

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008334.D
 Acq On : 22 Mar 2019 12:37
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

Quant Time: Mar 22 15:34:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	29729	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	167161	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	146153	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	62265	30.65	ug/l	0.00	MMDadoda
Spiked Amount 30.000	Range 50 - 169		Recovery =	102.17%			
60) 4-Bromofluorobenzene	11.13	95	73407	30.86	ug/l	0.00	
Spiked Amount 30.000	Range 56 - 143		Recovery =	102.87%			
63) Toluene-d8	8.71	98	196190	29.79	ug/l	0.00	3/23/2019 9:33:51 AM
Spiked Amount 30.000	Range 66 - 137		Recovery =	99.30%			

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	245244	153.746	ug/l 99
3) Chloromethane	1.32	50	248838	152.573	ug/l 96
4) Vinyl Chloride	1.41	62	277373	150.895	ug/l 100
5) Bromomethane	1.64	94	589822	177.004	ug/l 100
6) Chloroethane	1.70	64	260398	199.323	ug/l 96
7) Trichlorofluoromethane	1.92	101	445512	152.249	ug/l 97
8) Diethyl Ether	2.19	74	174379	153.655	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	240551	148.642	ug/l 100
10) 1,1-Dichloroethene	2.37	96	243990	152.741	ug/l 98
11) Methyl Iodide	2.51	142	384286	159.143	ug/l 95
12) Methyl Acetate	2.78	43	268077	153.795	ug/l 99
13) Acrolein	2.30	56	217773	797.512	ug/l 98
14) Acrylonitrile	3.15	53	666111	770.037	ug/l 99
15) Acetone	2.45	58	221053	651.664	ug/l 99
16) Carbon Disulfide	2.57	76	671400	151.586	ug/l 100
17) Allyl chloride	2.73	41	370997	157.392	ug/l 98
18) Methylene Chloride	2.86	84	257396	149.686	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	262126	154.585	ug/l 96
20) Diisopropyl ether	3.86	45	753062	152.792	ug/l 95
21) 1,1-Dichloroethane	3.70	63	444196	152.601	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	300307	153.550	ug/l 96
23) tert-Butyl Alcohol	3.07	59	285242	812.250	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	798439	155.581	ug/l 98
25) Chloroform	5.21	83	468174	151.622	ug/l 97
26) Cyclohexane	5.59	56	394274	153.159	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	348171	146.648	ug/l 99
30) 2-Butanone	4.68	43	950463	695.037	ug/l 97
31) 2,2-Dichloropropane	4.59	77	342006	153.002	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	417978	149.624	ug/l 99
33) Carbon Tetrachloride	5.79	117	383228	149.375	ug/l 99
34) Benzene	6.14	78	1035346	146.397	ug/l 97
35) Methacrylonitrile	5.05	41	190463	149.523	ug/l 98
36) 1,2-Dichloroethane	6.20	62	374619	143.714	ug/l 98
37) Trichloroethene	7.21	130	301117	144.814	ug/l 95
38) Methylcyclohexane	7.46	83	442350	148.661	ug/l 100
39) 1,2-Dichloropropane	7.51	63	263745	146.564	ug/l 99
40) Dibromomethane	7.66	93	194941	147.701	ug/l 96

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 VSTDICC150

Manual Integrations
 APPROVED

Quant Time: Mar 22 15:34:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	378513	151.138	ug/l	100
42) Vinyl Acetate	3.82	43	3475326	756.109	ug/l	100
43) Ethyl Acetate	4.84	43	354396	146.735	ug/l #	82
44) Isopropyl Acetate	6.45	43	581292	153.020	ug/l	98
45) 1,4-Dioxane	7.74	88	142429	2980.926	ug/l	99
46) Methyl methacrylate	7.77	41	282227	151.412	ug/l	99
47) n-amyl Acetate	10.90	43	544817	167.280	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	407960	162.699	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	442945	158.309	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	275425	145.261	ug/l	95
51) Ethyl methacrylate	9.18	69	436437	157.664	ug/l	99
52) 1,3-Dichloropropane	9.37	76	439194	144.431	ug/l	100
53) Dibromochloromethane	9.59	129	329078	153.965	ug/l	100
54) 1,2-Dibromoethane	9.67	107	304935	146.582	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	1055981	758.235	ug/l	99
56) Bromoform	10.86	173	276153	163.655	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	1871137	760.383	ug/l	97
59) 2-Hexanone	9.49	43	1472473	756.444	ug/l	98
61) Tetrachloroethene	9.34	164	277599	141.100	ug/l	99
62) Toluene	8.79	91	1147242	147.882	ug/l	99
64) Chlorobenzene	10.14	112	739585	147.877	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	289543	151.580	ug/l	99
66) Ethyl Benzene	10.25	91	1260633	150.256	ug/l	99
67) m/p-Xylenes	10.36	106	1012635	303.681	ug/l	99
68) o-Xylene	10.70	106	488850	152.609	ug/l	100
69) Styrene	10.71	104	847690	156.747	ug/l	97
70) Isopropylbenzene	11.02	105	1284881	152.455	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	434238	151.098	ug/l	99
72) 1,1,2,3-Trichloropropane	11.30	75	341037m	142.172	ug/l	
73) Bromobenzene	11.26	156	355335	152.385	ug/l	97
74) n-propylbenzene	11.36	91	1465882	156.042	ug/l	100
75) 2-Chlorotoluene	11.42	91	857545	152.855	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	1118408	155.338	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	148584	181.174	ug/l	89
78) 4-Chlorotoluene	11.51	91	1036051	156.913	ug/l	97
79) tert-butylbenzene	12.07	119	1200916	158.570	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	1108089	154.882	ug/l	99
81) sec-Butylbenzene	11.94	105	1260913	153.541	ug/l	99
82) p-Isopropyltoluene	12.07	119	1200916	158.570	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	636311	157.220	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	642618	159.441	ug/l	98
85) n-Butylbenzene	12.39	91	1090274	167.361	ug/l	100
86) Hexachloroethane	12.60	117	213429	163.514	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	626112	156.865	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	107935	164.064	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	472659	167.318	ug/l	99
90) Hexachlorobutadiene	13.78	225	228808	160.897	ug/l	98
91) Naphthalene	13.83	128	1424427	167.888	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	468630	164.095	ug/l	99

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC150

Manual Integrations
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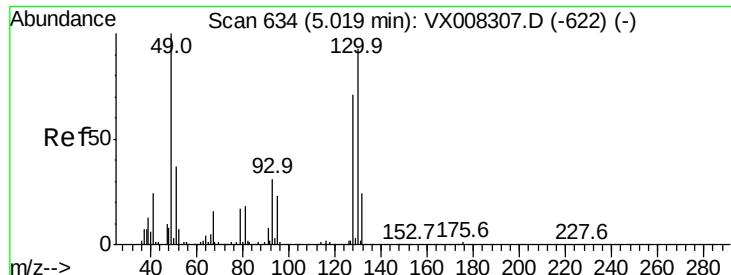
Quant Time: Mar 22 15:34:44 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 22 13:03:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 29729

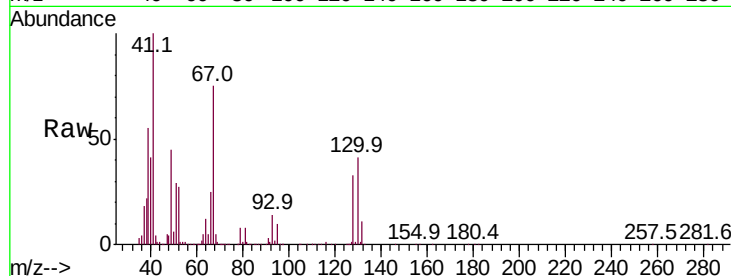
Ion Ratio Lower Upper

128 100

49 144.5 0.0 350.8

130 131.0 0.0 325.8

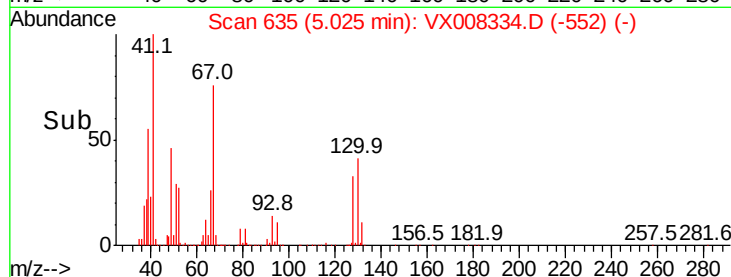
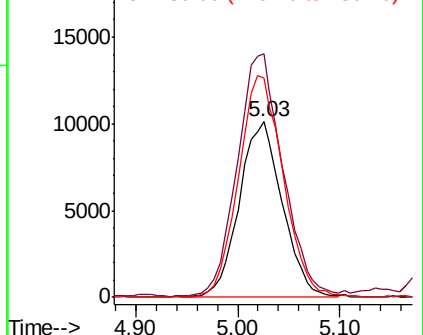
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Abundance Ion 128.00 (127.70 to 128.70): V

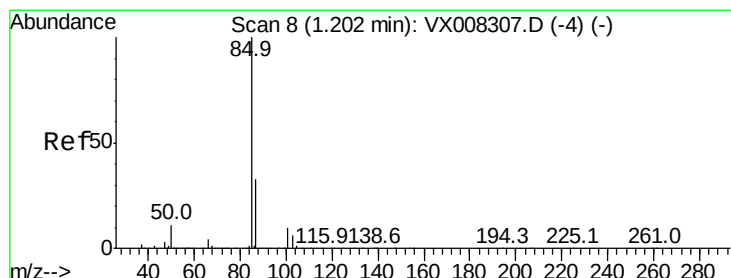
Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



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#2

Dichlorodifluoromethane

Concen: 153.746 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX008334.D

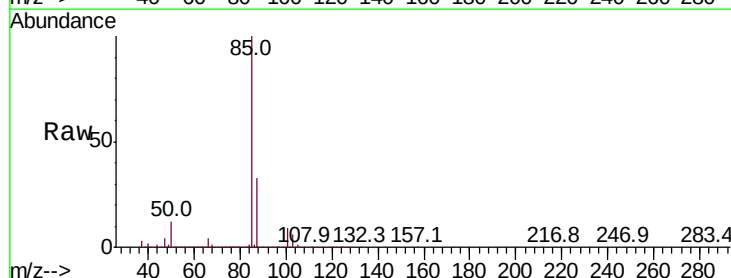
Acq: 22 Mar 2019 12:37

Tgt Ion: 85 Resp: 245244

Ion Ratio Lower Upper

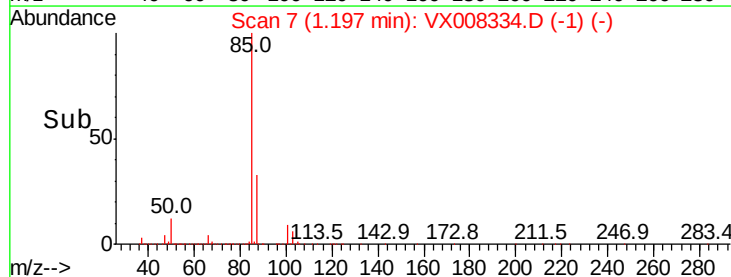
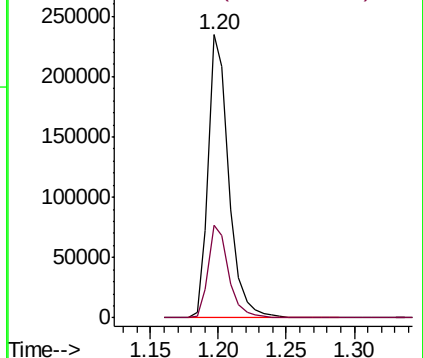
85 100

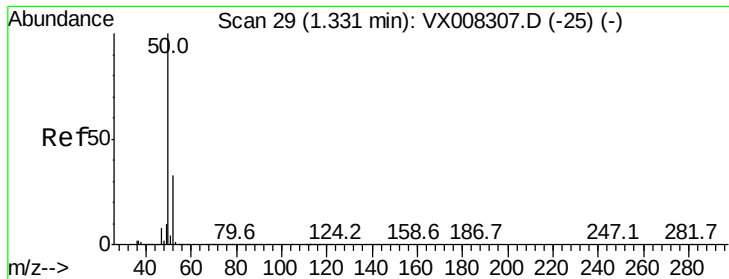
87 32.6 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 152.573 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

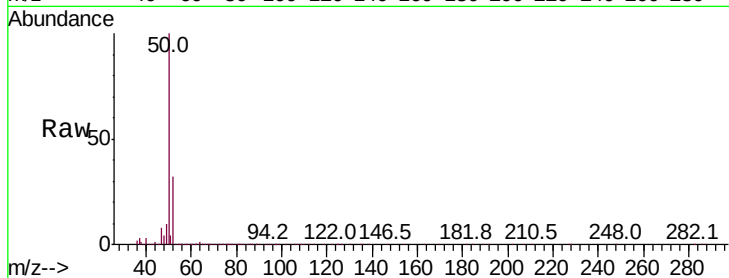
Tot Ion: 50 Resp: 248838

Ion Ratio Lower Upper

50 100

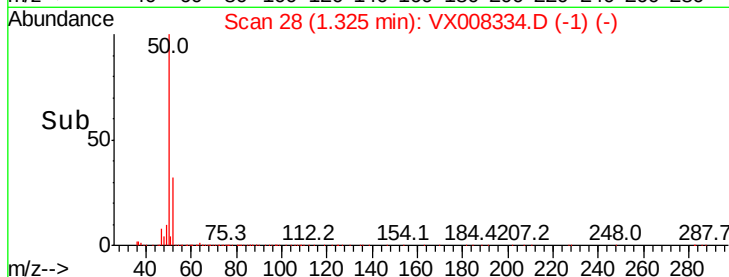
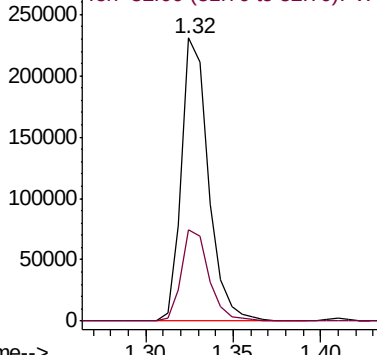
52 32.3 27.5 41.3

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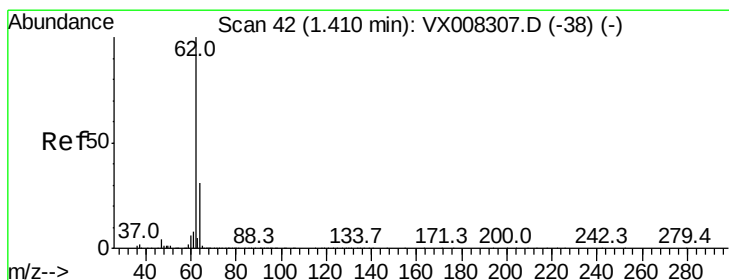
Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



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#4

Vinyl Chloride

Concen: 150.895 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008334.D

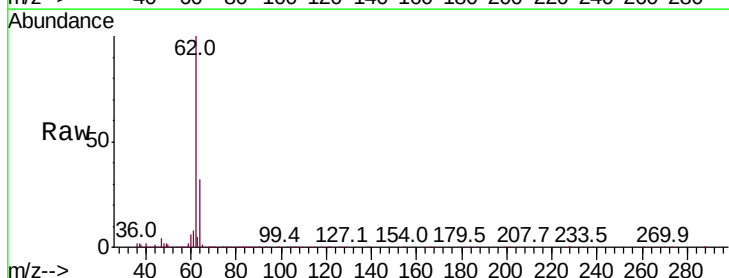
Acq: 22 Mar 2019 12:37

Tgt Ion: 62 Resp: 277373

Ion Ratio Lower Upper

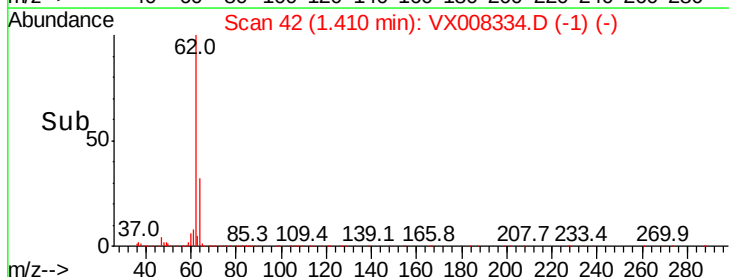
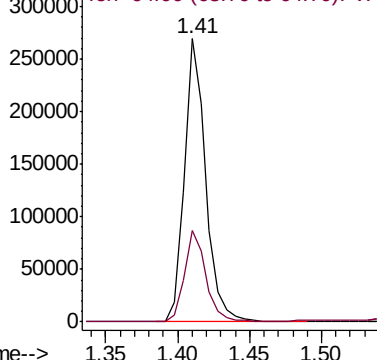
62 100

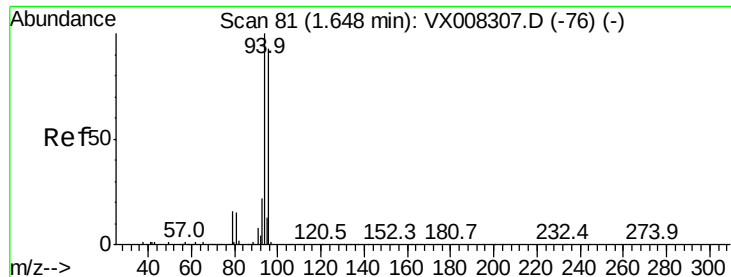
64 32.2 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 177.004 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

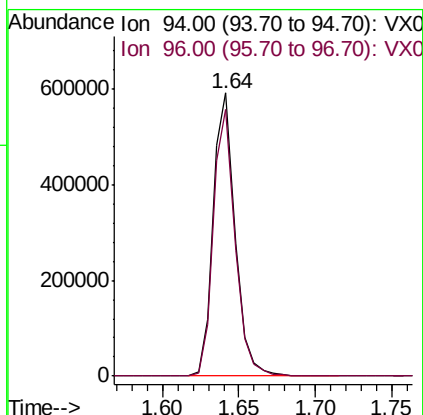
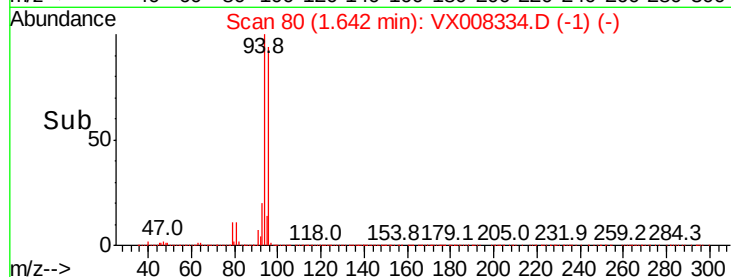
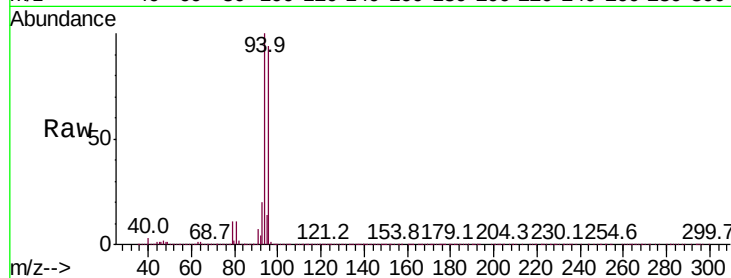
Tot Ion: 94 Resp: 589822

Ion Ratio Lower Upper

94 100

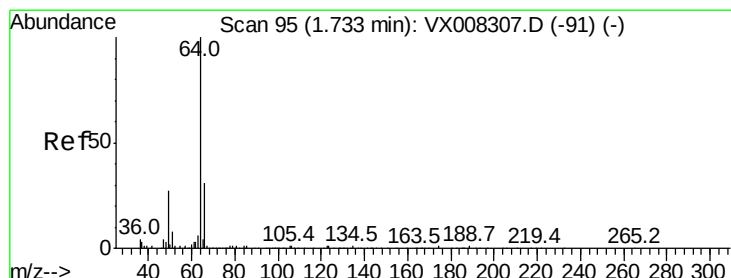
96 94.3 75.6 113.4

Manual Integrations
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#6

Chloroethane

Concen: 199.323 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.03 min

Lab File: VX008334.D

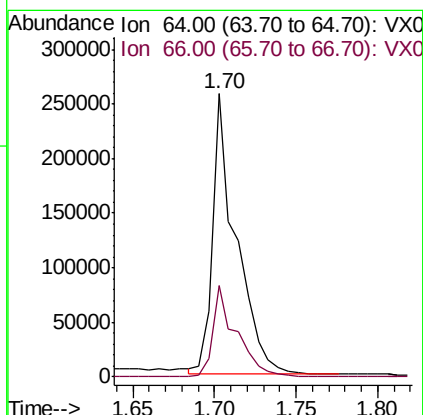
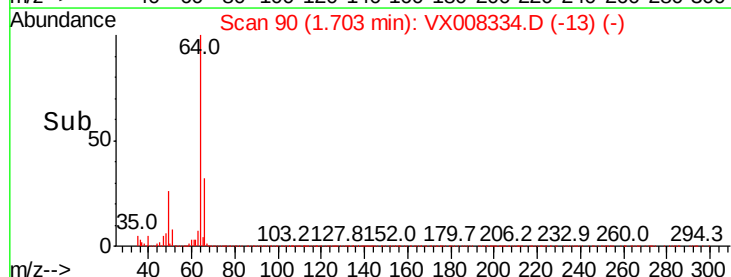
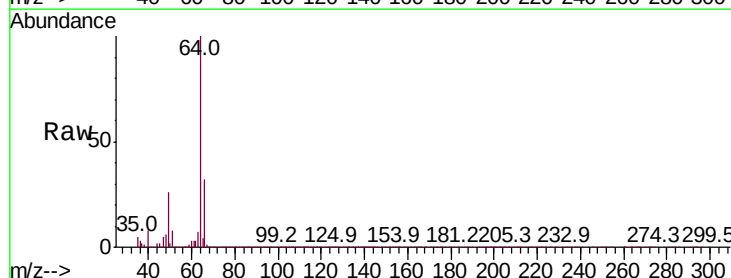
Acq: 22 Mar 2019 12:37

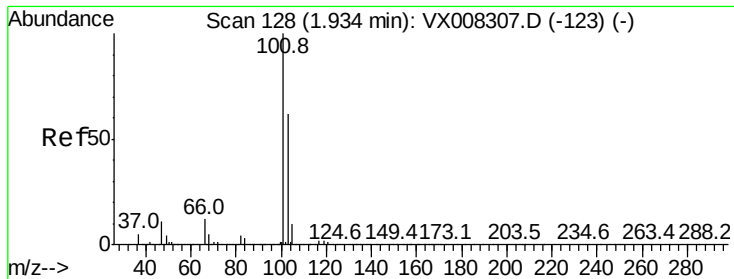
Tgt Ion: 64 Resp: 260398

Ion Ratio Lower Upper

64 100

66 32.2 23.9 35.9





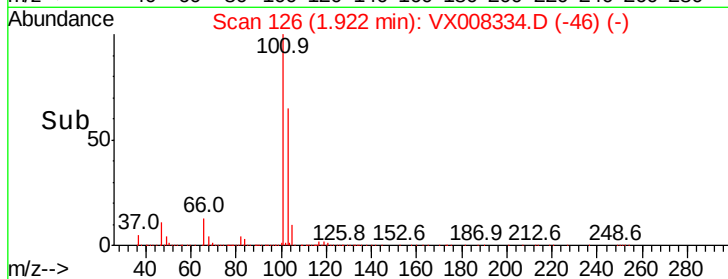
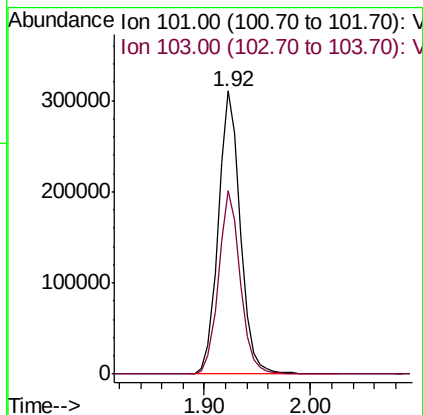
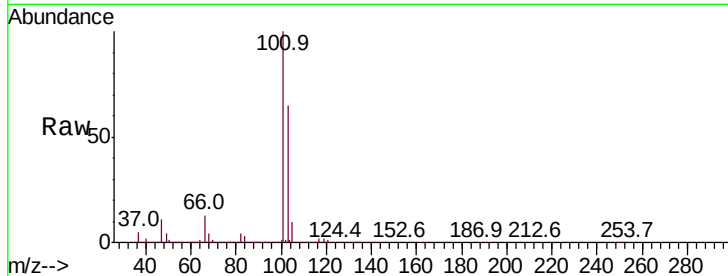
#7

Trichlorofluoromethane
Concen: 152.249 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

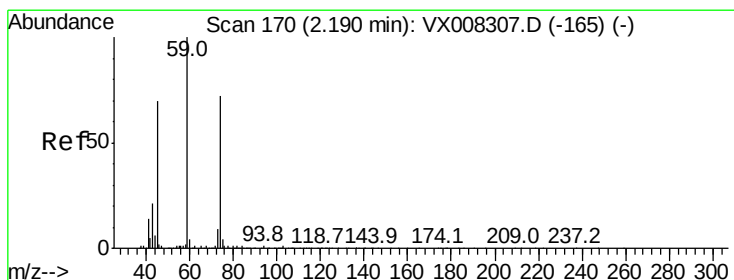
Tot Ion	Ratio	Resp	Lower	Upper
101	100	445512		
103	65.0		50.4	75.6

Manual Integrations
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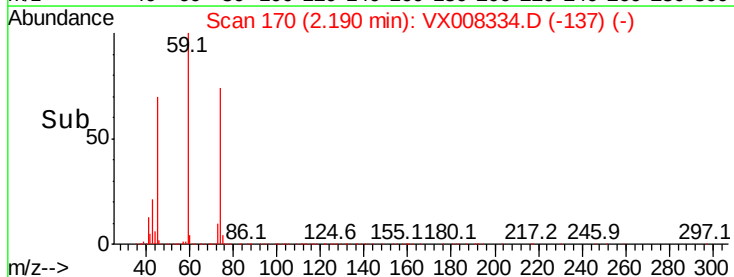
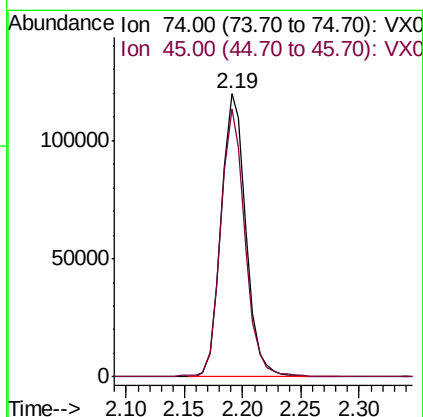
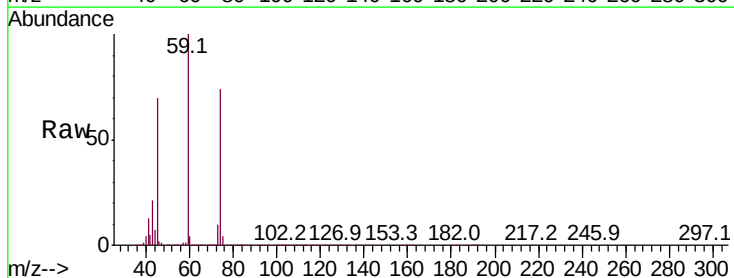
3/23/2019 9:33:51 AM

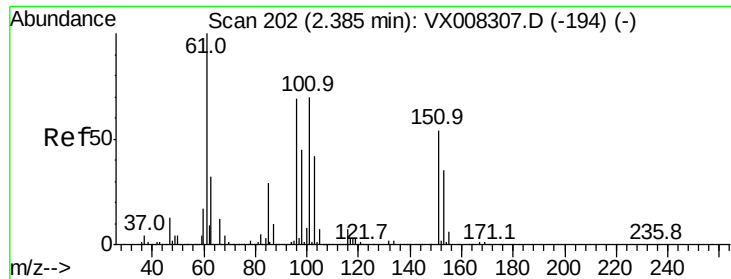


#8

Diethyl Ether
Concen: 153.655 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	174379		
45	93.0		18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.642 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

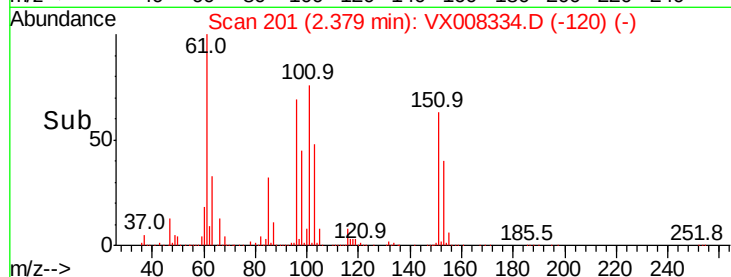
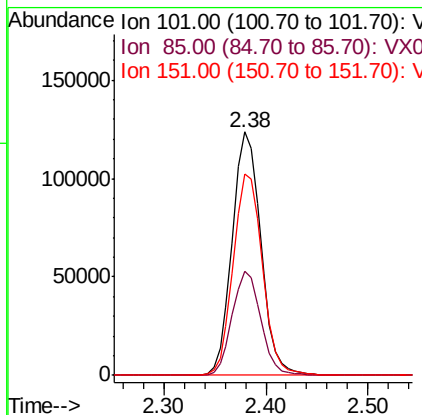
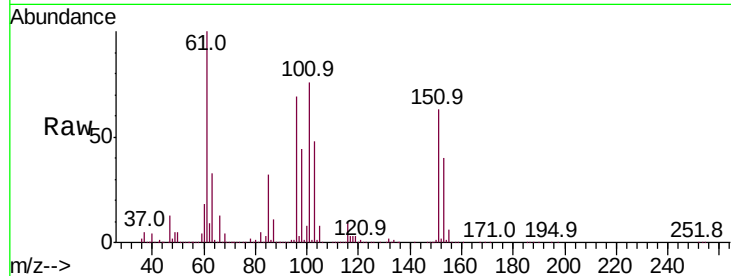
MSVOA_X

ClientSampled :

VSTDIC150

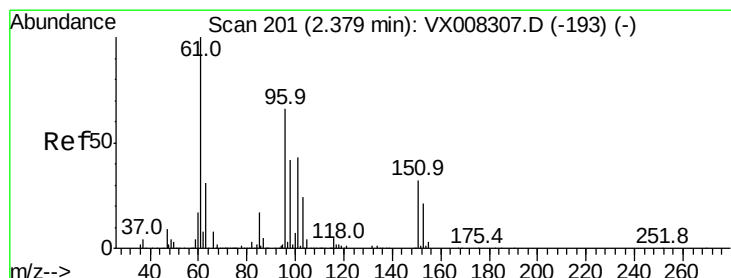
Tot Ion:	101	Resp:	240551
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	86.8
151	84.6	0.0	169.2

Manual Integrations
APPROVED



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3/23/2019 9:33:51 AM



#10

1,1-Dichloroethene

Concen: 152.741 ug/l

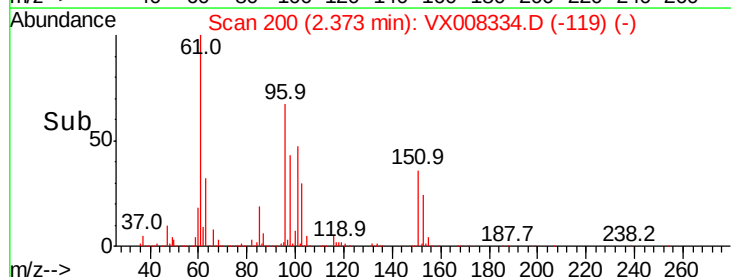
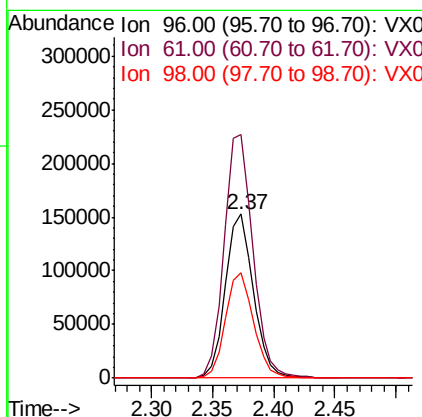
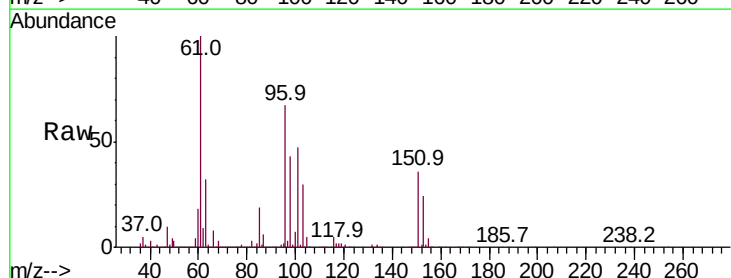
RT: 2.37 min Scan# 200

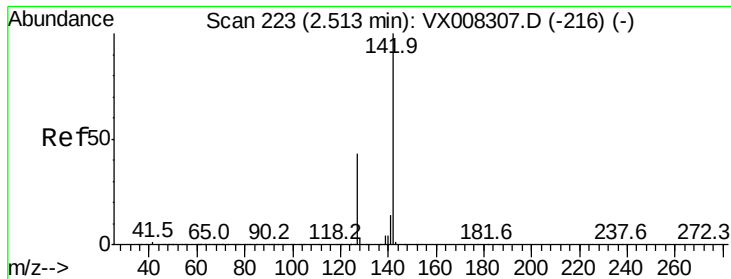
Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	96	Resp:	243990
Ion Ratio	Lower	Upper	
96	100		
61	148.7	120.2	180.2
98	64.5	49.0	73.4



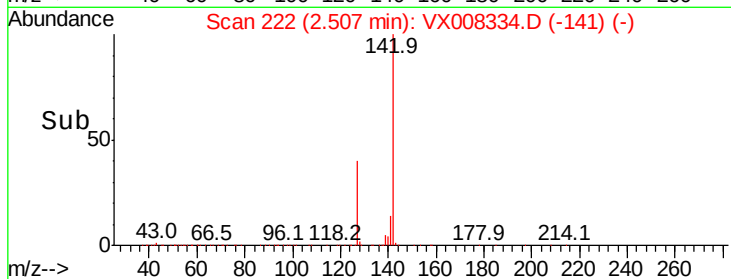
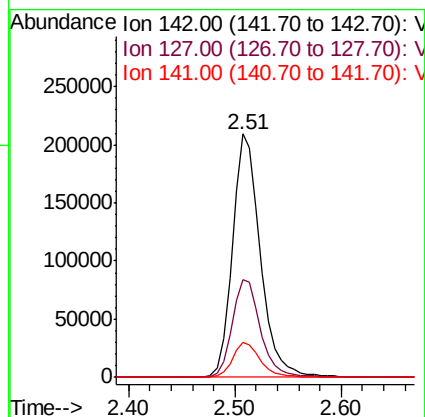
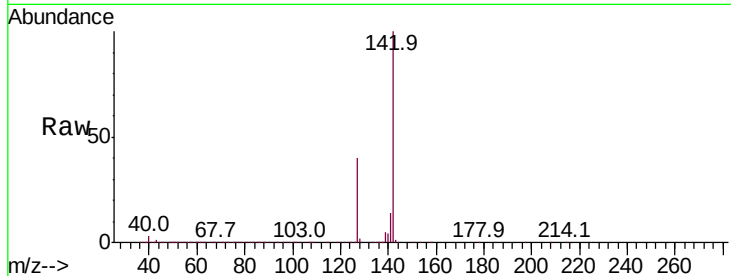


#11
Methvl Iodide
Concen: 159.143 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

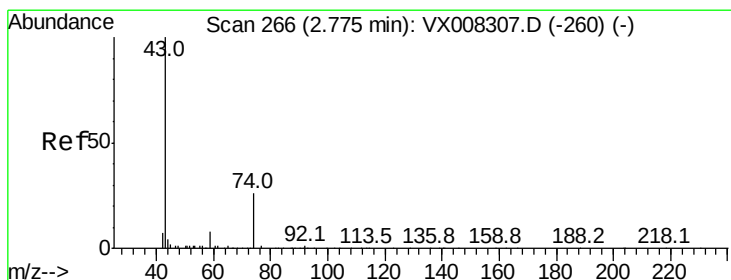
Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	22.1	66.5
141	14.4	7.4	22.3

Manual Integrations
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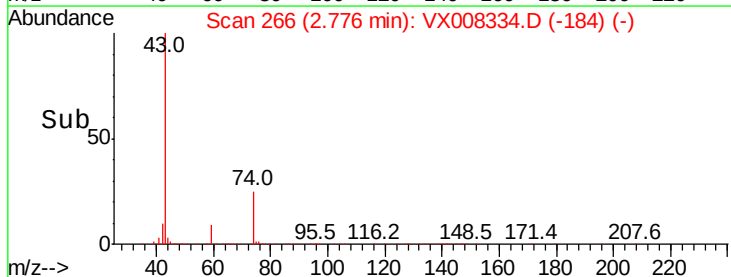
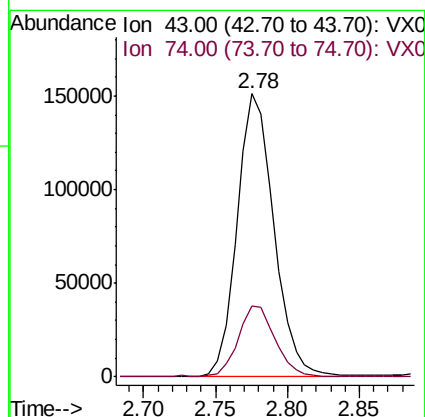
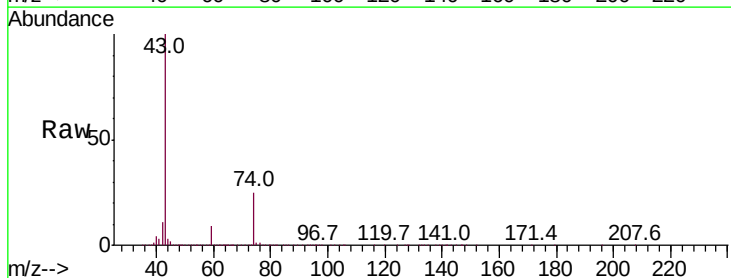
MMDadoda

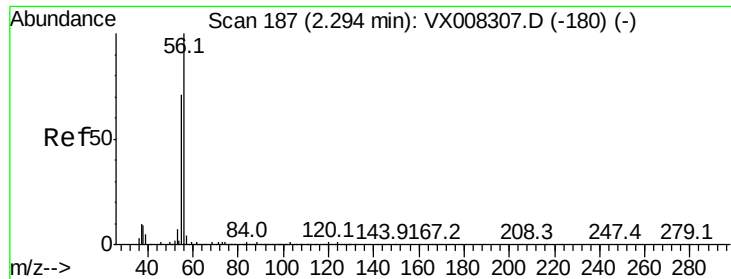
3/23/2019 9:33:51 AM



#12
Methyl Acetate
Concen: 153.795 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.4	29.0





#13

Acrolein

Concen: 797.512 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

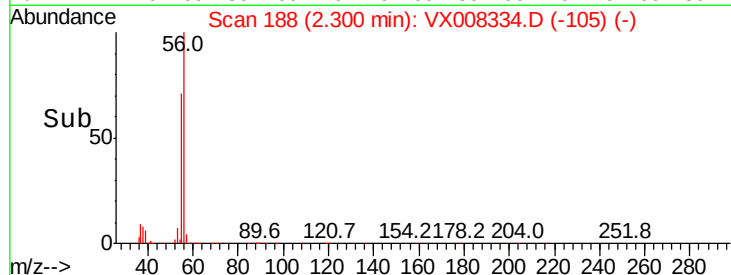
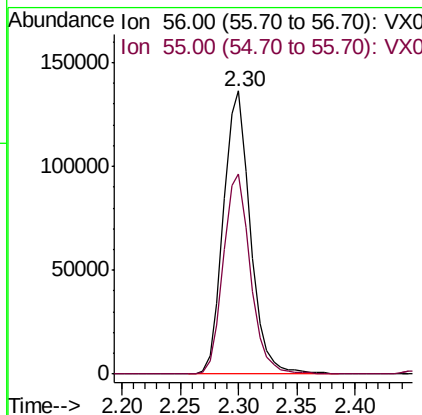
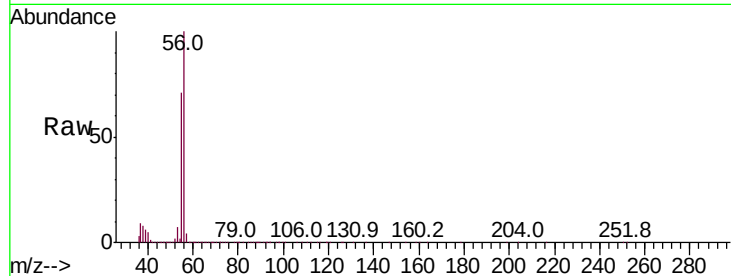
Tot Ion: 56 Resp: 217773

Ion Ratio Lower Upper

56 100

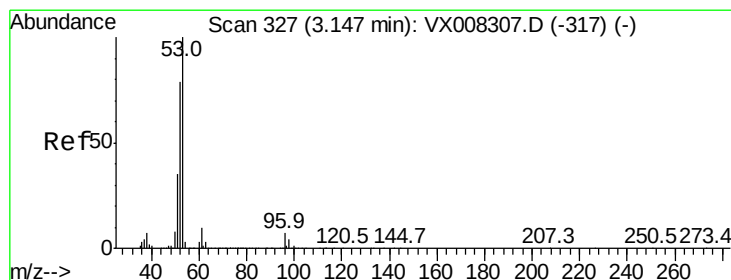
55 71.3 58.6 87.8

Manual Integrations
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#14

Acrylonitrile

Concen: 770.037 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

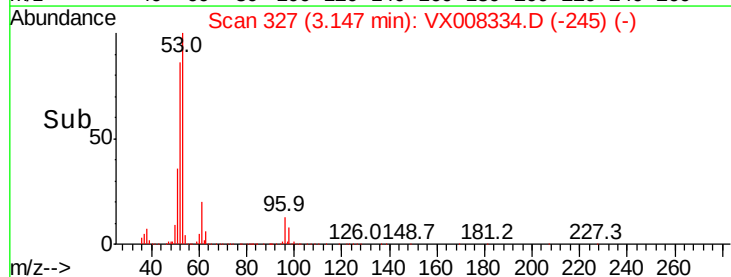
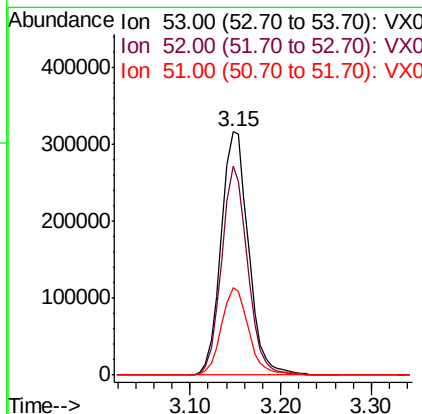
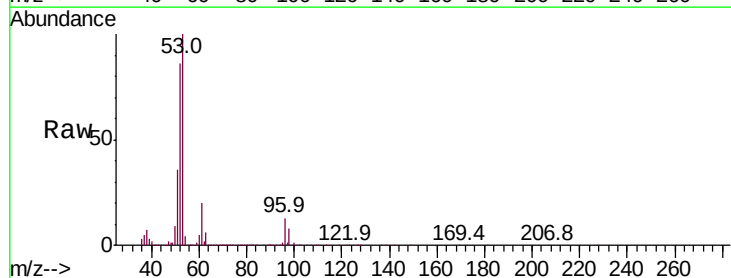
Tgt Ion: 53 Resp: 666111

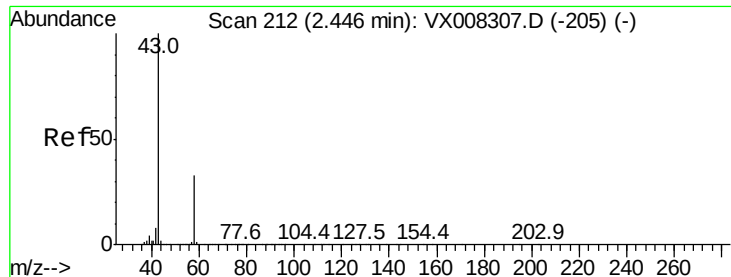
Ion Ratio Lower Upper

53 100

52 81.7 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 651.664 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tot Ion: 58 Resp: 221053

Ion Ratio Lower Upper

58 100

43 309.4 249.8 374.6

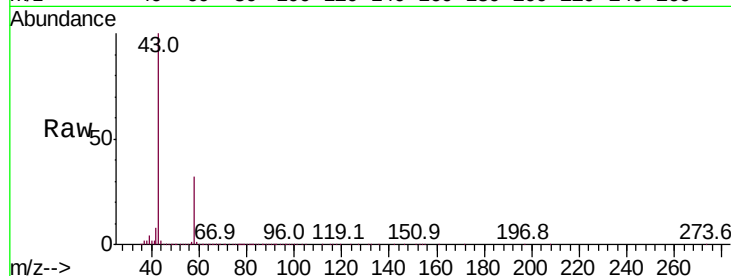
Instrument :

MSVOA_X

ClientSampled :

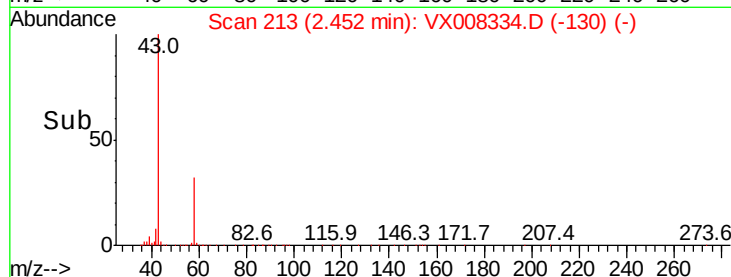
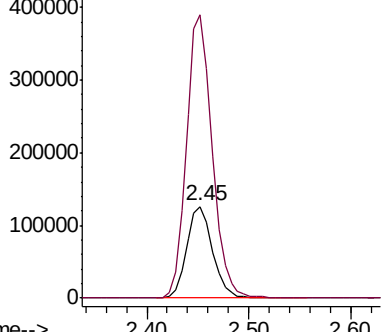
VSTDIC150

Manual Integrations
APPROVED



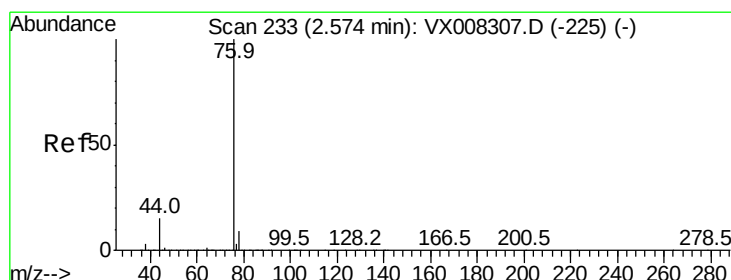
Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



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#16

Carbon Disulfide

Concen: 151.586 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008334.D

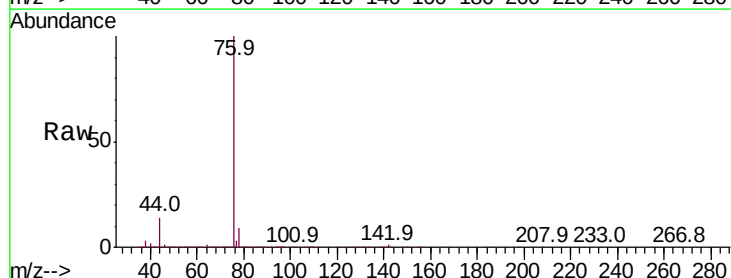
Acq: 22 Mar 2019 12:37

Tgt Ion: 76 Resp: 671400

Ion Ratio Lower Upper

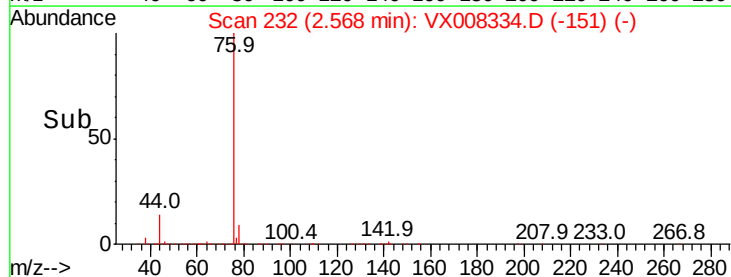
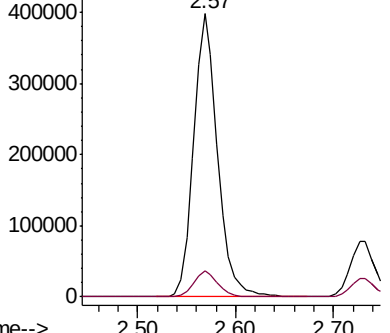
76 100

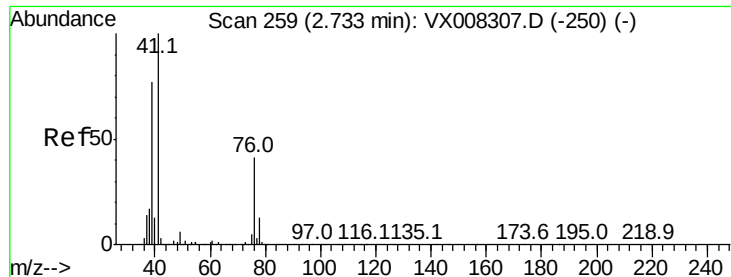
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



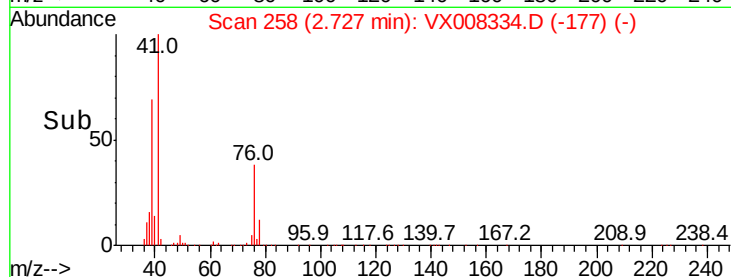
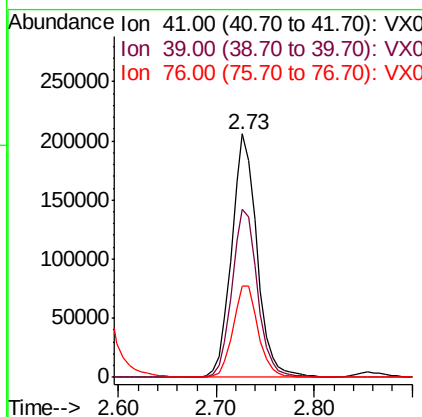
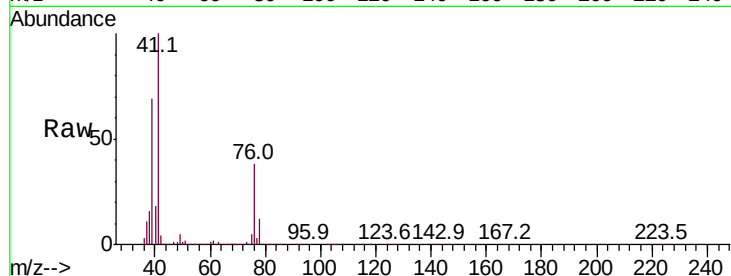


#17
Allvl chloride
Concen: 157.392 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

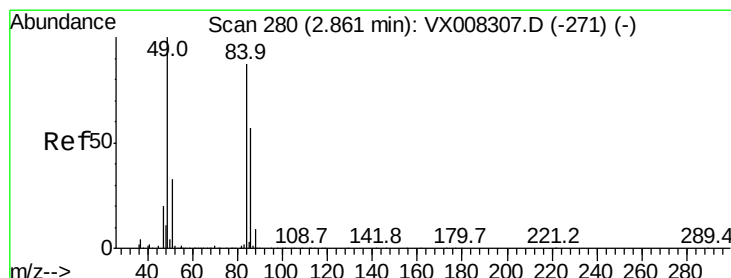
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.2	35.8	107.4
76	37.5	18.3	54.9

Manual Integrations
APPROVED



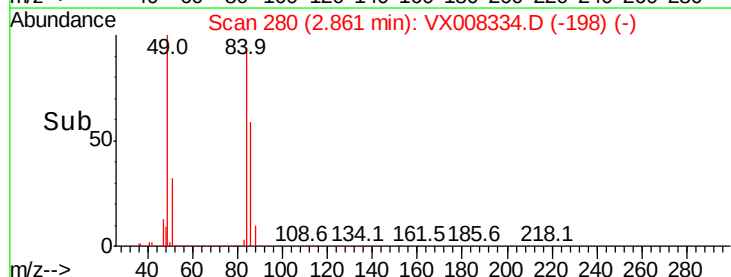
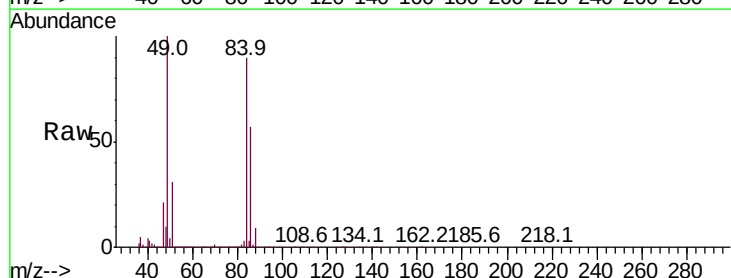
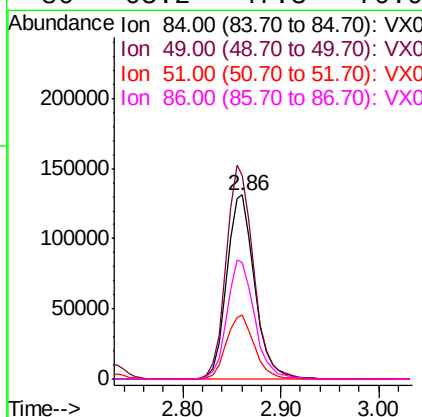
MMDadoda

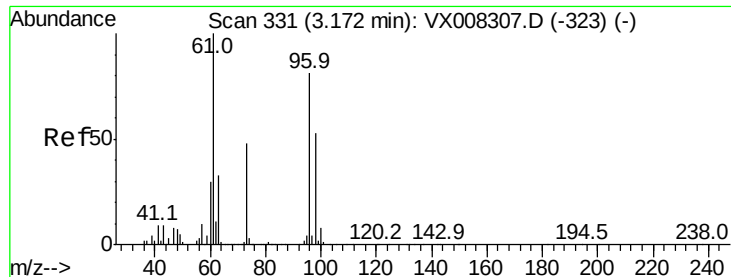
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#18
Methylene Chloride
Concen: 149.686 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.8	96.1	144.1
51	34.5	29.1	43.7
86	63.2	47.3	70.9



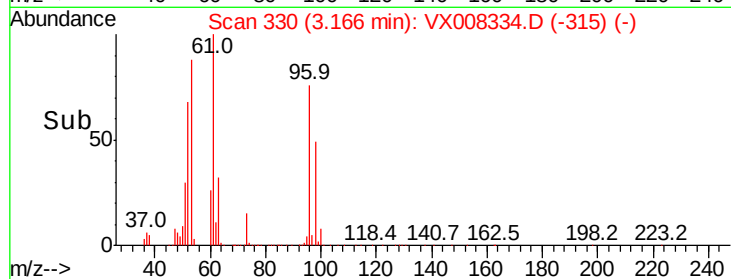
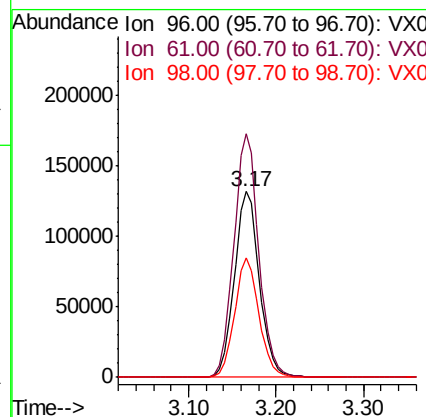
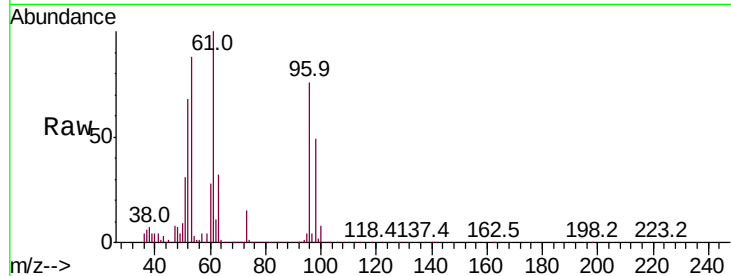


#19
trans-1,2-Dichloroethene
Concen: 154.585 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

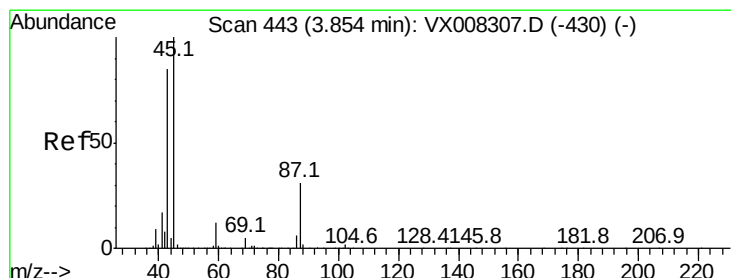
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	109.9	164.9
98	64.0	50.4	75.6

Manual Integrations
APPROVED



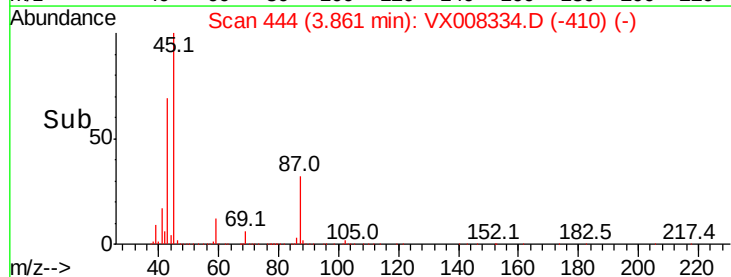
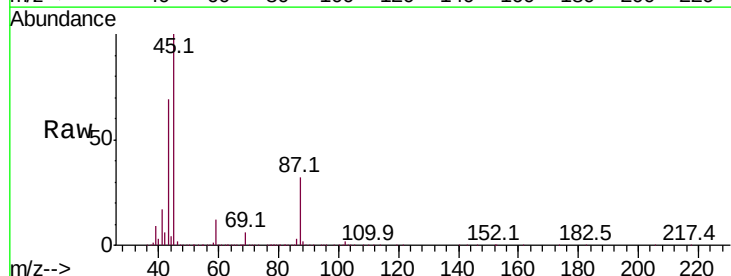
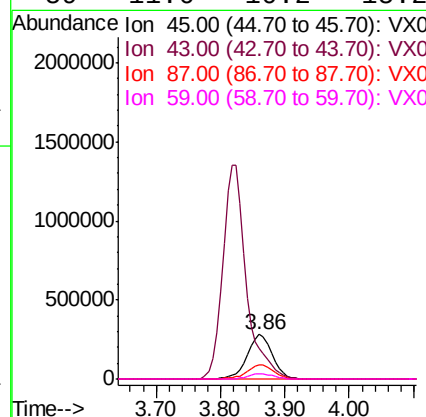
MM Dadoda

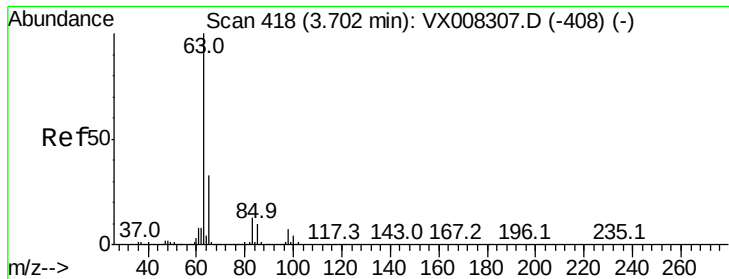
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#20
Diisopropyl ether
Concen: 152.792 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.2	50.6	76.0
87	31.8	24.5	36.7
59	11.6	10.2	15.2





#21

1,1-Dichloroethane

Concen: 152.601 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

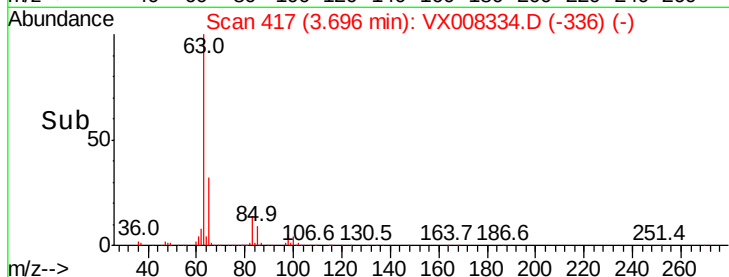
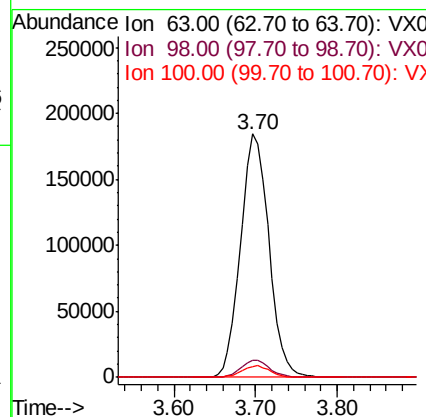
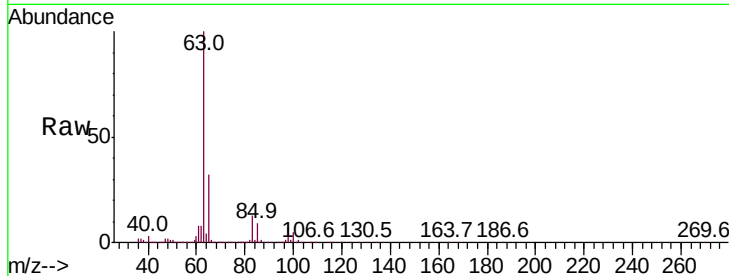
MSVOA_X

ClientSampled :

VSTDIC150

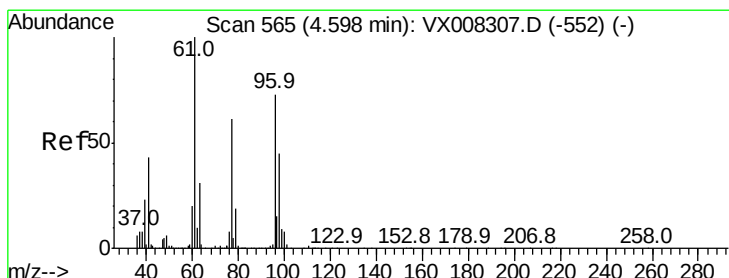
Tot Ion:	63	Resp:	444196
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.8	11.4
100	4.5	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 153.550 ug/l

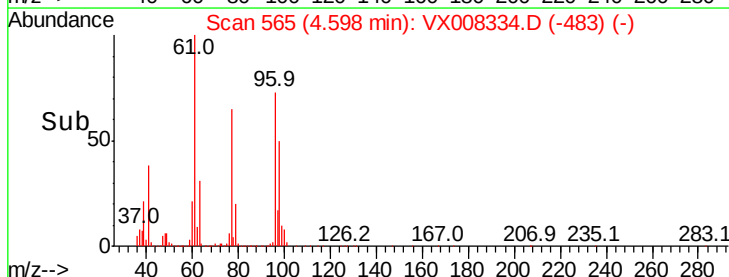
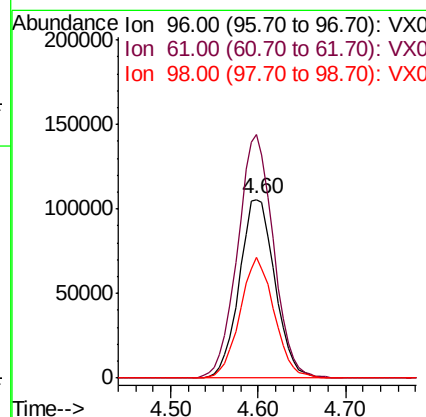
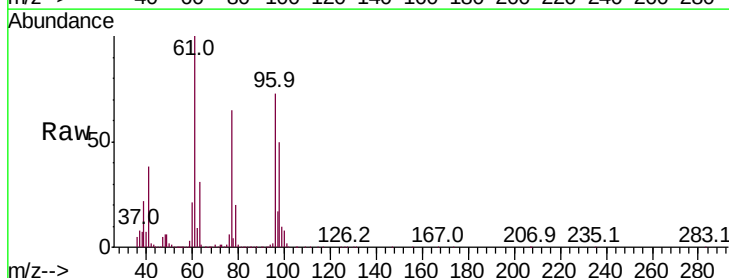
RT: 4.60 min Scan# 565

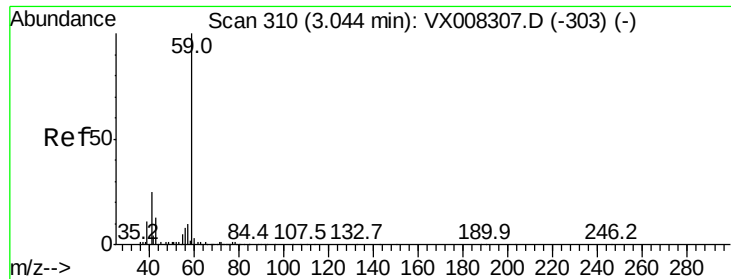
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	96	Resp:	300307
Ion Ratio	Lower	Upper	
96	100		
61	136.6	103.5	155.3
98	64.7	52.1	78.1



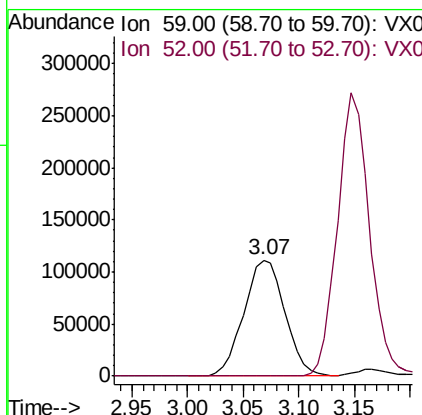
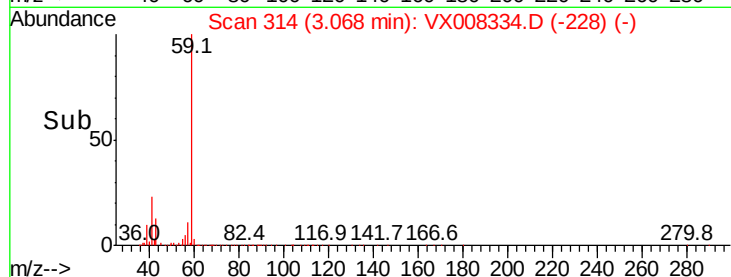
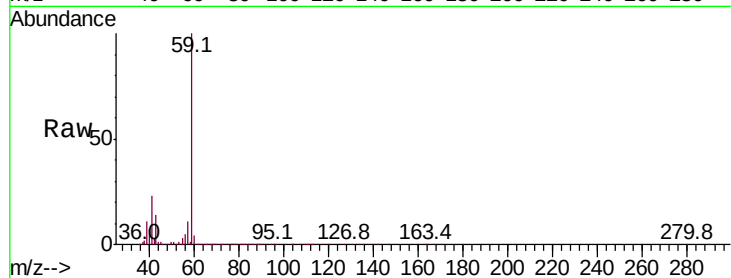


#23
 tert-Butyl Alcohol
 Concen: 812.250 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.02 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

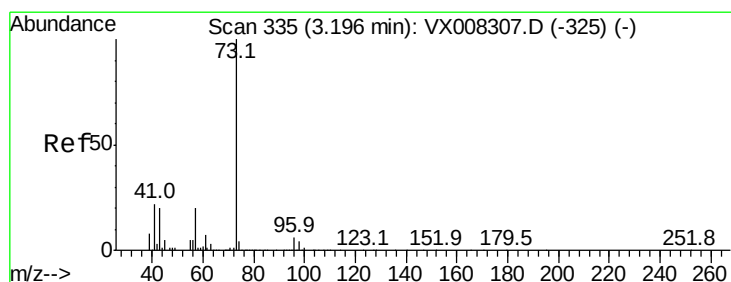
Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

Manual Integrations
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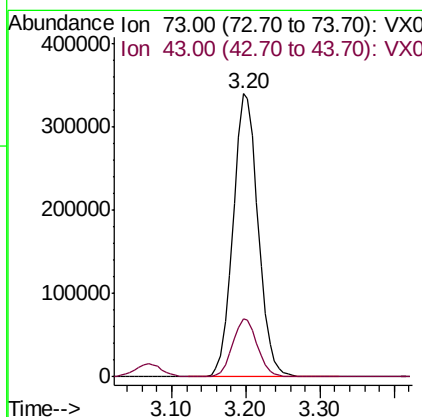
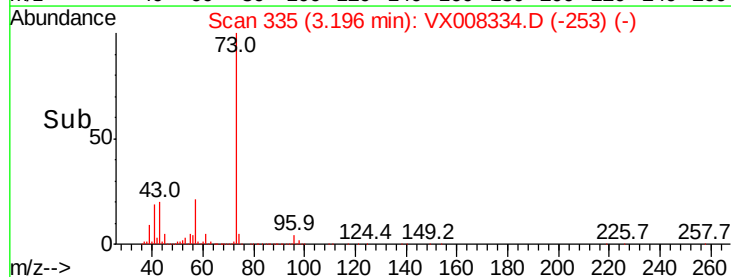
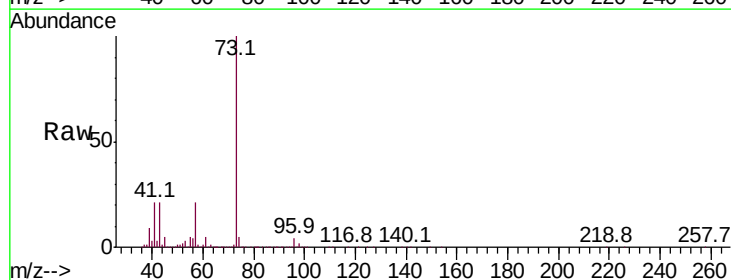
MMDadoda

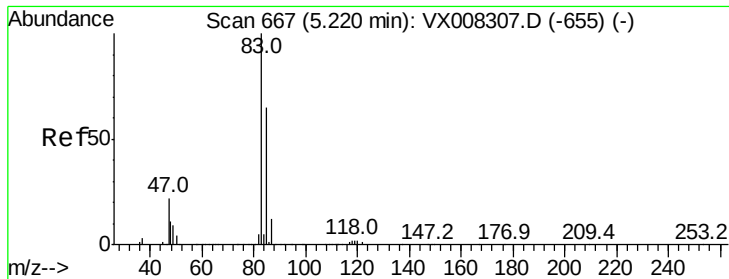
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#24
 Methyl tert-Butyl Ether
 Concen: 155.581 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.4	17.1	25.7



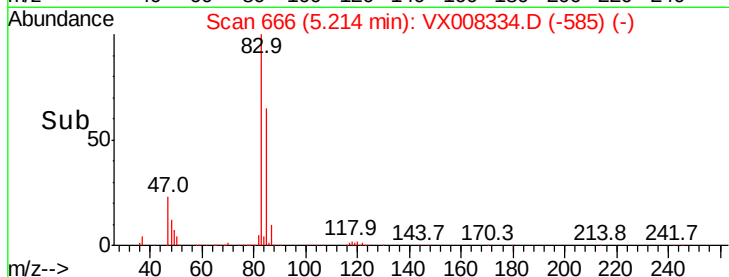
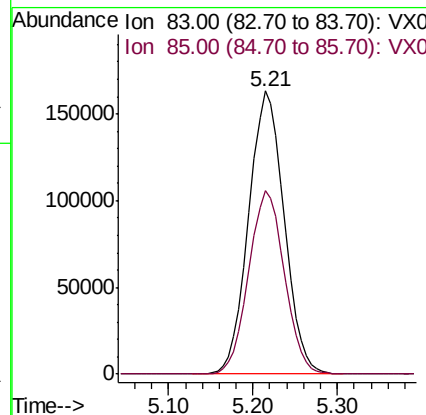
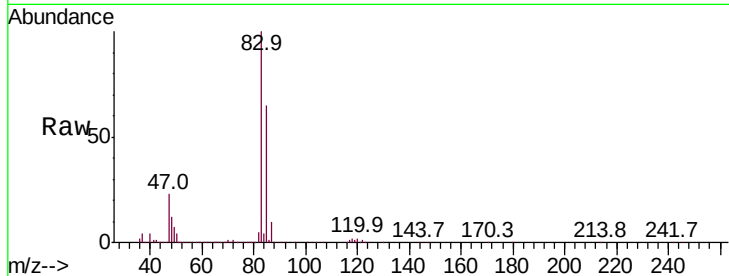


#25
Chloroform
Concen: 151.622 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

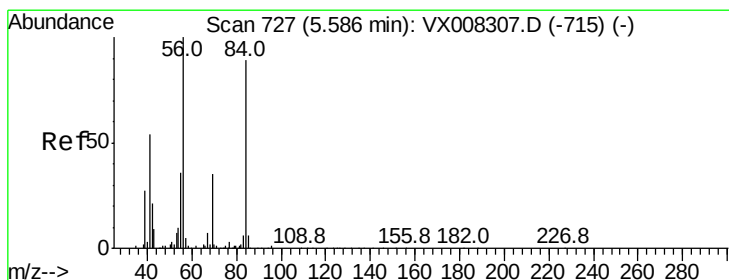
Tot Ion	83	Resp	468174
Ion Ratio	100	Lower	Upper
85	64.6	53.8	80.6

Manual Integrations
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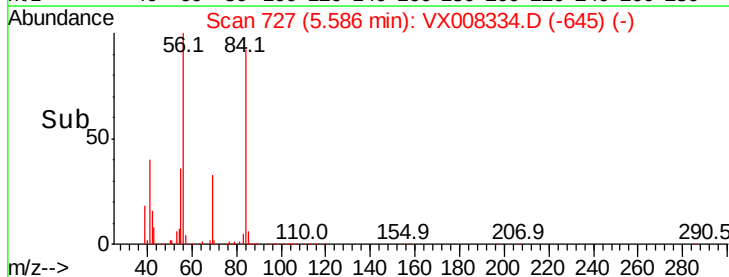
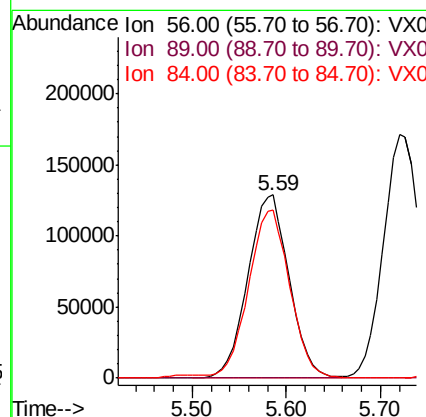
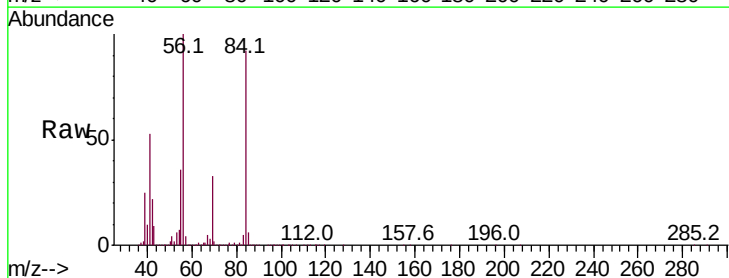
MMDadoda

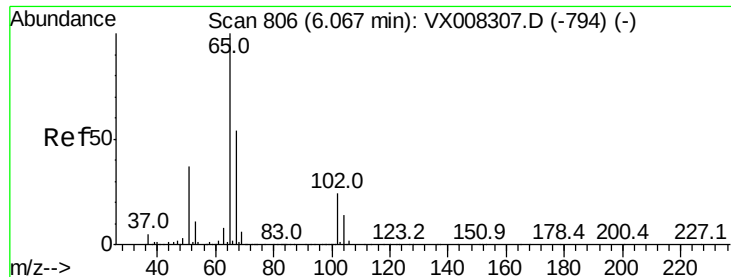
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#26
Cyclohexane
Concen: 153.159 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	56	Resp	394274
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0#
84	92.1	73.9	110.9



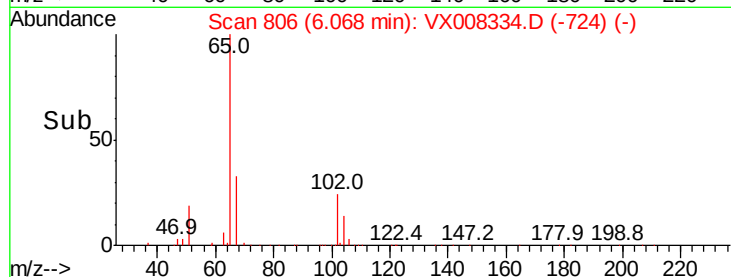
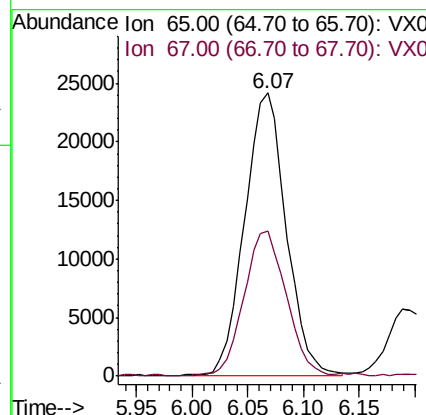
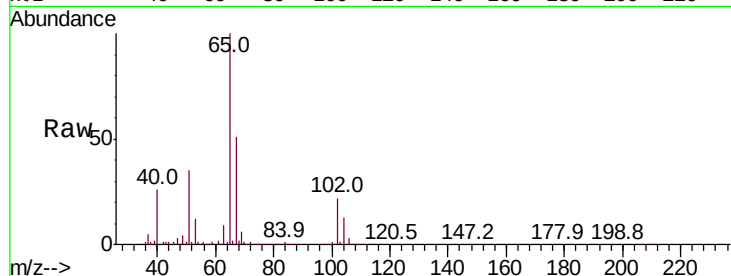


#27
 1,2-Dichloroethane-d4
 Concen: 30.650 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

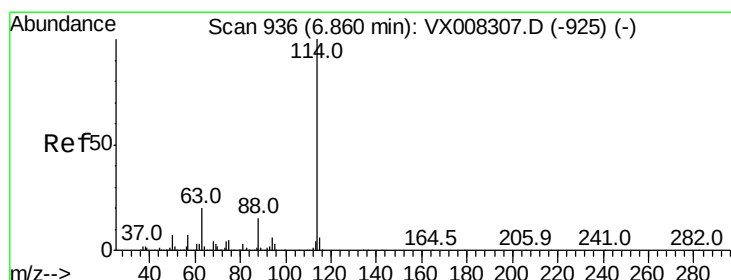
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	42.9	64.3

Manual Integrations
 APPROVED



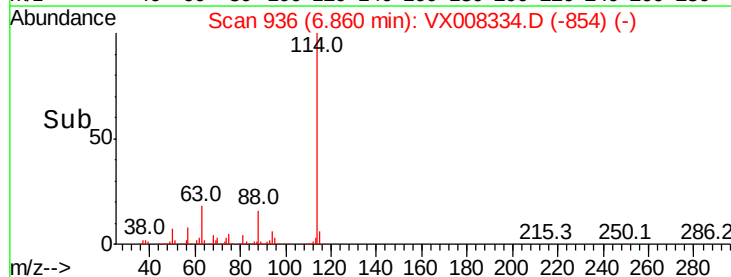
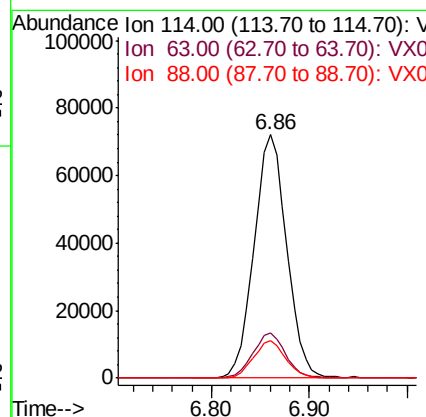
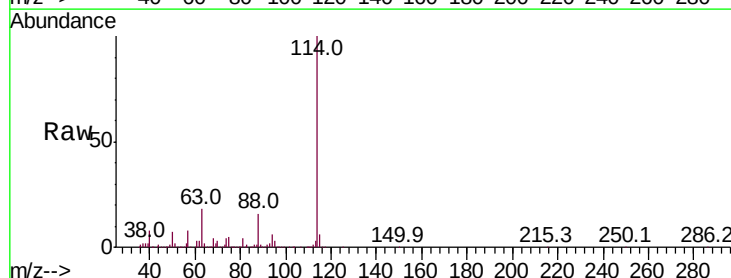
MMDadoda

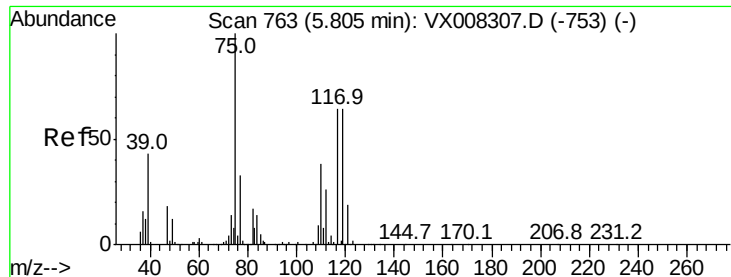
3/23/2019 9:33:51 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	14.2	21.4
88	15.3	11.9	17.9





#29

1,1-Dichloropropene

Concen: 146.648 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

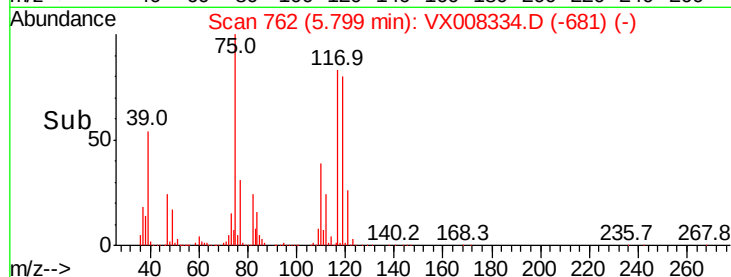
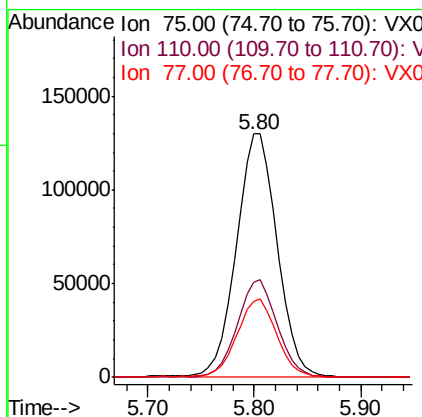
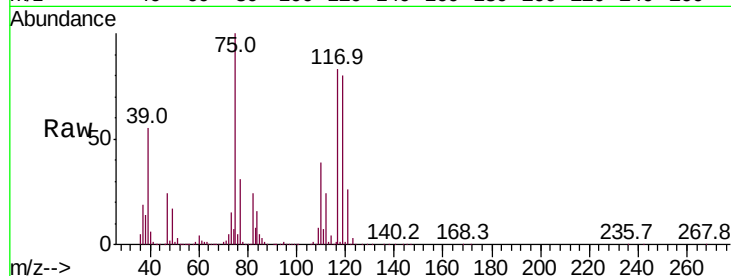
MSVOA_X

ClientSampleId :

VSTDIC150

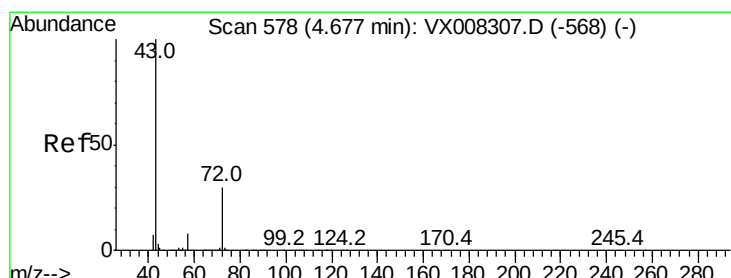
Tot Ion:	75	Resp:	348171
Ion Ratio	Lower	Upper	
75	100		
110	39.3	0.0	80.8
77	31.4	0.0	62.4

Manual Integrations
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#30

2-Butanone

Concen: 695.037 ug/l

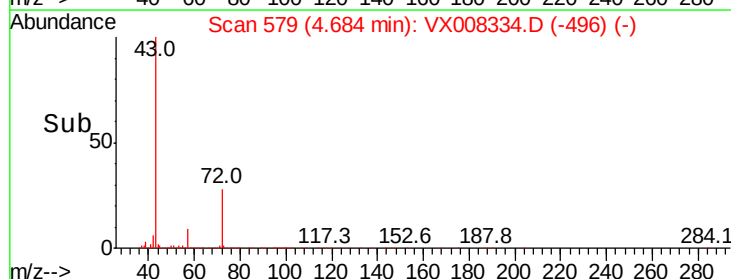
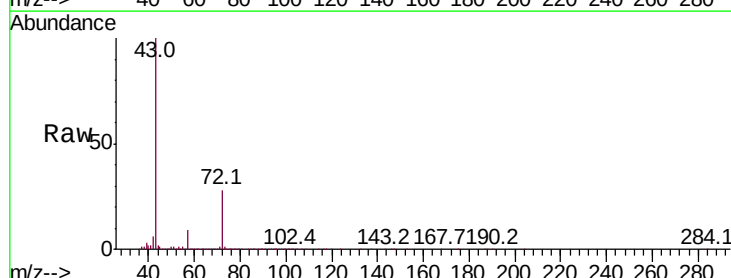
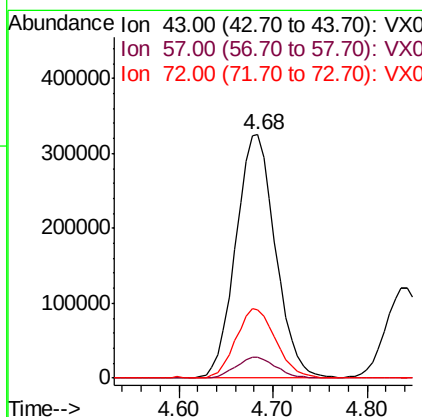
RT: 4.68 min Scan# 579

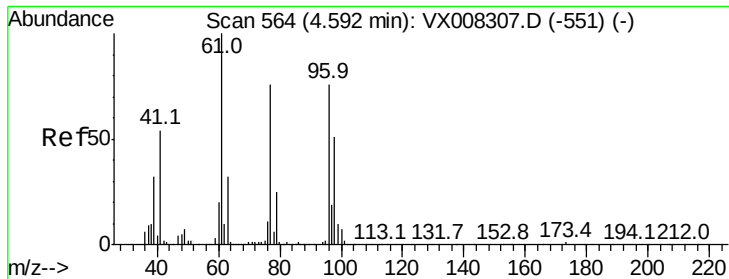
Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	43	Resp:	950463
Ion Ratio	Lower	Upper	
43	100		
57	8.6	7.0	10.6
72	28.7	21.5	32.3





#31

2,2-Dichloropropane

Concen: 153.002 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

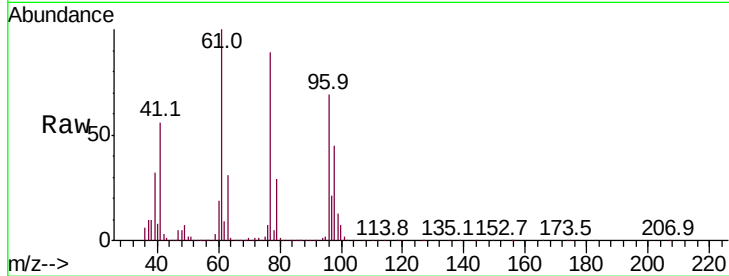
Tot Ion: 77 Resp: 342006

Ion Ratio Lower Upper

77 100

97 24.2 20.6 31.0

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

4.59

120000

100000

80000

60000

40000

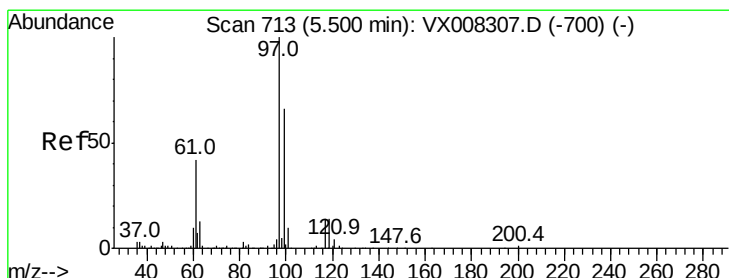
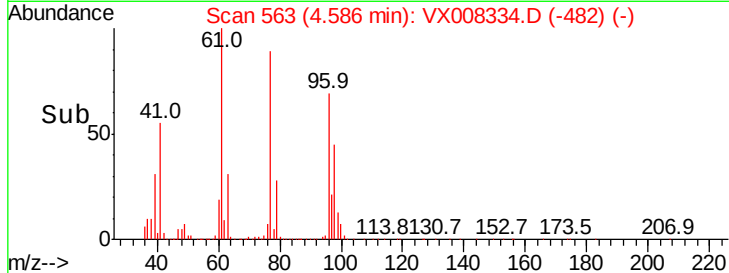
20000

0

Time--> 4.40 4.50 4.60 4.70 4.80

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#32

1,1,1-Trichloroethane

Concen: 149.624 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

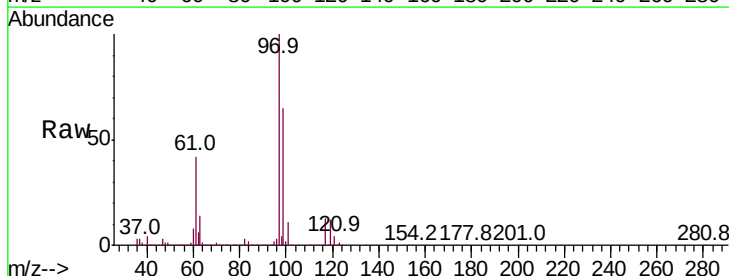
Tgt Ion: 97 Resp: 417978

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 42.2 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

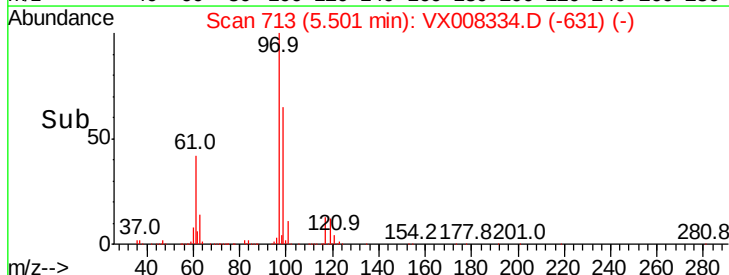
150000

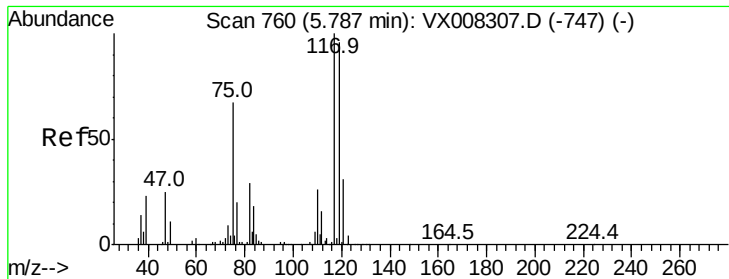
100000

50000

0

Time--> 5.30 5.40 5.50 5.60 5.70





#33

Carbon Tetrachloride

Concen: 149.375 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

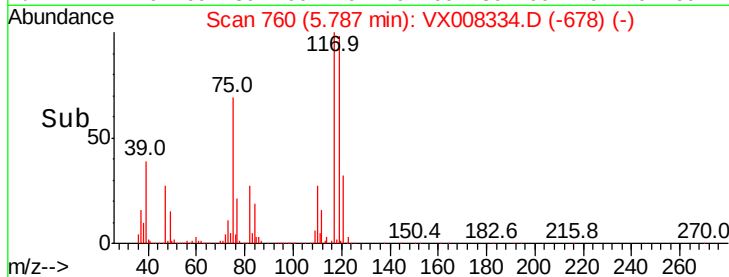
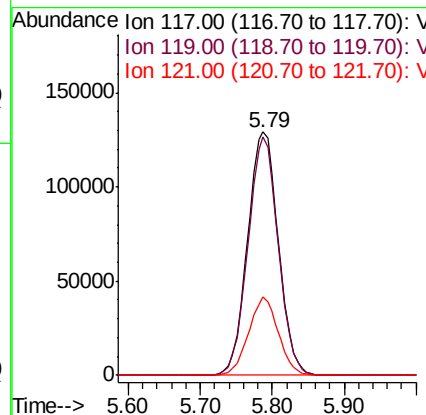
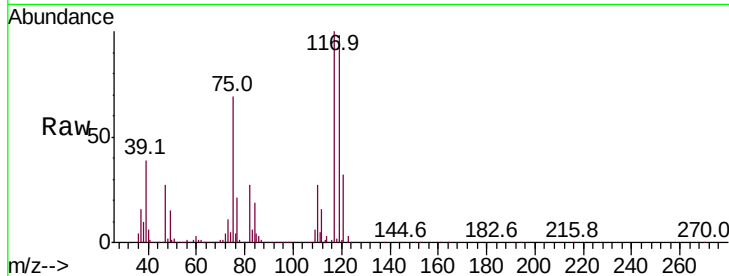
MSVOA_X

ClientSampleId :

VSTDIC150

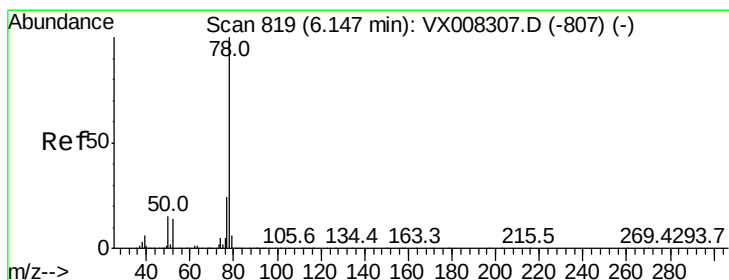
Tot Ion:	117	Resp:	383228
Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.1	117.1
121	32.1	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 146.397 ug/l

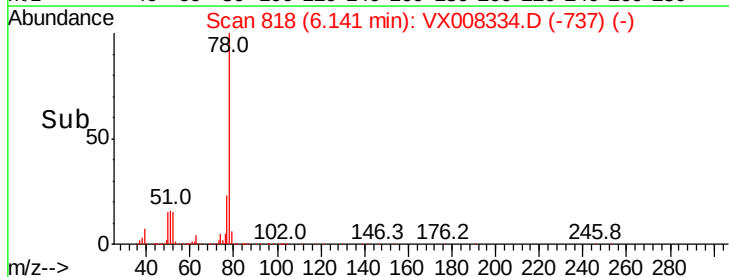
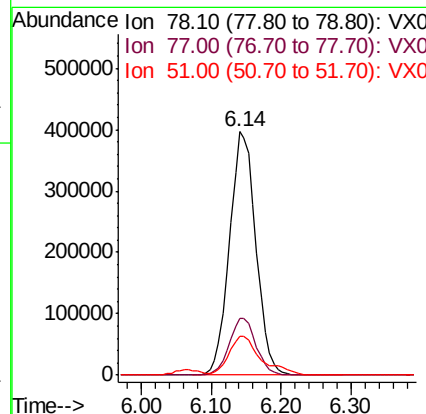
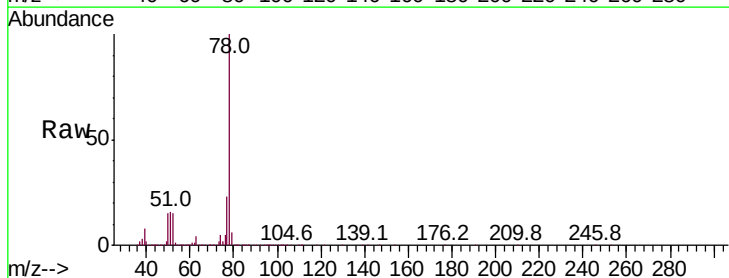
RT: 6.14 min Scan# 818

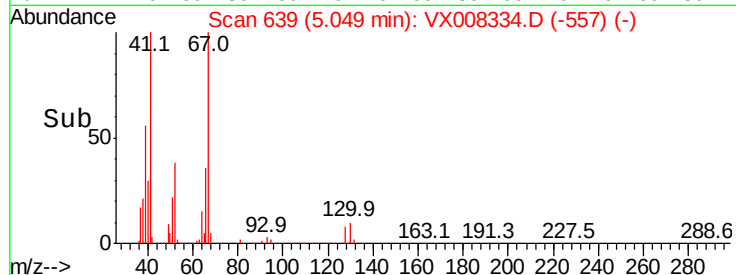
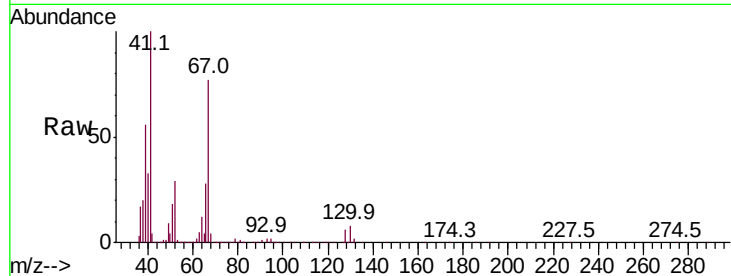
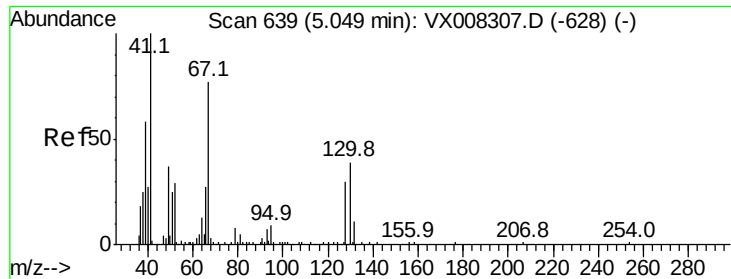
Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

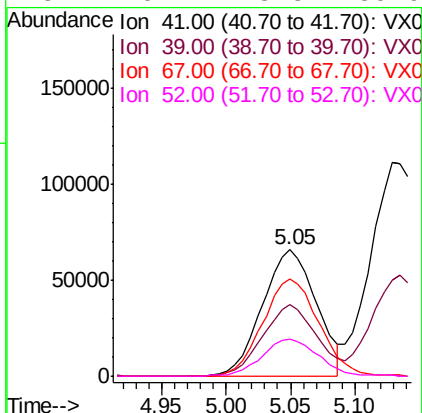
Tgt Ion:	78	Resp:	1035346
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7
51	15.7	10.8	16.2





#35
Methacrylonitrile
Concen: 149.523 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	27.4	82.0	
67	76.8	37.9	113.6	
52	29.2	13.3	39.9	

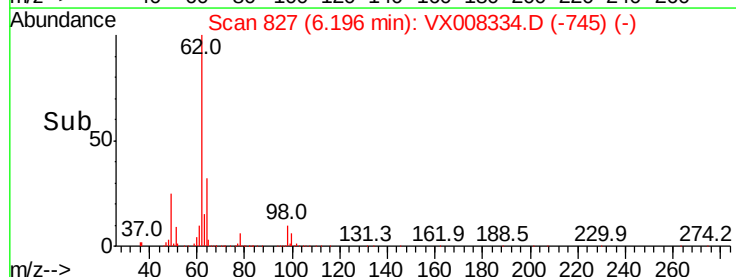
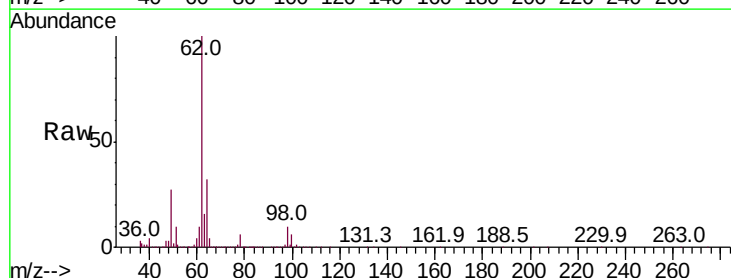
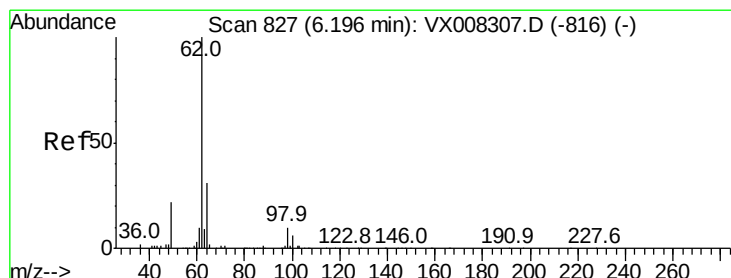


Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

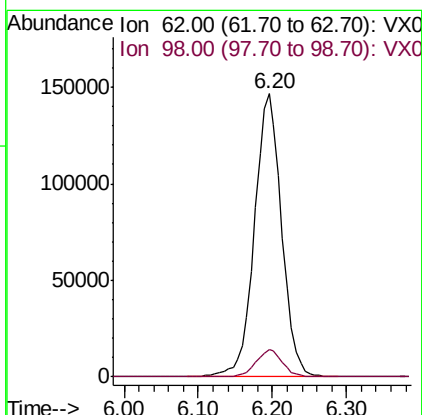
MMDadoda

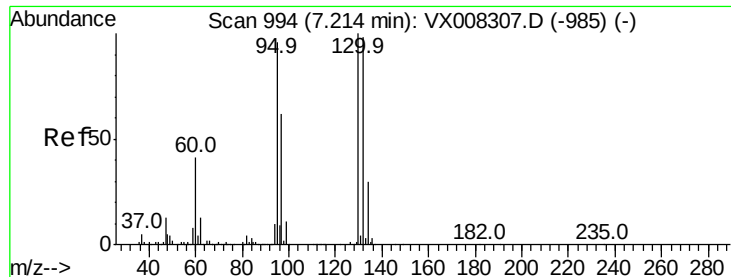
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#36
1,2-Dichloroethane
Concen: 143.714 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.8	11.8	



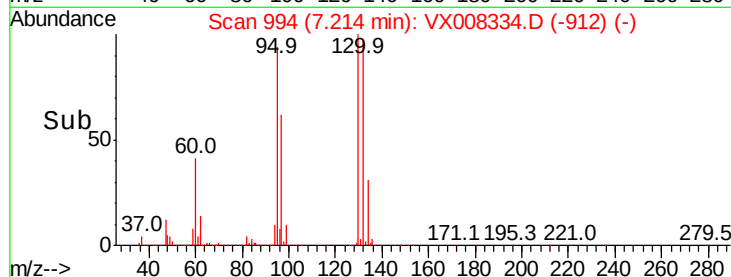
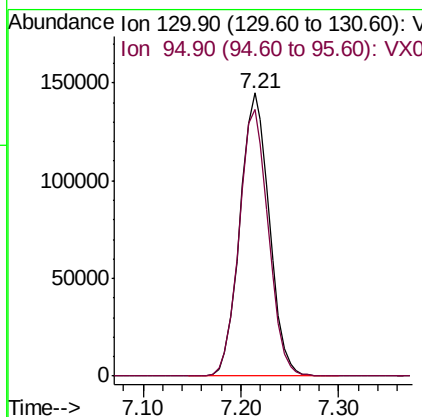
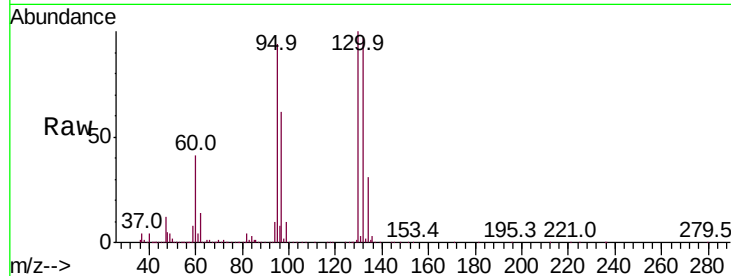


#37
 Trichloroethene
 Concen: 144.814 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

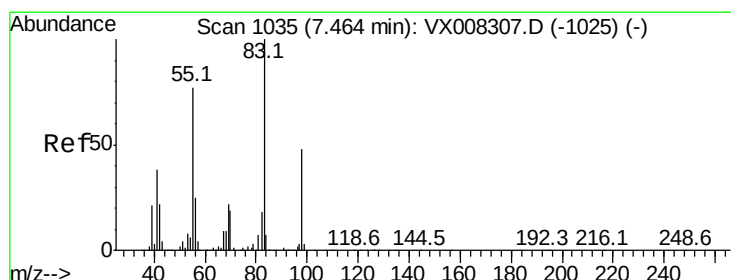
Tot Ion:130 Resp: 301117
 Ion Ratio Lower Upper
 130 100
 95 94.1 71.3 106.9

Manual Integrations
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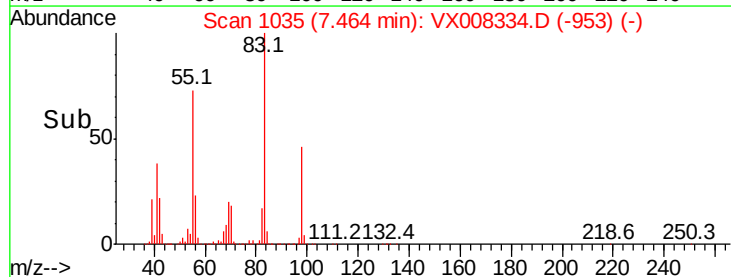
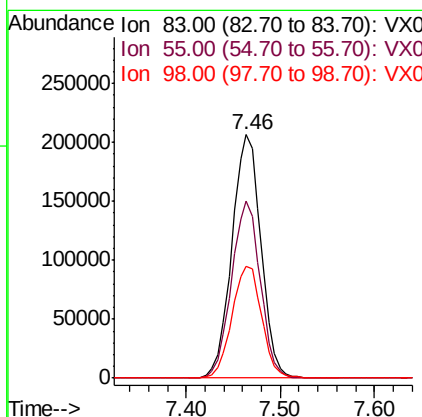
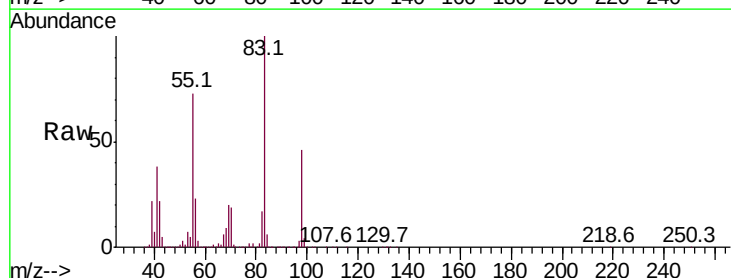
MMDadoda

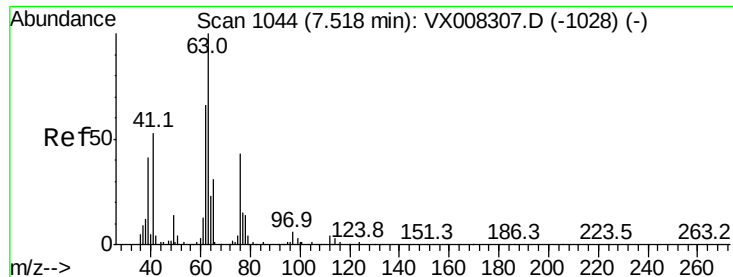
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#38
 Methylcyclohexane
 Concen: 148.661 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 83 Resp: 442350
 Ion Ratio Lower Upper
 83 100
 55 71.8 36.0 108.0
 98 47.0 23.8 71.4



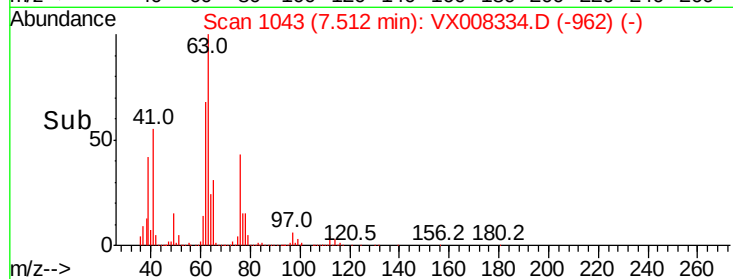
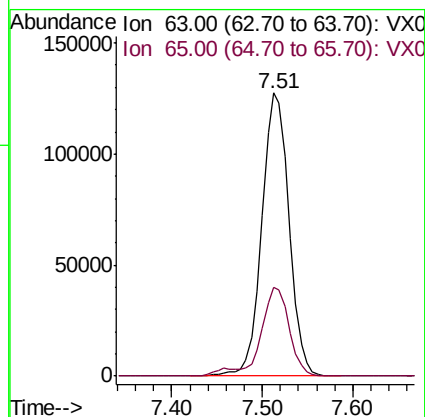
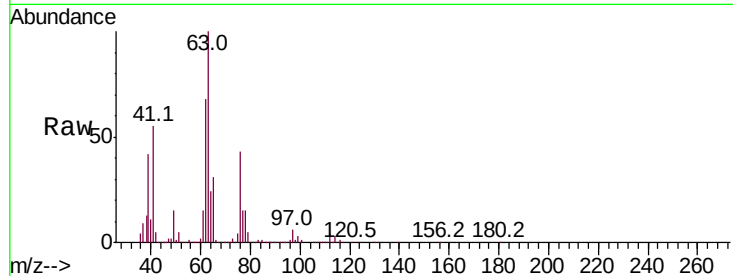


#39
 1,2-Dichloropropane
 Concen: 146.564 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

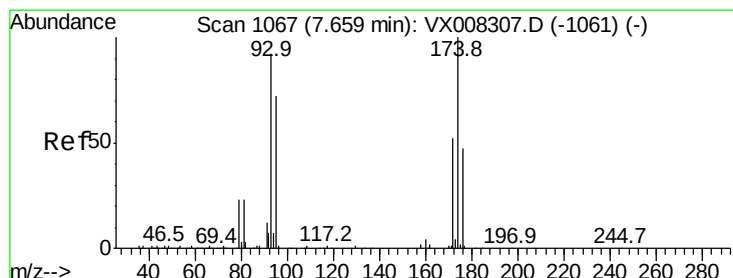
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.6	37.0

Manual Integrations
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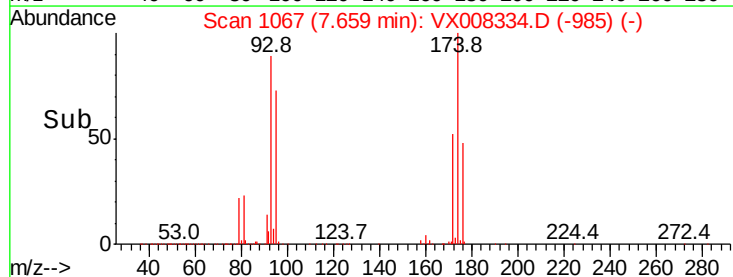
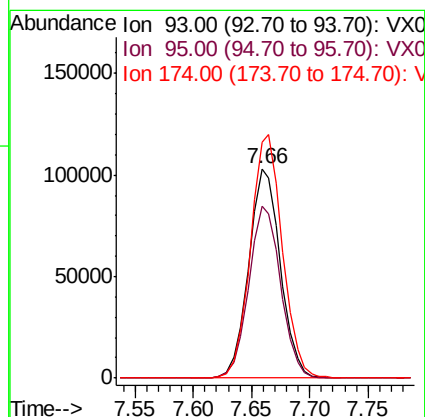
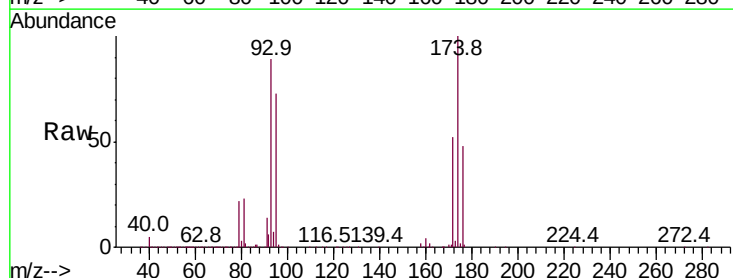
MMDadoda

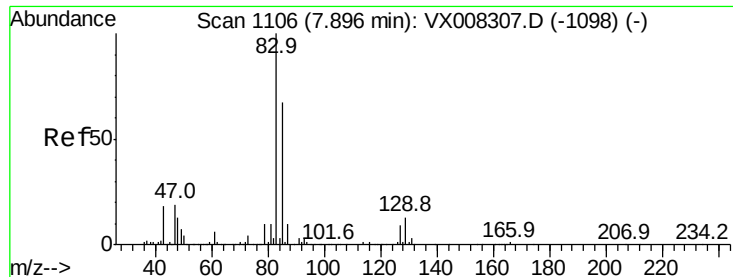
3/23/2019 9:33:51 AM



#40
 Dibromomethane
 Concen: 147.701 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	0.0	158.8
174	117.0	0.0	224.2





#41

Bromodichloromethane

Concen: 151.138 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

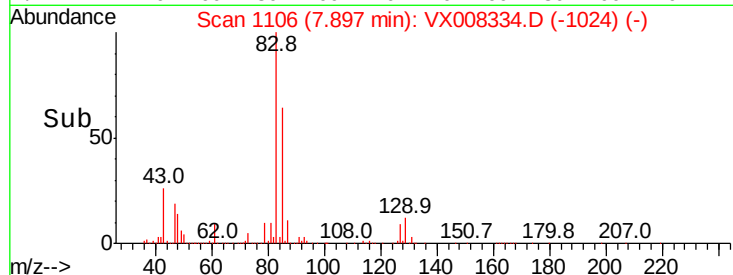
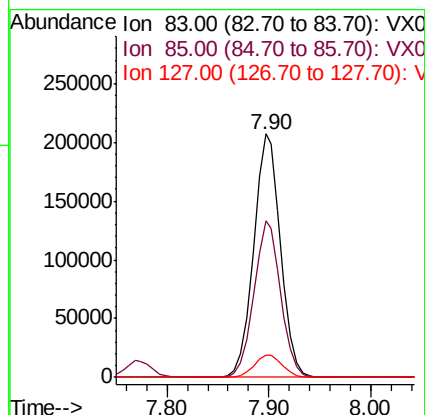
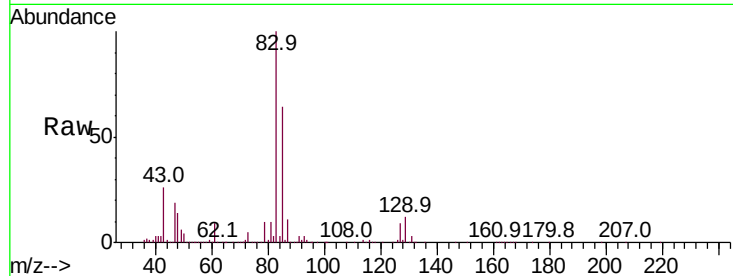
MSVOA_X

ClientSampleId :

VSTDIC150

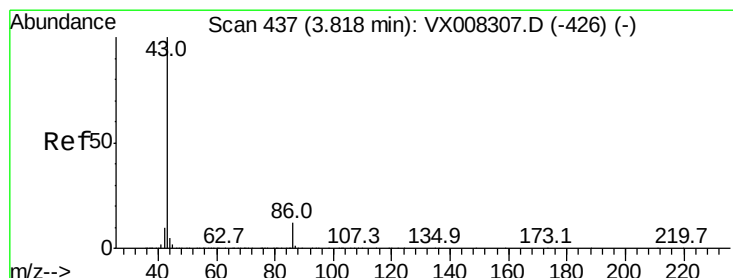
Tot Ion:	83	Resp:	378513
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	9.3	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 756.109 ug/l

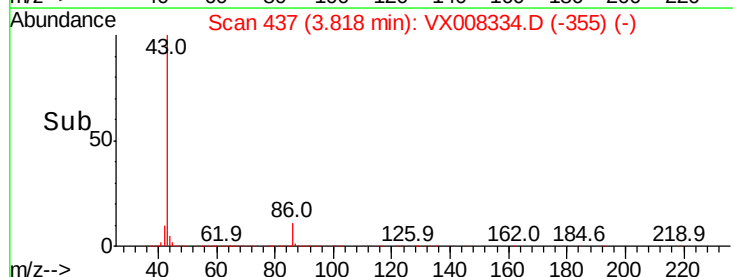
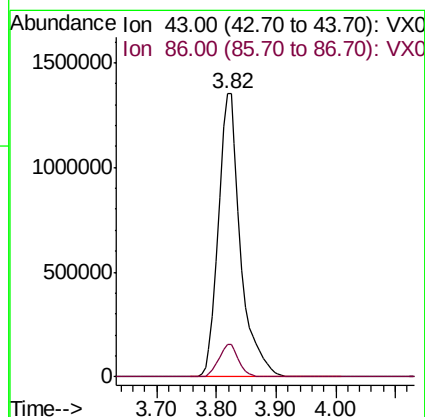
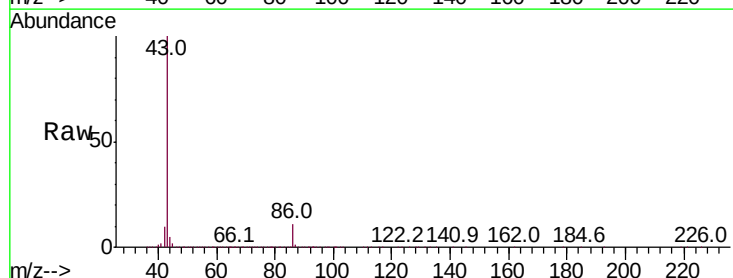
RT: 3.82 min Scan# 437

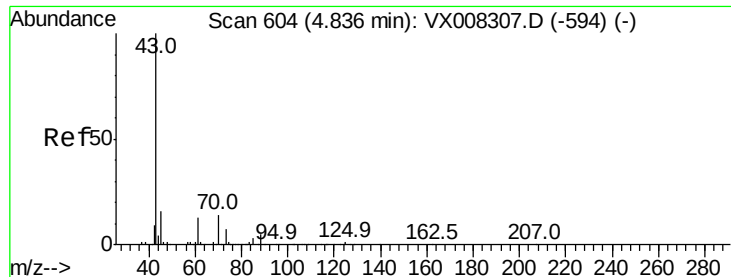
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	43	Resp:	3475326
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2



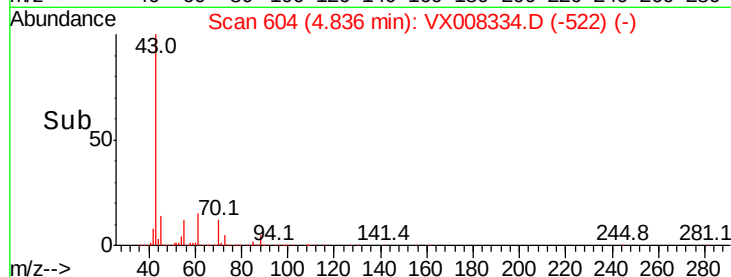
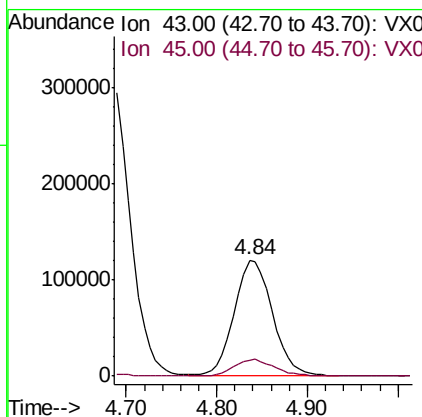
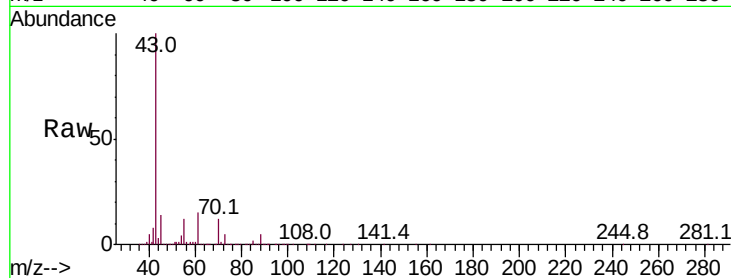


#43
Ethyl Acetate
Concen: 146.735 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

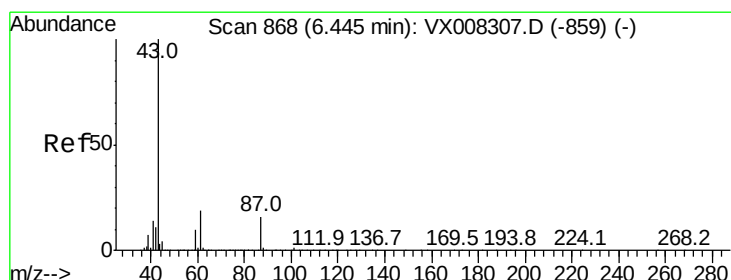
Tot Ion	Ratio	Lower	Upper
43	100		
45	15.2	6.9	10.3#

Manual Integrations
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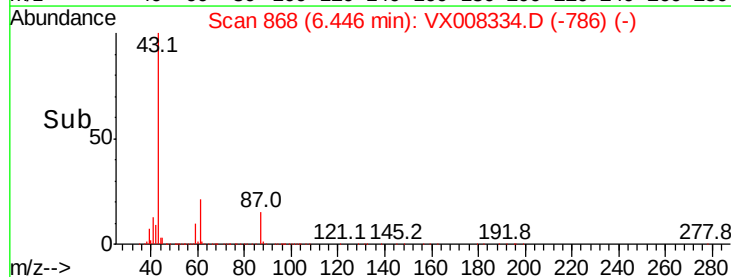
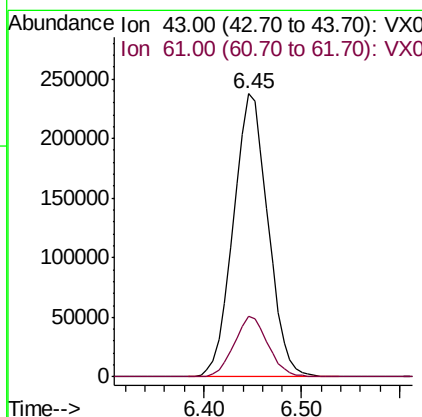
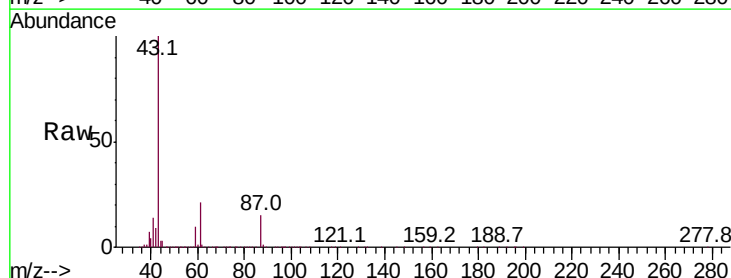
MMDadoda

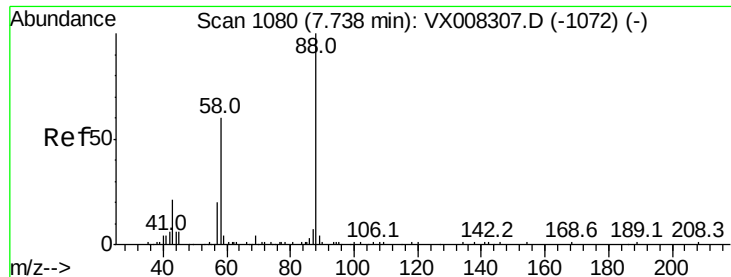
3/23/2019 9:33:51 AM



#44
Isopropyl Acetate
Concen: 153.020 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.1	24.1





#45

1,4-Dioxane

Concen: 2980.926 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

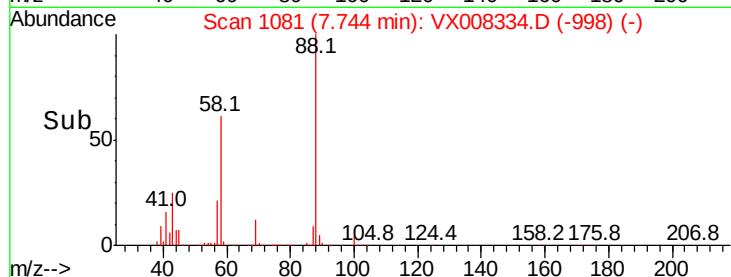
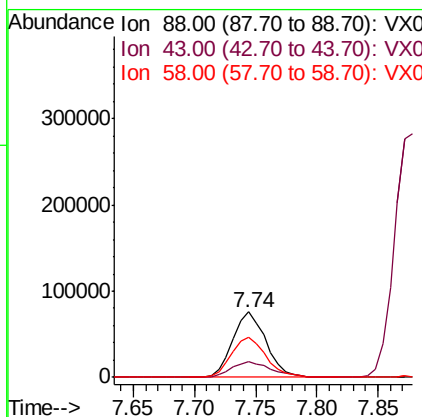
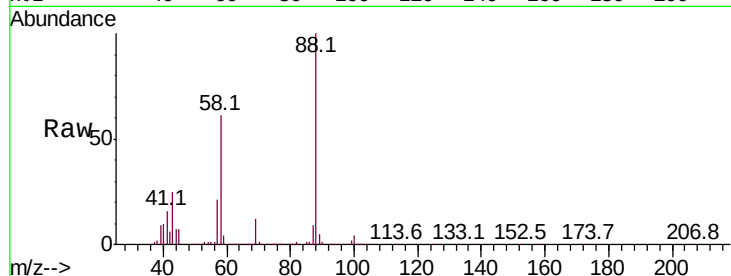
MSVOA_X

ClientSampled :

VSTDIC150

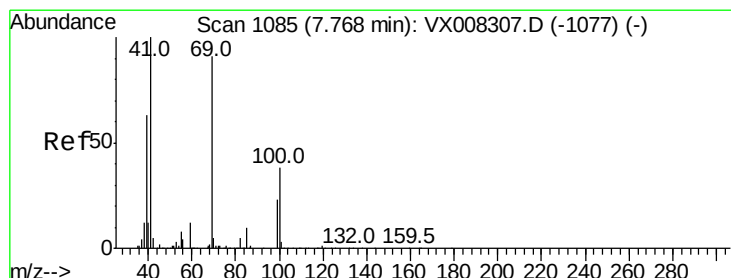
Tot Ion:	88	Resp:	142429
Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.6	35.4
58	64.8	51.6	77.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 151.412 ug/l

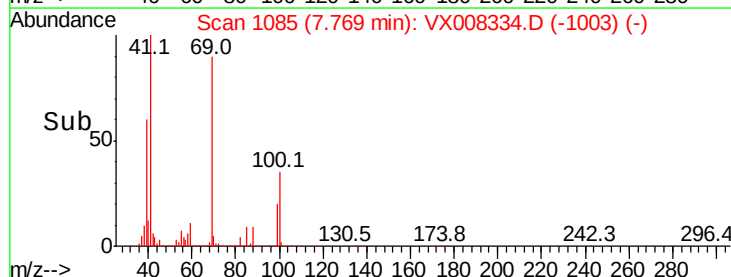
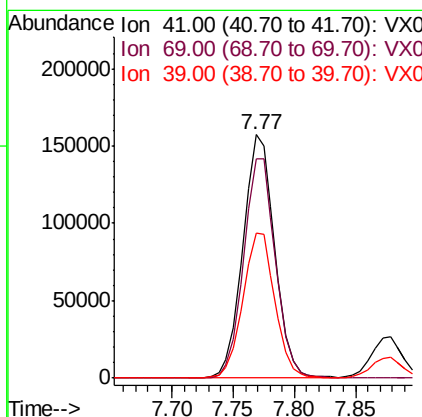
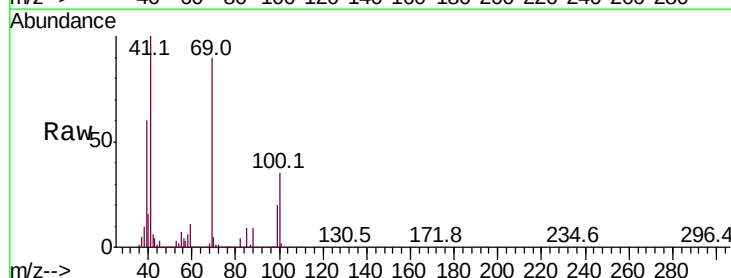
RT: 7.77 min Scan# 1085

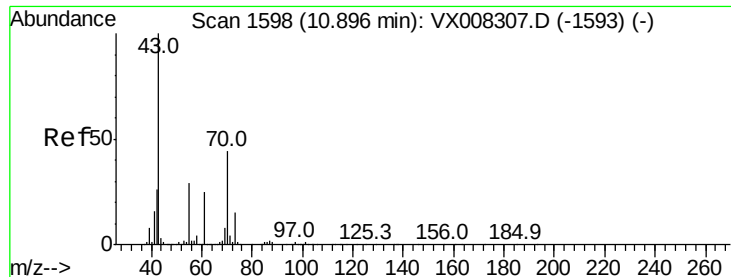
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	41	Resp:	282227
Ion	Ratio	Lower	Upper
41	100		
69	90.3	44.2	132.6
39	59.5	29.9	89.8





#47

n-amvl Acetate

Concen: 167.280 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

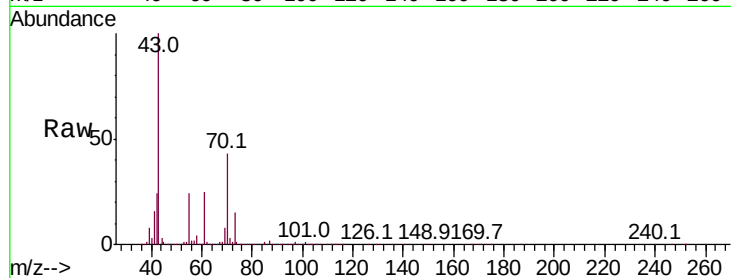
Tot Ion: 43 Resp: 544817

Ion Ratio Lower Upper

43 100

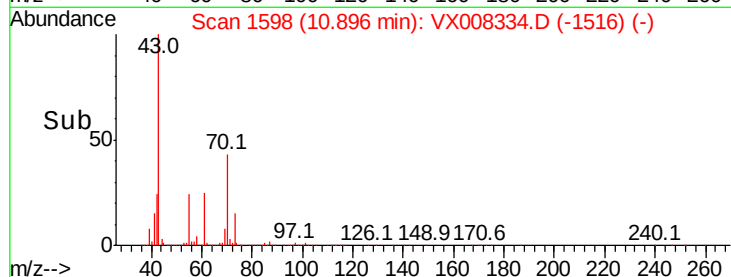
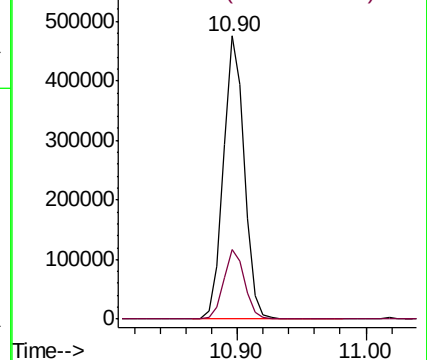
55 24.5 20.8 31.2

Manual Integrations
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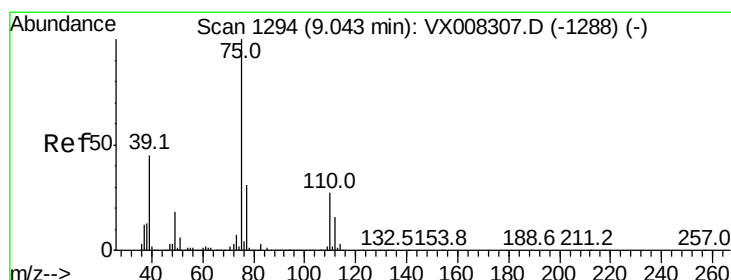
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



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#48

t-1,3-Dichloropropene

Concen: 162.699 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008334.D

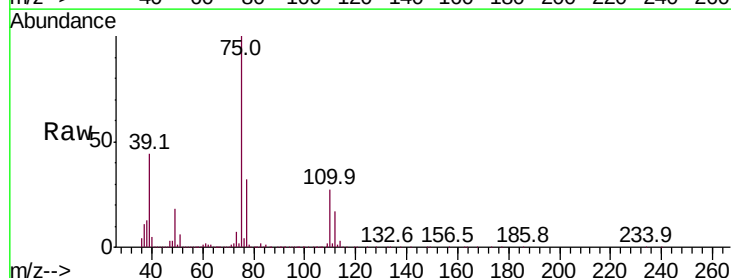
Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 407960

Ion Ratio Lower Upper

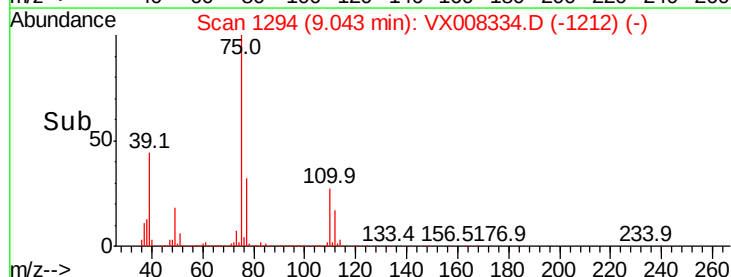
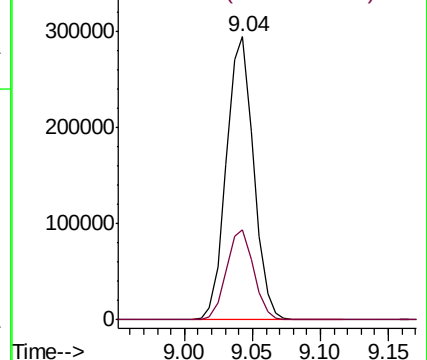
75 100

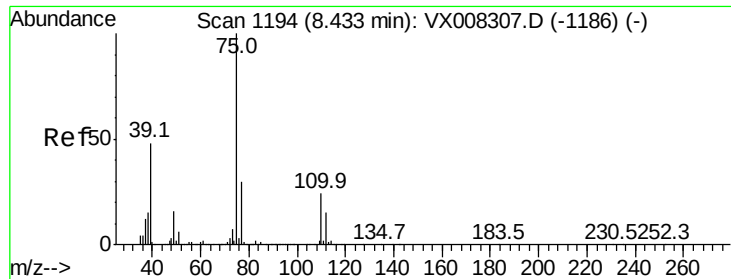
77 31.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





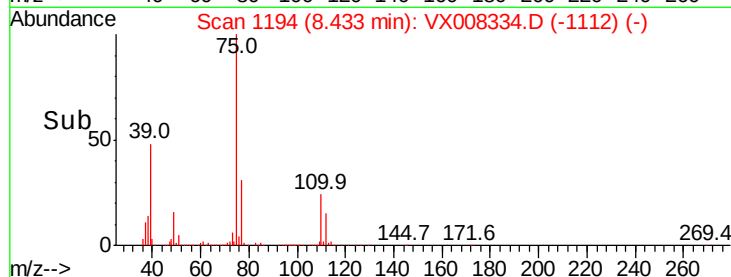
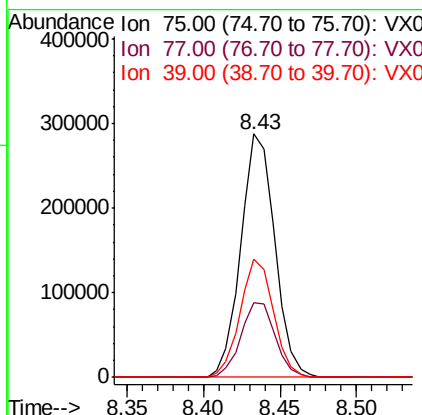
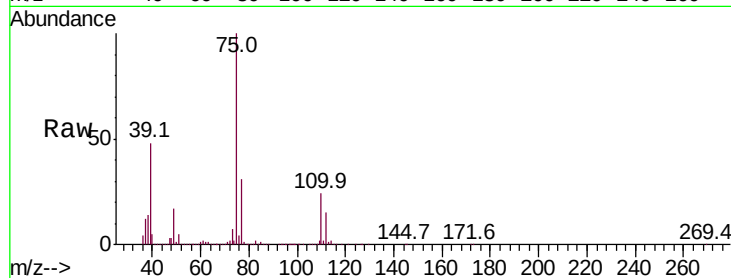
#49

cis-1,3-Dichloropropene
 Concen: 158.309 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

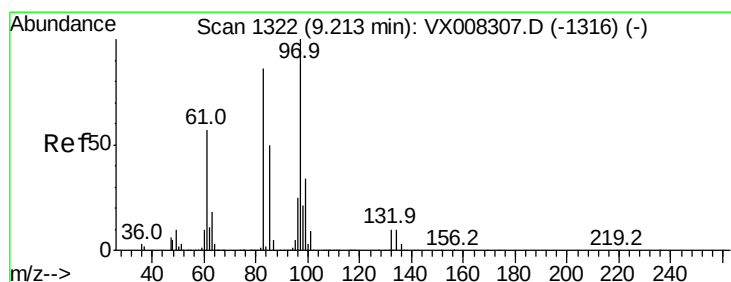
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	48.3	38.5	57.7

Manual Integrations
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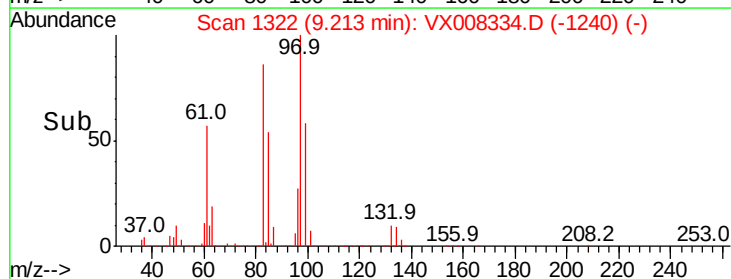
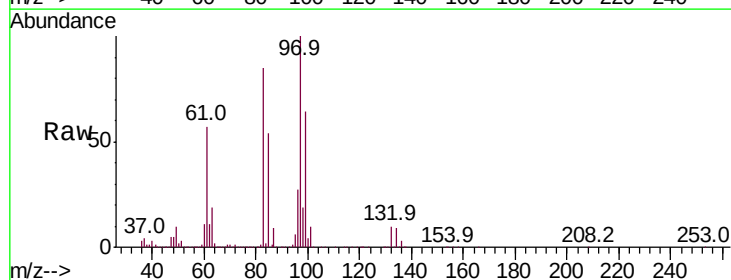
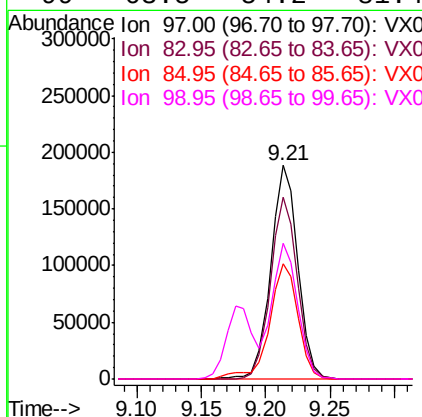
3/23/2019 9:33:51 AM

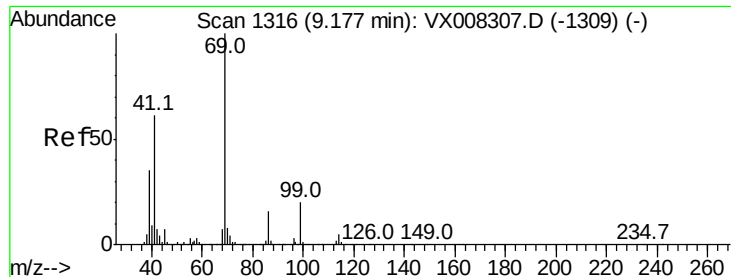


#50

1,1,2-Trichloroethane
 Concen: 145.261 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.0	108.0
85	53.8	45.0	67.6
99	63.5	54.2	81.4





#51

Ethyl methacrylate

Concen: 157.664 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

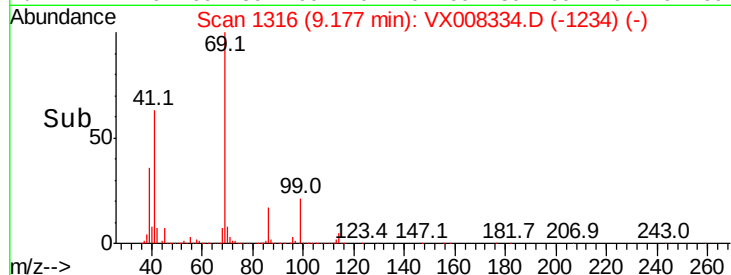
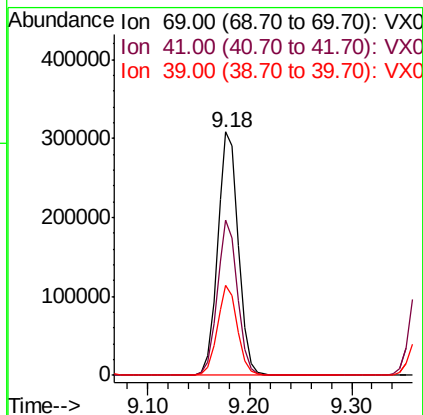
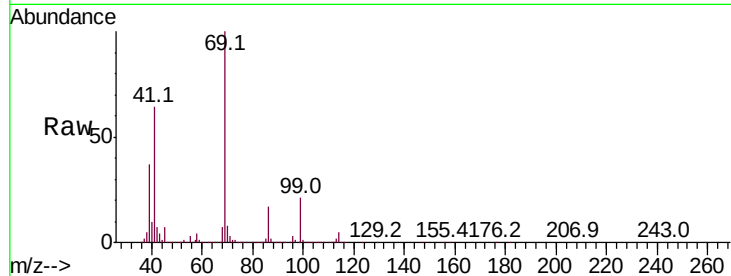
MSVOA_X

ClientSampled :

VSTDIC150

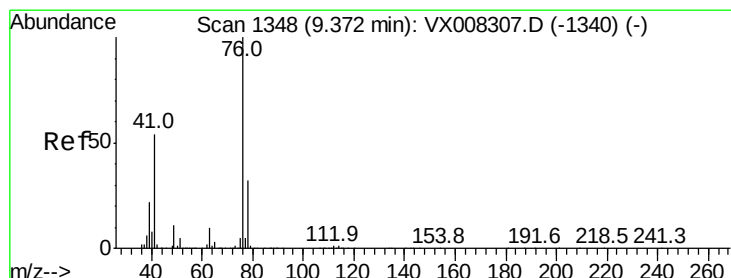
Tot Ion:	69	Resp:	436437
Ion Ratio	Lower	Upper	
69	100		
41	63.8	32.1	96.5
39	36.7	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 144.431 ug/l

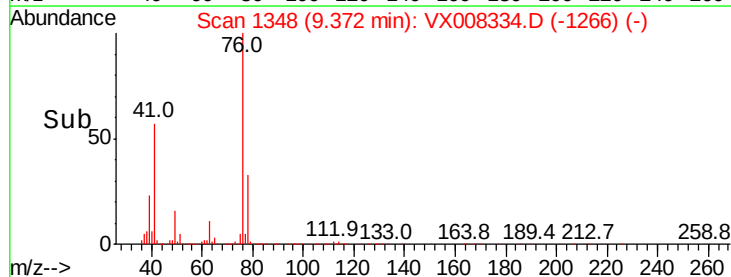
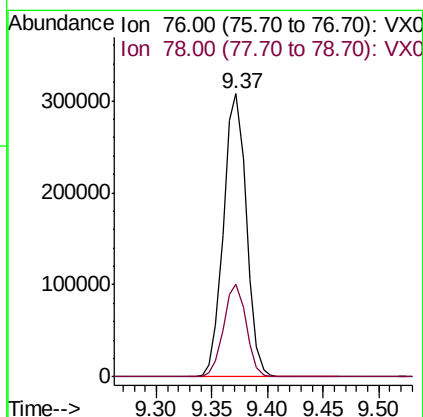
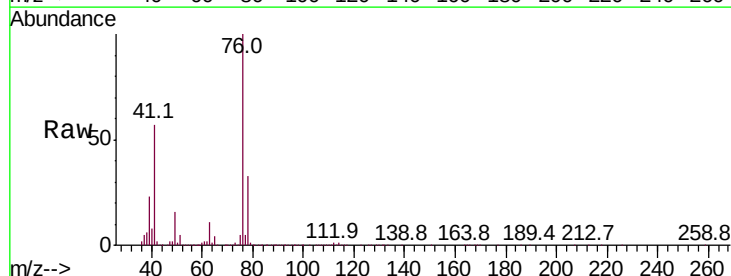
RT: 9.37 min Scan# 1348

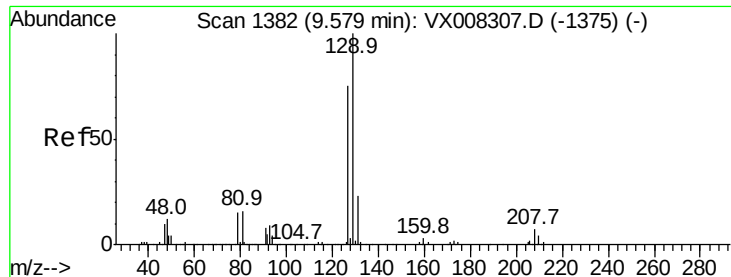
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	76	Resp:	439194
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.2



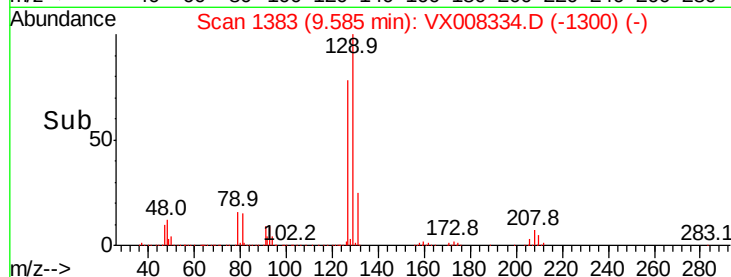
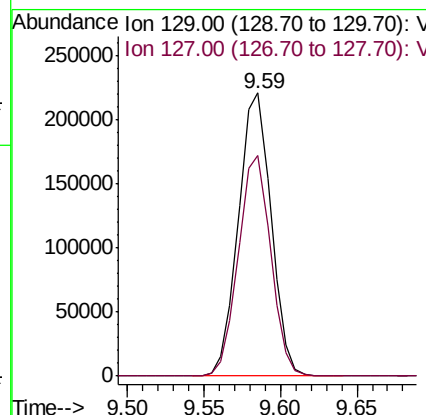
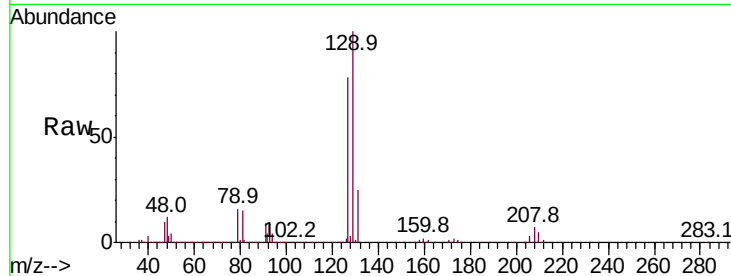


#53
 Dibromochloromethane
 Concen: 153.965 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

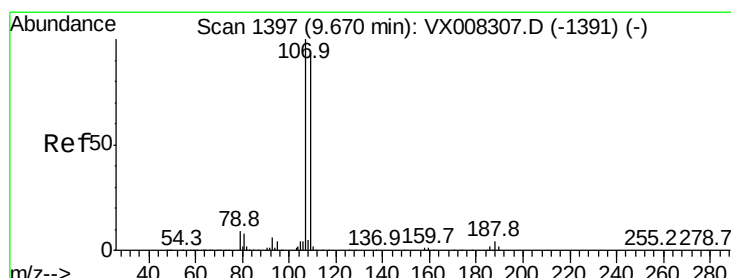
Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.4	115.2

Manual Integrations
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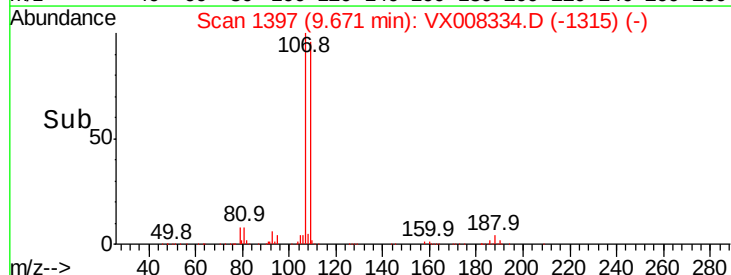
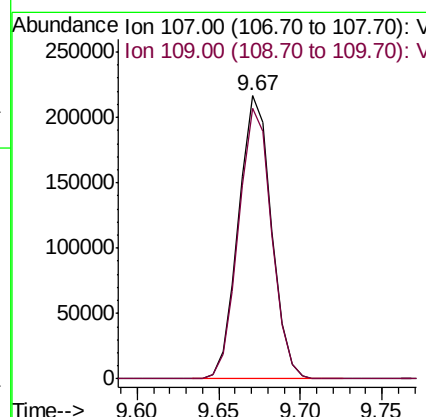
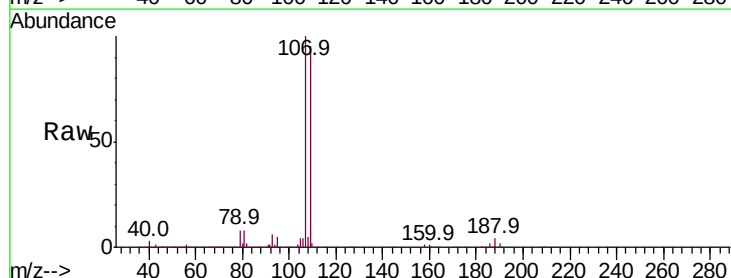
MMDadoda

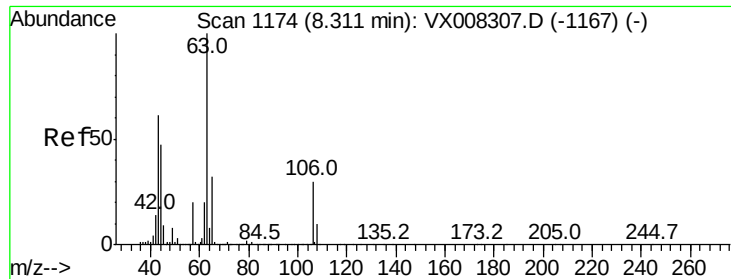
3/23/2019 9:33:51 AM



#54
 1,2-Dibromoethane
 Concen: 146.582 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.1	76.6	115.0





#55

2-Chloroethyl vinyl ether

Concen: 758.235 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 1055981

Ion Ratio Lower Upper

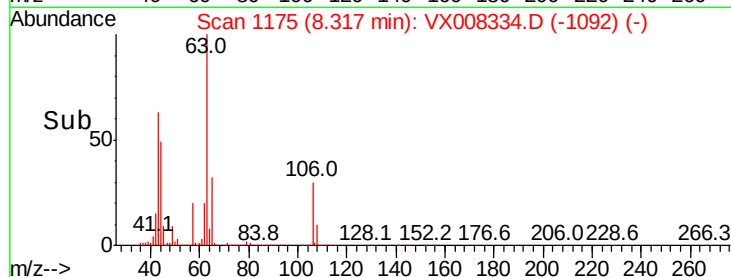
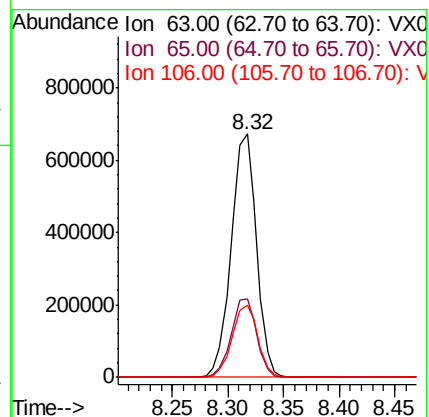
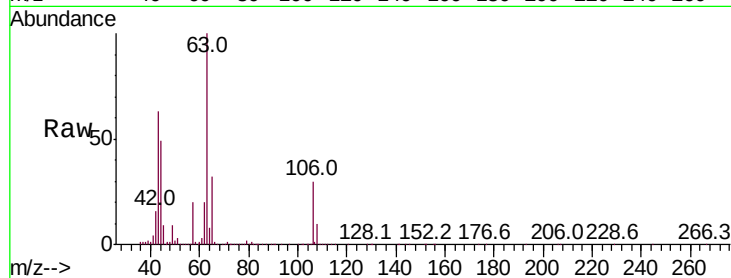
63 100

65 32.6 25.7 38.5

106 30.2 23.7 35.5

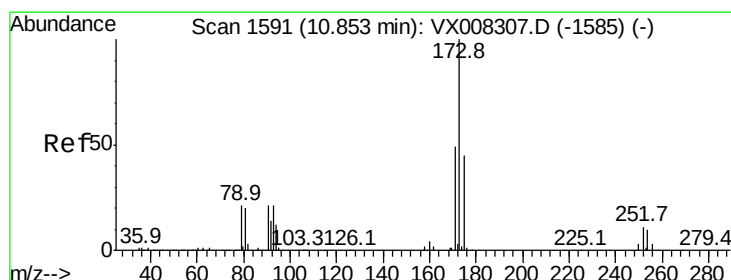
Manual Integrations

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#56

Bromoform

Concen: 163.655 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

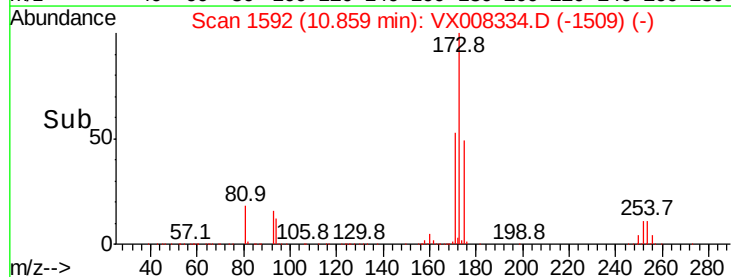
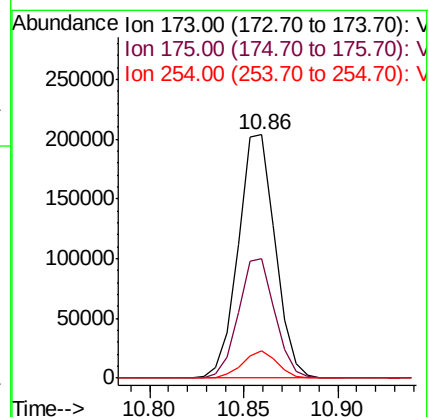
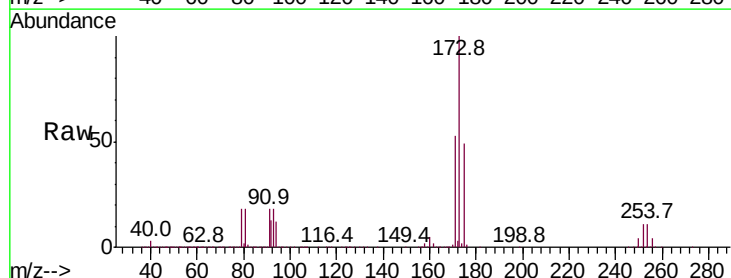
Tgt Ion: 173 Resp: 276153

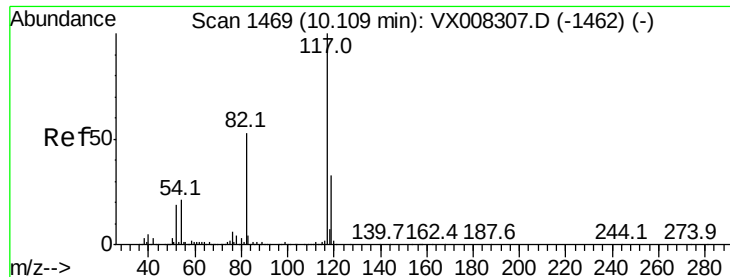
Ion Ratio Lower Upper

173 100

175 48.6 38.5 57.7

254 10.6 7.4 11.2



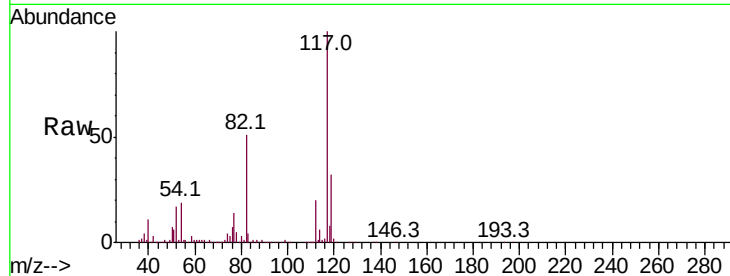


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

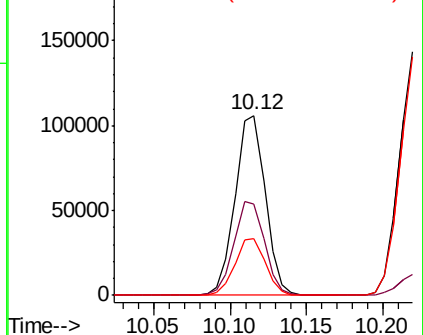
Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:	117	Resp:	146153
Ion Ratio	Lower	Upper	
117	100		
82	52.5	40.4	60.6
119	31.8	25.8	38.6

Manual Integrations
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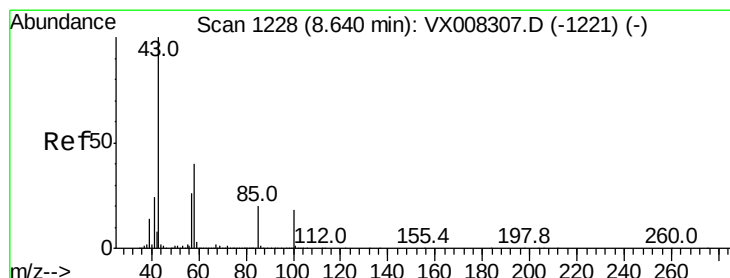
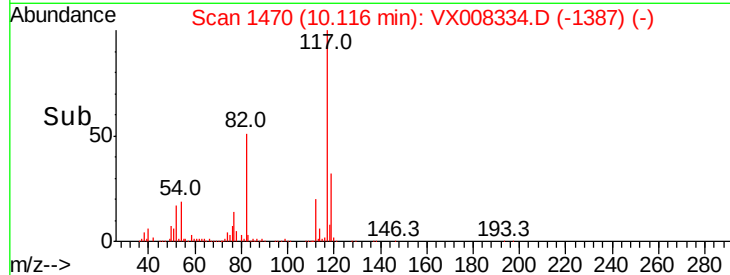


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V



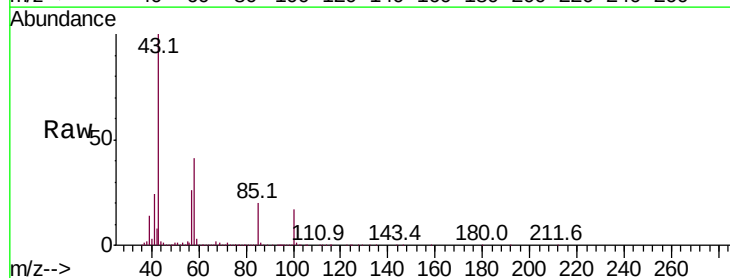
MMDadoda

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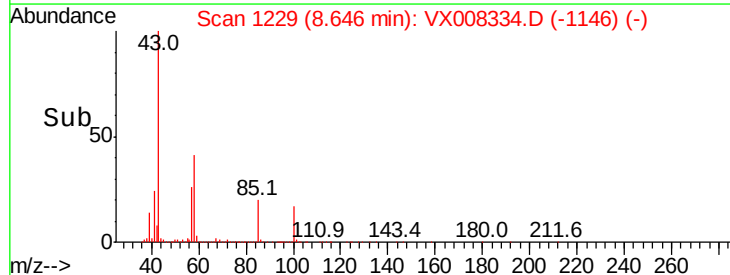
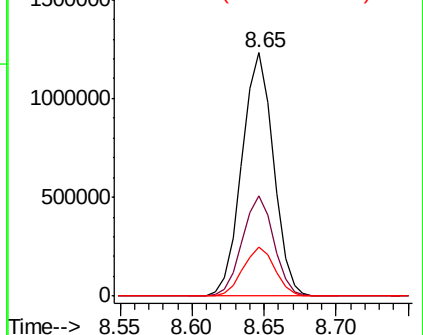


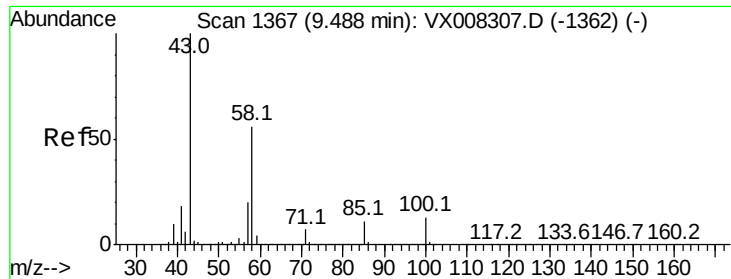
#58
4-Methyl-2-Pentanone
Concen: 760.383 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion:	43	Resp:	1871137
Ion Ratio	Lower	Upper	
43	100		
58	40.9	31.4	47.0
85	20.2	15.0	22.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0



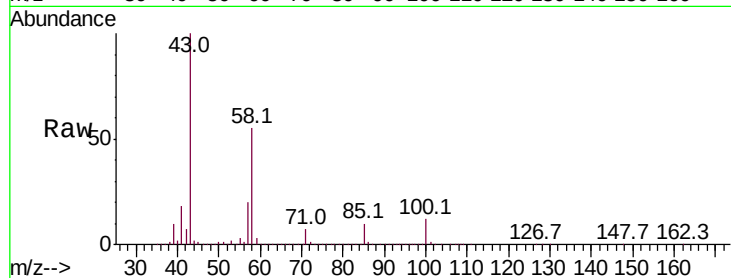


#59
2-Hexanone
Concen: 756.444 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

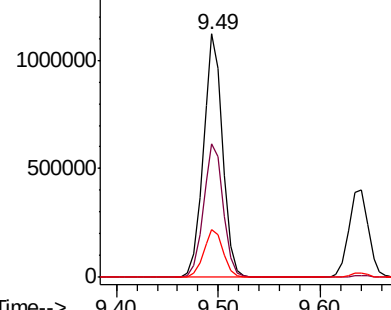
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.9	65.9
57	20.1	14.9	22.3

Manual Integrations
APPROVED

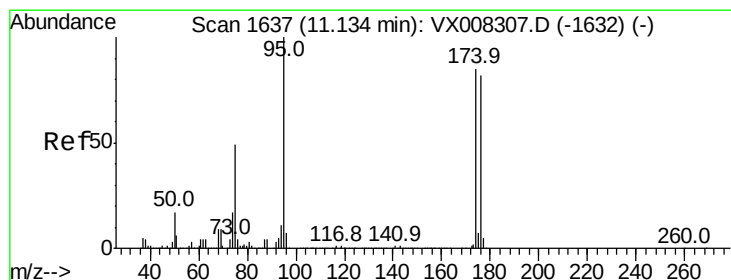
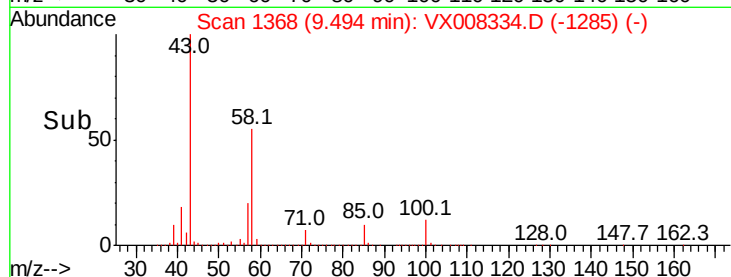


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



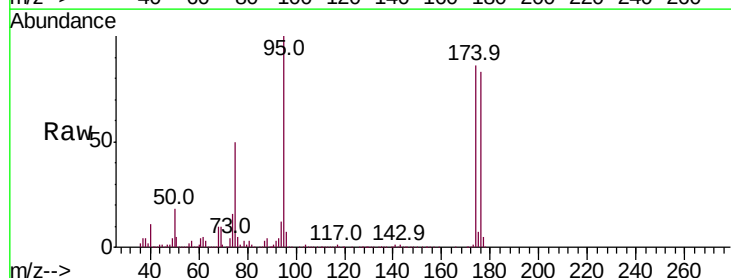
MMDadoda

3/23/2019 9:33:51 AM

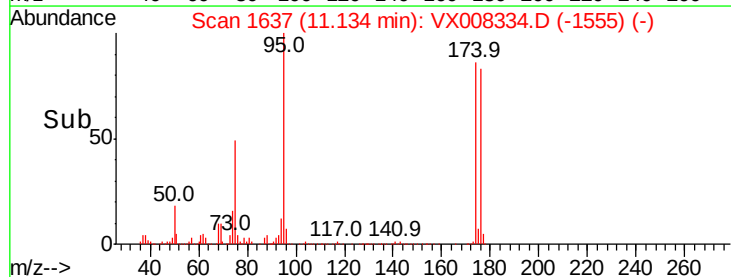
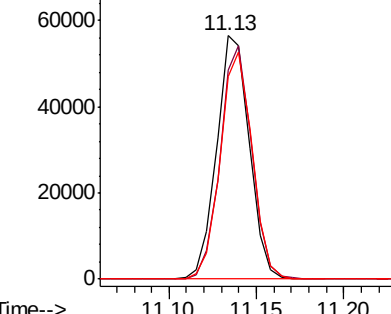


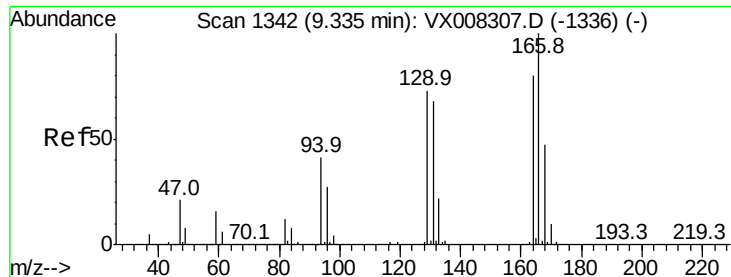
#60
4-Bromofluorobenzene
Concen: 30.856 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	74.9	112.3
176	90.8	70.7	106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



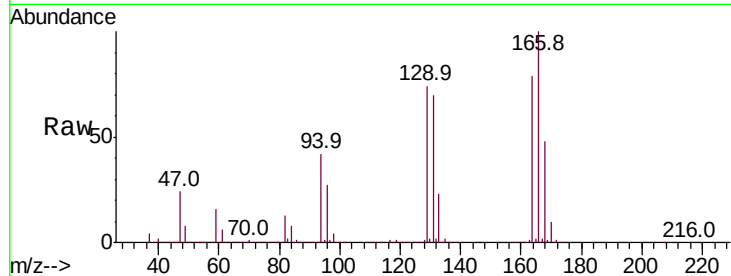


#61
Tetrachloroethene
Concen: 141.100 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.9	155.9
129	93.8	74.7	112.1
131	89.2	71.7	107.5

Manual Integrations
APPROVED



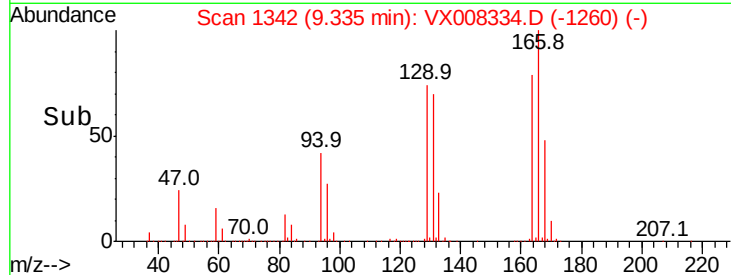
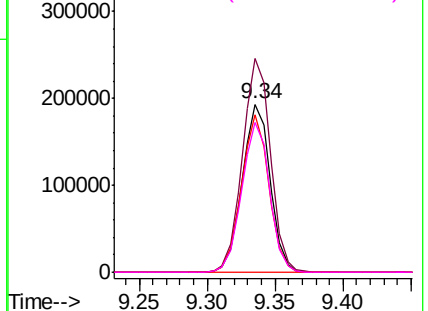
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

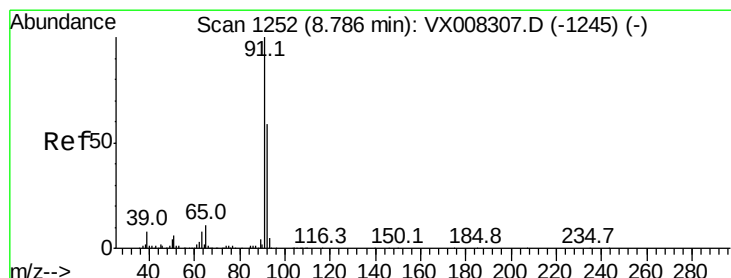
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



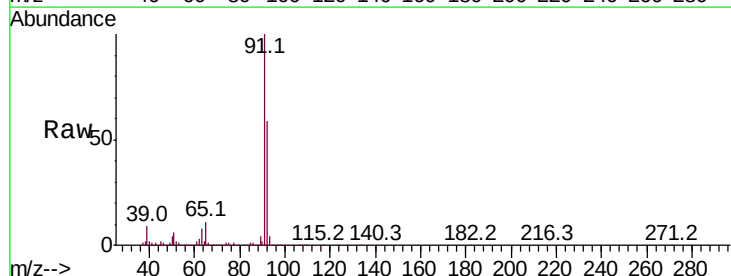
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#62
Toluene
Concen: 147.882 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

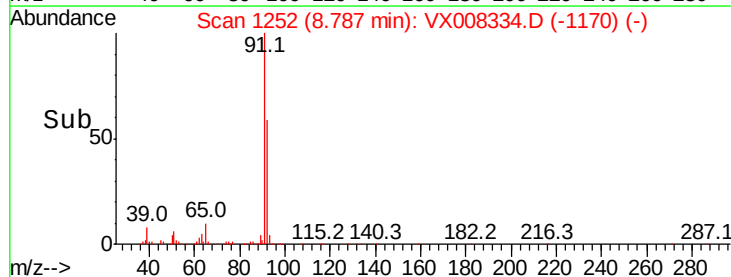
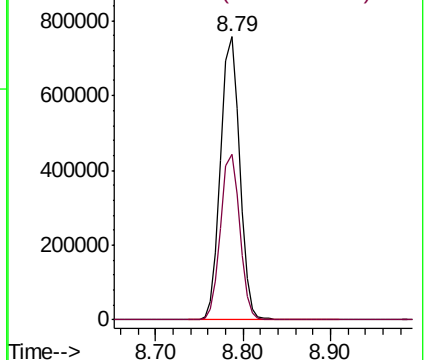
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	46.4	69.6

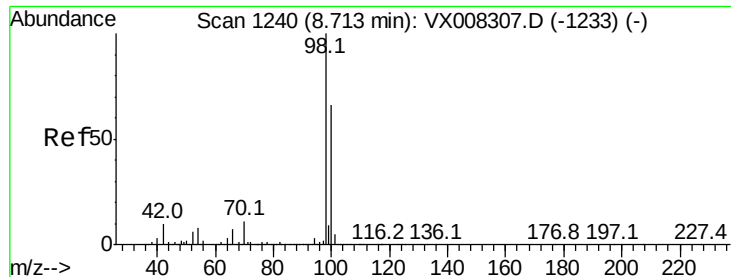


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



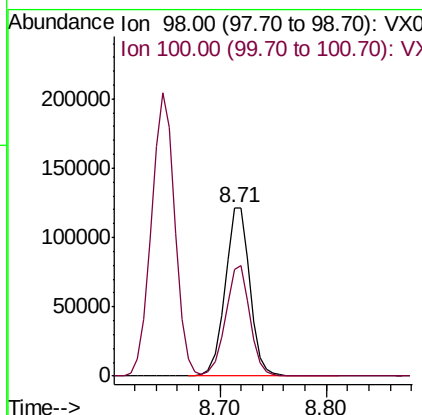
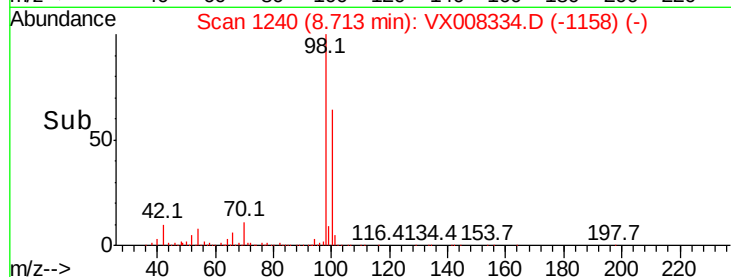
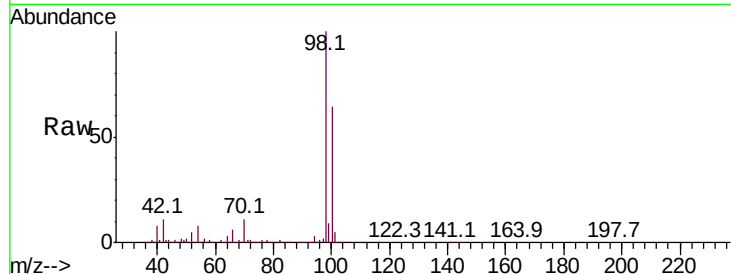


#63
Toluene-d8
Concen: 29.794 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

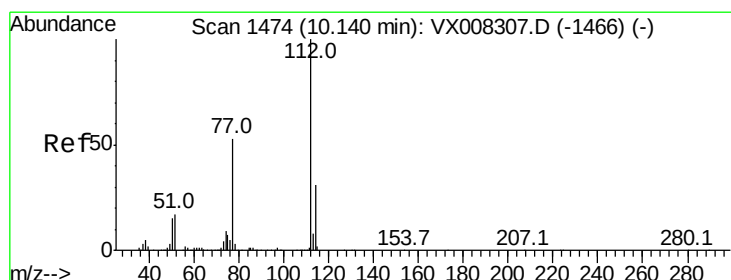
Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	64.5	50.9	76.3	

Manual Integrations
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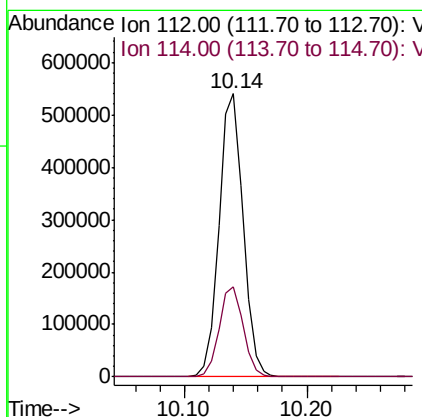
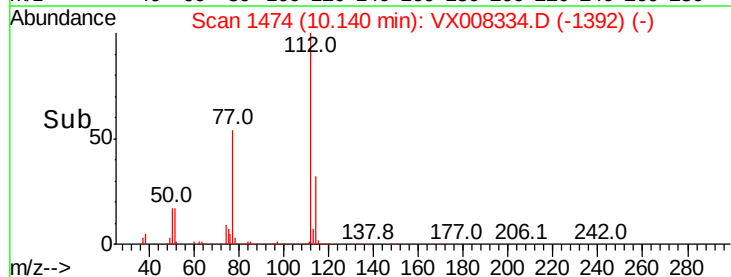
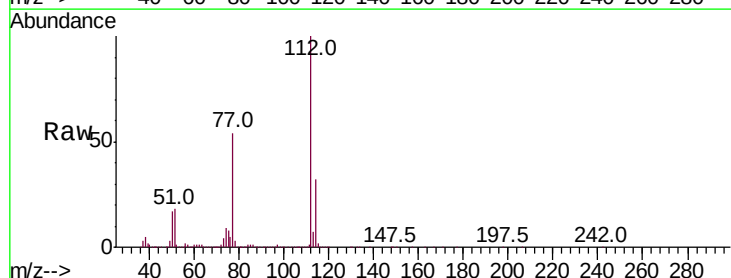
MMDadoda

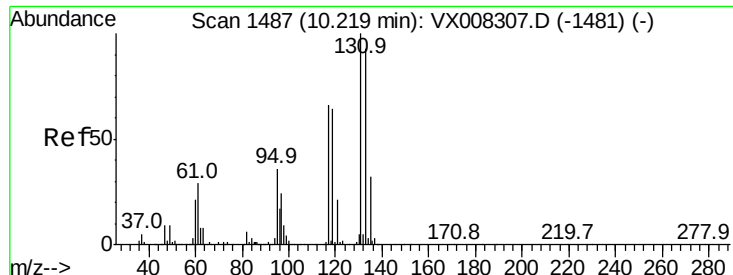
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#64
Chlorobenzene
Concen: 147.877 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
112	100			
114	31.6	25.4	38.2	





#65

1,1,1,2-Tetrachloroethane

Concen: 151.580 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

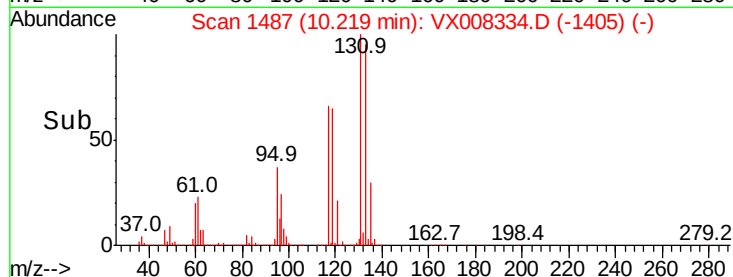
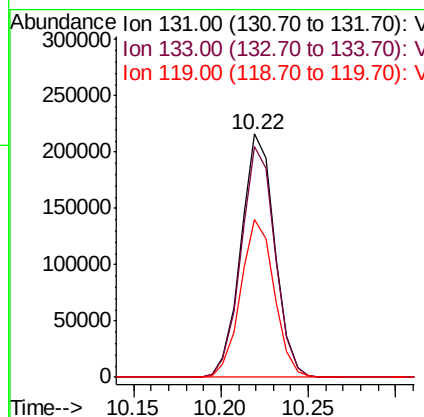
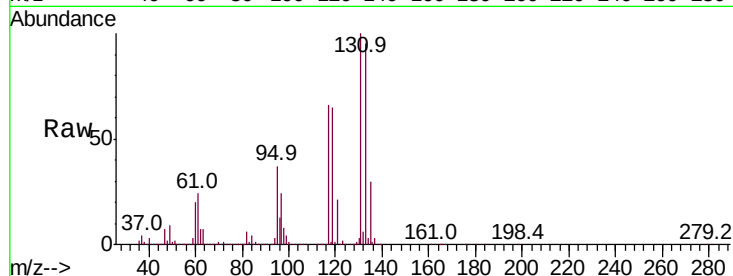
MSVOA_X

ClientSampleId :

VSTDIC150

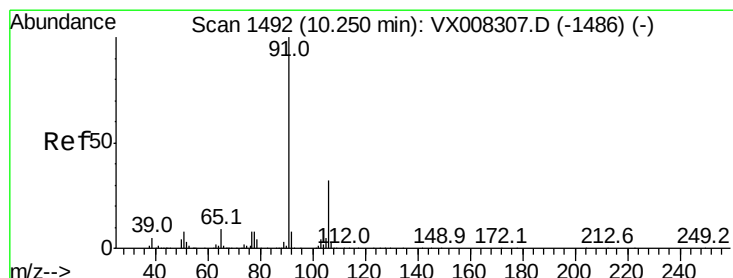
Tot Ion:	131	Resp:	289543
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	191.6
119	64.5	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 150.256 ug/l

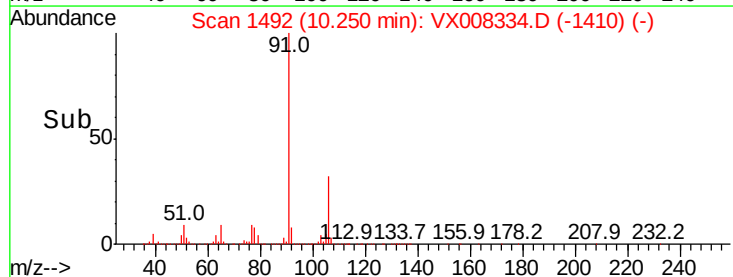
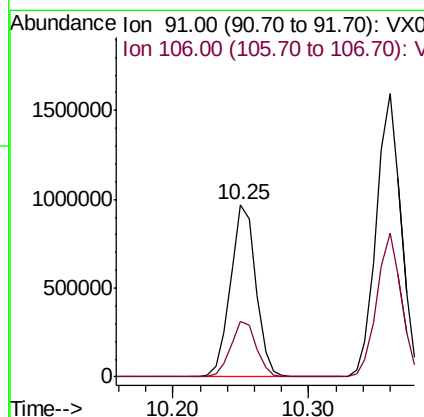
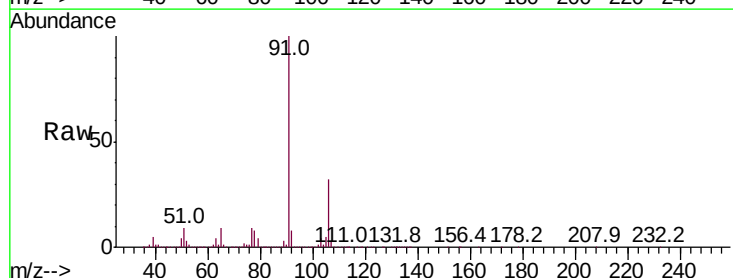
RT: 10.25 min Scan# 1492

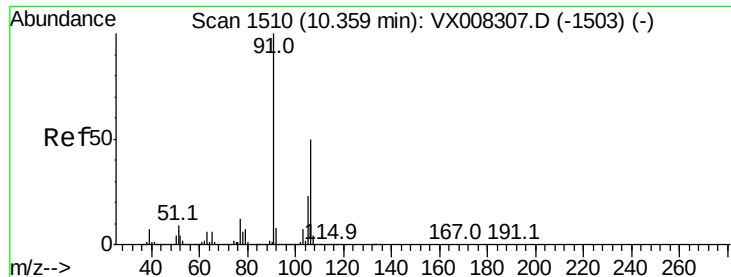
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	91	Resp:	1260633
Ion Ratio	Lower	Upper	
91	100		
106	31.9	26.0	39.0





#67

m/p-Xylenes

Concen: 303.681 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

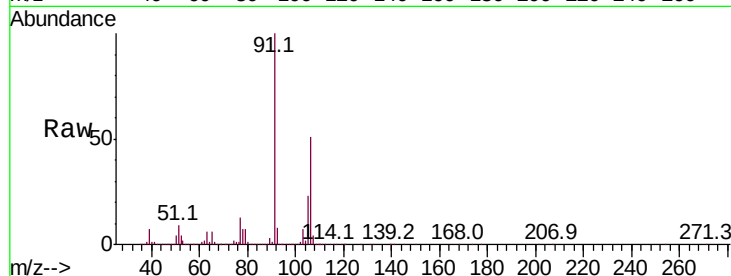
Tot Ion:106 Resp: 1012635

Ion Ratio Lower Upper

106 100

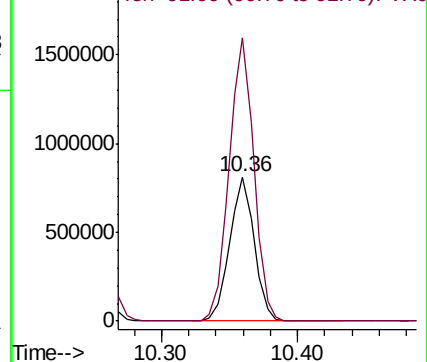
91 198.3 157.0 235.4

Manual Integrations
APPROVED



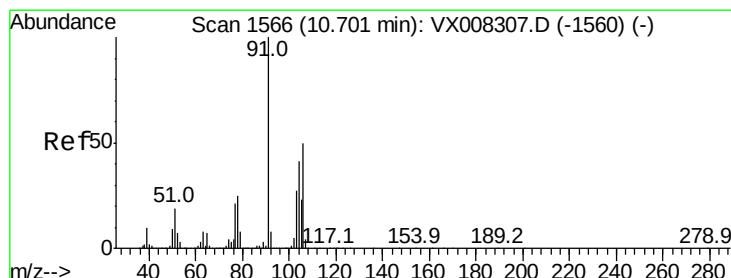
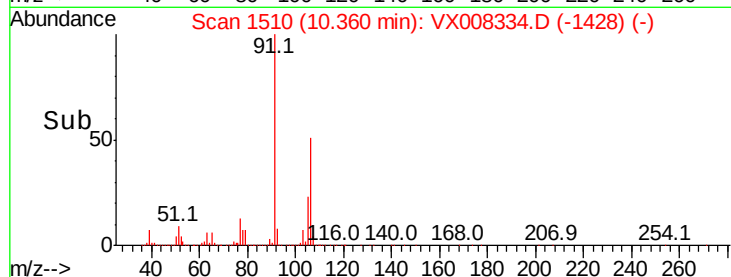
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



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#68

o-Xylene

Concen: 152.609 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX008334.D

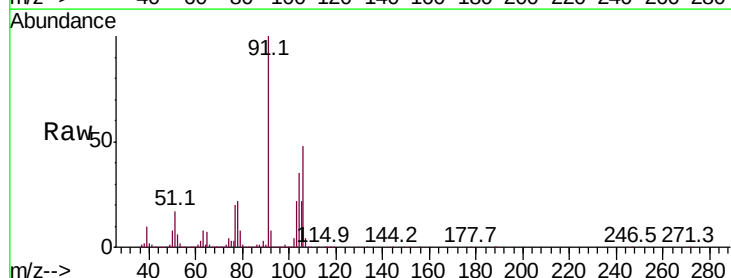
Acq: 22 Mar 2019 12:37

Tgt Ion:106 Resp: 488850

Ion Ratio Lower Upper

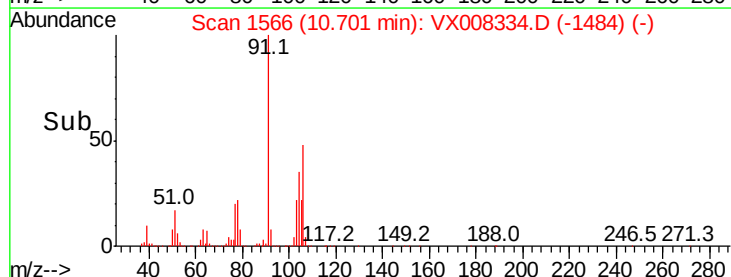
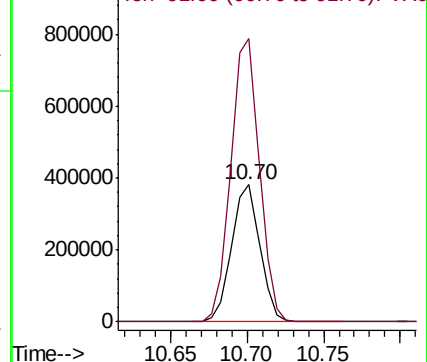
106 100

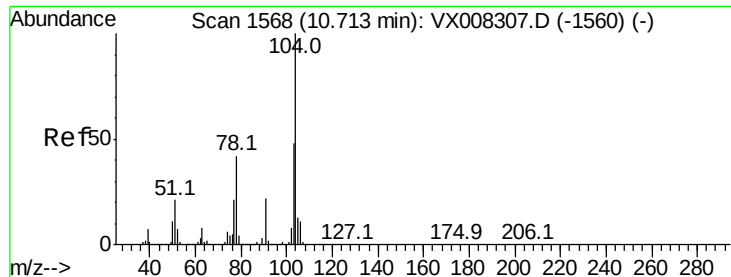
91 208.6 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



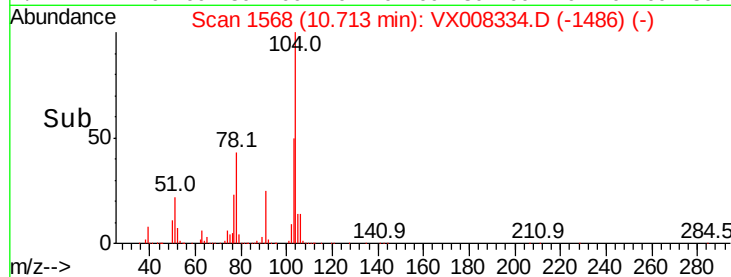
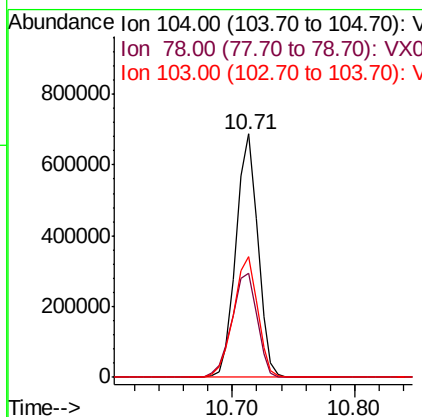
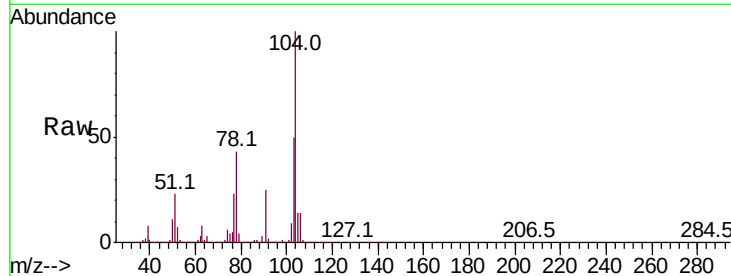


#69
Stvrene
Concen: 156.747 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

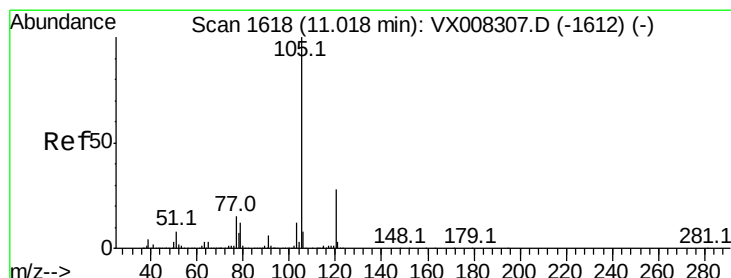
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.7	38.2	57.2
103	54.4	45.0	67.4

Manual Integrations
APPROVED



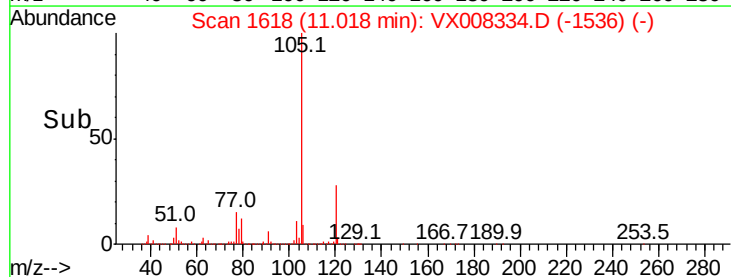
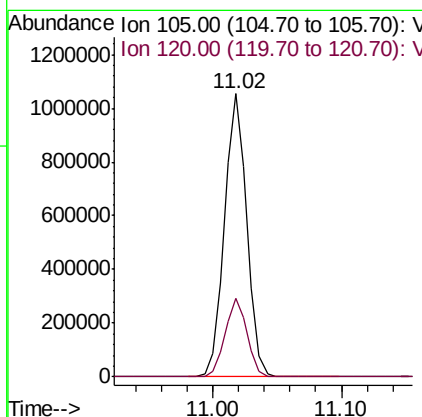
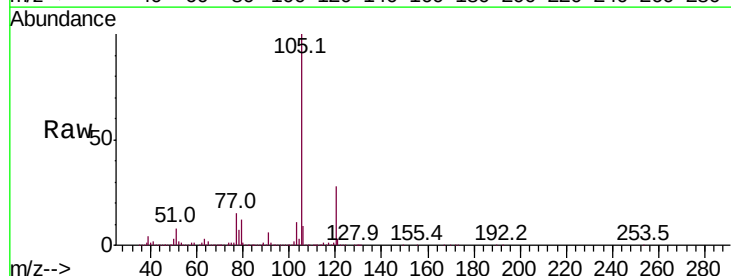
MMDadoda

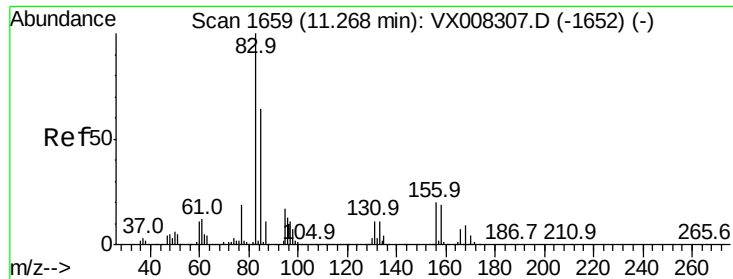
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#70
Isopropylbenzene
Concen: 152.455 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 151.098 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

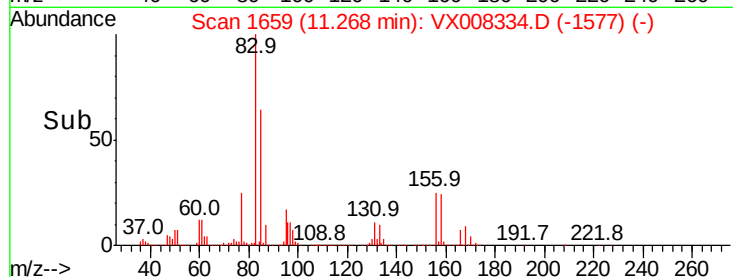
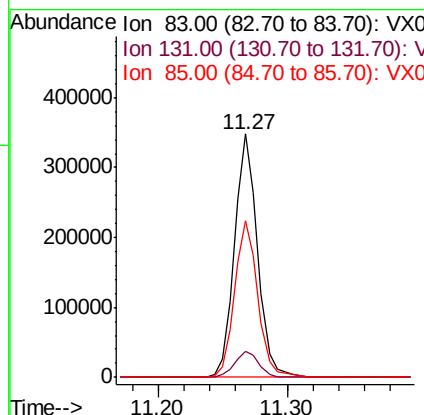
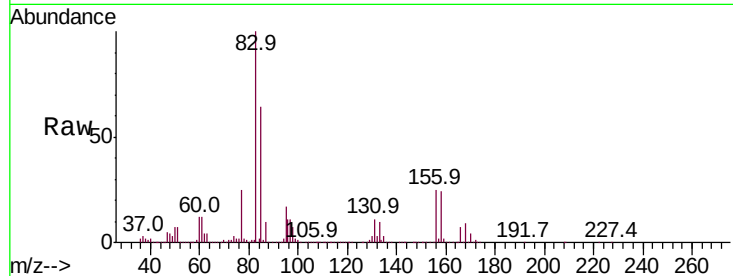
MSVOA_X

ClientSampled :

VSTDIC150

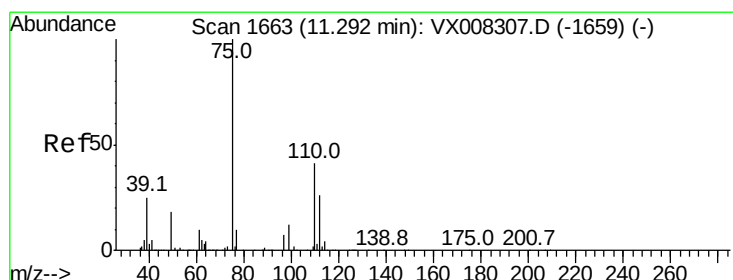
Tot Ion:	83	Resp:	434238
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	65.1	32.8	98.4

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 142.172 ug/l m

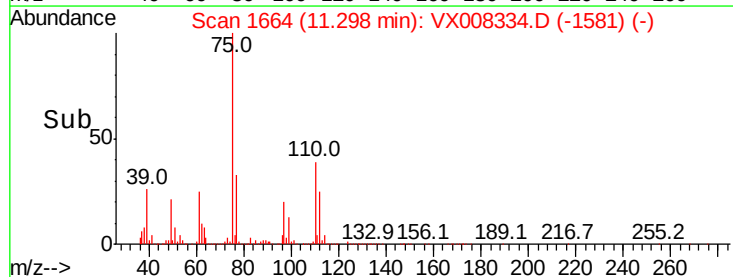
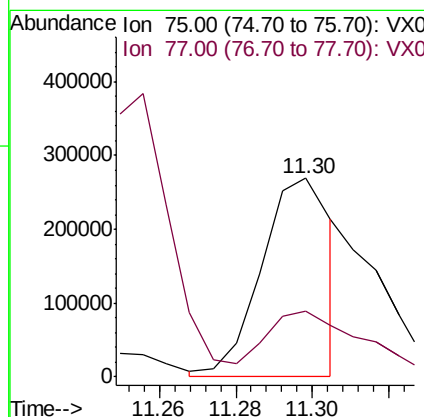
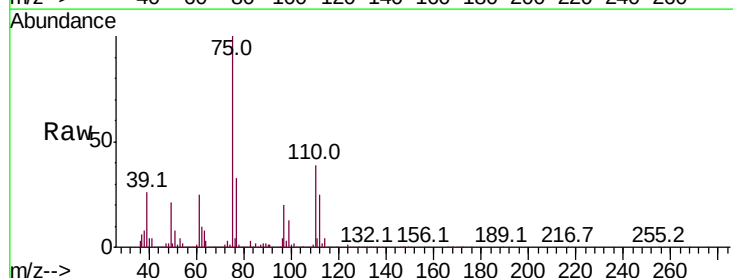
RT: 11.30 min Scan# 1664

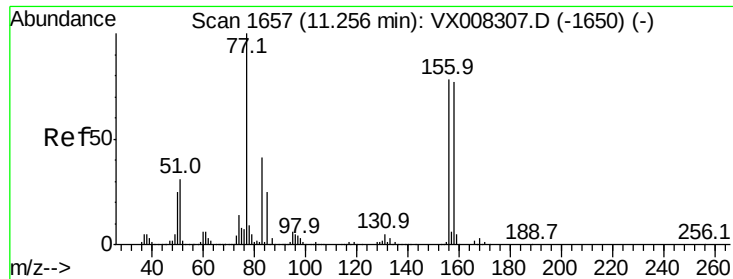
Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	75	Resp:	341037
Ion Ratio	Lower	Upper	
75	100		
77	46.1	0.0	76.4





#73

Bromobenzene

Concen: 152.385 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

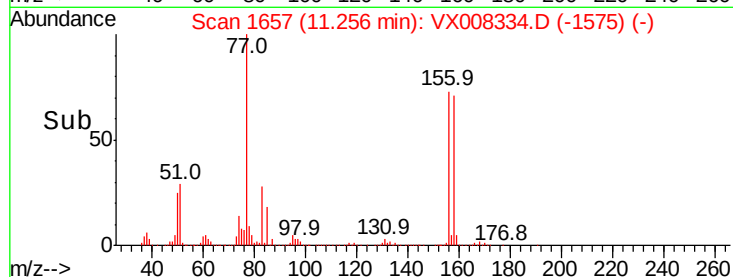
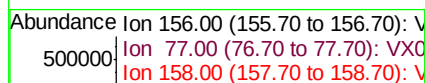
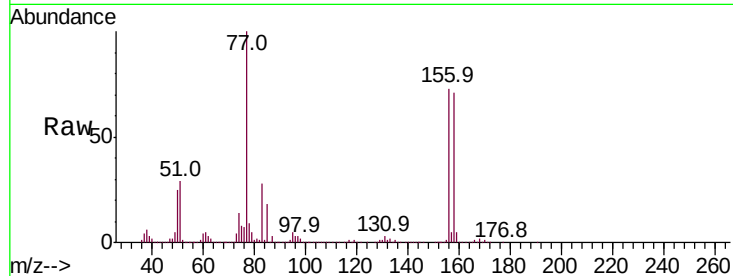
MSVOA_X

ClientSampled :

VSTDIC150

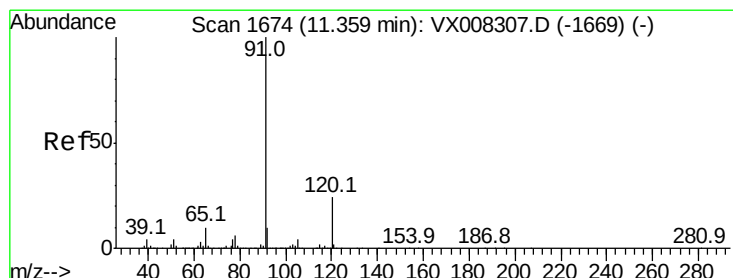
Tot Ion:	156	Resp:	355335
Ion Ratio	Lower	Upper	
156	100		
77	140.8	0.0	271.4
158	97.9	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 156.042 ug/l

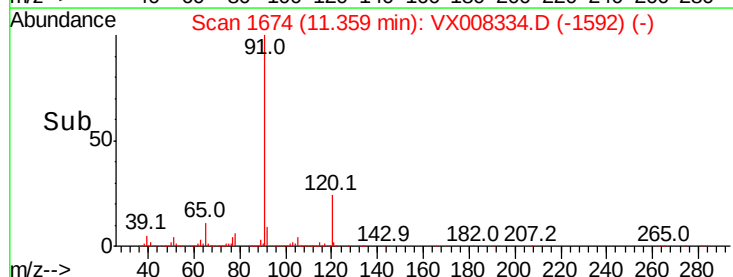
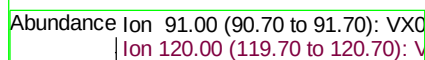
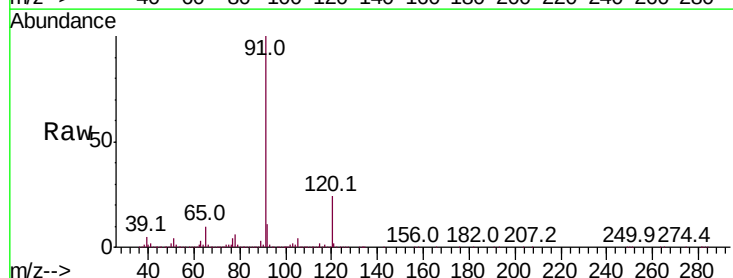
RT: 11.36 min Scan# 1674

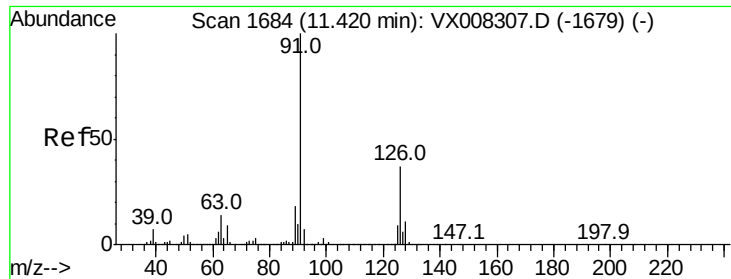
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	91	Resp:	1465882
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	48.6





#75

2-Chlorotoluene

Concen: 152.855 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

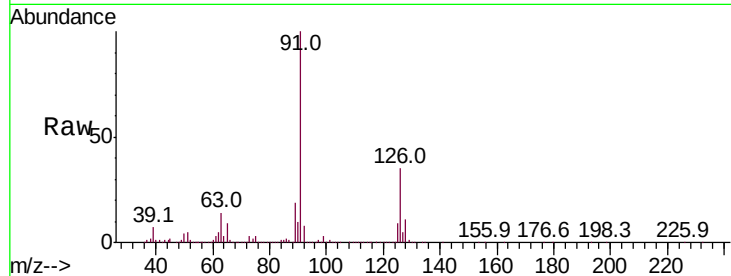
Tot Ion: 91 Resp: 857545

Ion Ratio Lower Upper

91 100

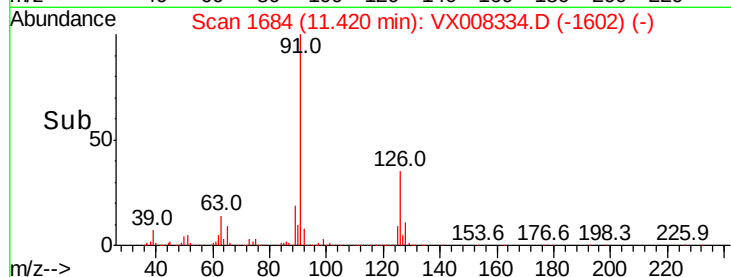
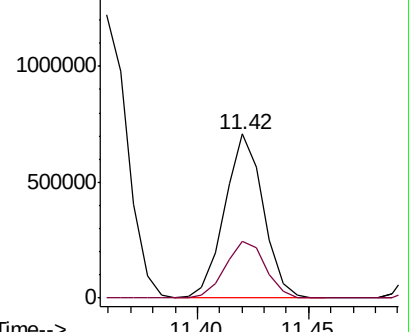
126 36.1 0.0 75.2

Manual Integrations
APPROVED



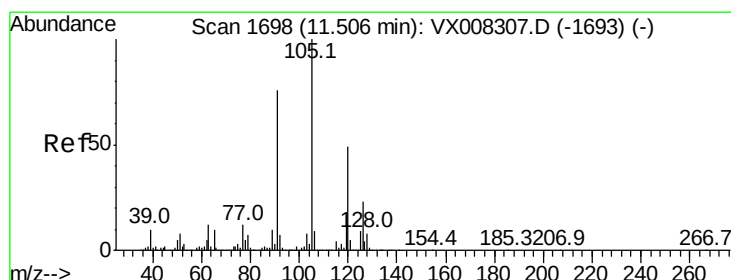
Abundance Ion 91.00 (90.70 to 91.70): VX008334.D (-1602) (-)

Ion 126.00 (125.70 to 126.70): VX008334.D (-1602) (-)



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#76

1,3,5-Trimethylbenzene

Concen: 155.338 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008334.D

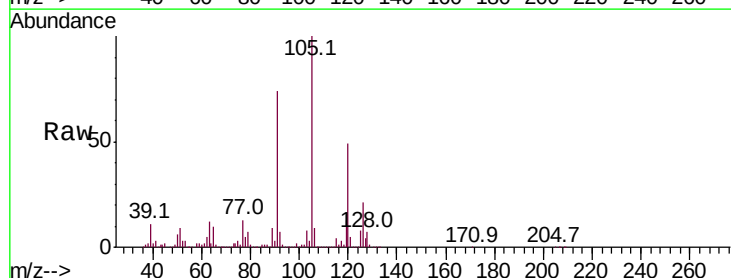
Acq: 22 Mar 2019 12:37

Tgt Ion: 105 Resp: 1118408

Ion Ratio Lower Upper

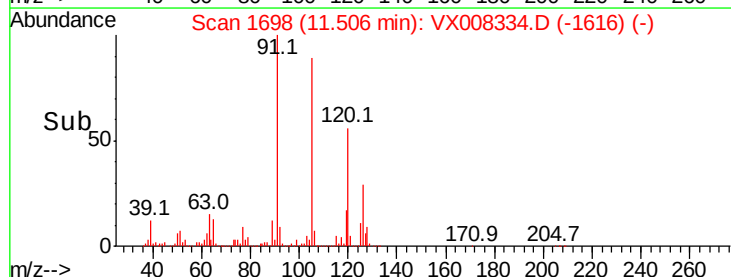
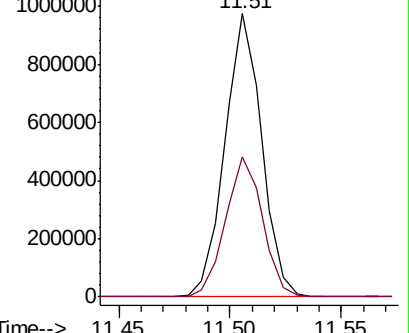
105 100

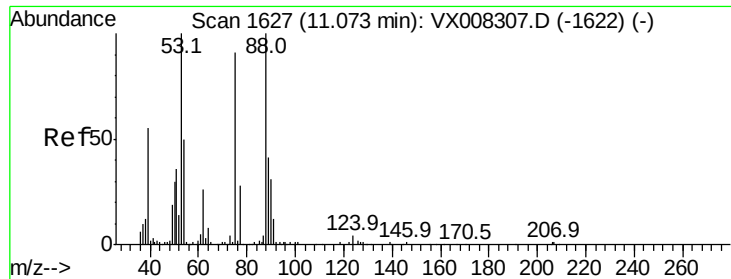
120 49.8 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008334.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX008334.D (-1616) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 181.174 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 148584

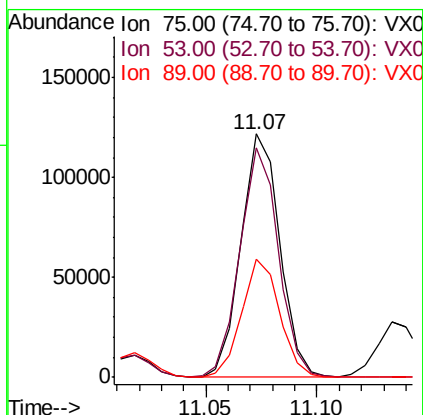
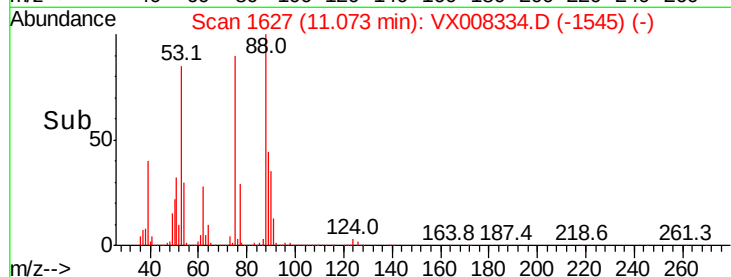
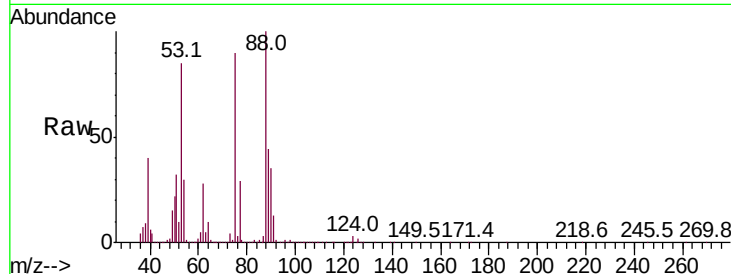
Ion Ratio Lower Upper

75 100

53 94.0 55.5 166.7

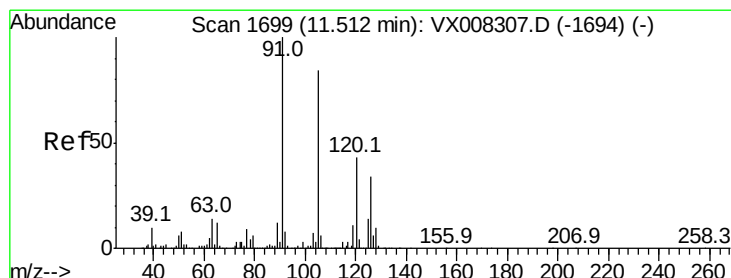
89 48.6 24.4 73.2

Manual Integrations
APPROVED



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#78

4-Chlorotoluene

Concen: 156.913 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008334.D

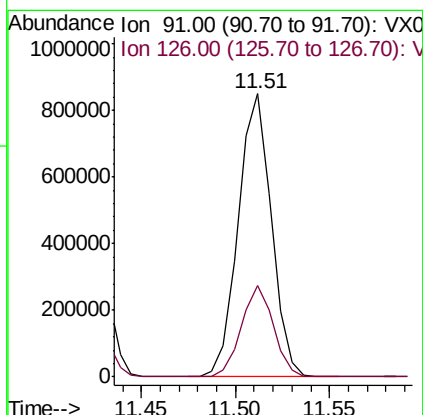
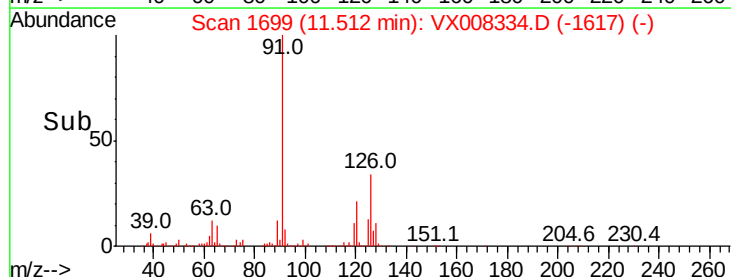
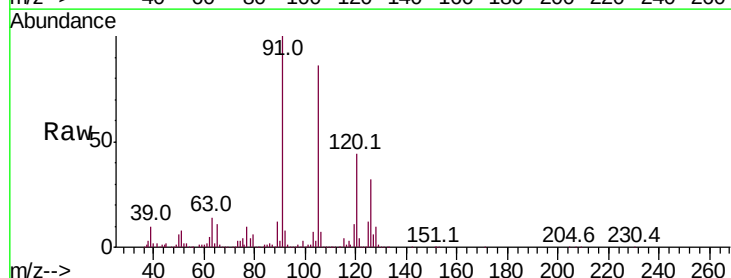
Acq: 22 Mar 2019 12:37

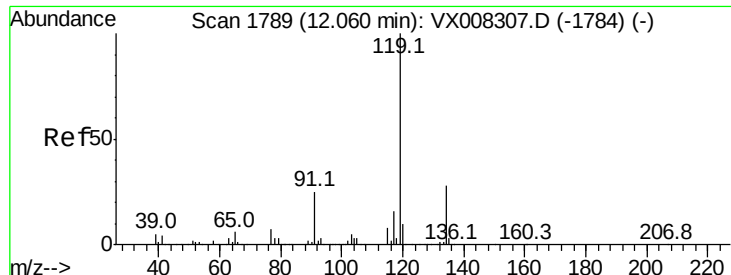
Tgt Ion: 91 Resp: 1036051

Ion Ratio Lower Upper

91 100

126 31.3 0.0 66.2



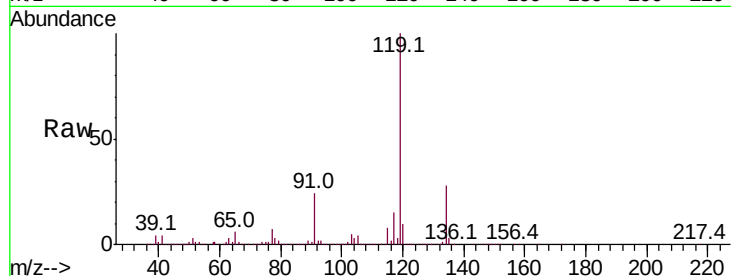


#79
tert-butylbenzene
Concen: 158.570 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

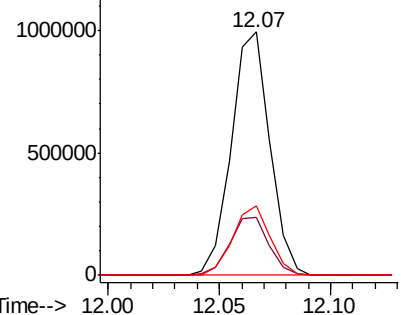
Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	24.2	0.0	45.0
134	27.6	0.0	55.4

Manual Integrations
APPROVED

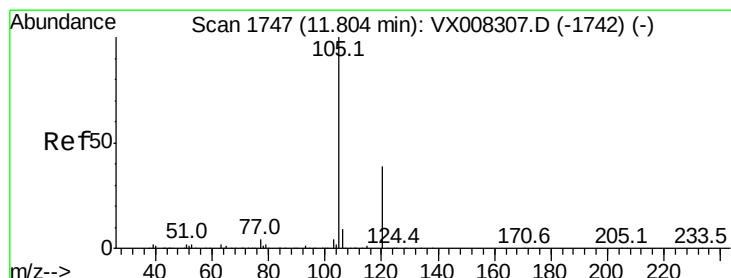
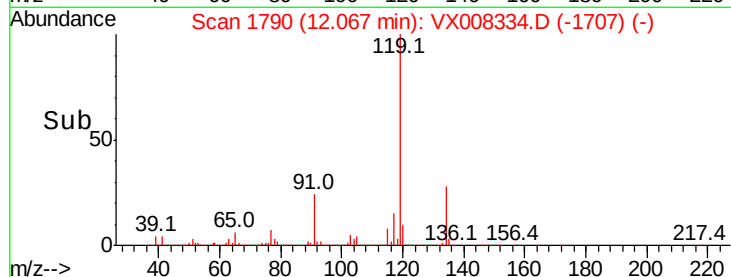


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



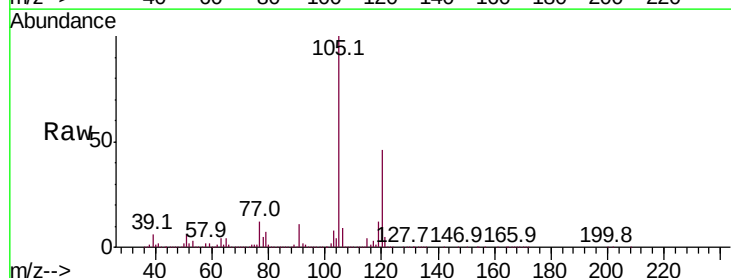
MMDadoda

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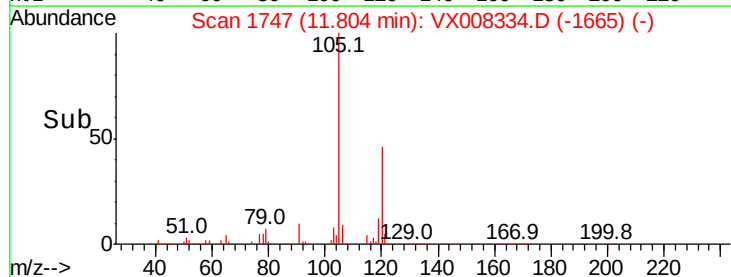
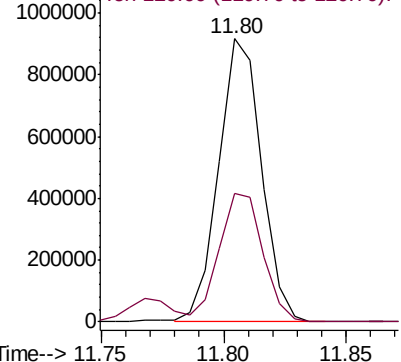


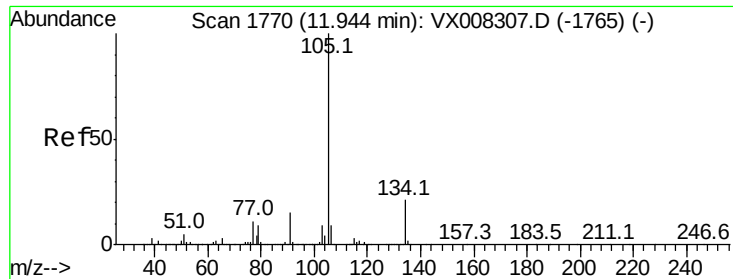
#80
1,2,4-Trimethylbenzene
Concen: 154.882 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	94.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



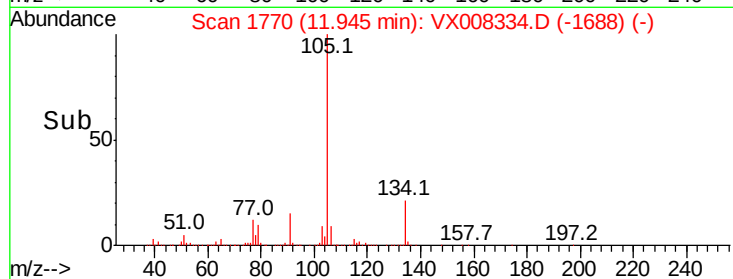
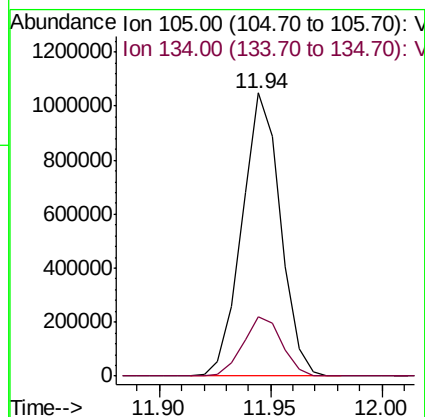
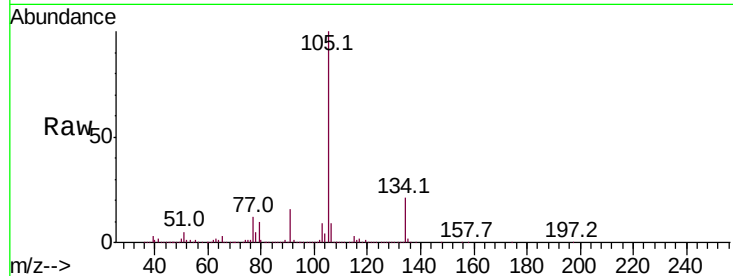


#81
 sec-Butylbenzene
 Concen: 153.541 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

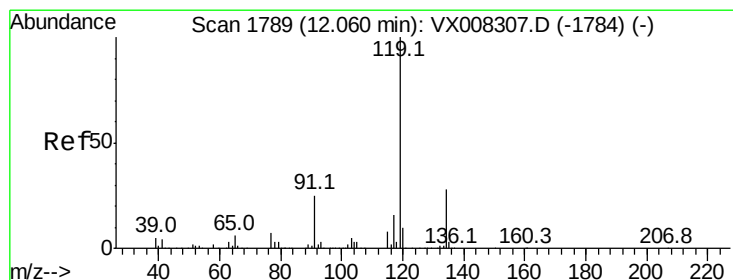
Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	0.0	41.8

Manual Integrations
 APPROVED



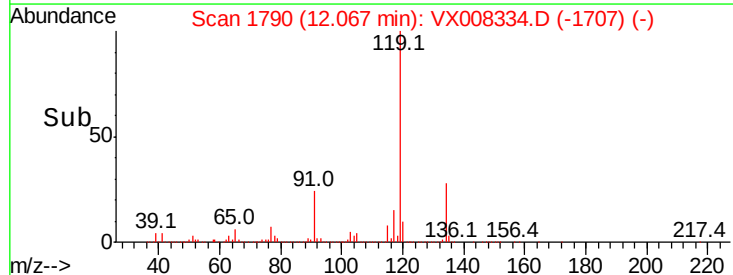
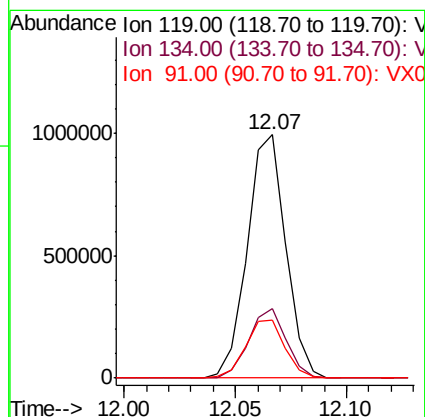
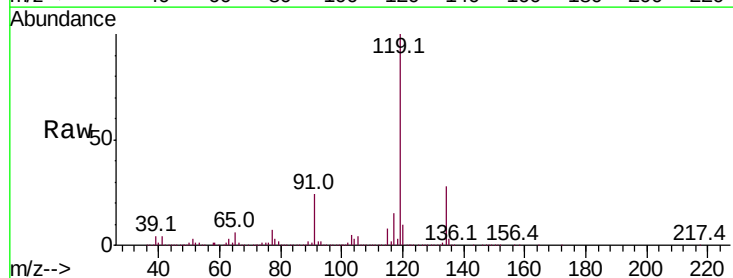
MMDadoda

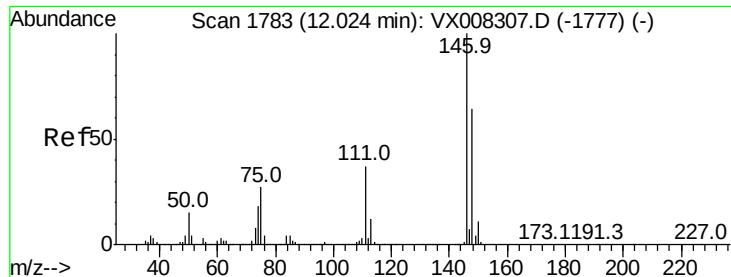
3/23/2019 9:33:51 AM



#82
 p-Isopropyltoluene
 Concen: 158.570 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	0.0	55.4
91	24.2	0.0	45.0



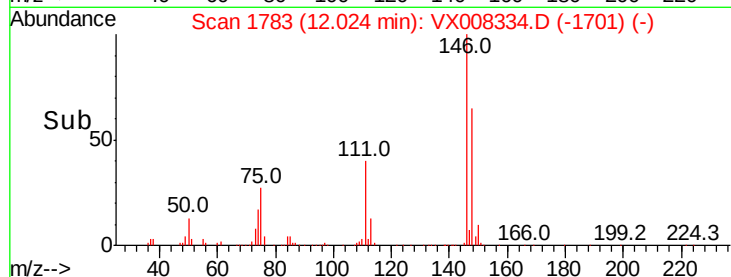
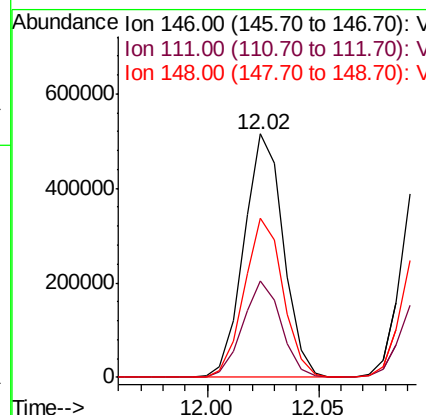
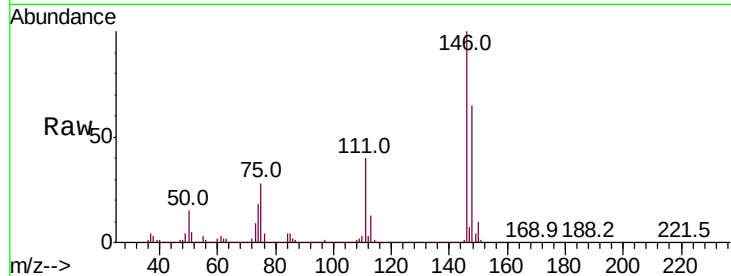


#83
 1,3-Dichlorobenzene
 Concen: 157.220 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

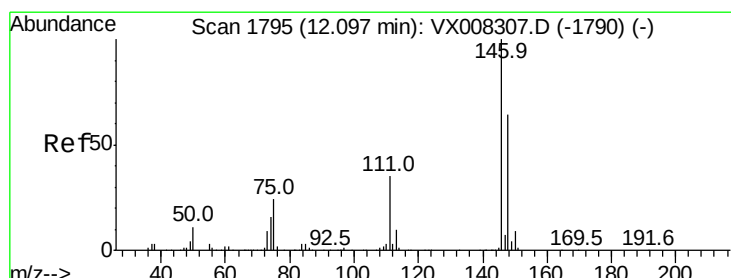
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	64.2	30.6	91.8

Manual Integrations
 APPROVED



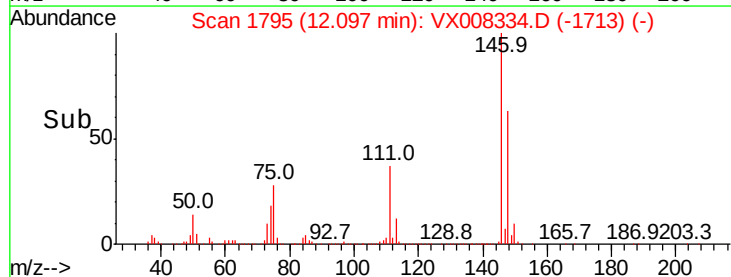
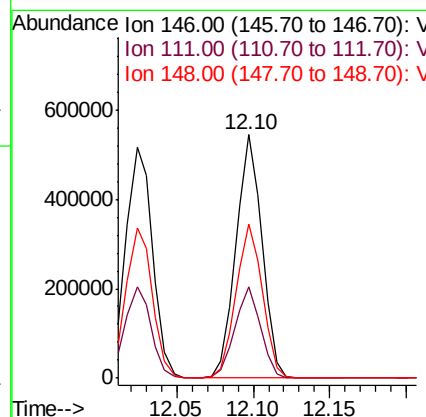
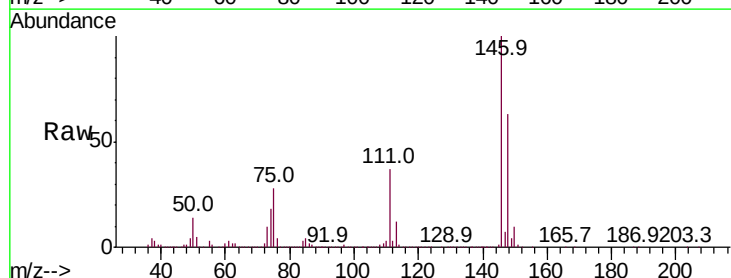
MMDadoda

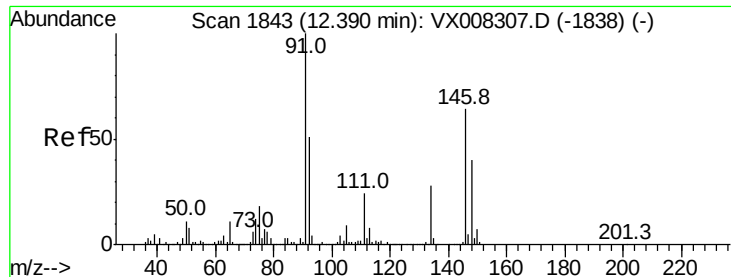
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#84
 1,4-Dichlorobenzene
 Concen: 159.441 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.6	52.8
148	63.8	31.4	94.2





#85

n-Butylbenzene

Concen: 167.361 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1090274

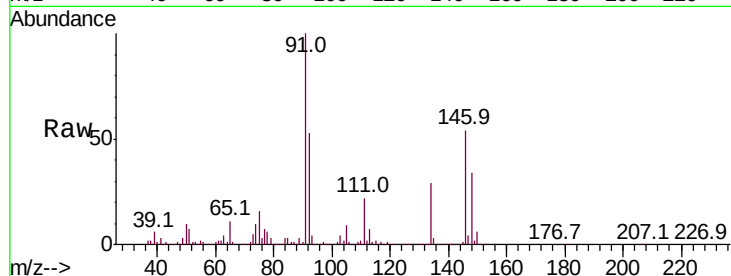
Ion Ratio Lower Upper

91 100

92 52.9 0.0 105.2

134 28.0 0.0 56.4

Manual Integrations
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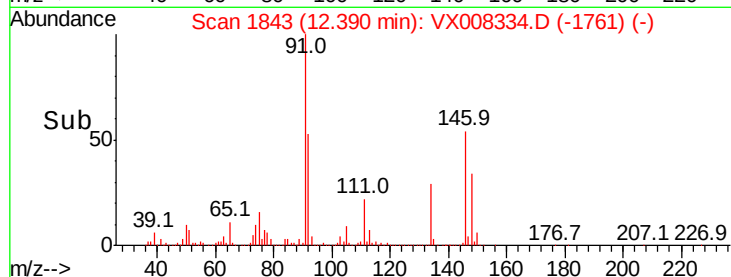


Abundance Ion 91.00 (90.70 to 91.70): VX008307.D (-1838) (-)

Ion 92.00 (91.70 to 92.70): VX008307.D (-1838) (-)

Ion 134.00 (133.70 to 134.70): VX008307.D (-1838) (-)

Time-->



Abundance Ion 91.00 (90.70 to 91.70): VX008334.D (-1761) (-)

Ion 92.00 (91.70 to 92.70): VX008334.D (-1761) (-)

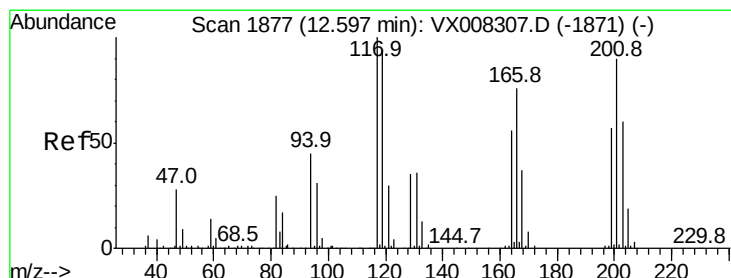
Ion 134.00 (133.70 to 134.70): VX008334.D (-1761) (-)

Time-->

Time-->

MMDadoda

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#86

Hexachloroethane

Concen: 163.514 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008334.D

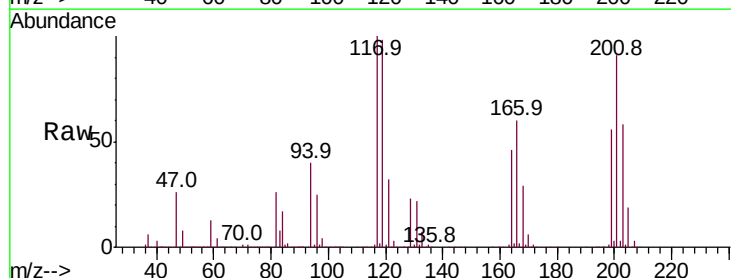
Acq: 22 Mar 2019 12:37

Tgt Ion: 117 Resp: 213429

Ion Ratio Lower Upper

117 100

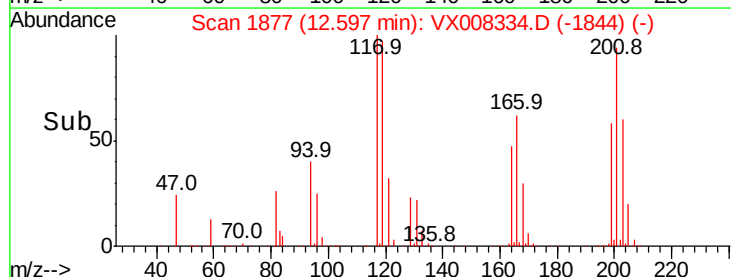
201 90.5 41.1 123.3



Abundance Ion 117.00 (116.70 to 117.70): VX008307.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX008307.D (-1871) (-)

Time-->

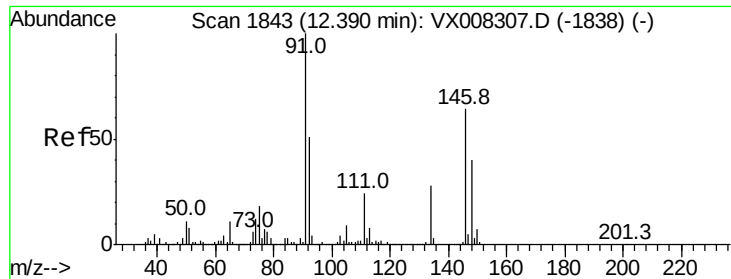


Abundance Ion 117.00 (116.70 to 117.70): VX008334.D (-1844) (-)

Ion 201.00 (200.70 to 201.70): VX008334.D (-1844) (-)

Time-->

Time-->

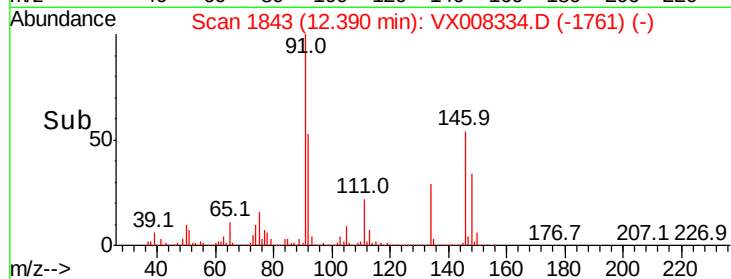
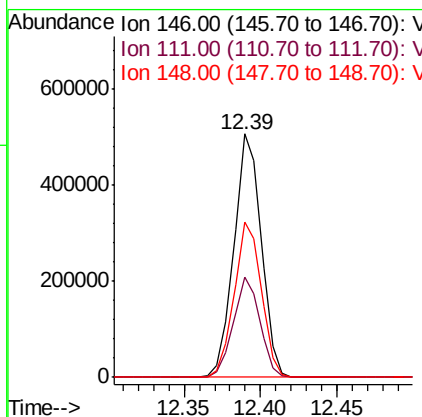
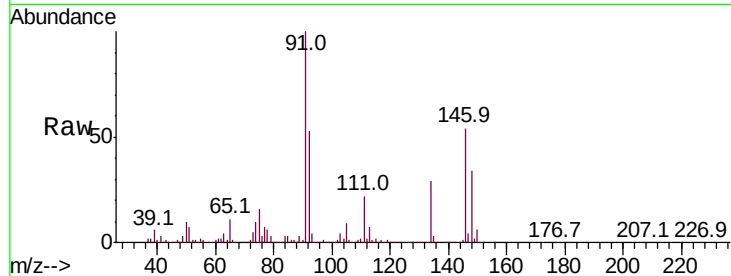


#87
 1,2-Dichlorobenzene
 Concen: 156.865 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

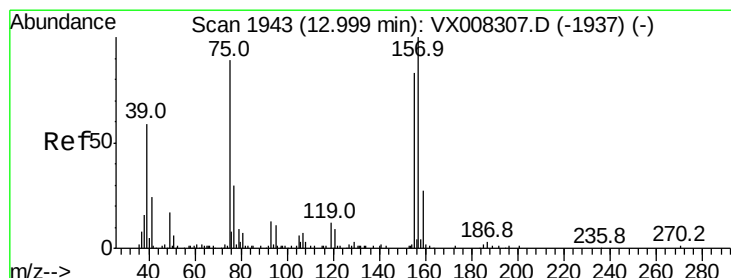
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.3	57.8
148	63.5	32.1	96.3

Manual Integrations
 APPROVED



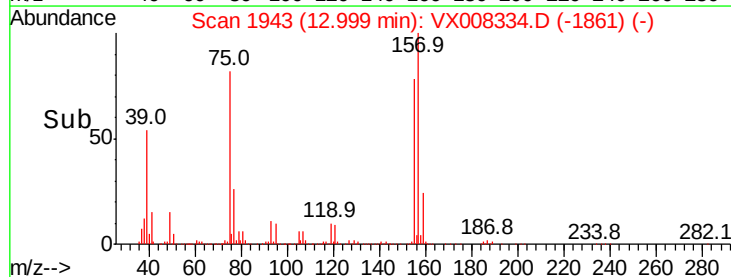
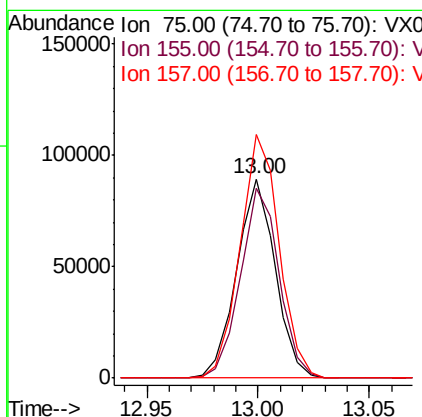
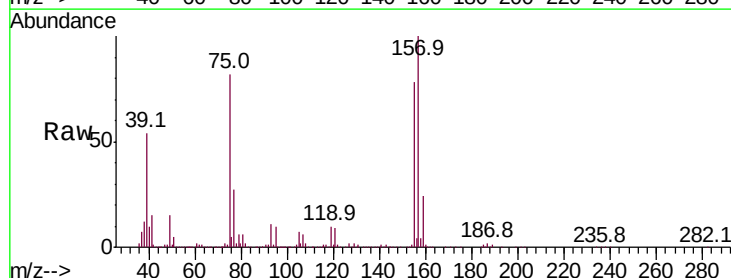
MMDadoda

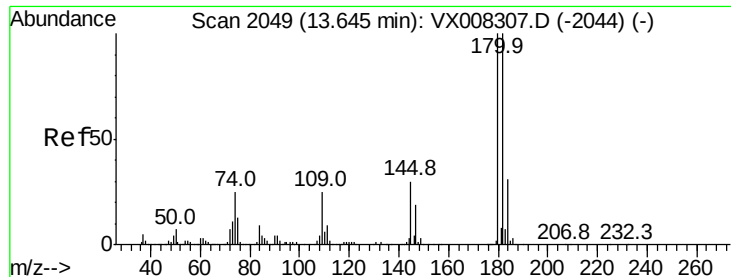
3/23/2019 9:33:51 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 164.064 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	81.0	121.6
157	123.8	103.2	154.8



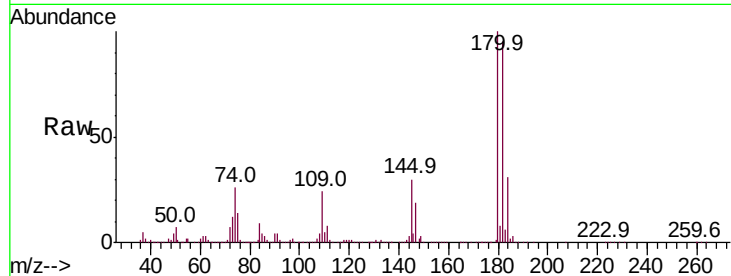


#89
1,2,4-Trichlorobenzene
Concen: 167.318 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	472659		
182	95.2	75.6	113.4	
145	29.7	23.0	34.6	

Manual Integrations
APPROVED

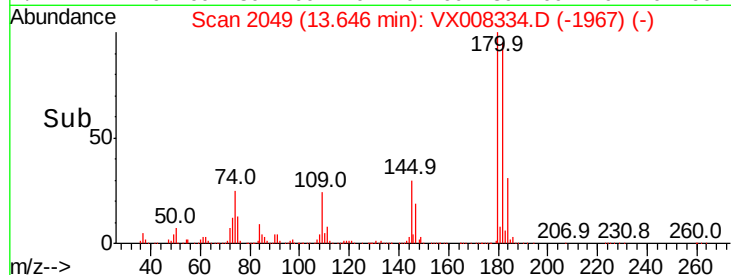
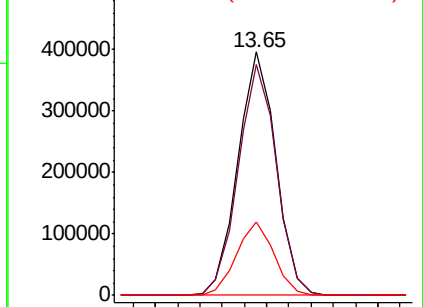


Abundance

Ion 180.00 (179.70 to 180.70): V

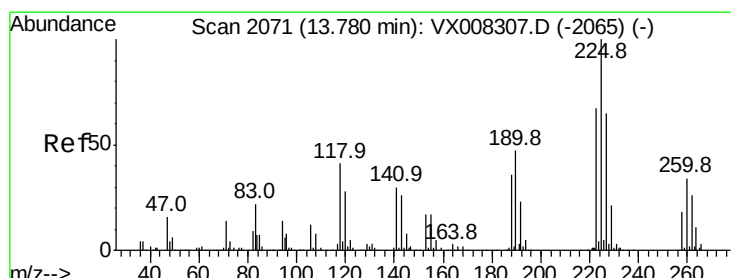
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



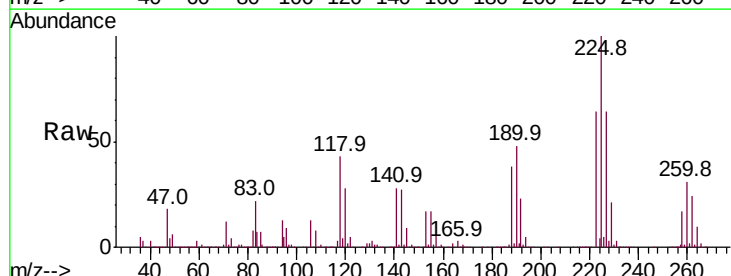
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#90
Hexachlorobutadiene
Concen: 160.897 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	228808		
223	63.4	0.0	123.8	
227	64.2	0.0	124.4	

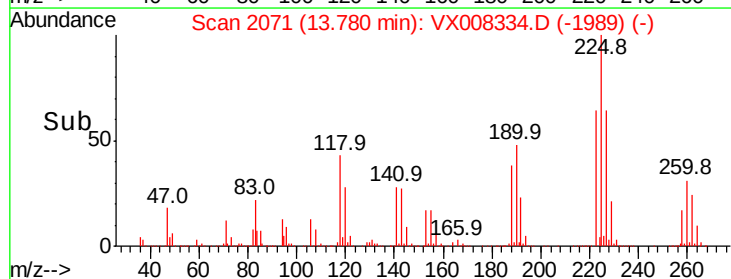
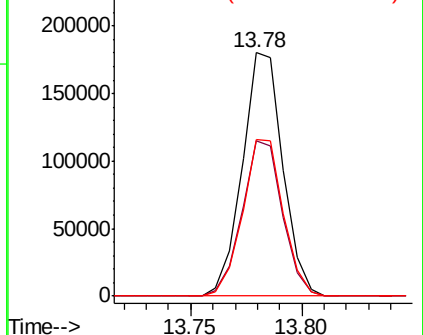


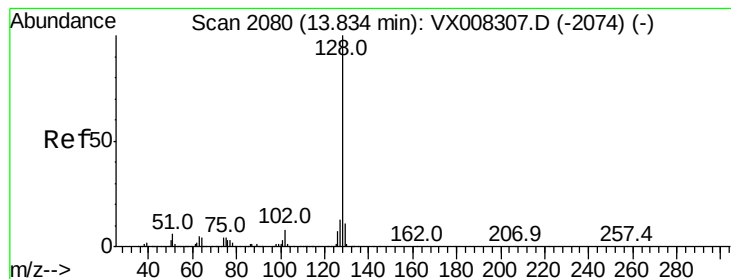
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 167.888 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:128 Resp: 1424427

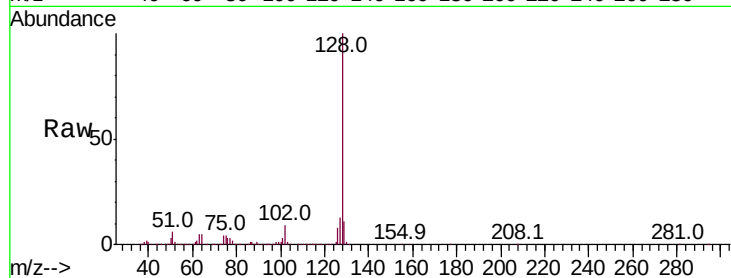
Ion Ratio Lower Upper

128 100

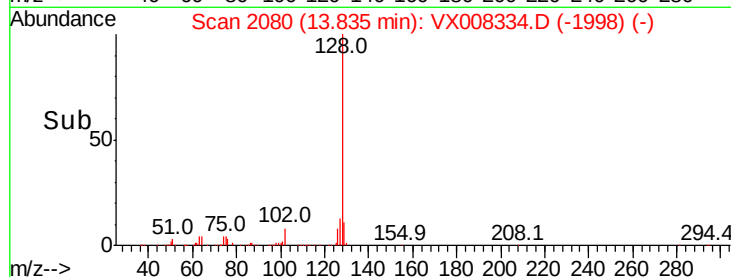
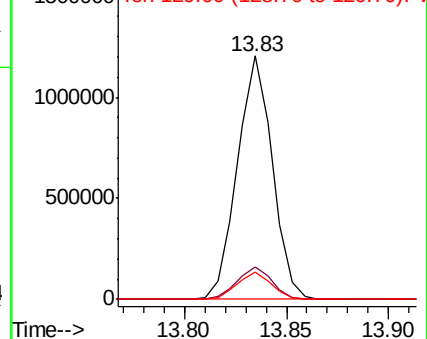
127 13.3 10.5 15.7

129 11.0 8.9 13.3

Manual Integrations
APPROVED

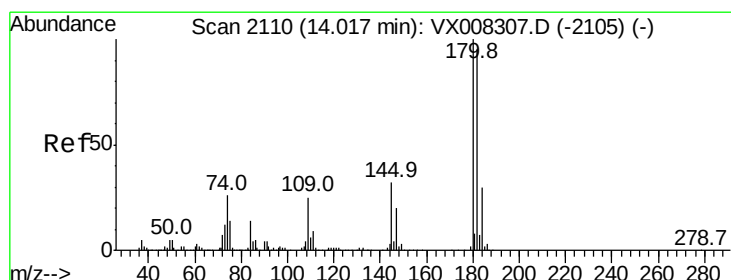


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



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#92

1,2,3-Trichlorobenzene

Concen: 164.095 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

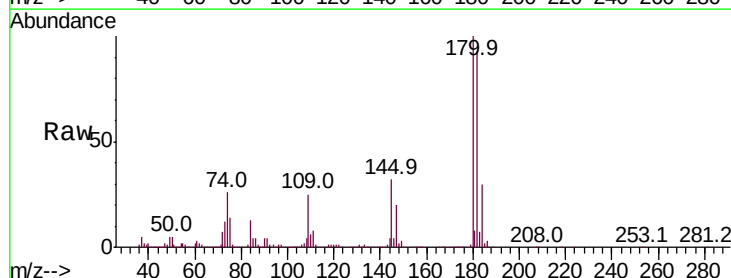
Tgt Ion:180 Resp: 468630

Ion Ratio Lower Upper

180 100

182 94.9 0.0 193.0

145 31.2 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

