

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008331.D
 Acq On : 22 Mar 2019 11:23
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:37 AM

Quant Time: Mar 22 15:33:24 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	5.02	128	31714	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	167406	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	146187	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	65027	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	11.13	95	70988	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.71	98	198267	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	34139	20.063	ug/l 100
3) Chloromethane	1.33	50	35383	20.337	ug/l 98
4) Vinyl Chloride	1.41	62	39304	20.044	ug/l 97
5) Bromomethane	1.65	94	32225	9.065	ug/l 99
6) Chloroethane	1.73	64	26640	19.115	ug/l 98
7) Trichlorofluoromethane	1.93	101	61028	19.550	ug/l 98
8) Diethyl Ether	2.19	74	22764	18.803	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33000	19.115	ug/l 100
10) 1,1-Dichloroethene	2.38	96	33550	19.688	ug/l 98
11) Methyl Iodide	2.51	142	49285	19.133	ug/l 98
12) Methyl Acetate	2.78	43	36014	19.368	ug/l 97
13) Acrolein	2.29	56	30304	104.031	ug/l 99
14) Acrylonitrile	3.15	53	91234	98.867	ug/l 99
15) Acetone	2.45	58	41391	114.383	ug/l 93
16) Carbon Disulfide	2.57	76	92974	19.677	ug/l 100
17) Allyl chloride	2.73	41	48345	19.226	ug/l 94
18) Methylene Chloride	2.86	84	35952	19.599	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	35090	19.399	ug/l 91
20) Diisopropyl ether	3.85	45	103812	19.745	ug/l # 80
21) 1,1-Dichloroethane	3.70	63	60267	19.409	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	40881	19.595	ug/l 96
23) tert-Butyl Alcohol	3.04	59	37085	98.993	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	106785	19.505	ug/l 97
25) Chloroform	5.22	83	64080	19.454	ug/l 97
26) Cyclohexane	5.59	56	53013	19.304	ug/l # 100
29) 1,1-Dichloropropene	5.81	75	46640	19.616	ug/l 98
30) 2-Butanone	4.68	43	146427	106.920	ug/l 97
31) 2,2-Dichloropropane	4.59	77	42913	19.170	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	54878	19.616	ug/l # 90
33) Carbon Tetrachloride	5.79	117	50153	19.520	ug/l 97
34) Benzene	6.15	78	141196	19.936	ug/l 98
35) Methacrylonitrile	5.05	41	25252	19.795	ug/l 96
36) 1,2-Dichloroethane	6.20	62	51906	19.883	ug/l 100
37) Trichloroethene	7.21	130	40941	19.661	ug/l 92
38) Methylcyclohexane	7.46	83	57320	19.235	ug/l 98
39) 1,2-Dichloropropane	7.52	63	36799	20.419	ug/l 100
40) Dibromomethane	7.66	93	26386	19.963	ug/l 97

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Quant Time: Mar 22 15:33:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	49371	19.685	ug/l	96
42) Vinyl Acetate	3.82	43	453828	98.593	ug/l	99
43) Ethyl Acetate	4.84	43	47240	19.531	ug/l #	83
44) Isopropyl Acetate	6.45	43	74430	19.564	ug/l	97
45) 1,4-Dioxane	7.74	88	19680	411.284	ug/l	99
46) Methyl methacrylate	7.77	41	36507	19.557	ug/l	97
47) n-amyl Acetate	10.90	43	61301	18.794	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	46979	18.708	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	53634	19.141	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	37196	19.589	ug/l	96
51) Ethyl methacrylate	9.18	69	54885	19.798	ug/l	96
52) 1,3-Dichloropropane	9.37	76	61002	20.031	ug/l	100
53) Dibromochloromethane	9.58	129	42279	19.752	ug/l	98
54) 1,2-Dibromoethane	9.67	107	41761	20.045	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	138740	99.475	ug/l	98
56) Bromoform	10.85	173	32613	19.299	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	248472	100.949	ug/l	97
59) 2-Hexanone	9.49	43	202932	104.227	ug/l	98
61) Tetrachloroethene	9.34	164	39684	20.166	ug/l	97
62) Toluene	8.79	91	155638	20.057	ug/l	100
64) Chlorobenzene	10.14	112	98309	19.652	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37759	19.763	ug/l	99
66) Ethyl Benzene	10.25	91	165970	19.777	ug/l	99
67) m/p-Xylenes	10.36	106	131277	39.360	ug/l	99
68) o-Xylene	10.70	106	63595	19.848	ug/l	97
69) Styrene	10.71	104	106713	19.728	ug/l	98
70) Isopropylbenzene	11.02	105	168136	19.945	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	57218	19.905	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	47140m	19.647	ug/l	
73) Bromobenzene	11.26	156	46441	19.912	ug/l	99
74) n-propylbenzene	11.36	91	181883	19.357	ug/l	99
75) 2-Chlorotoluene	11.42	91	110821	19.749	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	142594	19.801	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	14724	17.949	ug/l	97
78) 4-Chlorotoluene	11.51	91	126381	19.136	ug/l	99
79) tert-butylbenzene	12.06	119	146793	19.378	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	141500	19.773	ug/l	98
81) sec-Butylbenzene	11.94	105	159182	19.379	ug/l	99
82) p-Isopropyltoluene	12.06	119	146793	19.378	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	77407	19.121	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	78062	19.364	ug/l	97
85) n-Butylbenzene	12.39	91	120982	18.567	ug/l	100
86) Hexachloroethane	12.60	117	24227	18.557	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	78607	19.689	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	12624	19.184	ug/l	89
89) 1,2,4-Trichlorobenzene	13.65	180	51375	18.182	ug/l	96
90) Hexachlorobutadiene	13.78	225	27047	19.015	ug/l	97
91) Naphthalene	13.83	128	163255	19.237	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	54468	19.068	ug/l	100

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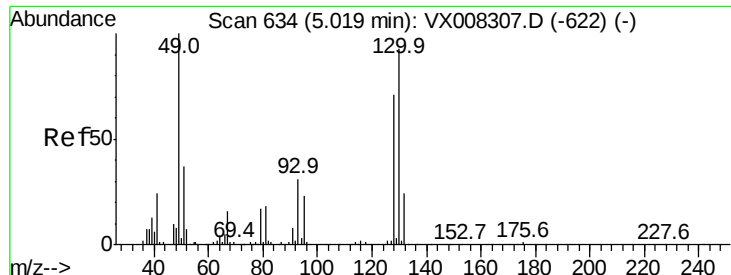
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



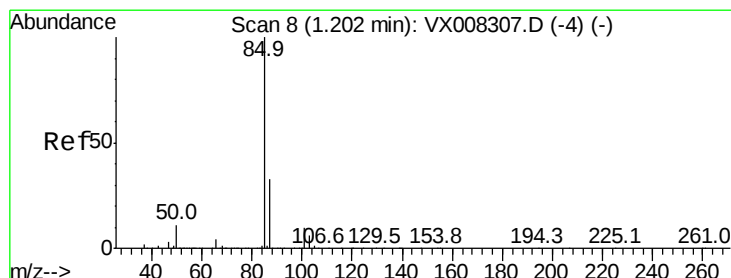
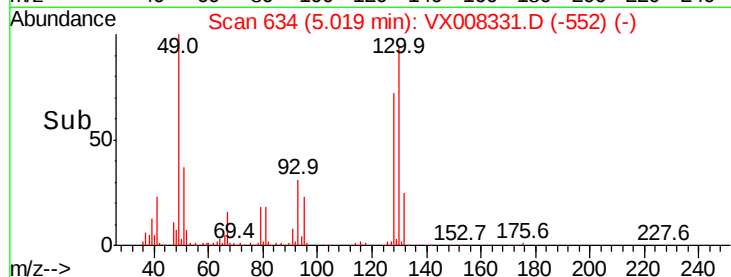
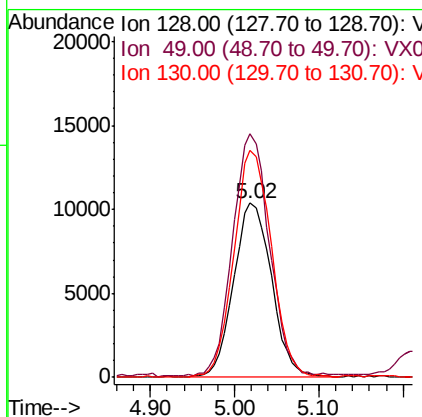
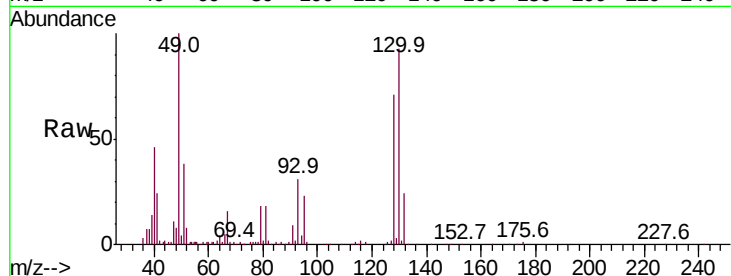
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	133.8	0.0	350.8
130	128.5	0.0	325.8

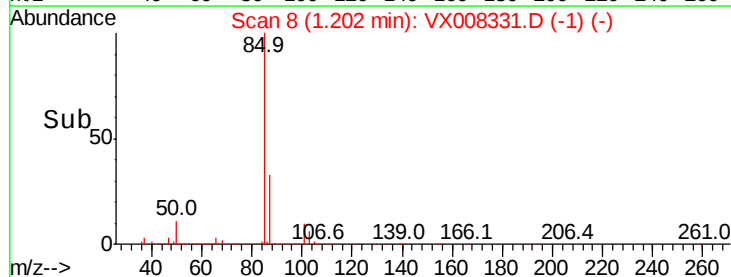
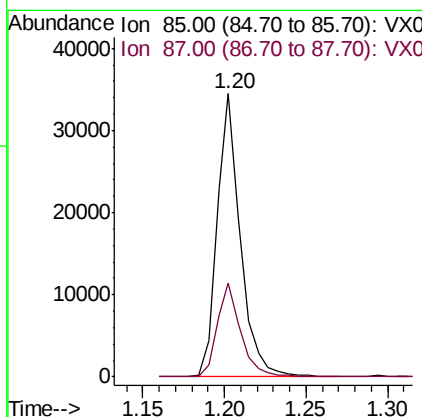
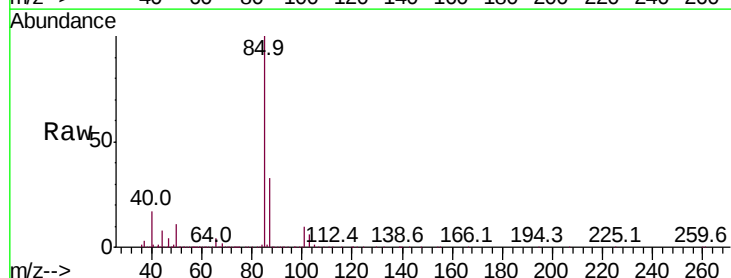
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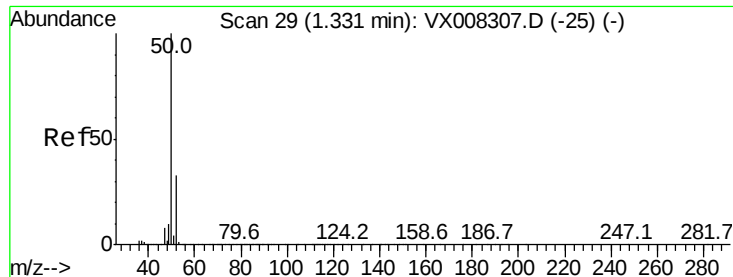
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#2
Dichlorodifluoromethane
Concen: 20.063 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.8





#3

Chloromethane

Concen: 20.337 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 35383

Ion Ratio Lower Upper

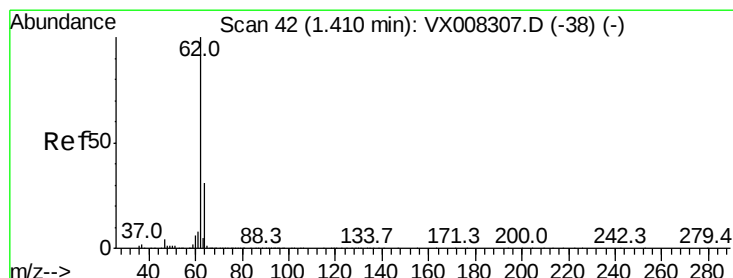
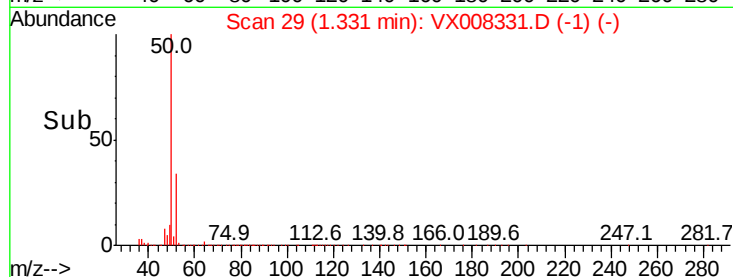
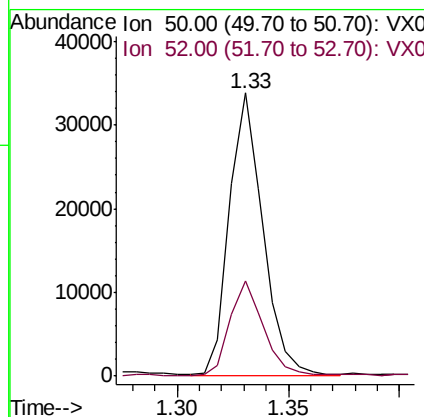
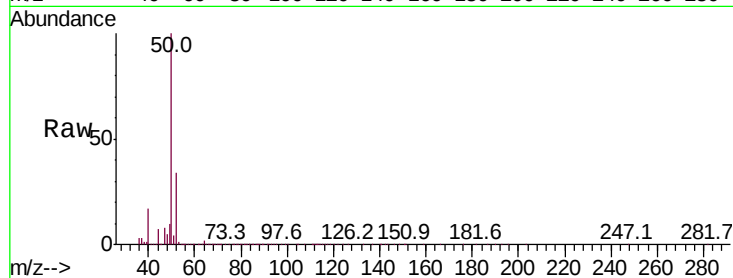
50 100

52 33.4 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.044 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008331.D

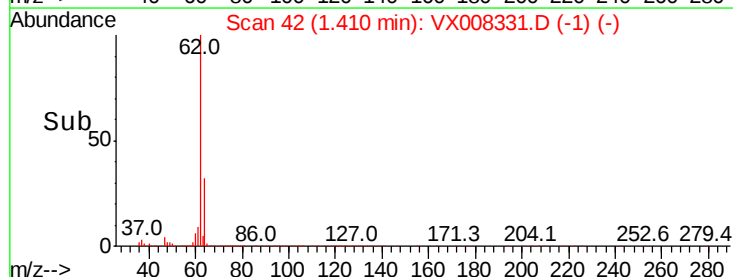
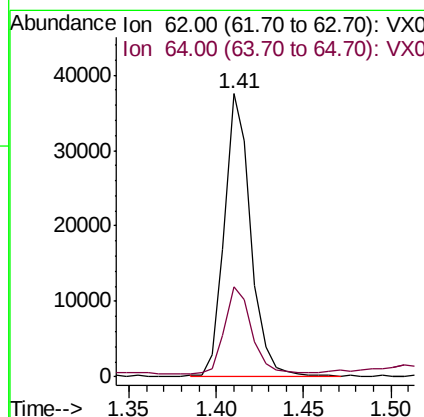
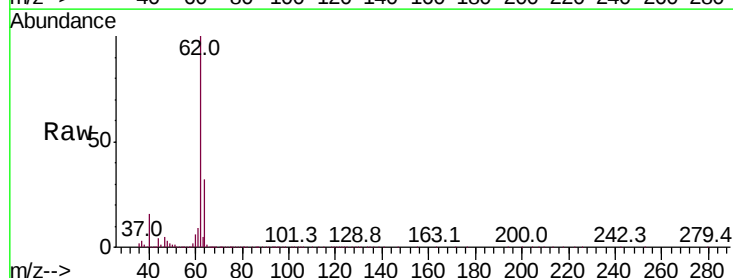
Acq: 22 Mar 2019 11:23

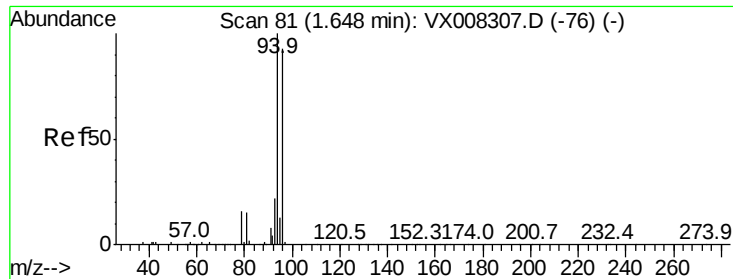
Tgt Ion: 62 Resp: 39304

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 9.065 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 32225

Ion Ratio Lower Upper

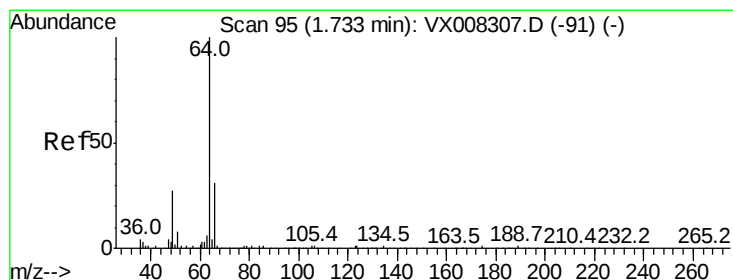
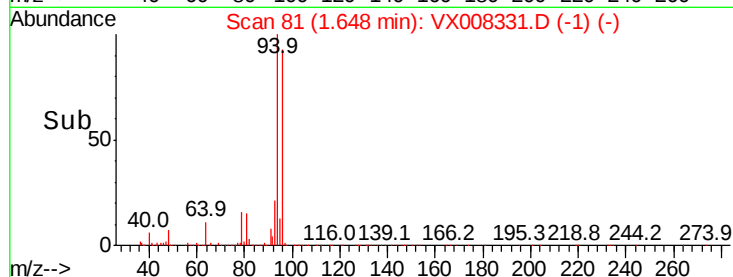
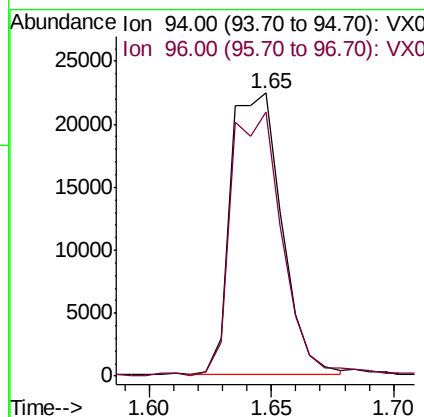
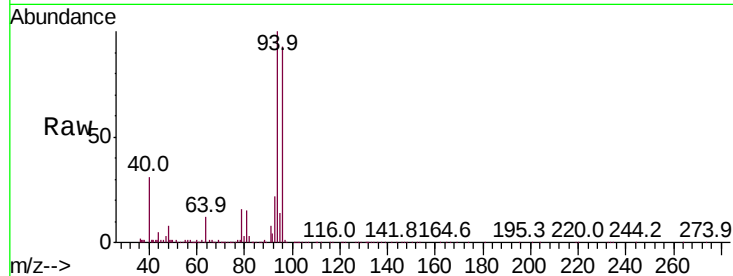
94 100

96 93.7 75.6 113.4

Manual Integrations
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#6

Chloroethane

Concen: 19.115 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.00 min

Lab File: VX008331.D

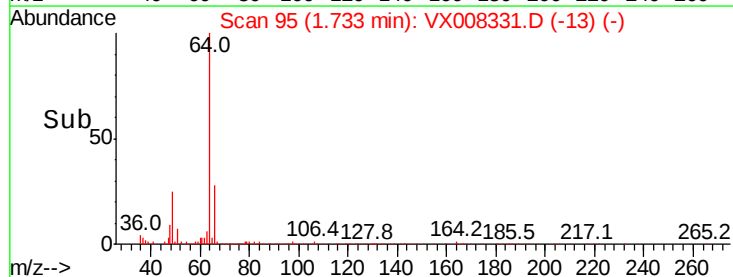
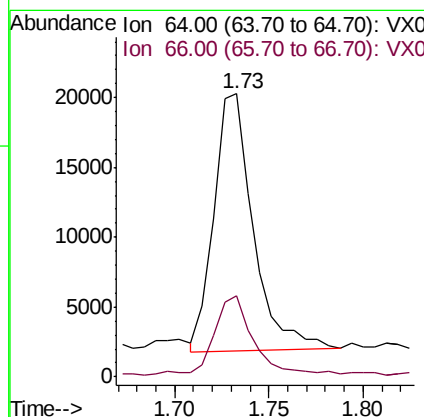
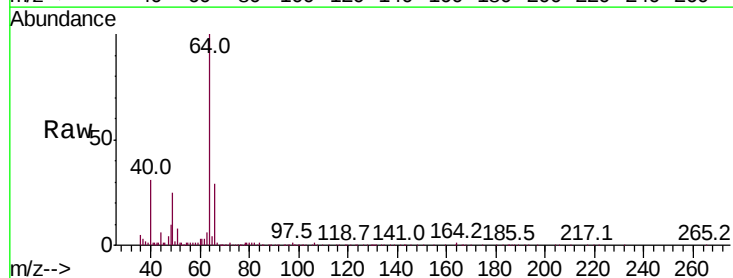
Acq: 22 Mar 2019 11:23

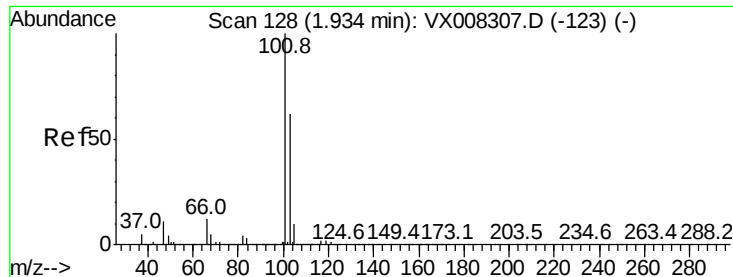
Tgt Ion: 64 Resp: 26640

Ion Ratio Lower Upper

64 100

66 31.1 23.9 35.9





#7

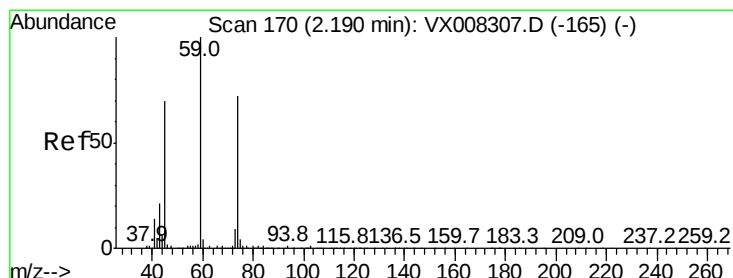
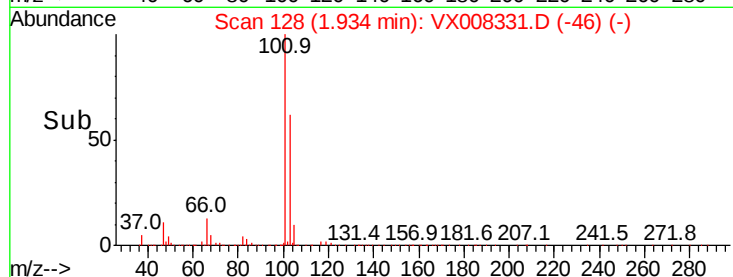
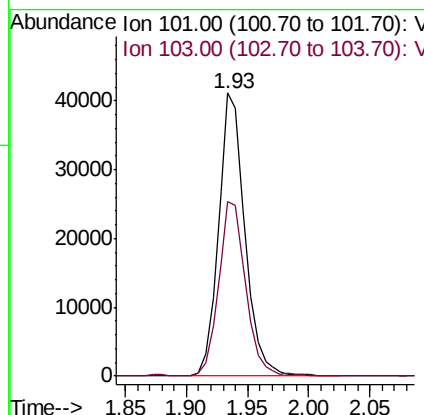
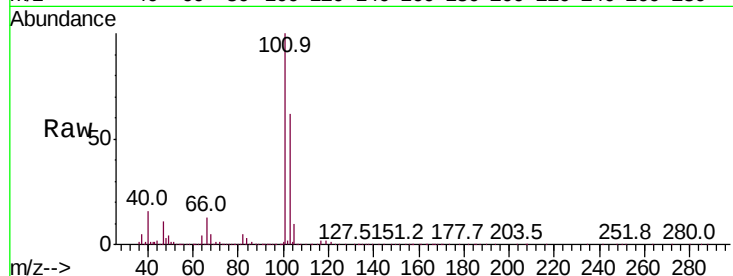
Trichlorofluoromethane
Concen: 19.550 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.4	75.6

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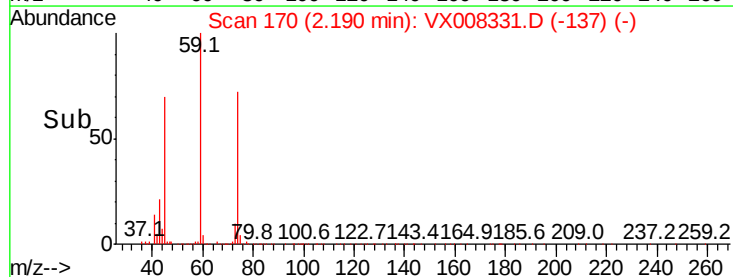
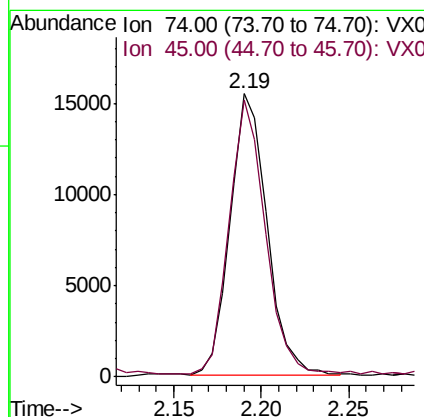
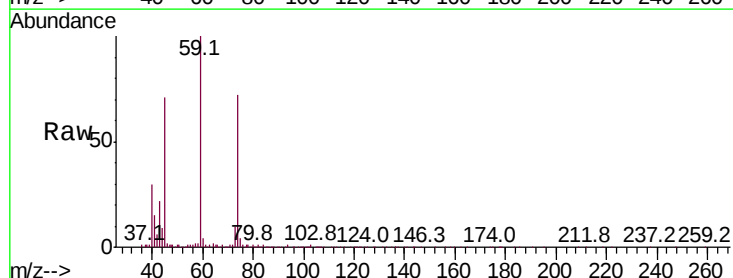
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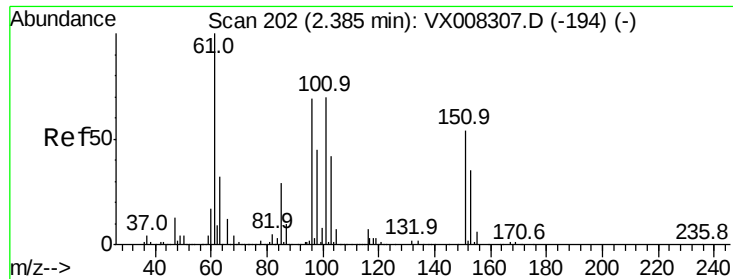


#8

Diethyl Ether
Concen: 18.803 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.115 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

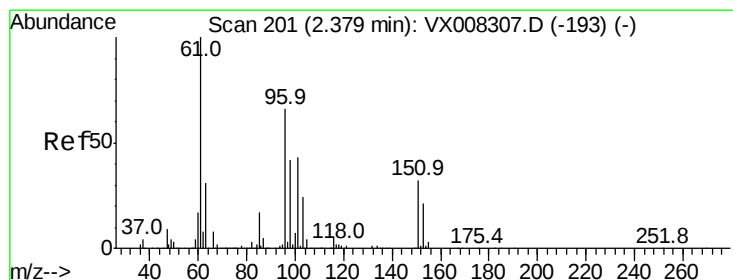
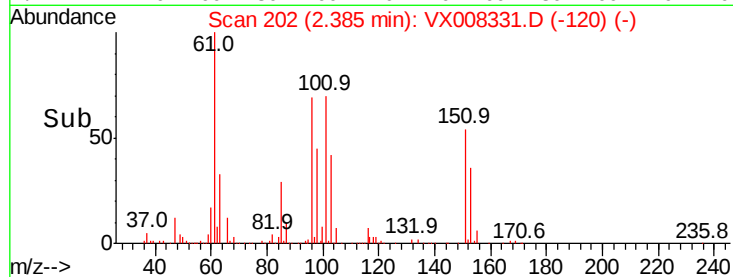
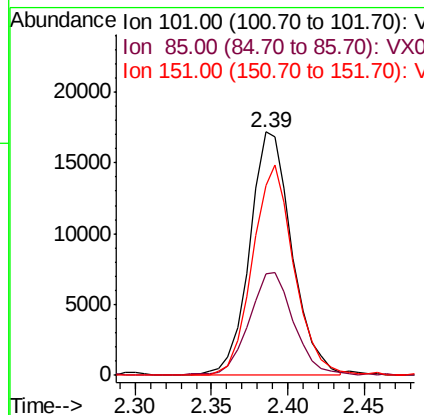
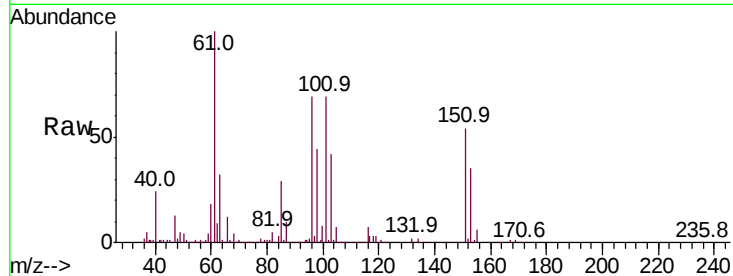
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	33000
Ion Ratio	Lower	Upper	
101	100		
85	44.1	0.0	86.8
151	84.8	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.688 ug/l

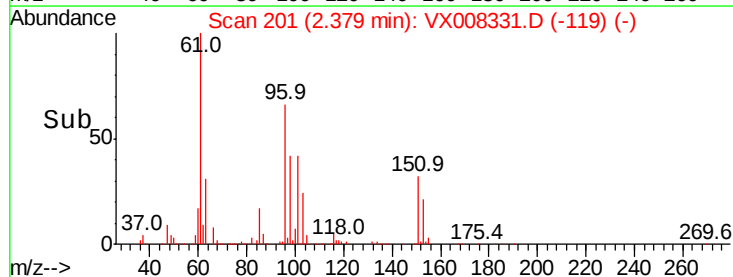
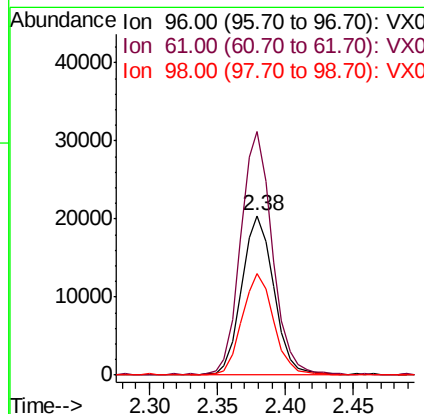
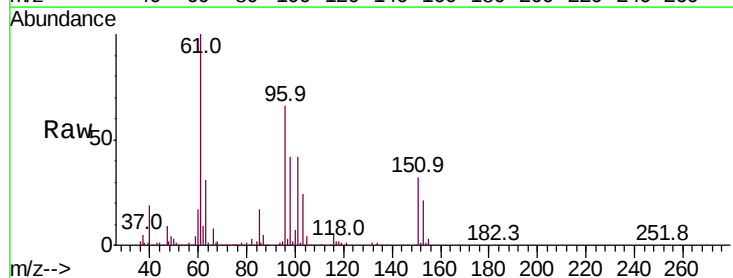
RT: 2.38 min Scan# 201

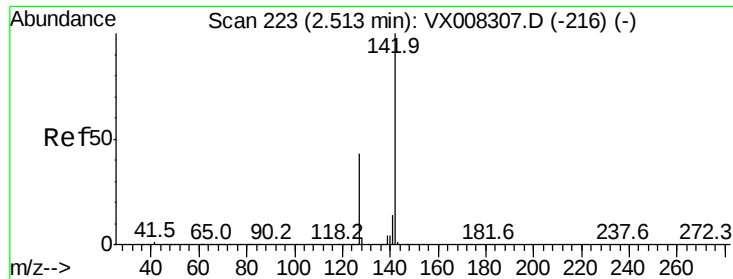
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	96	Resp:	33550
Ion Ratio	Lower	Upper	
96	100		
61	152.2	120.2	180.2
98	63.6	49.0	73.4





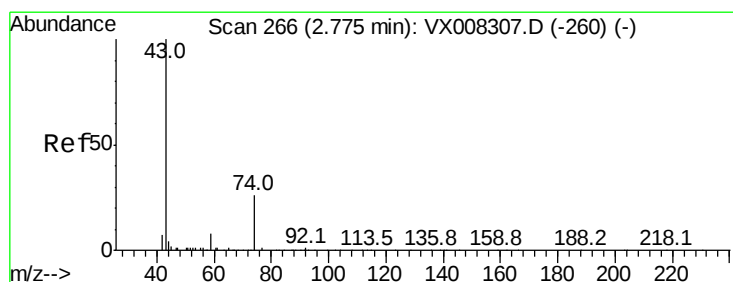
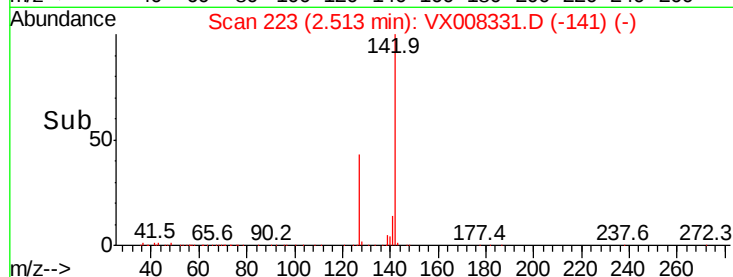
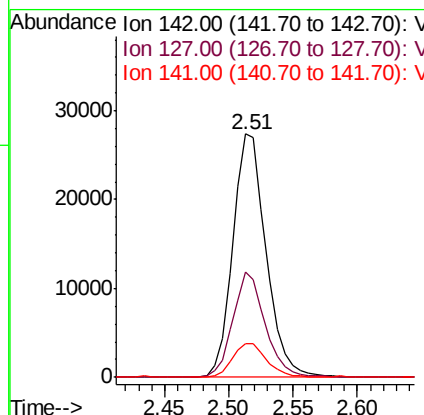
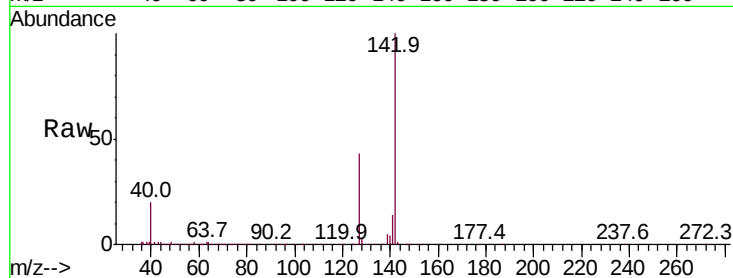
#11
Methvl Iodide
Concen: 19.133 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.3	22.1	66.5
141	13.6	7.4	22.3

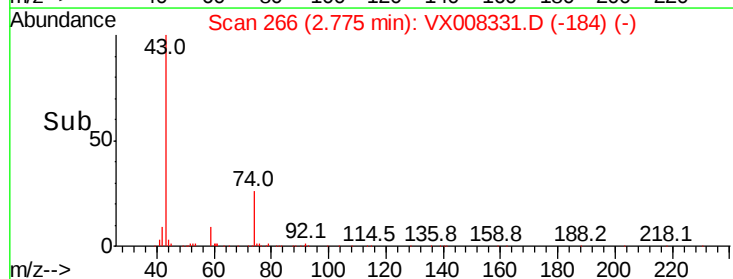
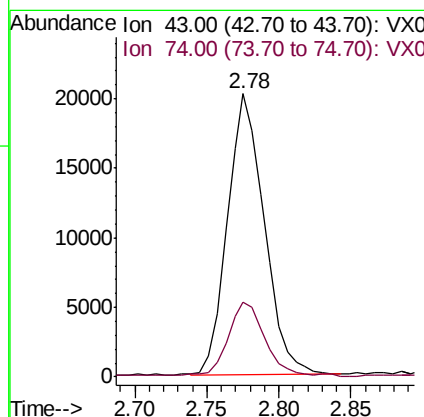
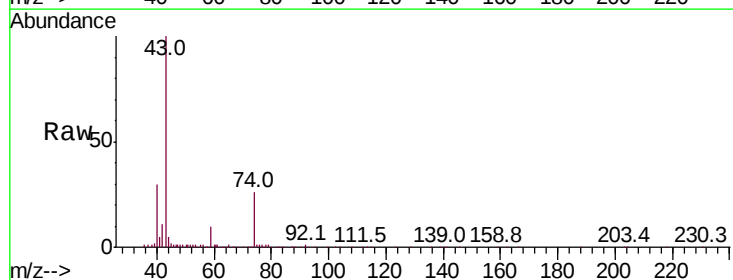
Manual Integrations
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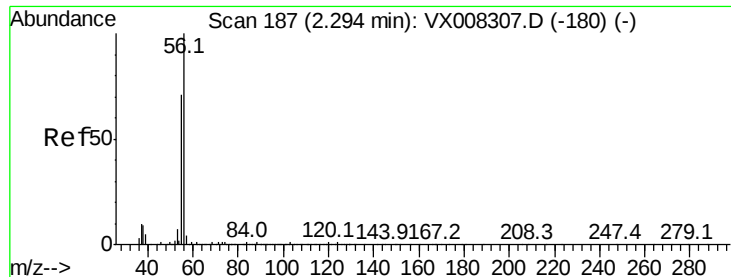
MMDadoda
3/23/2019 9:33:37 AM



#12
Methyl Acetate
Concen: 19.368 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.4	29.0





#13

Acrolein

Concen: 104.031 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 30304

Ion Ratio Lower Upper

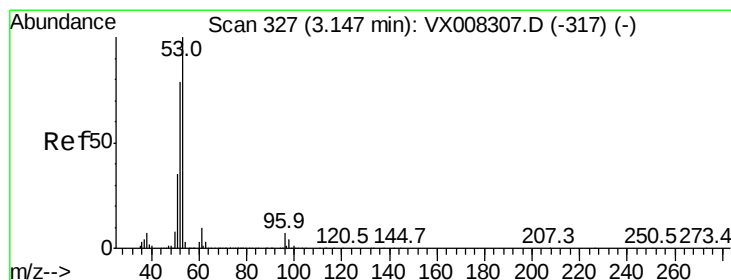
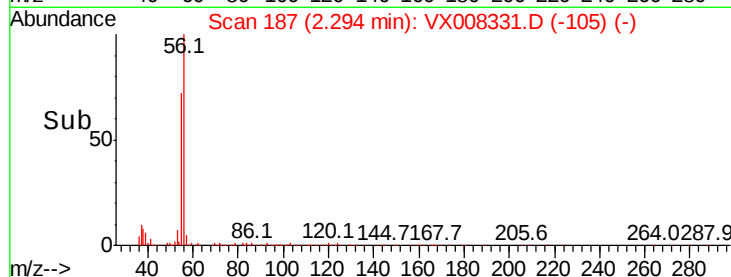
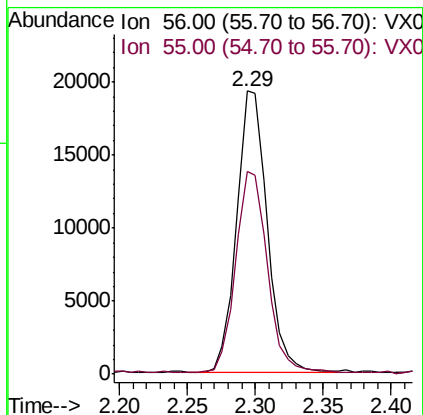
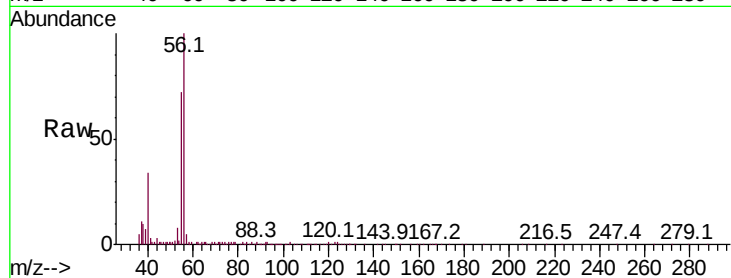
56 100

55 73.8 58.6 87.8

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#14

Acrylonitrile

Concen: 98.867 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

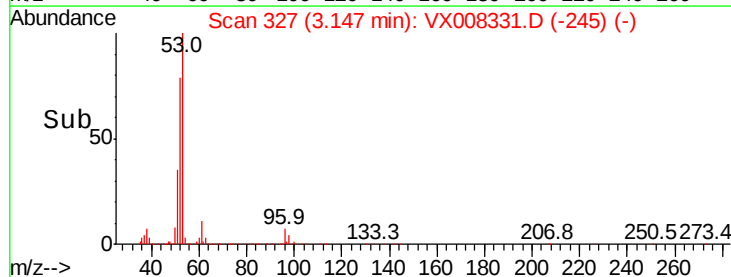
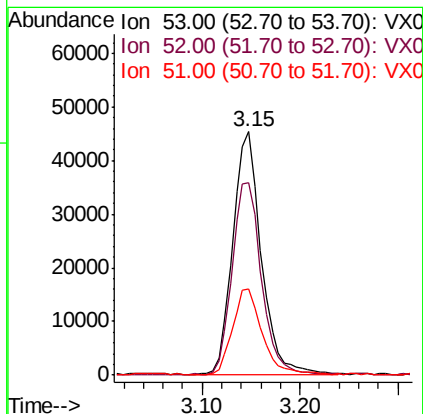
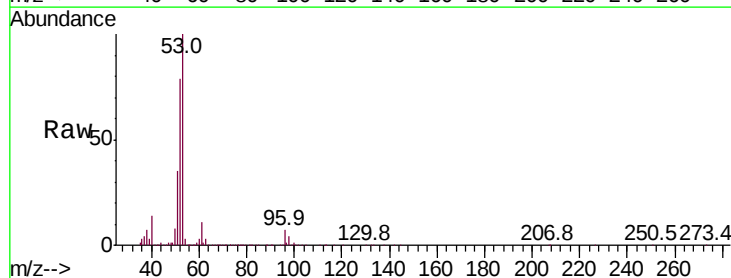
Tgt Ion: 53 Resp: 91234

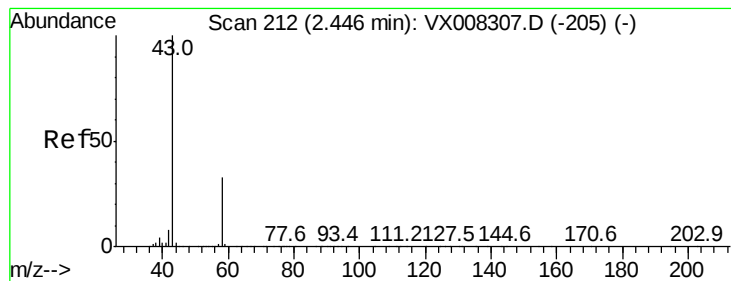
Ion Ratio Lower Upper

53 100

52 81.9 41.3 124.1

51 36.5 17.5 52.6





#15

Acetone

Concen: 114.383 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 41391

Ion Ratio Lower Upper

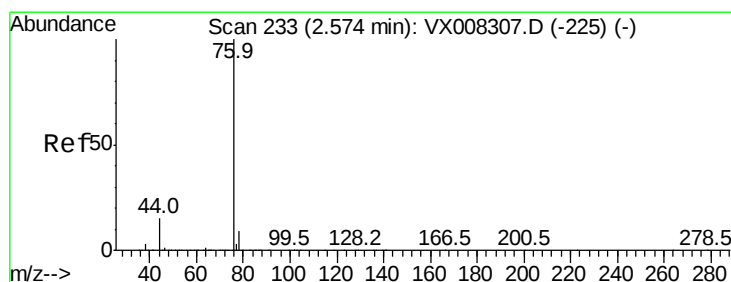
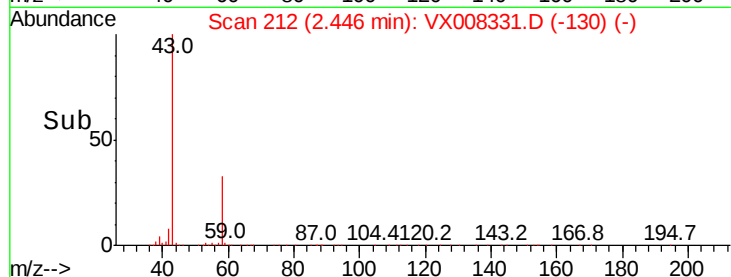
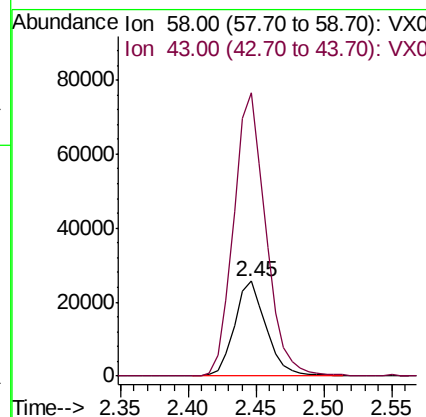
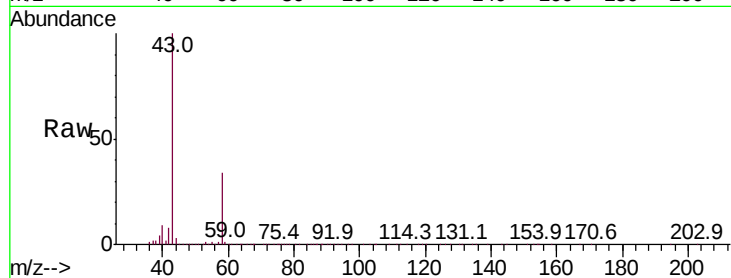
58 100

43 298.6 249.8 374.6

Manual Integrations
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#16

Carbon Disulfide

Concen: 19.677 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008331.D

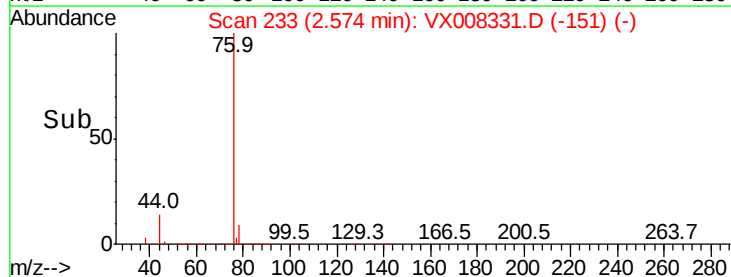
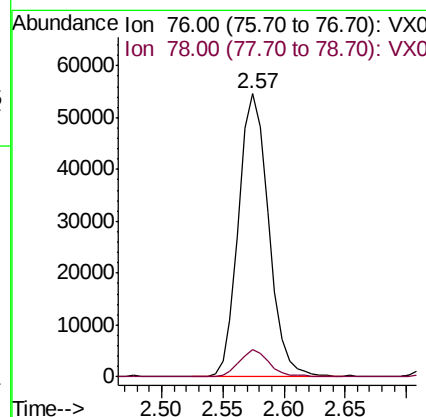
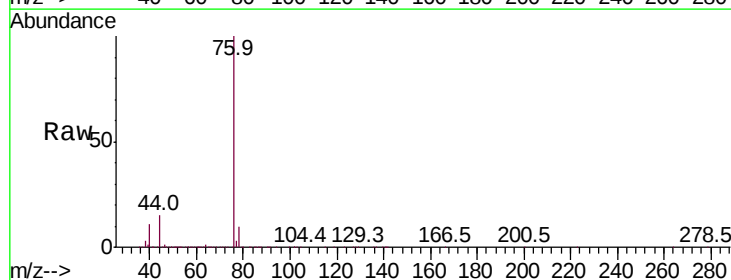
Acq: 22 Mar 2019 11:23

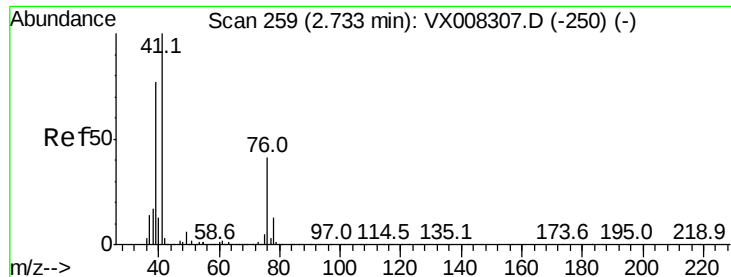
Tgt Ion: 76 Resp: 92974

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





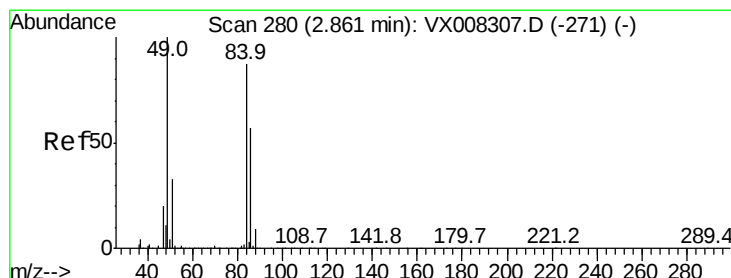
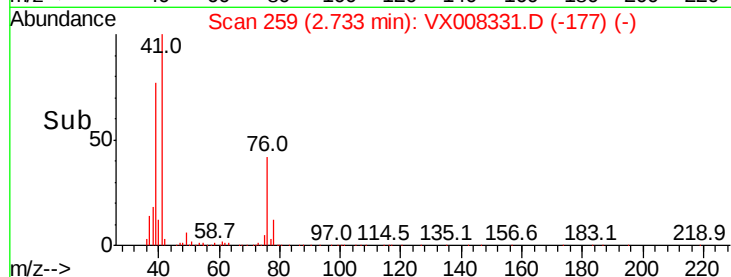
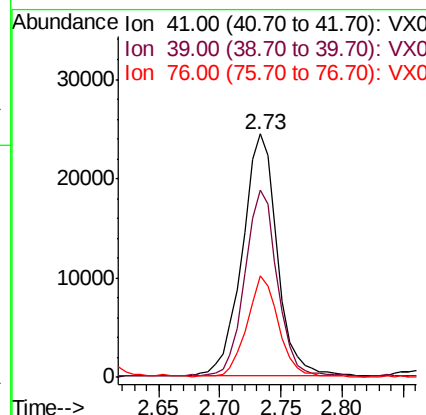
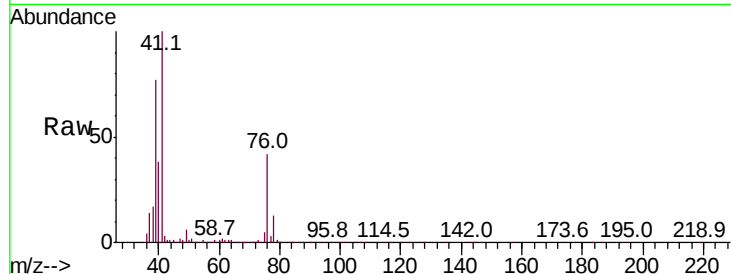
#17
Allvl chloride
Concen: 19.226 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	48345		
39	76.3		35.8	107.4
76	41.4		18.3	54.9

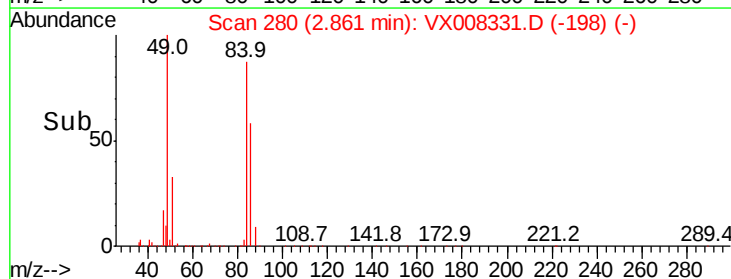
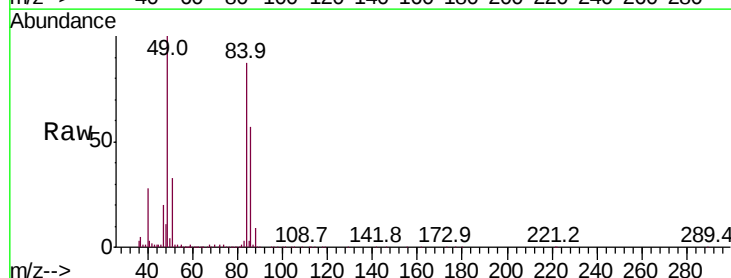
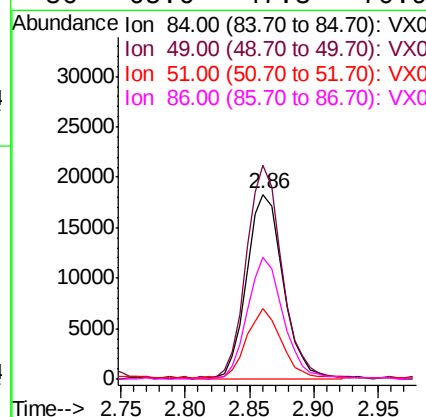
Manual Integrations
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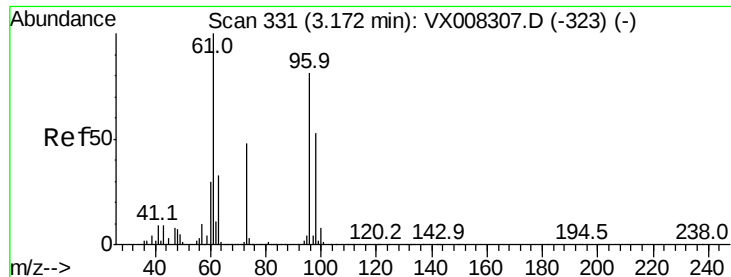
MMDadoda
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#18
Methylene Chloride
Concen: 19.599 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	35952		
49	115.6		96.1	144.1
51	37.6		29.1	43.7
86	65.6		47.3	70.9





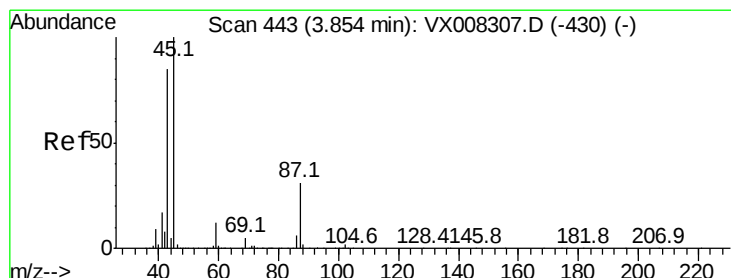
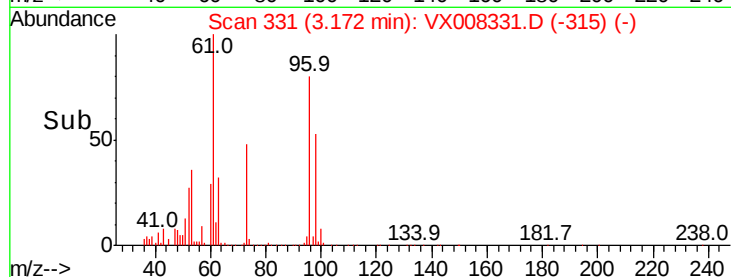
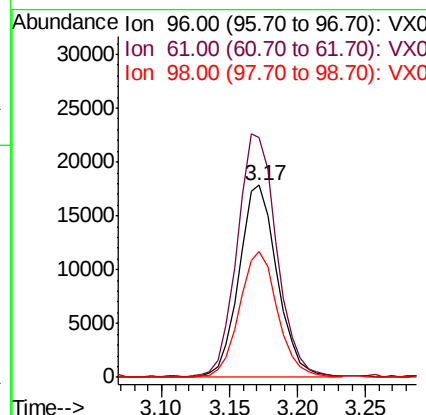
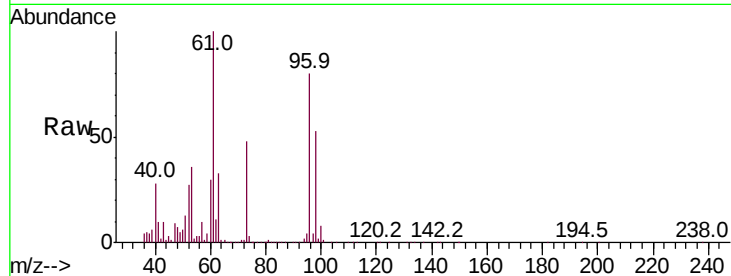
#19
trans-1,2-Dichloroethene
Concen: 19.399 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	109.9	164.9
98	65.8	50.4	75.6

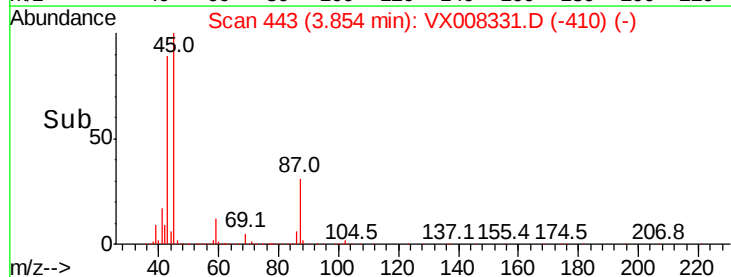
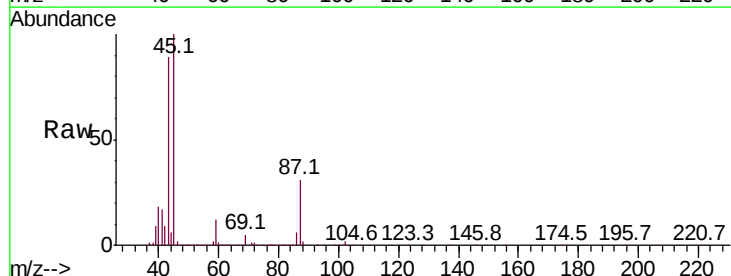
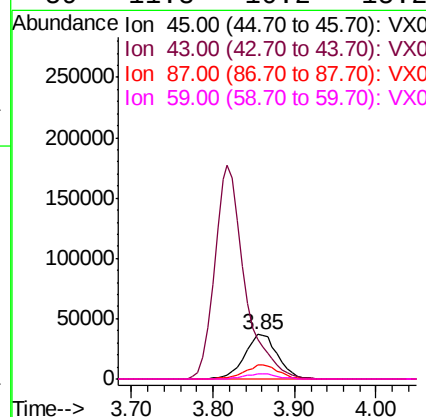
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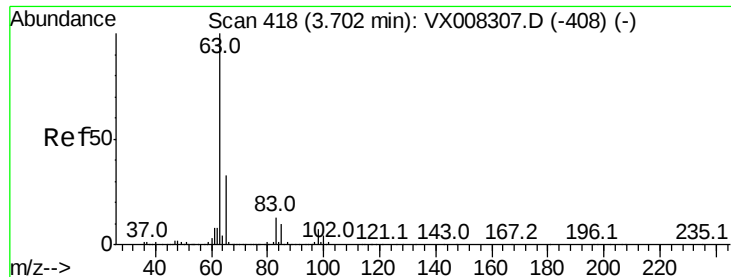
MMDadoda
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#20
Diisopropyl ether
Concen: 19.745 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	88.2	50.6	76.0#
87	31.4	24.5	36.7
59	11.8	10.2	15.2





#21

1,1-Dichloroethane

Concen: 19.409 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

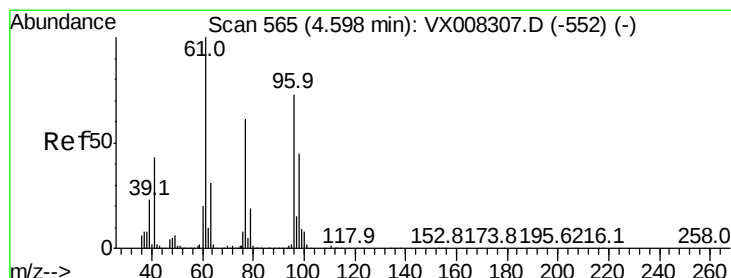
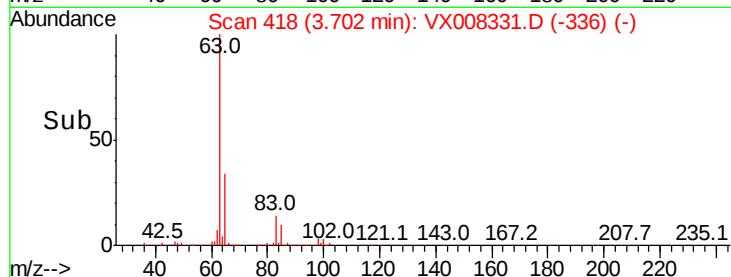
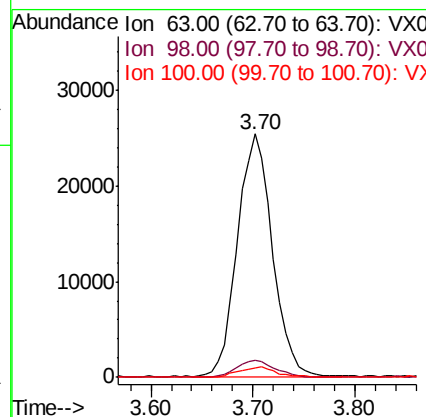
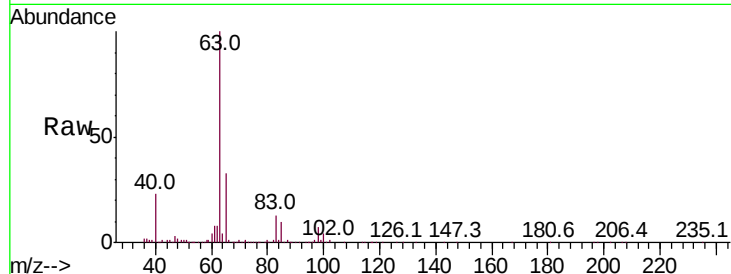
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.9	3.8	11.4
100	3.9	2.4	7.1

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3/23/2019 9:33:37 AM



#22

cis-1,2-Dichloroethene

Concen: 19.595 ug/l

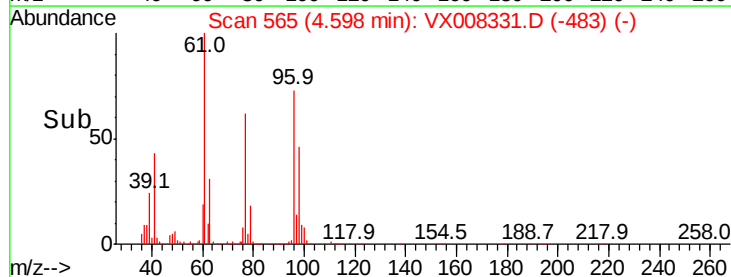
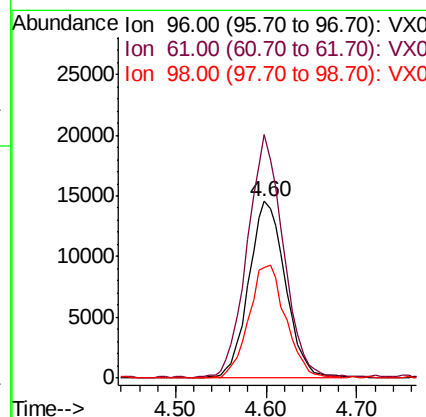
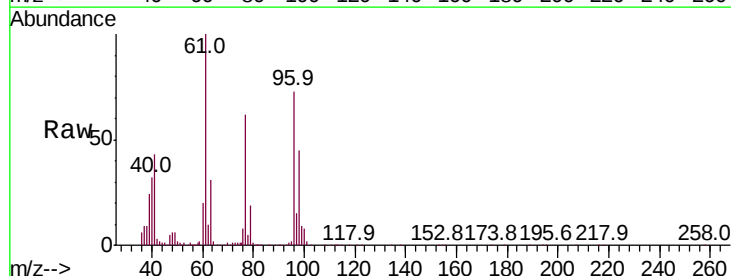
RT: 4.60 min Scan# 565

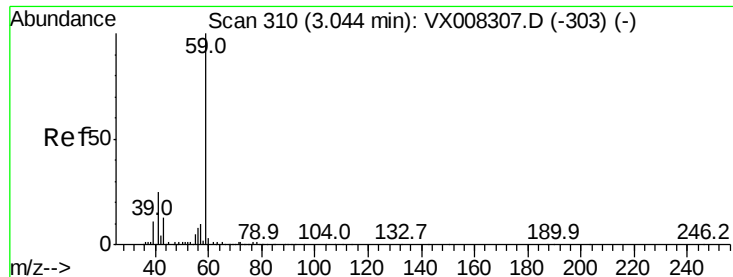
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	135.1	103.5	155.3
98	64.1	52.1	78.1





#23

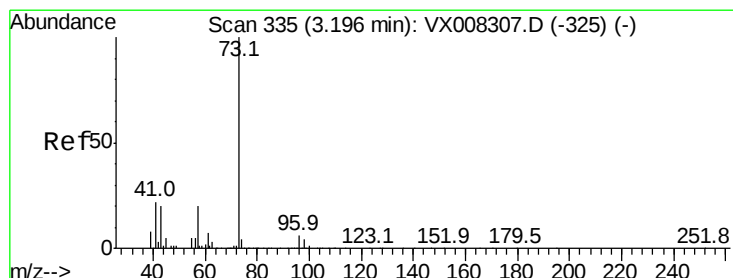
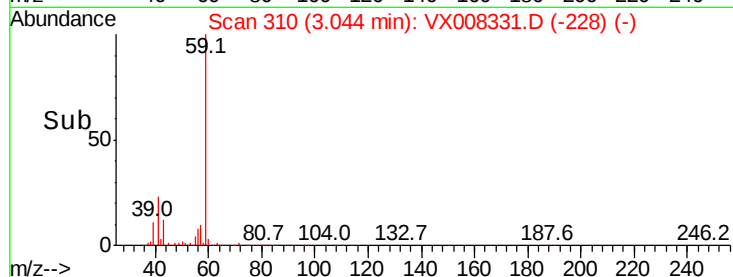
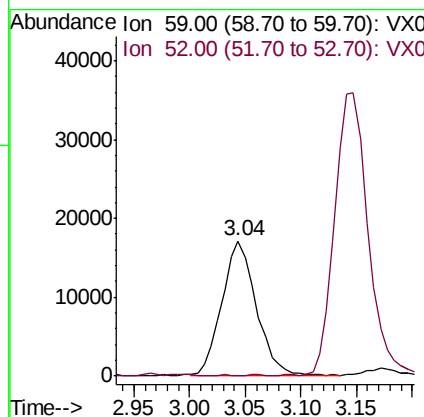
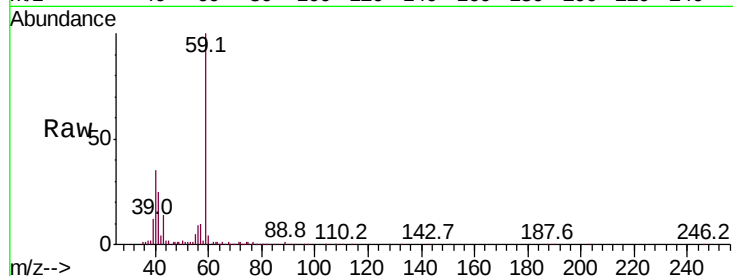
tert-Butyl Alcohol
 Concen: 98.993 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

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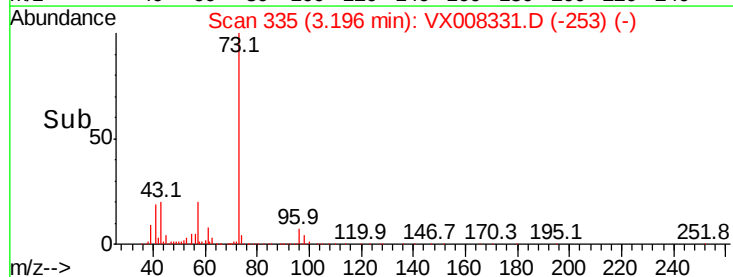
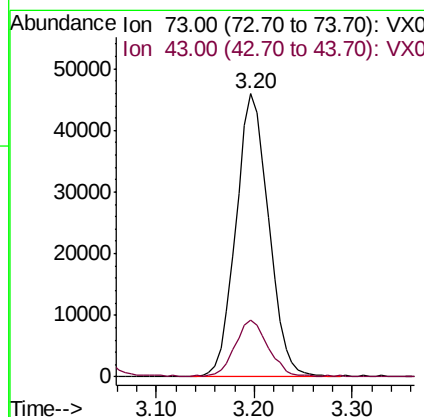
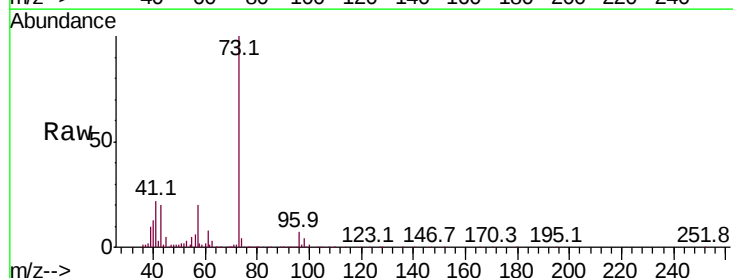
MMDadoda
 3/23/2019 9:33:37 AM

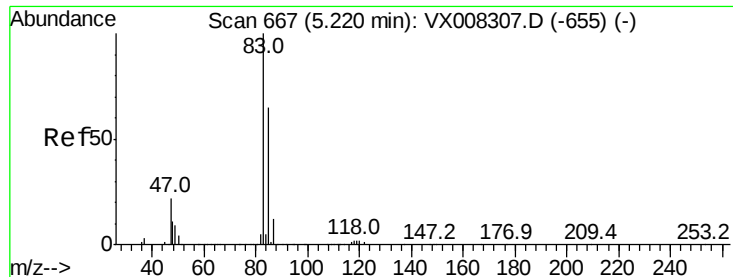


#24

Methyl tert-Butyl Ether
 Concen: 19.505 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	17.1	25.7





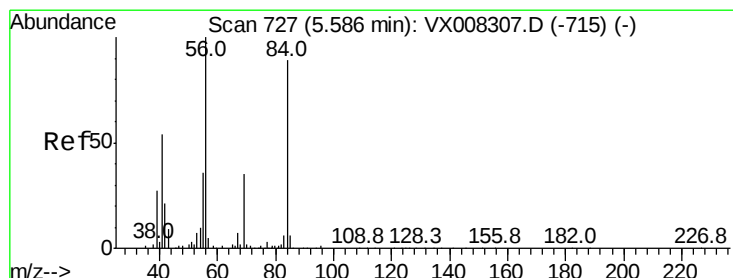
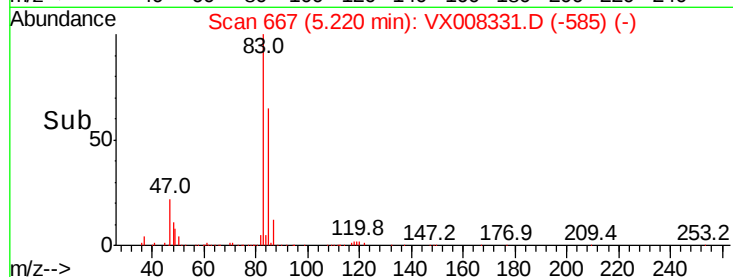
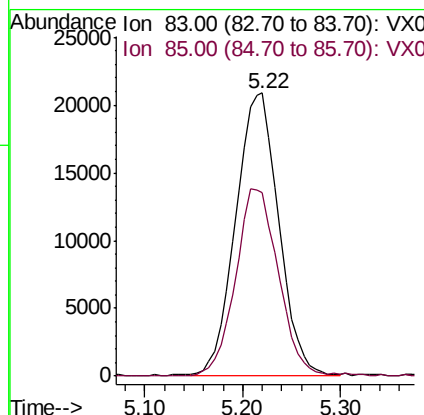
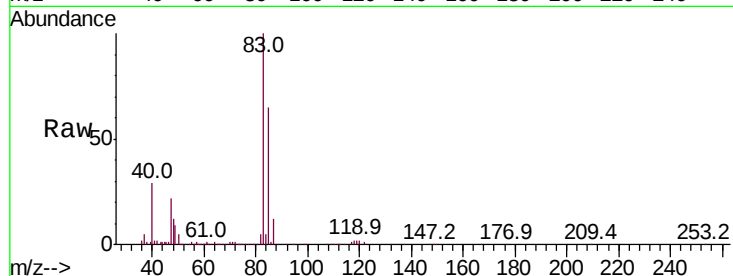
#25
Chloroform
Concen: 19.454 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 83 Resp: 64080
Ion Ratio Lower Upper
83 100
85 64.8 53.8 80.6

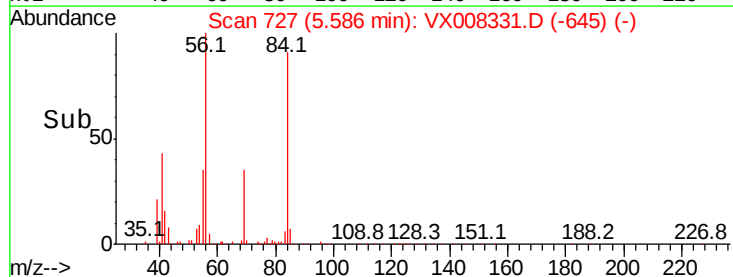
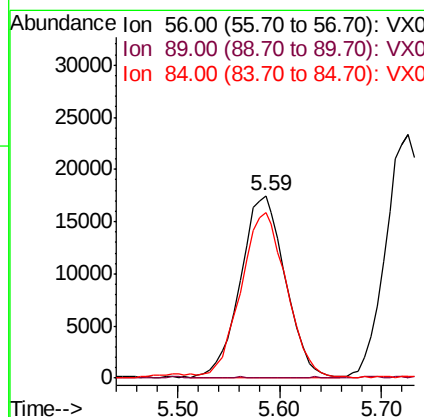
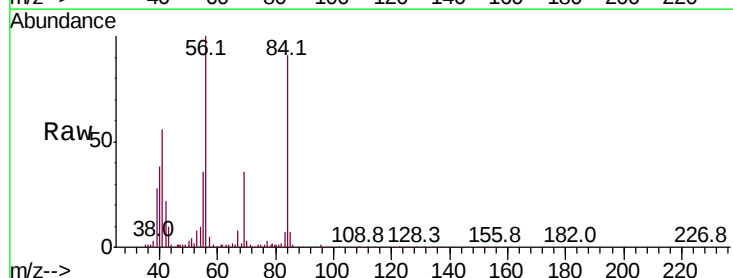
Manual Integrations
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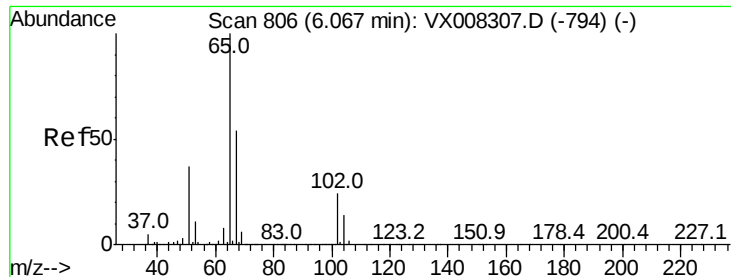
MMDadoda
3/23/2019 9:33:37 AM



#26
Cyclohexane
Concen: 19.304 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion: 56 Resp: 53013
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 92.6 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.006 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 65 Resp: 65027

Ion Ratio Lower Upper

65 100

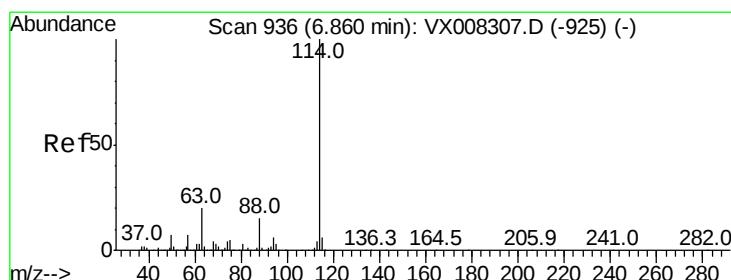
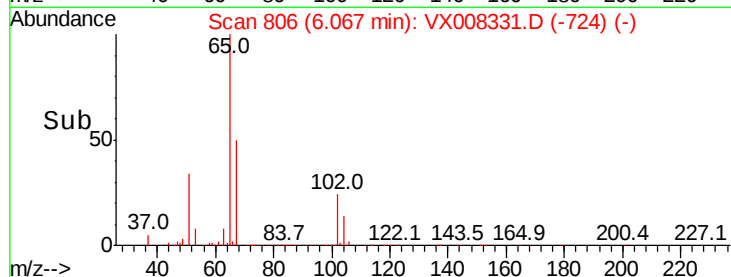
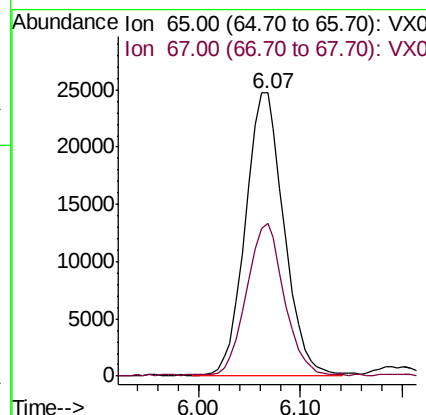
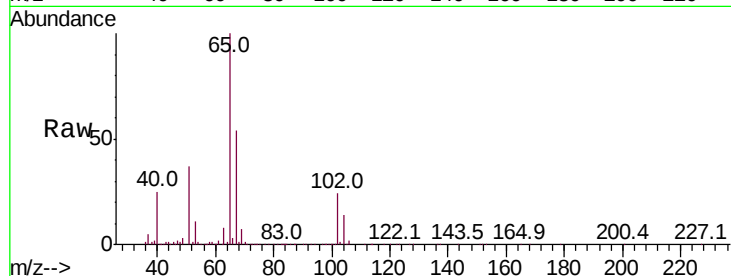
67 53.0 42.9 64.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

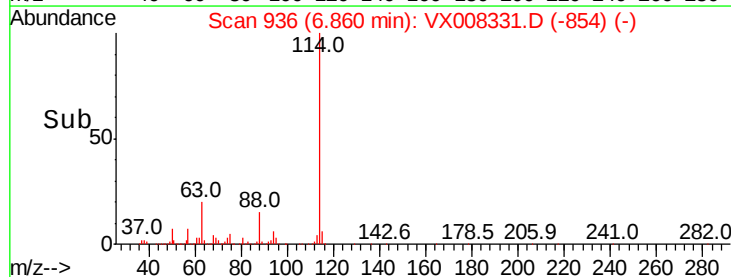
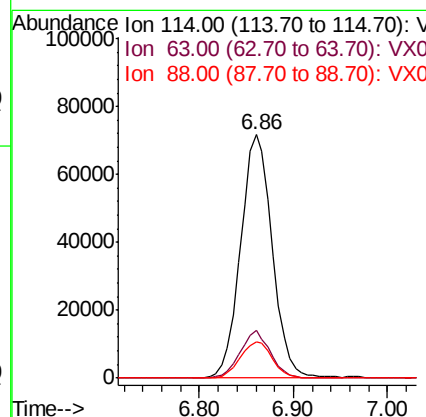
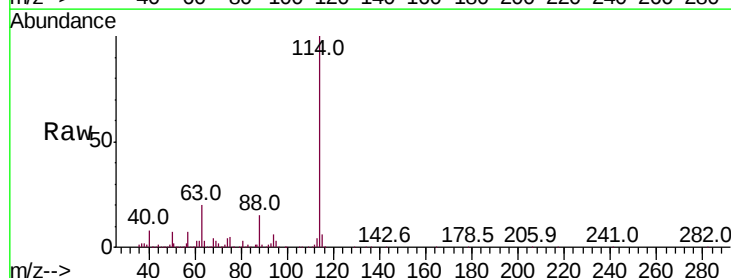
Tgt Ion: 114 Resp: 167406

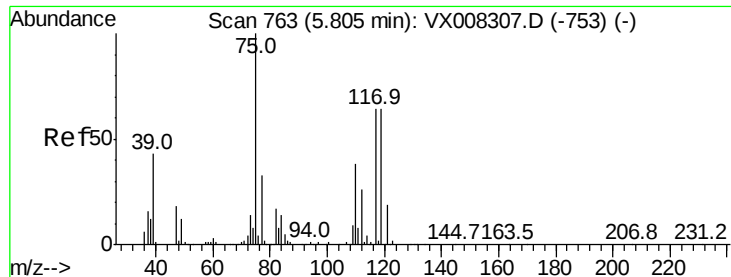
Ion Ratio Lower Upper

114 100

63 18.7 14.2 21.4

88 15.1 11.9 17.9





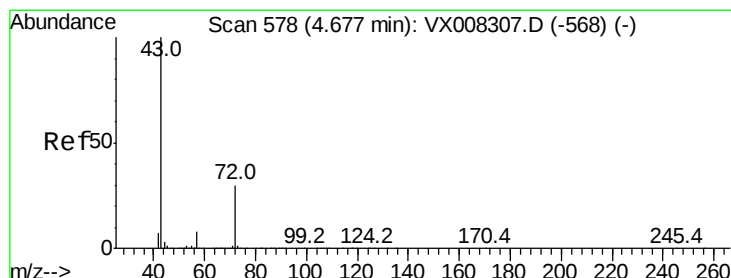
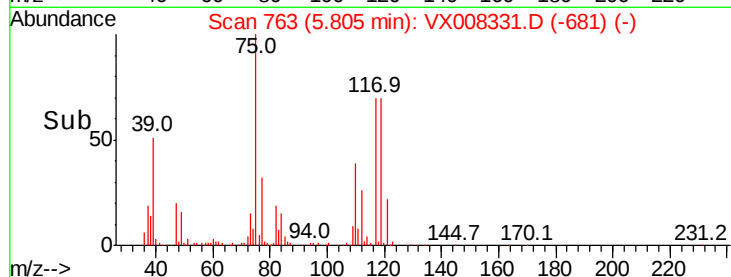
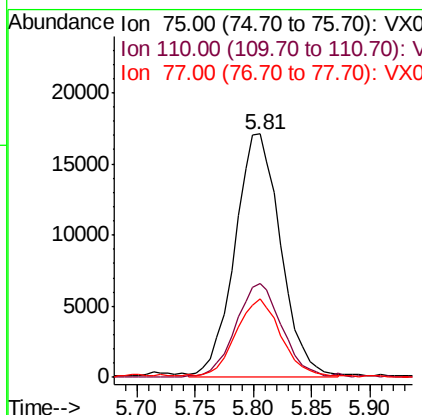
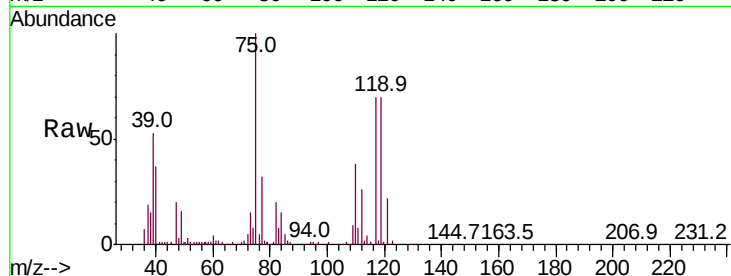
#29
 1,1-Dichloropropene
 Concen: 19.616 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.0	0.0	80.8
77	31.6	0.0	62.4

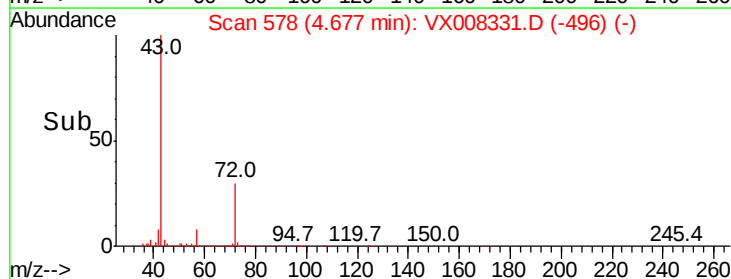
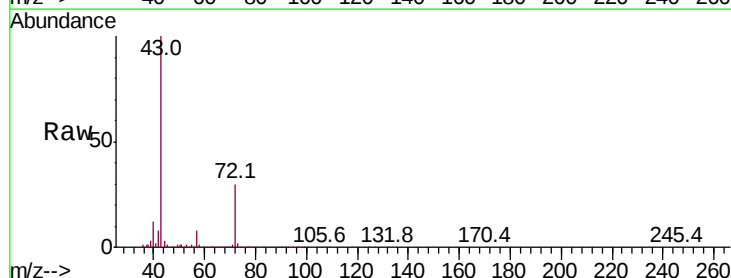
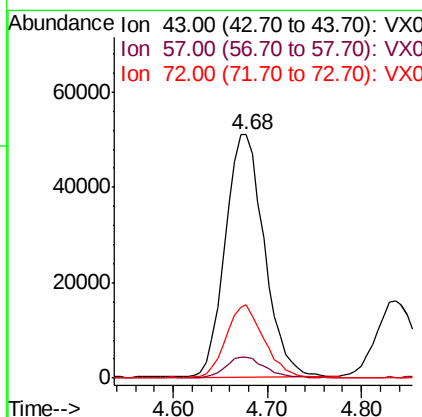
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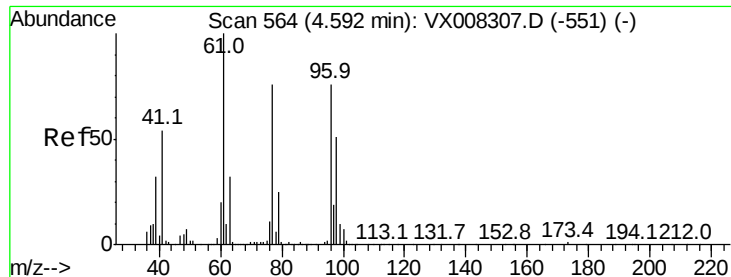
MMDadoda
 3/23/2019 9:33:37 AM



#30
 2-Butanone
 Concen: 106.920 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	7.0	10.6
72	28.7	21.5	32.3





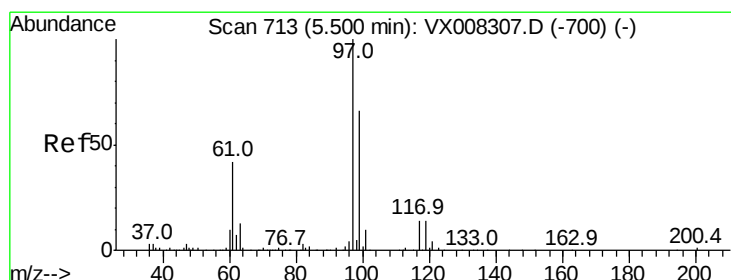
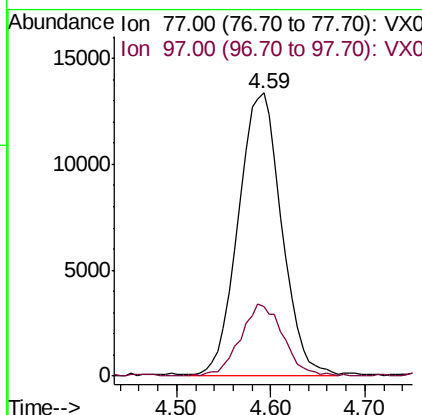
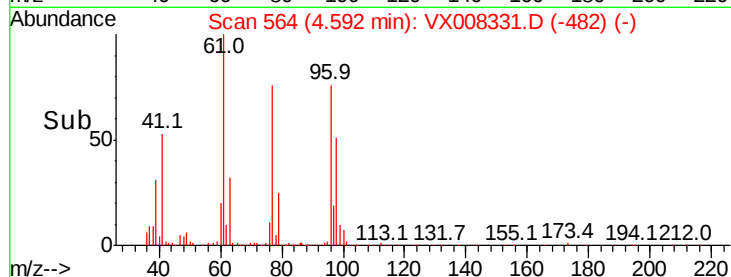
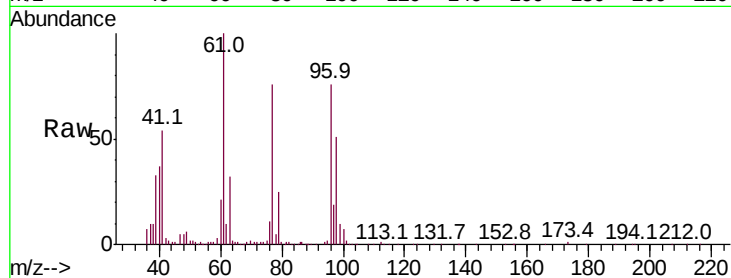
#31
 2,2-Dichloropropane
 Concen: 19.170 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 42913
 Ion Ratio Lower Upper
 77 100
 97 24.9 20.6 31.0

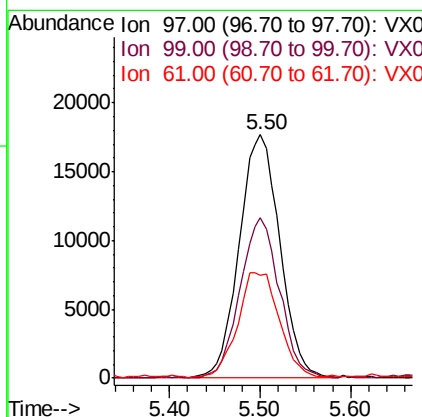
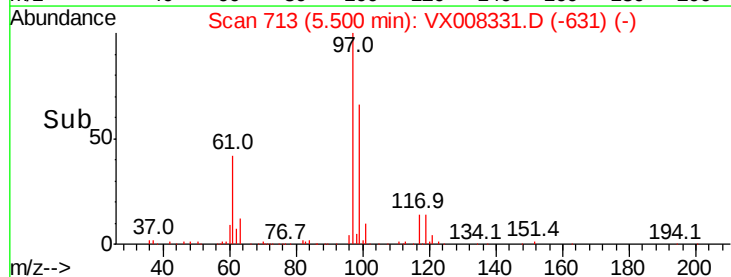
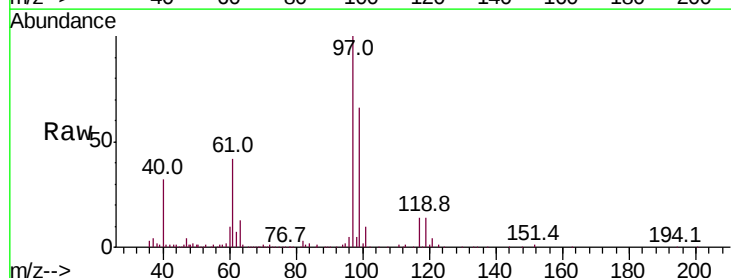
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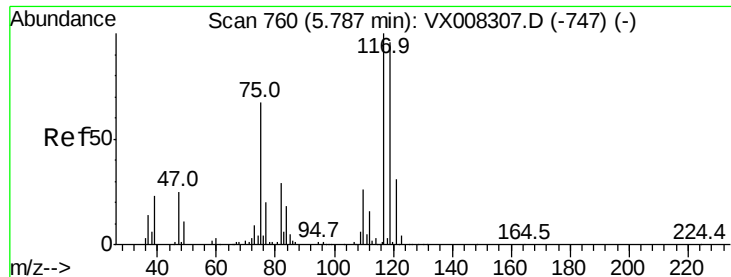
MMDadoda
 3/23/2019 9:33:37 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.616 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion: 97 Resp: 54878
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.7 77.5
 61 25.9 32.8 49.2#





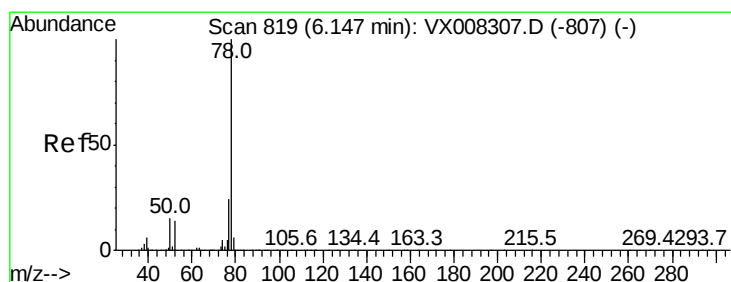
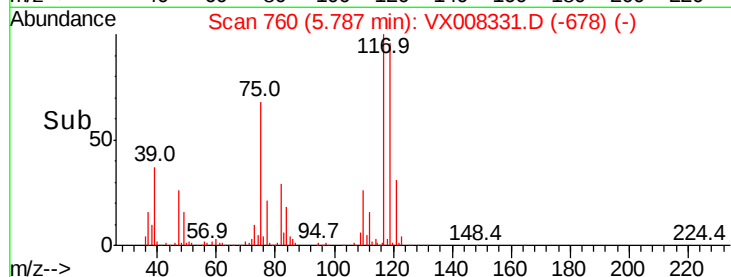
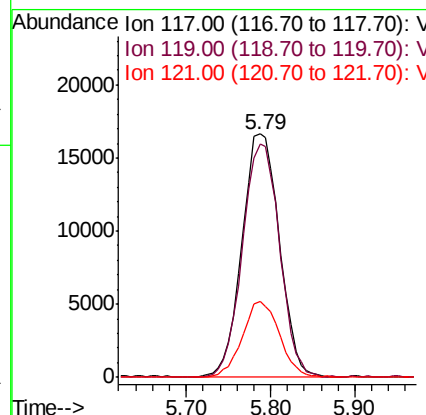
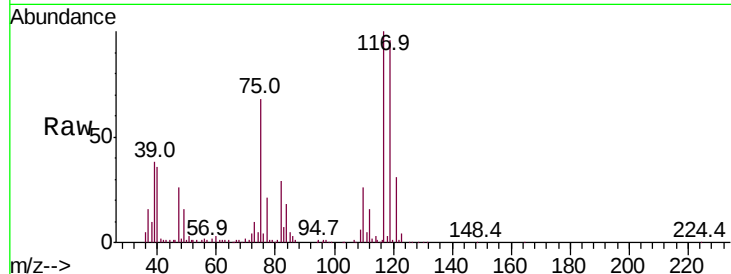
#33
Carbon Tetrachloride
Concen: 19.520 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.1	117.1
121	30.9	27.0	40.6

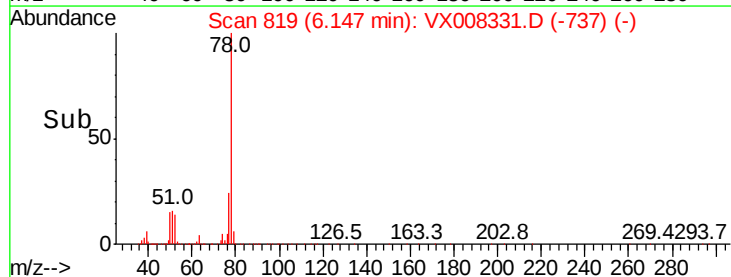
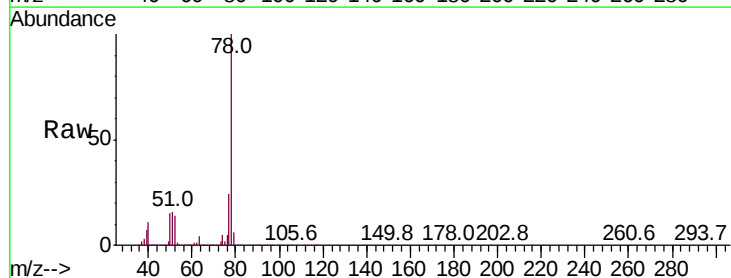
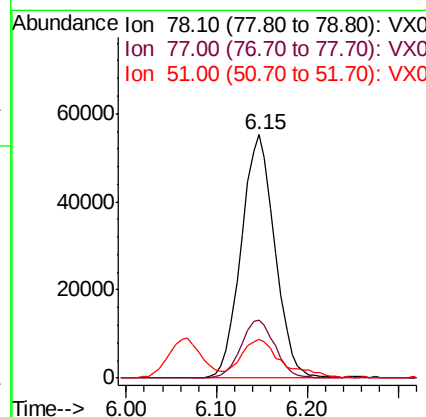
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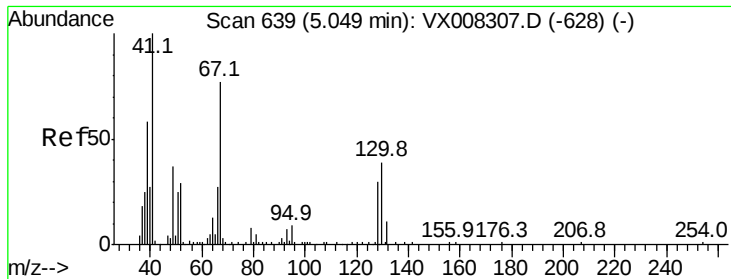
MMDadoda
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#34
Benzene
Concen: 19.936 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
51	15.3	10.8	16.2





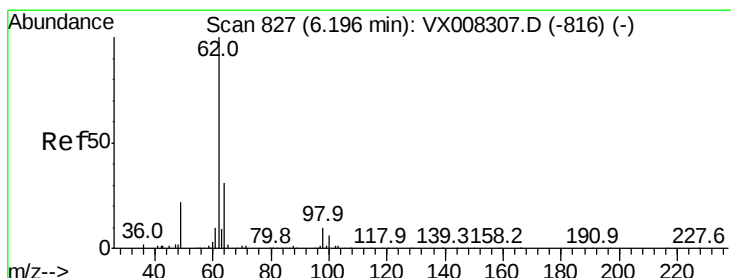
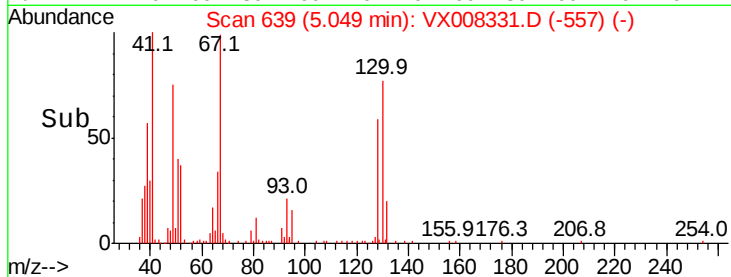
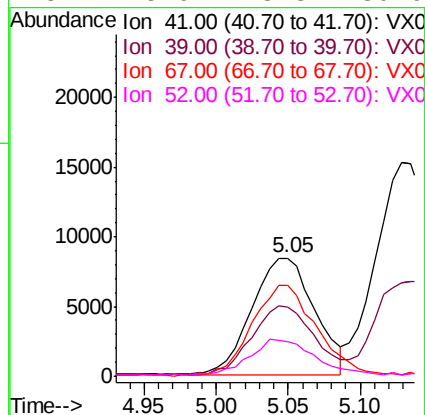
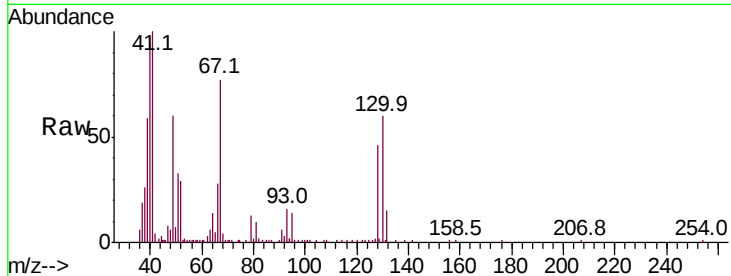
#35
Methacrylonitrile
Concen: 19.795 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	25252
Ion	Ratio	Lower	Upper
41	100		
39	58.6	27.4	82.0
67	78.2	37.9	113.6
52	28.9	13.3	39.9

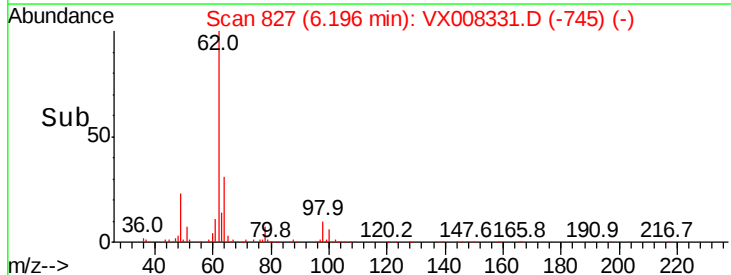
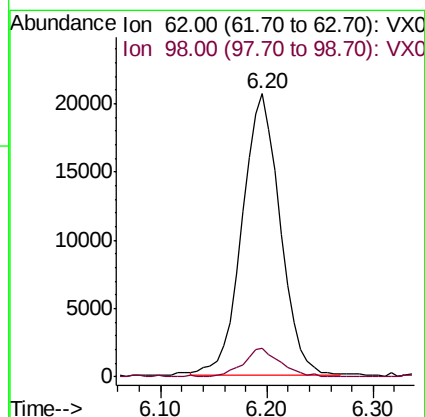
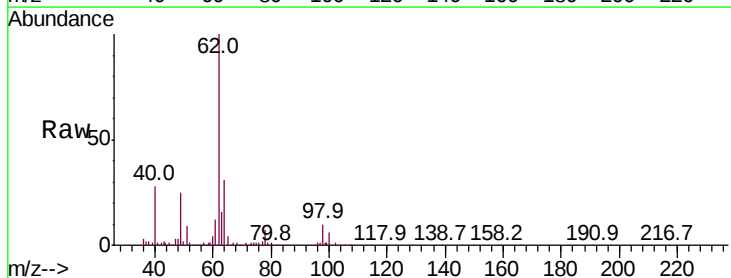
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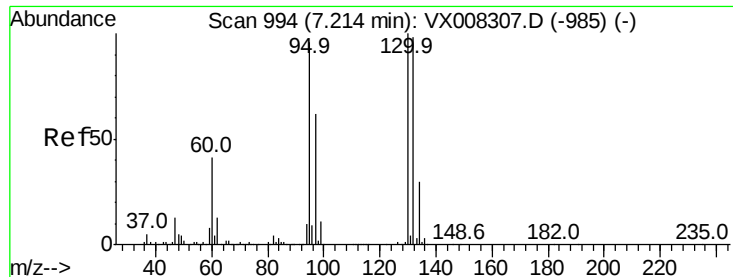
MMDadoda
3/23/2019 9:33:37 AM



#36
1,2-Dichloroethane
Concen: 19.883 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion:	62	Resp:	51906
Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.8	11.8





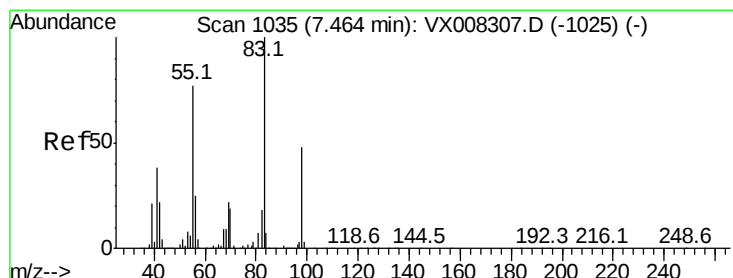
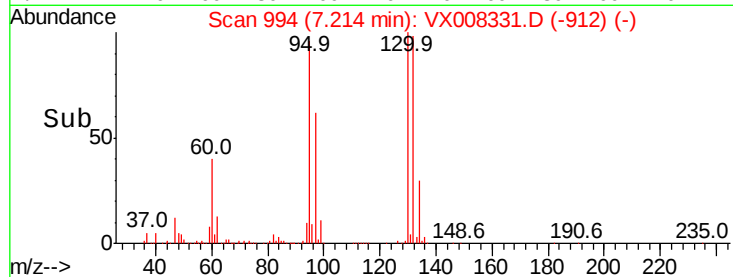
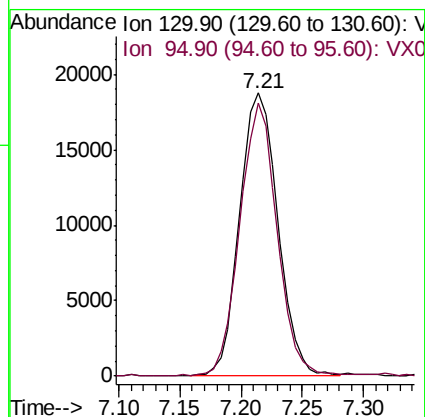
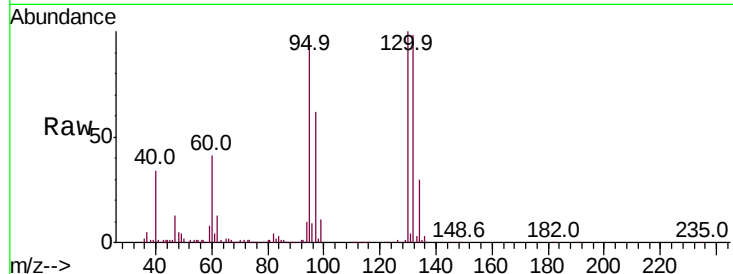
#37
 Trichloroethene
 Concen: 19.661 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 40941
 Ion Ratio Lower Upper
 130 100
 95 96.2 71.3 106.9

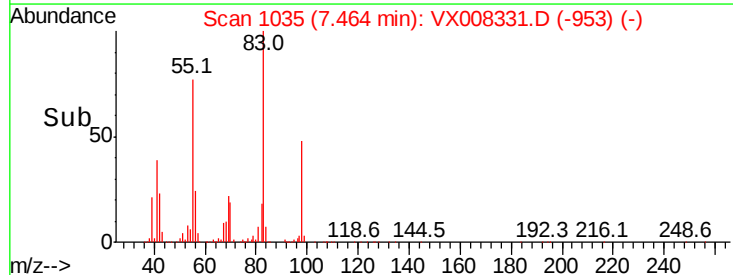
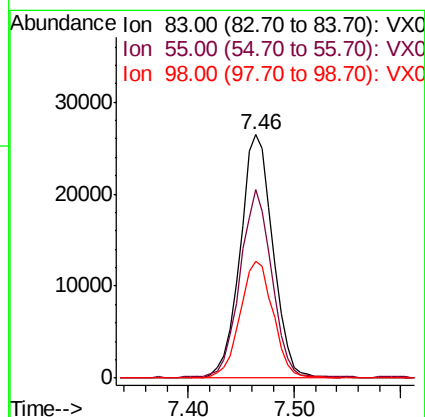
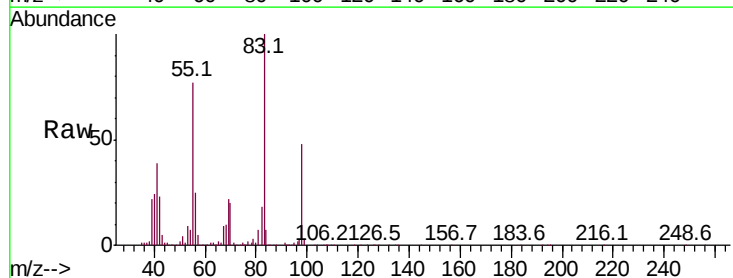
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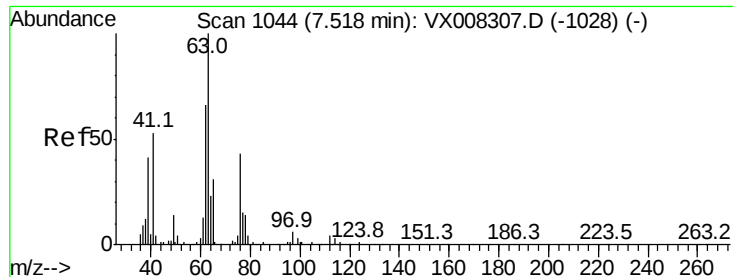
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.235 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion: 83 Resp: 57320
 Ion Ratio Lower Upper
 83 100
 55 74.5 36.0 108.0
 98 48.8 23.8 71.4





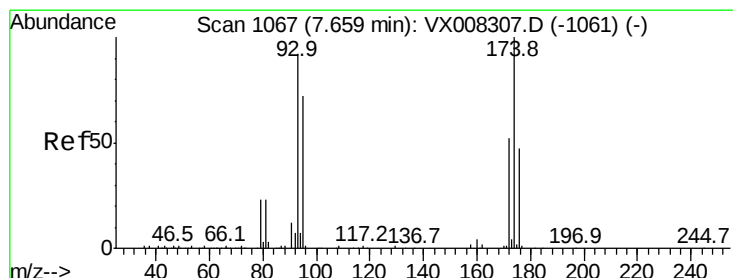
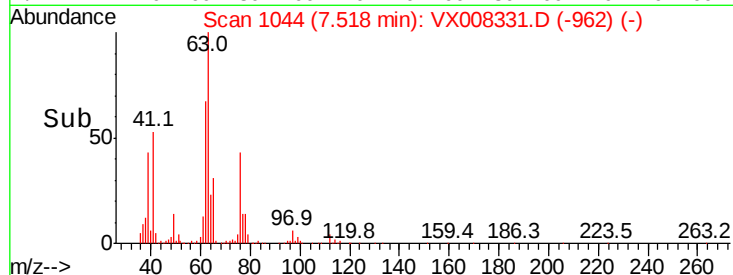
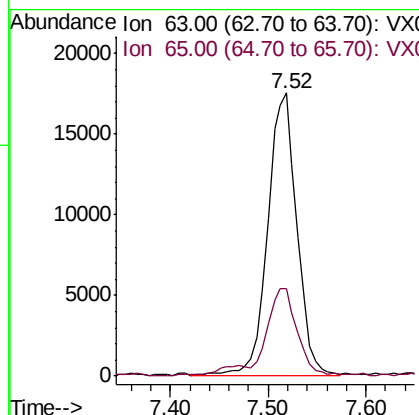
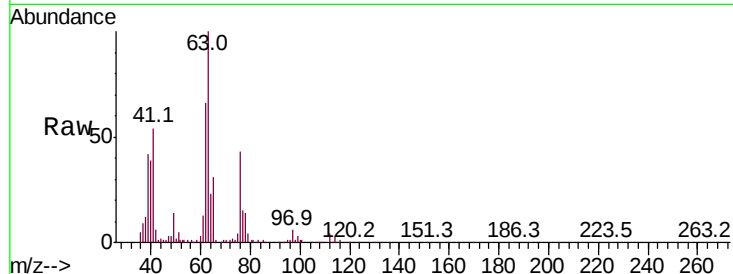
#39
 1,2-Dichloropropane
 Concen: 20.419 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	37.0

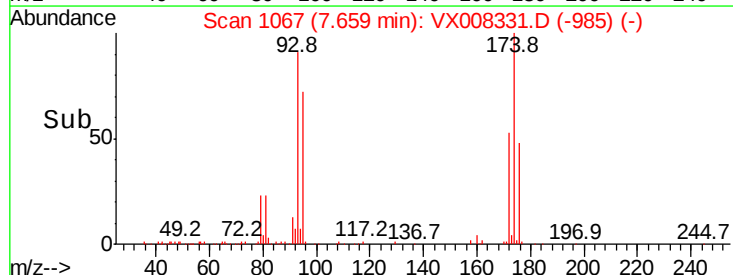
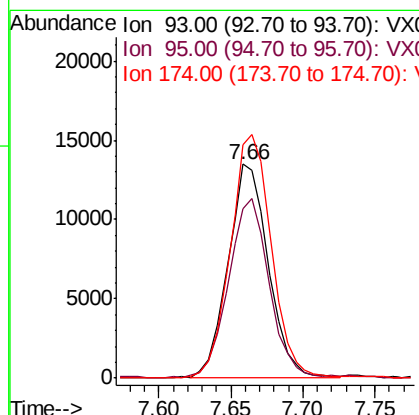
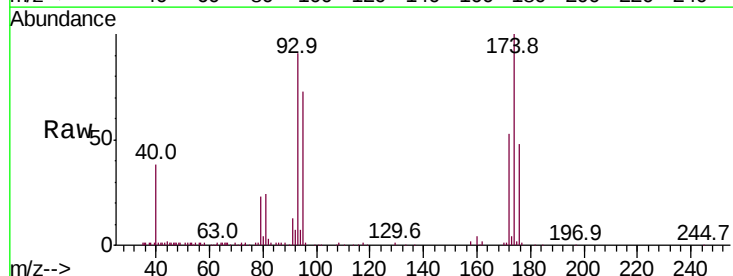
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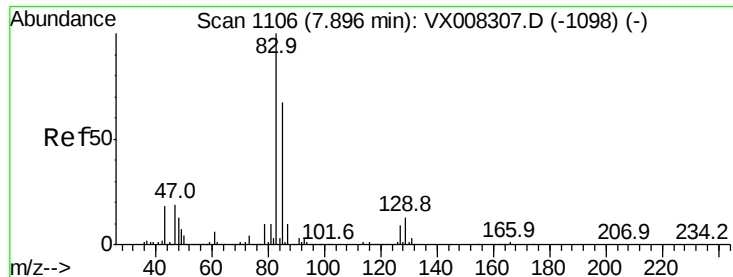
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#40
 Dibromomethane
 Concen: 19.963 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	158.8
174	115.2	0.0	224.2





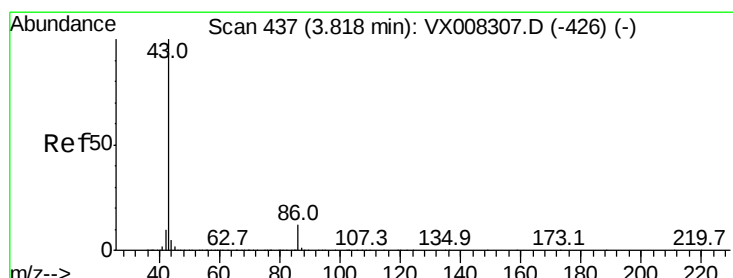
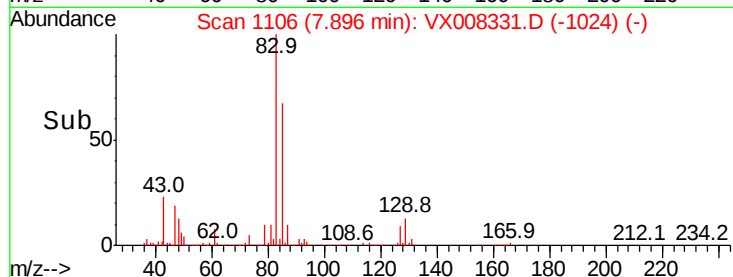
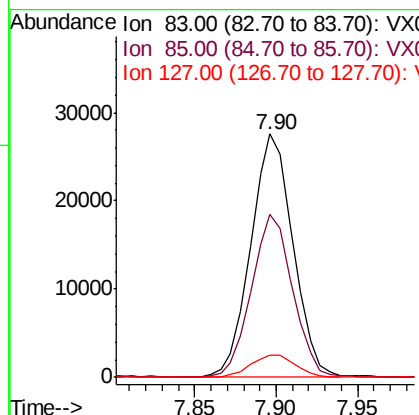
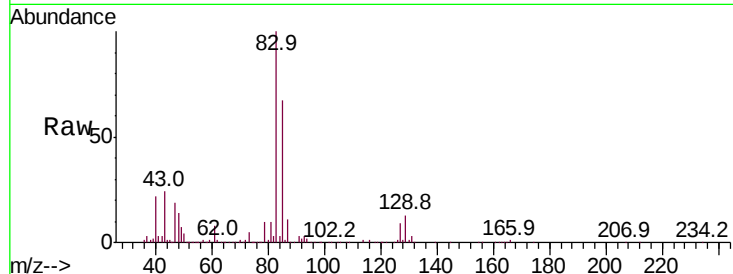
#41
Bromodichloromethane
Concen: 19.685 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.1	76.7
127	9.3	7.2	10.8

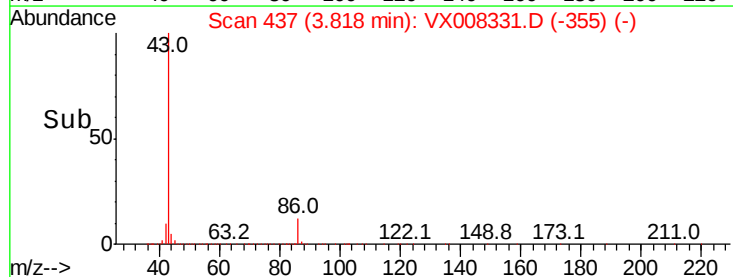
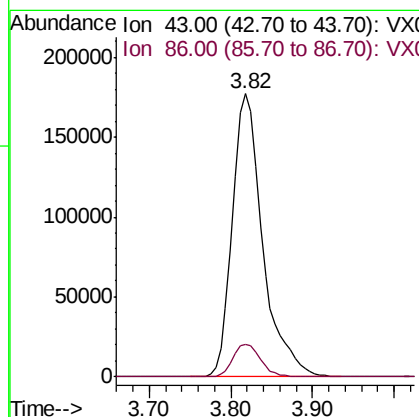
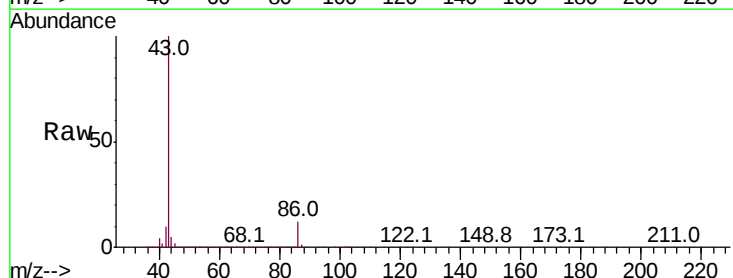
Manual Integrations
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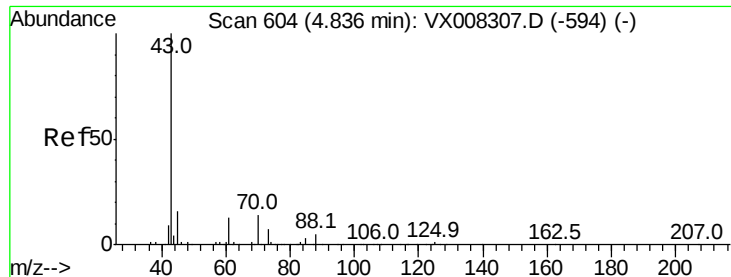
MMDadoda
3/23/2019 9:33:37 AM



#42
Vinyl Acetate
Concen: 98.593 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2





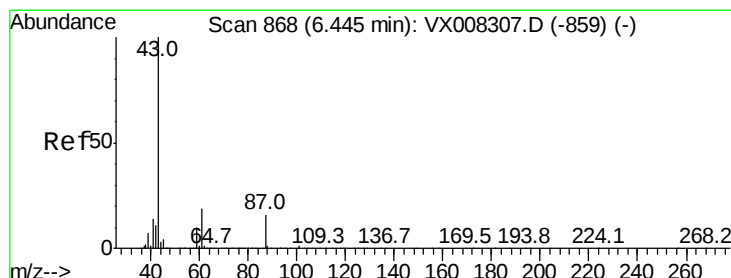
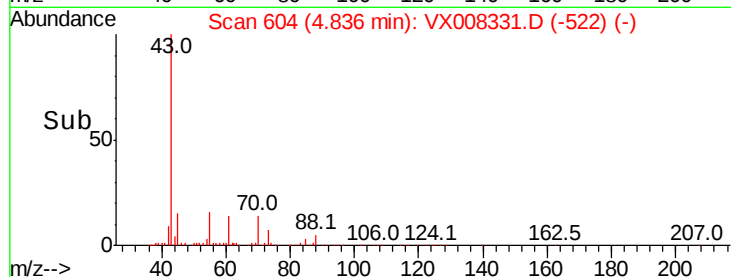
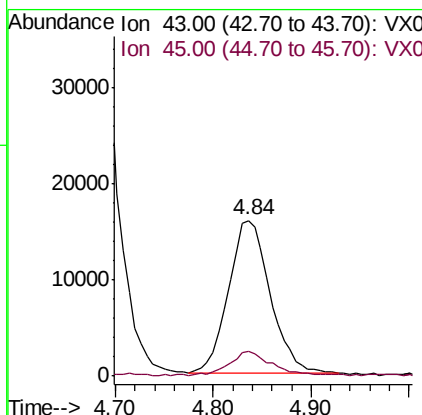
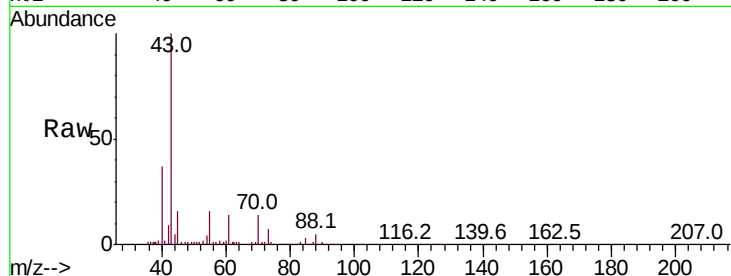
#43
Ethyl Acetate
Concen: 19.531 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
43	100				
45	14.8		6.9	10.3	

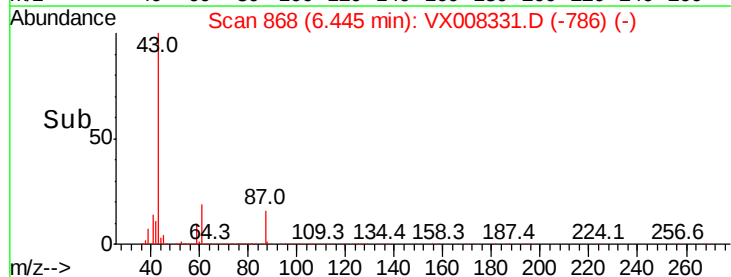
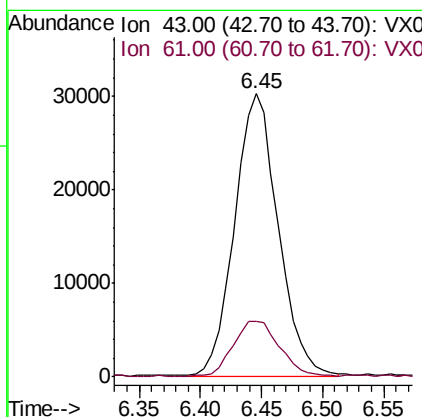
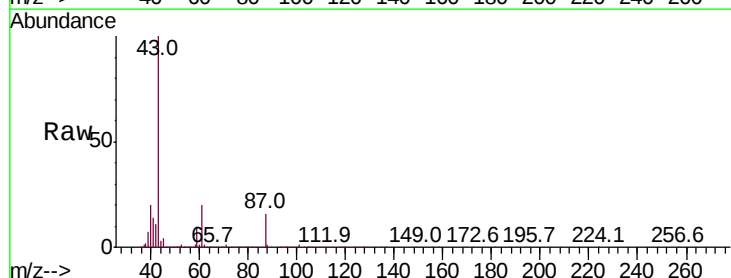
Manual Integrations
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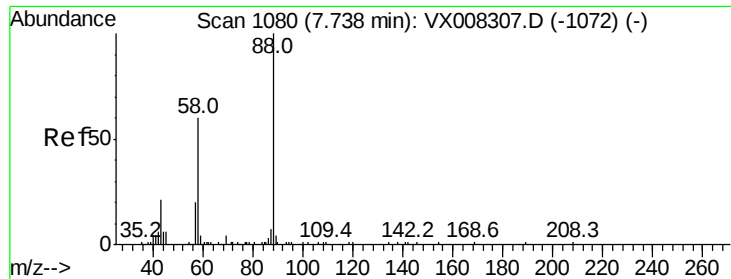
MMDadoda
3/23/2019 9:33:37 AM



#44
Isopropyl Acetate
Concen: 19.564 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	43	61	Ratio	Lower	Upper
43	100				
61	21.3		16.1	24.1	





#45

1,4-Dioxane

Concen: 411.284 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

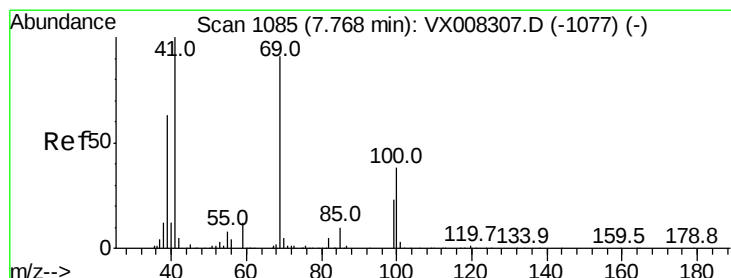
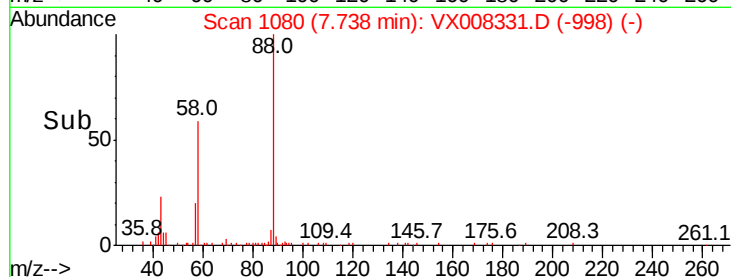
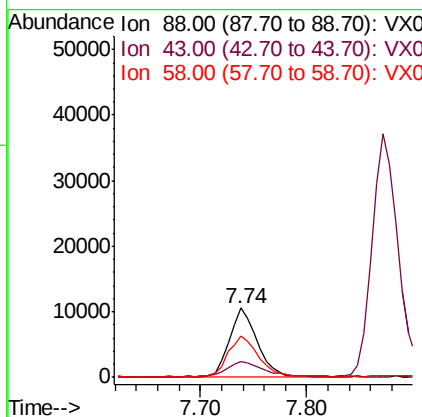
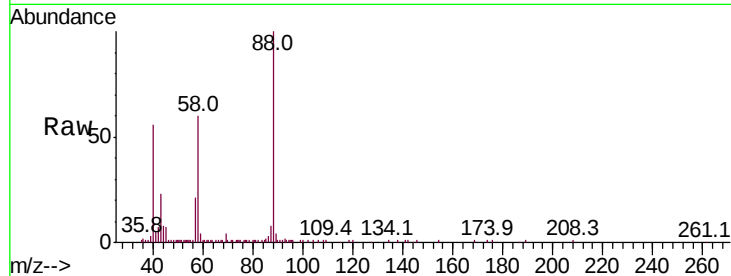
ClientSampleId :

VSTDICCC020

Tot Ion:	88	Resp:	19680
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.6	35.4
58	64.1	51.6	77.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 19.557 ug/l

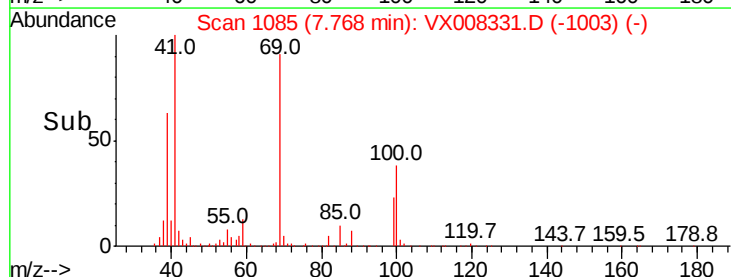
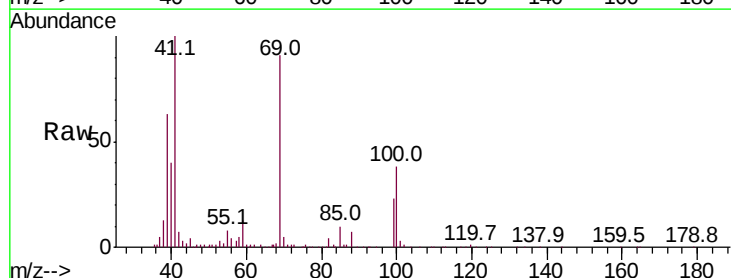
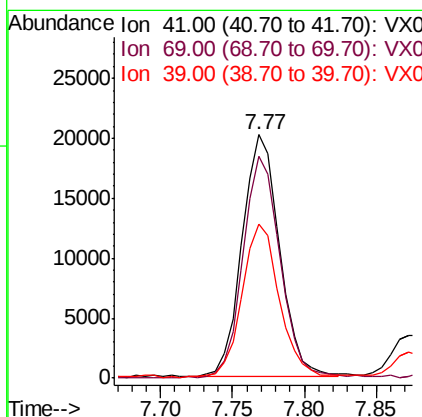
RT: 7.77 min Scan# 1085

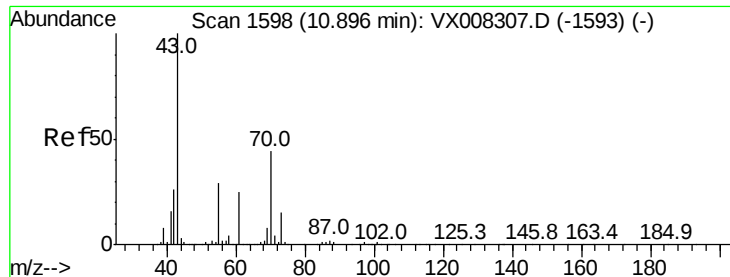
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	41	Resp:	36507
Ion	Ratio	Lower	Upper
41	100		
69	91.0	44.2	132.6
39	63.1	29.9	89.8





#47

n-amvl Acetate

Concen: 18.794 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 61301

Ion Ratio Lower Upper

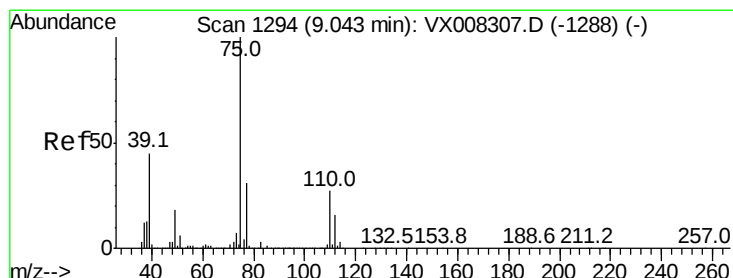
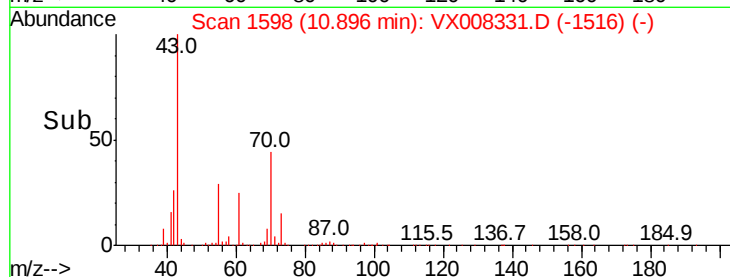
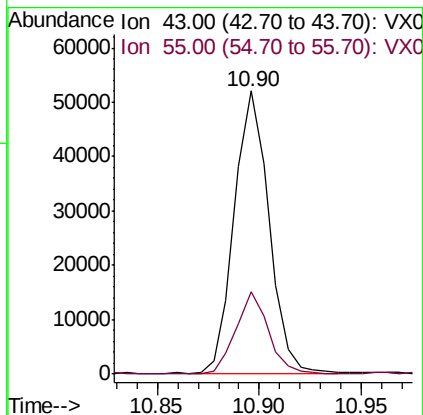
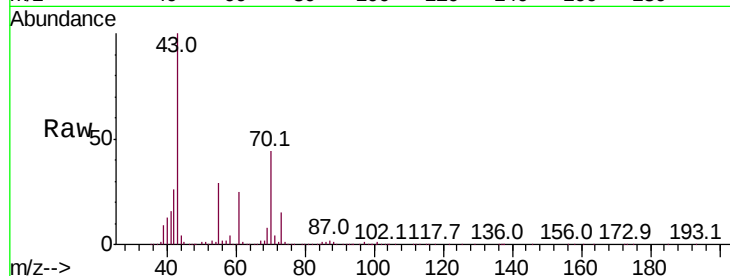
43 100

55 28.0 20.8 31.2

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3/23/2019 9:33:37 AM



#48

t-1,3-Dichloropropene

Concen: 18.708 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008331.D

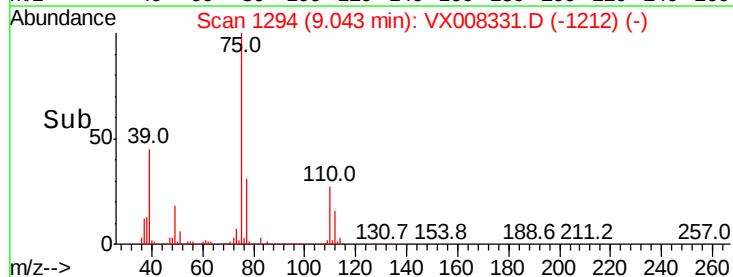
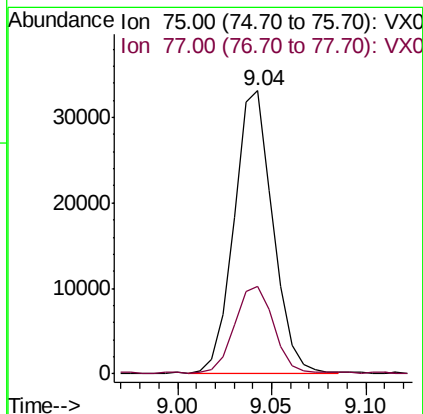
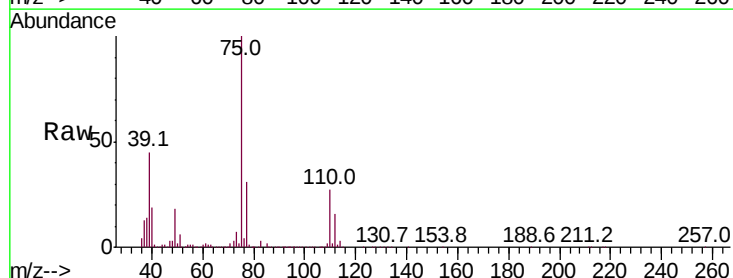
Acq: 22 Mar 2019 11:23

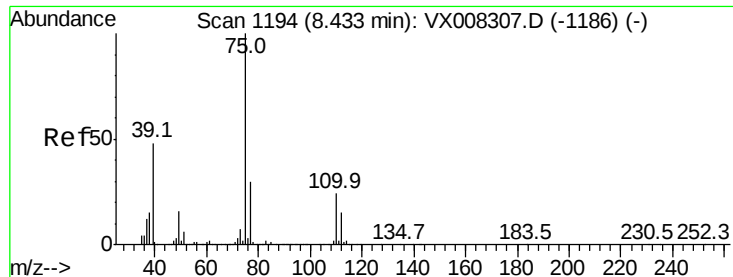
Tgt Ion: 75 Resp: 46979

Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 19.141 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

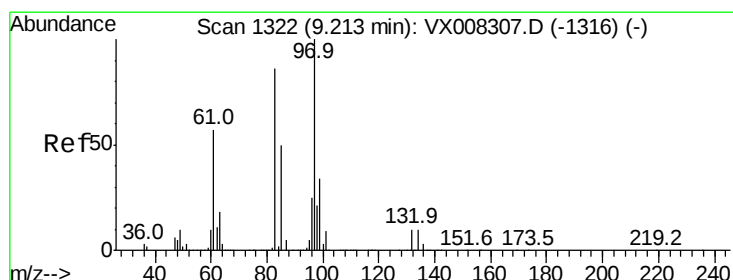
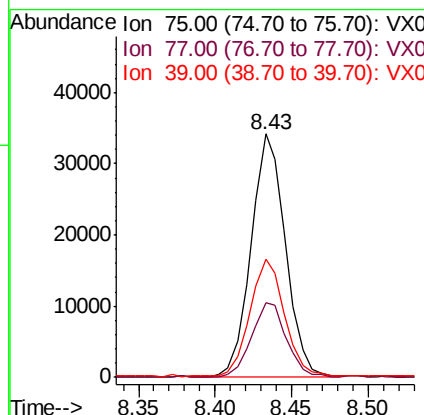
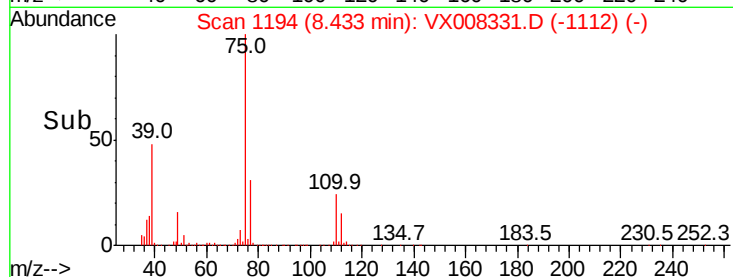
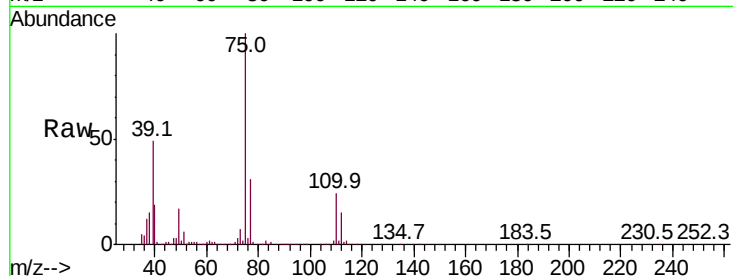
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	53634
Ion Ratio	Lower	Upper	
75	100		
77	30.4	25.0	37.4
39	48.3	38.5	57.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.589 ug/l

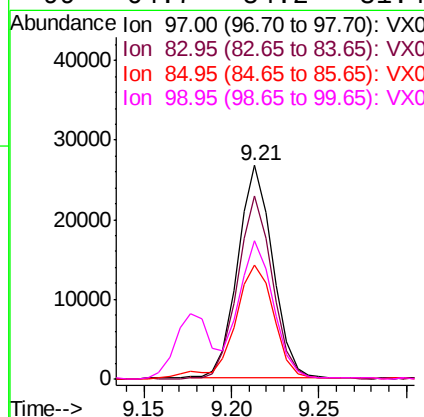
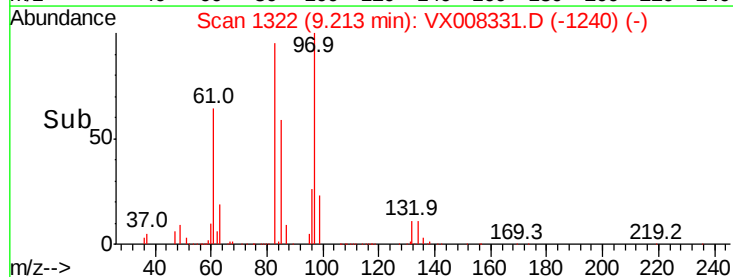
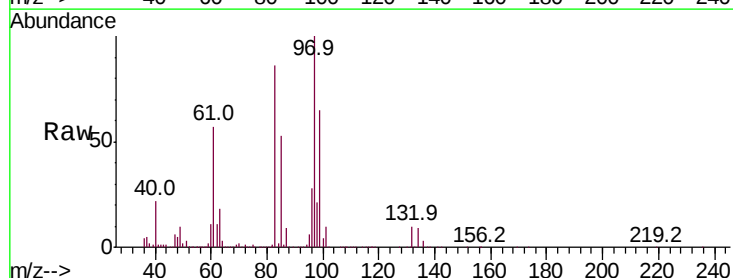
RT: 9.21 min Scan# 1322

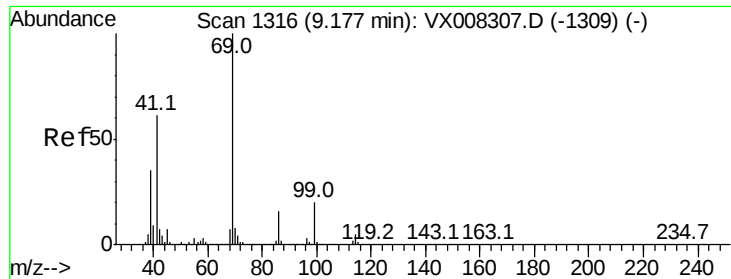
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	97	Resp:	37196
Ion Ratio	Lower	Upper	
97	100		
83	85.6	72.0	108.0
85	53.3	45.0	67.6
99	64.7	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.798 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

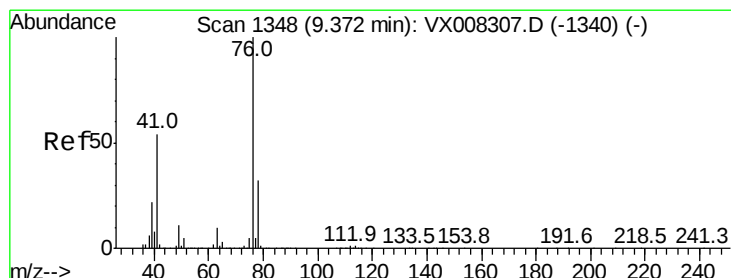
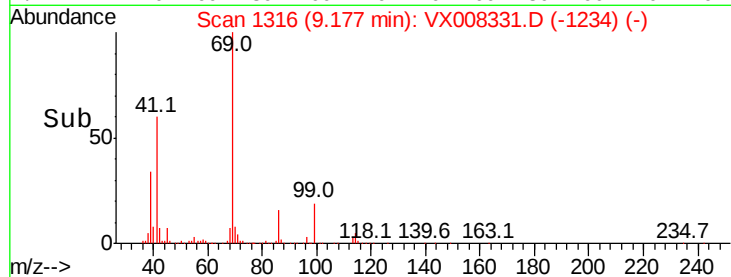
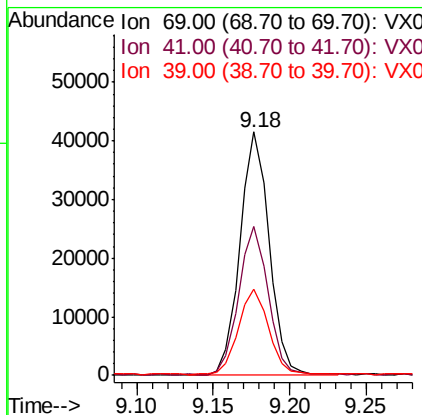
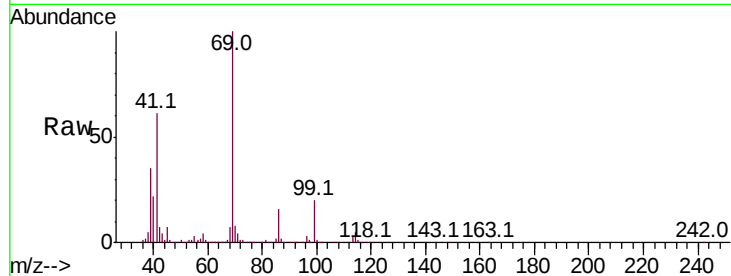
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	54885
Ion	Ratio	Lower	Upper
69	100		
41	60.9	32.1	96.5
39	35.5	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 20.031 ug/l

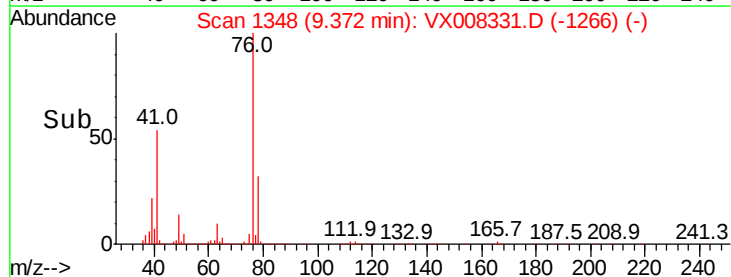
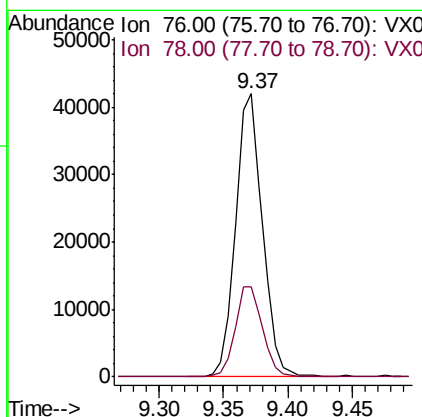
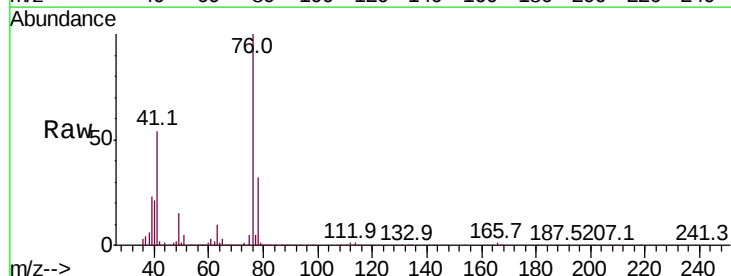
RT: 9.37 min Scan# 1348

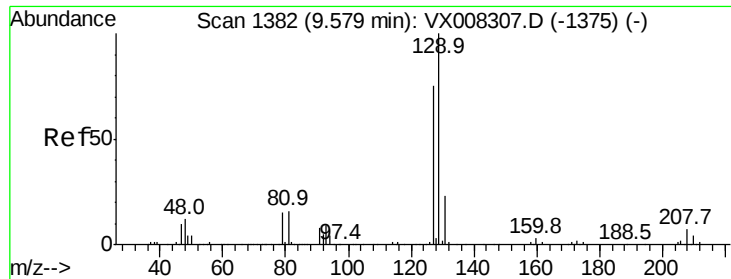
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	76	Resp:	61002
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.2





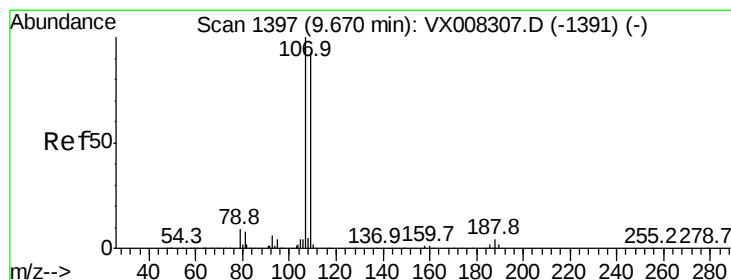
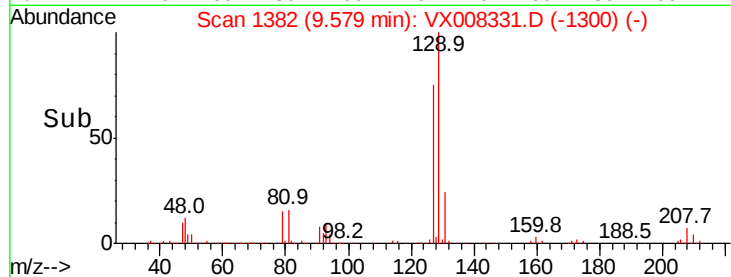
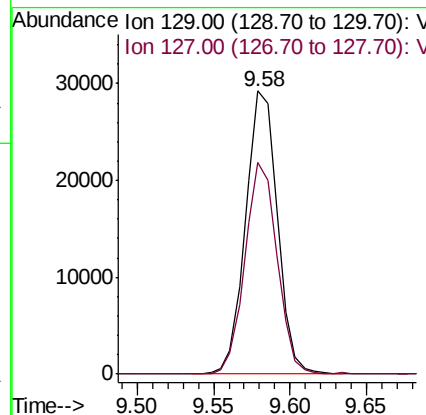
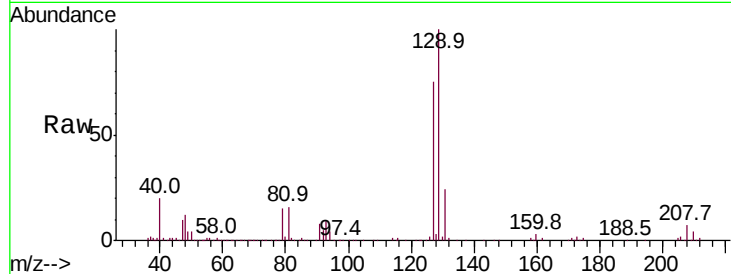
#53
Dibromochloromethane
Concen: 19.752 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 42279
Ion Ratio Lower Upper
129 100
127 75.4 38.4 115.2

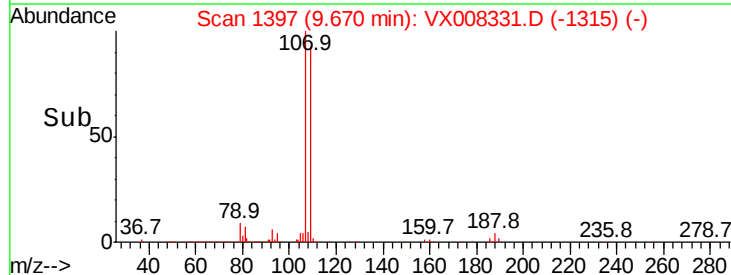
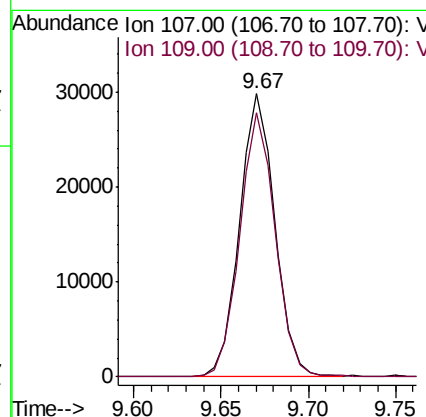
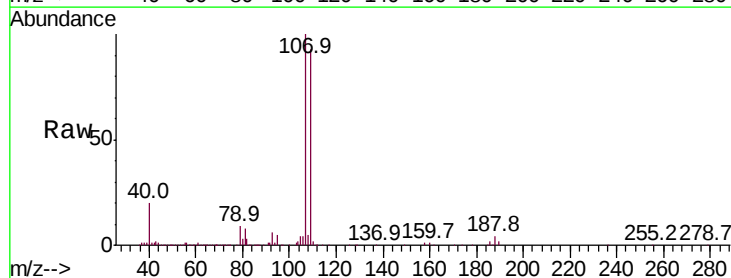
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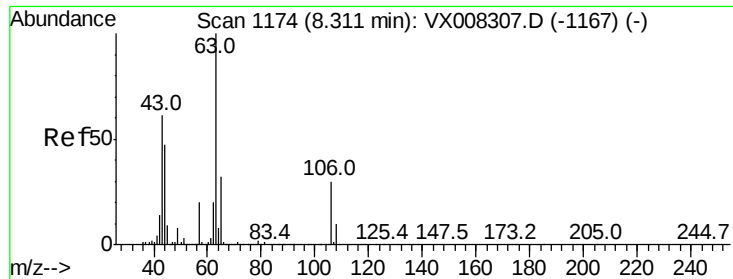
MMDadoda
3/23/2019 9:33:37 AM



#54
1,2-Dibromoethane
Concen: 20.045 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion:107 Resp: 41761
Ion Ratio Lower Upper
107 100
109 93.9 76.6 115.0





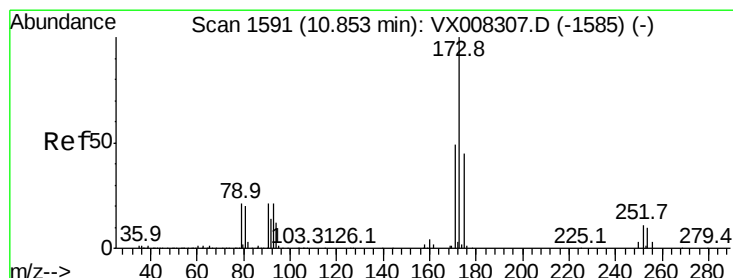
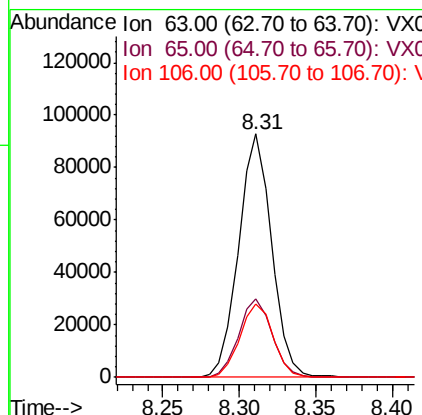
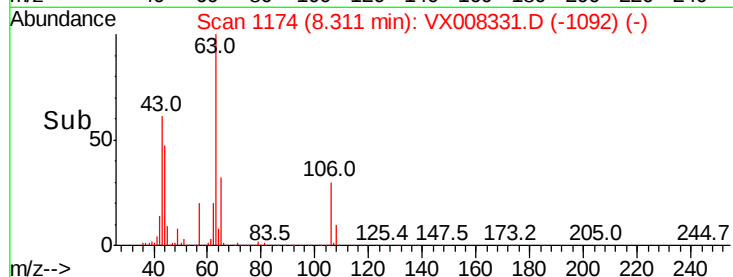
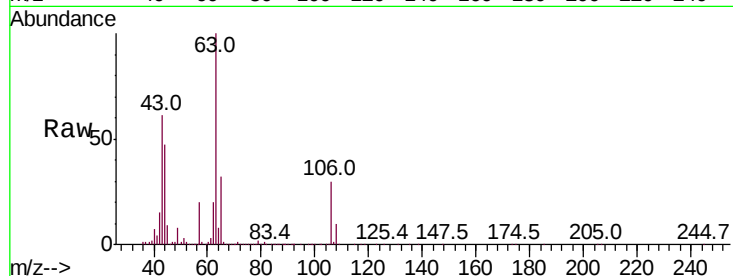
#55
 2-Chloroethyl vinyl ether
 Concen: 99.475 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.7	38.5
106	30.8	23.7	35.5

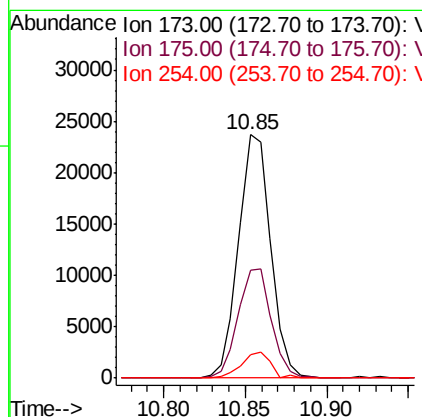
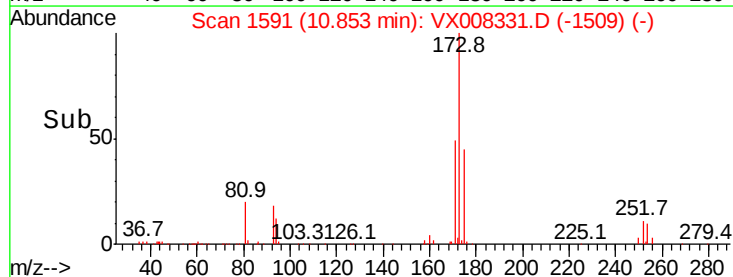
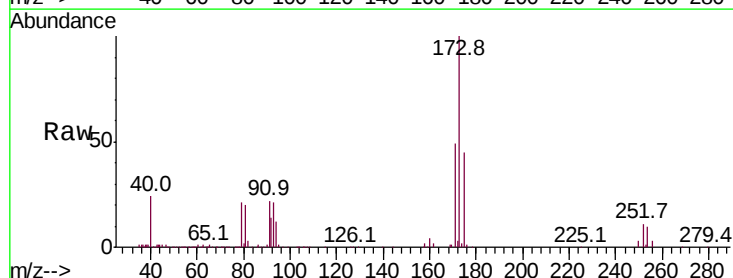
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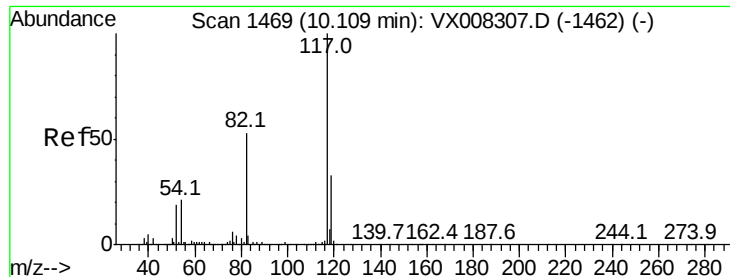
MMDadoda
 3/23/2019 9:33:37 AM



#56
 Bromoform
 Concen: 19.299 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	38.5	57.7
254	9.3	7.4	11.2





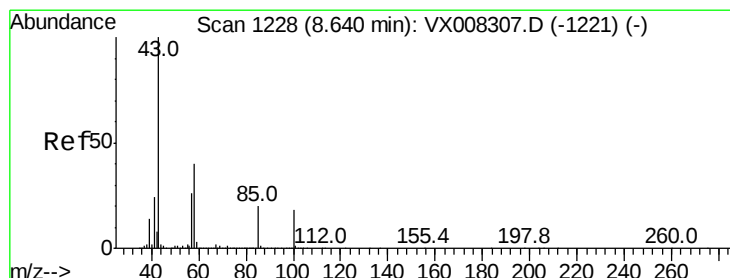
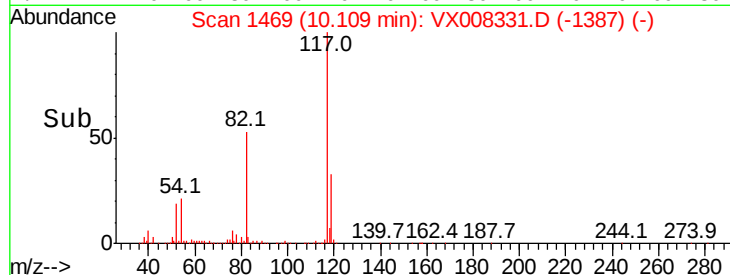
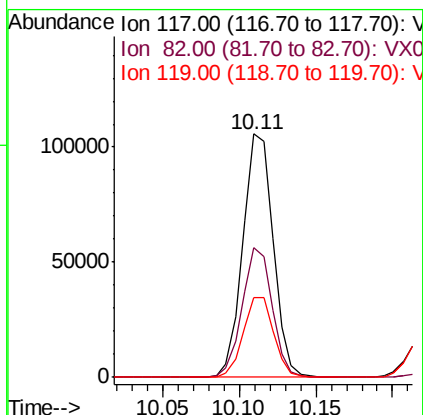
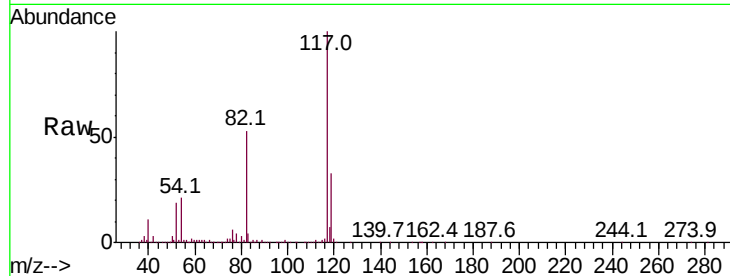
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.3	40.4	60.6
119	33.2	25.8	38.6

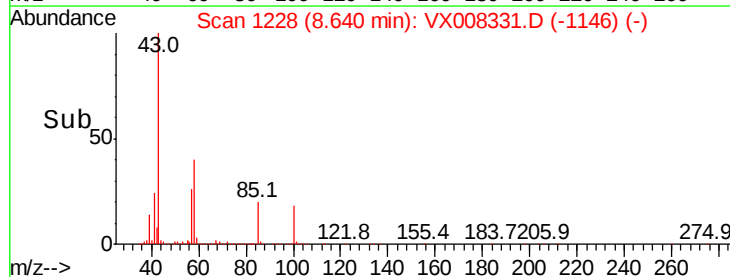
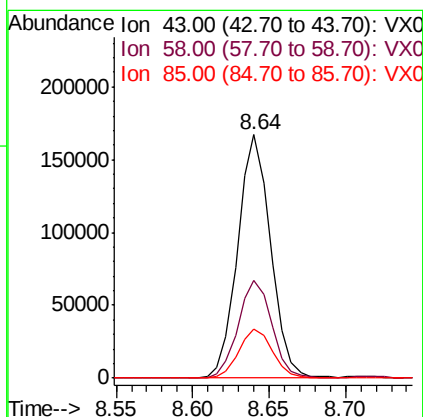
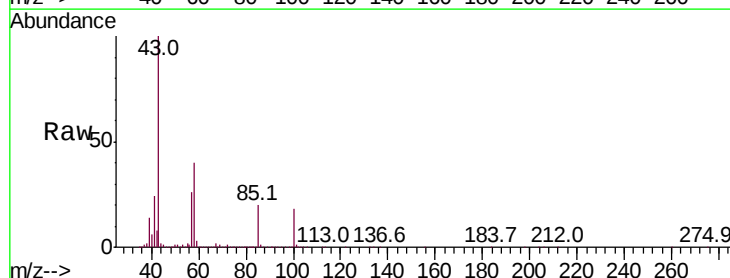
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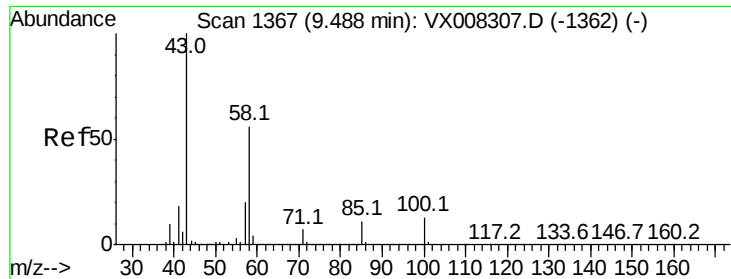
MMDadoda
3/23/2019 9:33:37 AM



#58
4-Methyl-2-Pentanone
Concen: 100.949 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	41.0	31.4	47.0
85	20.8	15.0	22.6





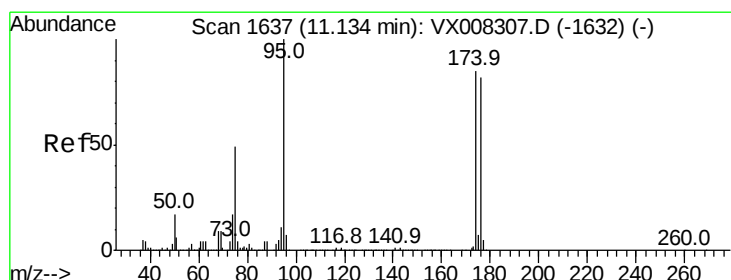
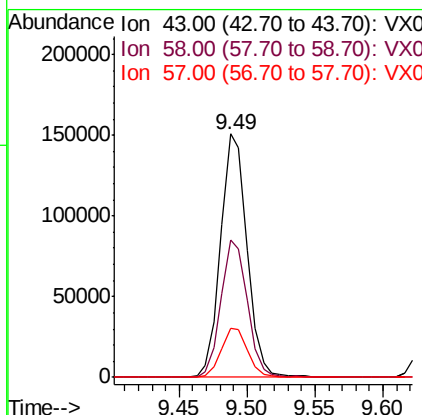
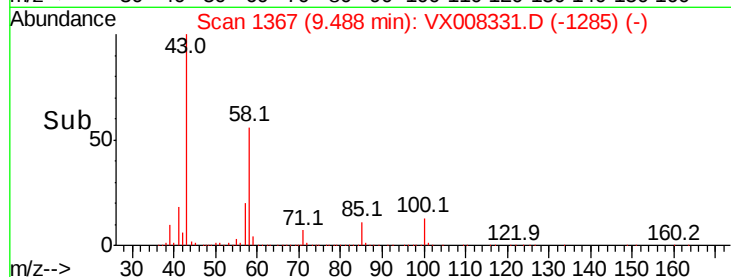
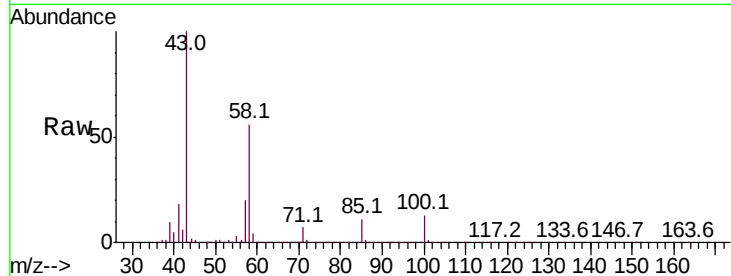
#59
2-Hexanone
Concen: 104.227 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	43.9	65.9
57	19.8	14.9	22.3

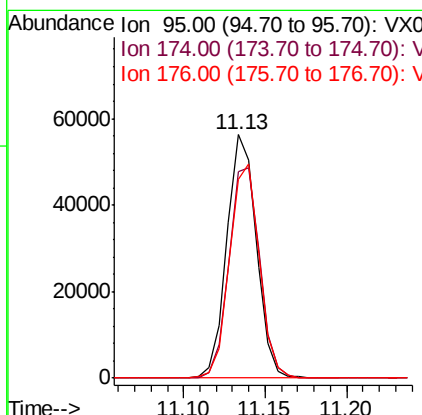
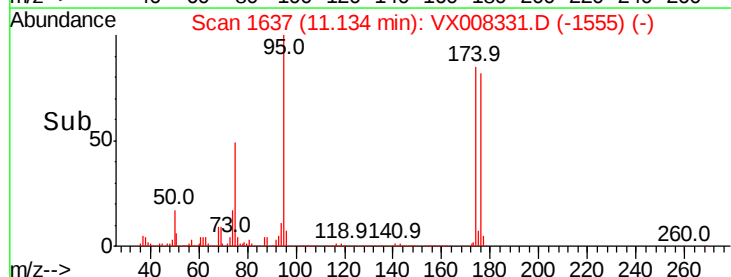
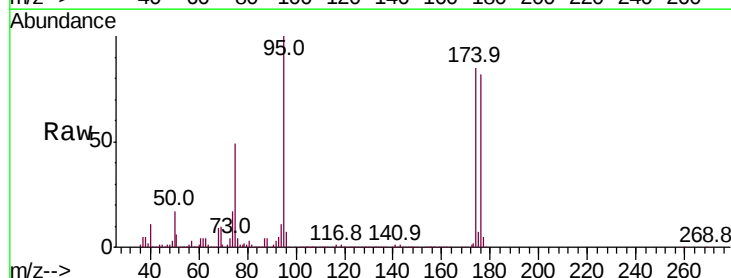
Manual Integrations
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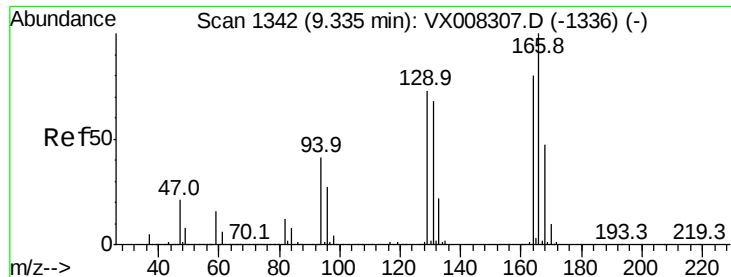
MMDadoda
3/23/2019 9:33:37 AM



#60
4-Bromofluorobenzene
Concen: 29.832 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	74.9	112.3
176	88.6	70.7	106.1





#61

Tetrachloroethene

Concen: 20.166 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 39684

Ion Ratio Lower Upper

164 100

166 125.5 103.9 155.9

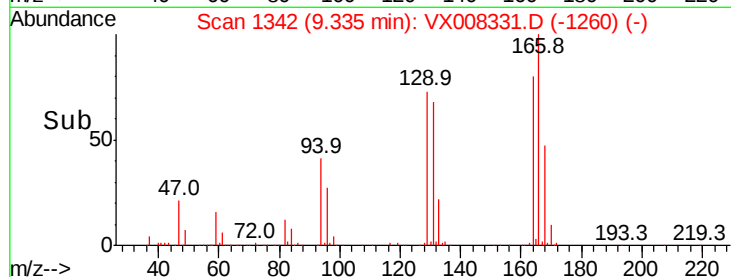
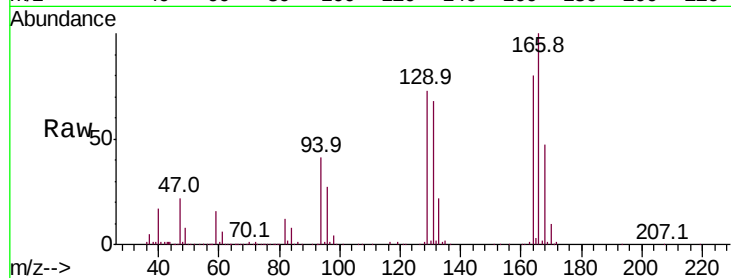
129 91.9 74.7 112.1

131 84.9 71.7 107.5

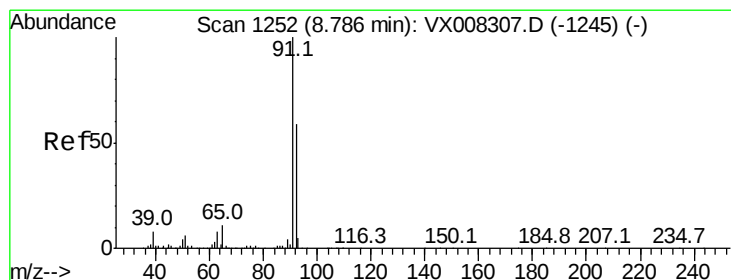
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Time-->



#62

Toluene

Concen: 20.057 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008331.D

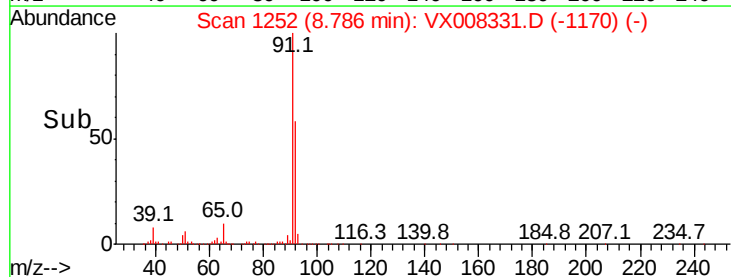
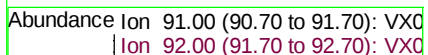
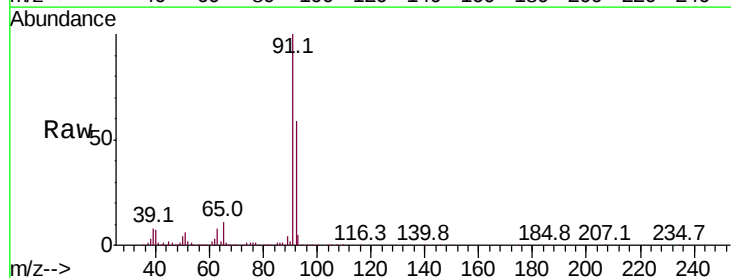
Acq: 22 Mar 2019 11:23

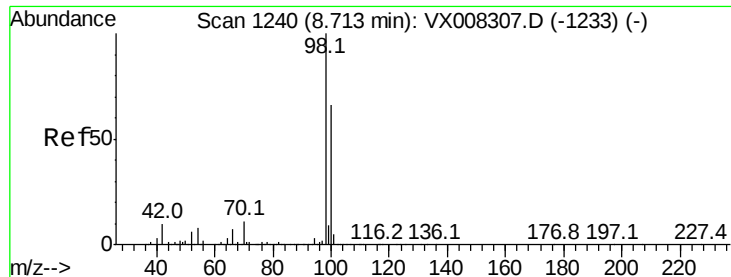
Tgt Ion: 91 Resp: 155638

Ion Ratio Lower Upper

91 100

92 57.9 46.4 69.6





#63

Toluene-d8

Concen: 30.102 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 198267

Ion Ratio Lower Upper

98 100

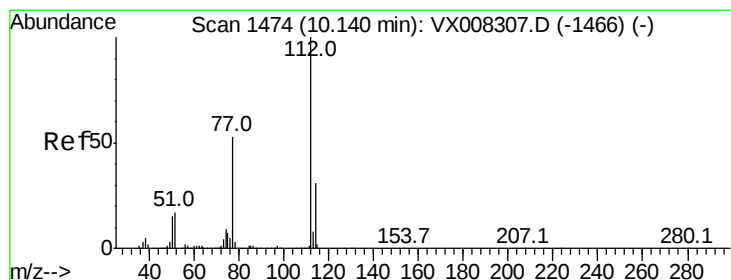
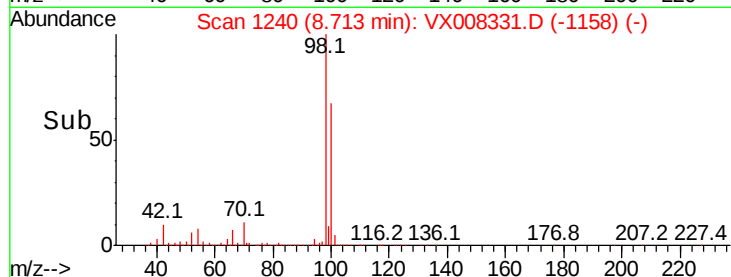
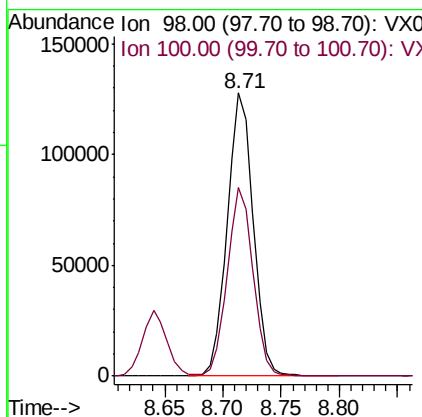
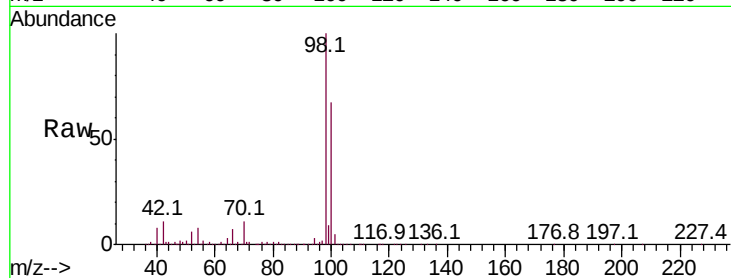
100 66.3 50.9 76.3

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#64

Chlorobenzene

Concen: 19.652 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008331.D

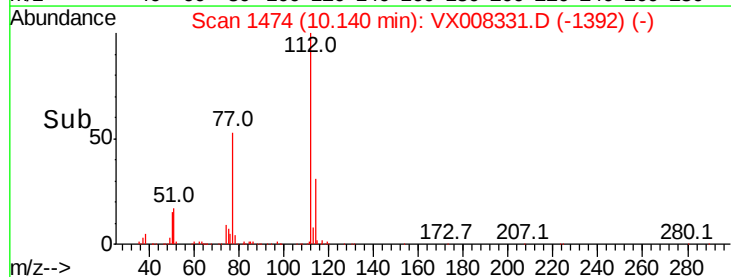
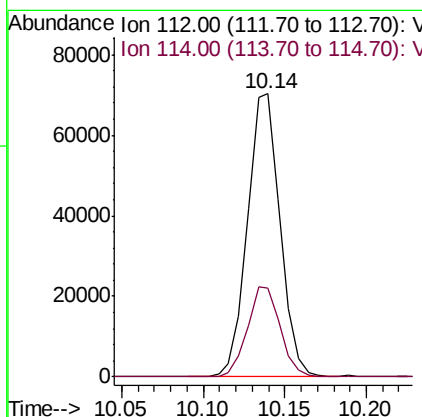
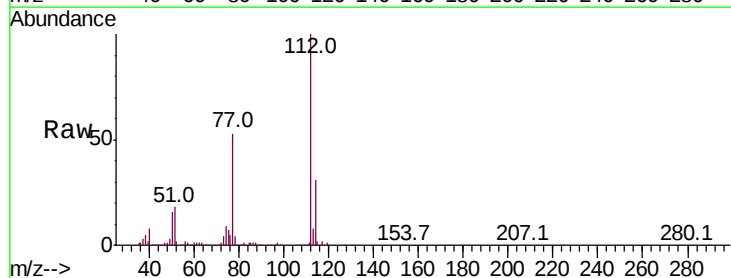
Acq: 22 Mar 2019 11:23

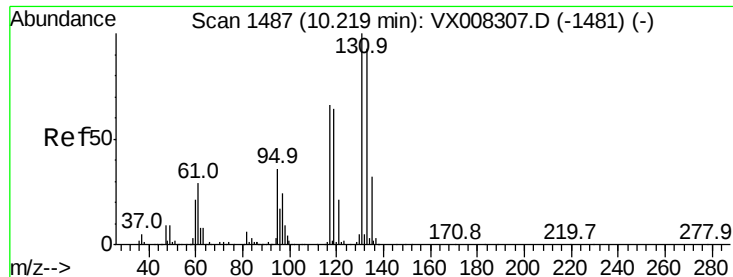
Tgt Ion: 112 Resp: 98309

Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.763 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

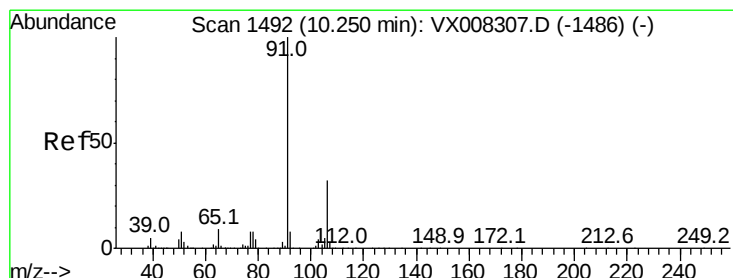
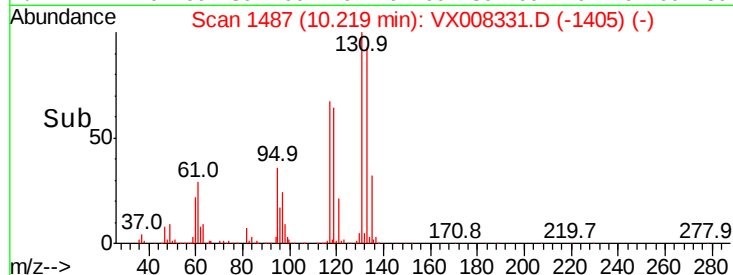
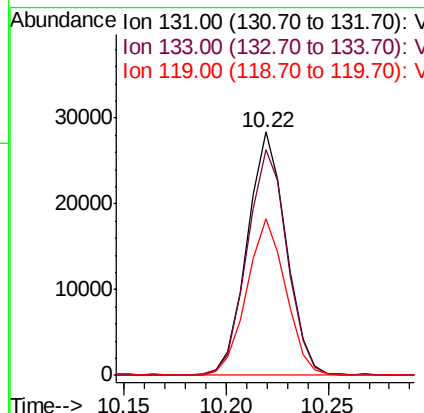
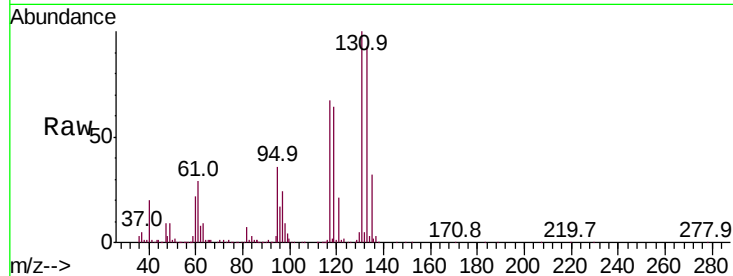
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	37759
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	191.6
119	64.5	0.0	127.4

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#66

Ethyl Benzene

Concen: 19.777 ug/l

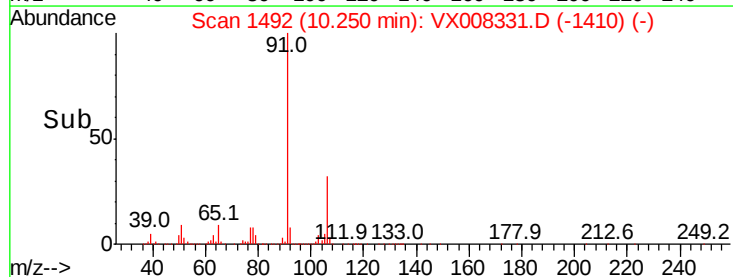
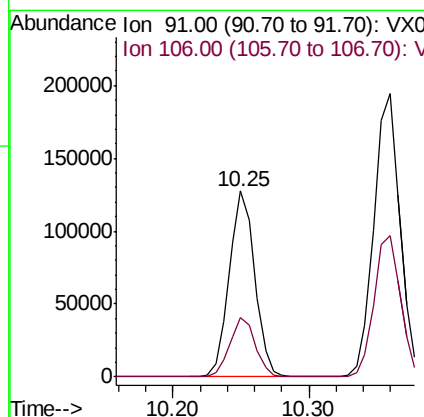
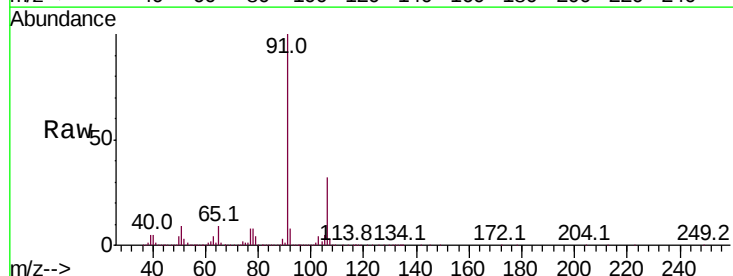
RT: 10.25 min Scan# 1492

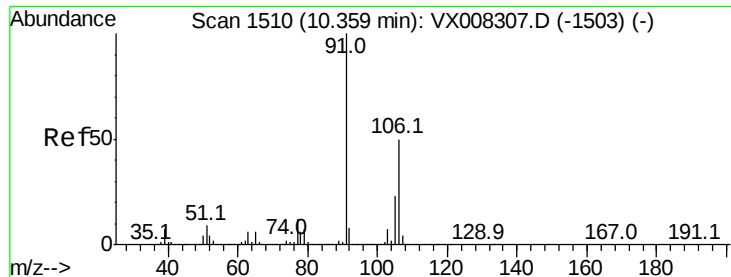
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	91	Resp:	165970
Ion Ratio	Lower	Upper	
91	100		
106	32.2	26.0	39.0





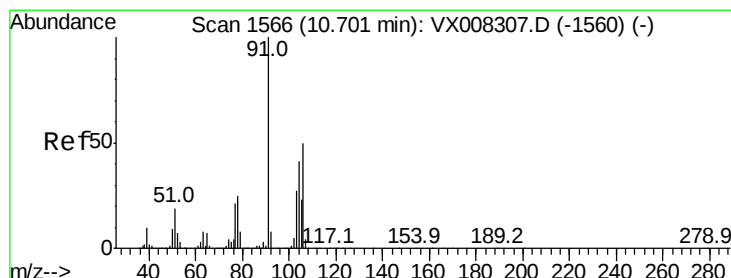
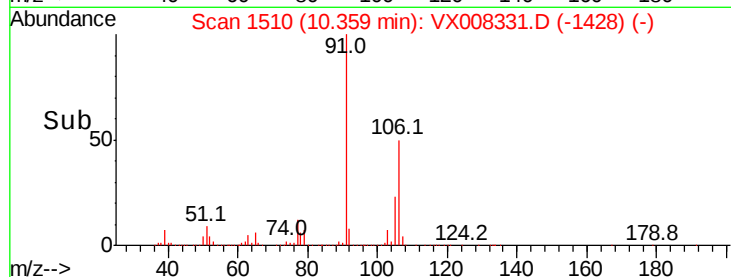
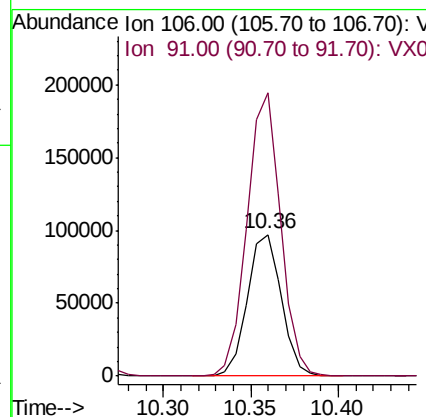
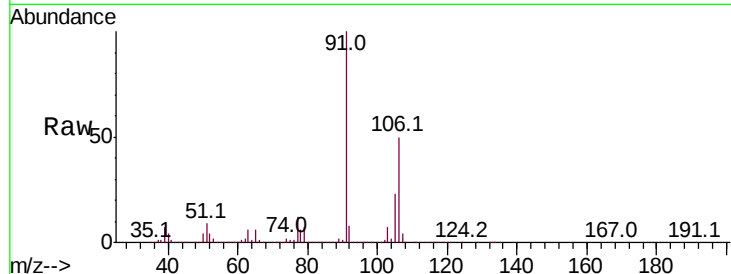
#67
m/p-Xylenes
Concen: 39.360 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 131277
Ion Ratio Lower Upper
106 100
91 197.3 157.0 235.4

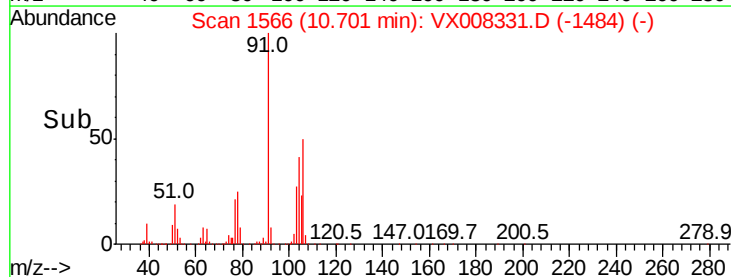
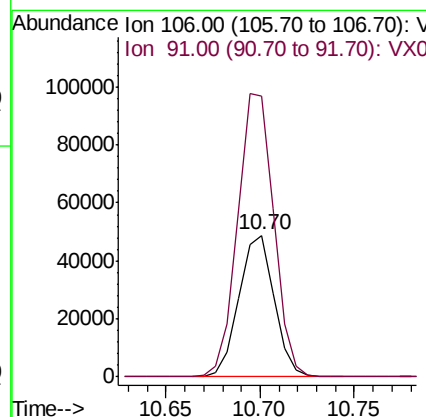
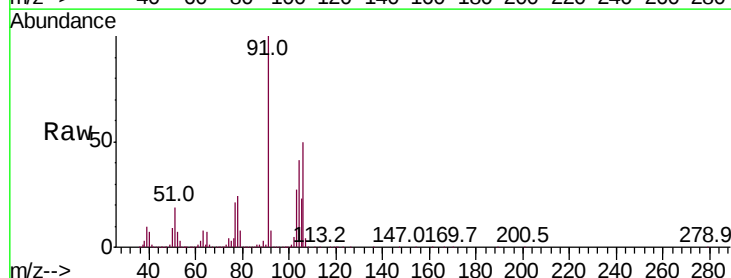
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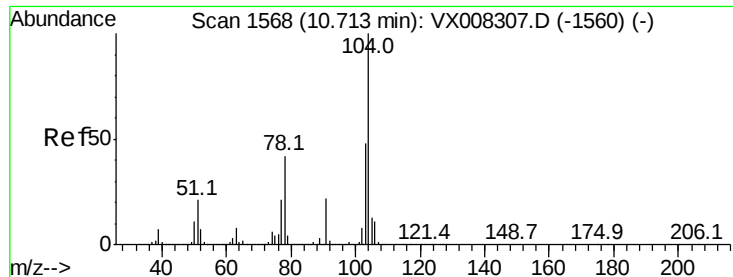
MMDadoda
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#68
o-Xylene
Concen: 19.848 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion:106 Resp: 63595
Ion Ratio Lower Upper
106 100
91 204.4 104.4 313.2





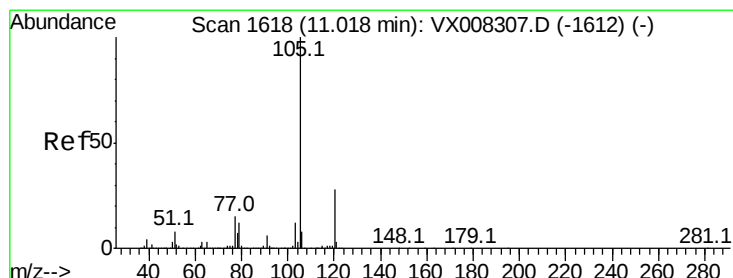
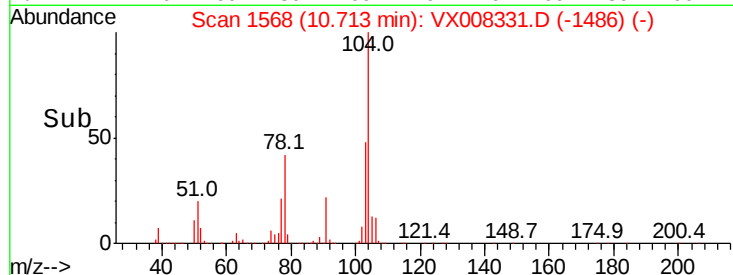
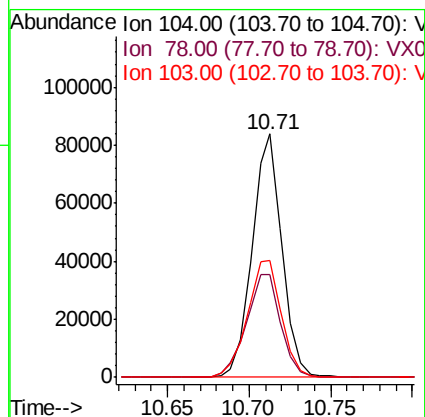
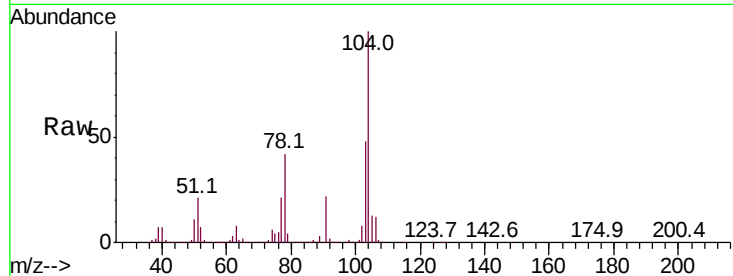
#69
Stvrene
Concen: 19.728 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	38.2	57.2
103	54.7	45.0	67.4

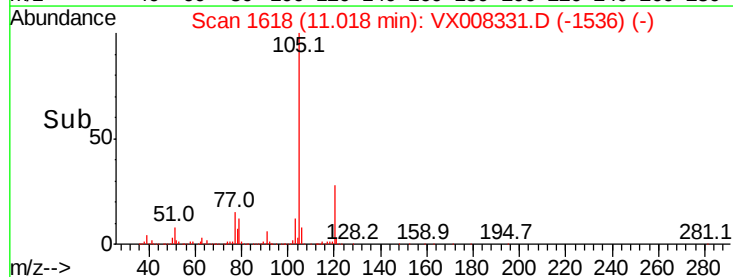
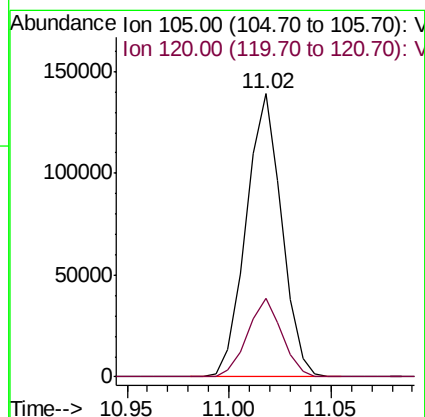
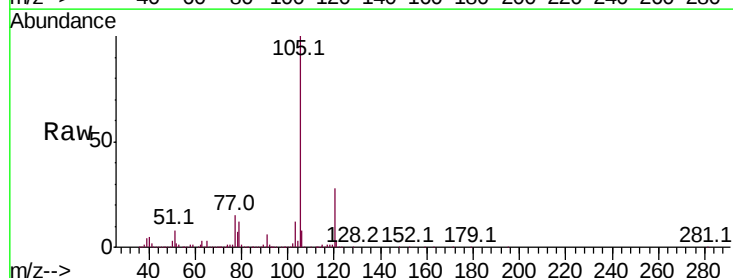
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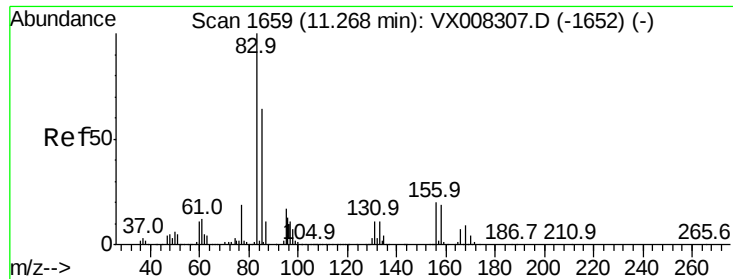
MMDadoda
3/23/2019 9:33:37 AM



#70
Isopropylbenzene
Concen: 19.945 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.905 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

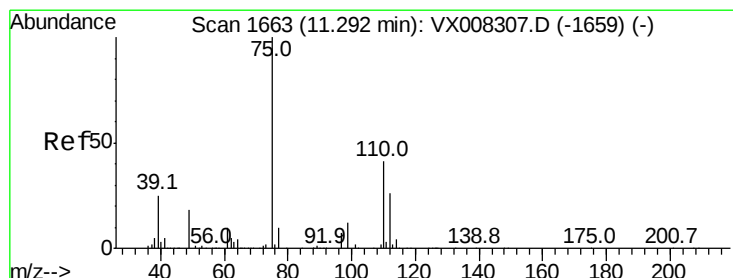
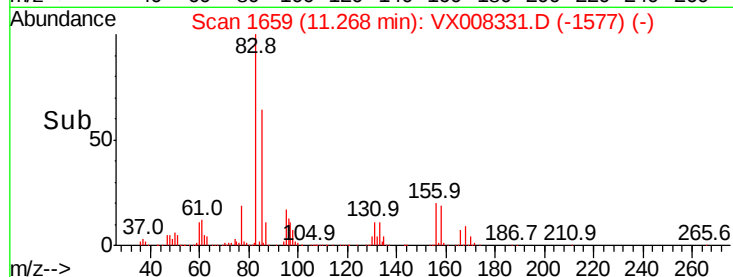
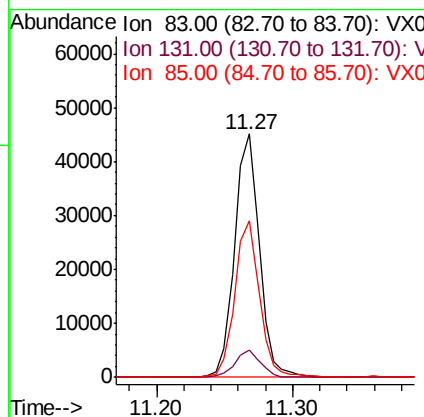
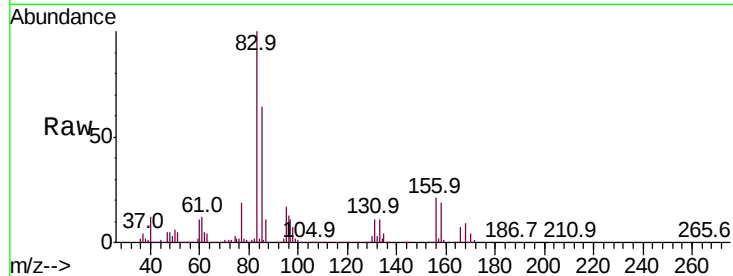
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	57218
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.4	16.2
85	64.4	32.8	98.4

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#72

1,2,3-Trichloropropane

Concen: 19.647 ug/l m

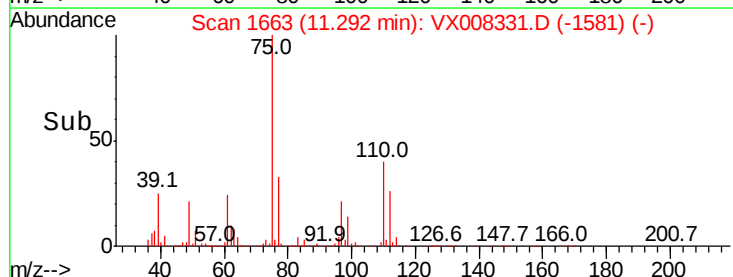
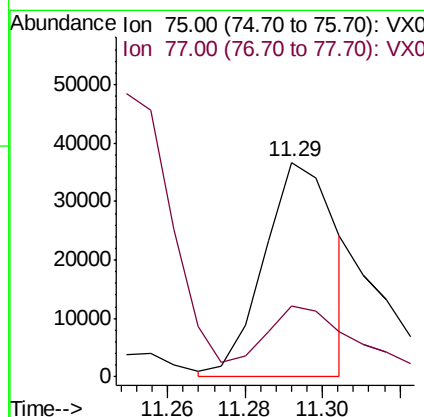
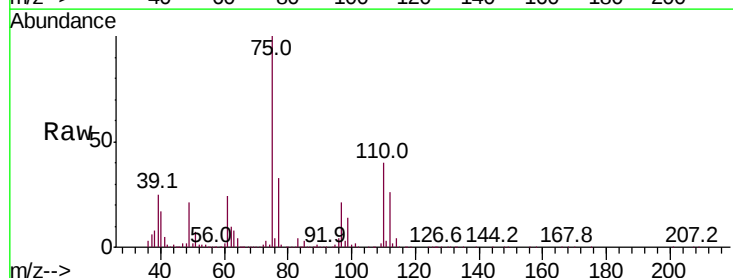
RT: 11.29 min Scan# 1663

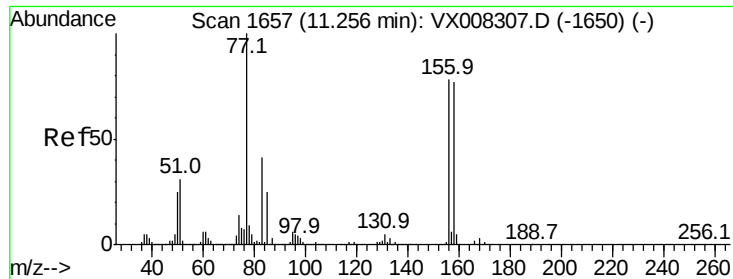
Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	75	Resp:	47140
Ion Ratio	Lower	Upper	
75	100		
77	42.6	0.0	76.4





#73

Bromobenzene

Concen: 19.912 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:156 Resp: 46441

Ion Ratio Lower Upper

156 100

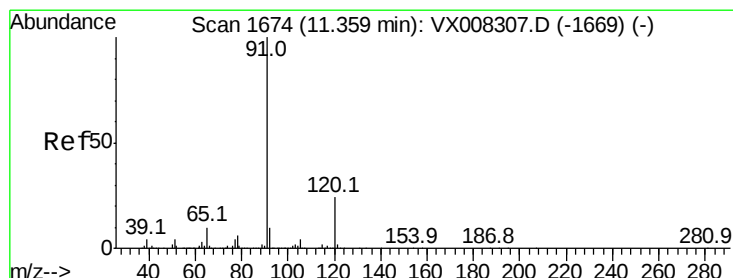
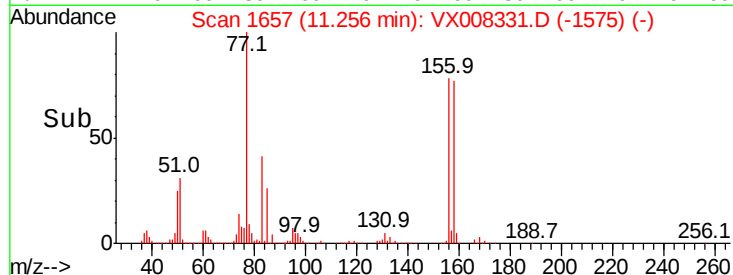
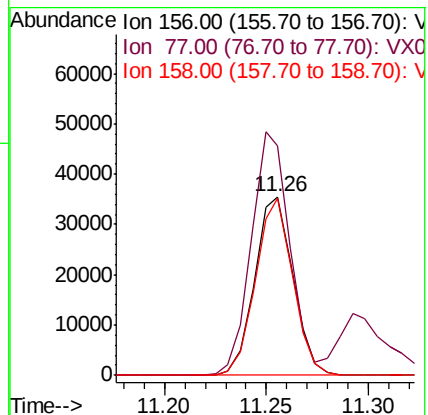
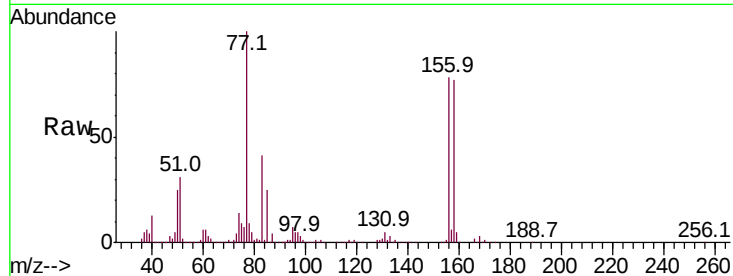
77 136.3 0.0 271.4

158 96.2 0.0 194.0

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#74

n-propylbenzene

Concen: 19.357 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008331.D

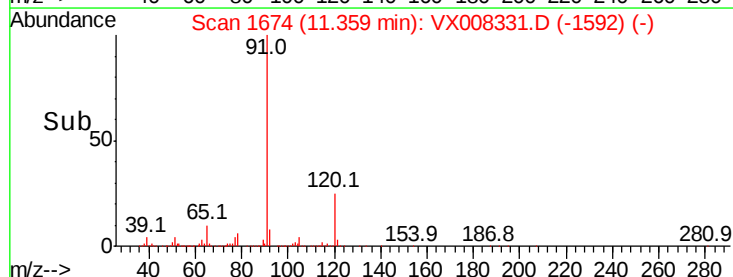
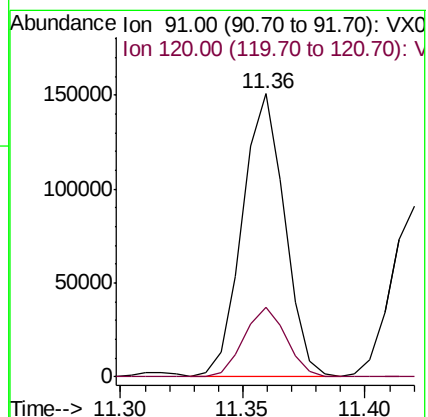
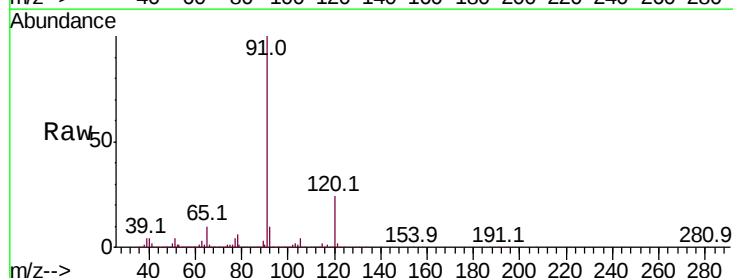
Acq: 22 Mar 2019 11:23

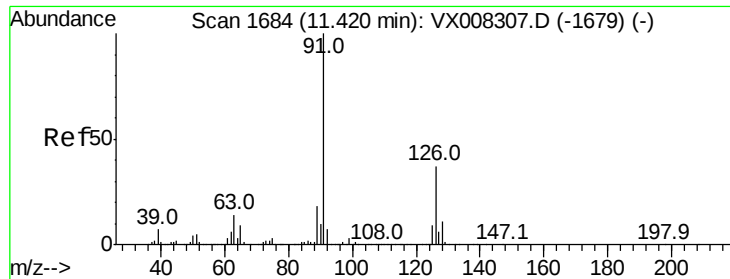
Tgt Ion: 91 Resp: 181883

Ion Ratio Lower Upper

91 100

120 24.7 0.0 48.6





#75

2-Chlorotoluene

Concen: 19.749 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 110821

Ion Ratio Lower Upper

91 100

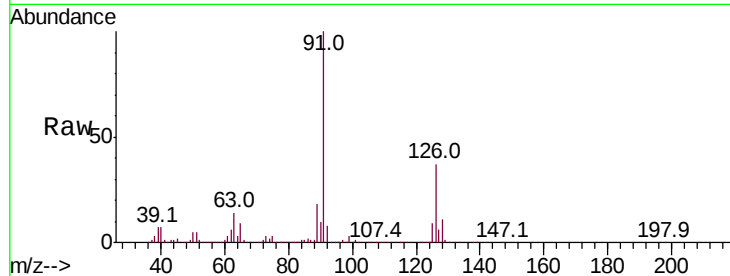
126 37.1 0.0 75.2

Manual Integrations

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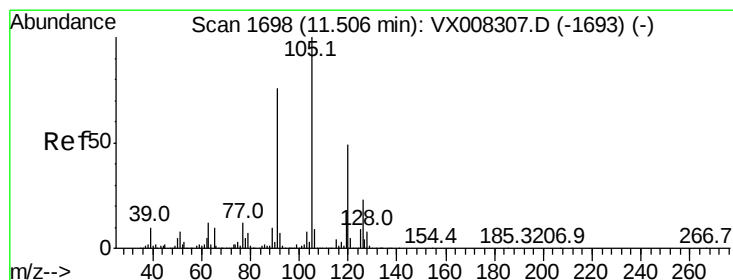
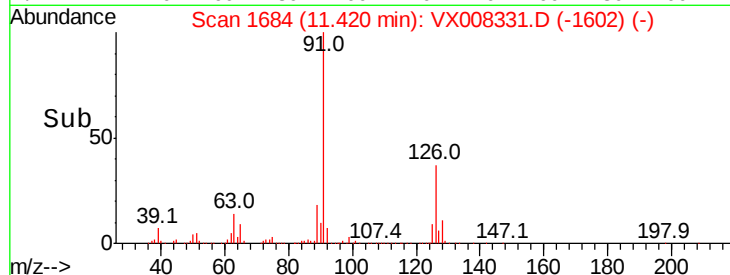
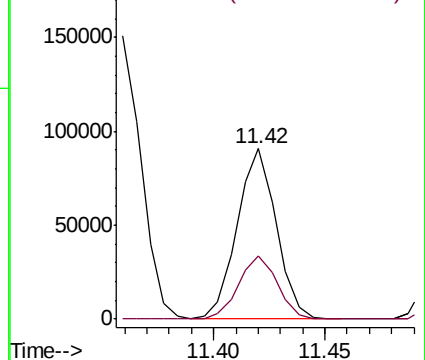
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.801 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008331.D

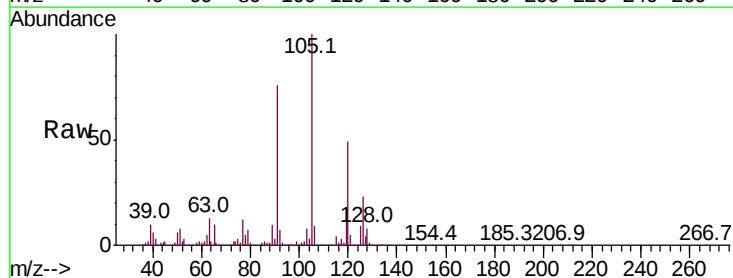
Acq: 22 Mar 2019 11:23

Tgt Ion:105 Resp: 142594

Ion Ratio Lower Upper

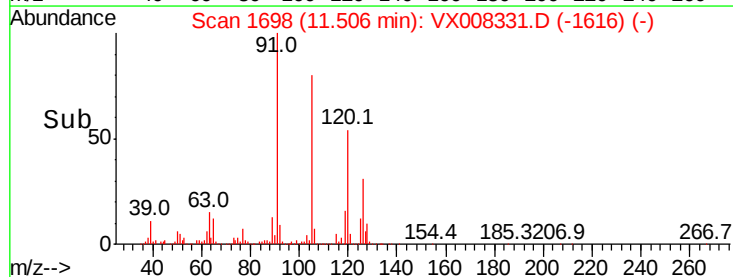
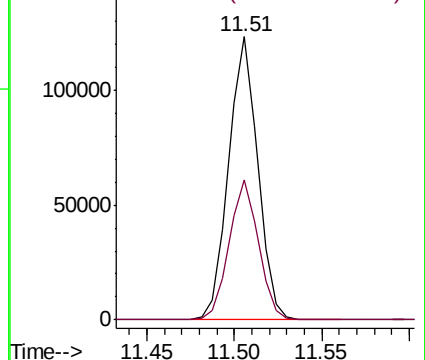
105 100

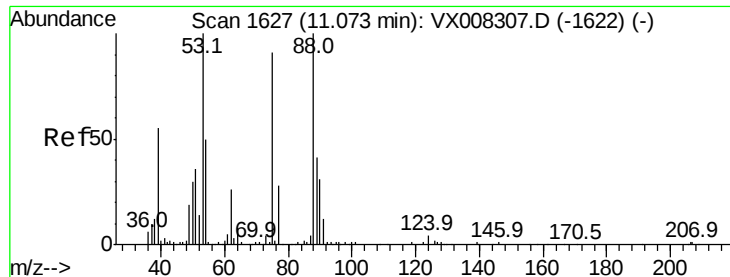
120 49.7 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.949 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 14724

Ion Ratio Lower Upper

75 100

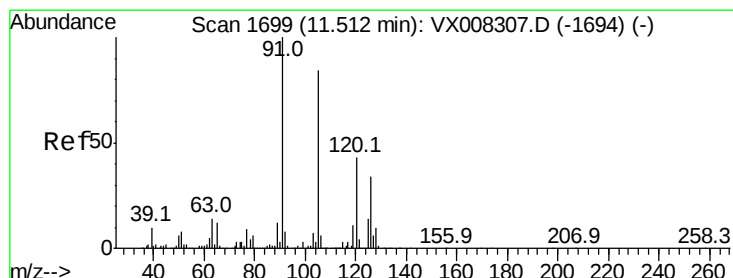
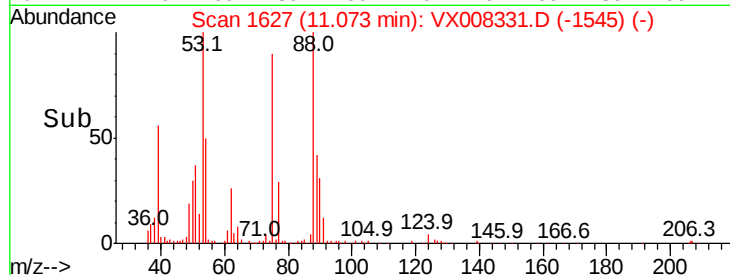
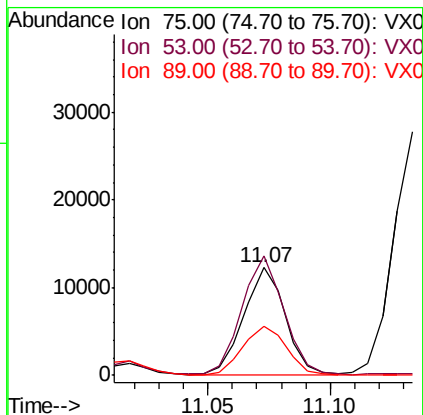
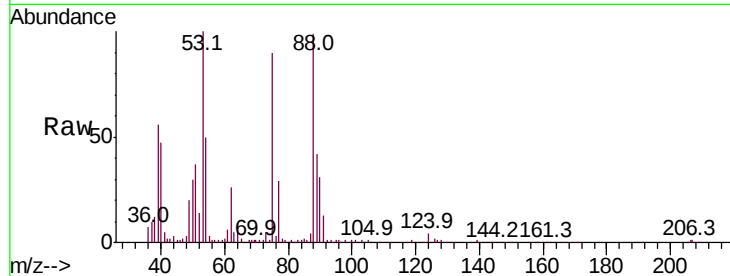
53 109.0 55.5 166.7

89 45.3 24.4 73.2

Manual Integrations
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3/23/2019 9:33:37 AM



#78

4-Chlorotoluene

Concen: 19.136 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008331.D

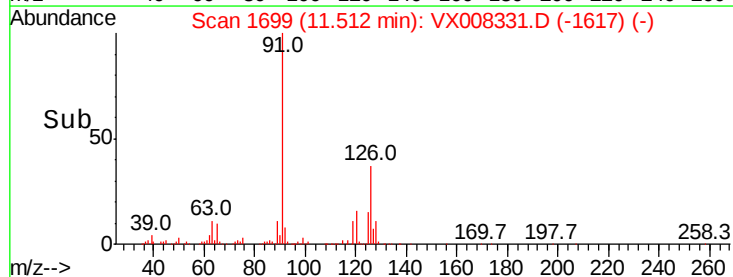
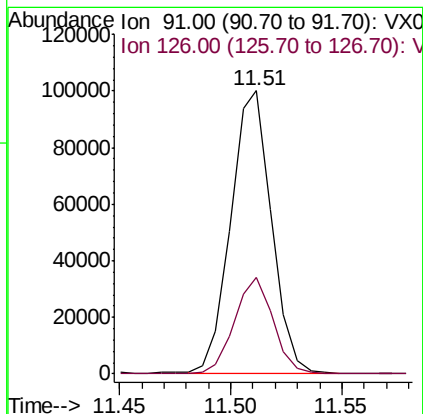
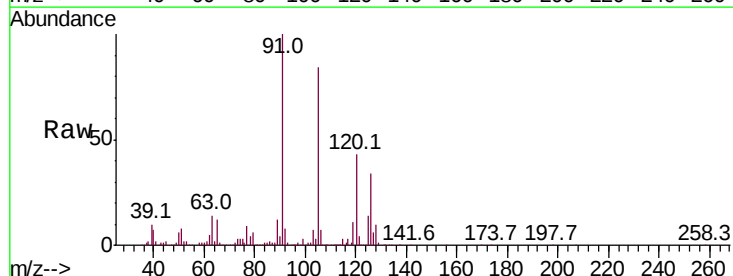
Acq: 22 Mar 2019 11:23

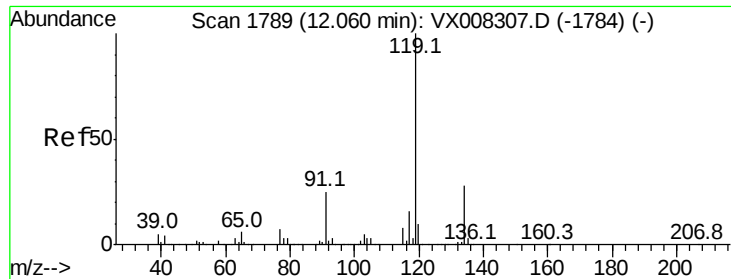
Tgt Ion: 91 Resp: 126381

Ion Ratio Lower Upper

91 100

126 32.8 0.0 66.2





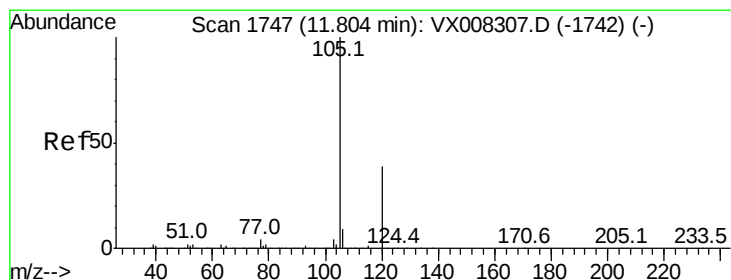
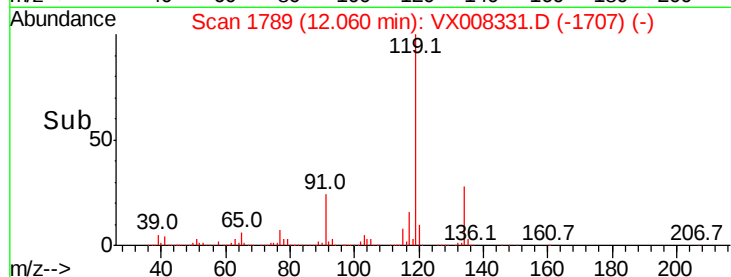
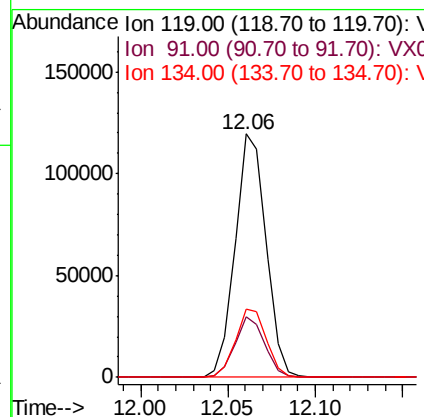
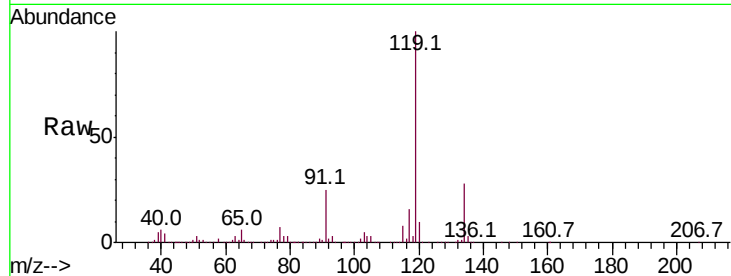
#79
tert-butylbenzene
Concen: 19.378 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	146793		
91	23.8	0.0	45.0	
134	28.0	0.0	55.4	

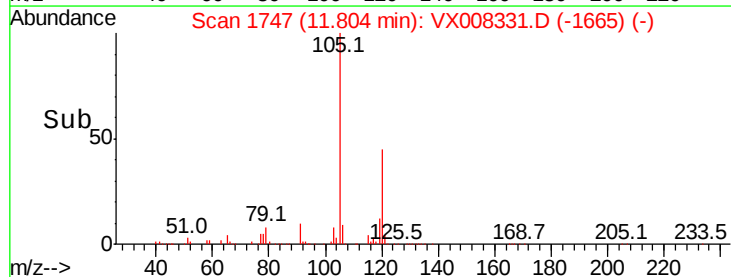
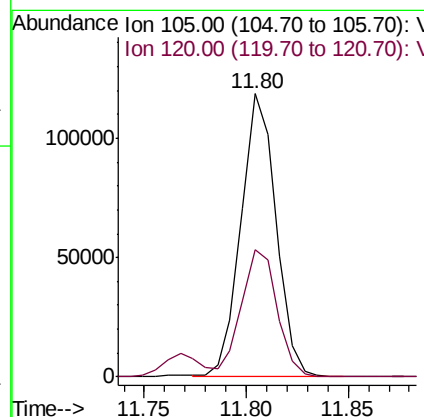
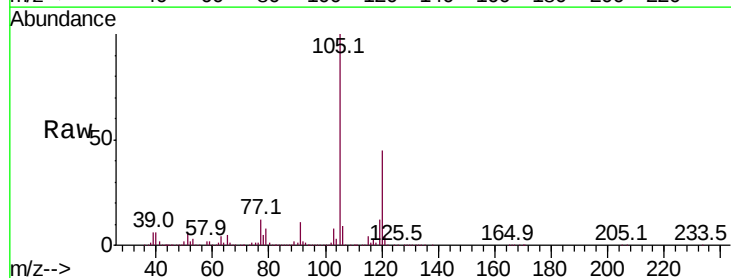
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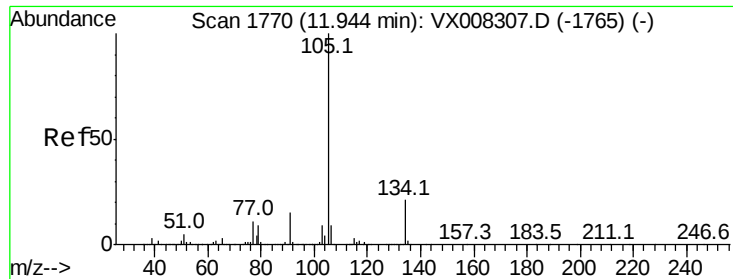
MMDadoda
3/23/2019 9:33:37 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.773 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141500		
120	45.7	0.0	94.0	





#81

sec-Butylbenzene

Concen: 19.379 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 159182

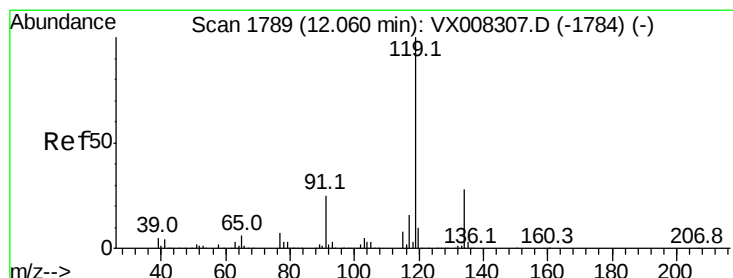
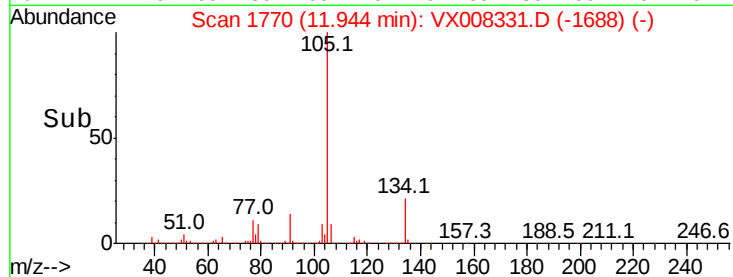
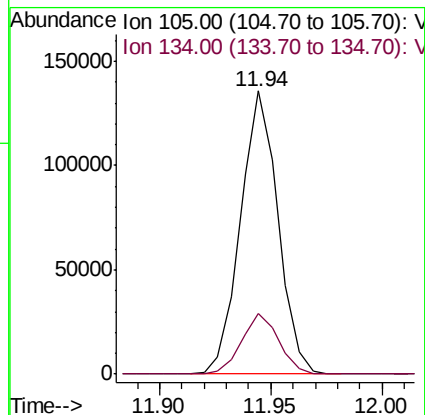
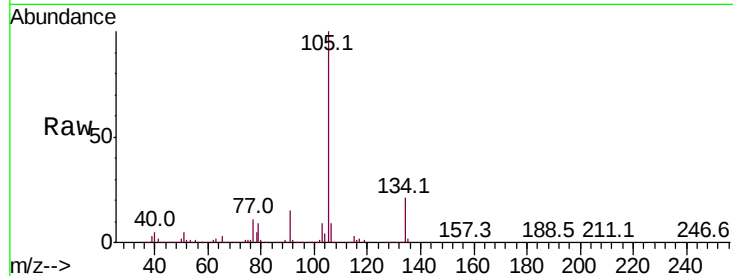
Ion Ratio Lower Upper

105 100

134 21.4 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 19.378 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

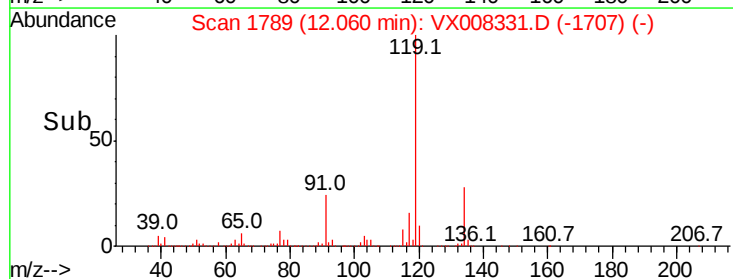
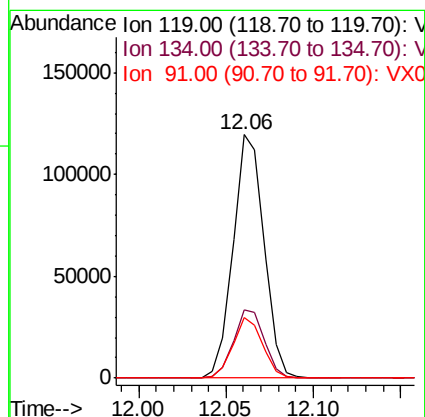
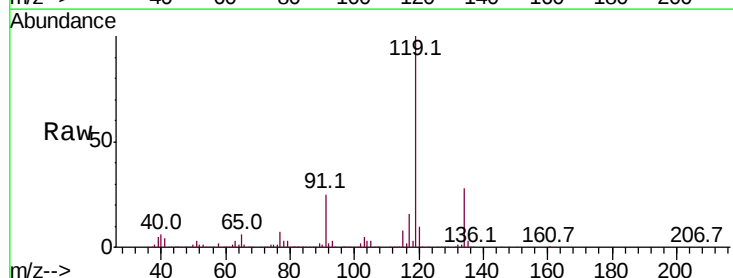
Tgt Ion:119 Resp: 146793

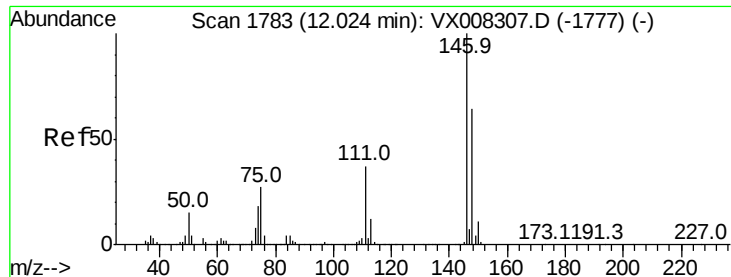
Ion Ratio Lower Upper

119 100

134 28.0 0.0 55.4

91 23.8 0.0 45.0





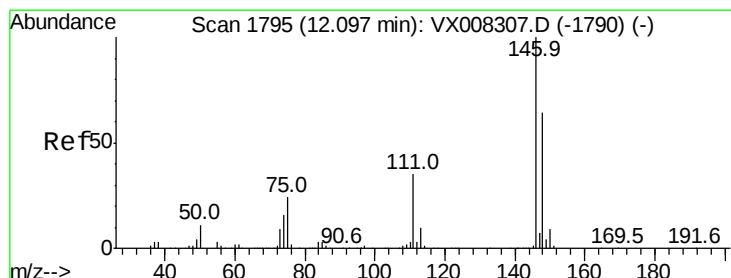
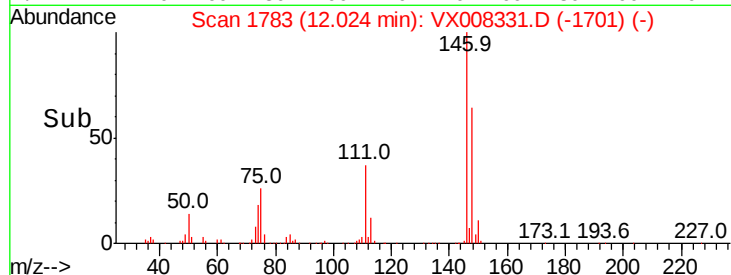
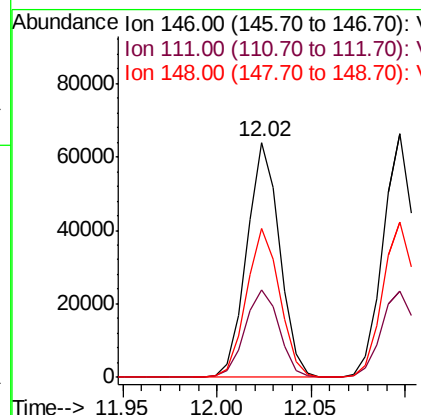
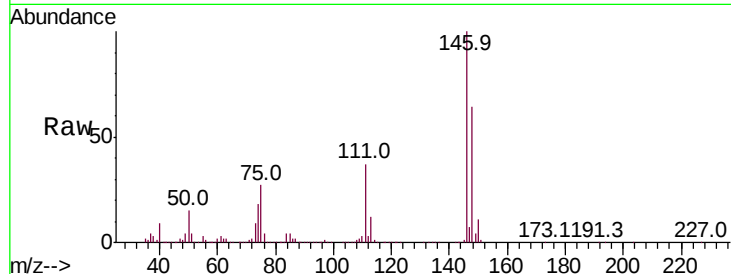
#83
 1,3-Dichlorobenzene
 Concen: 19.121 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.3
148	64.4	30.6	91.8

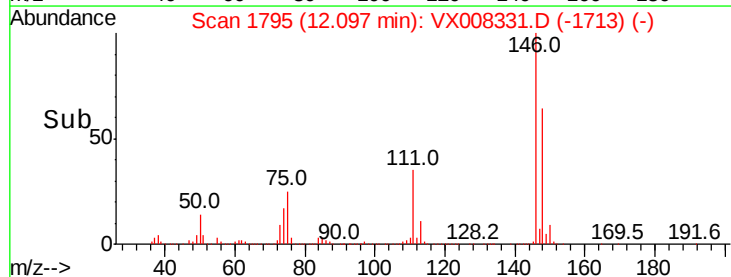
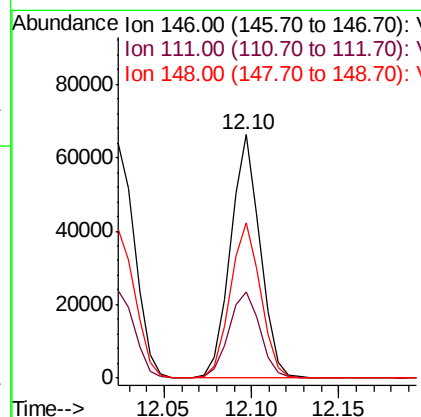
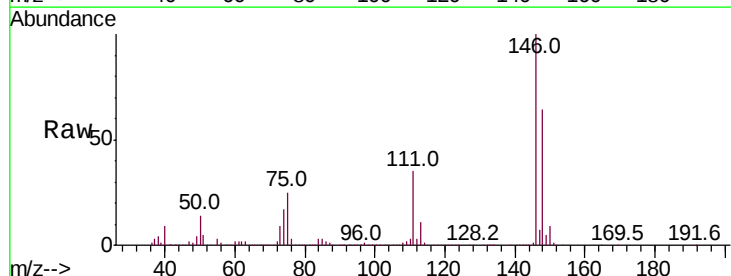
Manual Integrations
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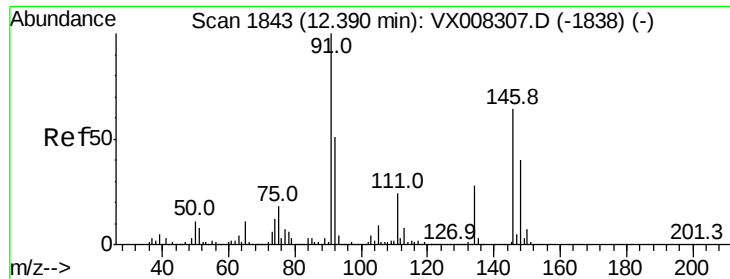
MMDadoda
 3/23/2019 9:33:37 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.364 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.6	52.8
148	64.8	31.4	94.2





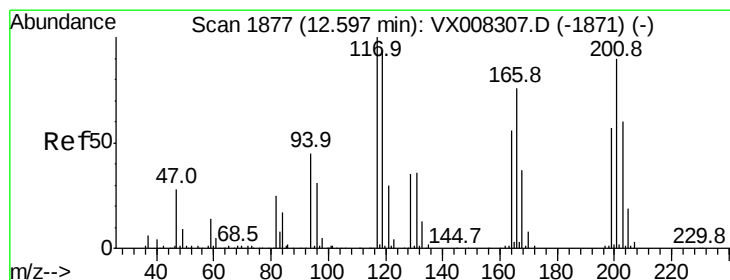
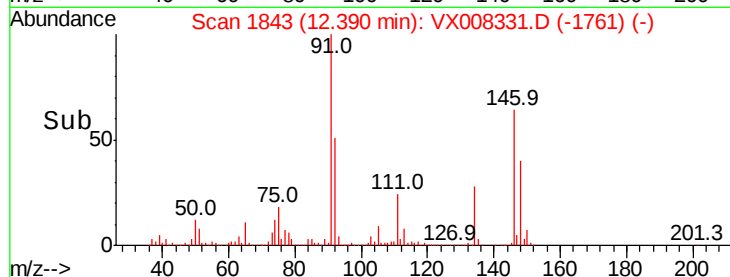
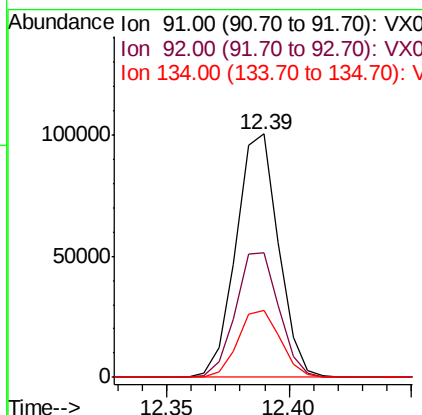
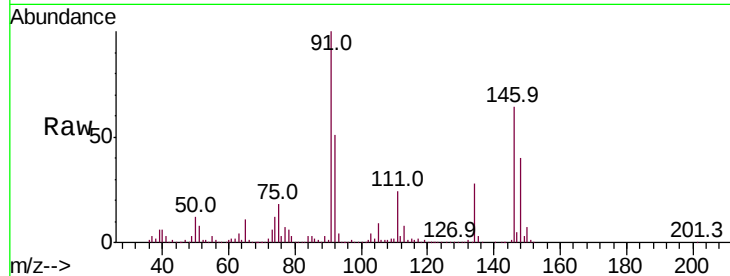
#85
n-Butylbenzene
Concen: 18.567 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	120982		
92	52.8	0.0	105.2	
134	27.9	0.0	56.4	

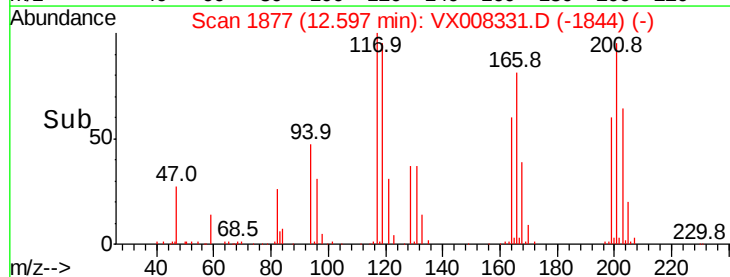
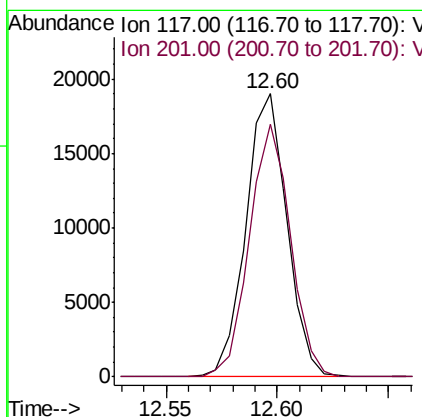
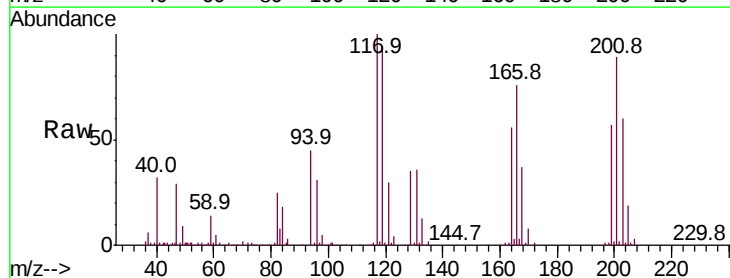
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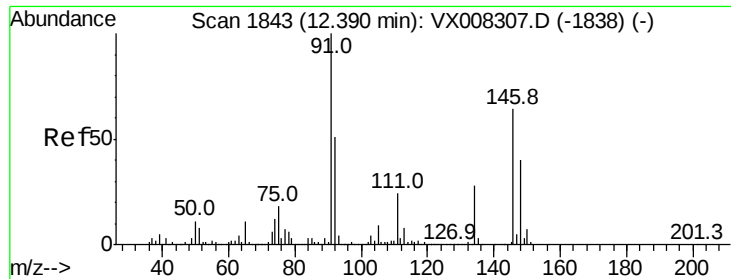
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#86
Hexachloroethane
Concen: 18.557 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008331.D
Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24227		
201	90.2	41.1	123.3	





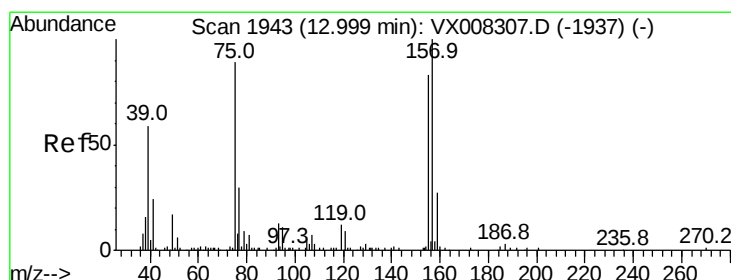
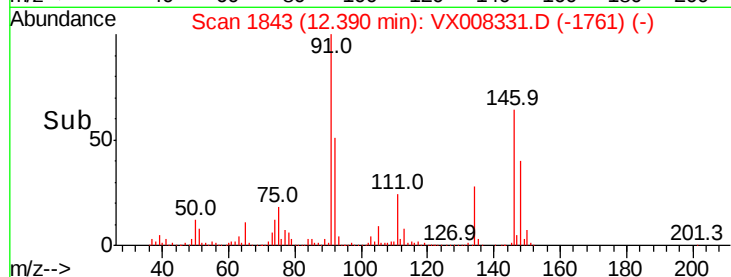
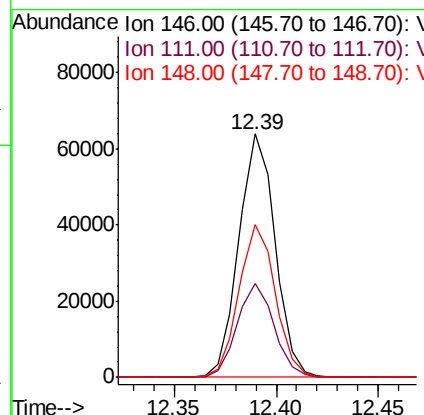
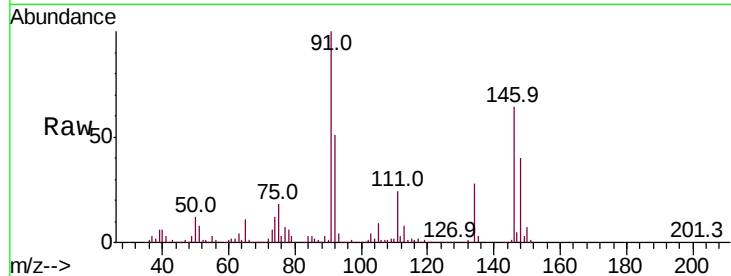
#87
 1,2-Dichlorobenzene
 Concen: 19.689 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	63.0	32.1	96.3

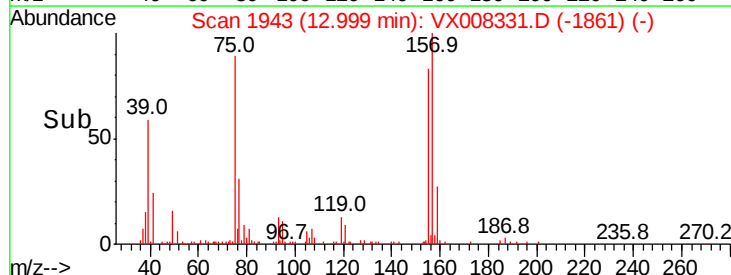
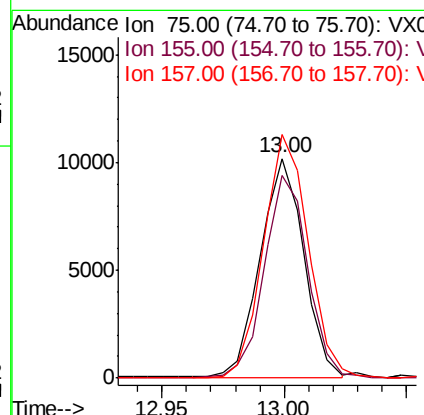
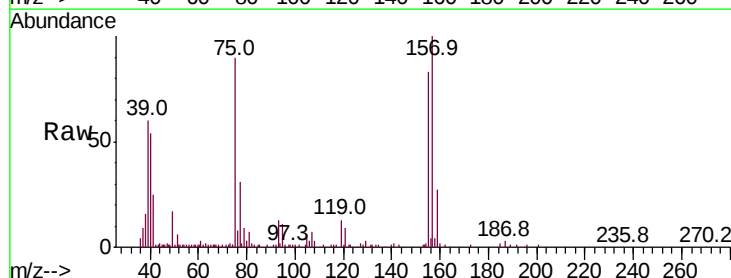
Manual Integrations
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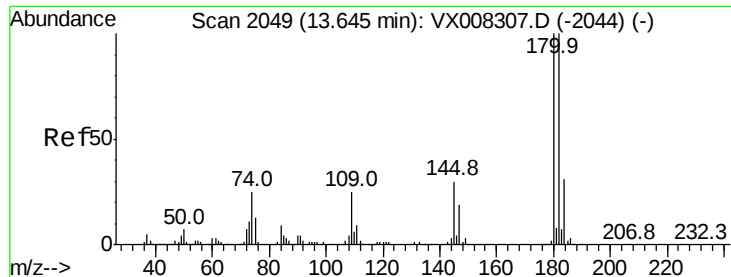
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.184 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	81.0	121.6
157	115.0	103.2	154.8





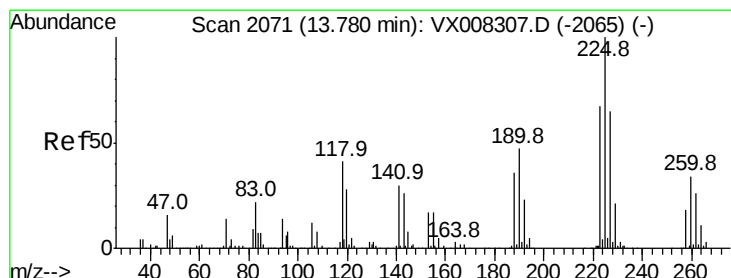
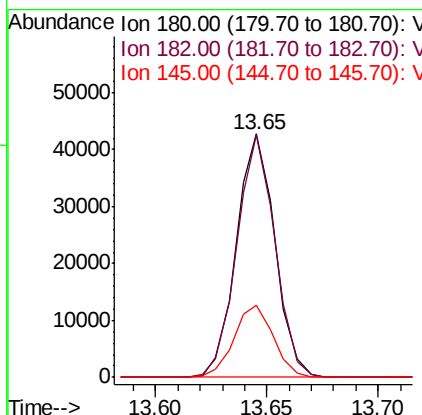
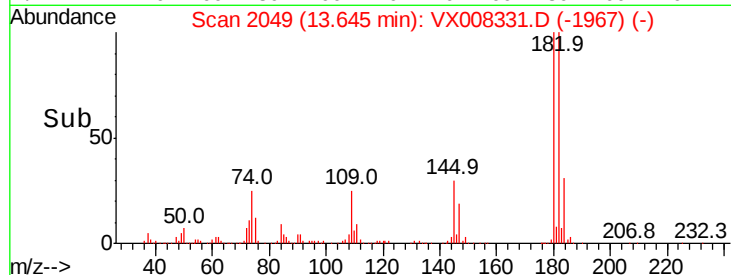
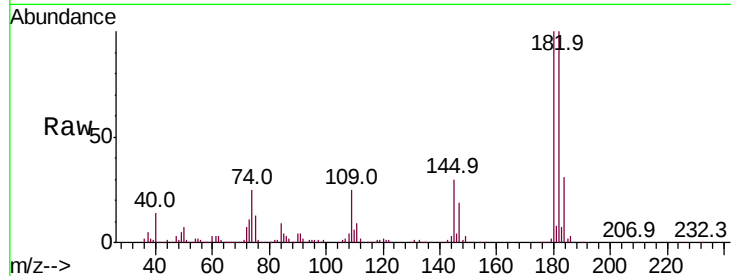
#89
 1,2,4-Trichlorobenzene
 Concen: 18.182 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51375		
182	98.9	75.6	113.4	
145	30.4	23.0	34.6	

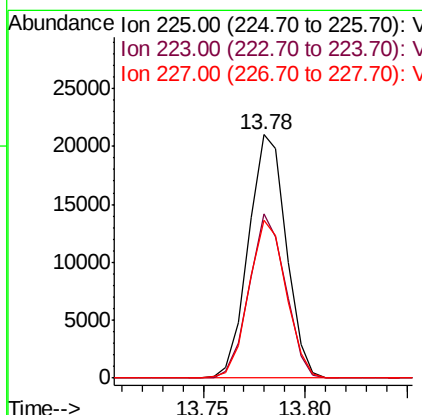
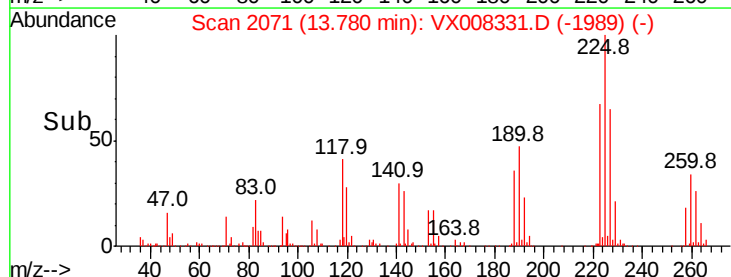
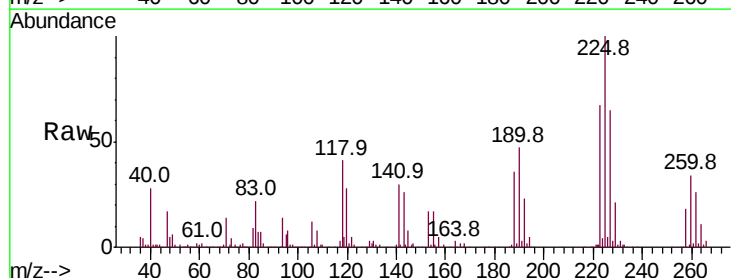
Manual Integrations
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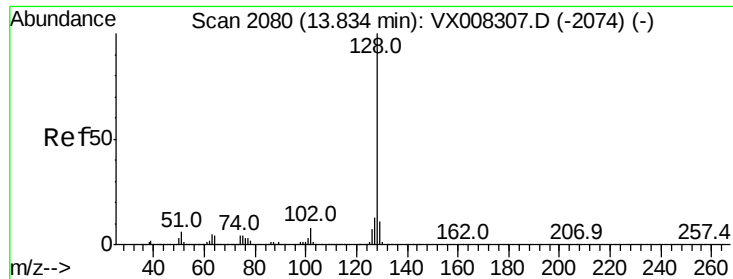
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#90
 Hexachlorobutadiene
 Concen: 19.015 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008331.D
 Acq: 22 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27047		
223	64.7	0.0	123.8	
227	64.1	0.0	124.4	





#91

Naphthalene

Concen: 19.237 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Instrument :

MSVOA_X

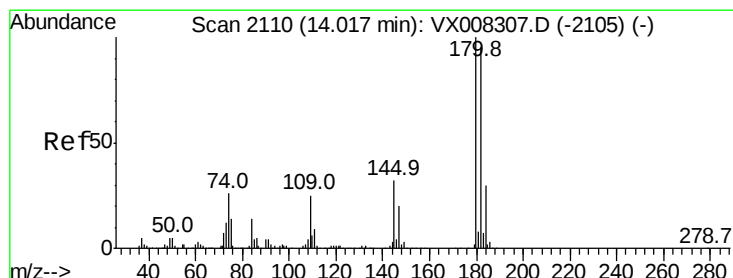
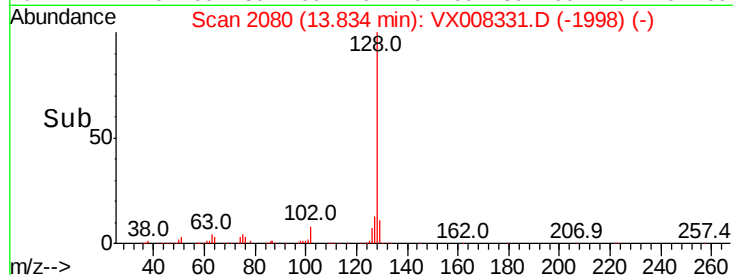
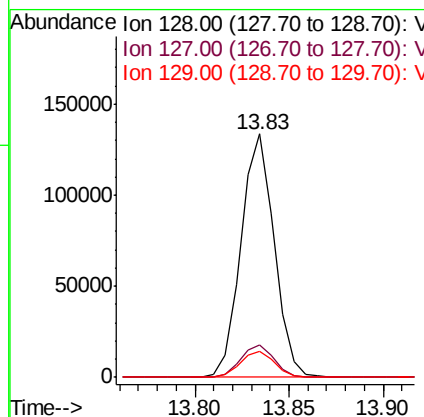
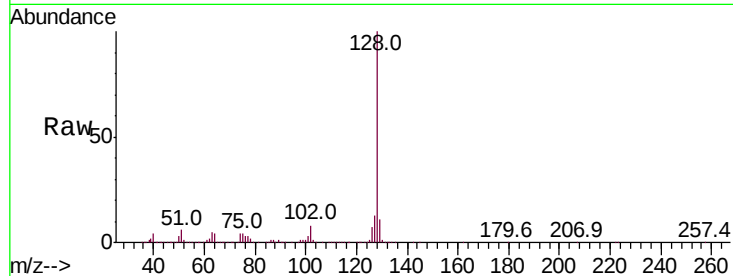
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	163255
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 19.068 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008331.D

Acq: 22 Mar 2019 11:23

Tgt Ion:	180	Resp:	54468
Ion Ratio	Lower	Upper	
180	100		
182	96.8	0.0	193.0
145	31.0	0.0	63.0

