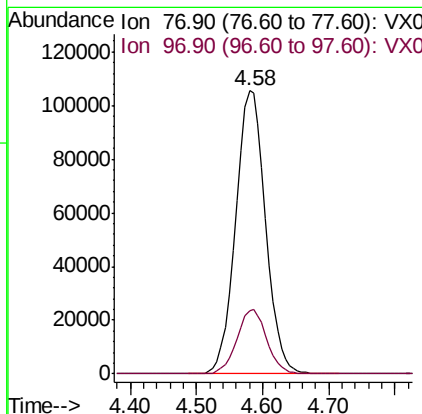
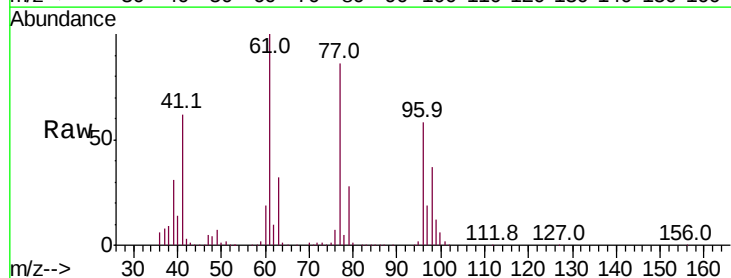
Acq: 23 Mar 2019 14:42

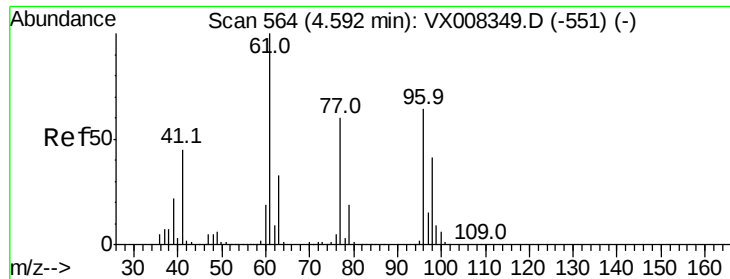
Tgt Ion: 77 Resp: 330131

Ion Ratio Lower Upper

77 100

97 22.7 12.2 36.6





#27

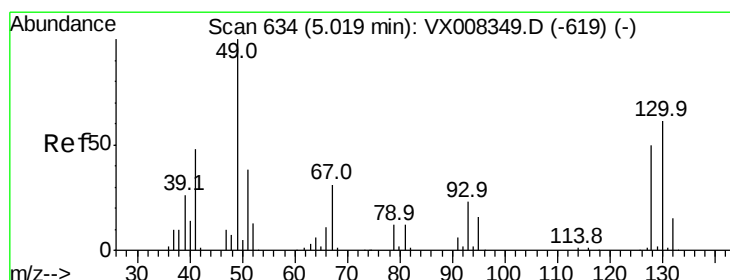
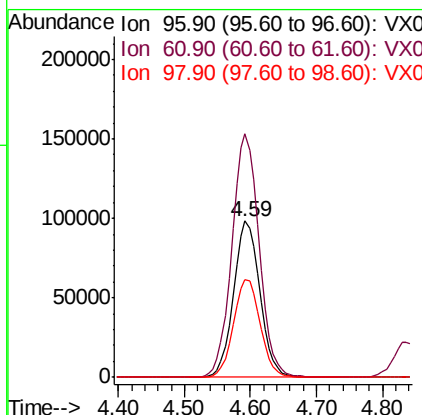
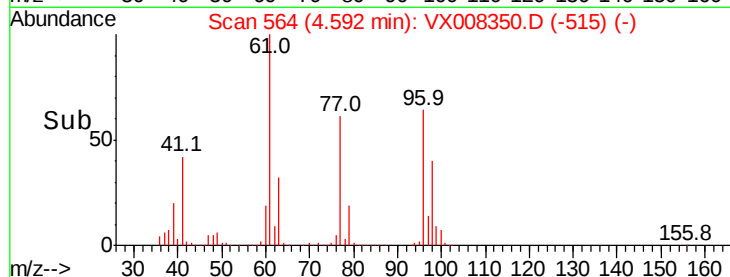
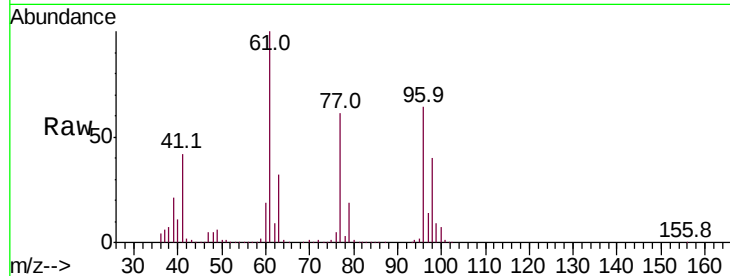
cis-1,2-Dichloroethene
Concen: 90.002 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	288.0
98	63.7	0.0	129.0

Manual Integrations
APPROVED

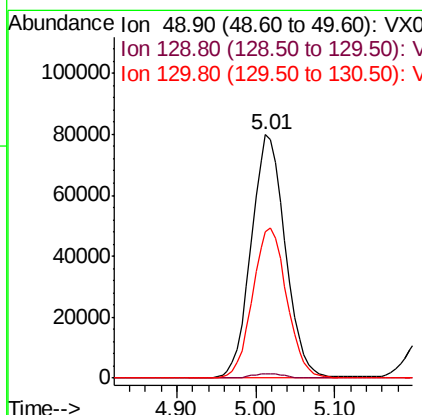
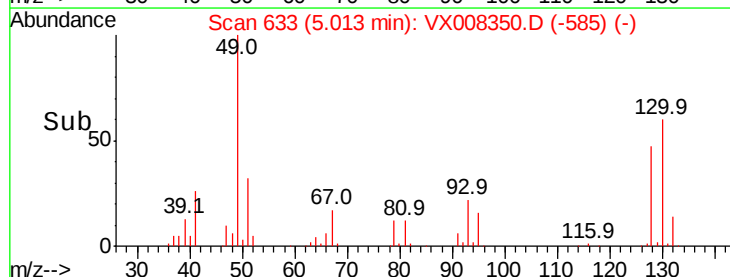
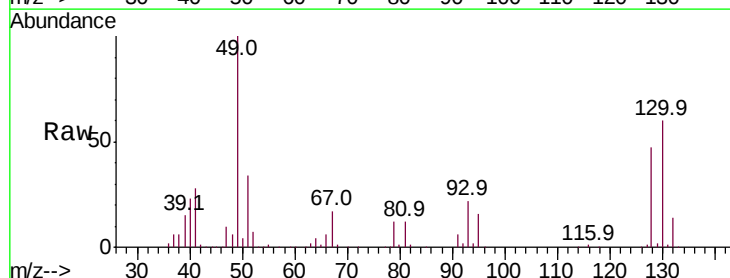
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3/25/2019 11:16:50 AM

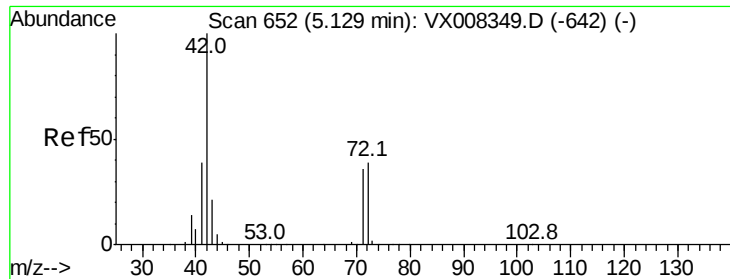


#28

Bromochloromethane
Concen: 99.770 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	61.7	65.0	97.4#





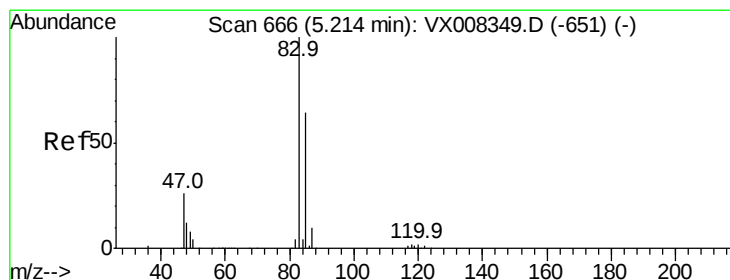
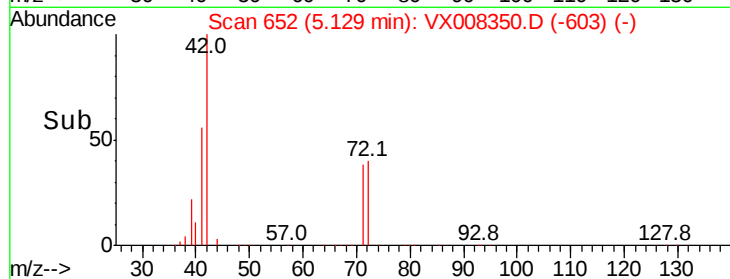
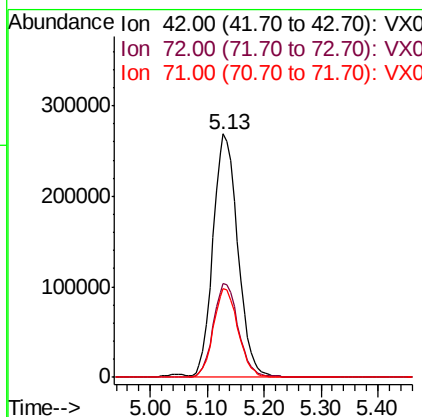
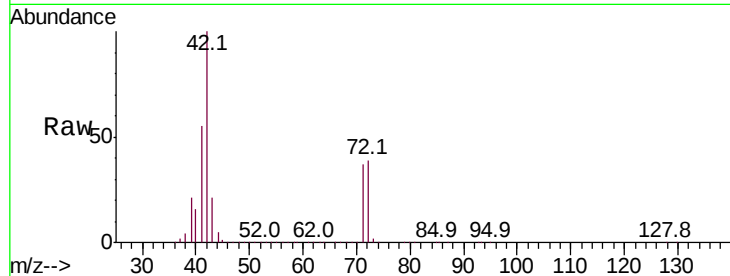
#29
Tetrahydrofuran
Concen: 512.605 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	33.8	50.6
71	36.4	31.5	47.3

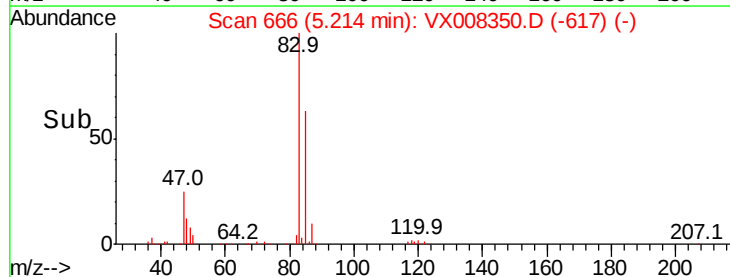
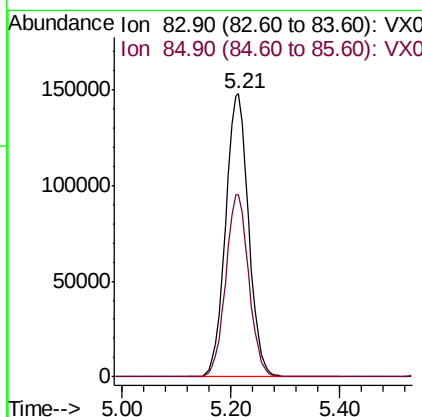
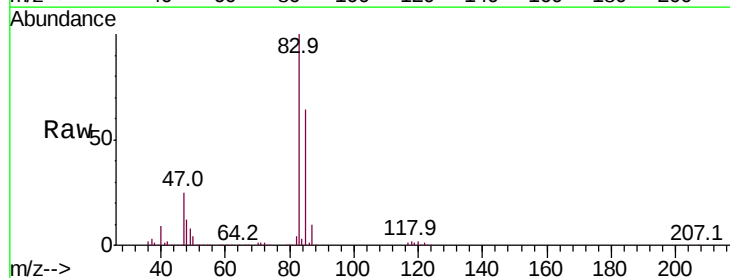
Manual Integrations
APPROVED

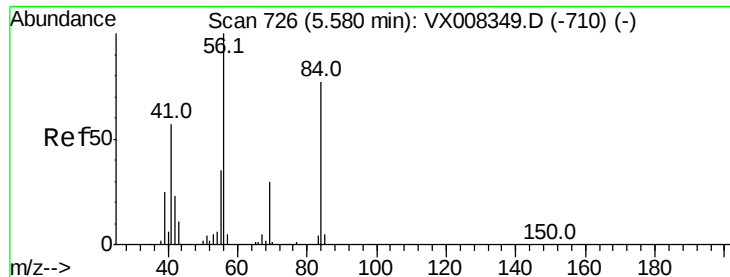
MMDadoda
3/25/2019 11:16:50 AM



#30
Chloroform
Concen: 86.875 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





#31

Cyclohexane

Concen: 91.168 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion: 56 Resp: 458778

Ion Ratio Lower Upper

56 100

69 29.3 24.0 36.0

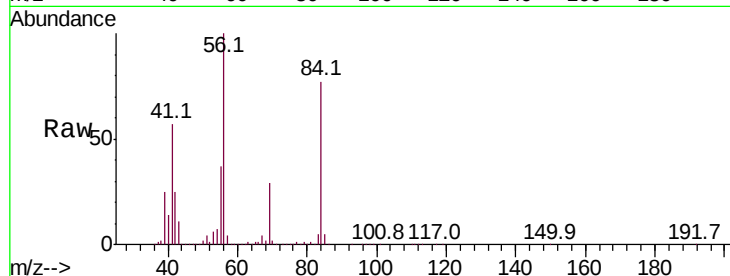
84 75.9 65.3 97.9

Manual Integrations

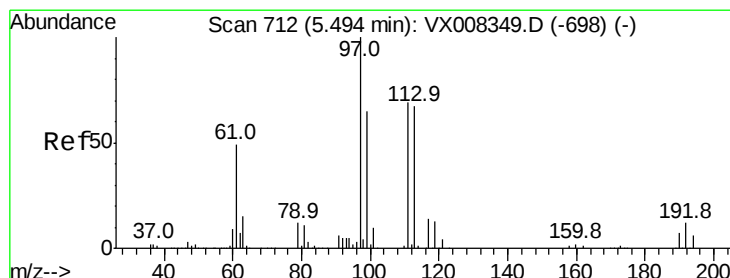
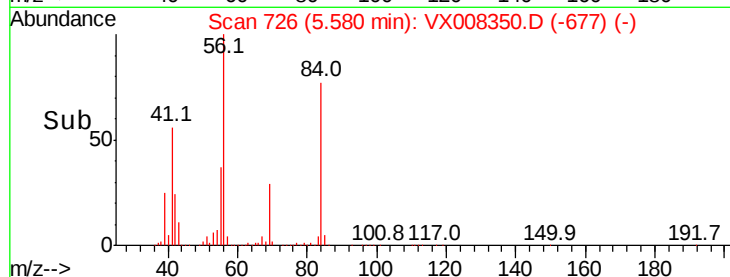
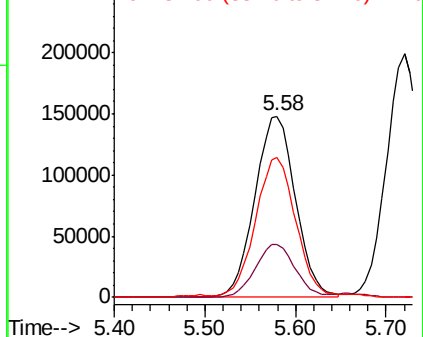
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 85.448 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

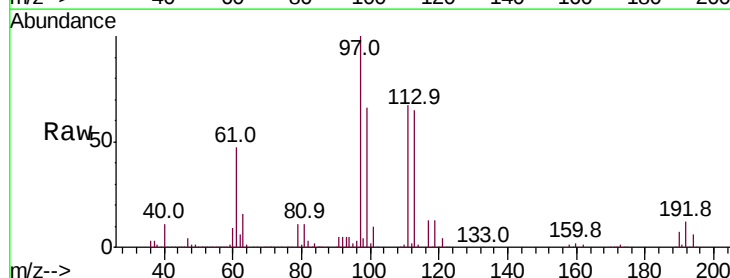
Tgt Ion: 97 Resp: 356315

Ion Ratio Lower Upper

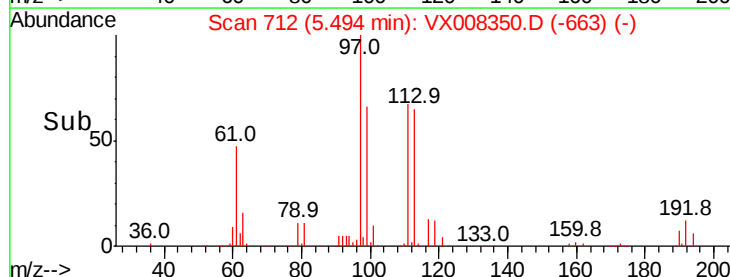
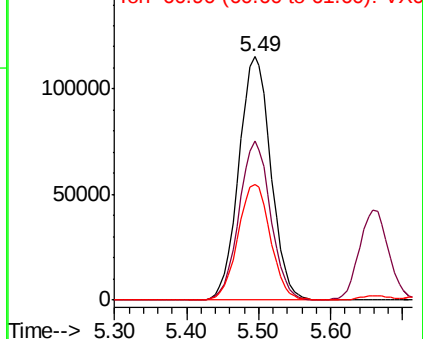
97 100

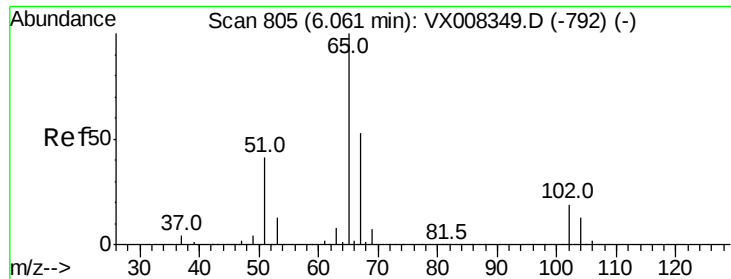
99 64.4 52.2 78.2

61 48.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 96.058 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 291396

Ion Ratio Lower Upper

65 100

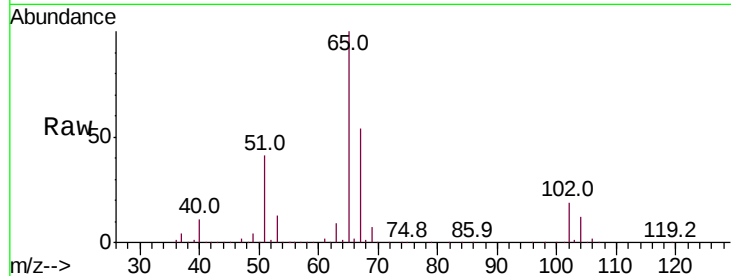
67 54.4 0.0 110.0

Manual Integrations

APPROVED

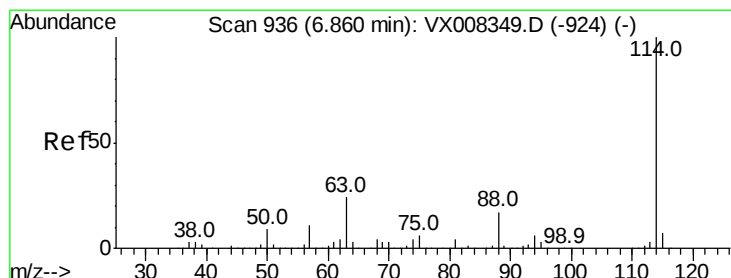
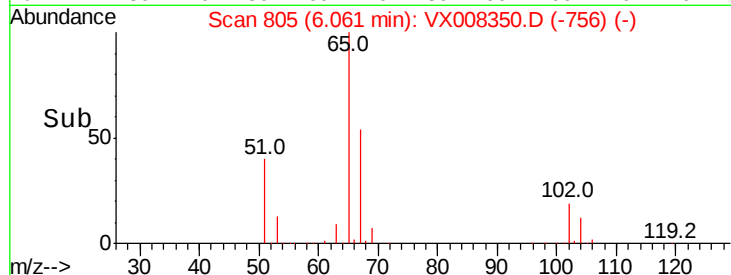
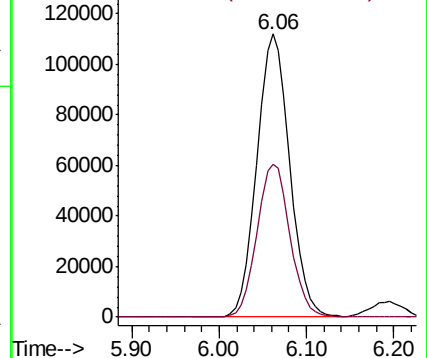
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

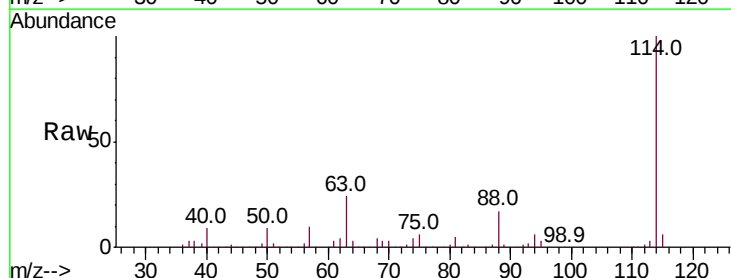
Tgt Ion:114 Resp: 348617

Ion Ratio Lower Upper

114 100

63 24.1 0.0 39.8

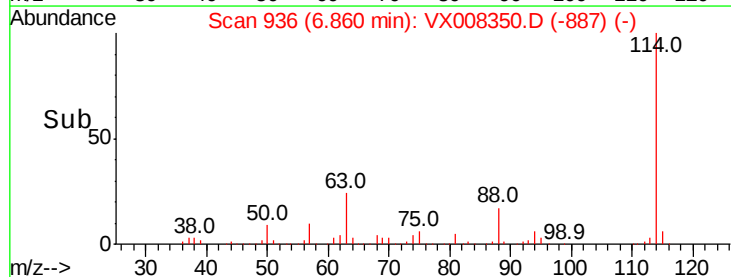
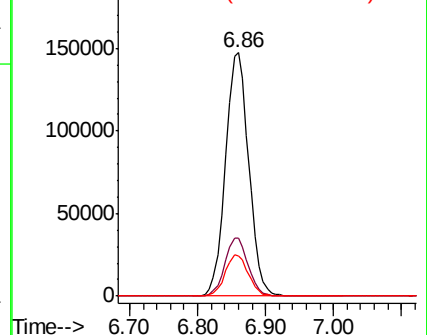
88 16.6 0.0 31.4

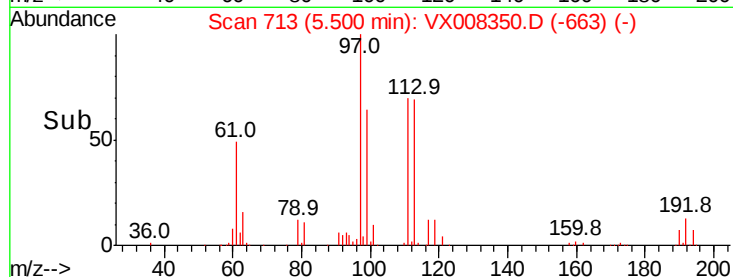
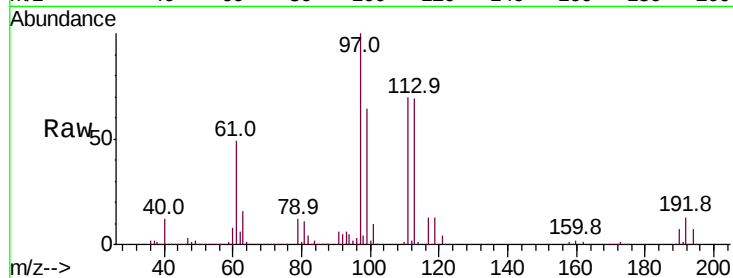
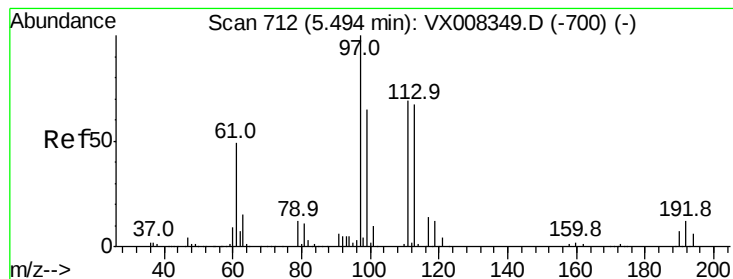


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 93.788 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008350.D

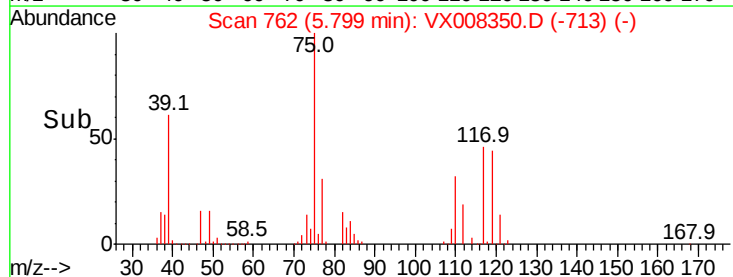
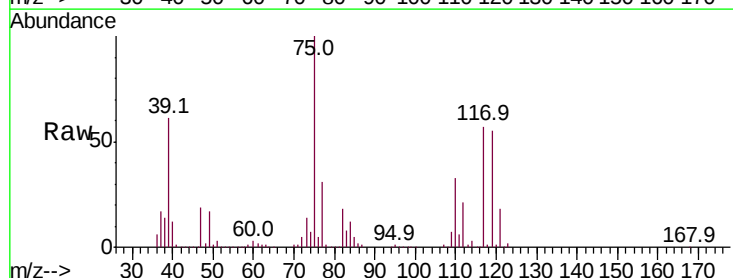
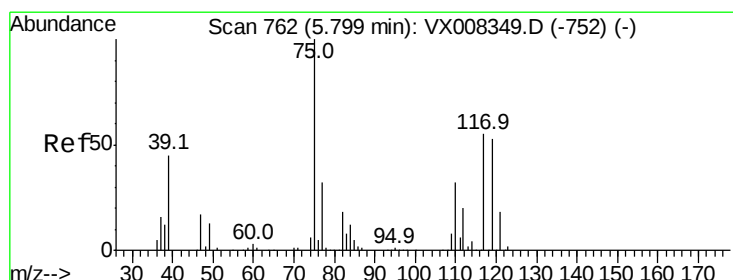
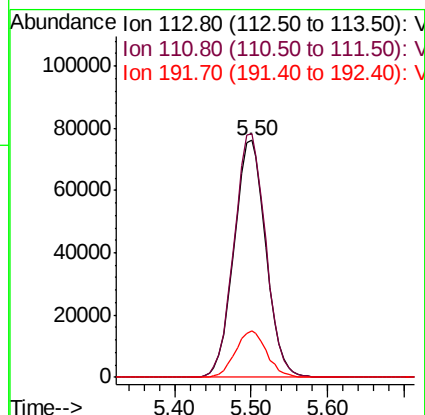
Acq: 23 Mar 2019 14:42

Tot Ion:	113	Resp:	218879
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	19.2	19.4	29.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

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#36

1,1-Dichloropropene

Concen: 85.030 ug/l

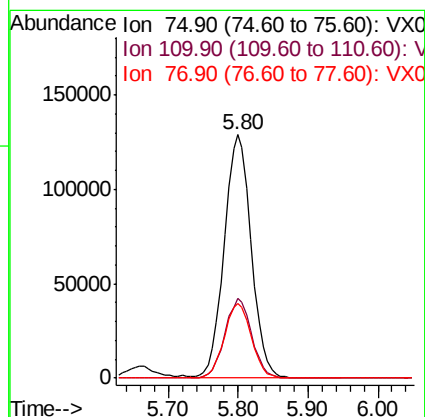
RT: 5.80 min Scan# 762

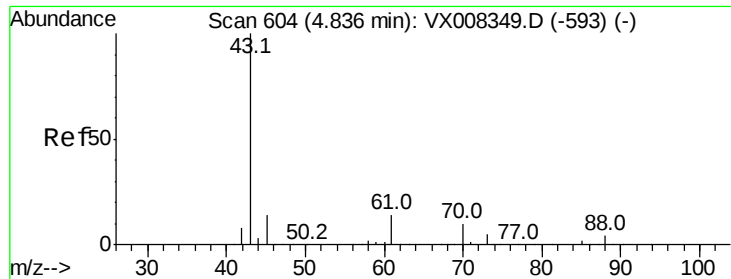
Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion:	75	Resp:	345121
Ion Ratio	Lower	Upper	
75	100		
110	32.6	18.4	55.0
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 98.132 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008350.D

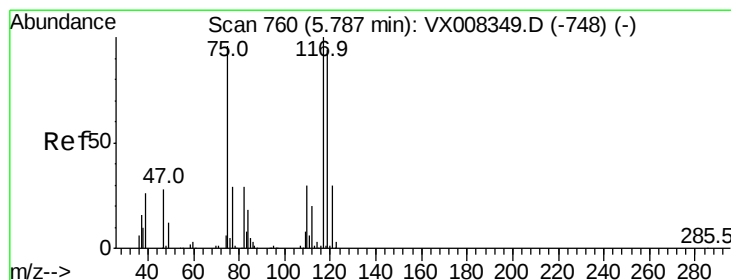
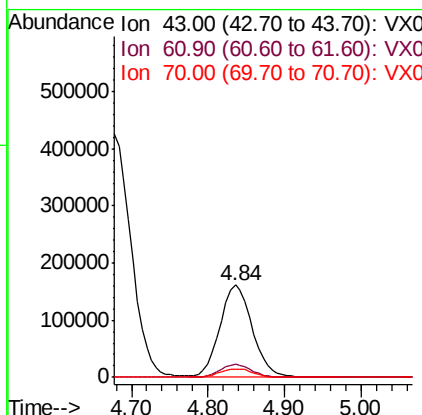
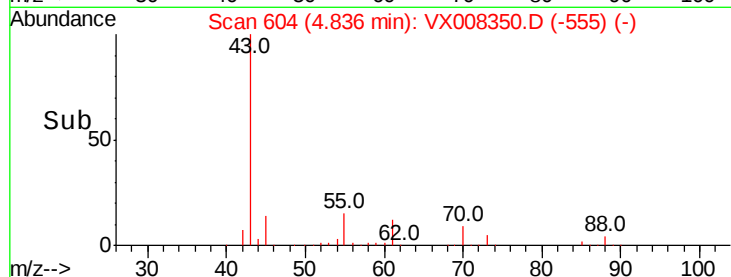
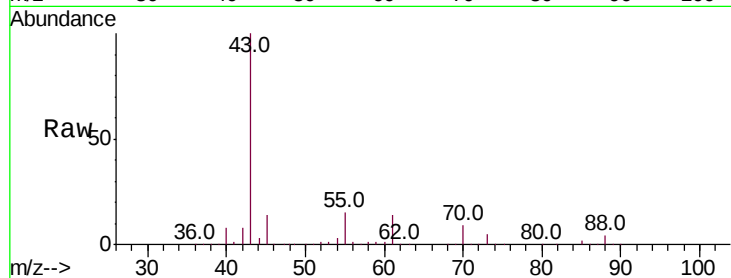
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	9.7	8.5	12.7

Manual Integrations
APPROVED

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#38

Carbon Tetrachloride

Concen: 82.493 ug/l

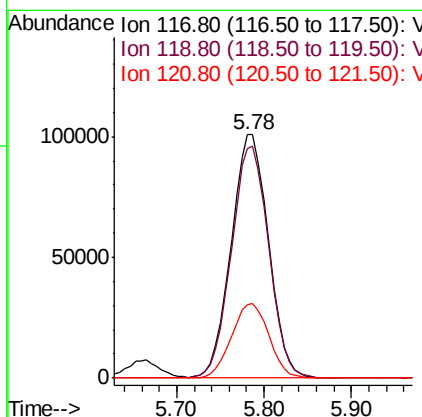
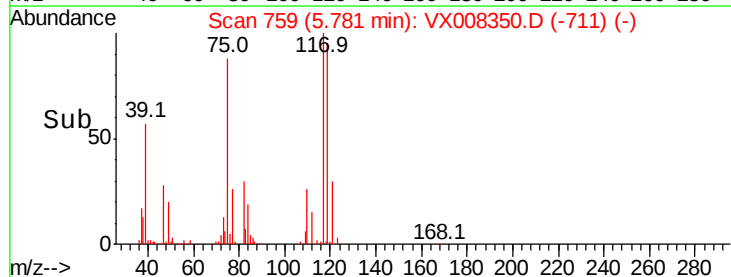
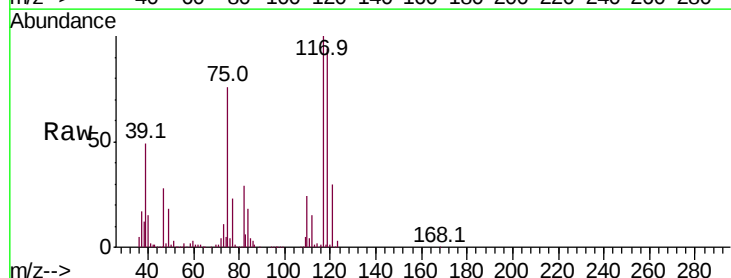
RT: 5.78 min Scan# 759

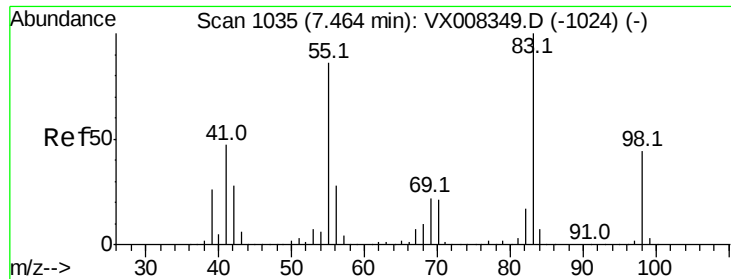
Delta R.T. -0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.2	114.2
121	30.0	24.6	36.8





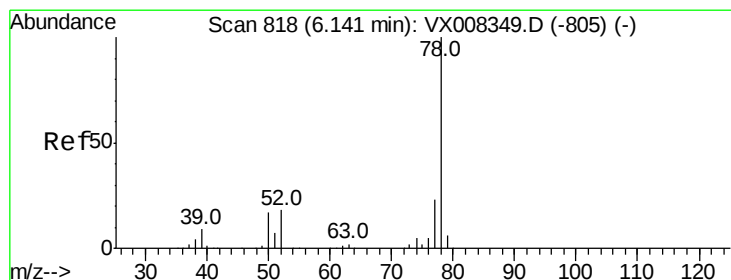
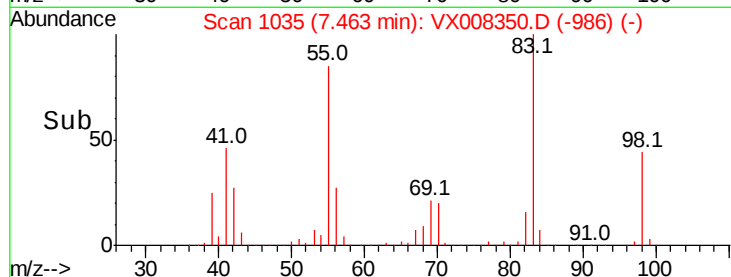
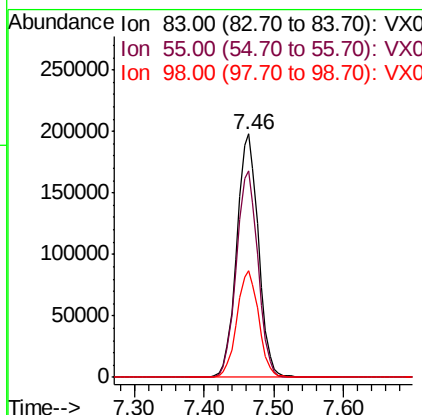
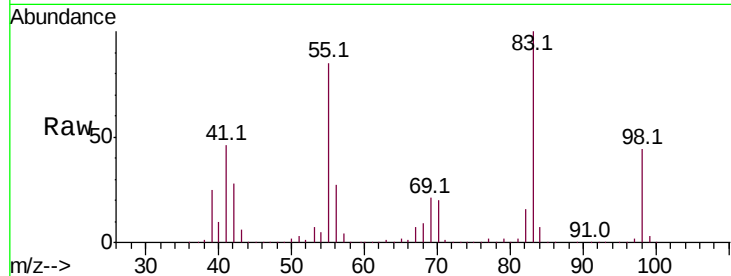
#39
Methvlcvclohexane
Concen: 86.999 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	60.4	90.6
98	43.8	36.5	54.7

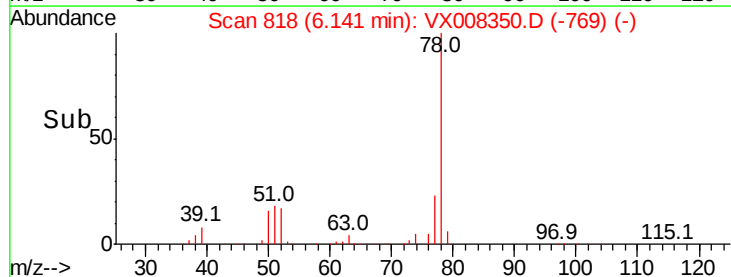
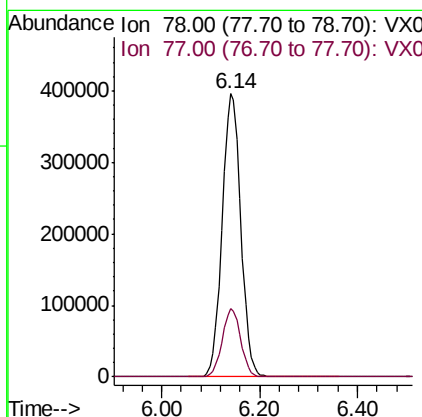
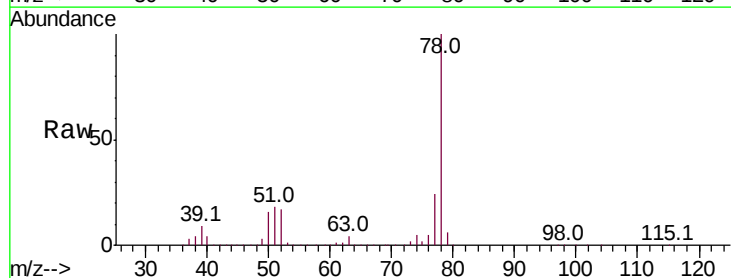
Manual Integrations
APPROVED

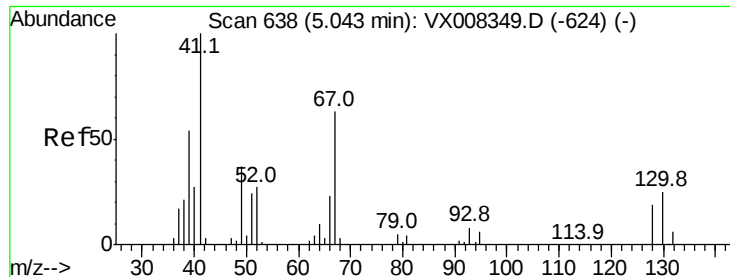
MMDadoda
3/25/2019 11:16:50 AM



#40
Benzene
Concen: 86.793 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





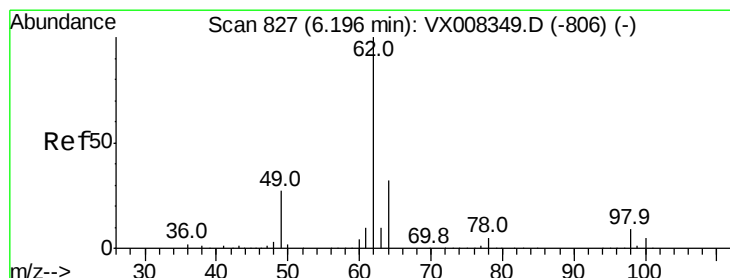
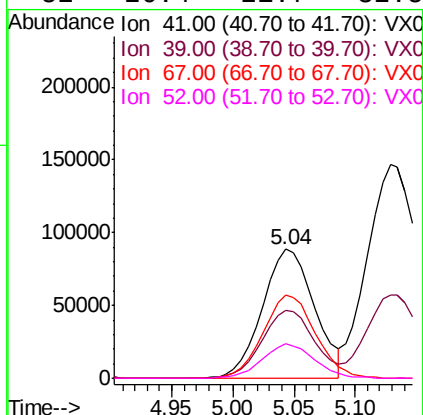
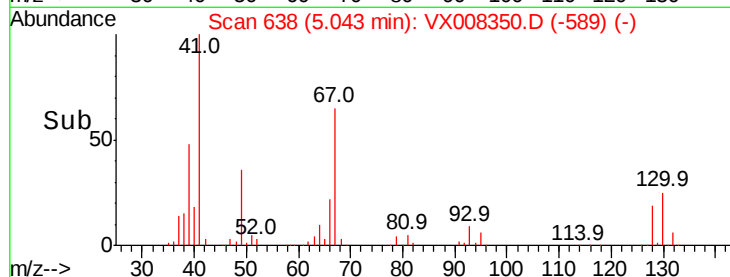
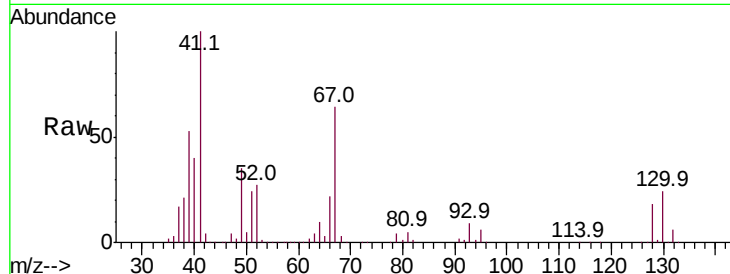
#41
Methacrylonitrile
Concen: 97.631 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.6	62.4
67	65.0	55.8	83.6
52	26.4	21.7	32.5

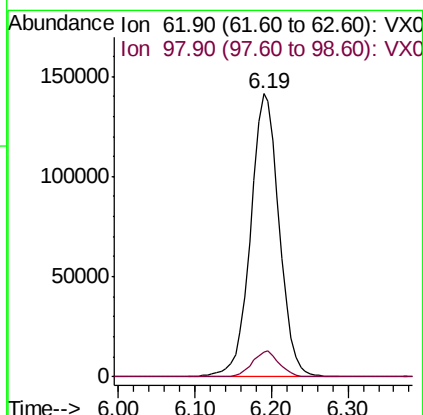
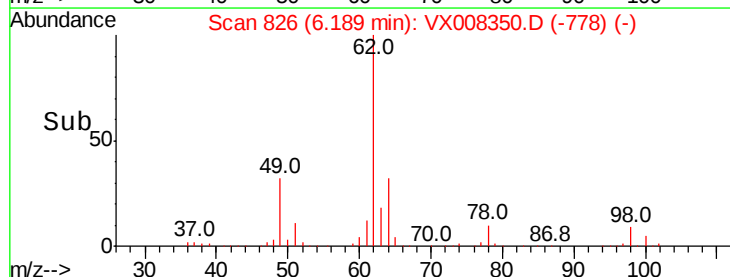
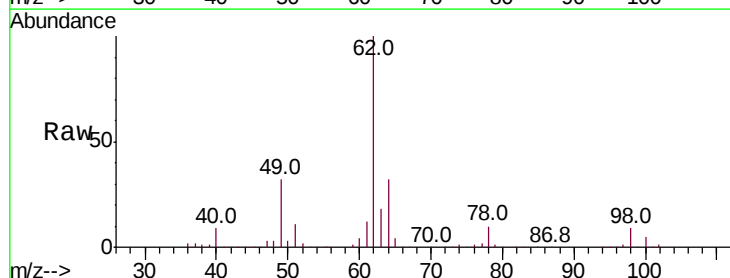
Manual Integrations
APPROVED

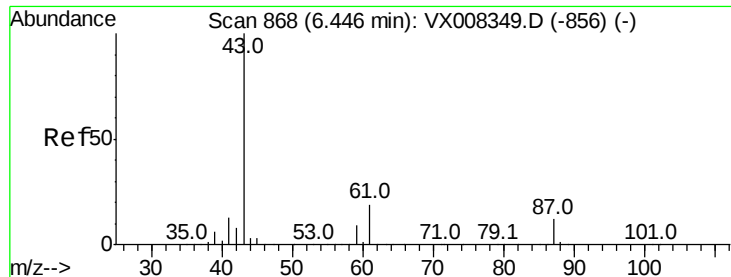
MMDadoda
3/25/2019 11:16:50 AM



#42
1,2-Dichloroethane
Concen: 83.445 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	20.4





#43

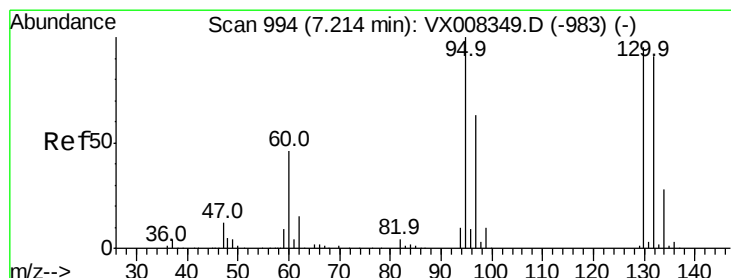
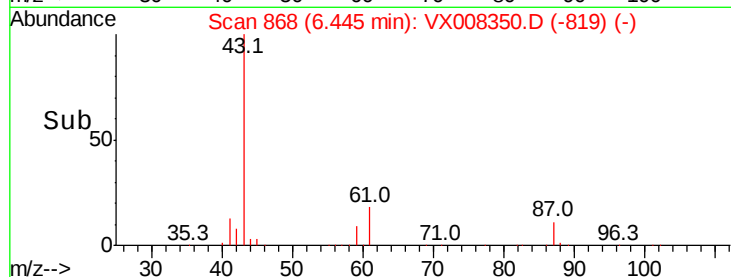
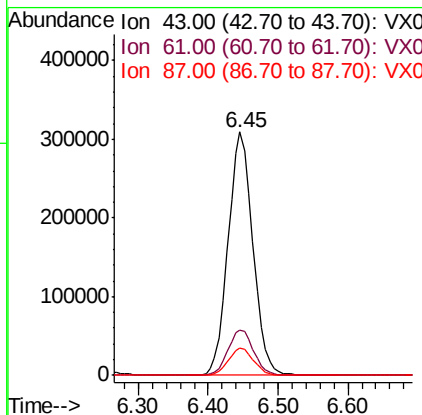
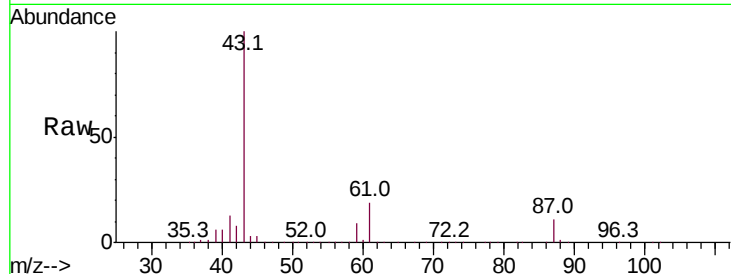
Isopropyl Acetate
 Concen: 98.384 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008350.D
 Acq: 23 Mar 2019 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.3	24.5
87	11.3	10.5	15.7

Manual Integrations
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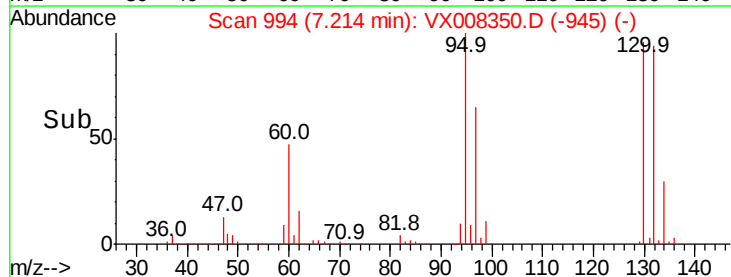
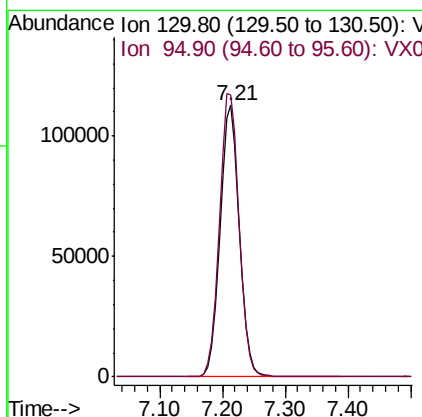
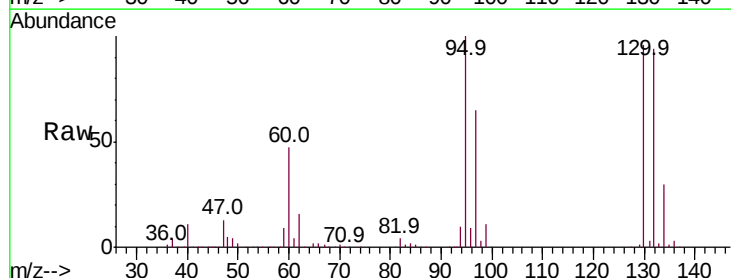
MMDadoda
 3/25/2019 11:16:50 AM

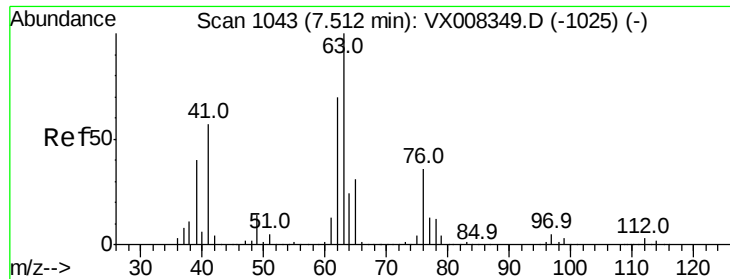


#44

Trichloroethene
 Concen: 81.368 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008350.D
 Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 87.923 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 295684

Ion Ratio Lower Upper

63 100

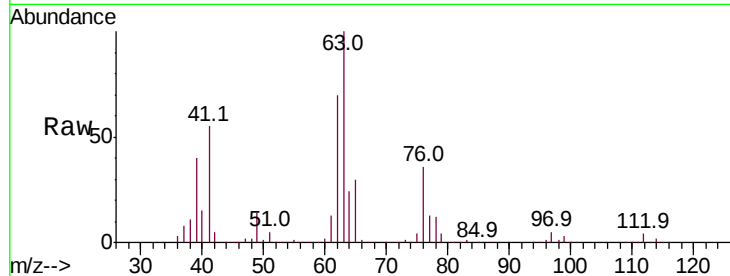
65 30.3 24.7 37.1

Manual Integrations

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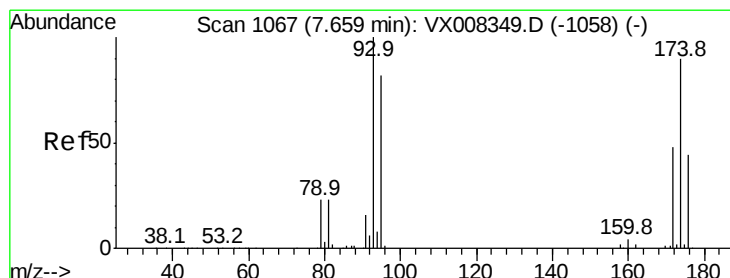
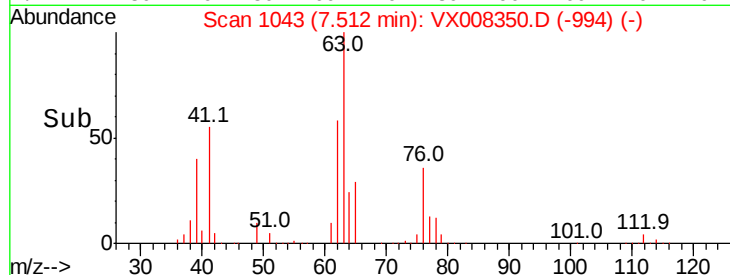
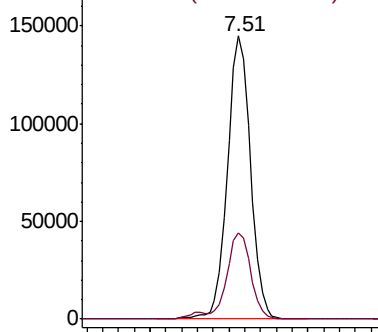
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 84.397 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

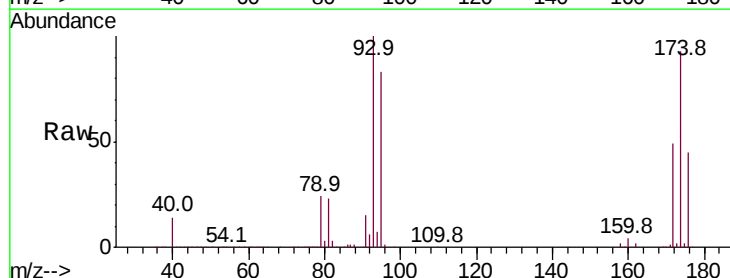
Tgt Ion: 93 Resp: 171846

Ion Ratio Lower Upper

93 100

95 83.2 66.8 100.2

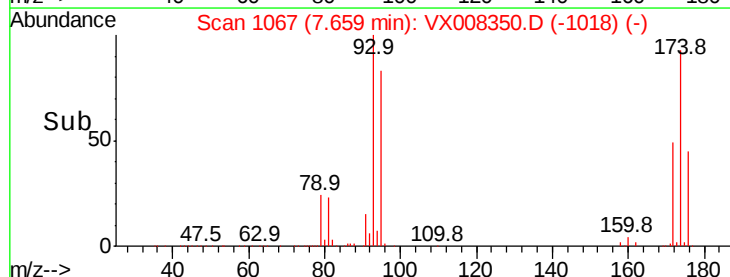
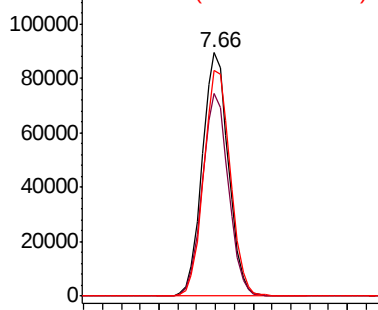
174 94.1 97.3 145.9#

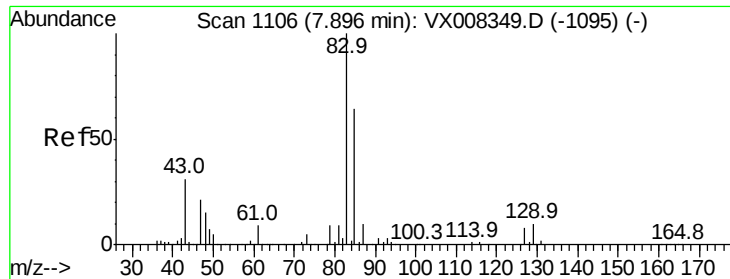


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 89.787 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

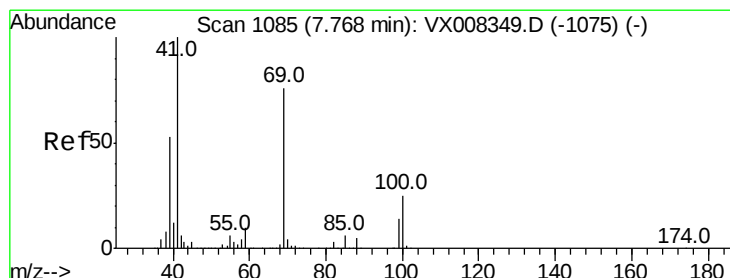
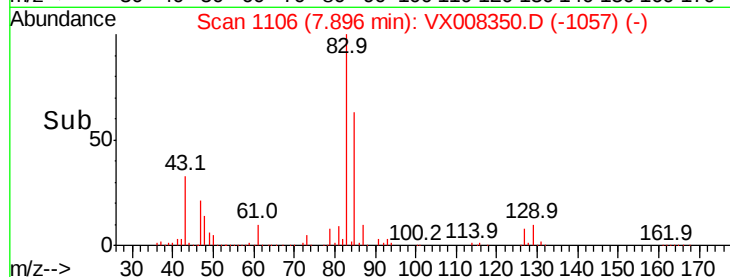
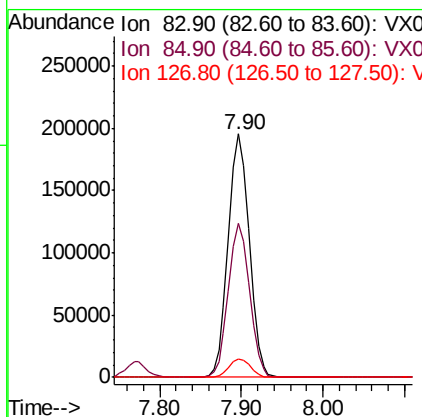
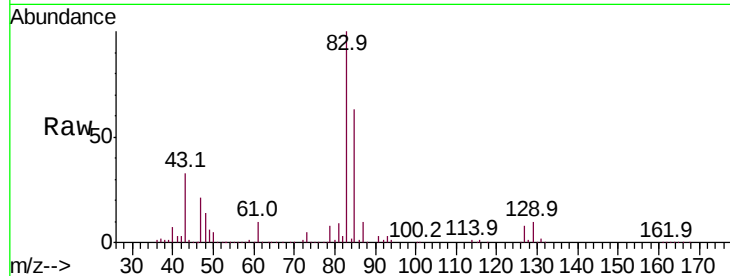
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	348418
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	7.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 93.661 ug/l

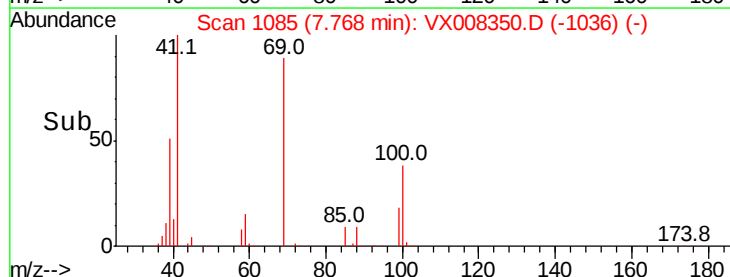
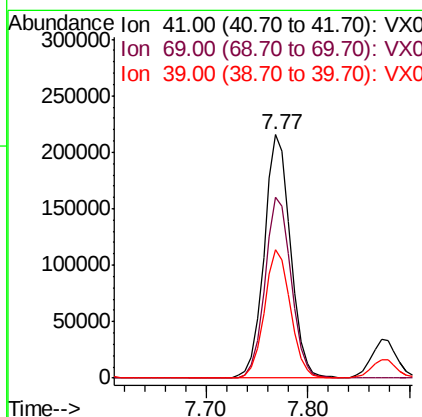
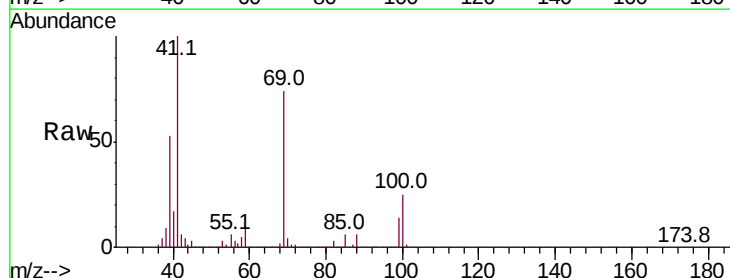
RT: 7.77 min Scan# 1085

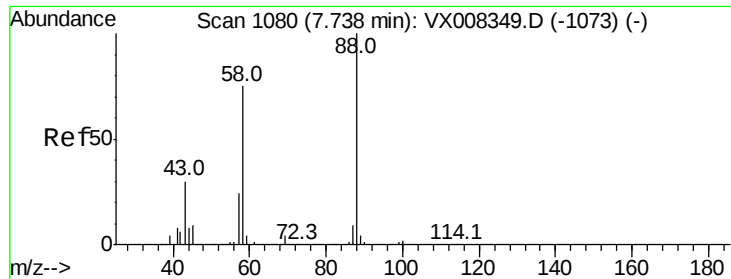
Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion:	41	Resp:	382999
Ion Ratio	Lower	Upper	
41	100		
69	74.8	65.2	97.8
39	52.4	39.4	59.2





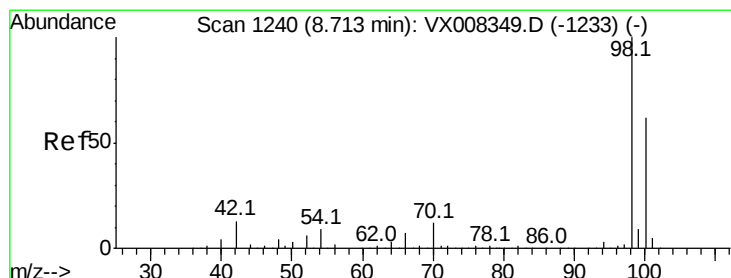
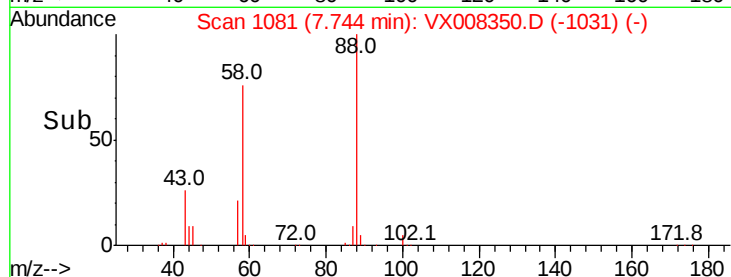
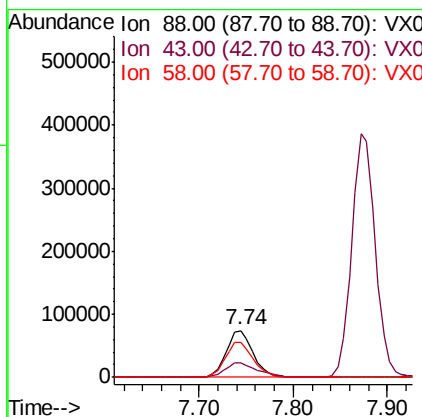
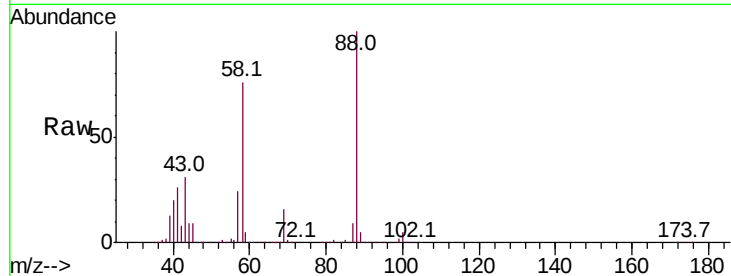
#49
1,4-Dioxane
Concen: 2025.069 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	25.1	37.7
58	78.1	57.8	86.6

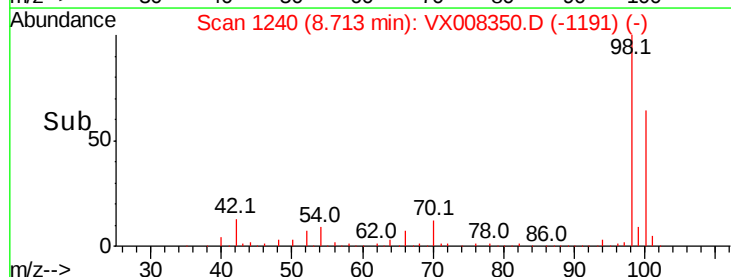
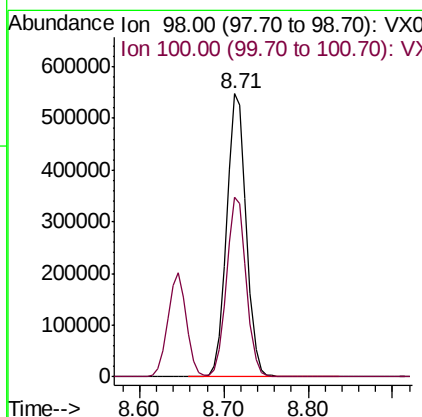
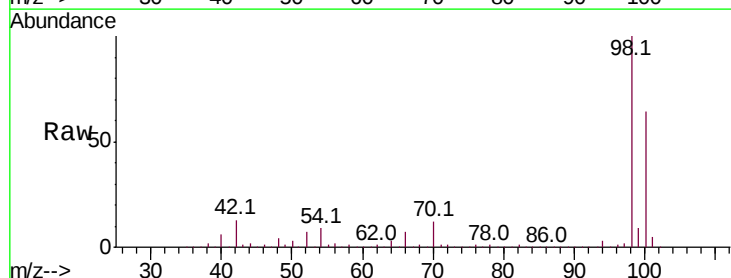
Manual Integrations
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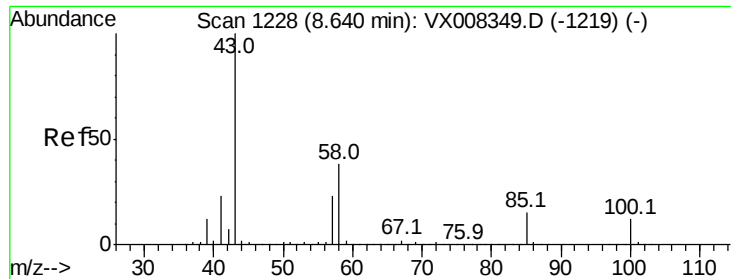
MMDadoda
3/25/2019 11:16:50 AM



#50
Toluene-d8
Concen: 98.304 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 495.734 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2464737

Ion Ratio Lower Upper

43 100

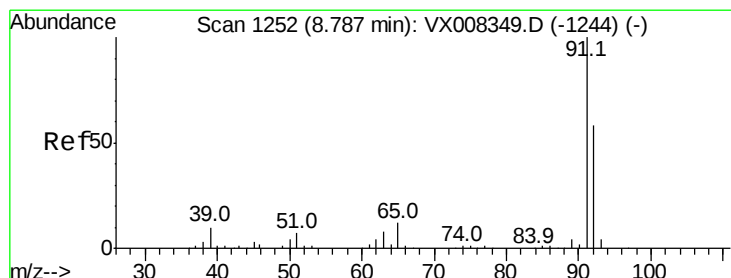
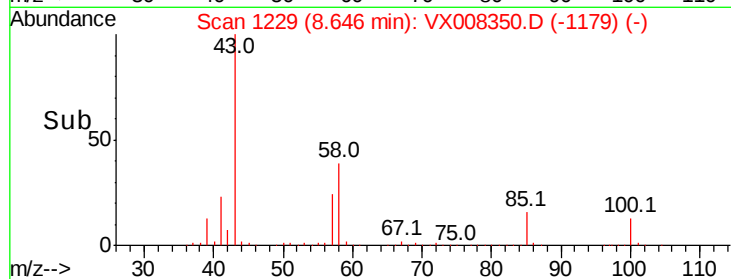
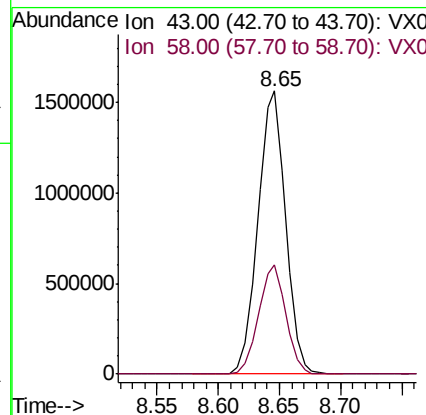
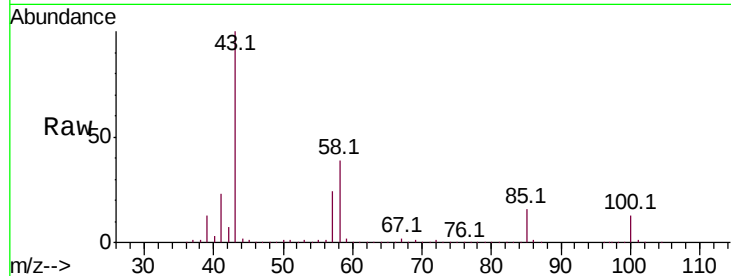
58 38.0 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 87.149 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008350.D

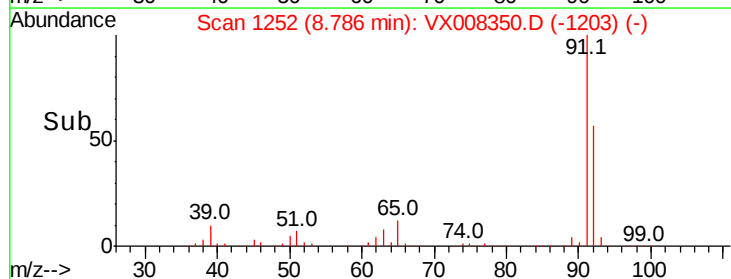
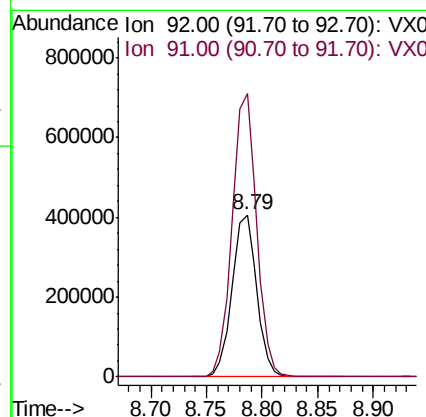
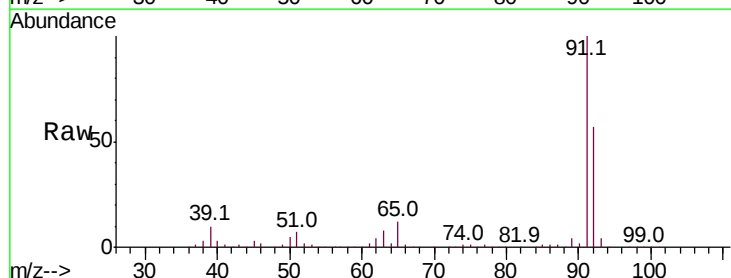
Acq: 23 Mar 2019 14:42

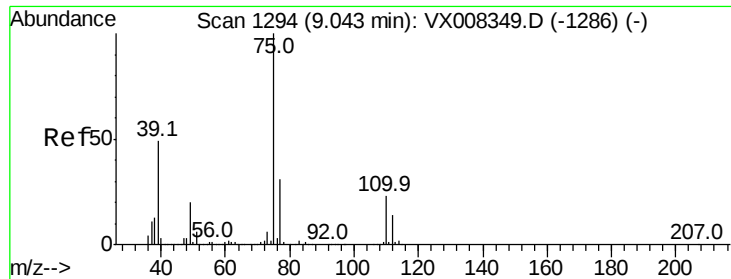
Tgt Ion: 92 Resp: 621115

Ion Ratio Lower Upper

92 100

91 174.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 93.489 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

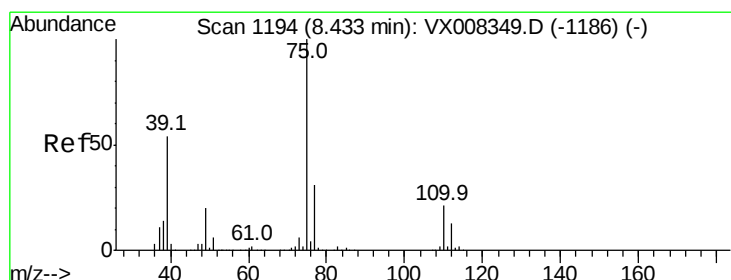
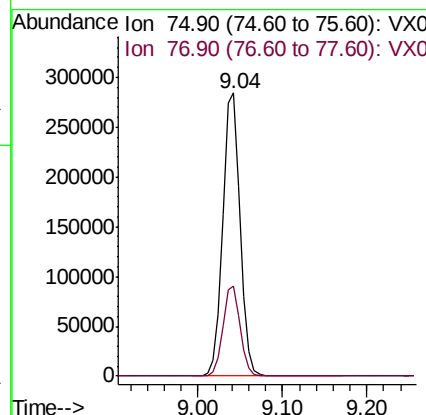
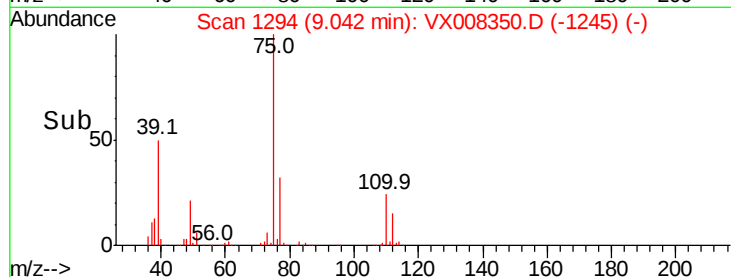
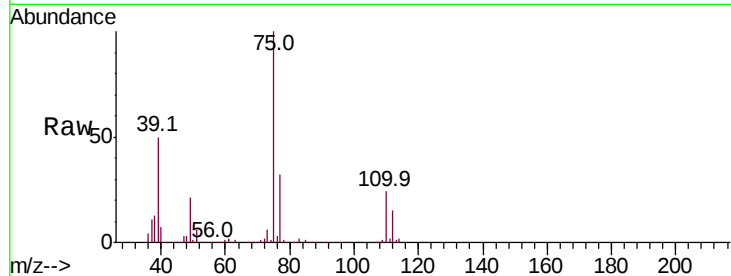
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 405999

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 92.573 ug/l

RT: 8.43 min Scan# 1194

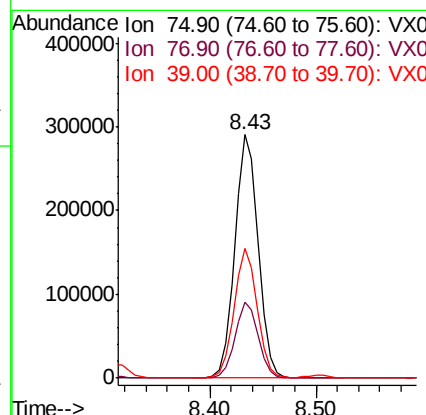
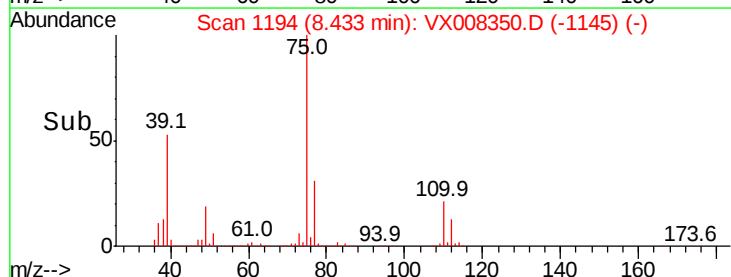
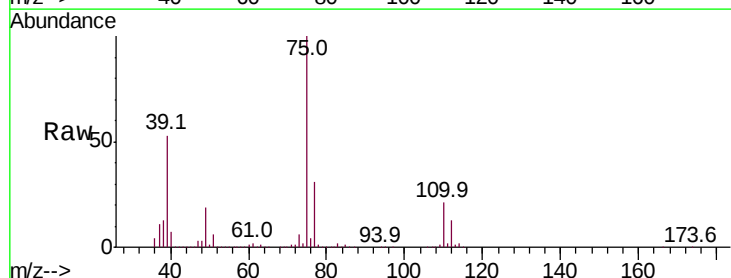
Delta R.T. -0.00 min

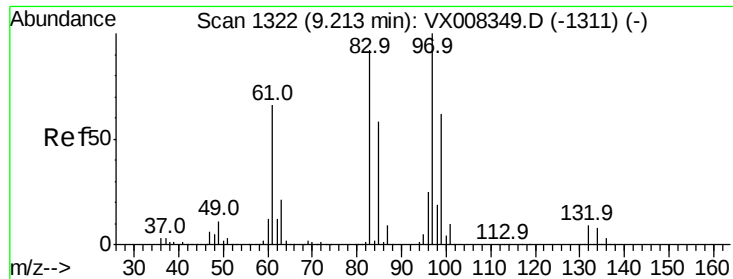
Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion: 75 Resp: 445823

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	53.2	36.6	54.8





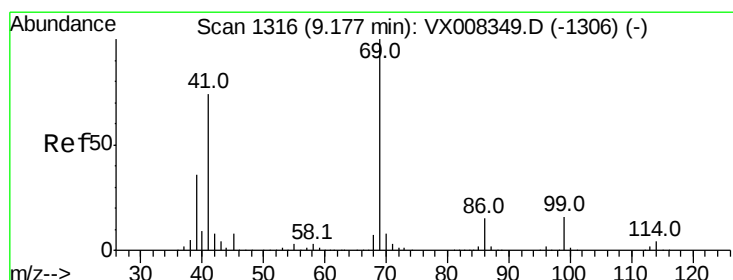
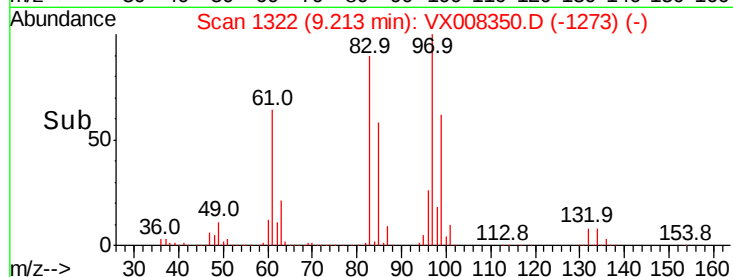
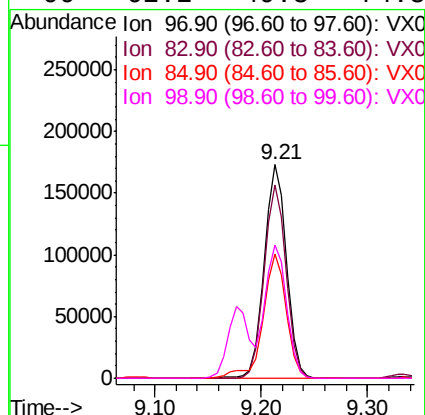
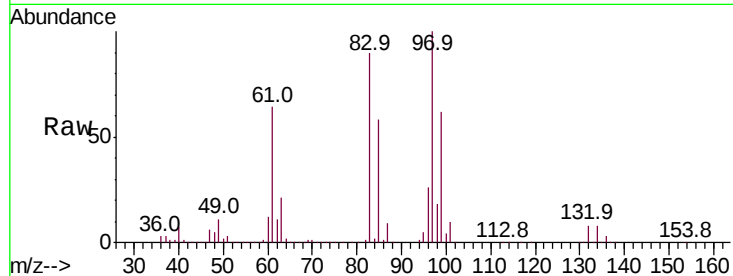
#55
1,1,2-Trichloroethane
Concen: 88.393 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.1	103.7
85	58.1	44.3	66.5
99	62.2	49.8	74.8

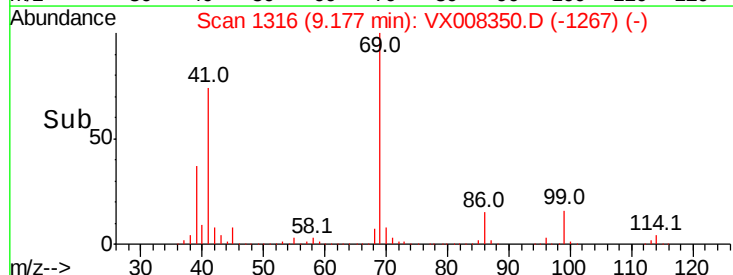
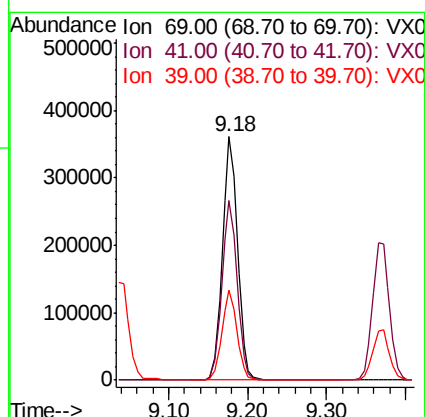
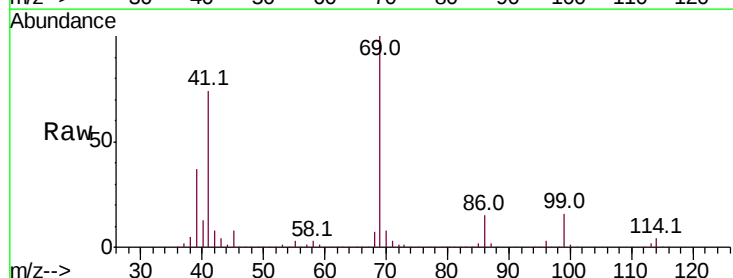
Manual Integrations
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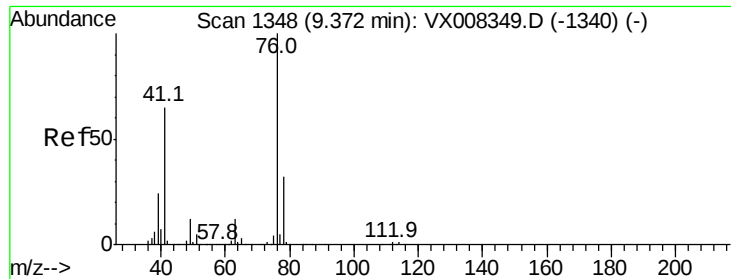
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#56
Ethyl methacrylate
Concen: 105.222 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.1	54.2	81.4
39	36.4	25.0	37.4





#57

1,3-Dichloropropane

Concen: 89.060 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 453665

Ion Ratio Lower Upper

76 100

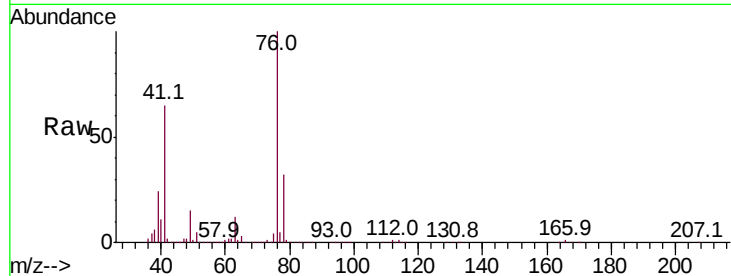
78 32.0 25.5 38.3

Manual Integrations

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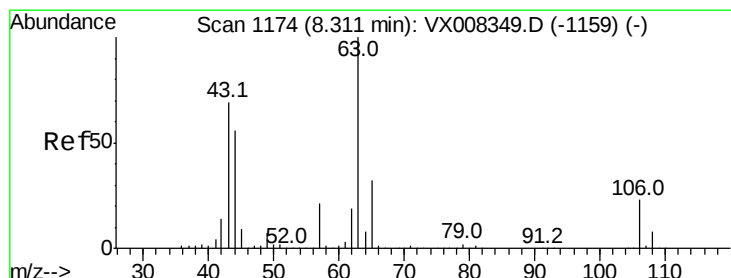
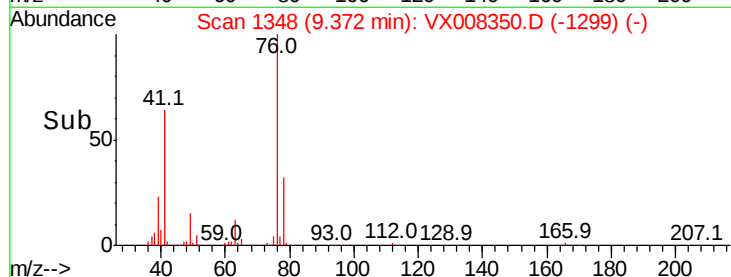
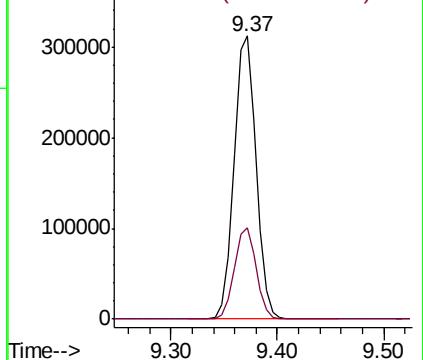
MMDadoda

3/25/2019 11:16:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 548.179 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008350.D

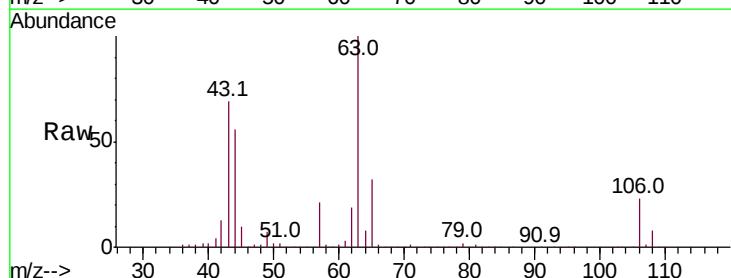
Acq: 23 Mar 2019 14:42

Tgt Ion: 63 Resp: 1293320

Ion Ratio Lower Upper

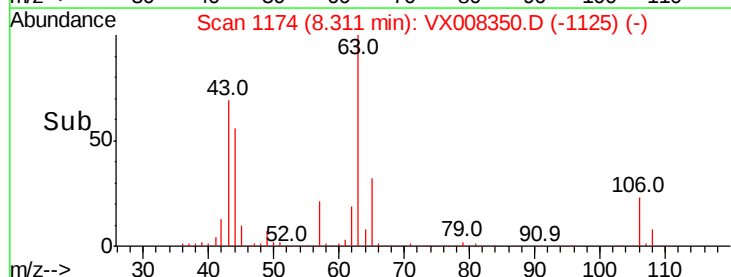
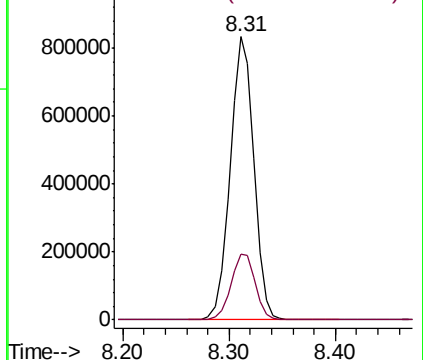
63 100

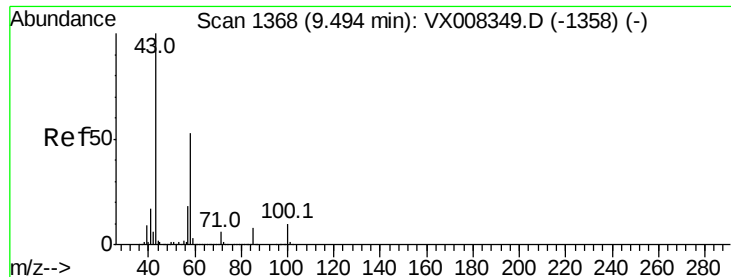
106 23.7 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





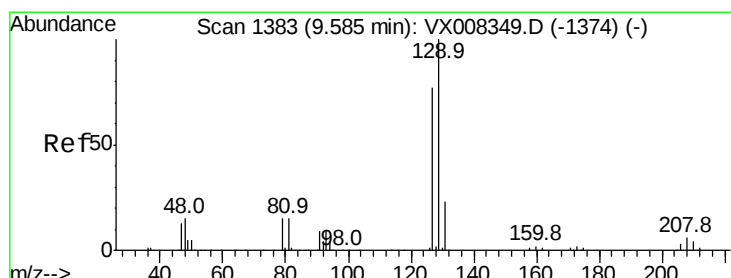
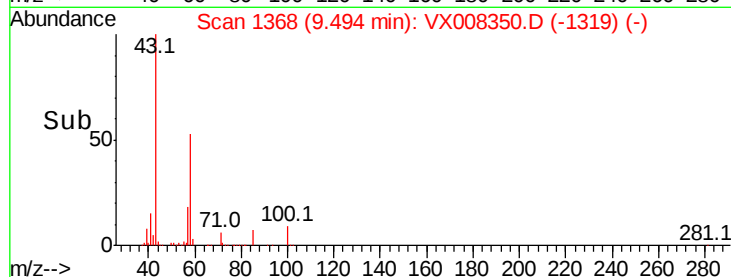
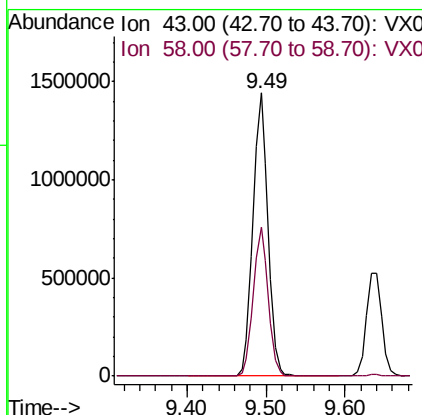
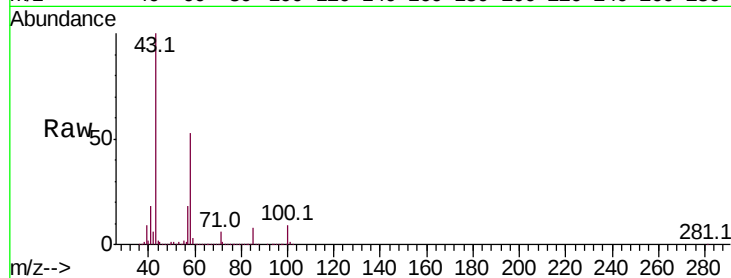
#59
2-Hexanone
Concen: 499.883 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1913427
Ion Ratio Lower Upper
43 100
58 52.6 27.6 82.7

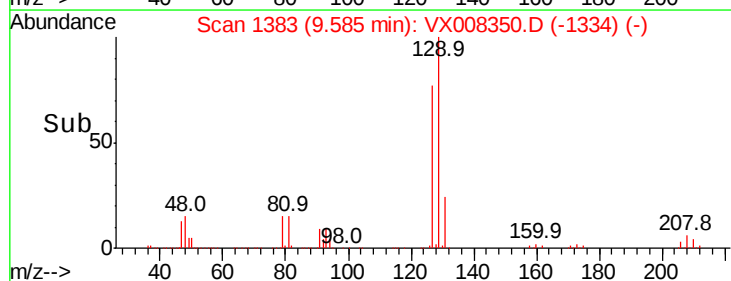
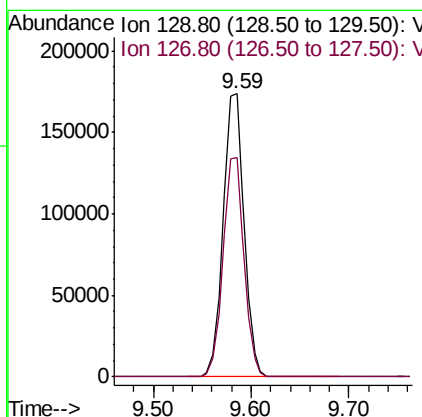
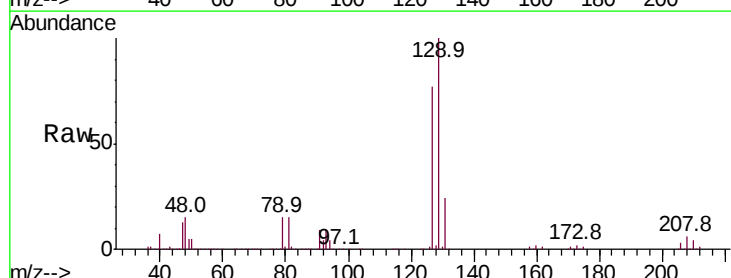
Manual Integrations
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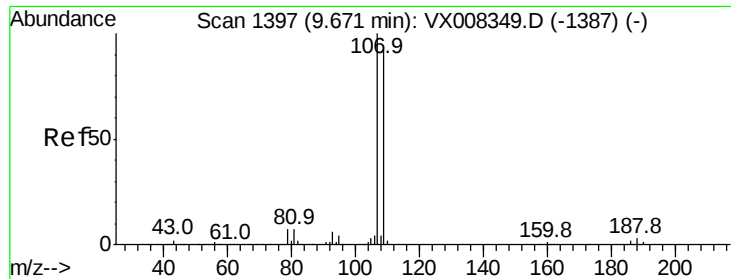
MMDadoda
3/25/2019 11:16:50 AM



#60
Dibromochloromethane
Concen: 93.094 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion: 129 Resp: 257626
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 88.157 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 265064

Ion Ratio Lower Upper

107 100

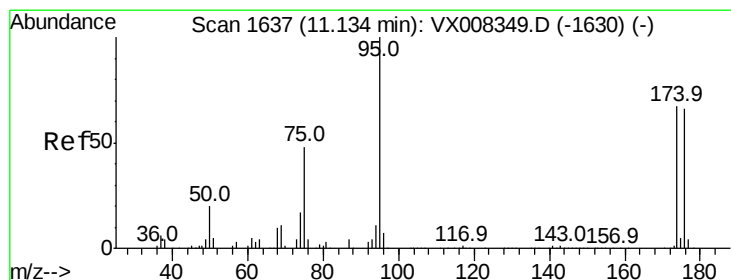
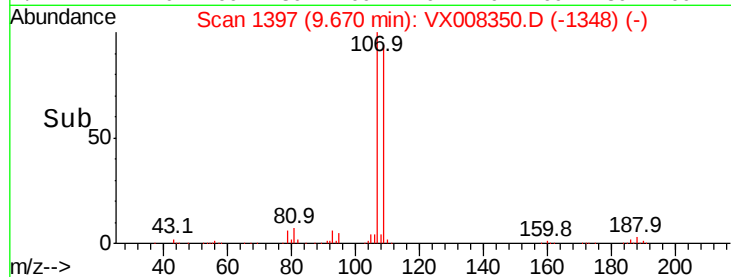
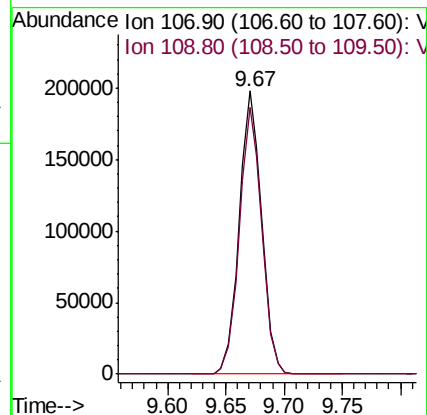
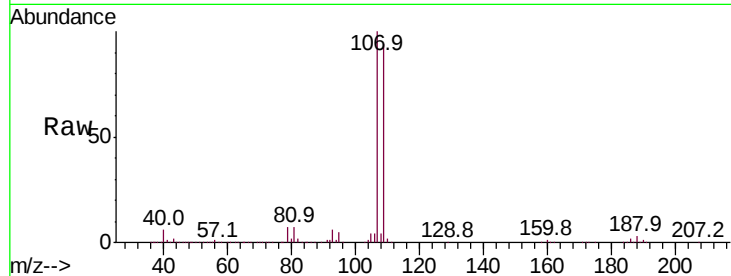
109 94.1 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

3/25/2019 11:16:50 AM



#62

4-Bromofluorobenzene

Concen: 108.039 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

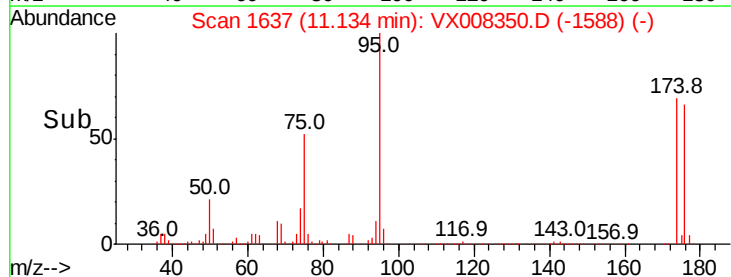
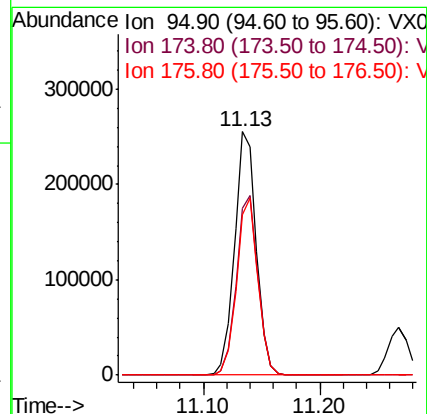
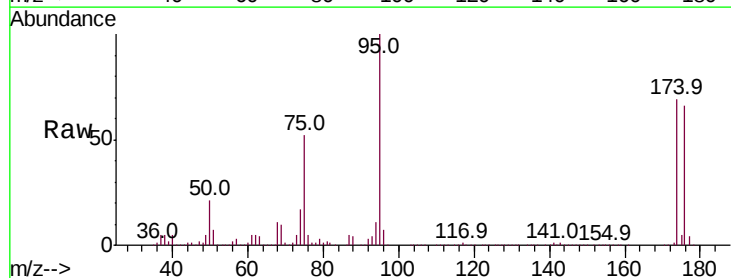
Tgt Ion: 95 Resp: 329149

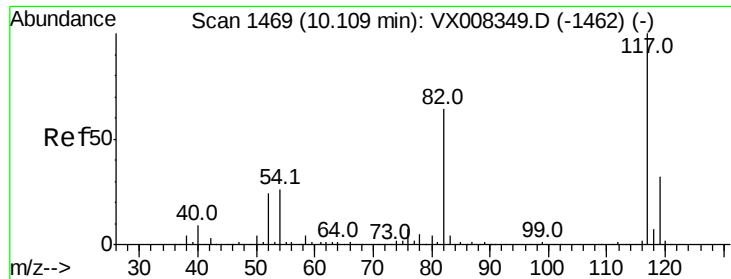
Ion Ratio Lower Upper

95 100

174 73.8 0.0 182.8

176 71.5 0.0 178.0





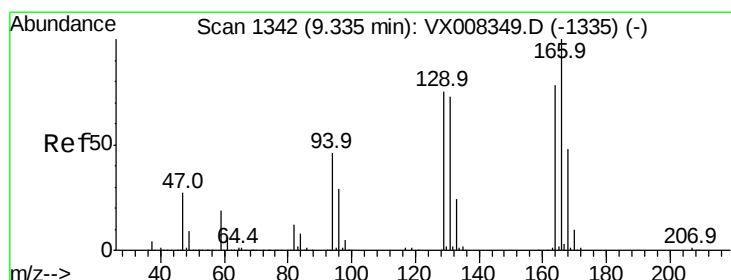
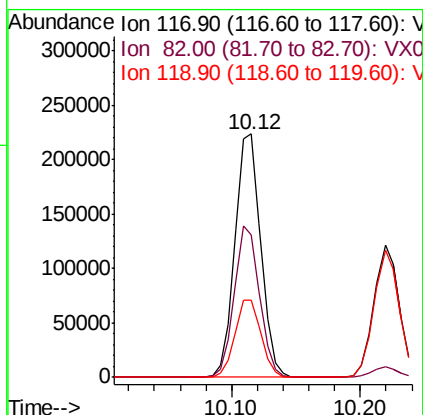
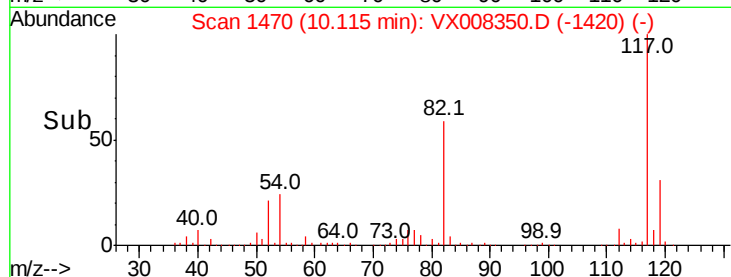
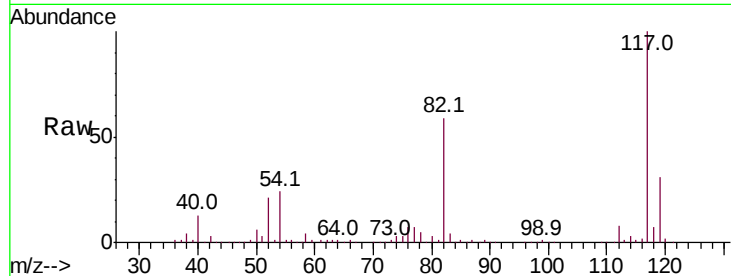
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	312822		
82	58.7	44.3	66.5	
119	31.5	25.3	37.9	

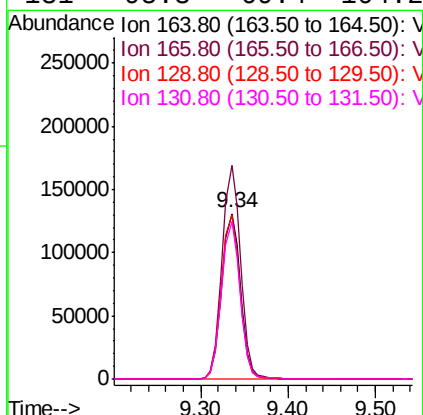
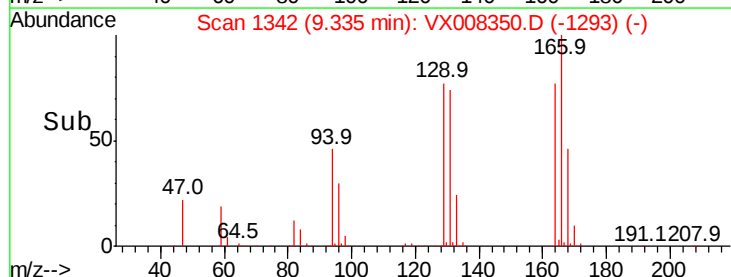
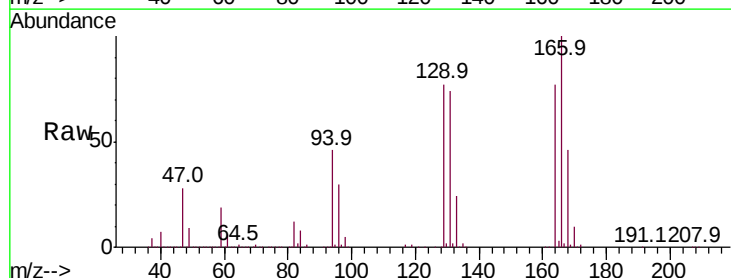
Manual Integrations
APPROVED

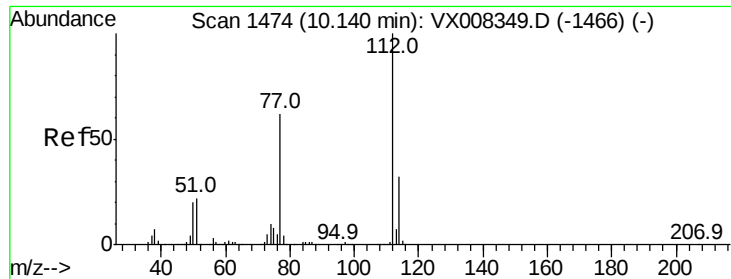
MMDadoda
3/25/2019 11:16:50 AM



#64
Tetrachloroethene
Concen: 68.428 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193120		
166	129.1	103.4	155.0	
129	99.0	72.2	108.4	
131	95.3	69.4	104.2	





#65

Chlorobenzene

Concen: 82.780 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 637183

Ion Ratio Lower Upper

112 100

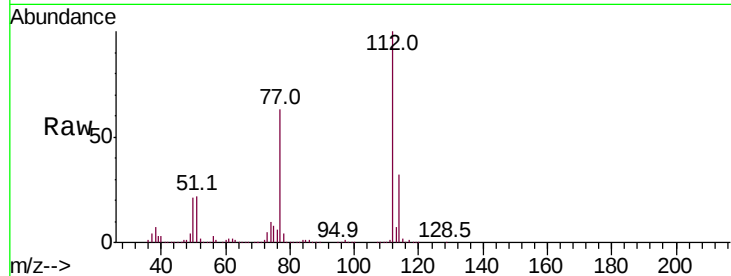
114 32.2 26.0 39.0

Manual Integrations

APPROVED

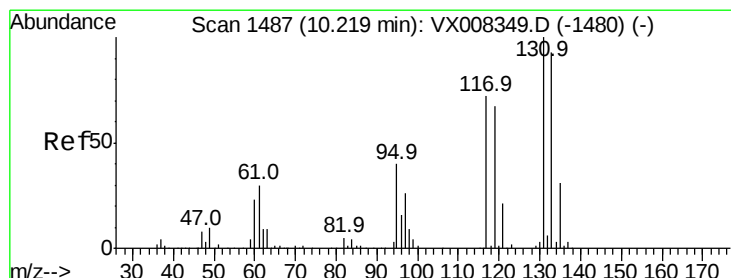
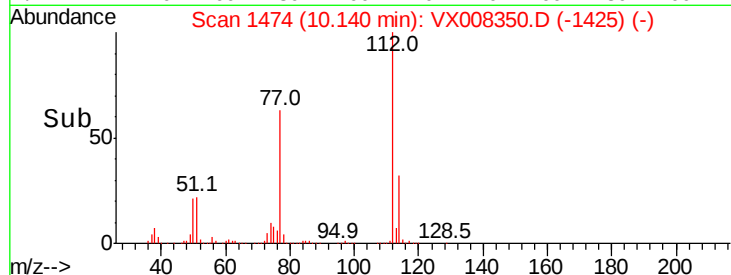
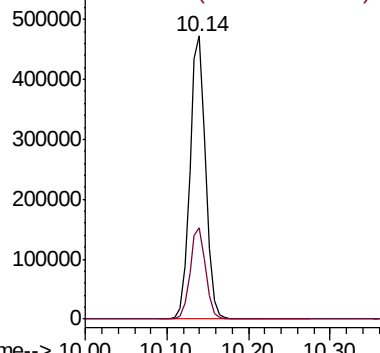
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 85.546 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

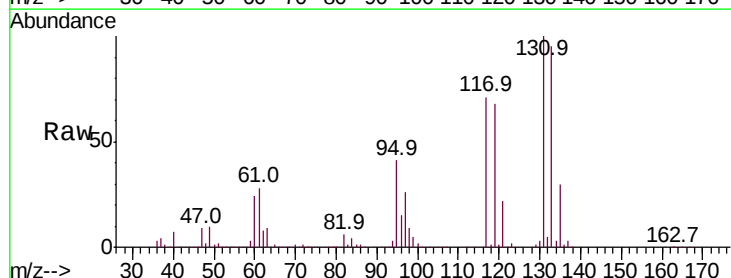
Tgt Ion:131 Resp: 229582

Ion Ratio Lower Upper

131 100

133 94.7 47.8 143.3

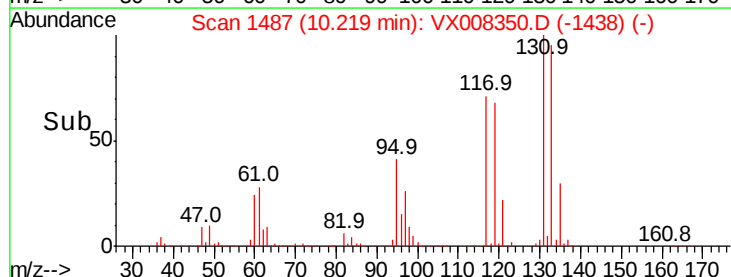
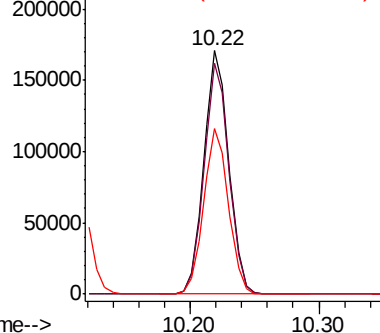
119 67.7 32.5 97.5

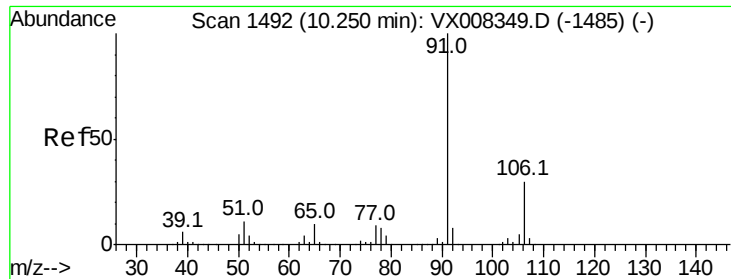


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





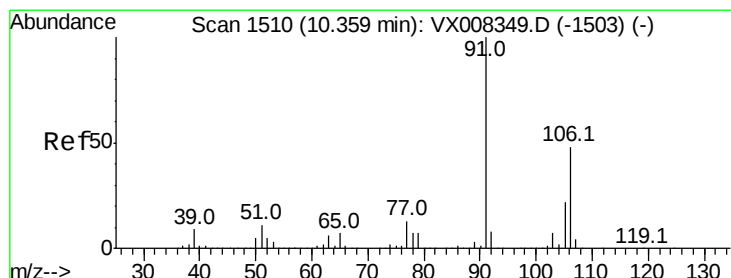
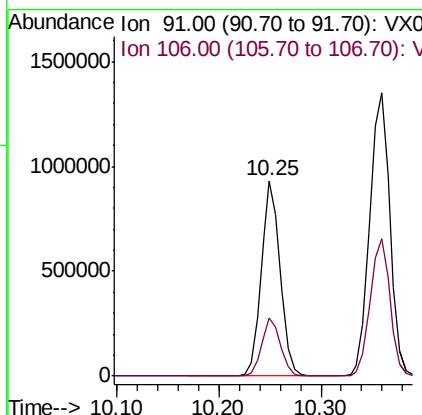
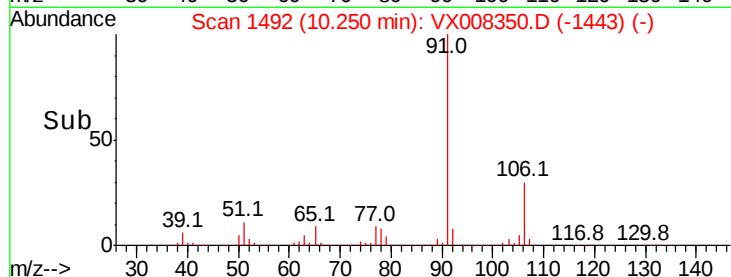
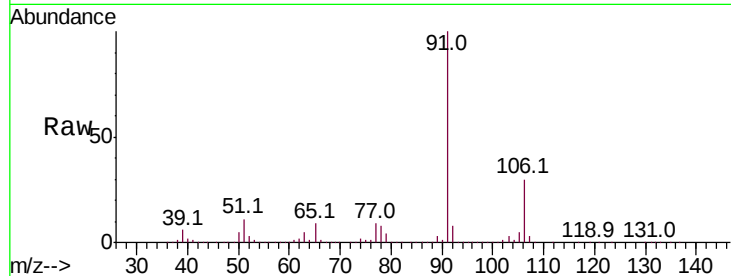
#67
Ethyl Benzene
Concen: 89.479 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1213704
Ion Ratio Lower Upper
91 100
106 29.7 25.2 37.8

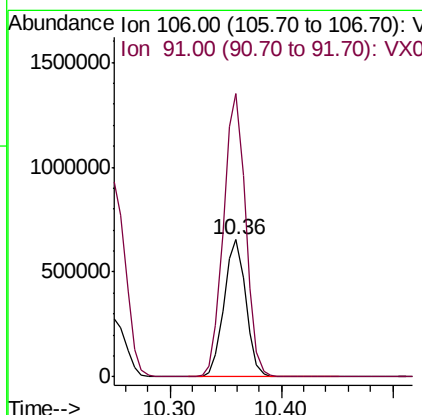
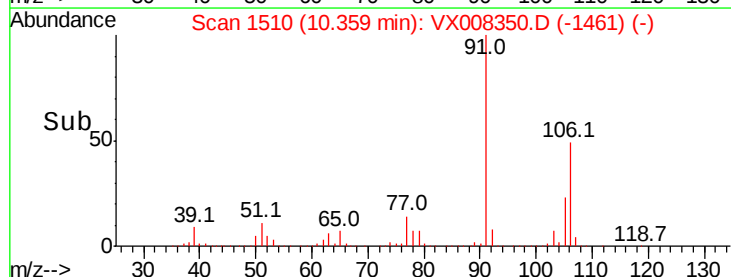
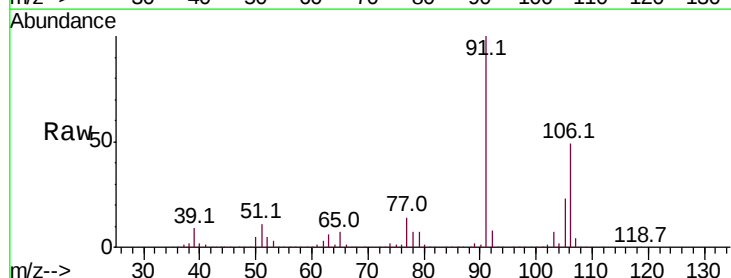
Manual Integrations
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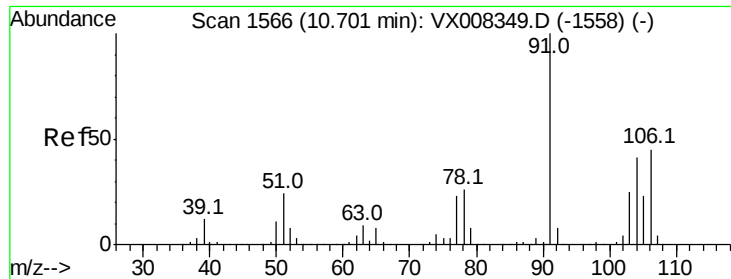
MMDadoda
3/25/2019 11:16:50 AM



#68
m/p-Xylenes
Concen: 178.326 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion: 106 Resp: 888538
Ion Ratio Lower Upper
106 100
91 209.0 159.8 239.6





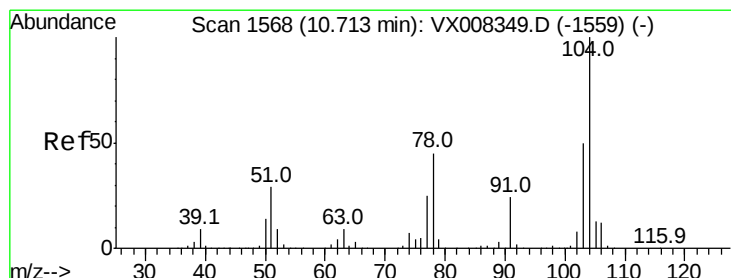
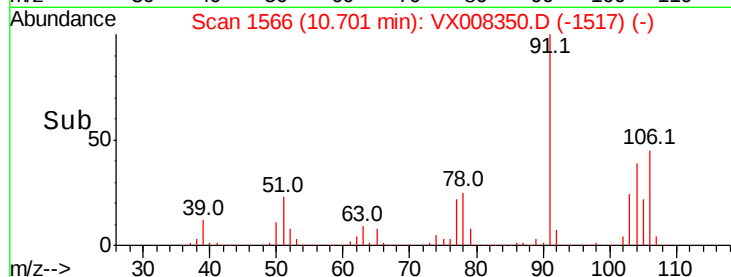
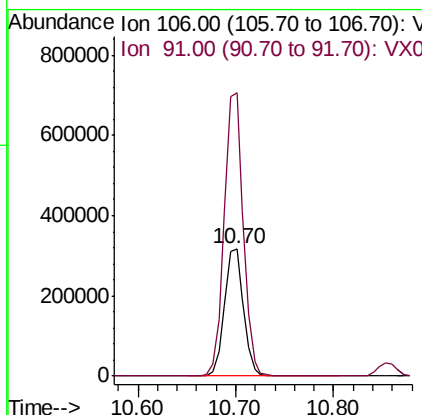
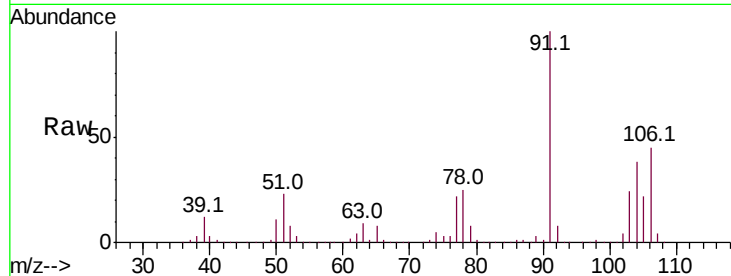
#69
o-Xylene
Concen: 88.803 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 429956
Ion Ratio Lower Upper
106 100
91 221.6 106.3 318.9

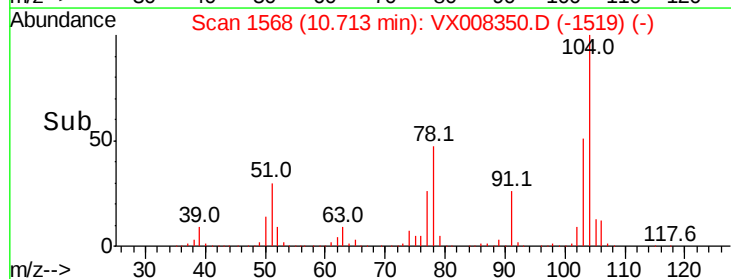
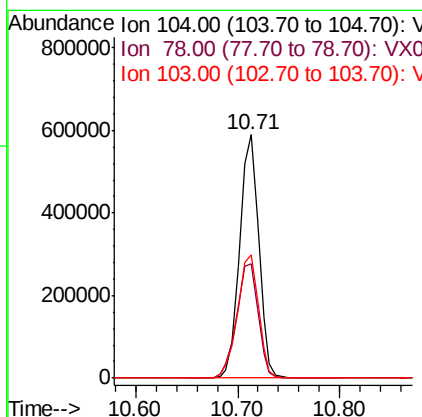
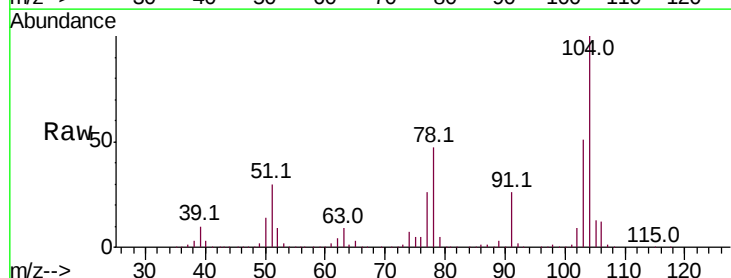
Manual Integrations
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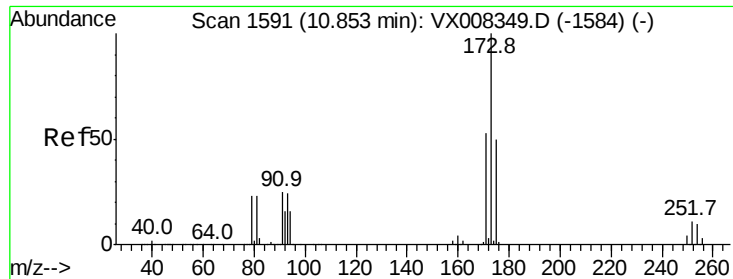
MMDadoda
3/25/2019 11:16:50 AM



#70
Styrene
Concen: 96.608 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion:104 Resp: 760158
Ion Ratio Lower Upper
104 100
78 53.3 38.5 57.7
103 55.6 44.1 66.1





#71

Bromoform

Concen: 95.382 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 194716

Ion Ratio Lower Upper

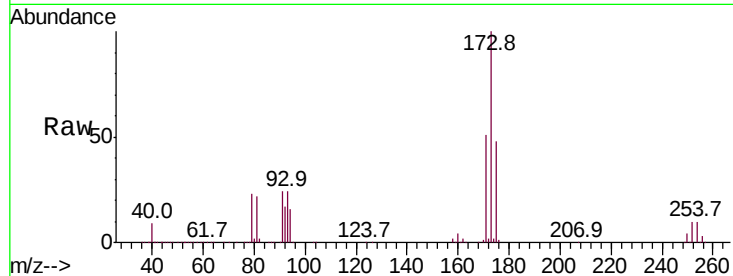
173 100

175 48.5 24.3 72.9

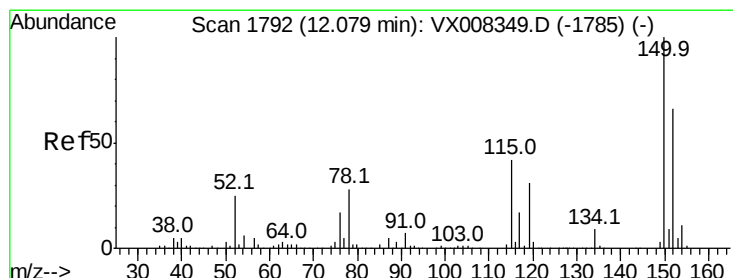
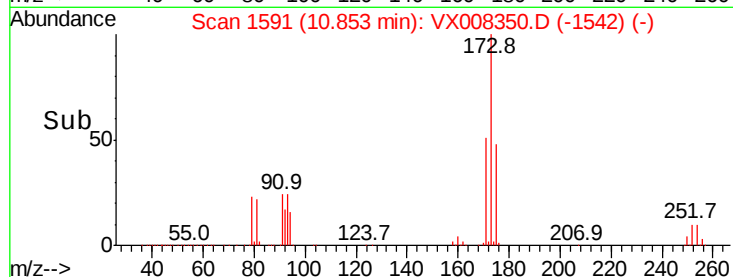
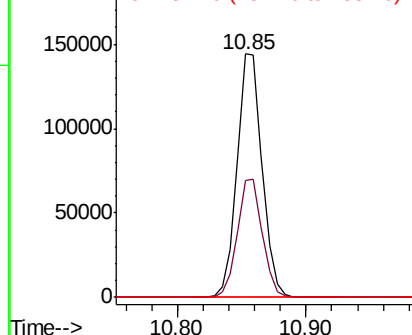
254 0.2 0.1 0.1#

Manual Integrations
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3/25/2019 11:16:50 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

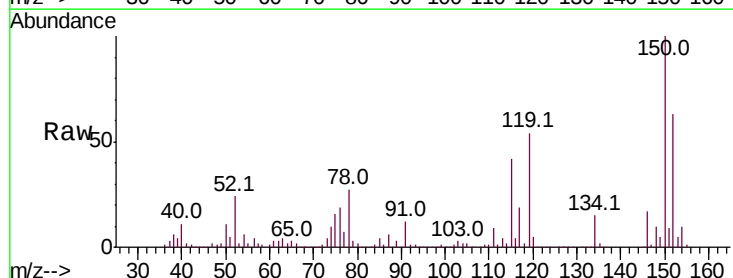
Tgt Ion:152 Resp: 153772

Ion Ratio Lower Upper

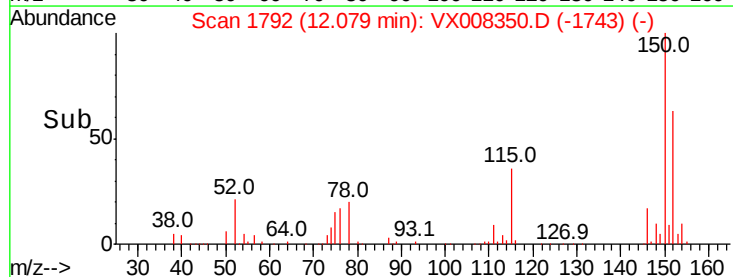
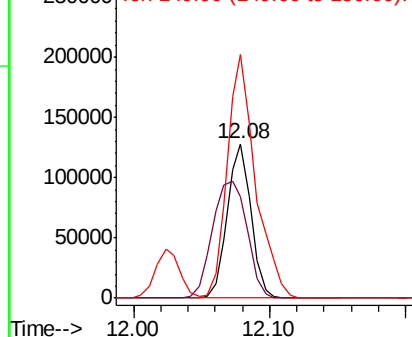
152 100

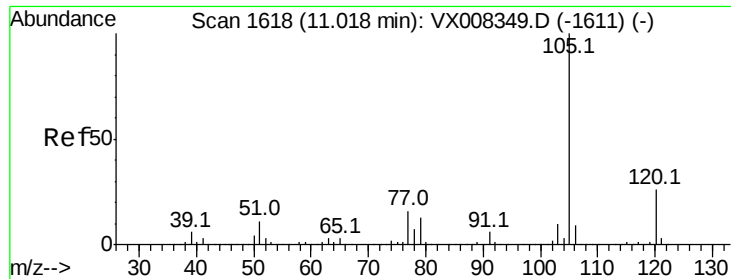
115 110.8 38.6 115.7

150 188.7 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





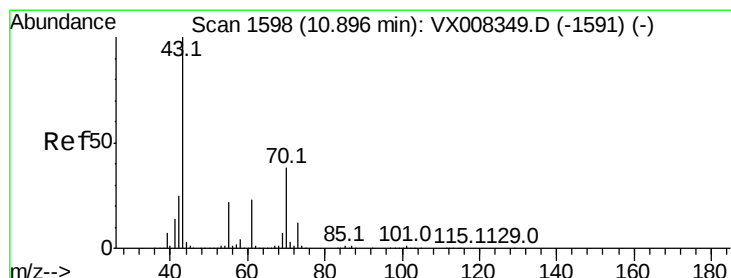
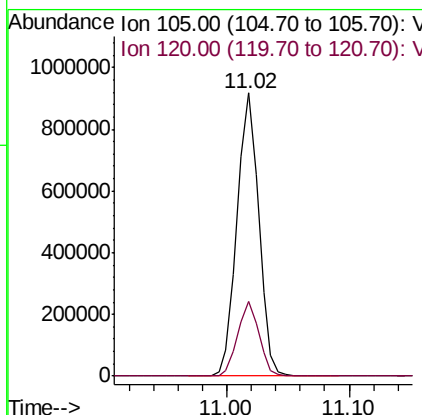
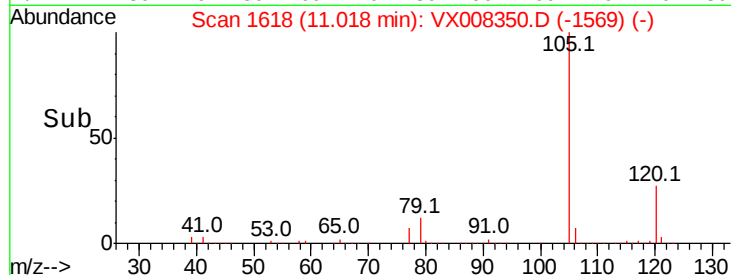
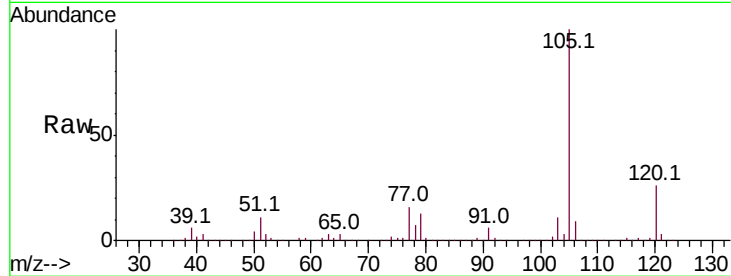
#73
Isopropylbenzene
Concen: 82.073 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1124940
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1

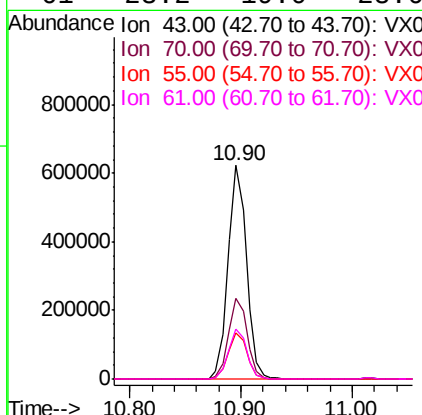
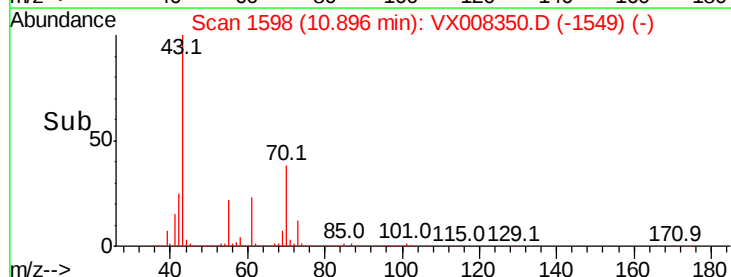
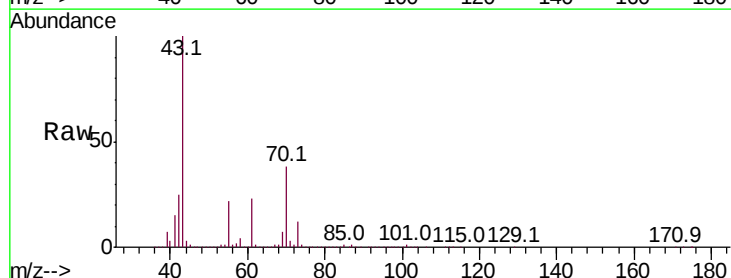
Manual Integrations
APPROVED

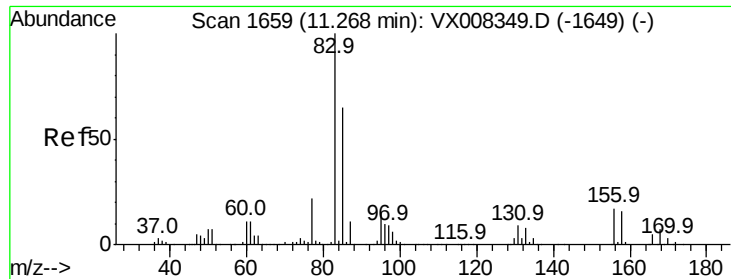
MMDadoda
3/25/2019 11:16:50 AM



#74
N-ethyl acetate
Concen: 99.394 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion: 43 Resp: 713776
Ion Ratio Lower Upper
43 100
70 38.2 33.5 50.3
55 22.3 19.2 28.8
61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 90.296 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 443793

Ion Ratio Lower Upper

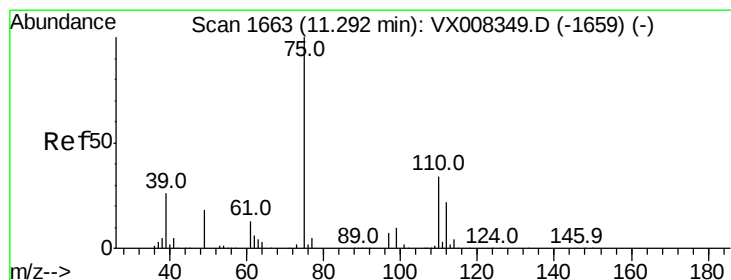
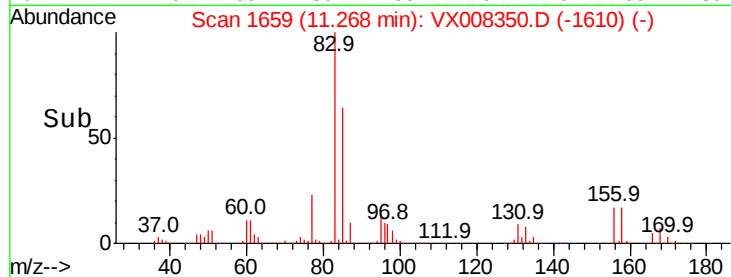
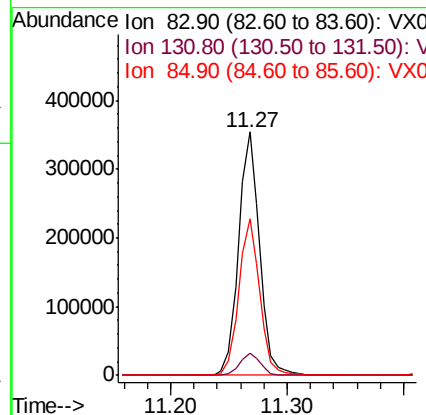
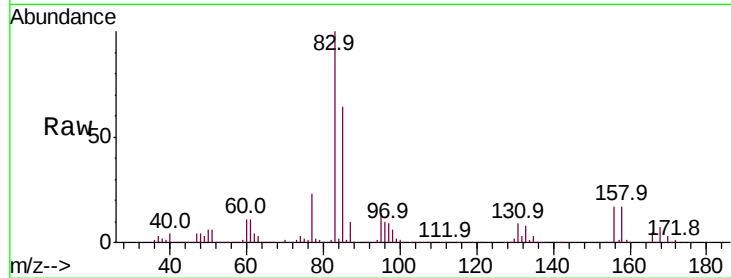
83 100

131 8.9 5.4 16.2

85 64.4 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:16:50 AM



#76

1,2,3-Trichloropropane

Concen: 84.666 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX008350.D

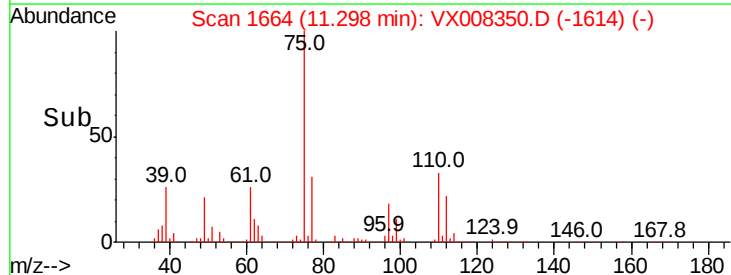
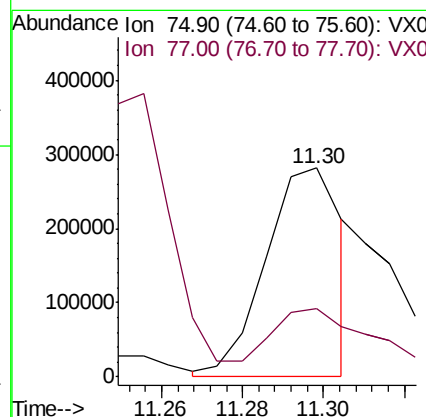
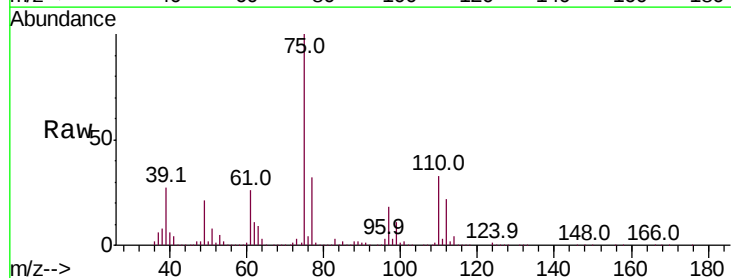
Acq: 23 Mar 2019 14:42

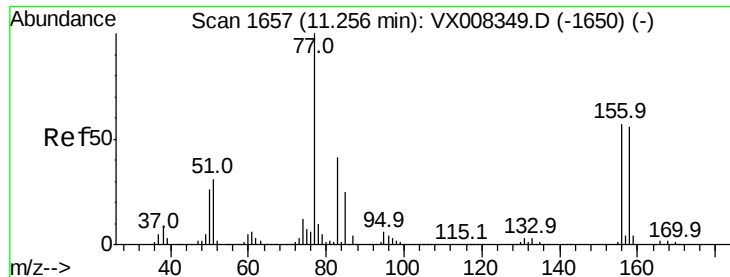
Tgt Ion: 75 Resp: 366182

Ion Ratio Lower Upper

75 100

77 44.0 18.9 56.7





#77

Bromobenzene

Concen: 82.190 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 272379

Ion Ratio Lower Upper

156 100

77 183.5 72.0 215.9

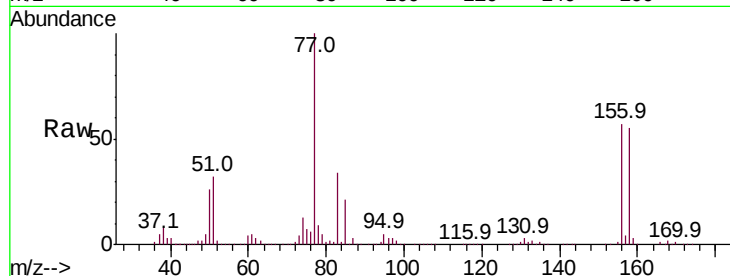
158 96.4 48.6 145.9

Manual Integrations

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MMDadoda

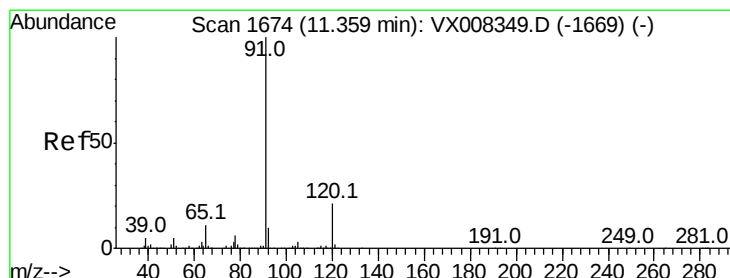
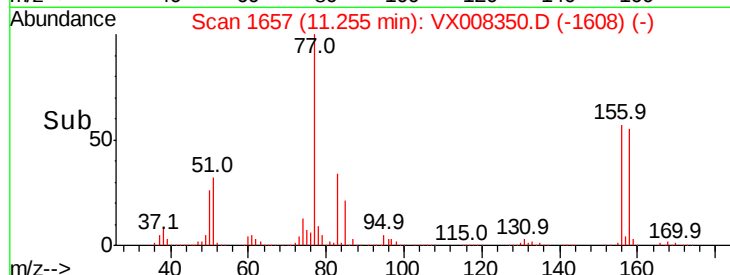
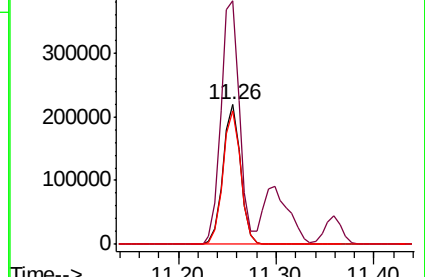
3/25/2019 11:16:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 84.862 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008350.D

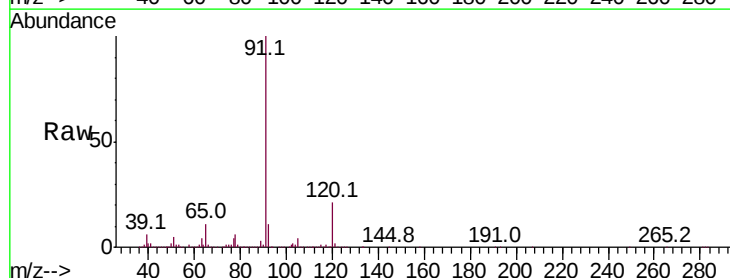
Acq: 23 Mar 2019 14:42

Tgt Ion: 91 Resp: 1350963

Ion Ratio Lower Upper

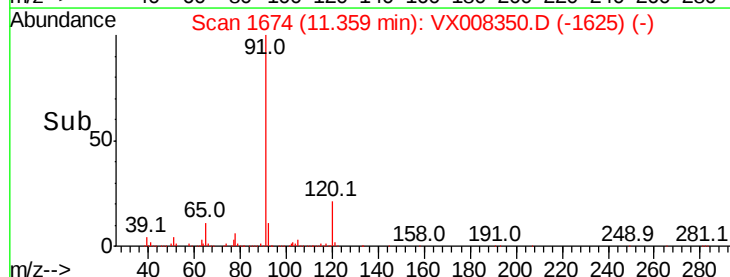
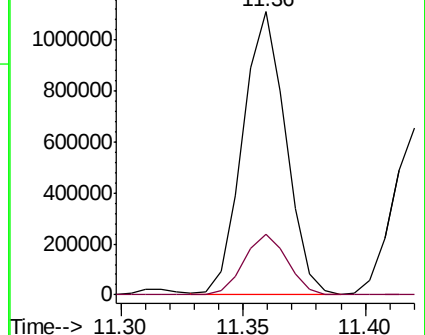
91 100

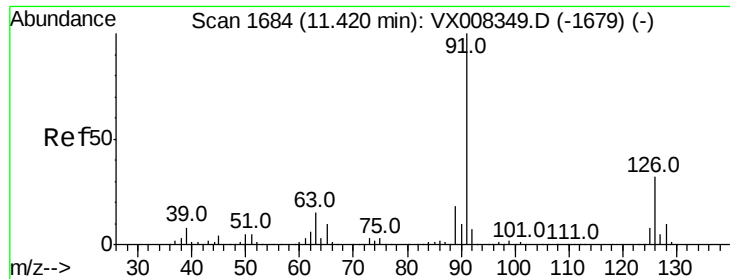
120 21.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 83.774 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 800464

Ion Ratio Lower Upper

91 100

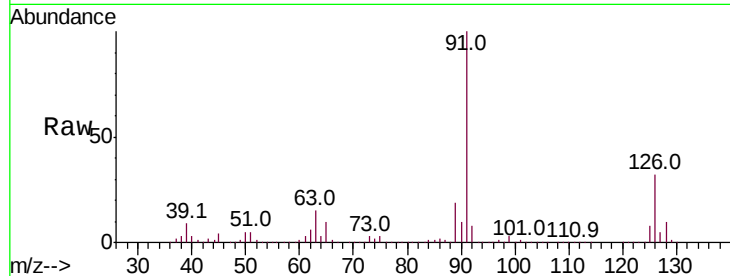
126 31.7 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008349.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008349.D (-1679) (-)

1200000

1000000

800000

600000

400000

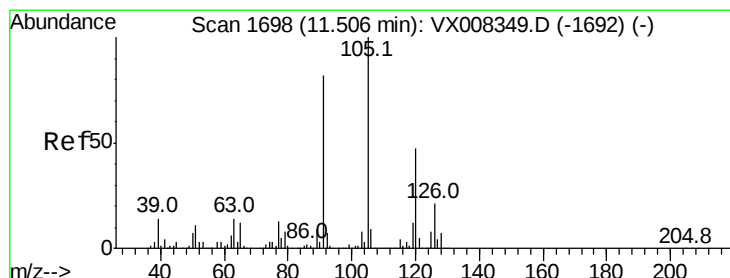
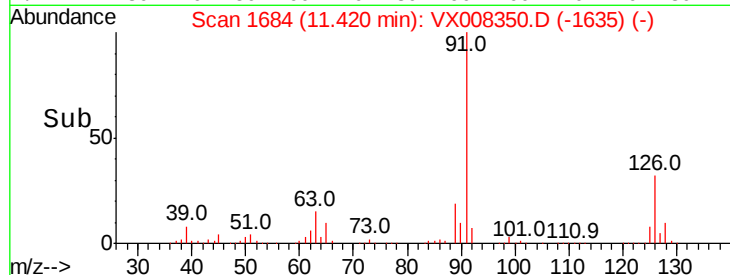
200000

0

11.42

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 87.118 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008350.D

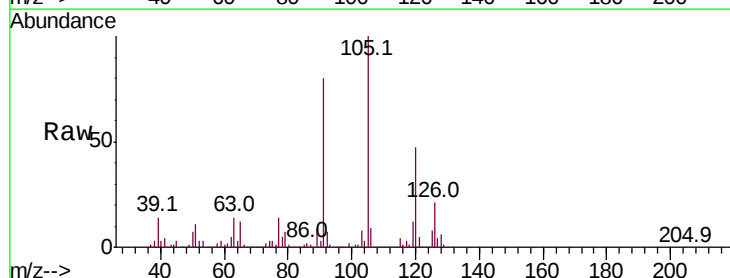
Acq: 23 Mar 2019 14:42

Tgt Ion:105 Resp: 986500

Ion Ratio Lower Upper

105 100

120 47.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008349.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008349.D (-1692) (-)

1000000

800000

600000

400000

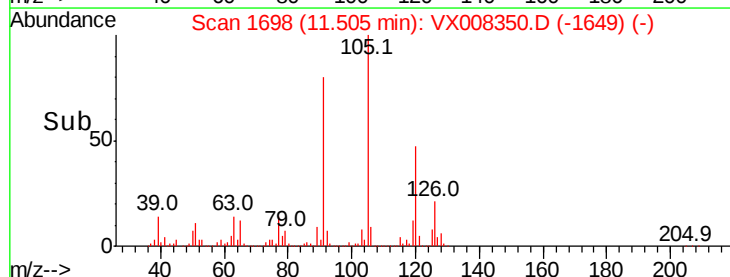
200000

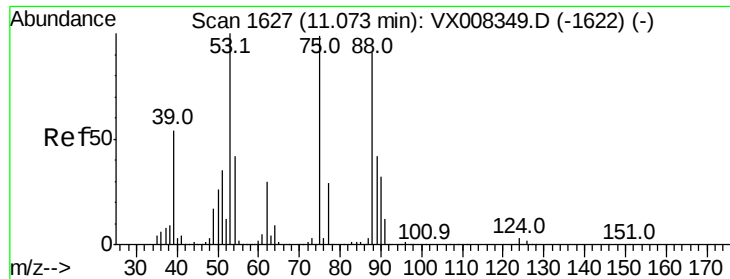
0

11.51

11.45 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 104.460 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 157951

Ion Ratio Lower Upper

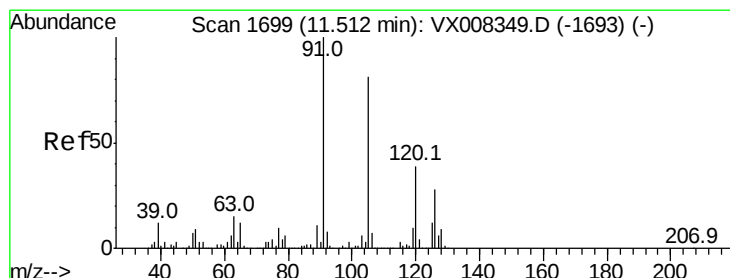
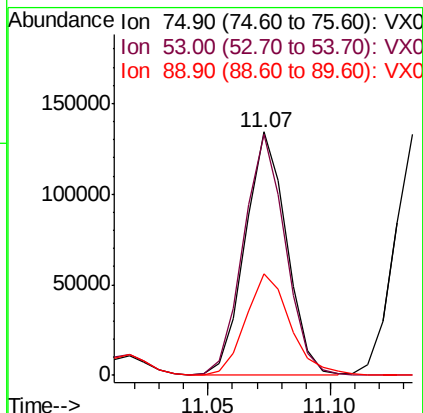
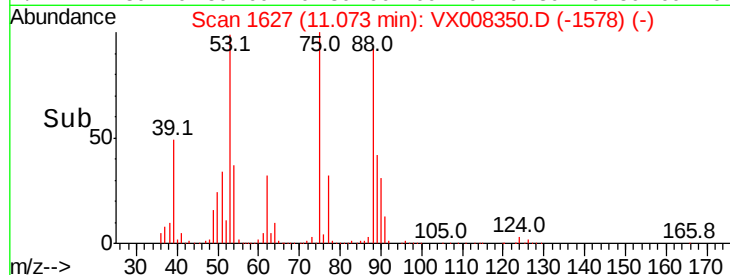
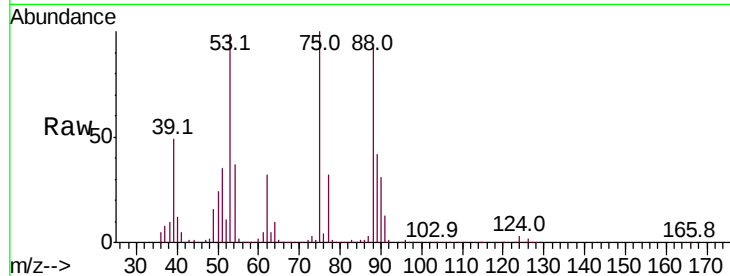
75 100

53 100.0 76.1 114.1

89 45.1 36.3 54.5

Manual Integrations
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MMDadoda
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#82

4-Chlorotoluene

Concen: 85.420 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008350.D

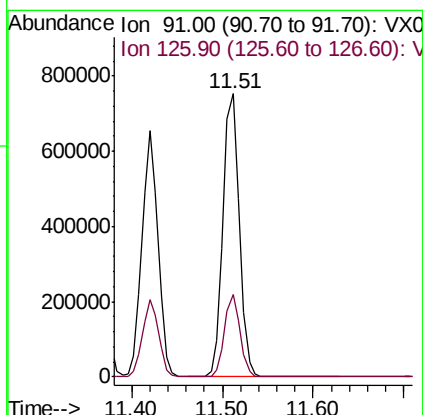
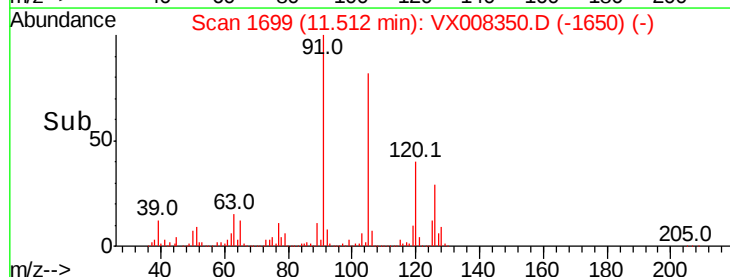
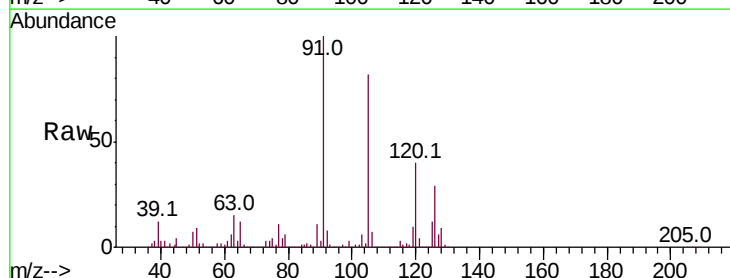
Acq: 23 Mar 2019 14:42

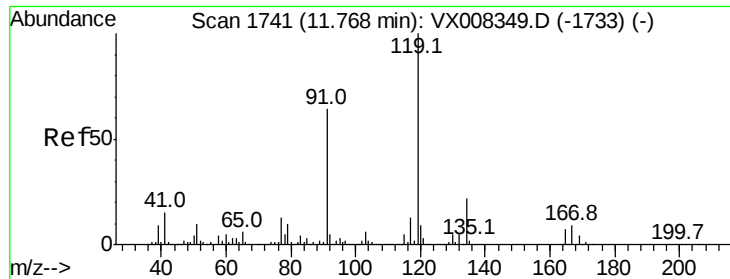
Tgt Ion: 91 Resp: 949770

Ion Ratio Lower Upper

91 100

126 27.8 15.6 46.8





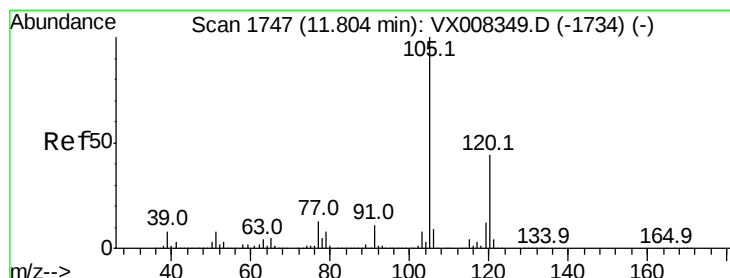
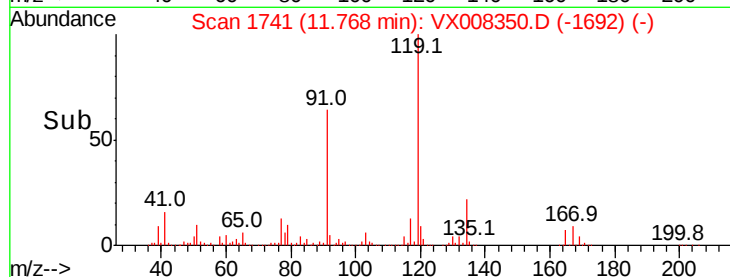
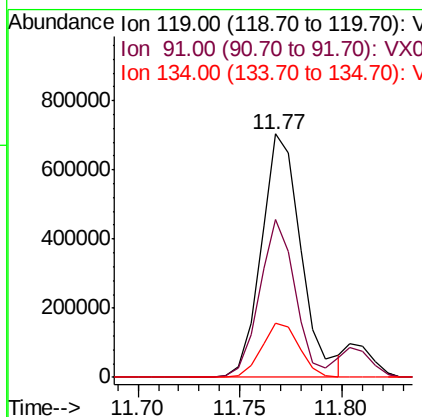
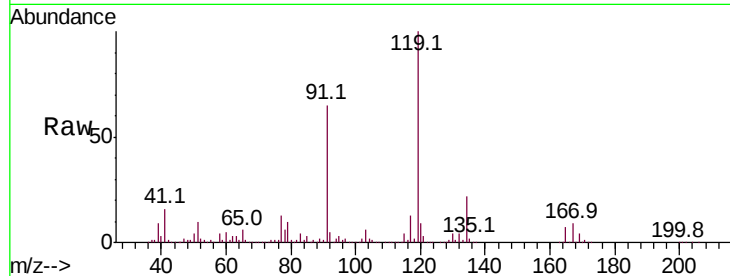
#83
tert-Butylbenzene
Concen: 88.210 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	953656		
91	58.2	27.1	81.3	
134	21.2	11.4	34.1	

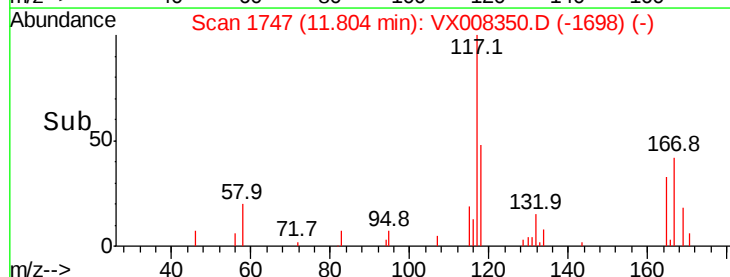
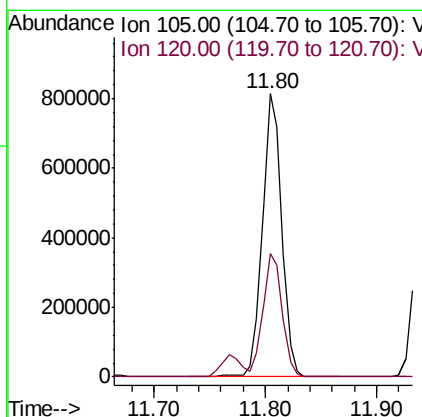
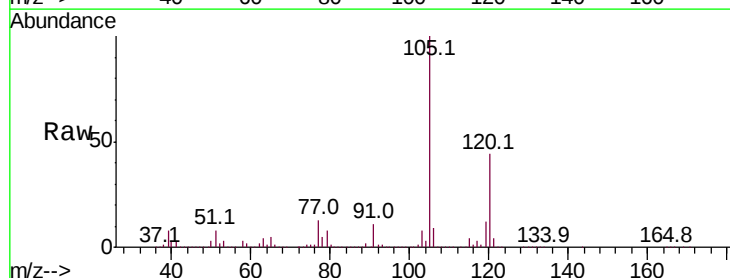
Manual Integrations
APPROVED

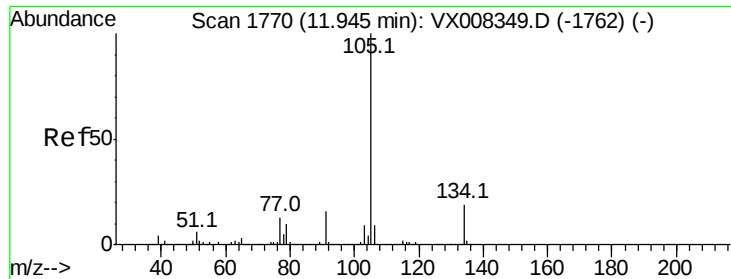
MMDadoda
3/25/2019 11:16:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 86.448 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	992407		
120	43.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 83.886 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1123097

Ion Ratio Lower Upper

105 100

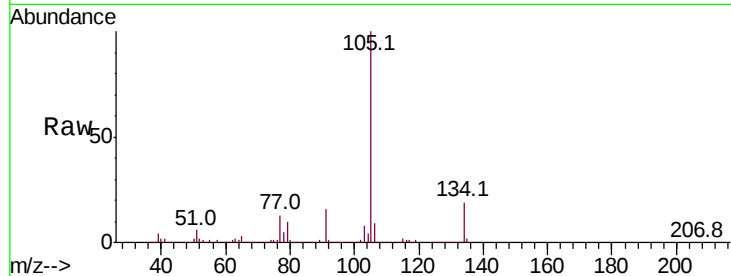
134 18.8 10.4 31.2

Manual Integrations

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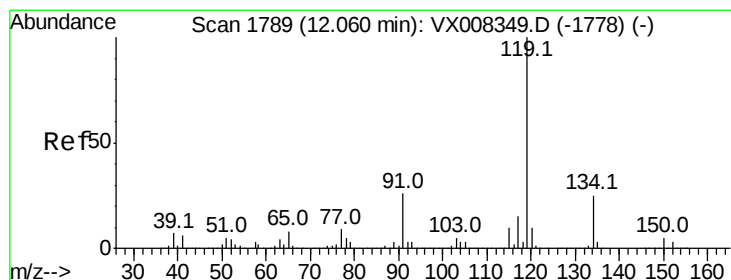
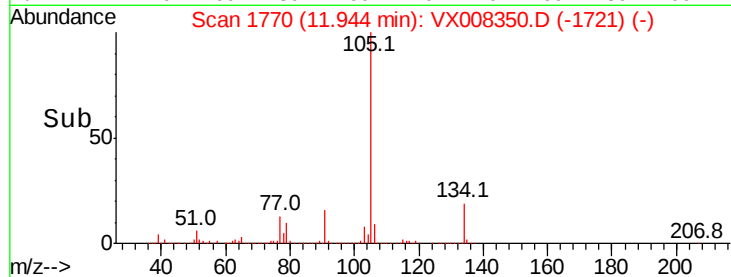
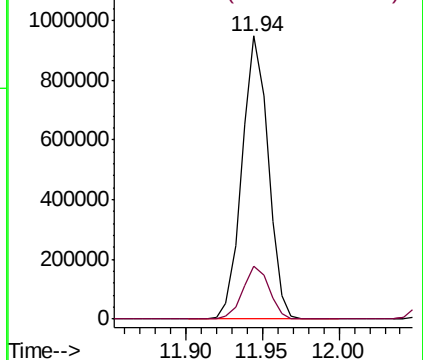
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 88.313 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

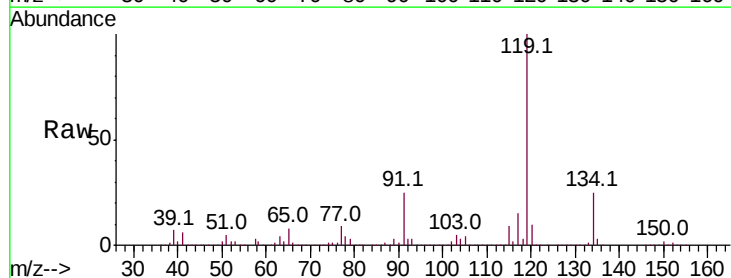
Tgt Ion:119 Resp: 1023452

Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.9

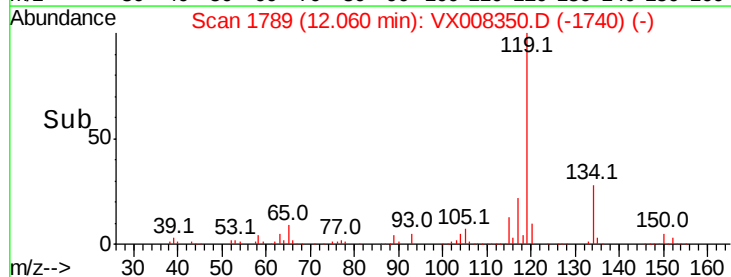
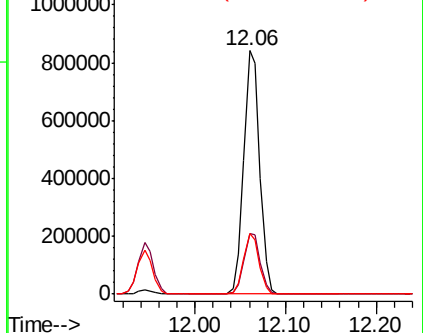
91 24.5 10.9 32.7

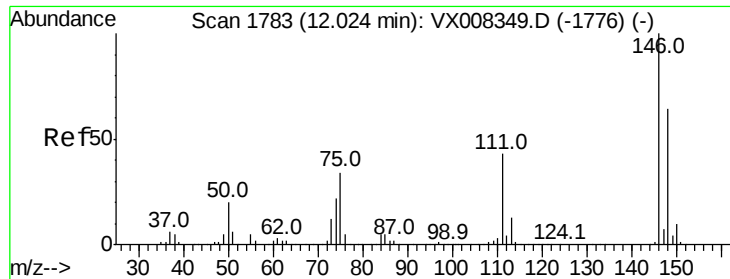


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





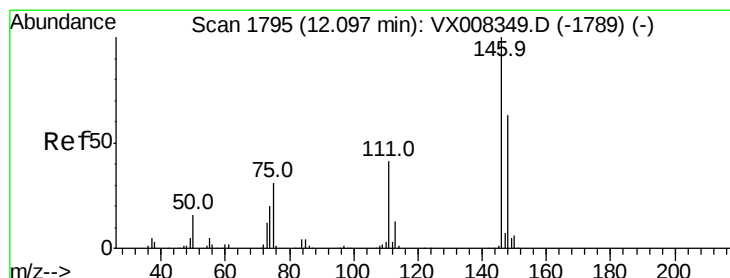
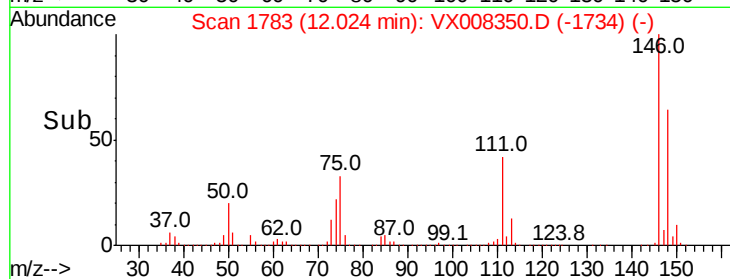
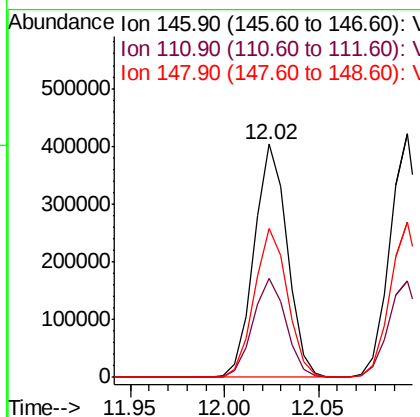
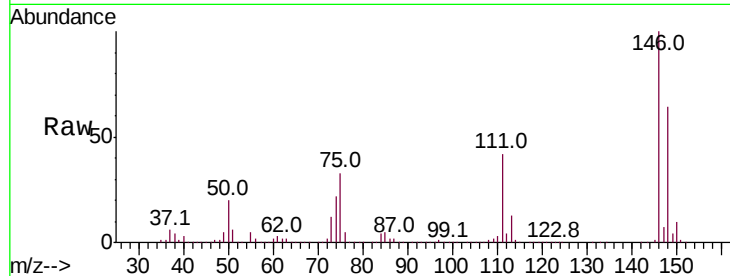
#87
 1,3-Dichlorobenzene
 Concen: 82.880 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008350.D
 Acq: 23 Mar 2019 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.9	56.7
148	64.1	31.7	95.1

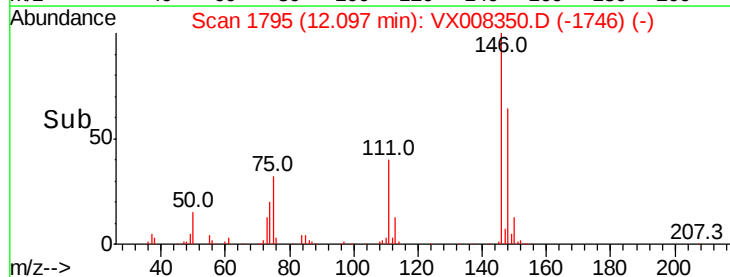
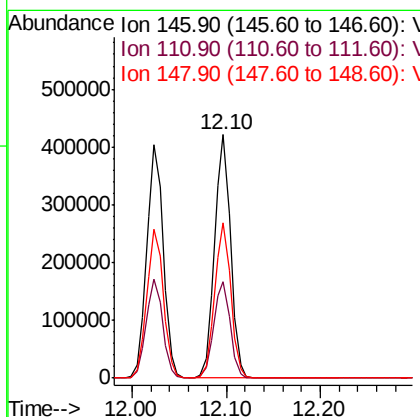
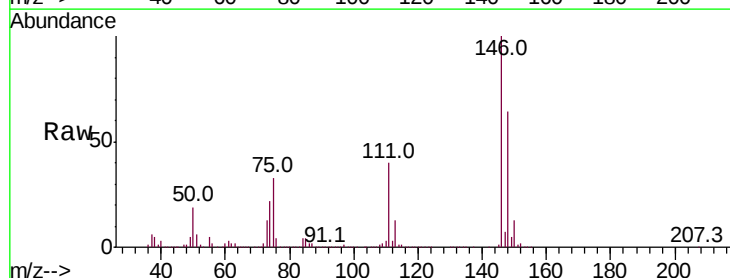
Manual Integrations
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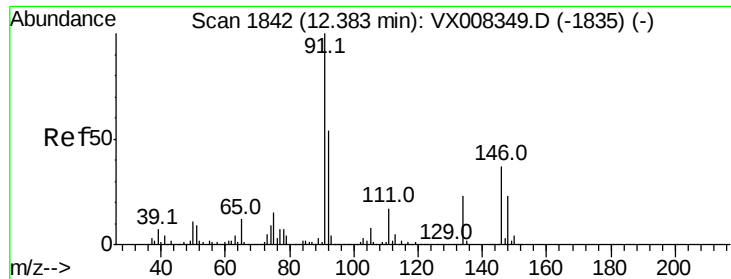
MMDadoda
 3/25/2019 11:16:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 80.825 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008350.D
 Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.4	55.0
148	63.9	32.2	96.6





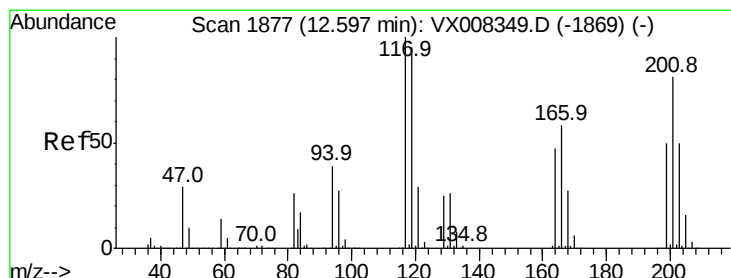
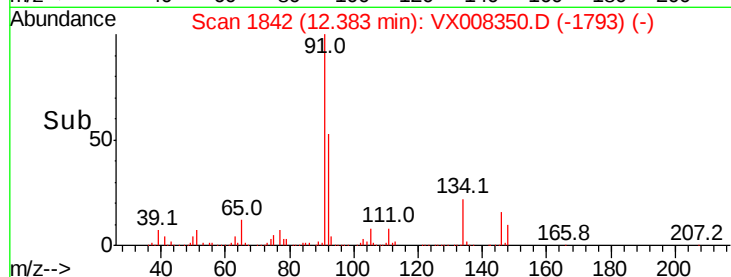
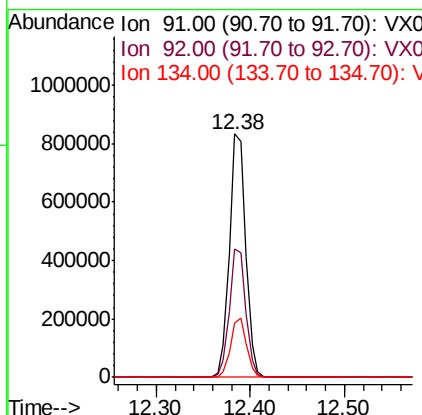
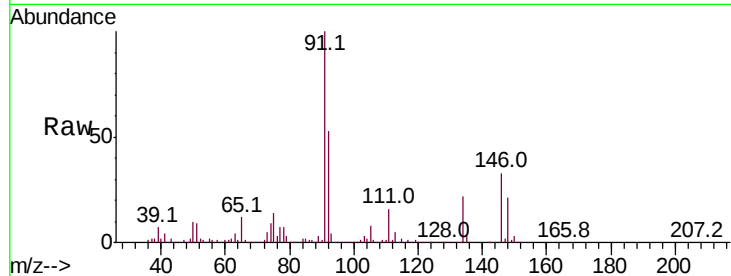
#89
n-Butylbenzene
Concen: 92.216 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1003037
Ion Ratio Lower Upper
91 100
92 53.0 27.0 80.8
134 23.7 13.7 41.0

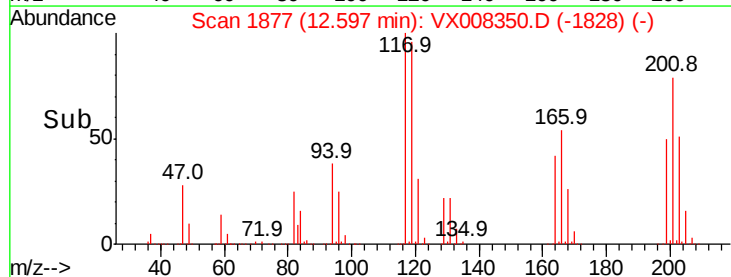
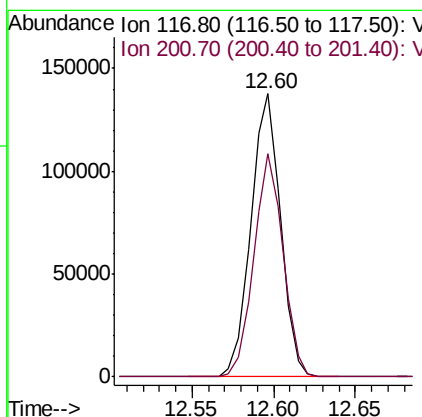
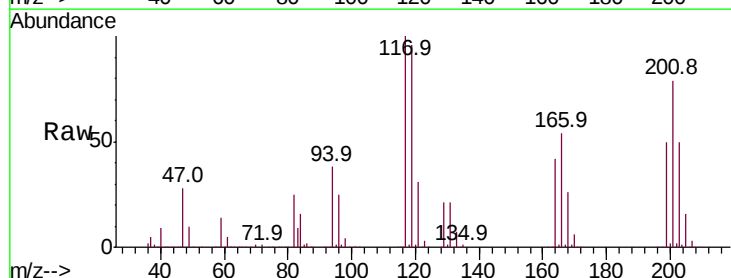
Manual Integrations
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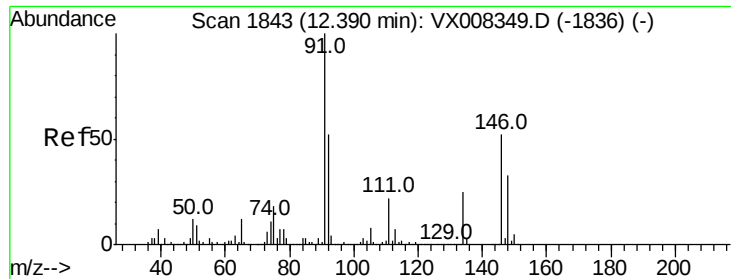
MMDadoda
3/25/2019 11:16:50 AM



#90
Hexachloroethane
Concen: 88.408 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion: 117 Resp: 174492
Ion Ratio Lower Upper
117 100
201 77.5 48.9 146.7





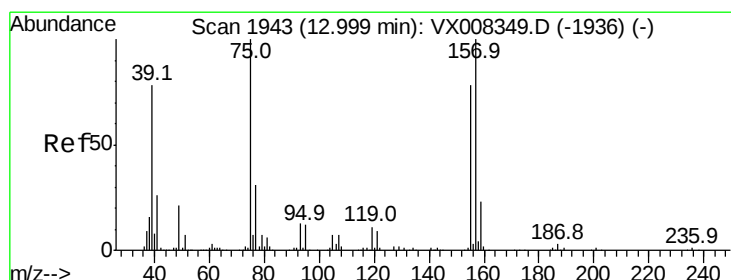
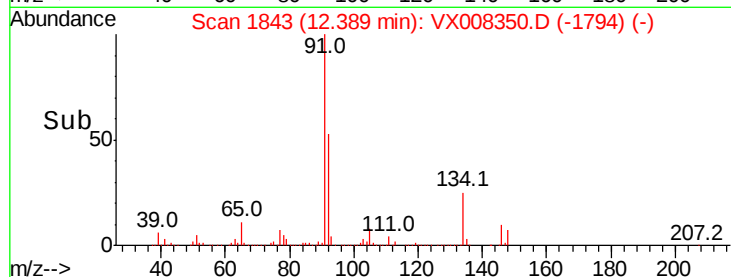
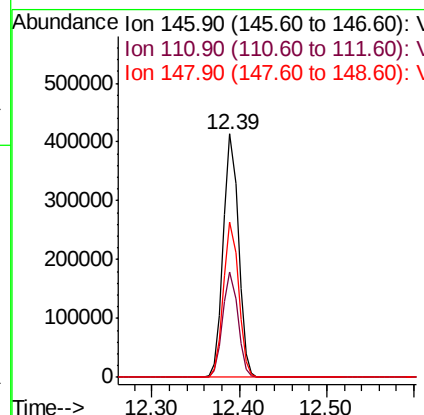
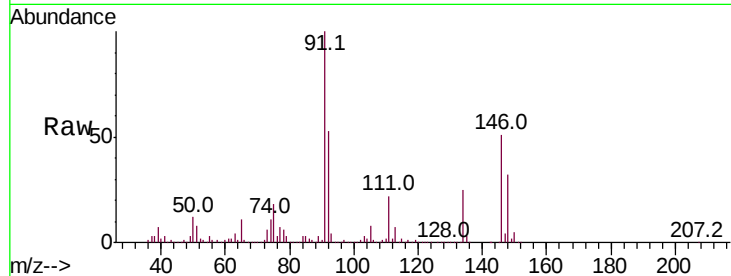
#91
 1,2-Dichlorobenzene
 Concen: 82.731 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008350.D
 Acq: 23 Mar 2019 14:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.6	58.8
148	63.7	31.9	95.5

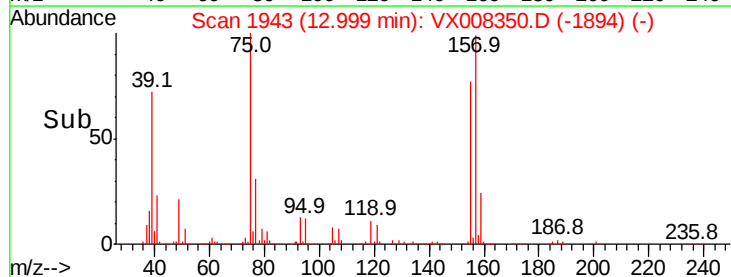
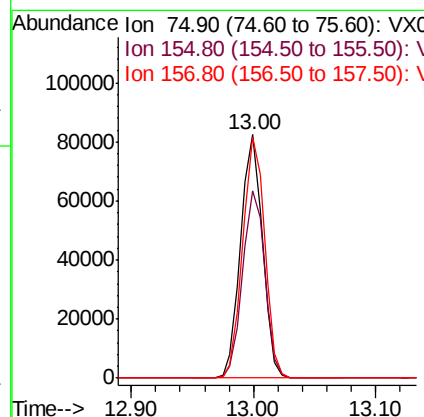
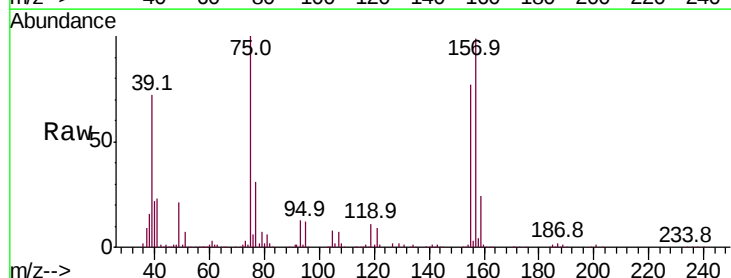
Manual Integrations
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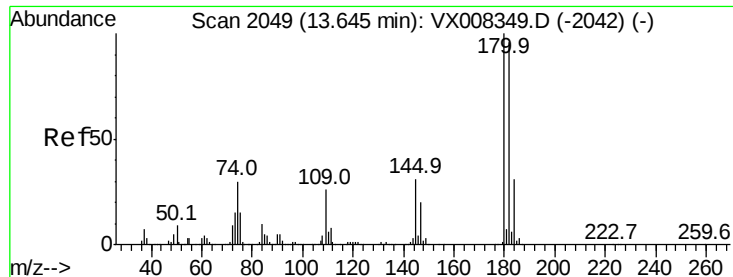
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.706 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008350.D
 Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	49.7	149.1
157	99.6	63.8	191.4





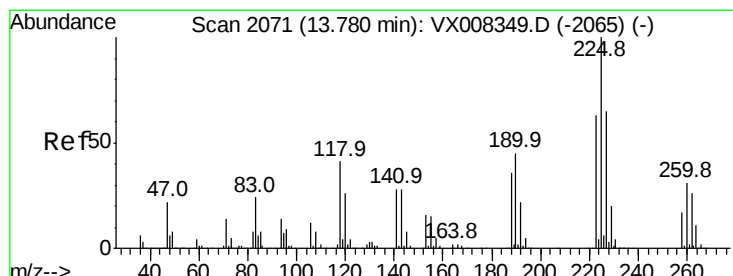
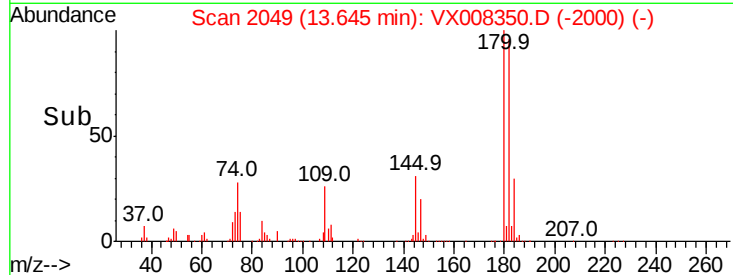
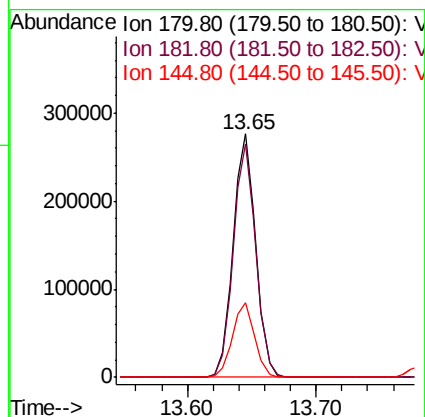
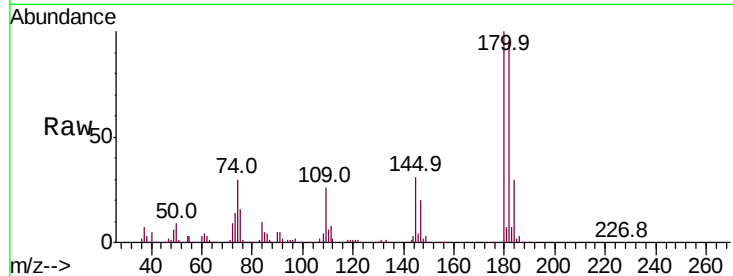
#93
1,2,4-Trichlorobenzene
Concen: 85.976 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.9	143.7	
145	30.5	14.1	42.4	

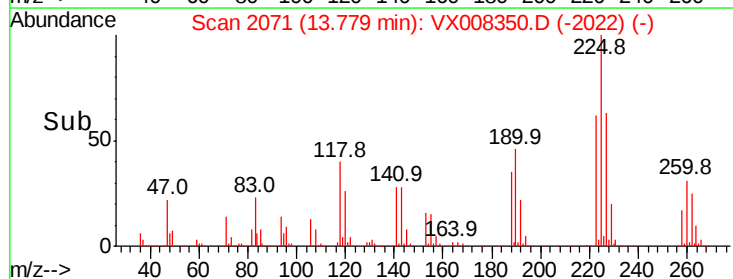
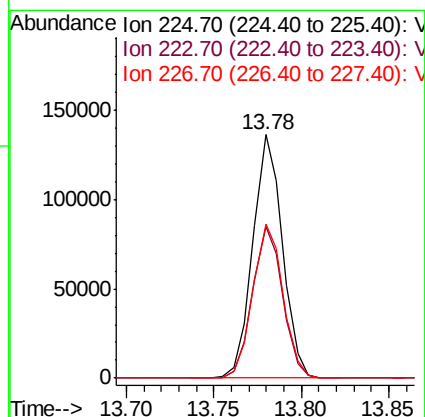
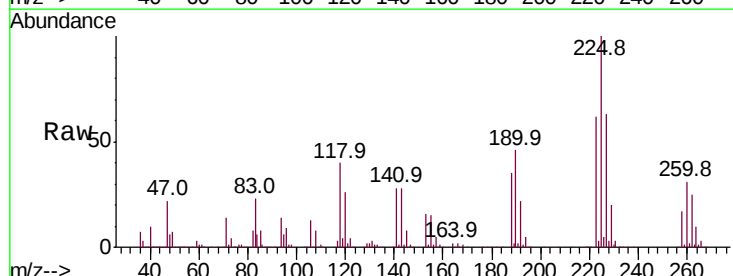
Manual Integrations
APPROVED

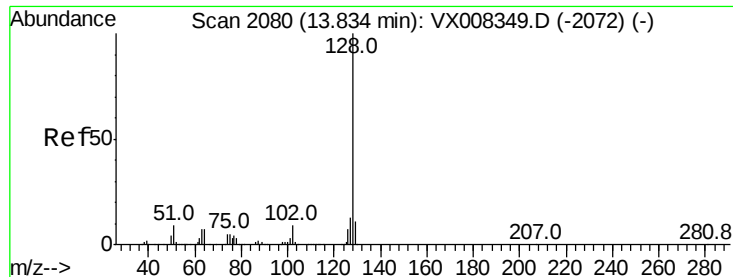
MMDadoda
3/25/2019 11:16:50 AM



#94
Hexachlorobutadiene
Concen: 83.387 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008350.D
Acq: 23 Mar 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.1	93.2	
227	64.6	32.0	96.0	





#95

Naphthalene

Concen: 94.289 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1170577

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

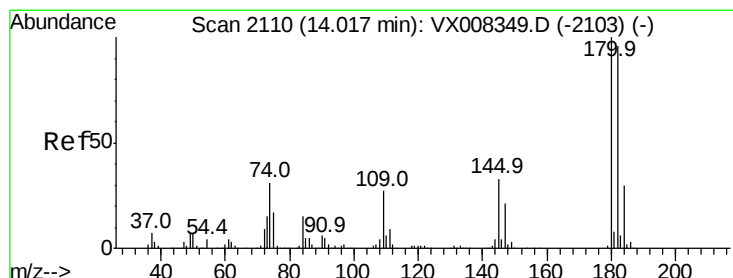
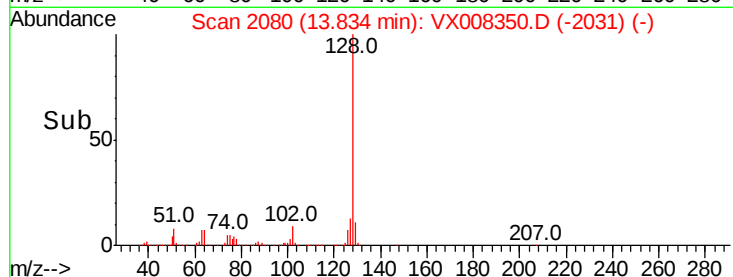
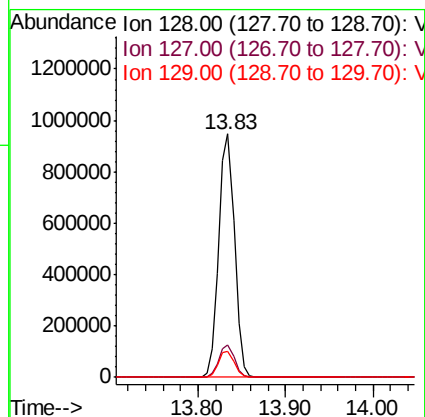
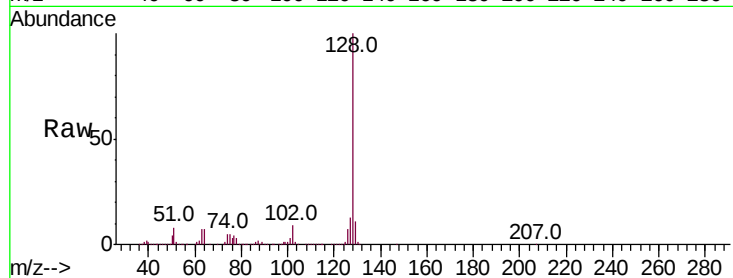
129 10.9 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

3/25/2019 11:16:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 86.835 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008350.D

Acq: 23 Mar 2019 14:42

Tgt Ion:180 Resp: 336088

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.5

145 32.6 14.8 44.3

