

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008492.D
 Acq On : 27 Mar 2019 18:58
 Operator : JC/SP
 Sample : VX0327WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0327WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:35:39 AM

Quant Time: Mar 28 03:33:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	35145	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	199359	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	175181	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85446	29.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.87%
60) 4-Bromofluorobenzene	11.13	95	90684	29.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.03%
63) Toluene-d8	8.71	98	251720	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	43200	17.976 ug/l	98
3) Chloromethane	1.32	50	61229	19.446 ug/l	96
4) Vinyl Chloride	1.40	62	59420	18.722 ug/l	96
5) Bromomethane	1.64	94	29007	17.639 ug/l	98
6) Chloroethane	1.72	64	35329	17.007 ug/l	95
7) Trichlorofluoromethane	1.93	101	65503	18.594 ug/l	99
8) Diethyl Ether	2.18	74	31303	18.843 ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.38	101	39672	18.084 ug/l	93
10) 1,1-Dichloroethene	2.37	96	42300	19.006 ug/l	88
11) Methyl Iodide	2.51	142	38354	16.643 ug/l	97
12) Methyl Acetate	3.20	43	34398	19.069 ug/l	93
13) Acrolein	2.29	56	43135	83.355 ug/l	94
14) Acrylonitrile	3.14	53	159009	95.346 ug/l	99
15) Acetone	2.44	58	42730	83.088 ug/l	97
16) Carbon Disulfide	2.57	76	126015	18.201 ug/l	98
17) Allyl chloride	2.73	41	91406	18.274 ug/l	91
18) Methylene Chloride	2.85	84	50585	19.014 ug/l	85
19) trans-1,2-Dichloroethene	3.17	96	44000	18.505 ug/l	86
20) Diisopropyl ether	3.85	45	185533	19.057 ug/l #	87
21) 1,1-Dichloroethane	3.70	63	92534	18.936 ug/l	96
22) cis-1,2-Dichloroethene	4.59	96	50804	18.490 ug/l #	80
23) tert-Butyl Alcohol	3.04	59	64449	95.703 ug/l	100
24) Methyl tert-Butyl Ether	3.19	73	156115	19.086 ug/l	99
25) Chloroform	5.21	83	84286	19.041 ug/l	94
26) Cyclohexane	5.58	56	88202	18.579 ug/l #	83
29) 1,1-Dichloropropene	5.80	75	64203	19.143 ug/l	94
30) 2-Butanone	4.67	43	232598	94.310 ug/l	94
31) 2,2-Dichloropropane	4.59	77	55989	16.714 ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	66886	19.204 ug/l	94
33) Carbon Tetrachloride	5.79	117	54183	18.594 ug/l	96
34) Benzene	6.14	78	199679	19.476 ug/l #	96
35) Methacrylonitrile	5.04	41	48614	19.383 ug/l	91
36) 1,2-Dichloroethane	6.20	62	71435	19.543 ug/l	98
37) Trichloroethene	7.21	130	45380	19.247 ug/l	86
38) Methylcyclohexane	7.46	83	77355	18.304 ug/l	88
39) 1,2-Dichloropropane	7.51	63	56349	19.378 ug/l	97
40) Dibromomethane	7.66	93	32149	19.085 ug/l	88

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

41) Bromodichloromethane	7.90	83	62029	18.728	ug/l	97
42) Vinyl Acetate	3.81	43	823091	98.449	ug/l #	93
43) Ethyl Acetate	4.84	43	87135	19.630	ug/l #	79
44) Isopropyl Acetate	6.45	43	138380	19.279	ug/l	99
45) 1,4-Dioxane	7.74	88	28869	404.025	ug/l #	85
46) Methyl methacrylate	7.77	41	70714	19.398	ug/l	88
47) n-amyl Acetate	10.90	43	123965	19.013	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	65914	17.619	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	76821	18.358	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	48546	19.409	ug/l	98
51) Ethyl methacrylate	9.18	69	87975	18.901	ug/l	93
52) 1,3-Dichloropropane	9.37	76	86011	19.329	ug/l	99
53) Dibromochloromethane	9.58	129	44831	18.214	ug/l	100
54) 1,2-Dibromoethane	9.67	107	49453	19.180	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	223806	95.311	ug/l	95
56) Bromoform	10.85	173	31208	17.398	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	457792	99.055	ug/l	96
59) 2-Hexanone	9.49	43	353442	96.800	ug/l	97
61) Tetrachloroethene	9.33	164	37197	19.412	ug/l	99
62) Toluene	8.78	91	207799	19.592	ug/l	99
64) Chlorobenzene	10.14	112	119805	19.277	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	41680	19.022	ug/l	98
66) Ethyl Benzene	10.25	91	225501	19.155	ug/l	96
67) m/p-Xylenes	10.36	106	165783	38.608	ug/l	91
68) o-Xylene	10.70	106	81689	19.441	ug/l	92
69) Styrene	10.71	104	139706	19.107	ug/l	96
70) Isopropylbenzene	11.02	105	213458	19.258	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	82043	19.813	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	76982m	21.994	ug/l	
73) Bromobenzene	11.26	156	50247	19.054	ug/l	77
74) n-propylbenzene	11.36	91	249949	18.929	ug/l	94
75) 2-Chlorotoluene	11.42	91	150805	19.196	ug/l	89
76) 1,3,5-Trimethylbenzene	11.51	105	180087	19.004	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	22307	16.615	ug/l	94
78) 4-Chlorotoluene	11.51	91	169723	18.771	ug/l	90
79) tert-butylbenzene	12.06	119	181081	18.698	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	179506	18.998	ug/l	94
81) sec-Butylbenzene	11.94	105	205212	18.953	ug/l	95
82) p-Isopropyltoluene	12.06	119	181081	18.698	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	88027	18.802	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	87216	18.642	ug/l	96
85) n-Butylbenzene	12.38	91	165275	17.962	ug/l	97
86) Hexachloroethane	12.60	117	28704	17.740	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	89814	19.039	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18178	19.807	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	60720	18.660	ug/l	100
90) Hexachlorobutadiene	13.78	225	28778	18.358	ug/l	98
91) Naphthalene	13.83	128	222293	19.939	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	63888	19.491	ug/l	98

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Instrument :
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ClientSampleId :
VX0327WBSD01

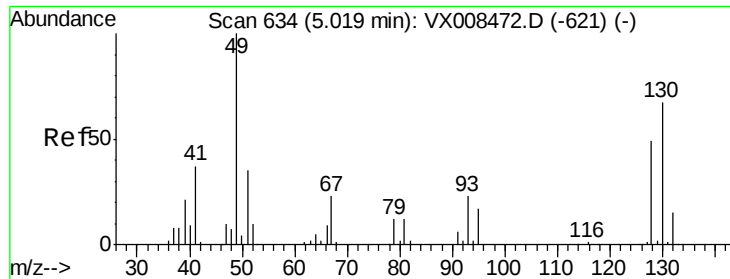
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

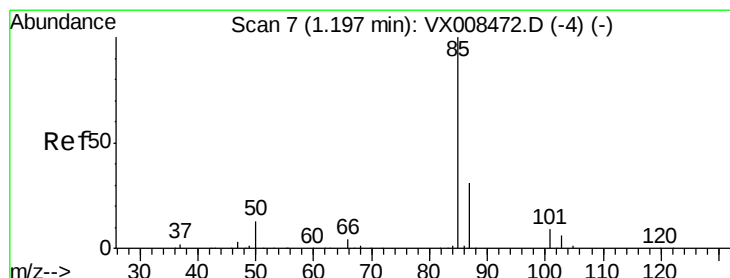
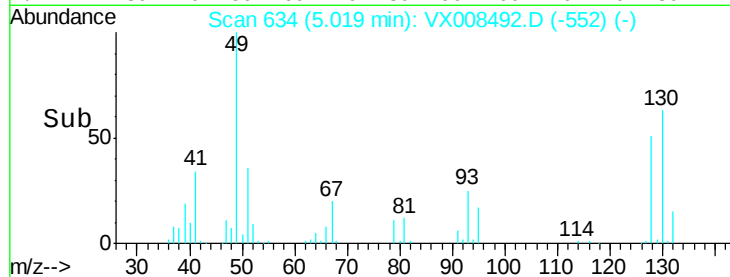
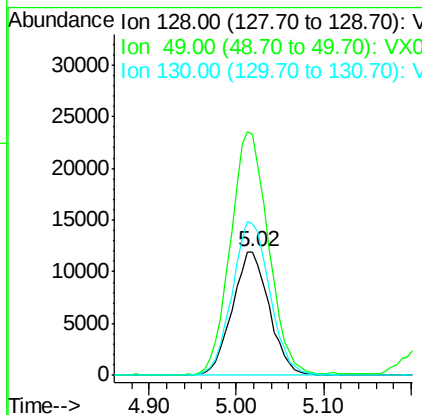
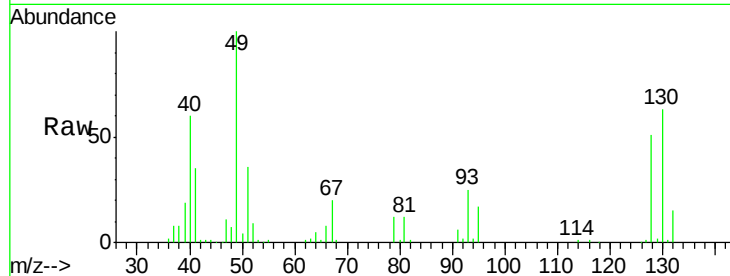
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	202.6	0.0	350.8
130	126.7	0.0	325.8

Manual Integrations
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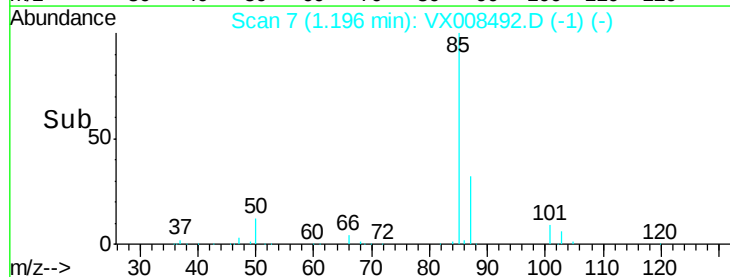
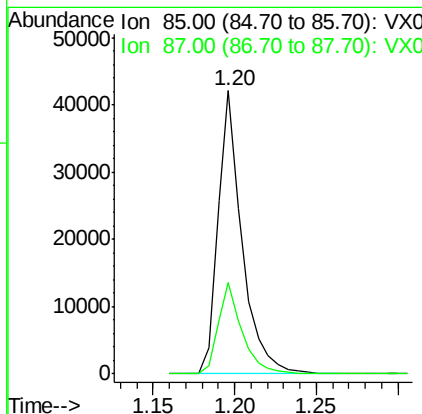
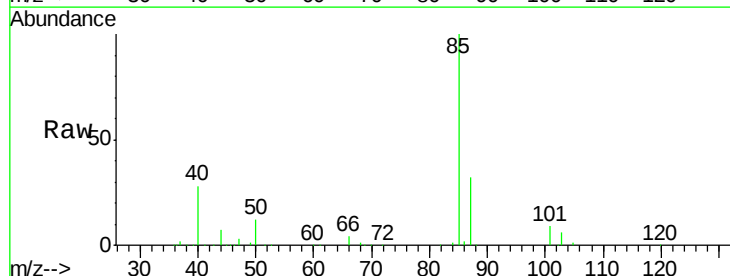
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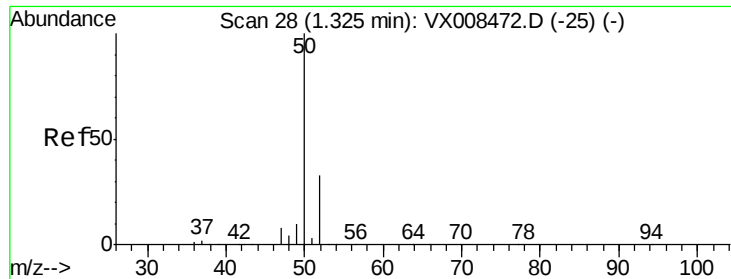


#2

Dichlorodifluoromethane
Concen: 17.976 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8





#3

Chloromethane

Concen: 19.446 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 50 Resp: 61229

Ion Ratio Lower Upper

50 100

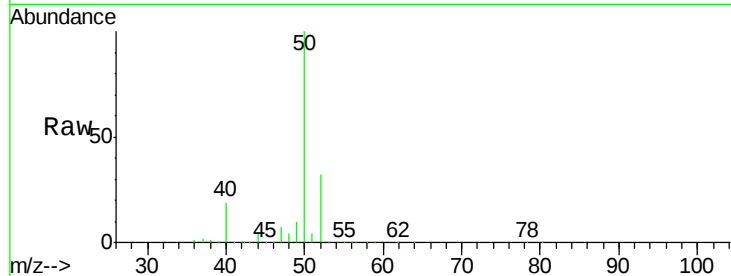
52 31.8 27.5 41.3

Manual Integrations

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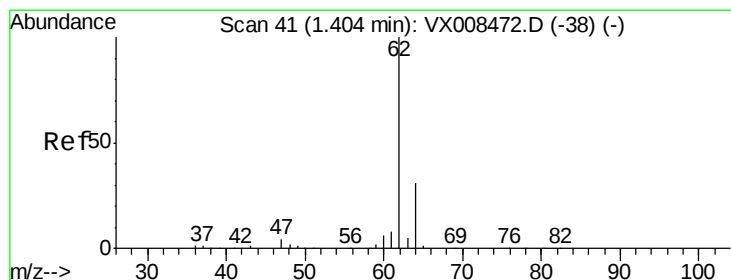
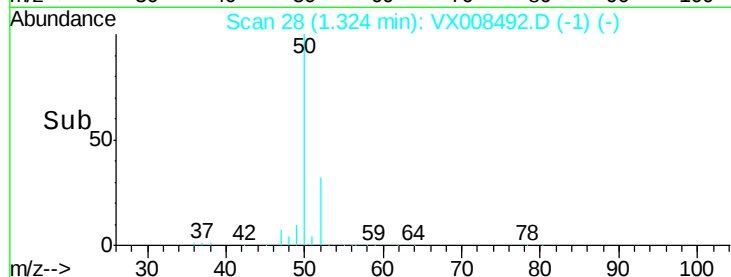
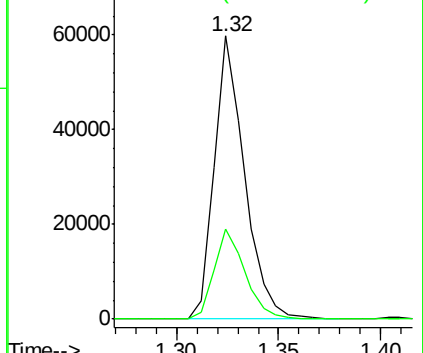
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.722 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008492.D

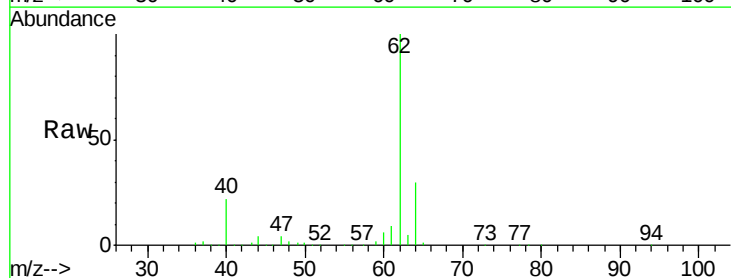
Acq: 27 Mar 2019 18:58

Tgt Ion: 62 Resp: 59420

Ion Ratio Lower Upper

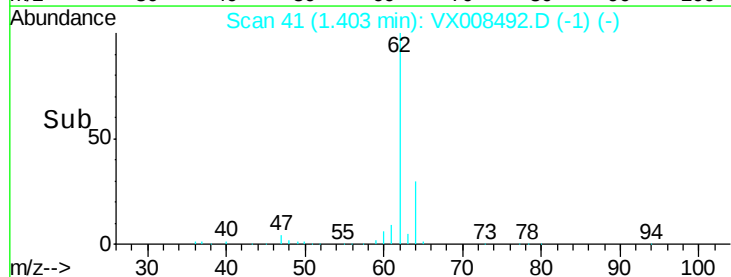
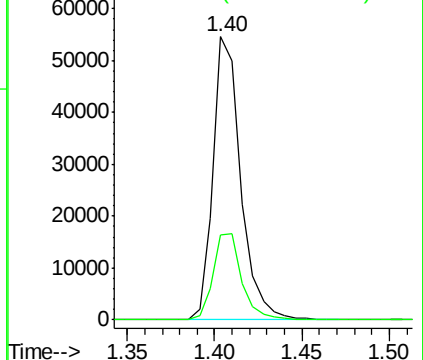
62 100

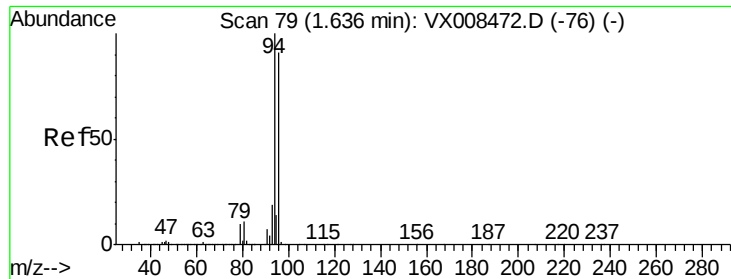
64 30.1 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 17.639 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 94 Resp: 29007

Ion Ratio Lower Upper

94 100

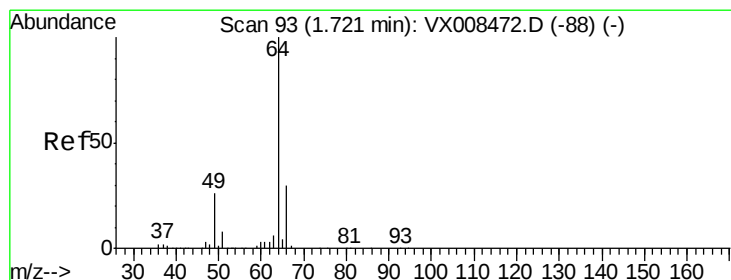
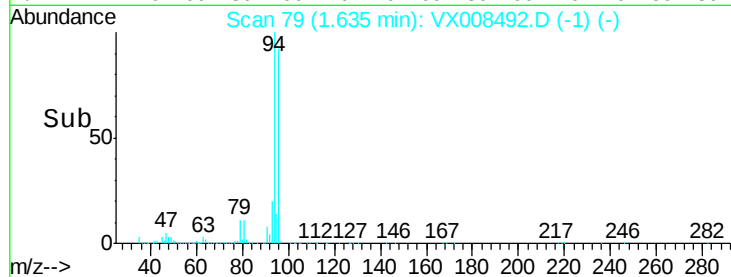
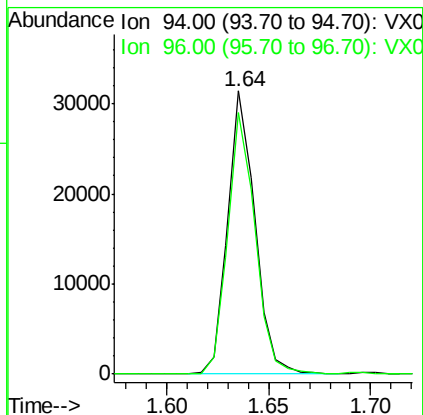
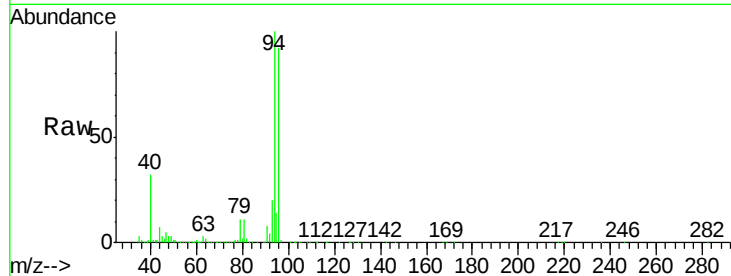
96 92.6 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 17.007 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008492.D

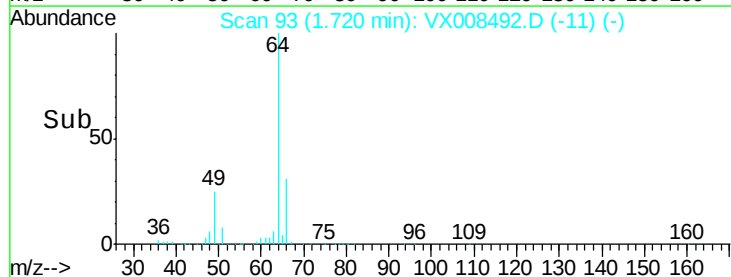
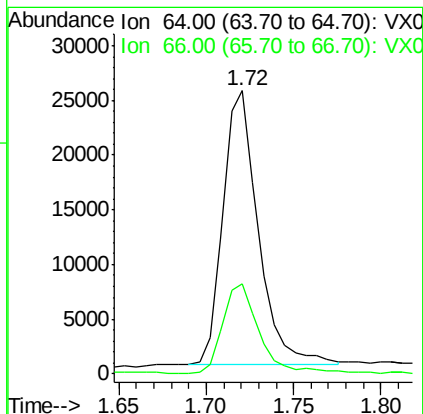
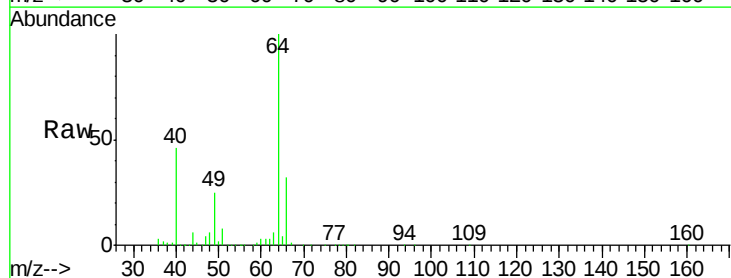
Acq: 27 Mar 2019 18:58

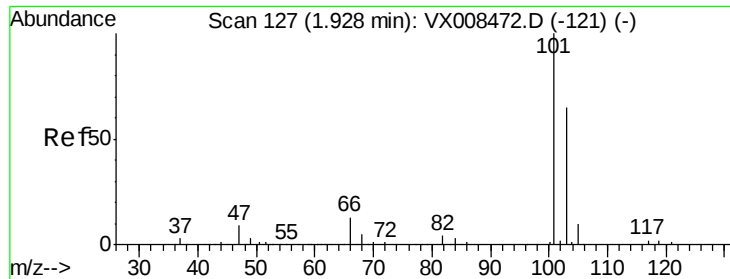
Tgt Ion: 64 Resp: 35329

Ion Ratio Lower Upper

64 100

66 32.5 23.9 35.9





#7

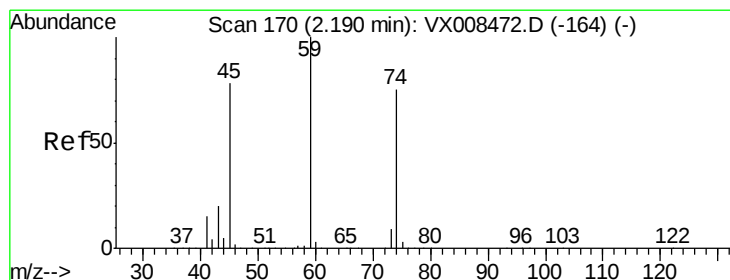
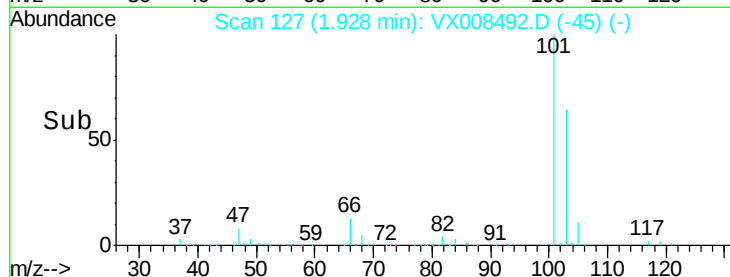
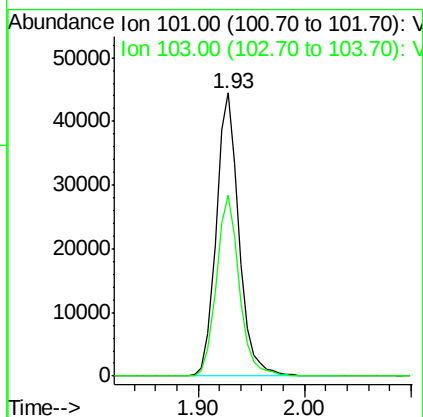
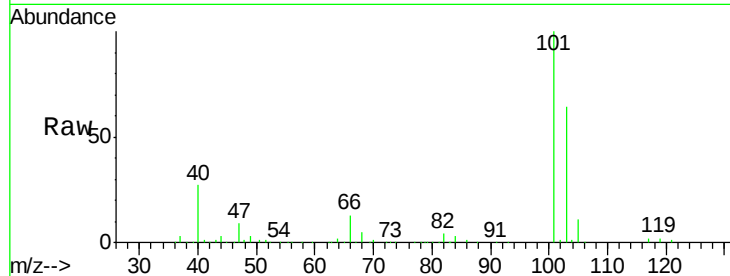
Trichlorofluoromethane
Concen: 18.594 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
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ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.4	75.6

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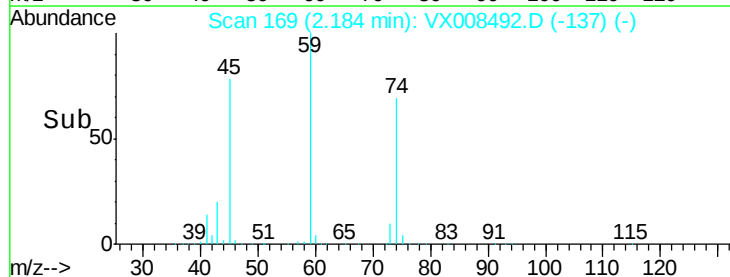
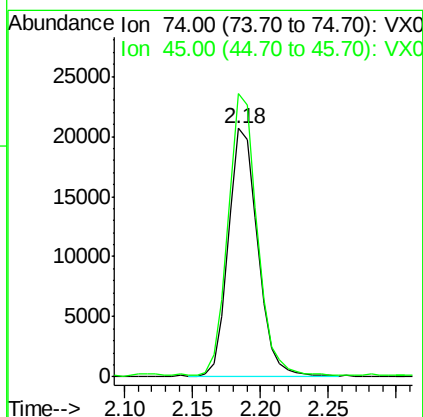
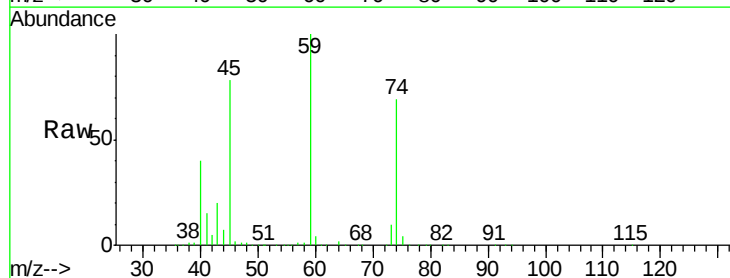
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3/28/2019 9:35:39 AM

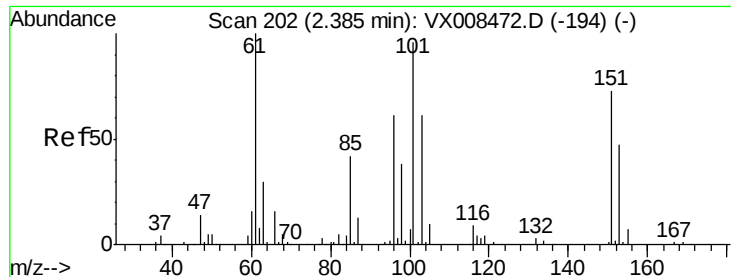


#8

Diethyl Ether
Concen: 18.843 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.7	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.084 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

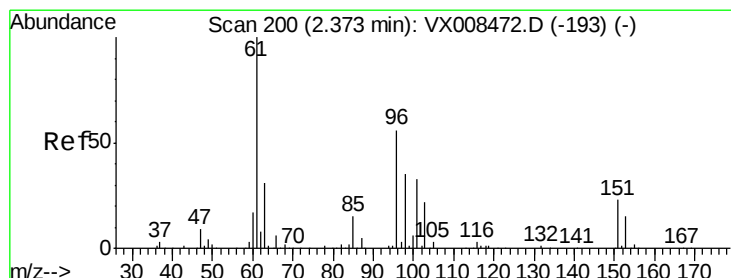
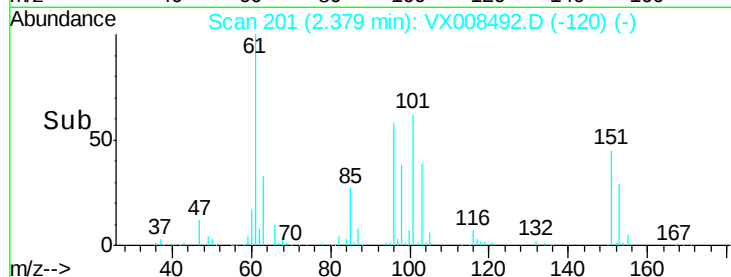
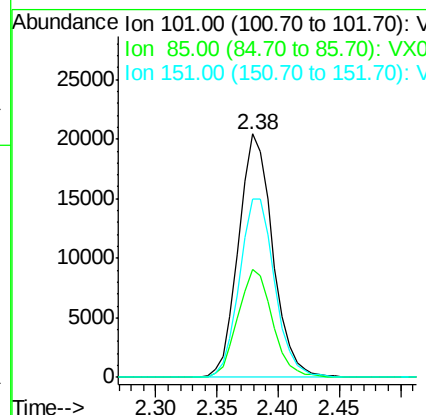
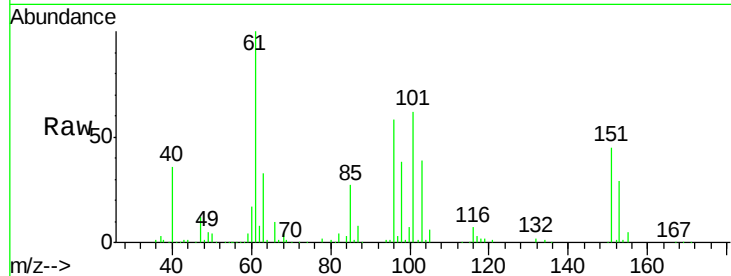
ClientSampleId :

VX0327WBSD01

Tot Ion:	101	Resp:	39672
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	86.8
151	76.0	0.0	169.2

Manual Integrations
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3/28/2019 9:35:39 AM



#10

1,1-Dichloroethene

Concen: 19.006 ug/l

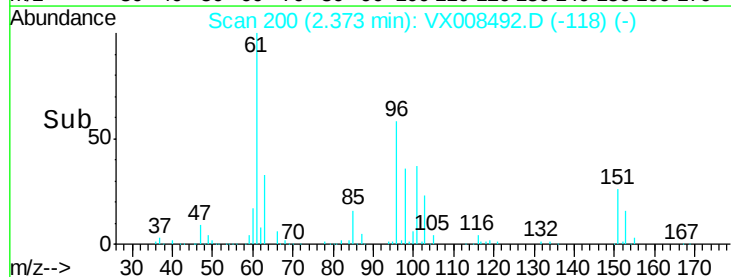
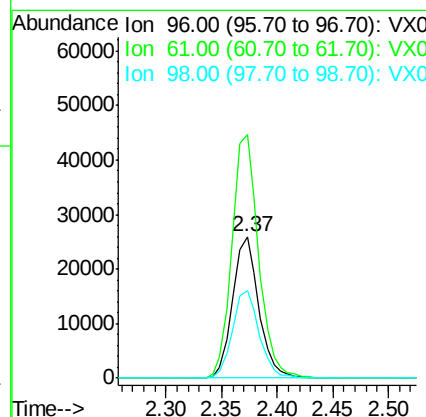
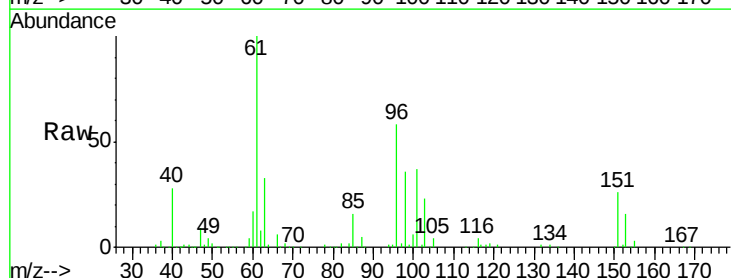
RT: 2.37 min Scan# 200

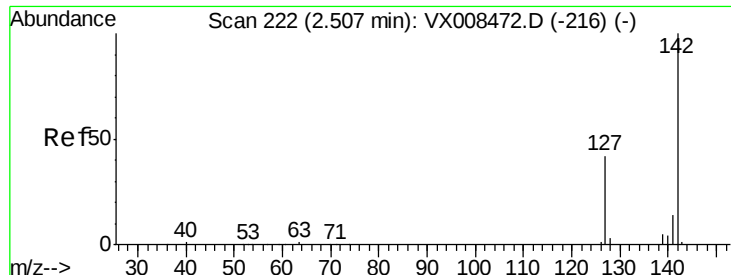
Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Tgt Ion:	96	Resp:	42300
Ion Ratio	Lower	Upper	
96	100		
61	171.7	120.2	180.2
98	61.7	49.0	73.4





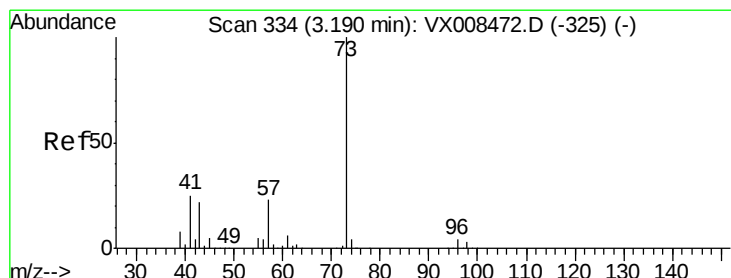
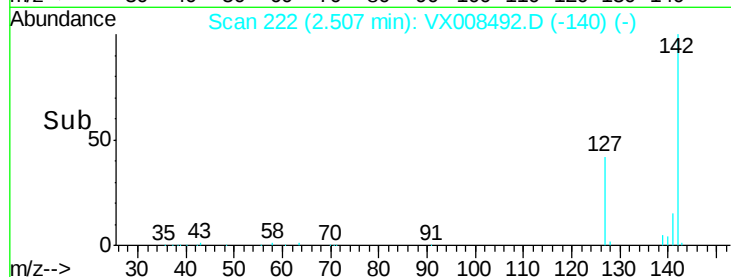
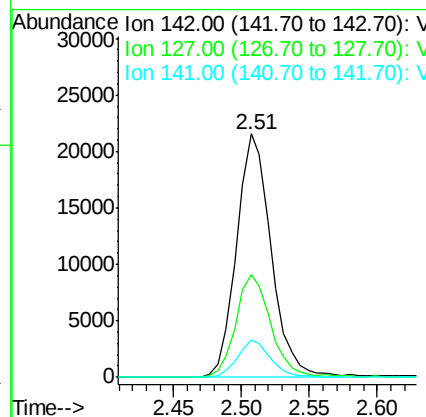
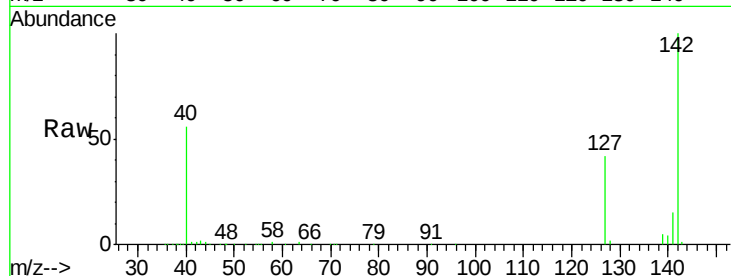
#11
Methvl Iodide
Concen: 16.643 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	22.1	66.5
141	15.6	7.4	22.3

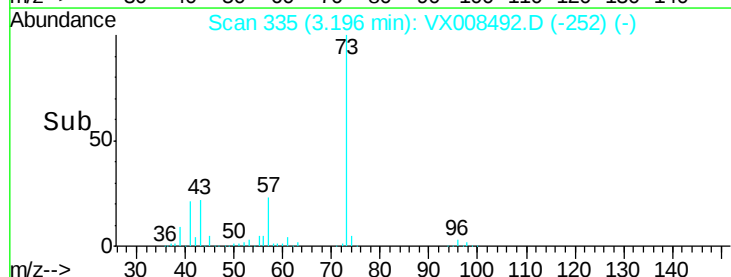
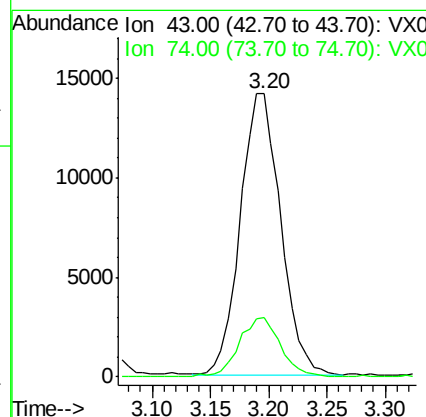
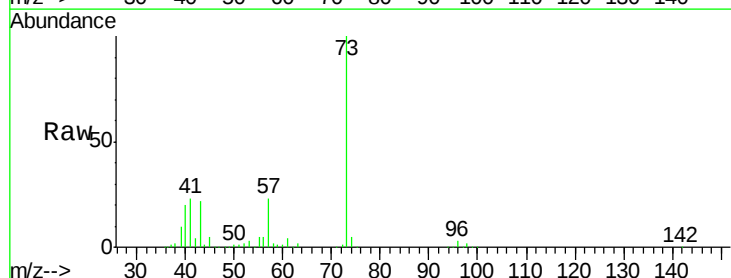
Manual Integrations
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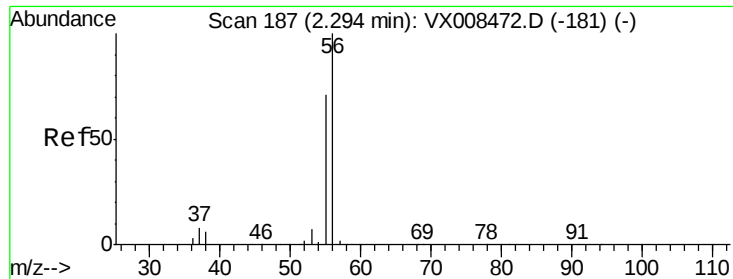
MMDadoda
3/28/2019 9:35:39 AM



#12
Methyl Acetate
Concen: 19.069 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	19.4	29.0





#13

Acrolein

Concen: 83.355 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 56 Resp: 43135

Ion Ratio Lower Upper

56 100

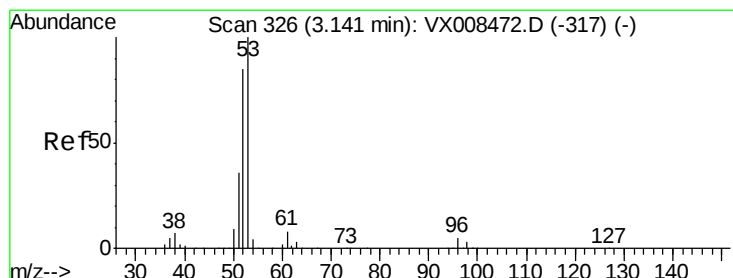
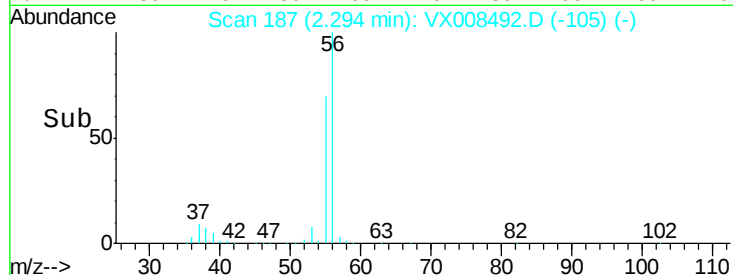
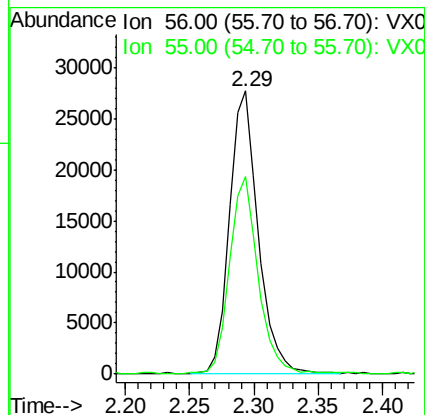
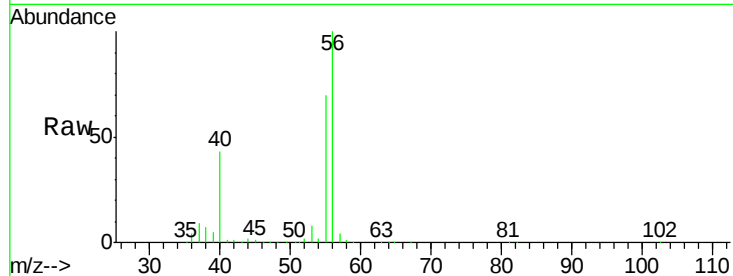
55 68.2 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 95.346 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

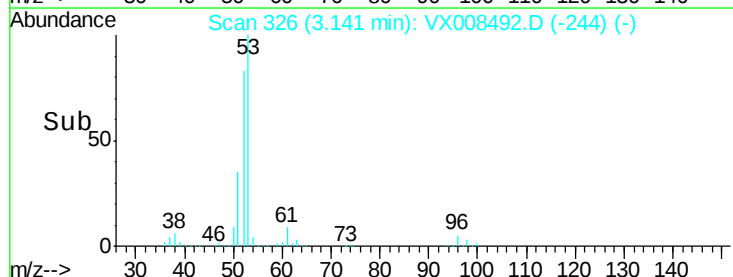
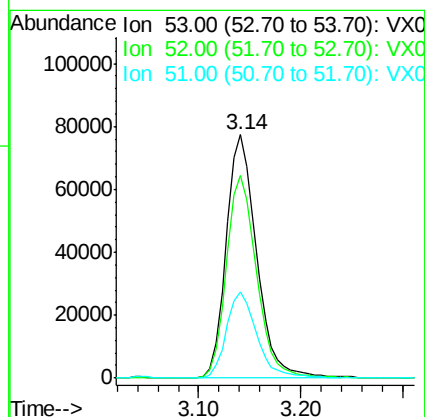
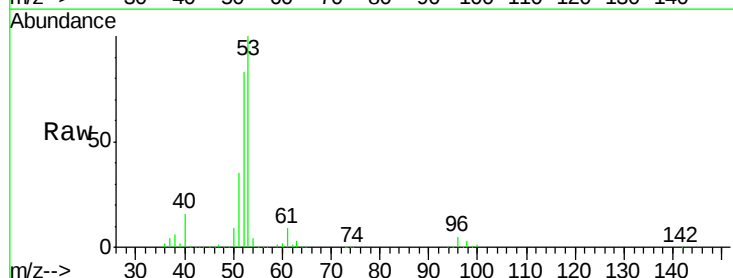
Tgt Ion: 53 Resp: 159009

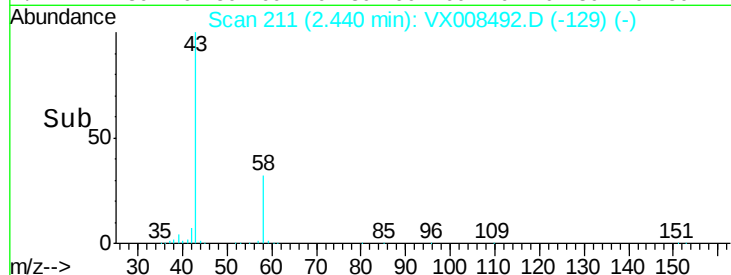
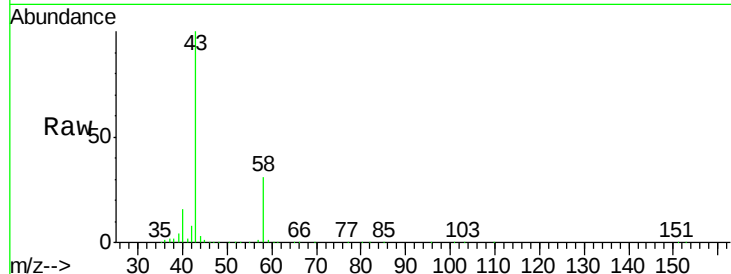
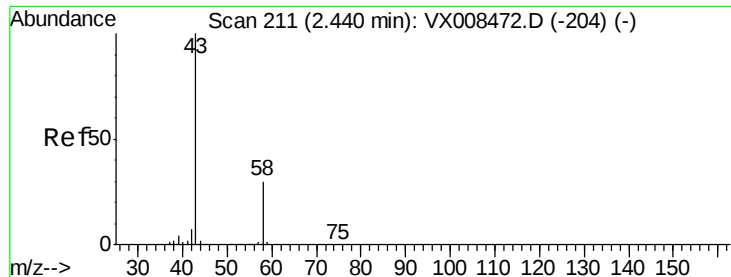
Ion Ratio Lower Upper

53 100

52 83.1 41.3 124.1

51 35.9 17.5 52.6





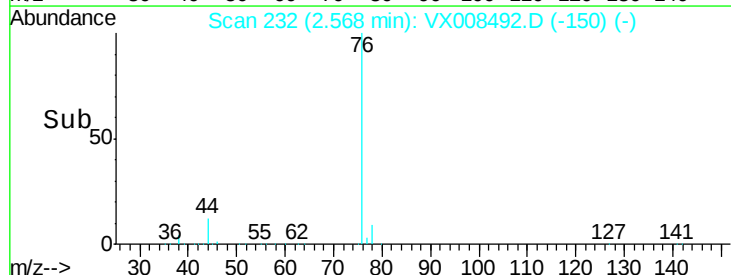
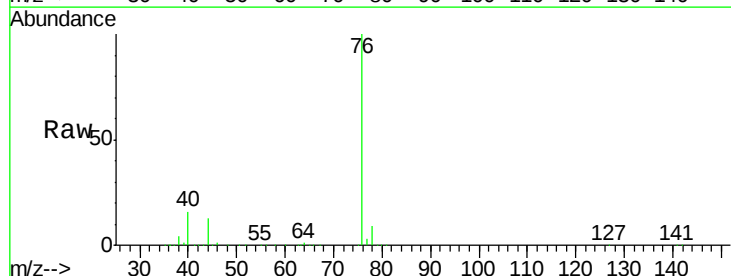
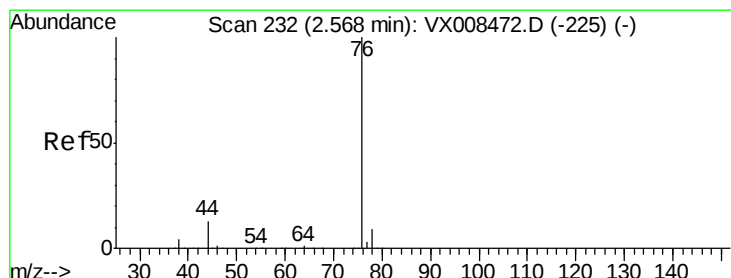
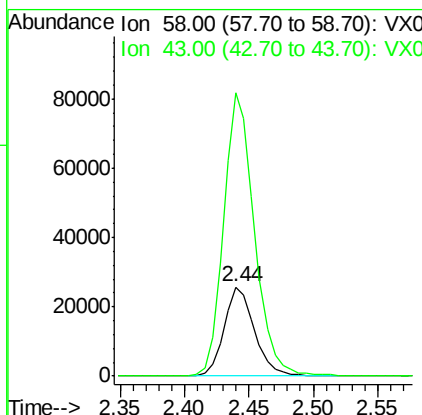
#15
Acetone
Concen: 83.088 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tot Ion	58	43	Resp	42730
Ion Ratio	100	317.3	Lower	Upper
		249.8	374.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

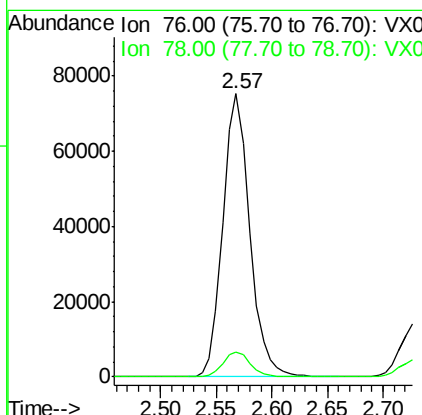
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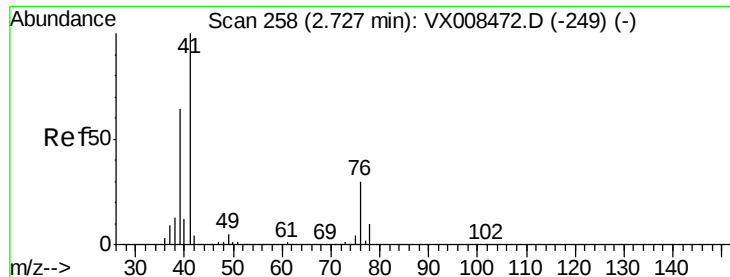
MMDadoda
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#16
Carbon Disulfide
Concen: 18.201 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	76	78	Resp	126015
Ion Ratio	100	8.6	Lower	Upper
		7.5	11.3	





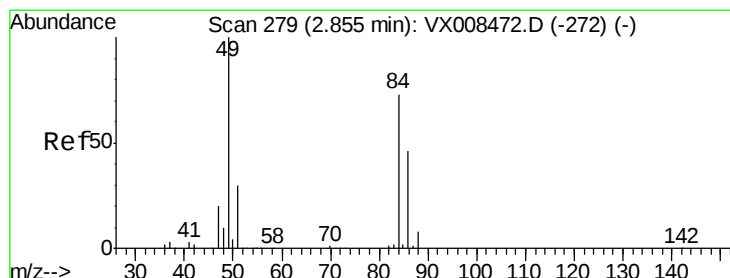
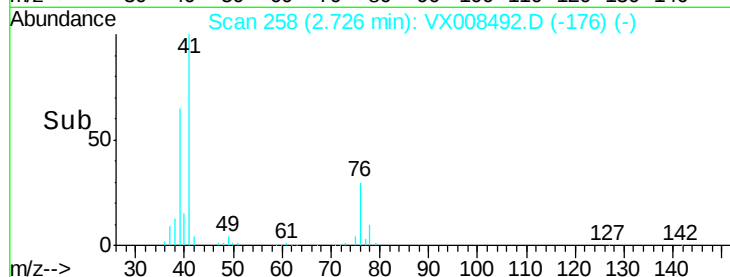
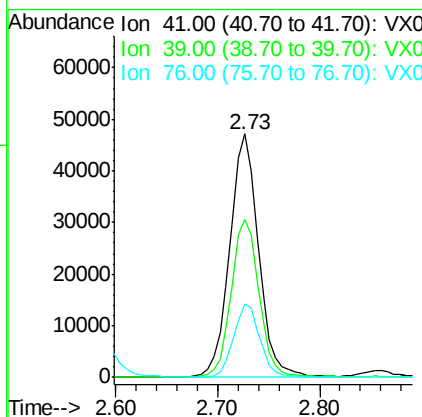
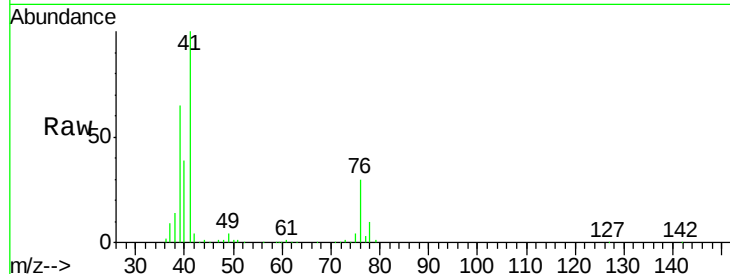
#17
Allvl chloride
Concen: 18.274 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.9	35.8	107.4
76	30.1	18.3	54.9

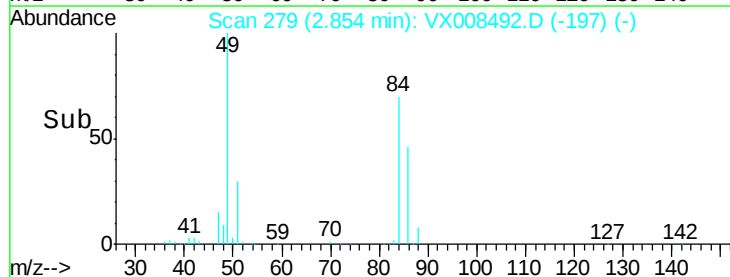
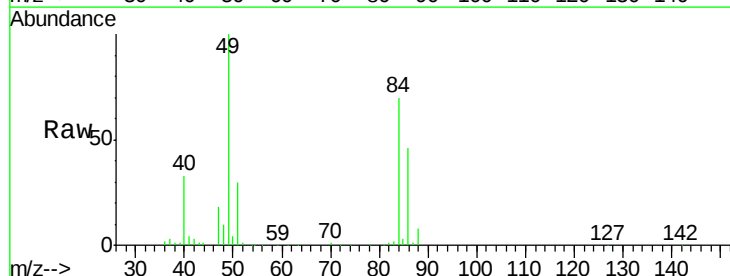
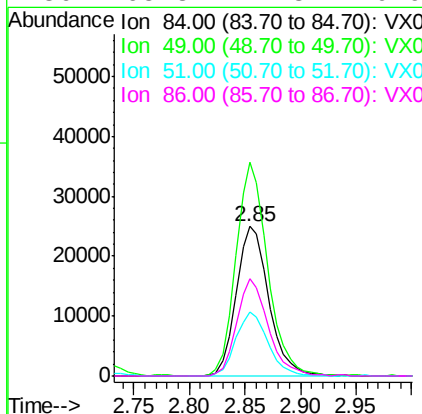
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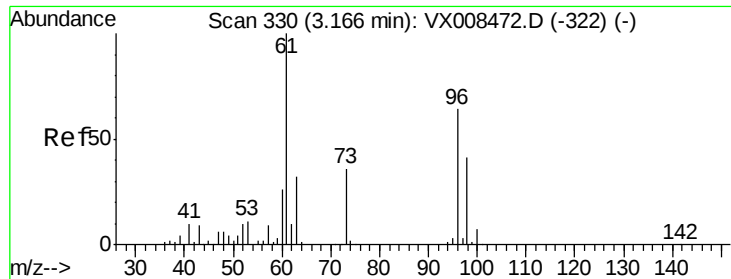
MMDadoda
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#18
Methylene Chloride
Concen: 19.014 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	96.1	144.1
51	42.7	29.1	43.7
86	65.3	47.3	70.9





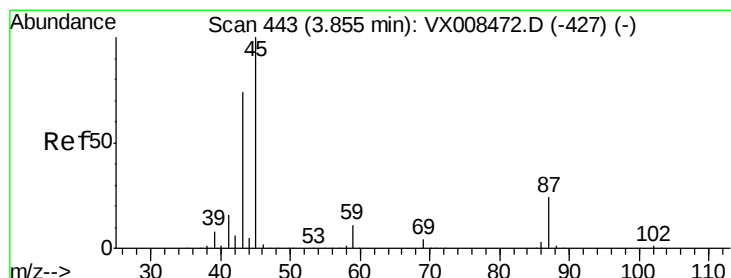
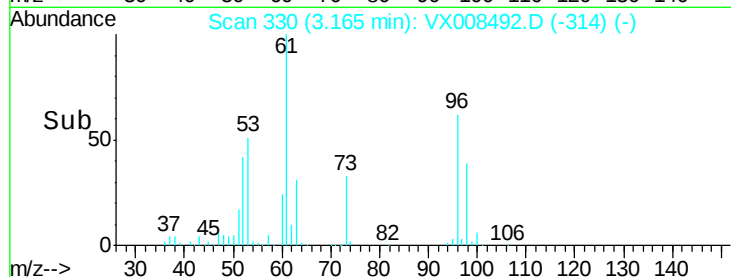
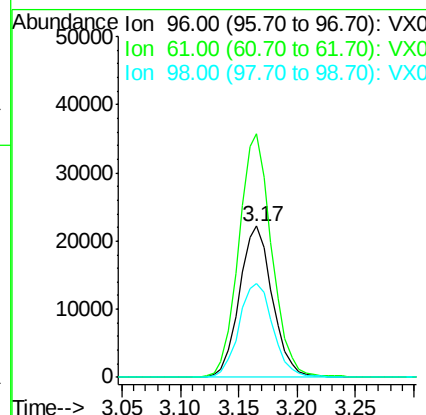
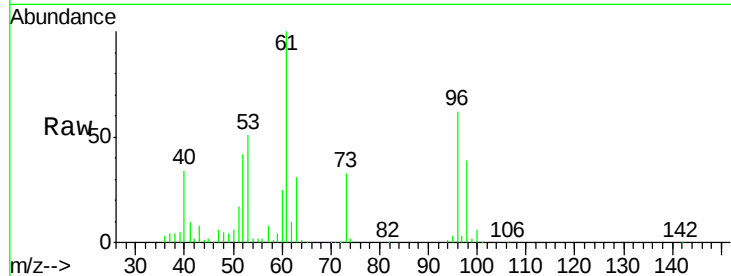
#19
trans-1,2-Dichloroethene
Concen: 18.505 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	160.9	109.9	164.9	
98	62.4	50.4	75.6	

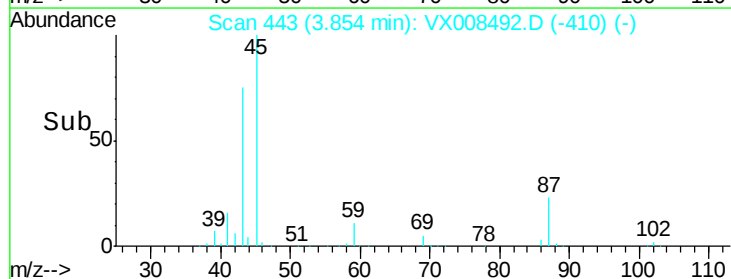
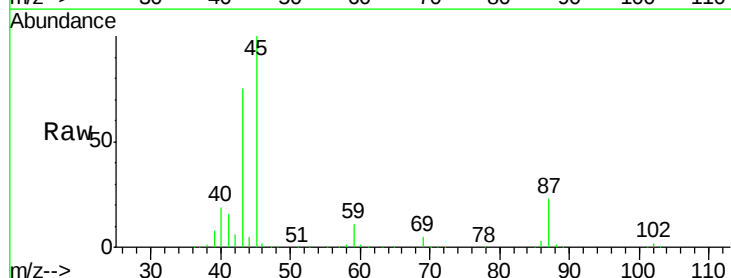
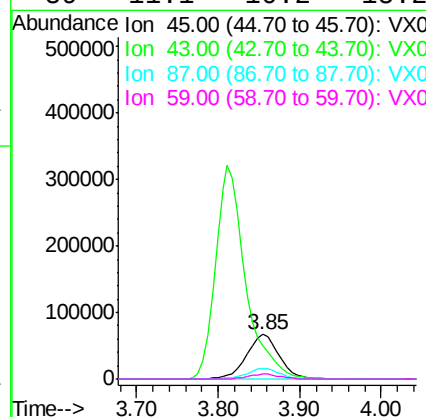
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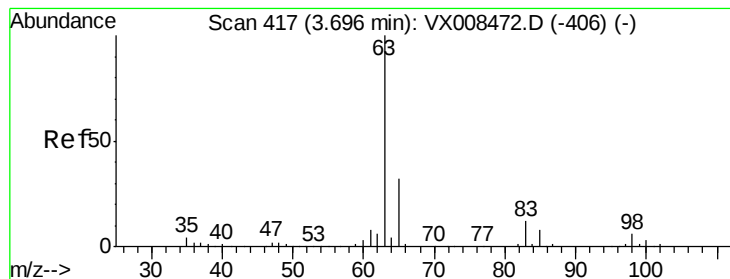
MMDadoda
3/28/2019 9:35:39 AM



#20
Diisopropyl ether
Concen: 19.057 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	74.0	50.6	76.0	
87	22.9	24.5	36.7#	
59	11.1	10.2	15.2	





#21

1,1-Dichloroethane

Concen: 18.936 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

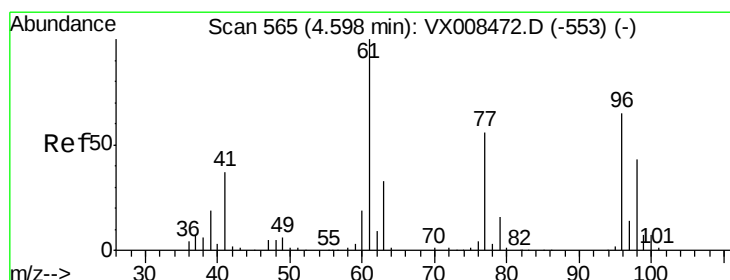
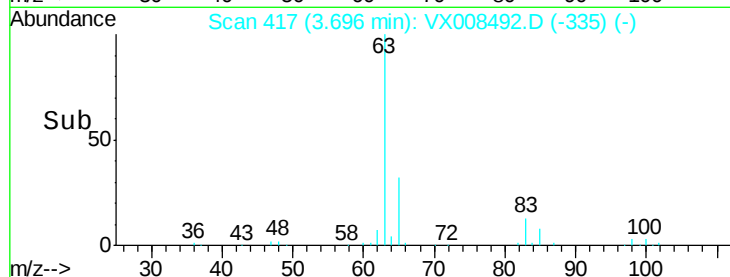
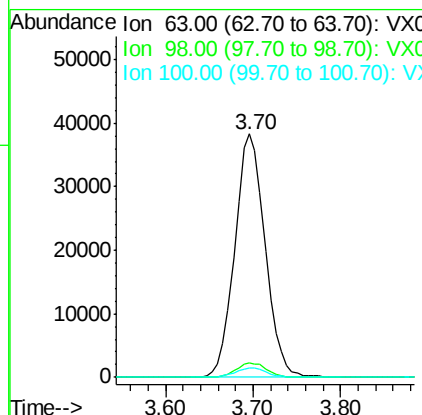
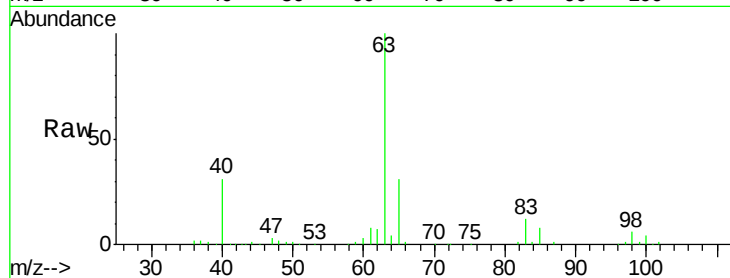
ClientSampleId :

VX0327WBSD01

Tot Ion:	63	Resp:	92534
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.8	11.4
100	4.0	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 18.490 ug/l

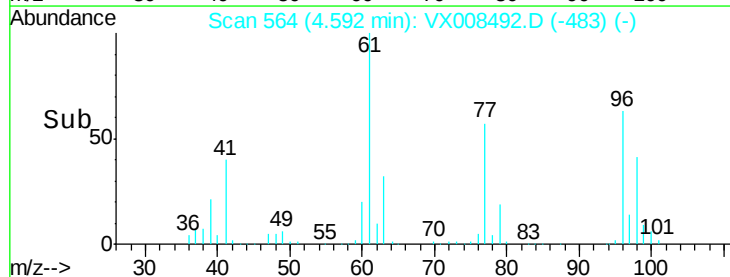
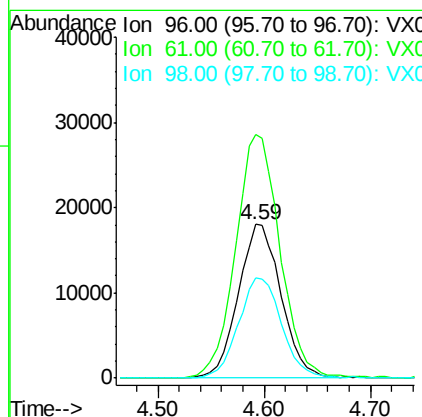
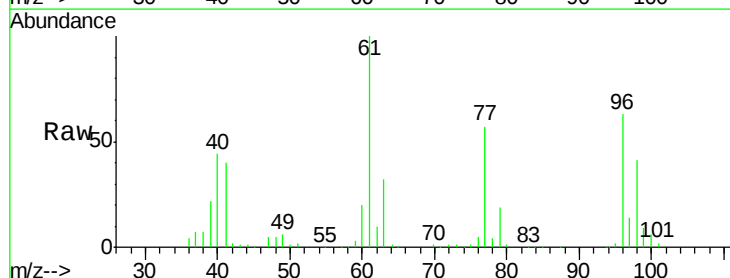
RT: 4.59 min Scan# 564

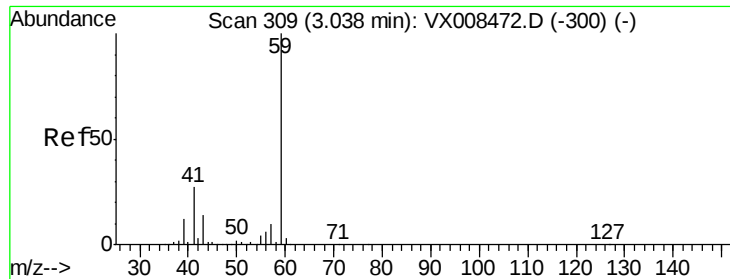
Delta R.T. -0.01 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Tgt Ion:	96	Resp:	50804
Ion	Ratio	Lower	Upper
96	100		
61	163.4	103.5	155.3#
98	65.9	52.1	78.1





#23

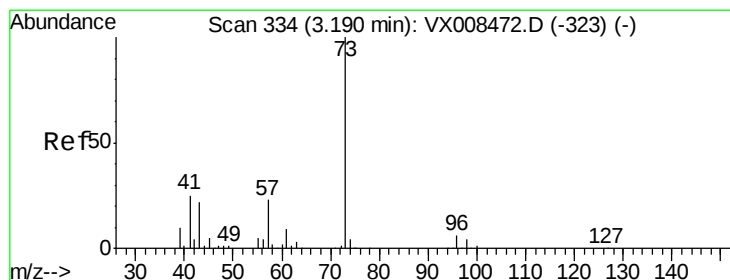
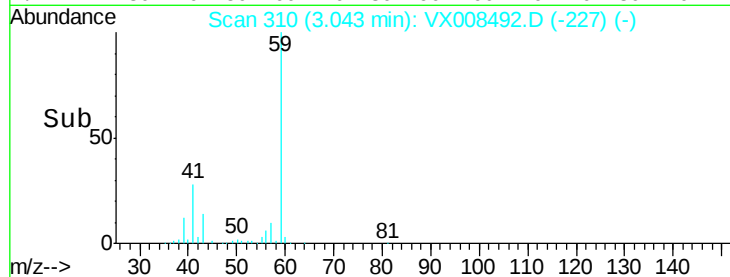
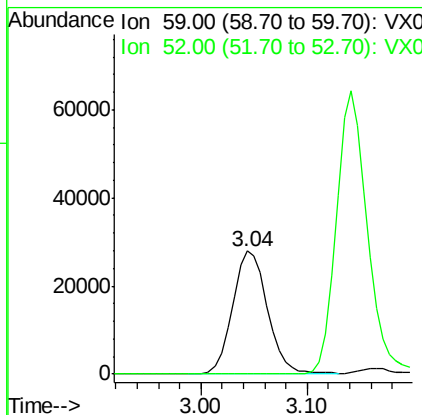
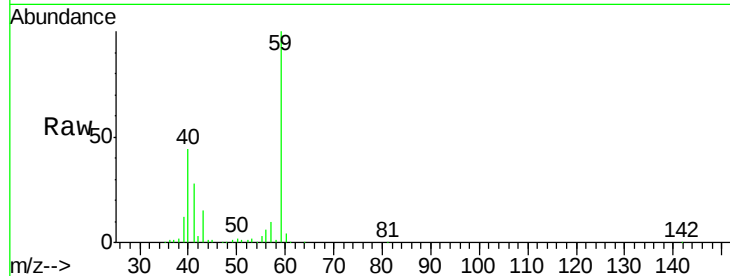
tert-Butyl Alcohol
 Concen: 95.703 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion	59	Resp	64449
Ion Ratio	100	Lower	Upper
52	0.2	0.2	0.2

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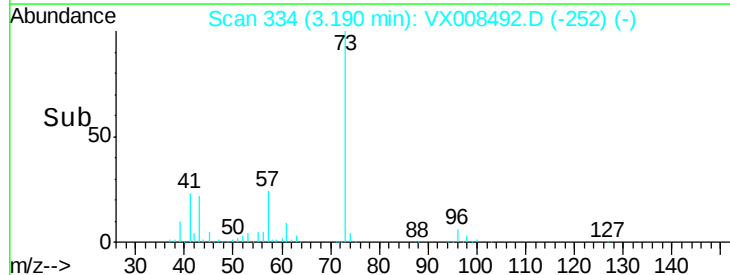
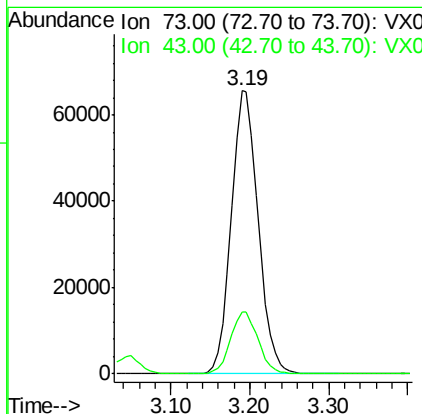
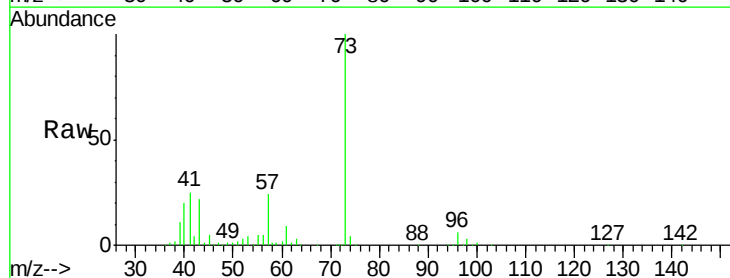
MMDadoda
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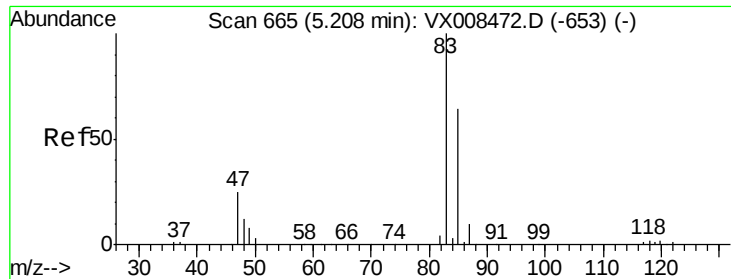


#24

Methyl tert-Butyl Ether
 Concen: 19.086 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion	73	Resp	156115
Ion Ratio	100	Lower	Upper
43	22.0	17.1	25.7





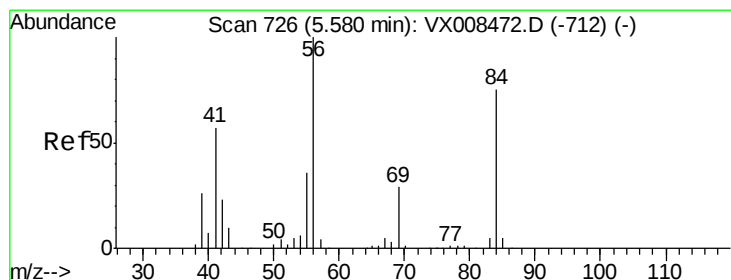
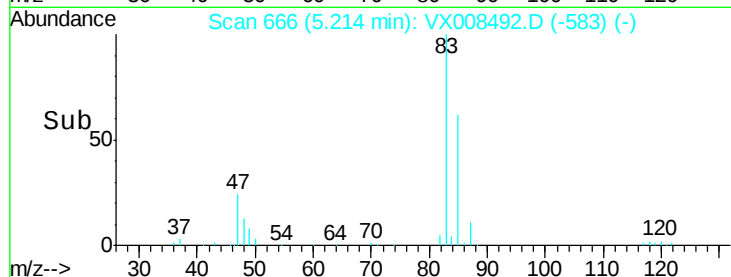
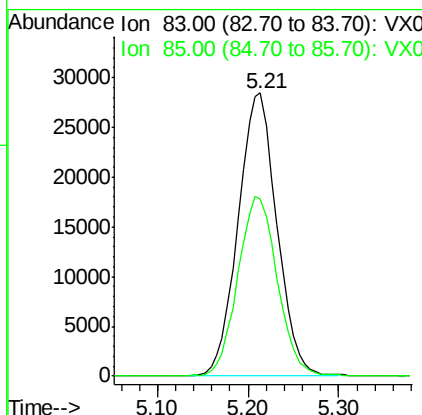
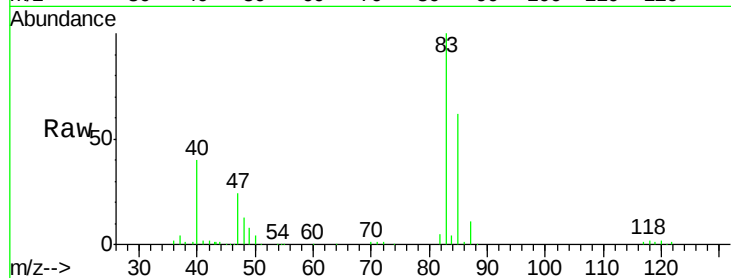
#25
Chloroform
Concen: 19.041 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion: 83 Resp: 84286
Ion Ratio Lower Upper
83 100
85 62.4 53.8 80.6

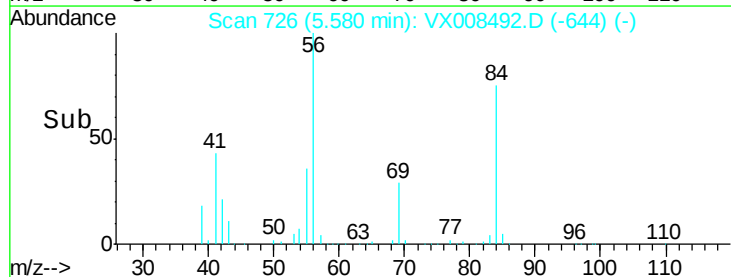
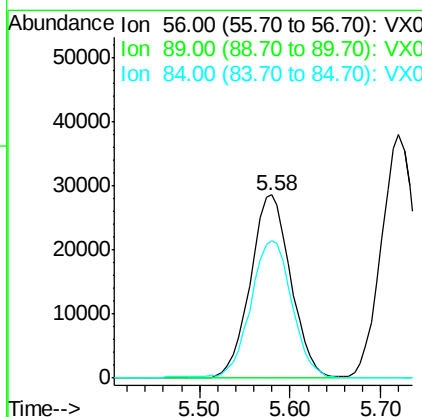
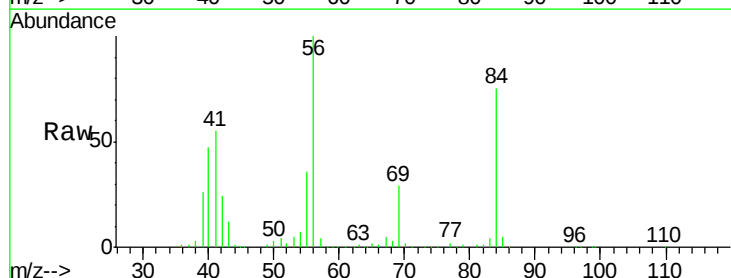
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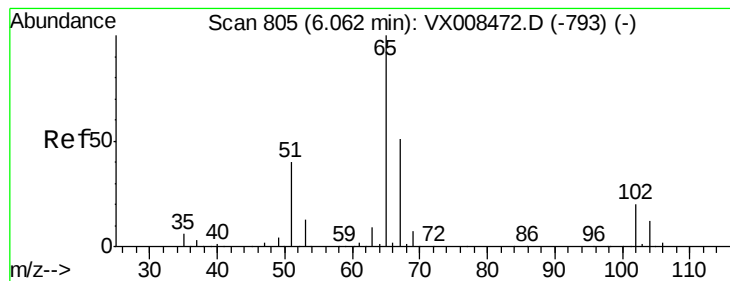
MMDadoda
3/28/2019 9:35:39 AM



#26
Cyclohexane
Concen: 18.579 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion: 56 Resp: 88202
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.2 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.063 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampled :

VX0327WBSD01

Tot Ion: 65 Resp: 85446

Ion Ratio Lower Upper

65 100

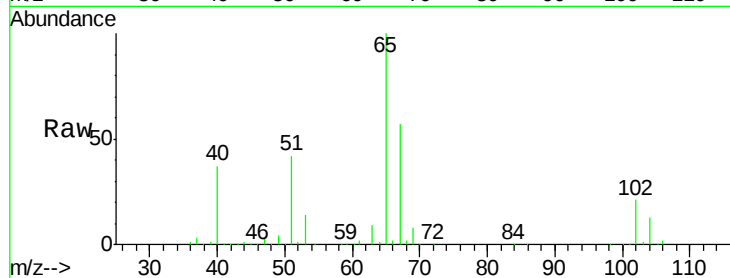
67 54.2 42.9 64.3

Manual Integrations

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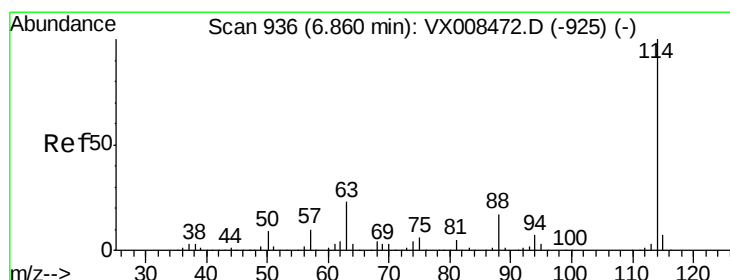
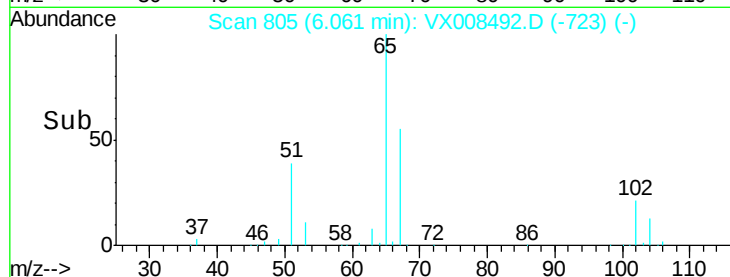
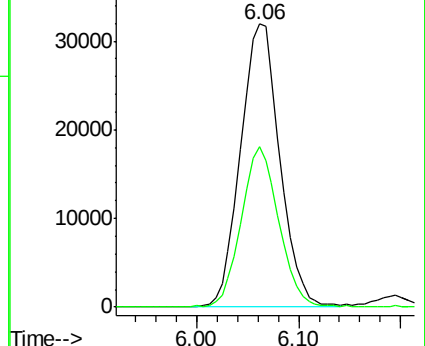
MMDadoda

3/28/2019 9:35:39 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

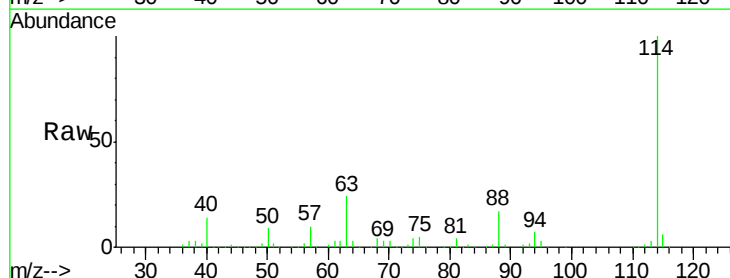
Tgt Ion: 114 Resp: 199359

Ion Ratio Lower Upper

114 100

63 23.4 14.2 21.4#

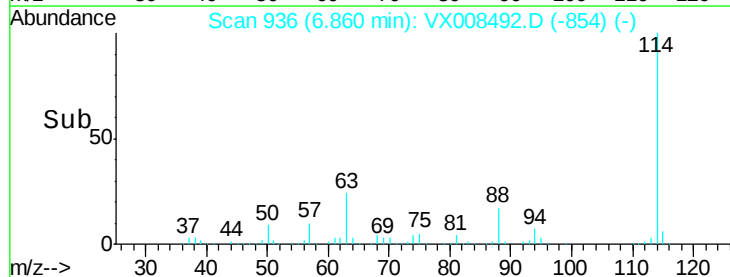
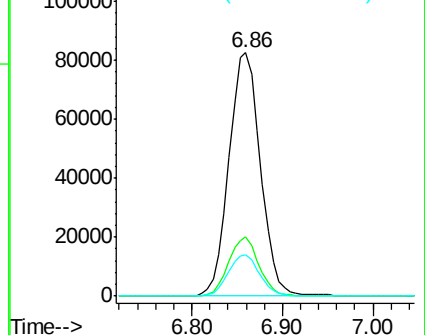
88 16.9 11.9 17.9

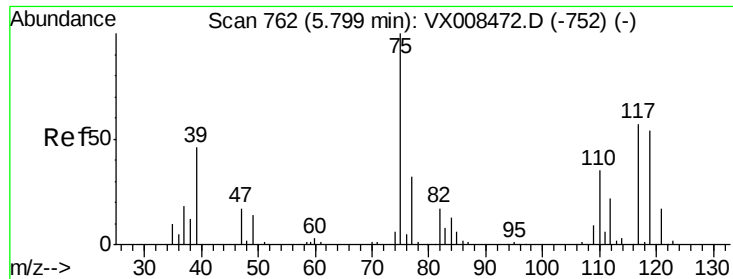


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





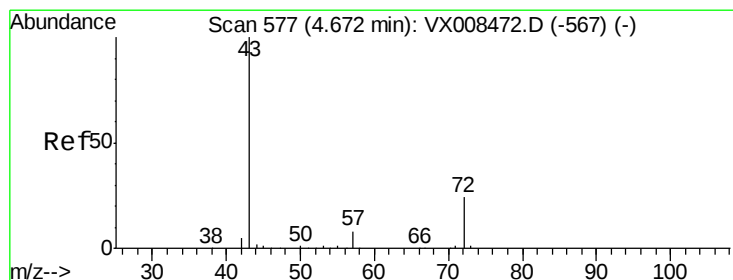
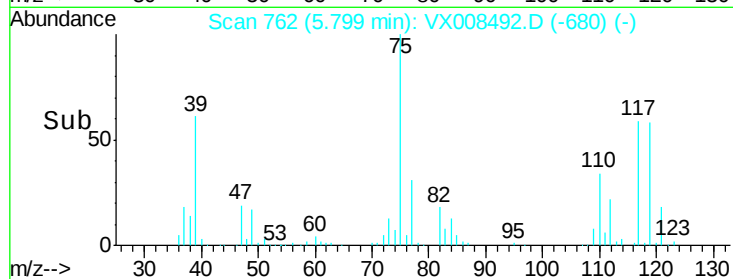
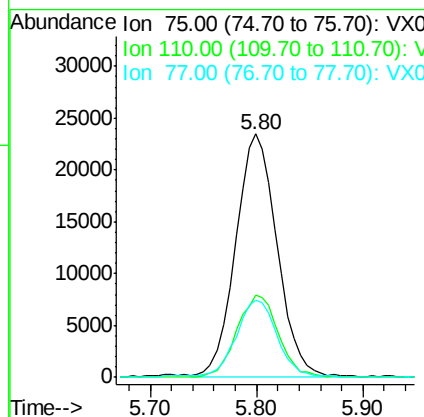
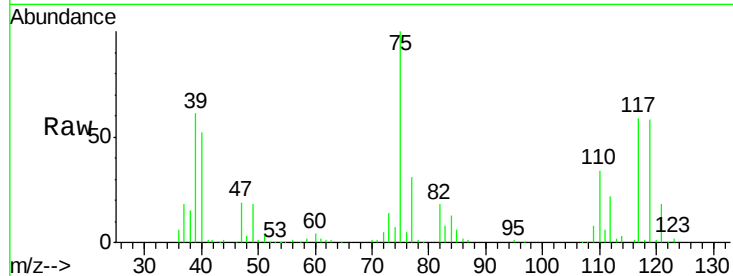
#29
 1,1-Dichloropropene
 Concen: 19.143 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	80.8
77	31.2	0.0	62.4

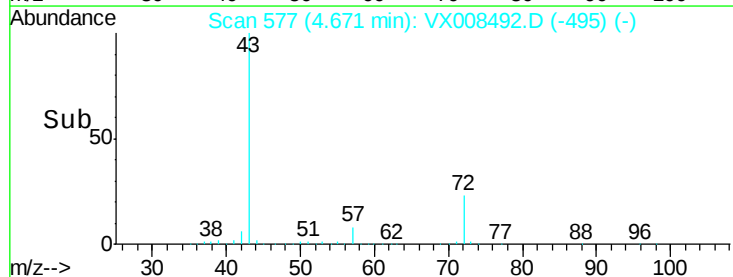
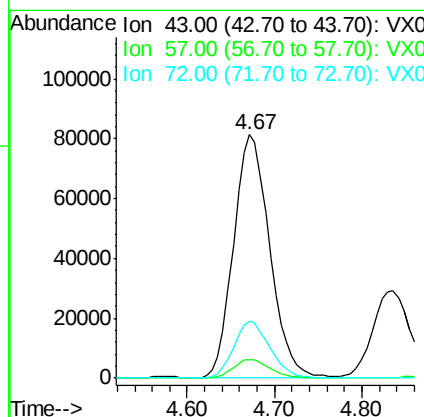
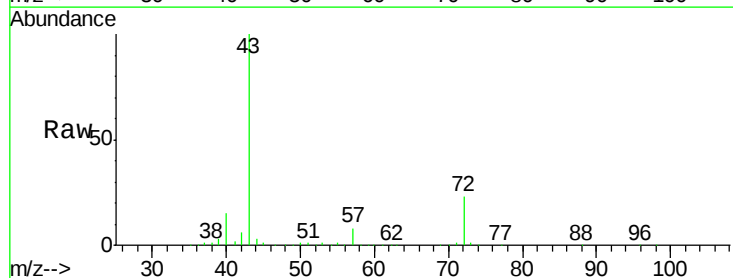
Manual Integrations
 APPROVED

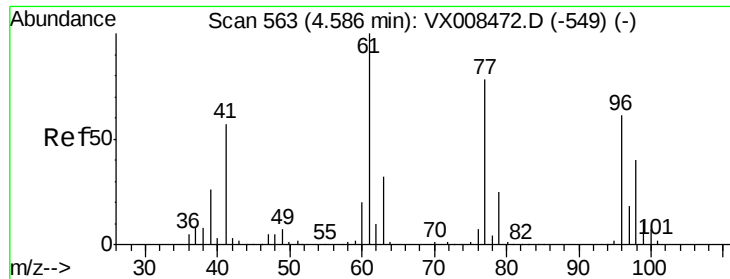
MMDadoda
 3/28/2019 9:35:39 AM



#30
 2-Butanone
 Concen: 94.310 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	7.0	10.6
72	23.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 16.714 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 77 Resp: 55989

Ion Ratio Lower Upper

77 100

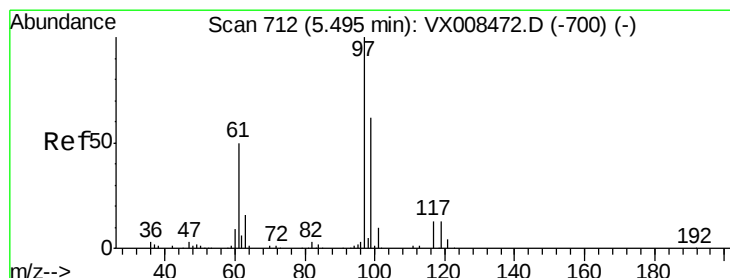
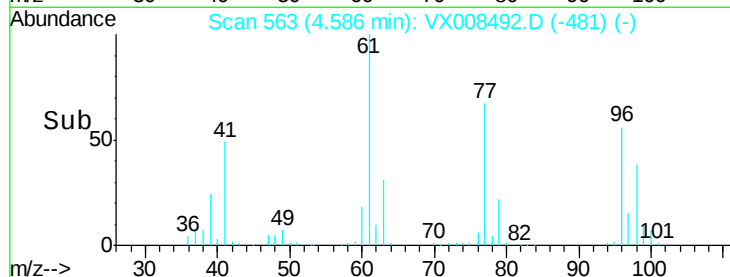
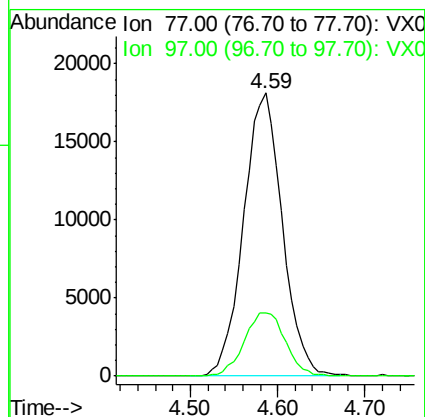
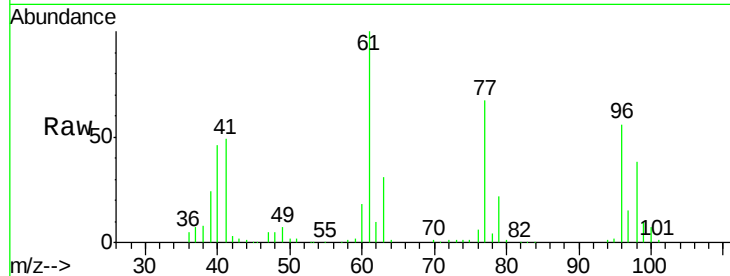
97 23.9 20.6 31.0

Manual Integrations

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3/28/2019 9:35:39 AM



#32

1,1,1-Trichloroethane

Concen: 19.204 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

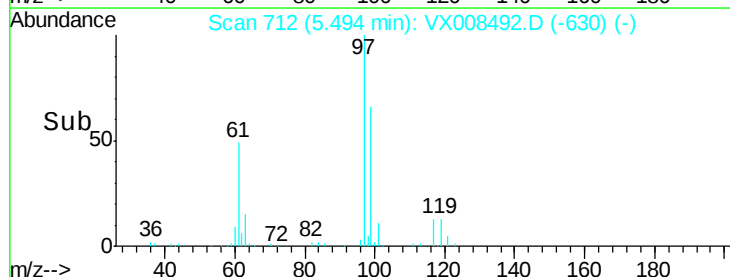
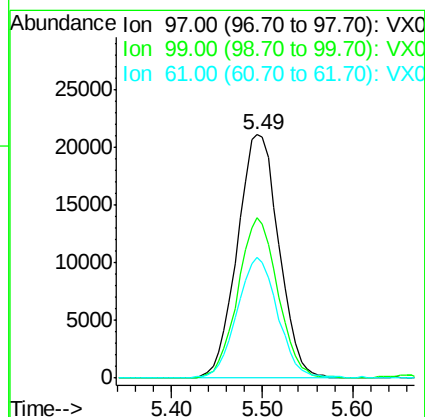
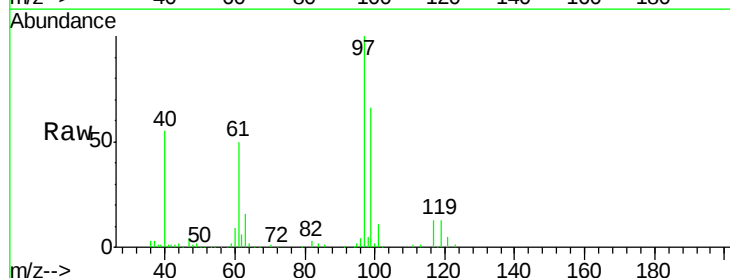
Tgt Ion: 97 Resp: 66886

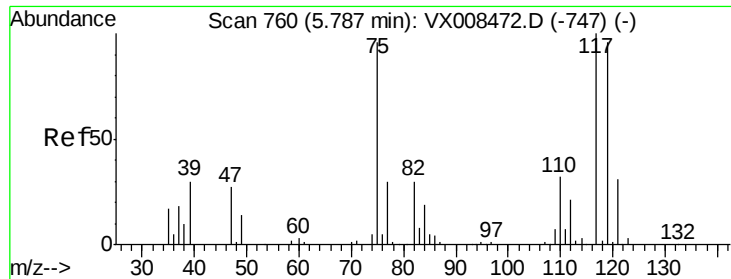
Ion Ratio Lower Upper

97 100

99 63.4 51.7 77.5

61 48.3 32.8 49.2





#33

Carbon Tetrachloride

Concen: 18.594 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

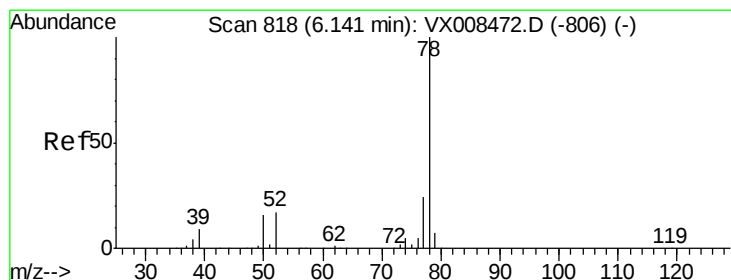
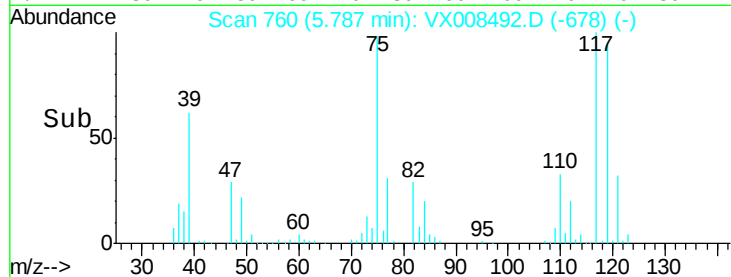
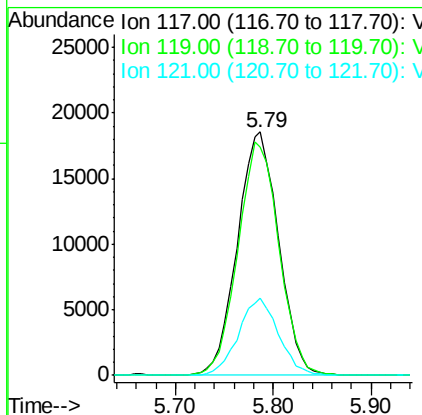
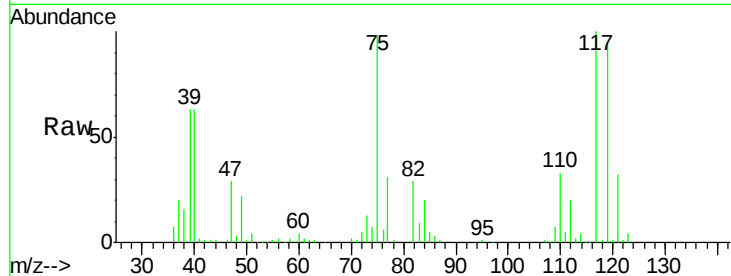
ClientSampleId :

VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.1	117.1
121	31.7	27.0	40.6

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#34

Benzene

Concen: 19.476 ug/l

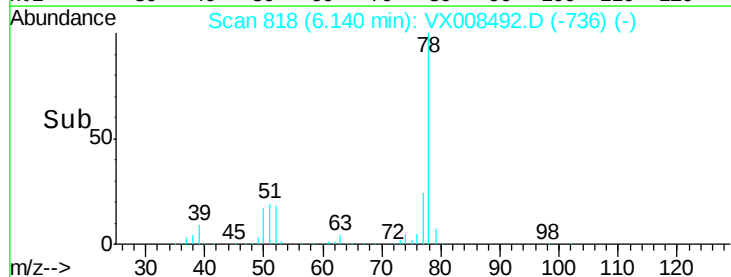
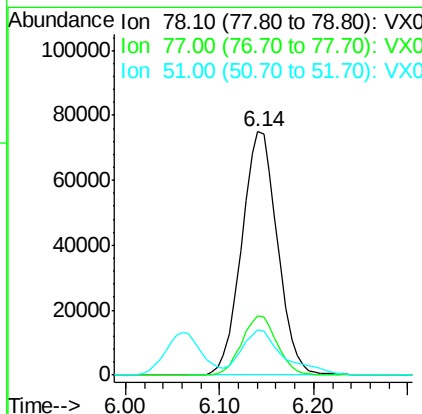
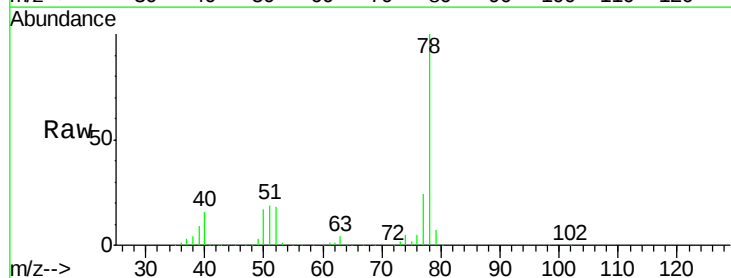
RT: 6.14 min Scan# 818

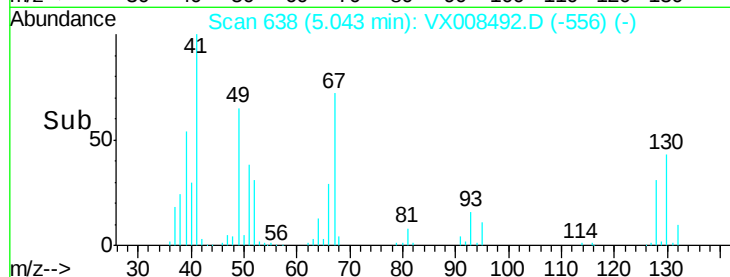
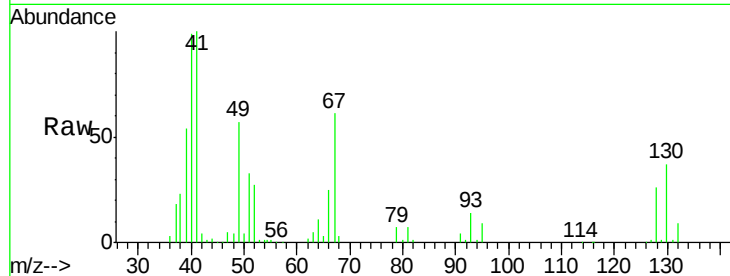
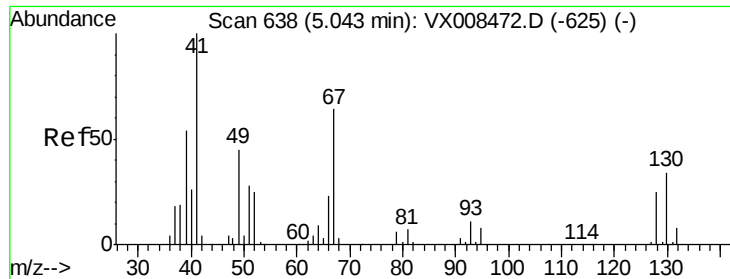
Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7
51	17.8	10.8	16.2#





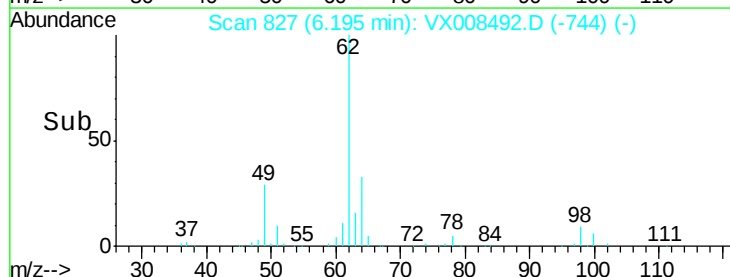
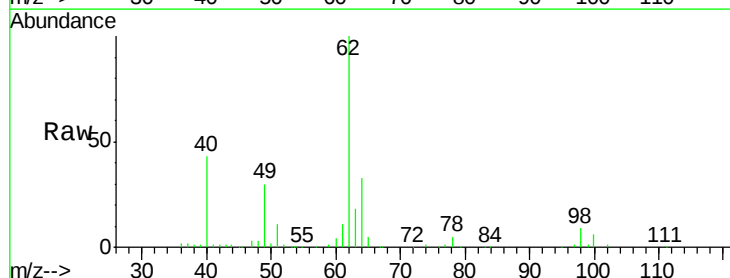
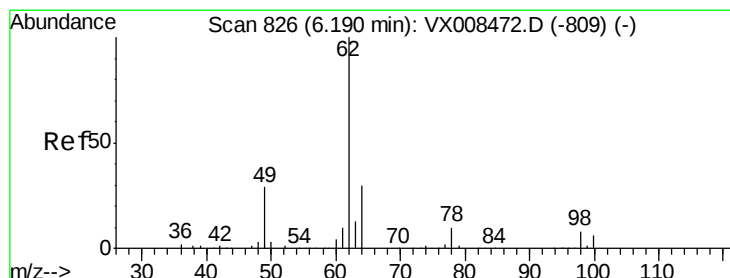
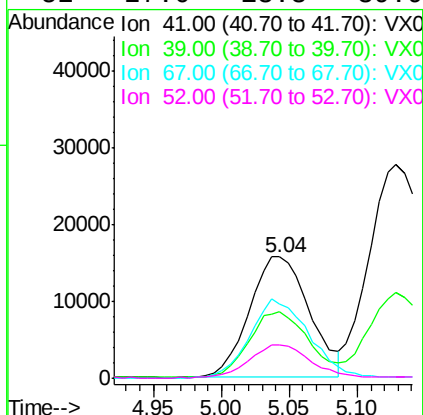
#35
Methacrylonitrile
Concen: 19.383 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	27.4	82.0	
67	61.3	37.9	113.6	
52	27.0	13.3	39.9	

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

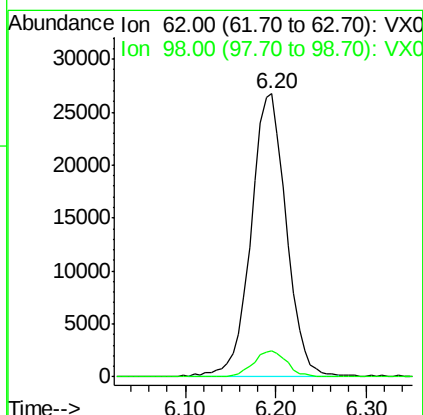
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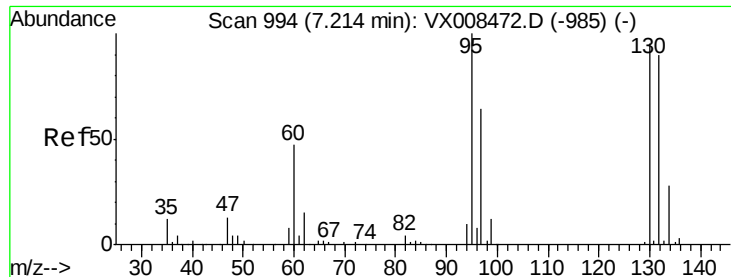
MMDadoda
3/28/2019 9:35:39 AM



#36
1,2-Dichloroethane
Concen: 19.543 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	7.8	11.8	





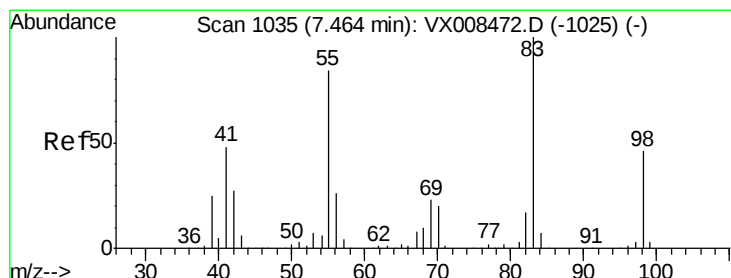
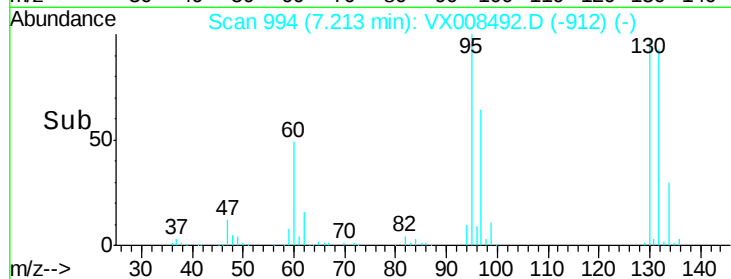
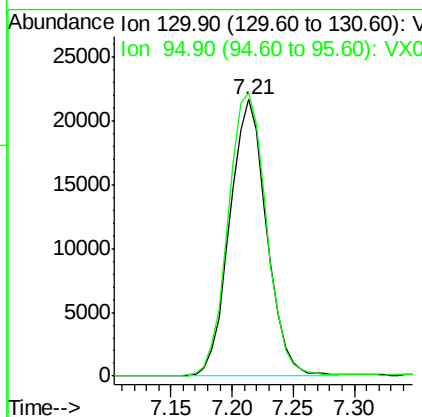
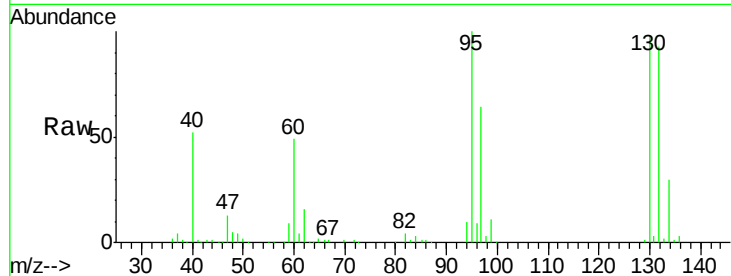
#37
 Trichloroethene
 Concen: 19.247 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion:130 Resp: 45380
 Ion Ratio Lower Upper
 130 100
 95 101.8 71.3 106.9

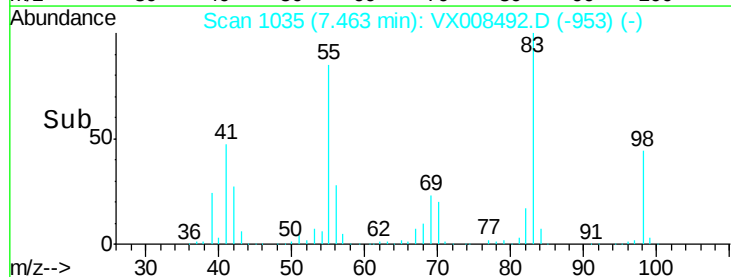
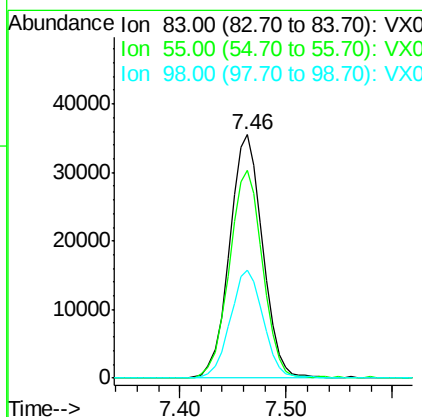
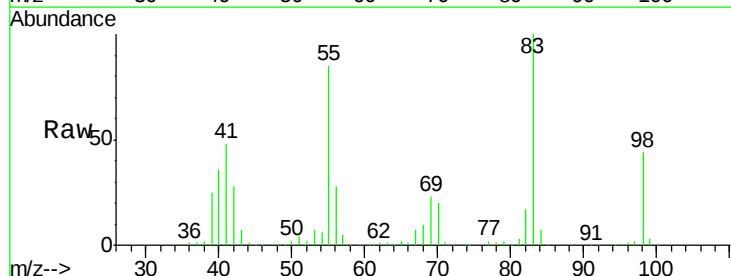
Manual Integrations
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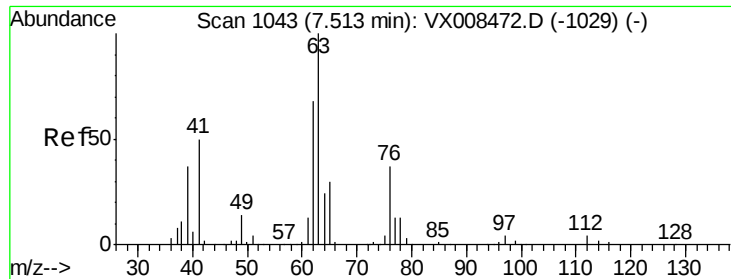
MMDadoda
 3/28/2019 9:35:39 AM



#38
 Methylcyclohexane
 Concen: 18.304 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion: 83 Resp: 77355
 Ion Ratio Lower Upper
 83 100
 55 85.9 36.0 108.0
 98 44.3 23.8 71.4





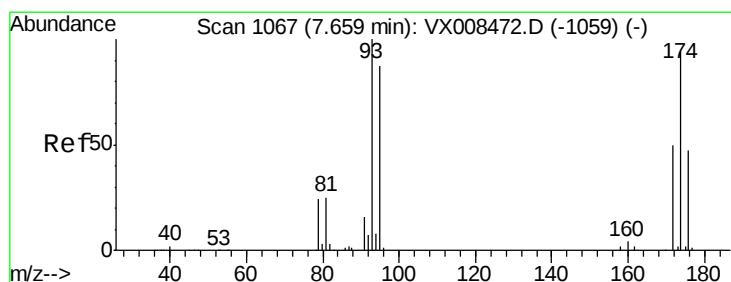
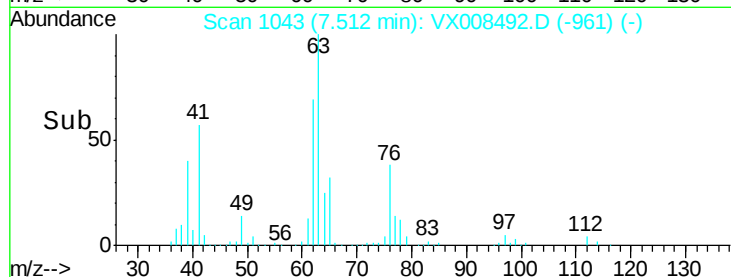
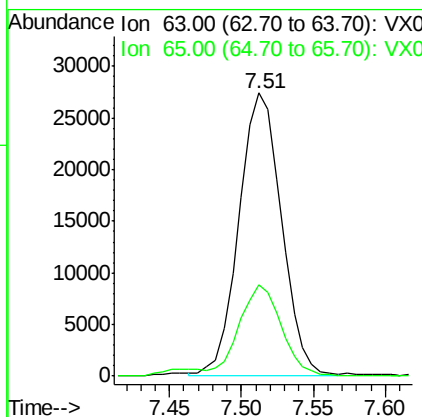
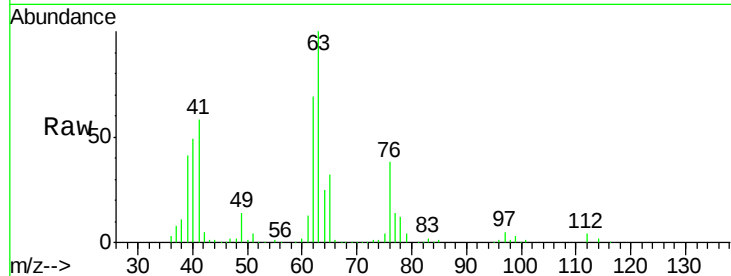
#39
 1,2-Dichloropropane
 Concen: 19.378 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion: 63 Resp: 56349
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.6 37.0

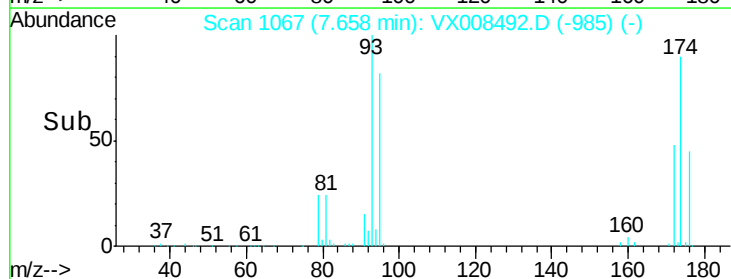
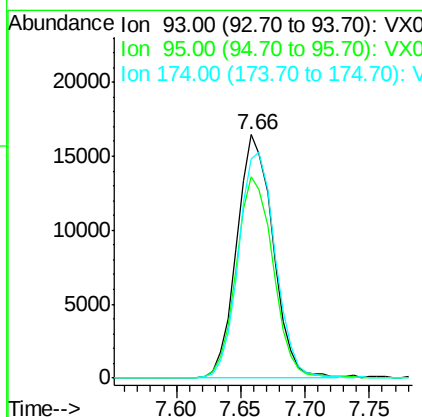
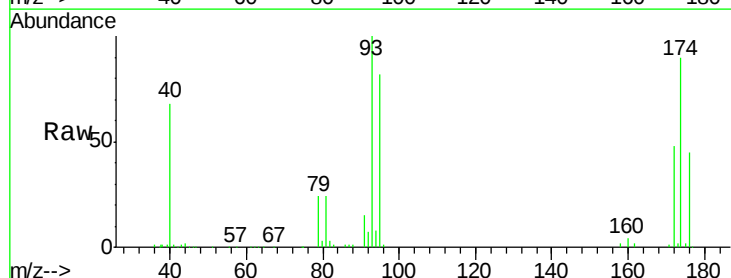
Manual Integrations
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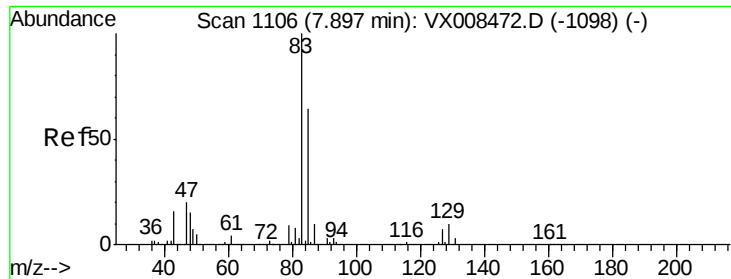
MMDadoda
 3/28/2019 9:35:39 AM



#40
 Dibromomethane
 Concen: 19.085 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion: 93 Resp: 32149
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 158.8
 174 94.1 0.0 224.2





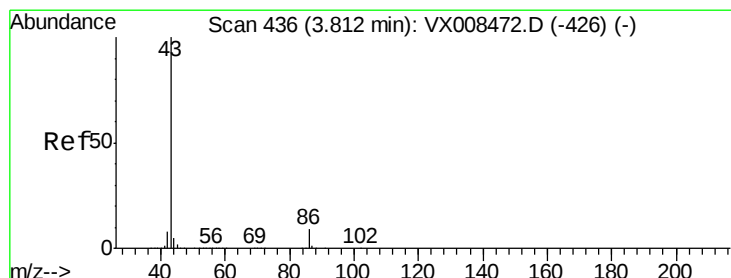
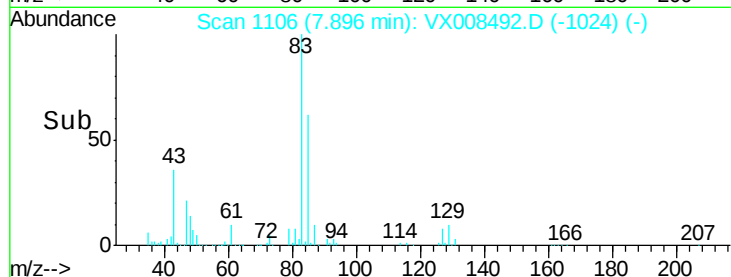
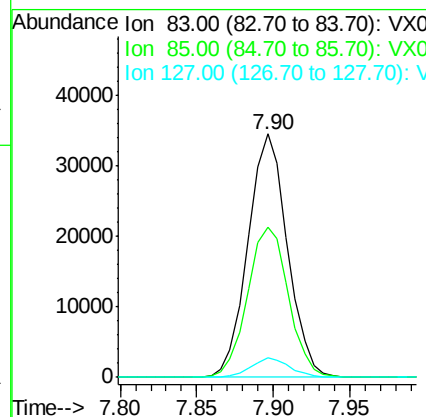
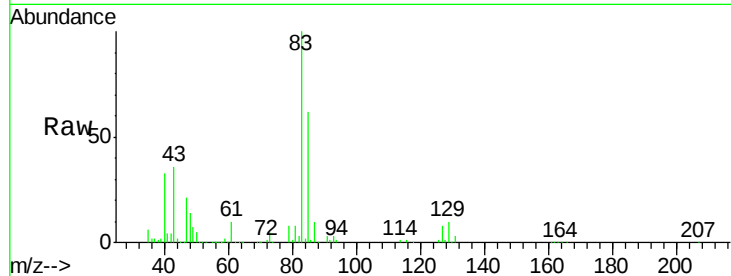
#41
Bromodichloromethane
Concen: 18.728 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	83	Resp	62029
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.1	76.7
127	8.2	7.2	10.8

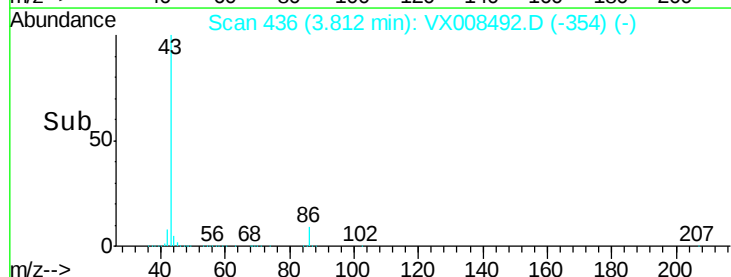
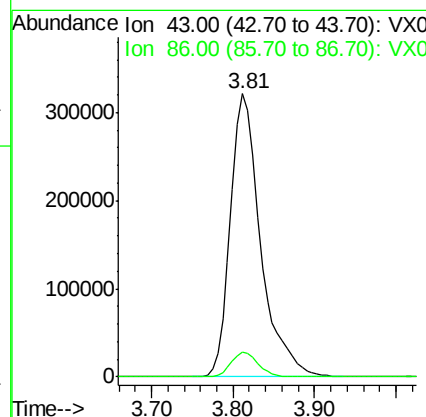
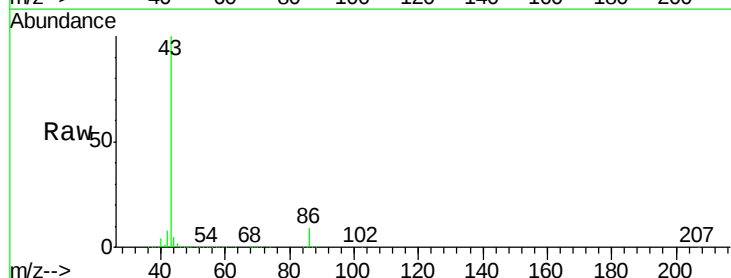
Manual Integrations
APPROVED

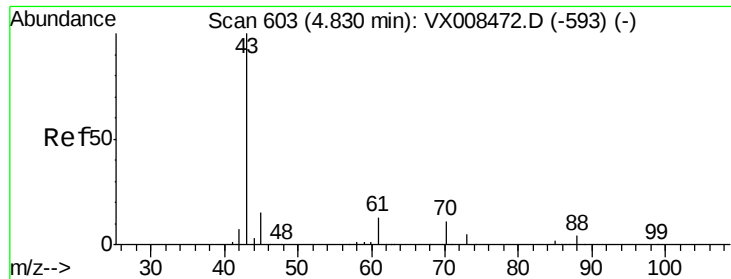
MMDadoda
3/28/2019 9:35:39 AM



#42
Vinyl Acetate
Concen: 98.449 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	43	Resp	823091
Ion Ratio	100	Lower	Upper
43	100		
86	7.8	8.2	12.2#





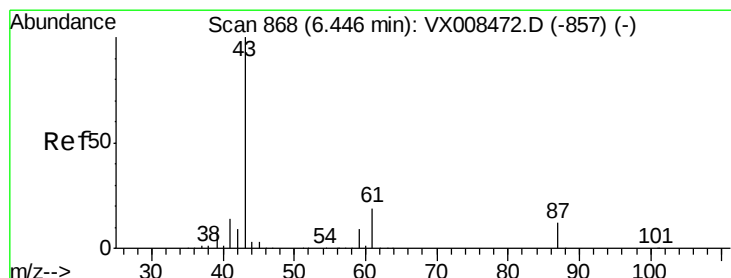
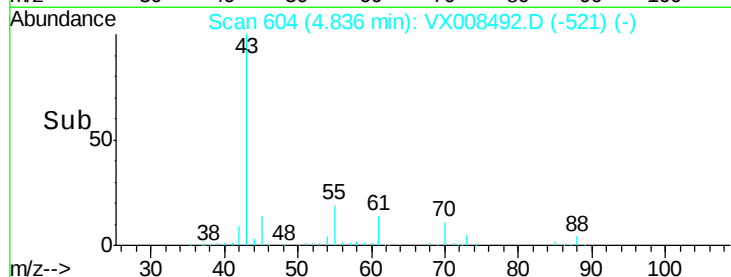
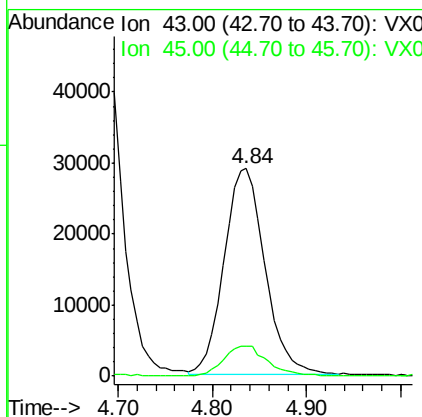
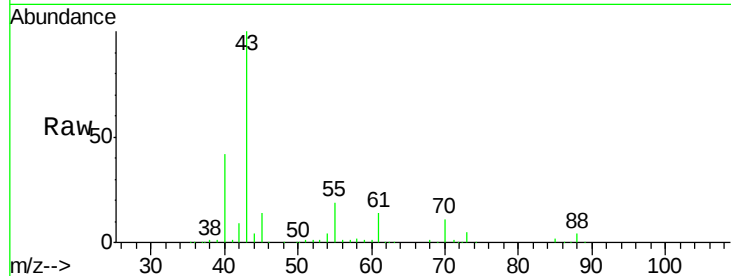
#43
Ethyl Acetate
Concen: 19.630 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion: 43 Resp: 87135
Ion Ratio Lower Upper
43 100
45 16.1 6.9 10.3#

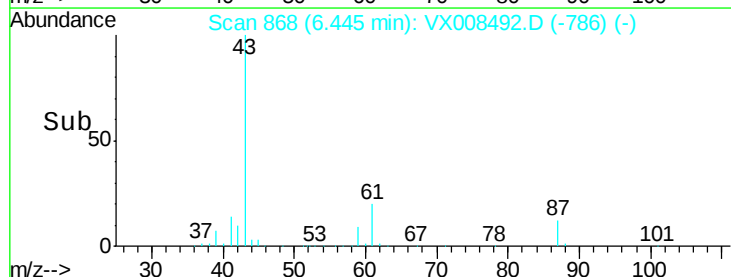
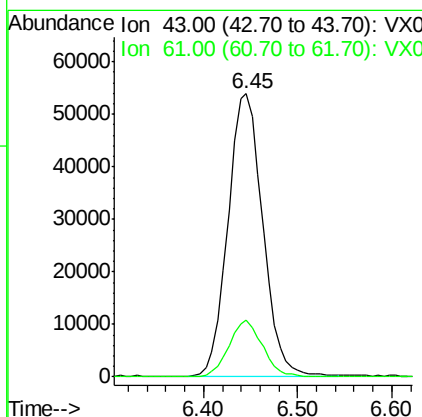
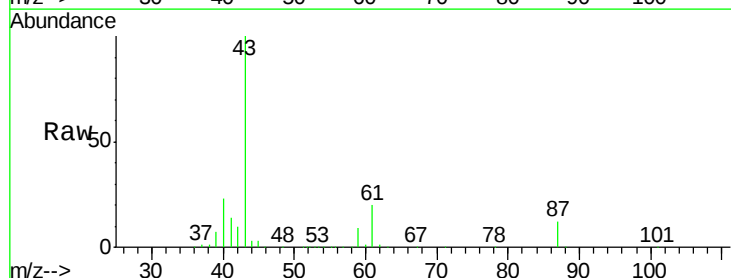
Manual Integrations
APPROVED

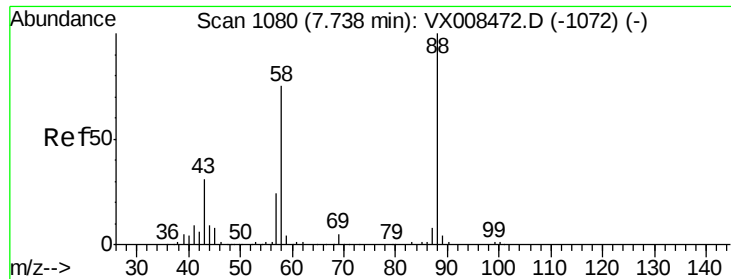
MMDadoda
3/28/2019 9:35:39 AM



#44
Isopropyl Acetate
Concen: 19.279 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion: 43 Resp: 138380
Ion Ratio Lower Upper
43 100
61 19.7 16.1 24.1





#45

1,4-Dioxane

Concen: 404.025 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

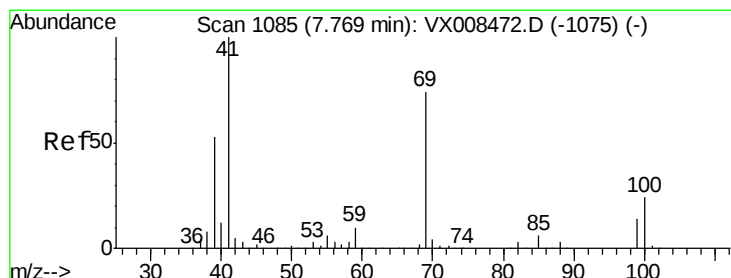
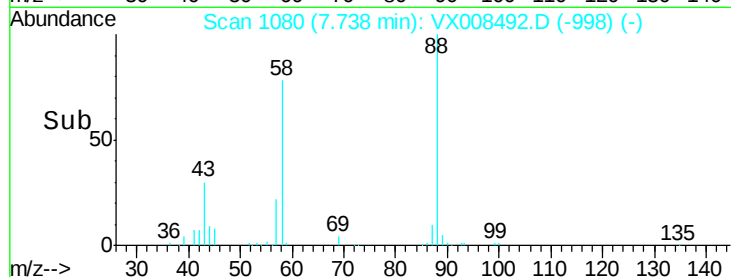
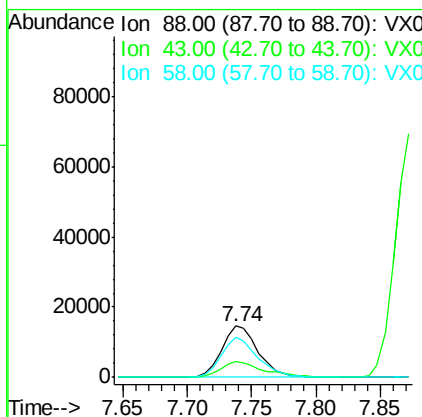
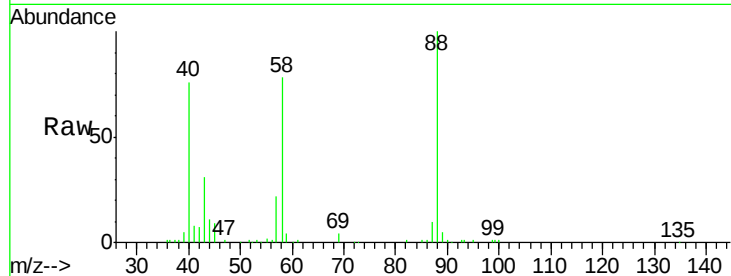
ClientSampleId :

VX0327WBSD01

Tot Ion:	88	Resp:	28869
Ion	Ratio	Lower	Upper
88	100		
43	35.6	23.6	35.4#
58	78.1	51.6	77.4#

Manual Integrations
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MMDadoda
3/28/2019 9:35:39 AM



#46

Methyl methacrylate

Concen: 19.398 ug/l

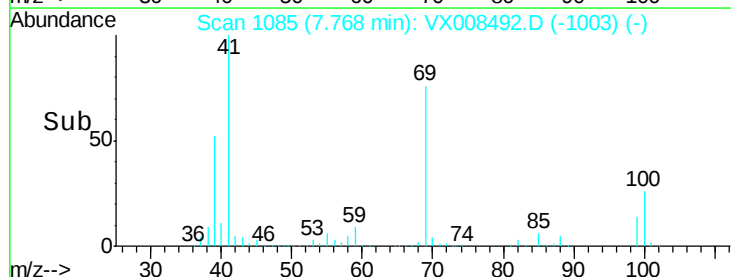
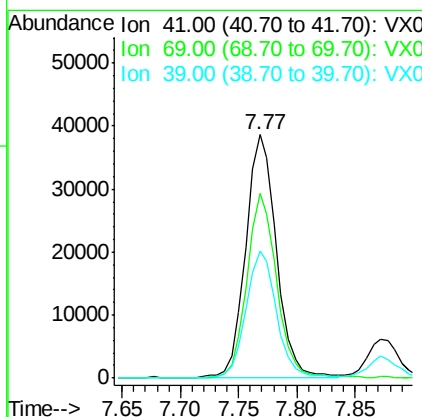
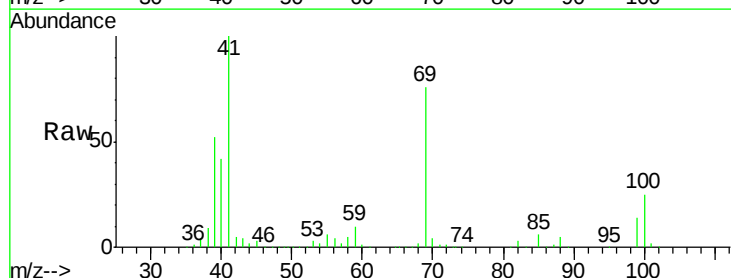
RT: 7.77 min Scan# 1085

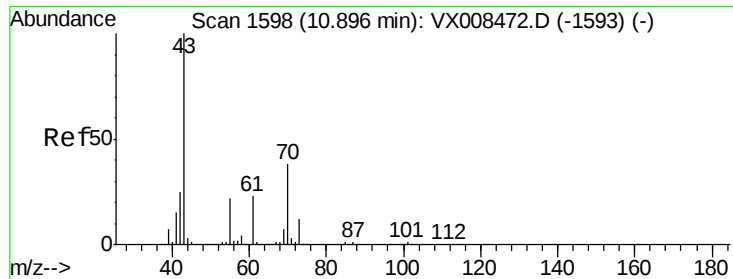
Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Tgt Ion:	41	Resp:	70714
Ion	Ratio	Lower	Upper
41	100		
69	76.0	44.2	132.6
39	52.1	29.9	89.8





#47

n-amvl Acetate

Concen: 19.013 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 43 Resp: 123965

Ion Ratio Lower Upper

43 100

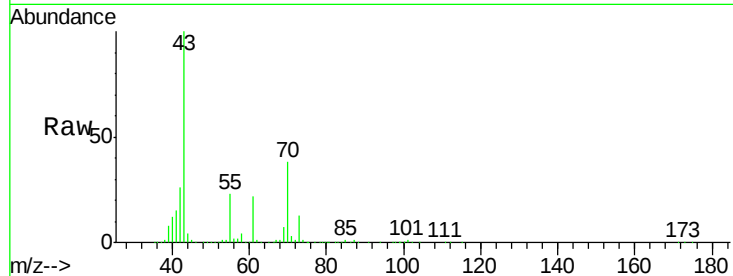
55 23.7 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:35:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

120000

100000

80000

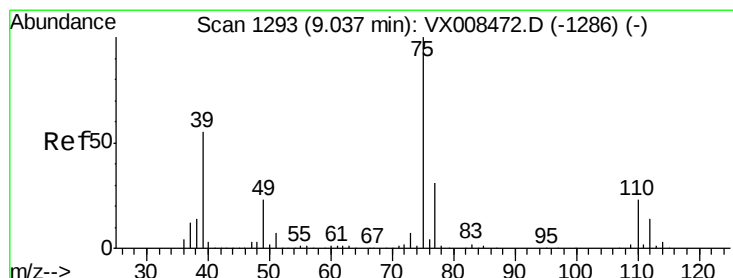
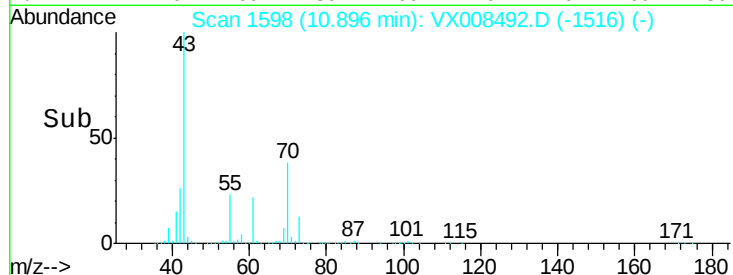
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.619 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008492.D

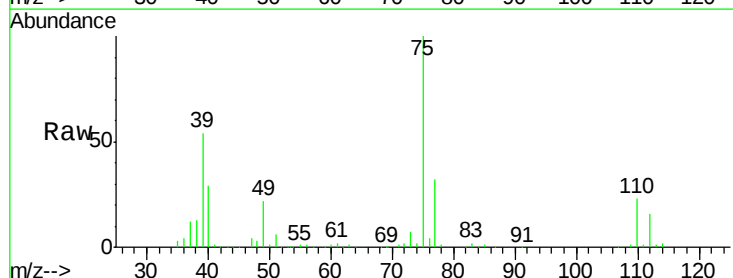
Acq: 27 Mar 2019 18:58

Tgt Ion: 75 Resp: 65914

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

50000

40000

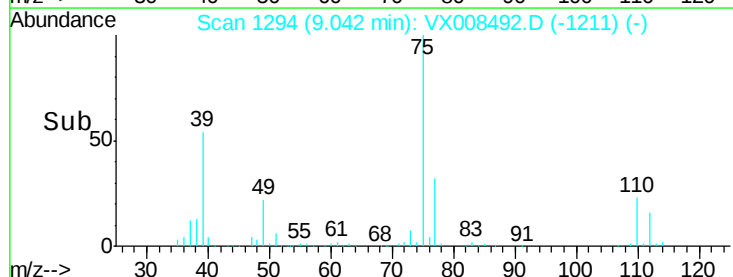
30000

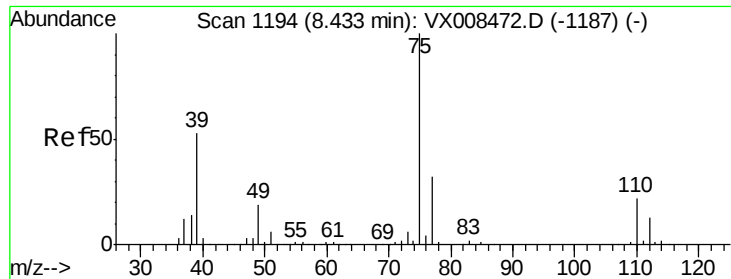
20000

10000

0

Time-->





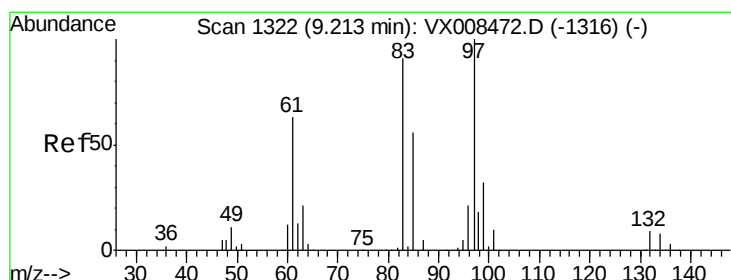
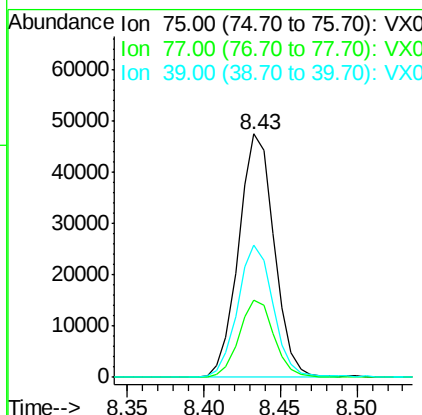
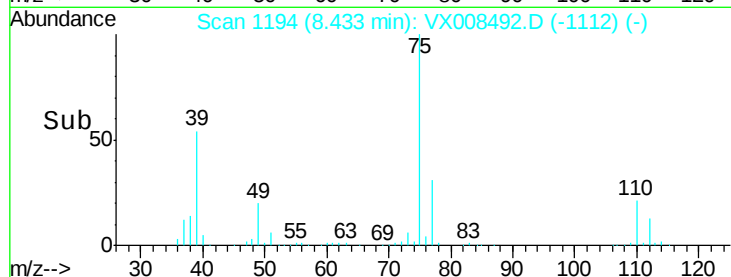
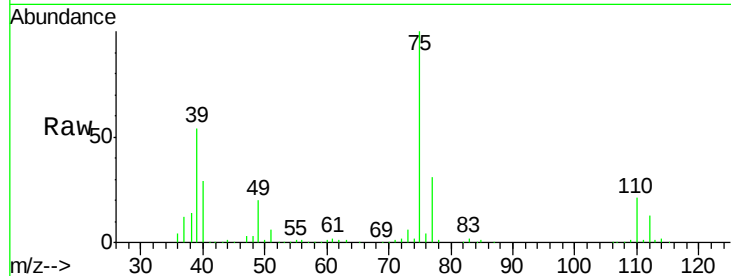
#49
 cis-1,3-Dichloropropene
 Concen: 18.358 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	54.2	38.5	57.7

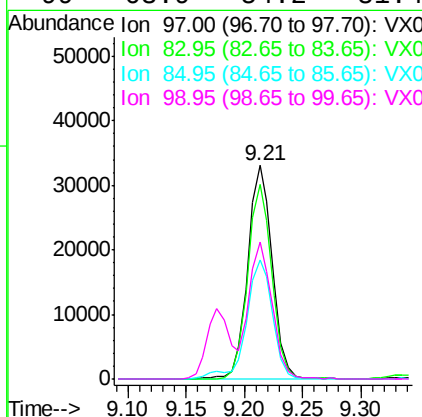
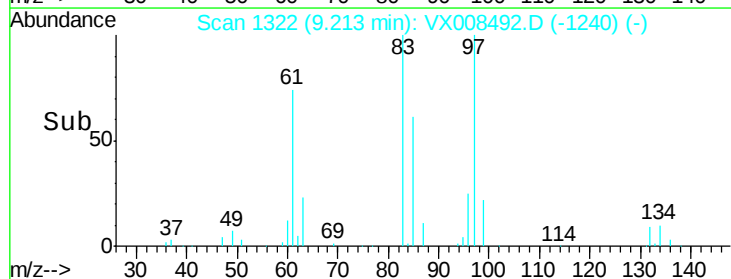
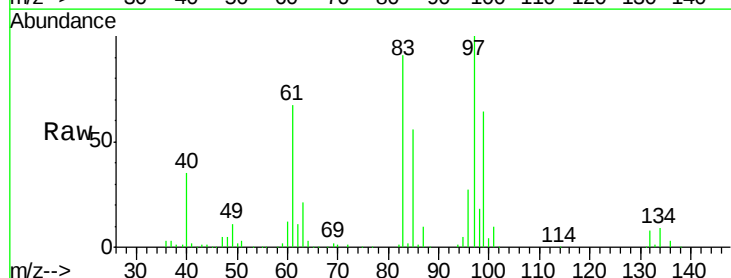
Manual Integrations
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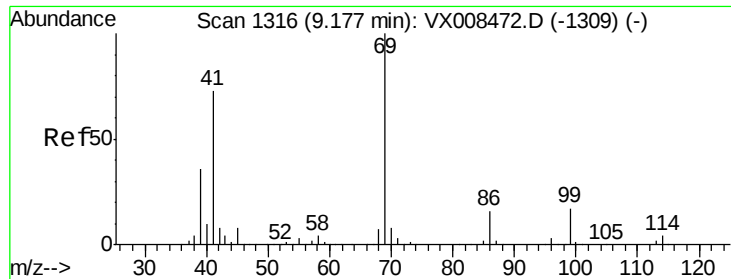
MMDadoda
 3/28/2019 9:35:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.409 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.0	108.0
85	55.7	45.0	67.6
99	63.9	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.901 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

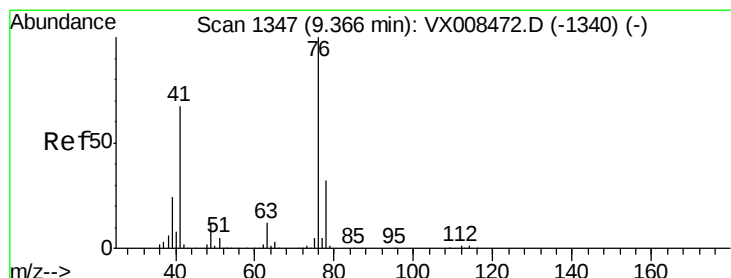
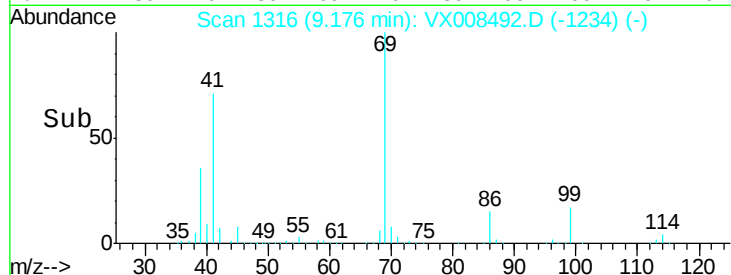
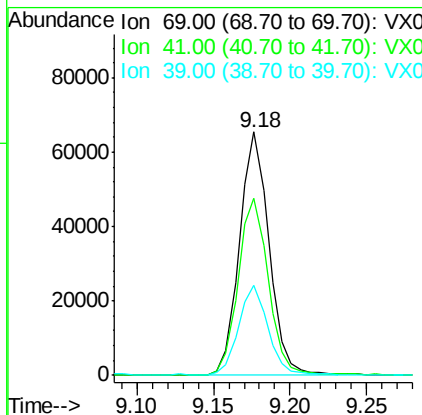
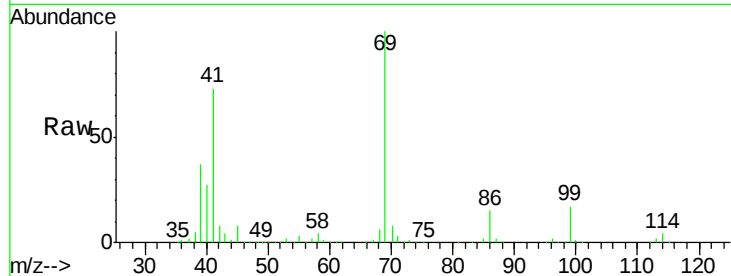
ClientSampleId :

VX0327WBSD01

Tot Ion:	69	Resp:	87975
Ion	Ratio	Lower	Upper
69	100		
41	72.6	32.1	96.5
39	36.6	18.8	56.3

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:35:39 AM



#52

1,3-Dichloropropane

Concen: 19.329 ug/l

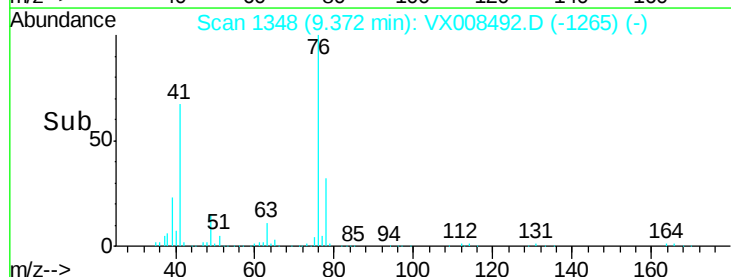
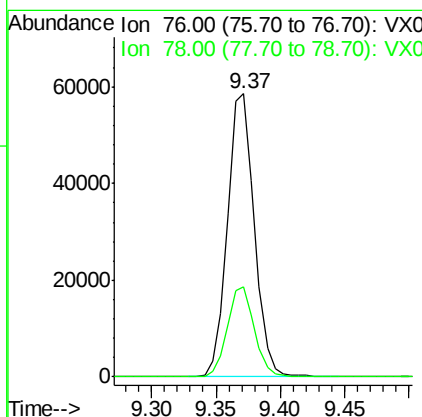
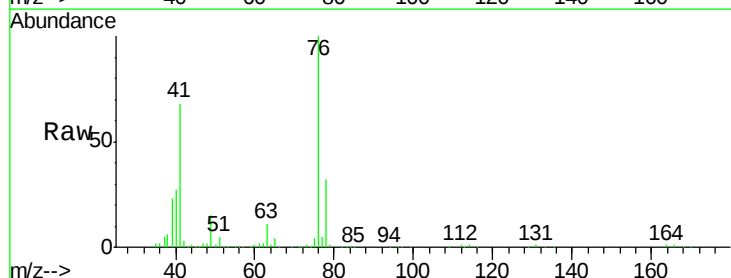
RT: 9.37 min Scan# 1348

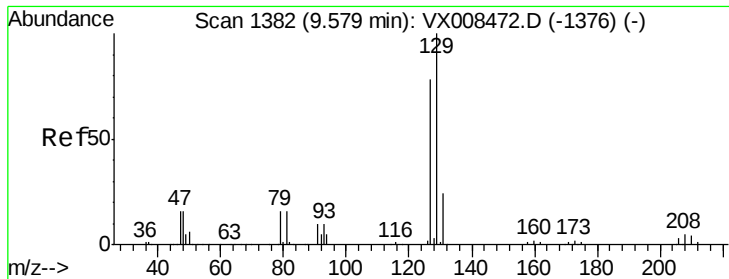
Delta R.T. 0.01 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Tgt Ion:	76	Resp:	86011
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.2





#53

Dibromochloromethane

Concen: 18.214 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion:129 Resp: 44831

Ion Ratio Lower Upper

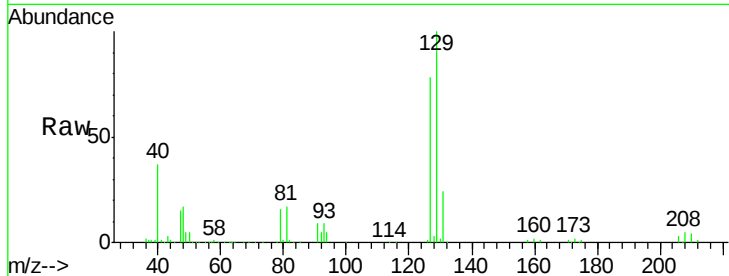
129 100

127 76.5 38.4 115.2

Manual Integrations
APPROVED

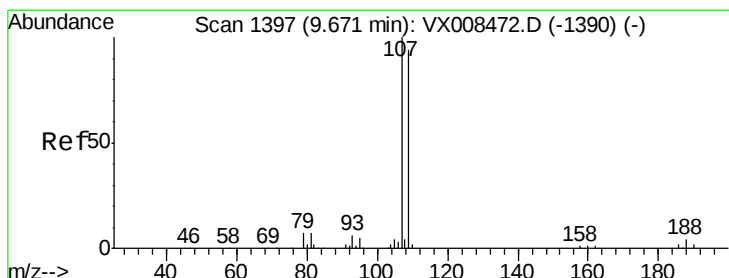
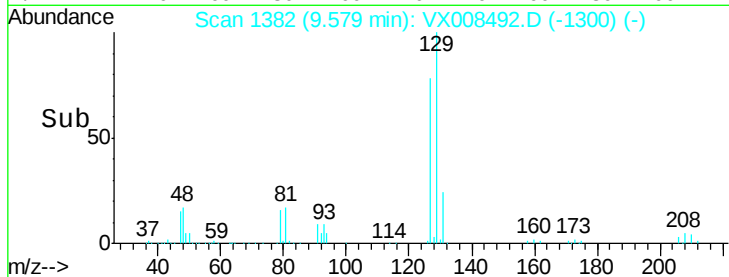
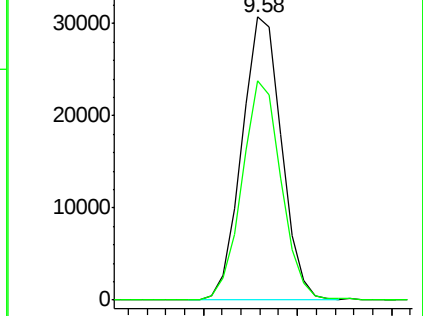
MMDadoda

3/28/2019 9:35:39 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.180 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008492.D

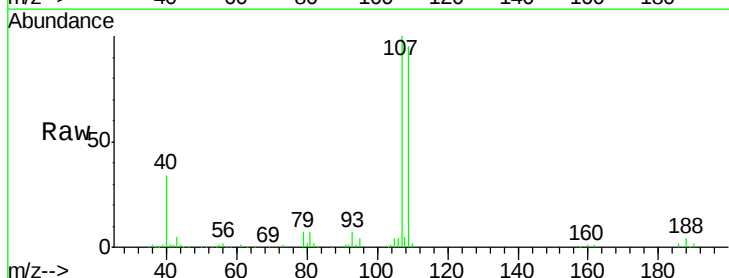
Acq: 27 Mar 2019 18:58

Tgt Ion:107 Resp: 49453

Ion Ratio Lower Upper

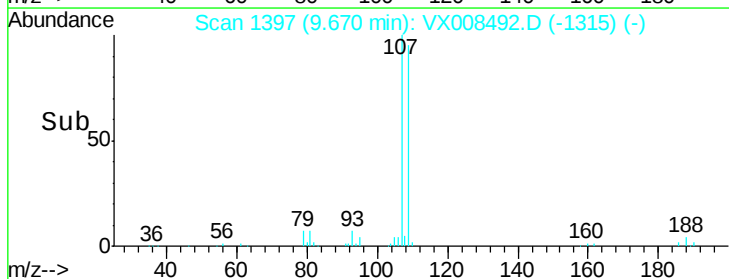
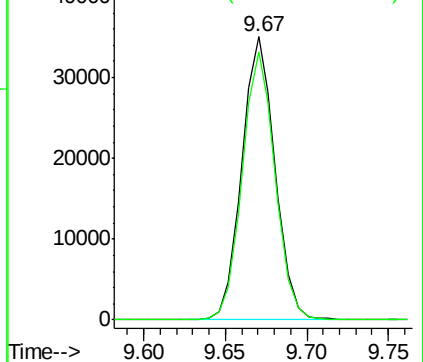
107 100

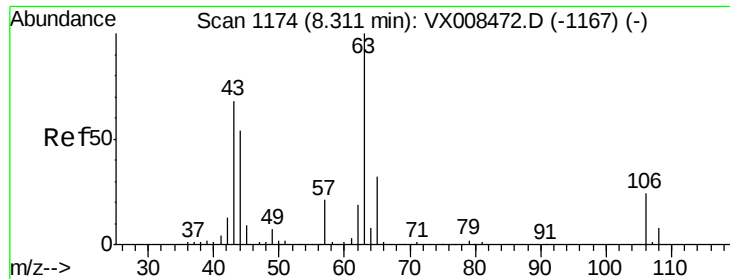
109 93.9 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





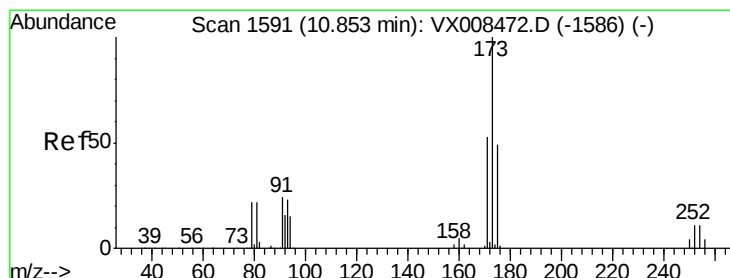
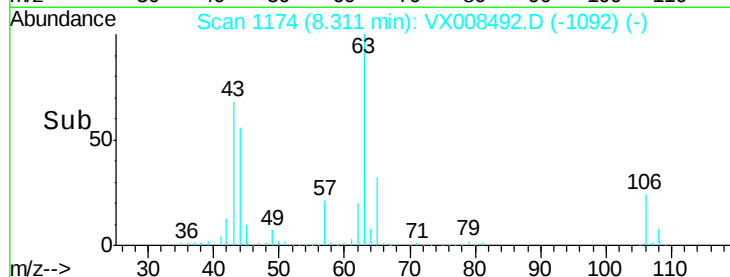
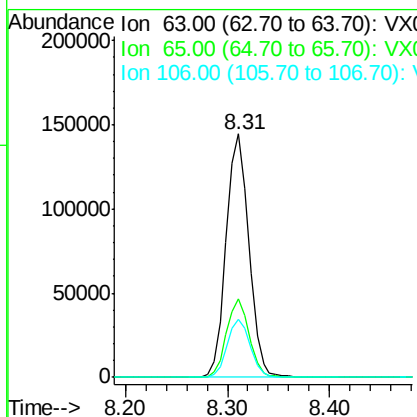
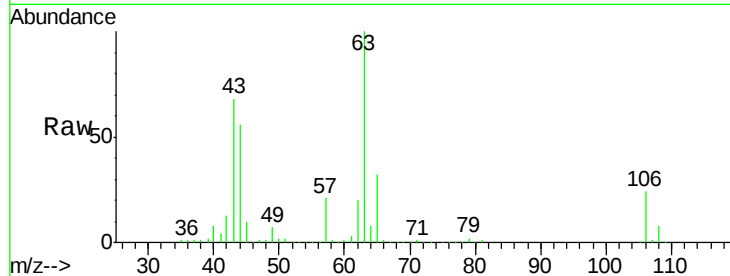
#55
2-Chloroethyl vinyl ether
Concen: 95.311 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.7	38.5
106	23.8	23.7	35.5

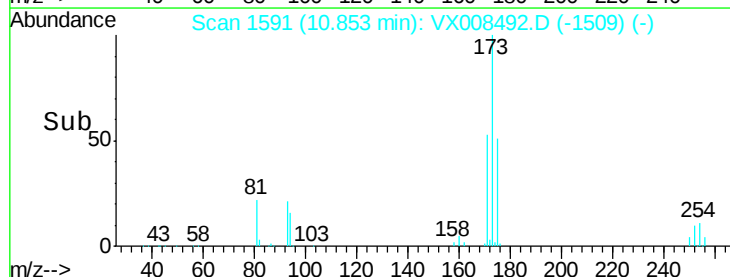
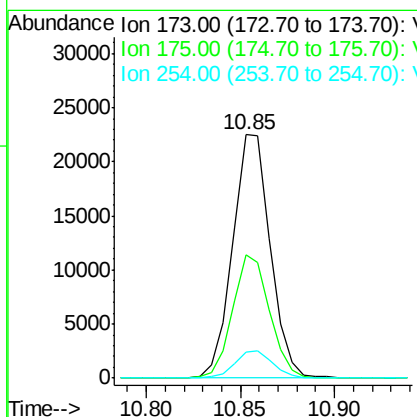
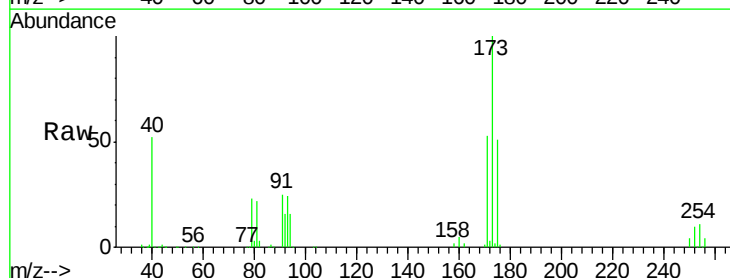
Manual Integrations
APPROVED

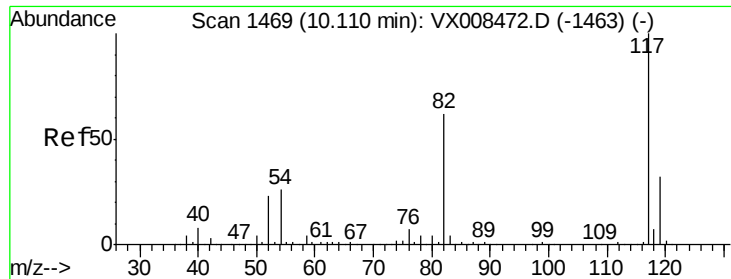
MMDadoda
3/28/2019 9:35:39 AM



#56
Bromoform
Concen: 17.398 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.5	57.7
254	11.2	7.4	11.2#





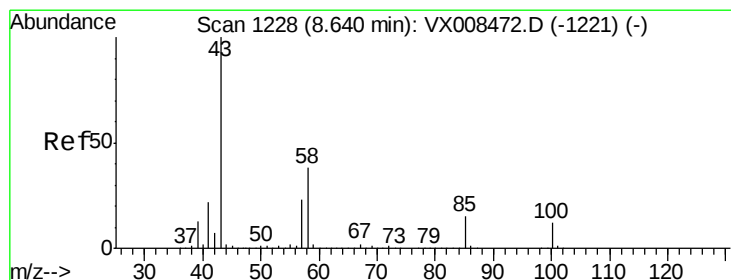
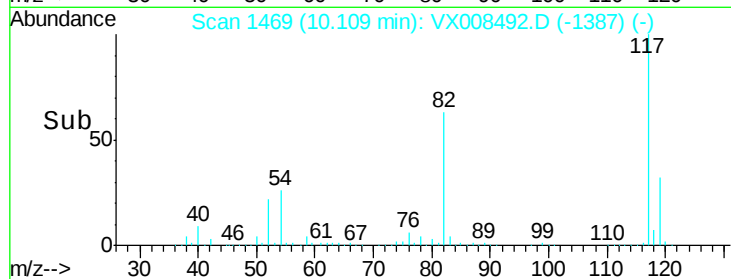
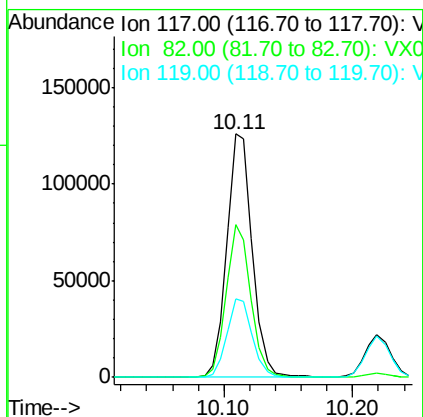
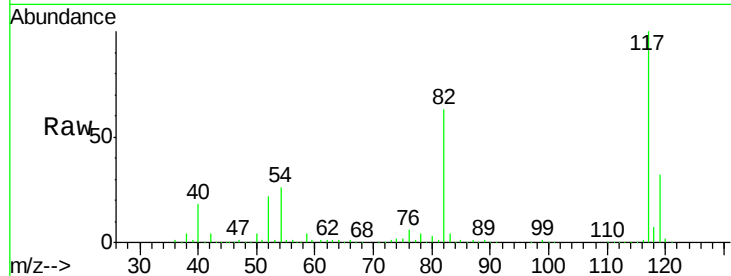
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	40.4	60.6#
119	32.3	25.8	38.6

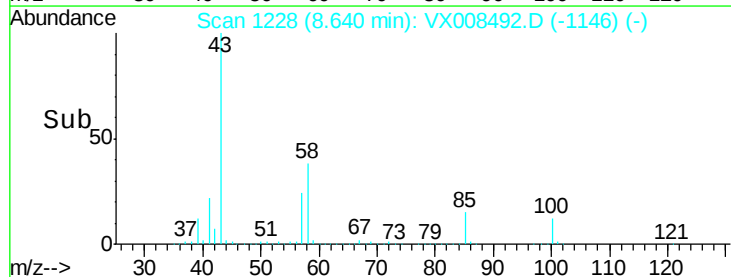
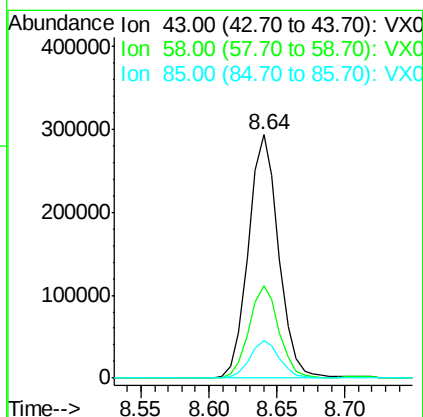
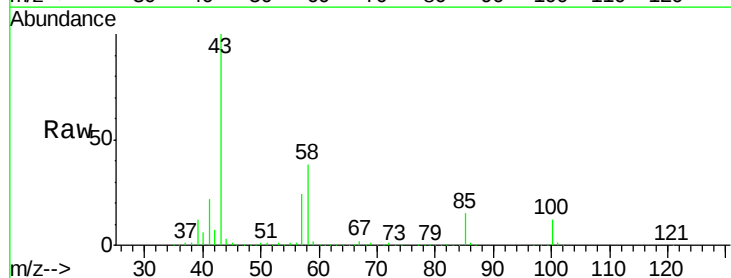
Manual Integrations
APPROVED

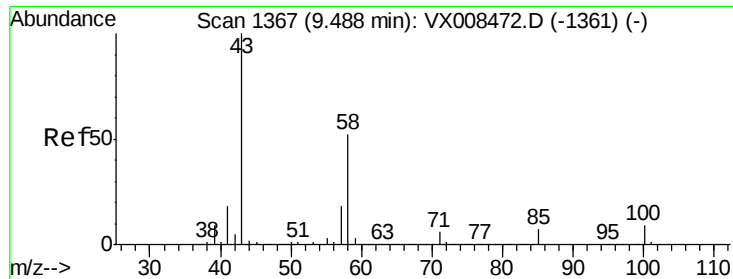
MMDadoda
3/28/2019 9:35:39 AM



#58
4-Methyl-2-Pentanone
Concen: 99.055 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	31.4	47.0
85	15.3	15.0	22.6





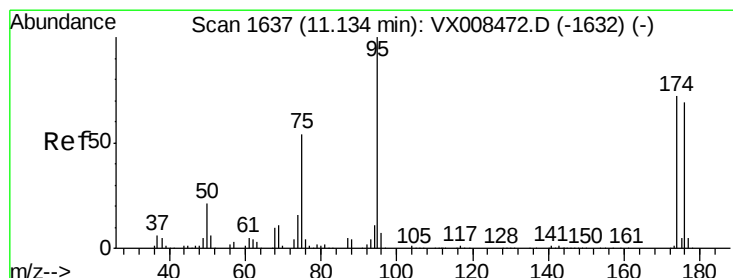
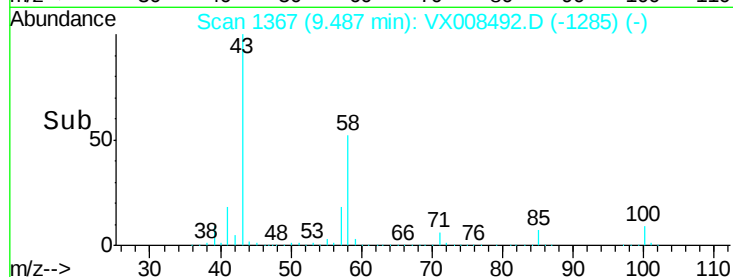
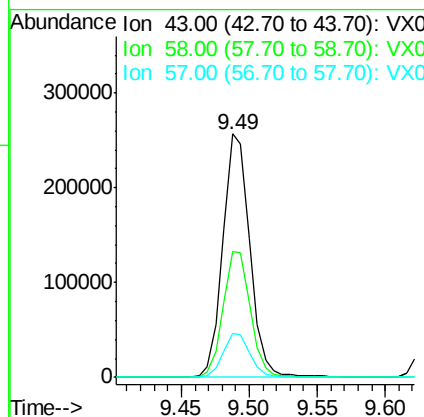
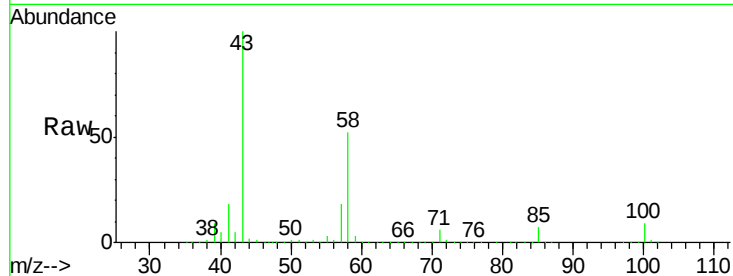
#59
2-Hexanone
Concen: 96.800 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	43.9	65.9
57	18.2	14.9	22.3

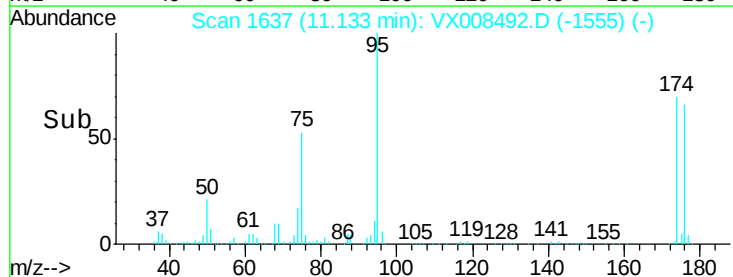
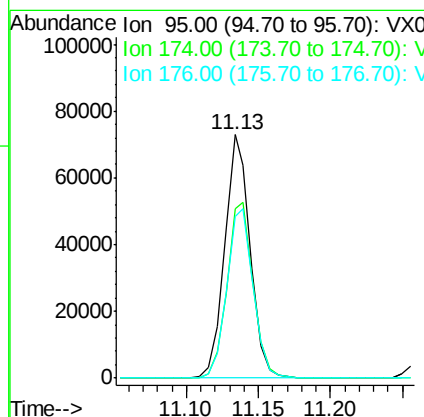
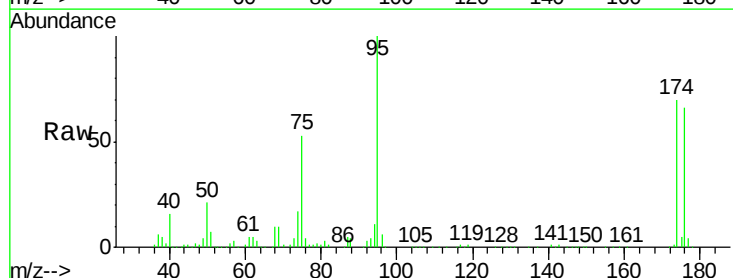
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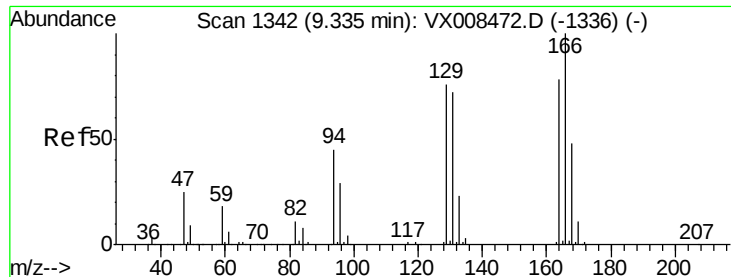
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#60
4-Bromofluorobenzene
Concen: 29.711 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	74.9	112.3#
176	71.9	70.7	106.1





#61

Tetrachloroethene

Concen: 19.412 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion:164 Resp: 37197

Ion Ratio Lower Upper

164 100

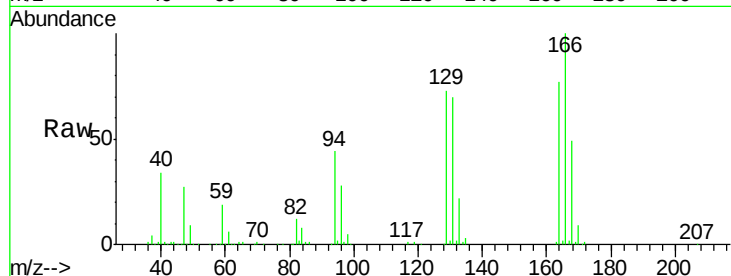
166 130.3 103.9 155.9

129 94.5 74.7 112.1

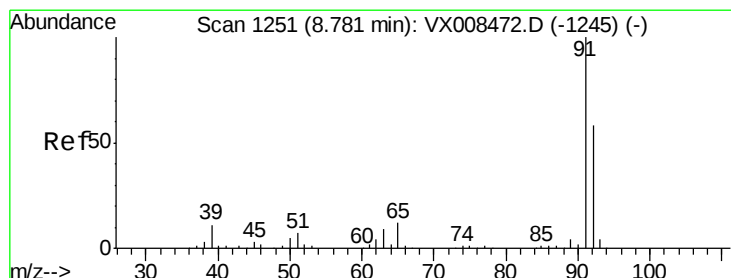
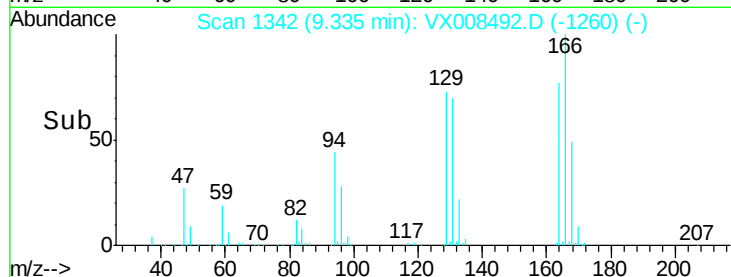
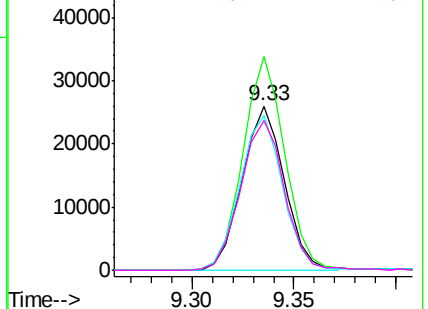
131 91.3 71.7 107.5

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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.592 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008492.D

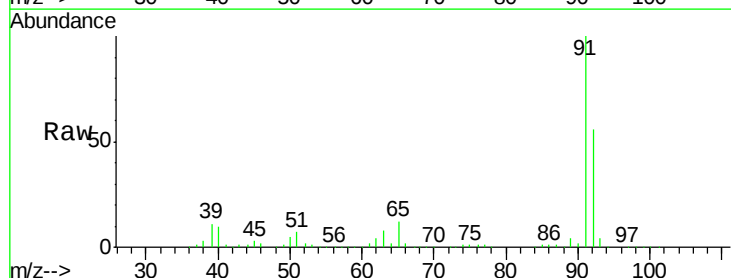
Acq: 27 Mar 2019 18:58

Tgt Ion: 91 Resp: 207799

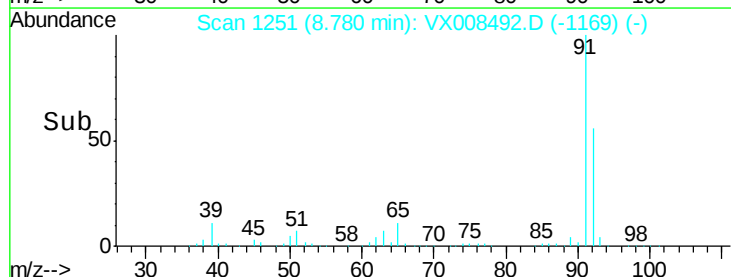
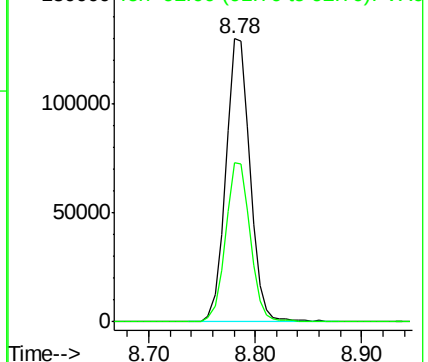
Ion Ratio Lower Upper

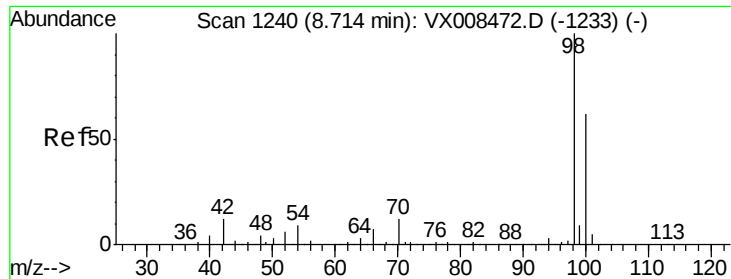
91 100

92 57.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





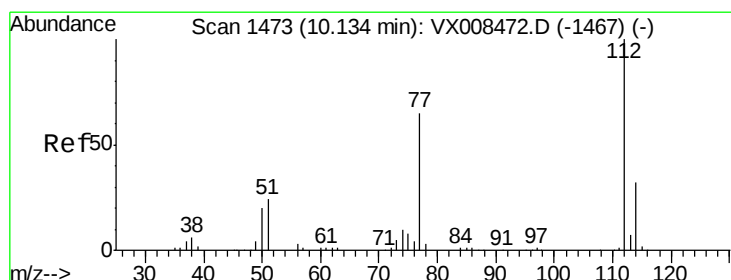
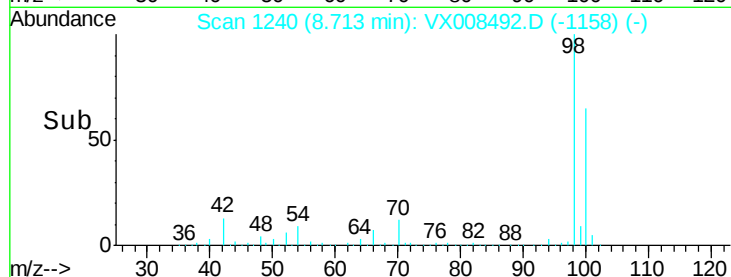
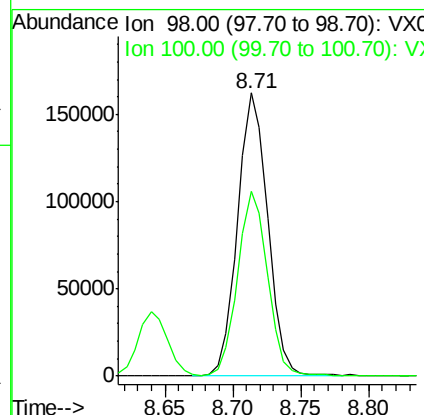
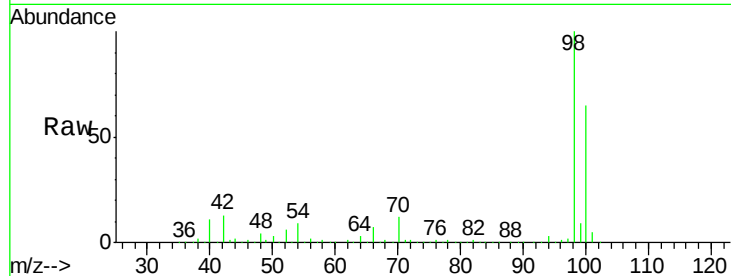
#63
Toluene-d8
Concen: 30.271 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion: 98 Resp: 251720
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

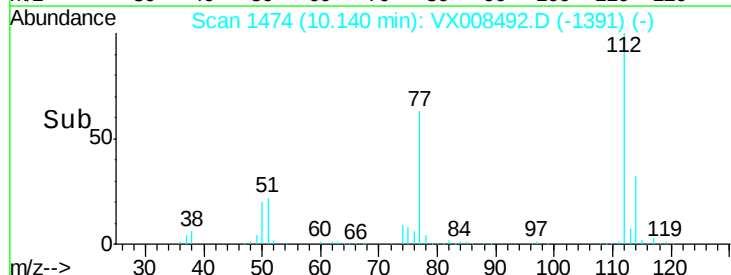
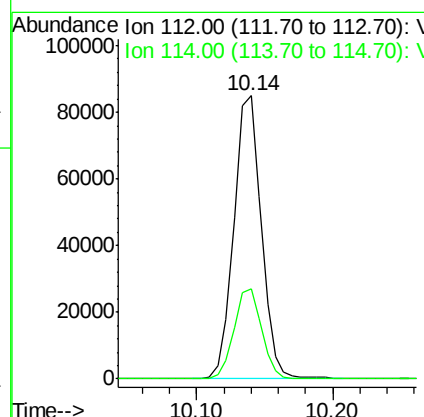
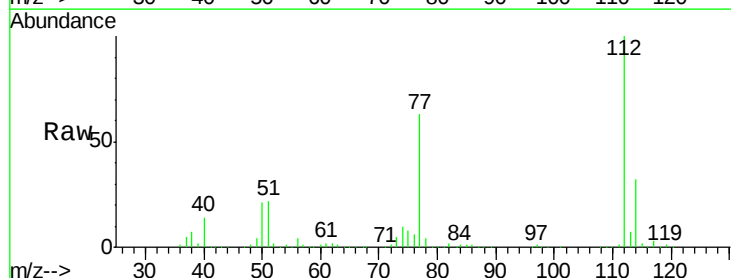
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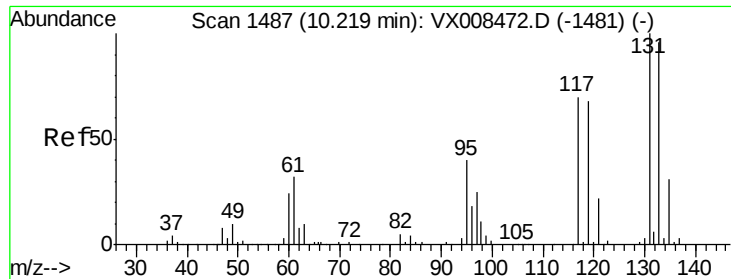
MMDadoda
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#64
Chlorobenzene
Concen: 19.277 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion: 112 Resp: 119805
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.022 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion:131 Resp: 41680

Ion Ratio Lower Upper

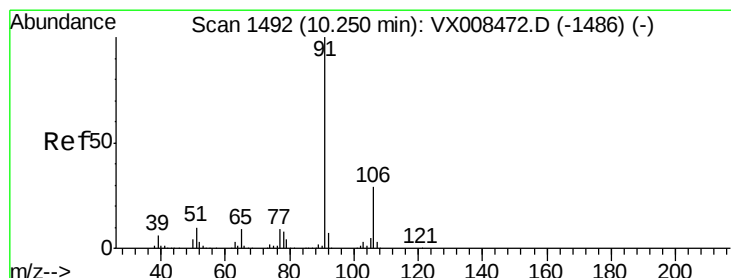
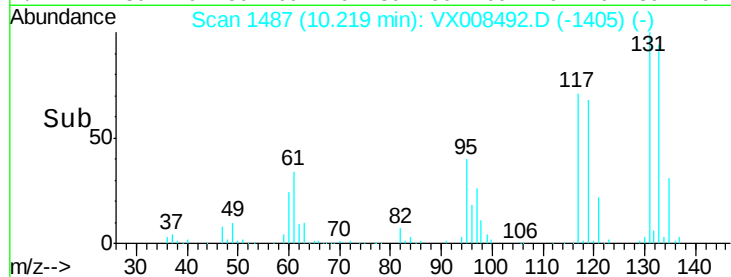
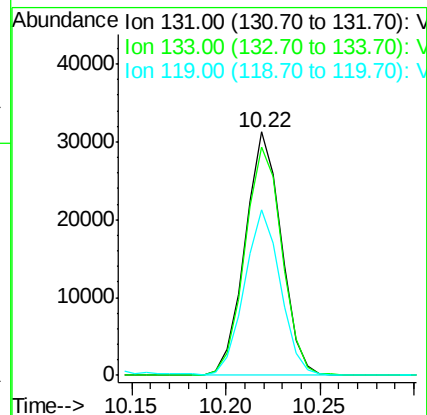
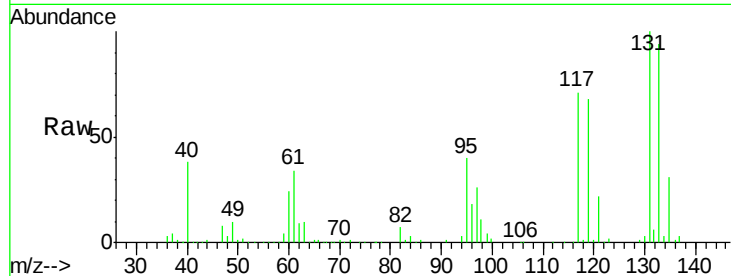
131 100

133 95.9 0.0 191.6

119 67.8 0.0 127.4

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#66

Ethyl Benzene

Concen: 19.155 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008492.D

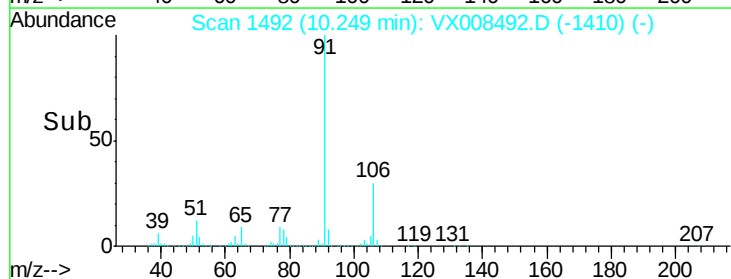
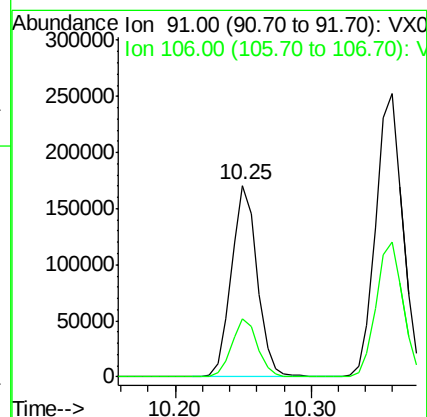
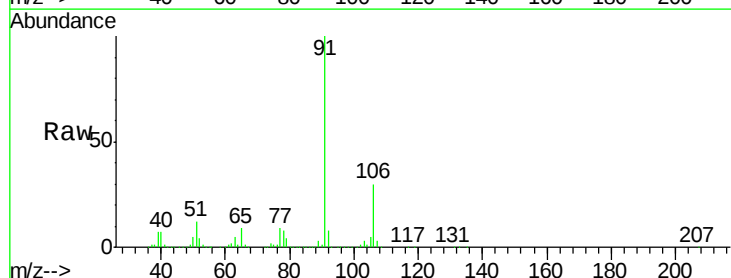
Acq: 27 Mar 2019 18:58

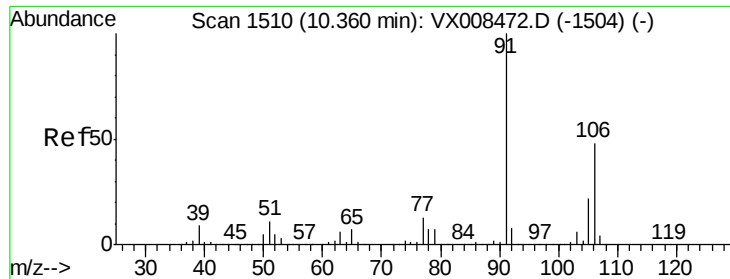
Tgt Ion: 91 Resp: 225501

Ion Ratio Lower Upper

91 100

106 30.4 26.0 39.0





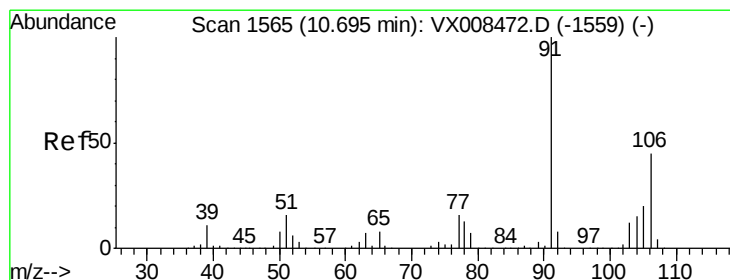
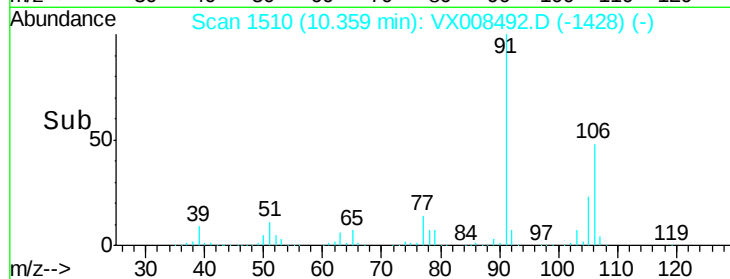
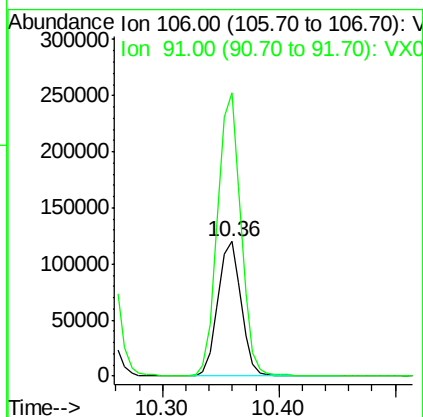
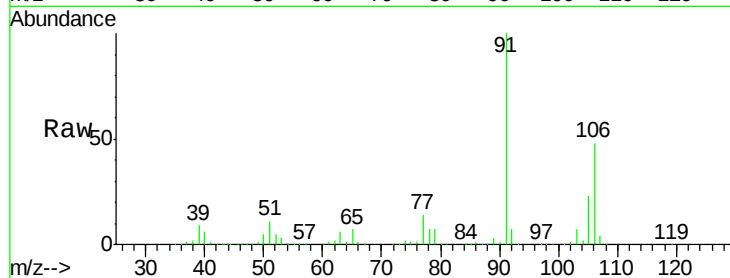
#67
m/p-Xvlenes
Concen: 38.608 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion:106 Resp: 165783
Ion Ratio Lower Upper
106 100
91 209.8 157.0 235.4

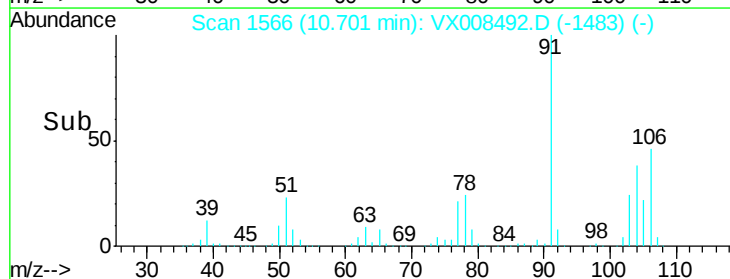
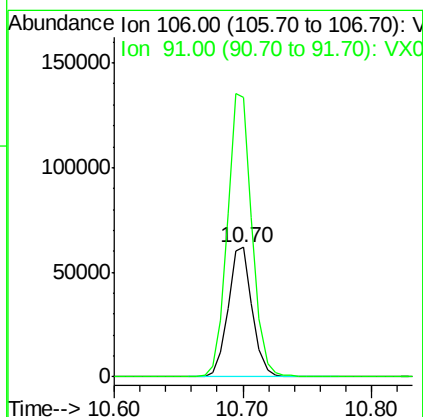
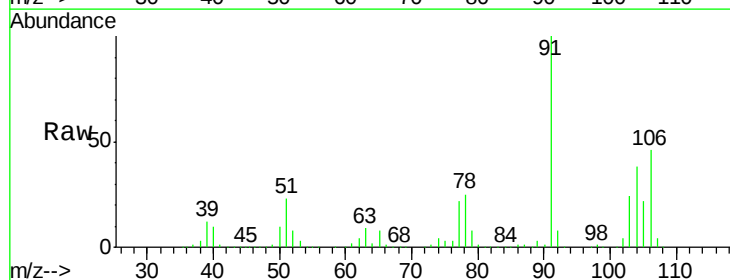
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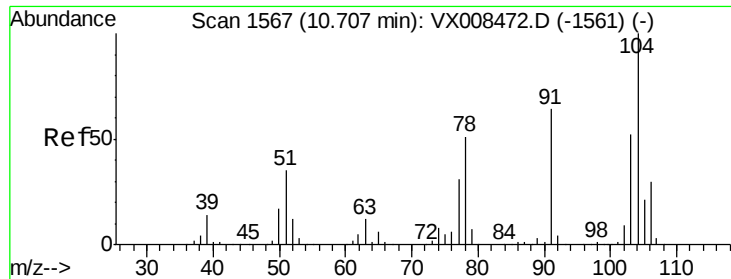
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#68
o-Xylene
Concen: 19.441 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion:106 Resp: 81689
Ion Ratio Lower Upper
106 100
91 221.6 104.4 313.2





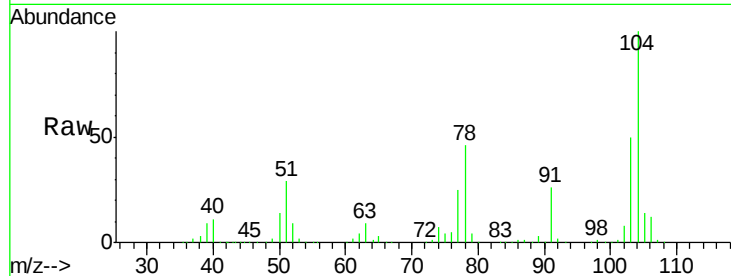
#69
Stvrene
Concen: 19.107 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

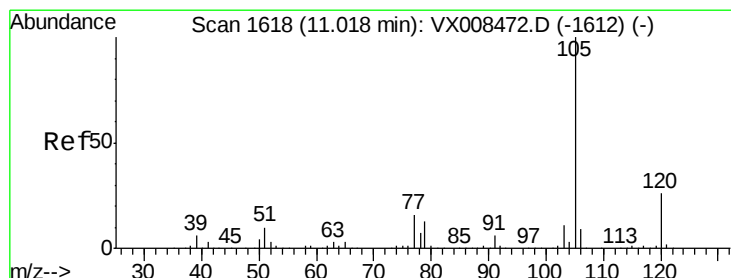
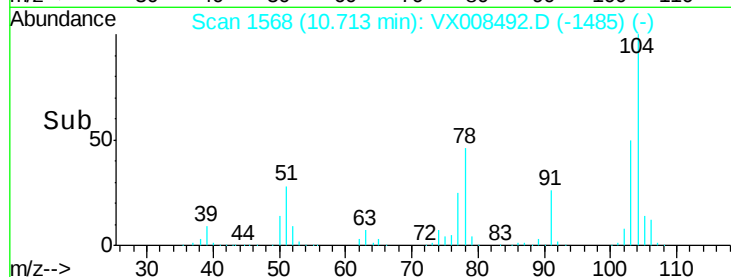
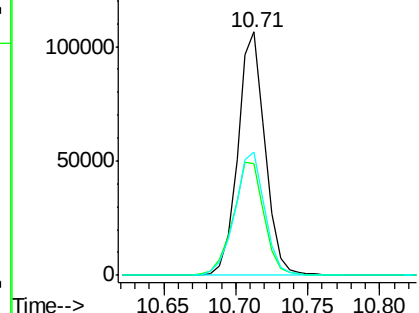
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	38.2	57.2
103	55.7	45.0	67.4

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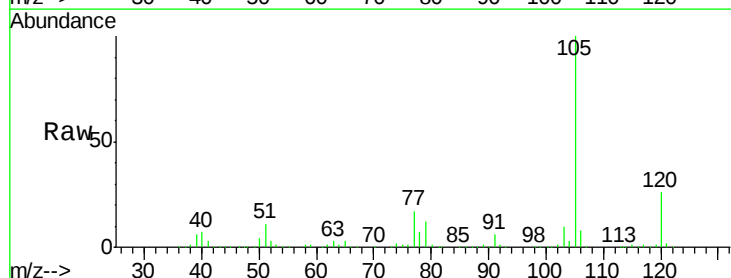


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

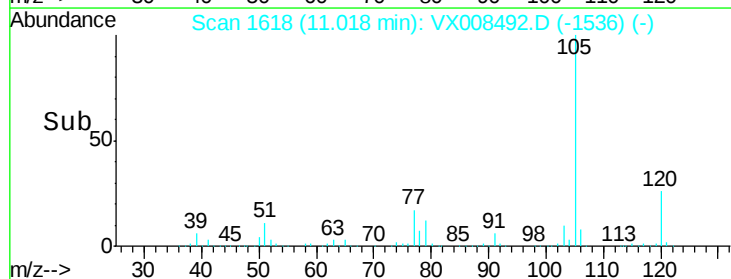
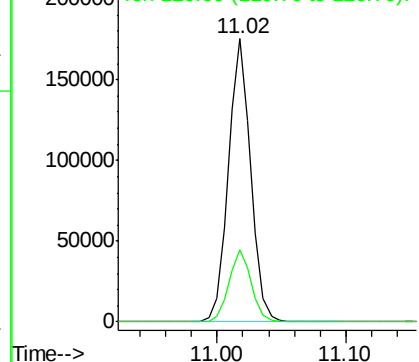


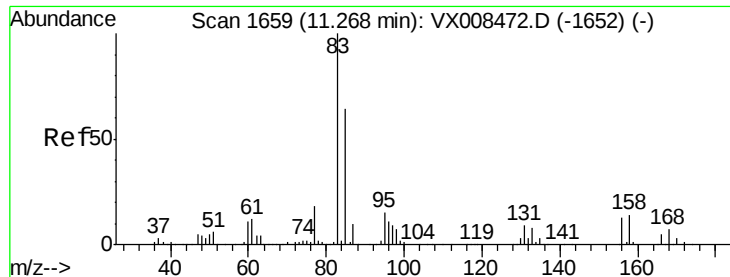
#70
Isopropylbenzene
Concen: 19.258 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	19.8	36.8



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





#71

1,1,2,2-Tetrachloroethane

Concen: 19.813 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

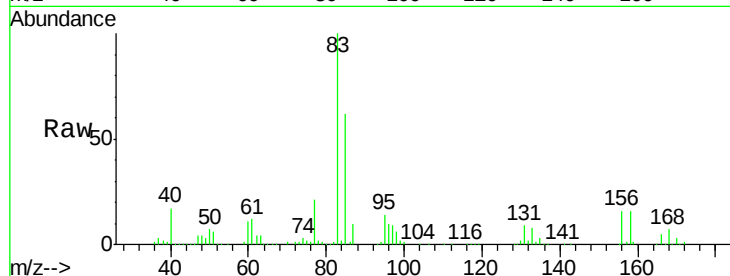
ClientSampleId :

VX0327WBSD01

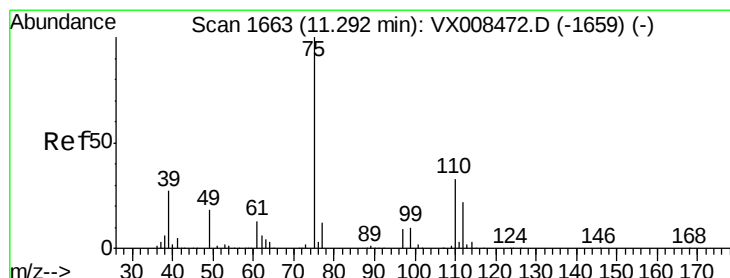
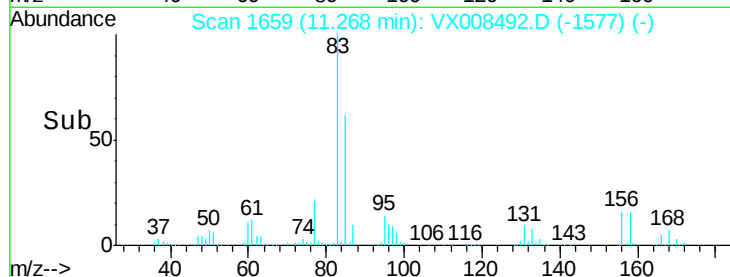
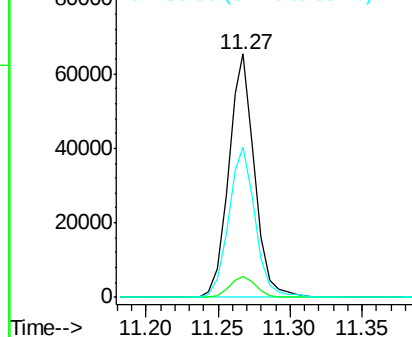
Tot Ion:	83	Resp:	82043
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.4	16.2
85	63.4	32.8	98.4

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 21.994 ug/l m

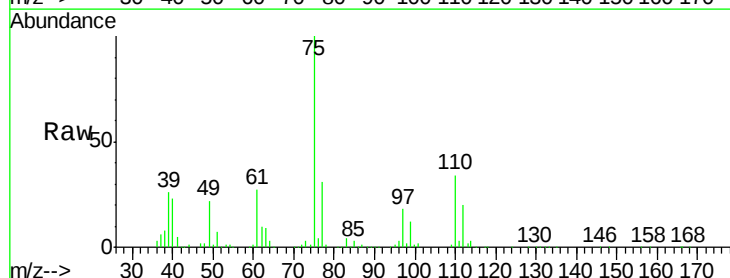
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

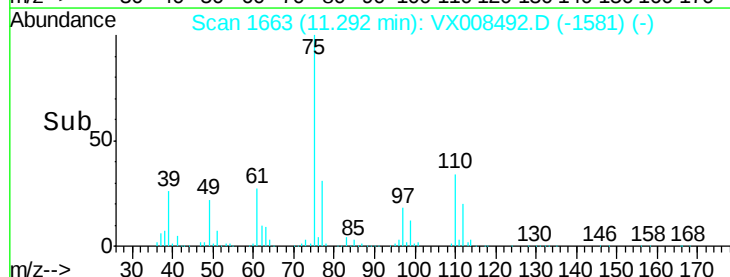
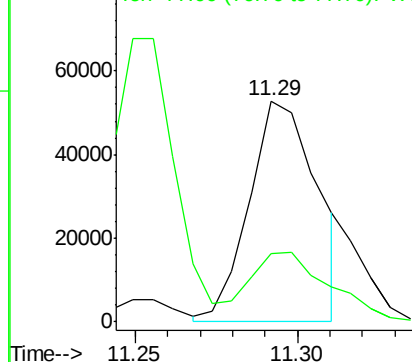
Lab File: VX008492.D

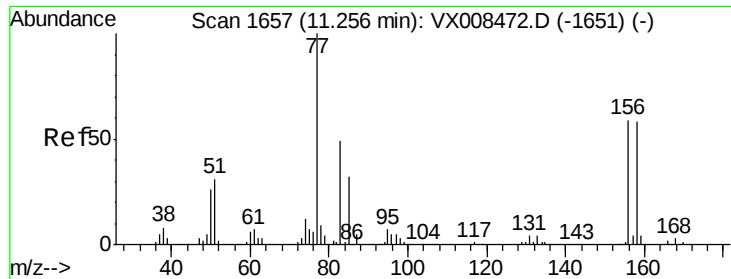
Acq: 27 Mar 2019 18:58

Tgt Ion:	75	Resp:	76982
Ion Ratio	Lower	Upper	
75	100		
77	38.1	0.0	76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





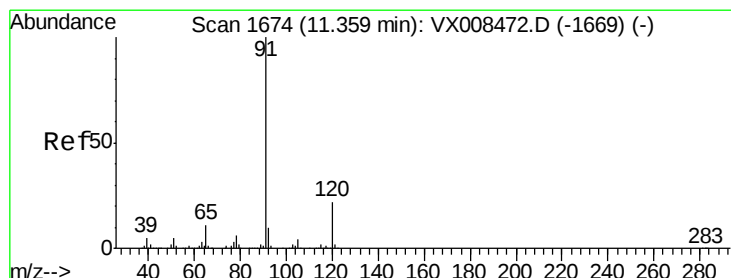
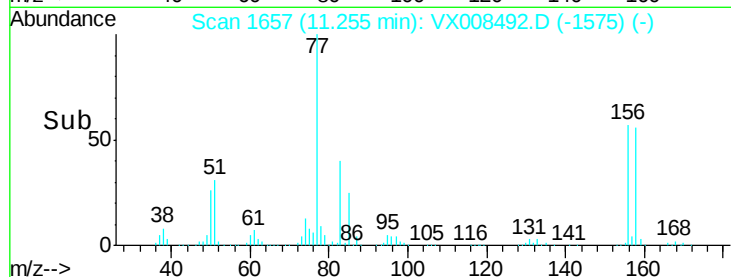
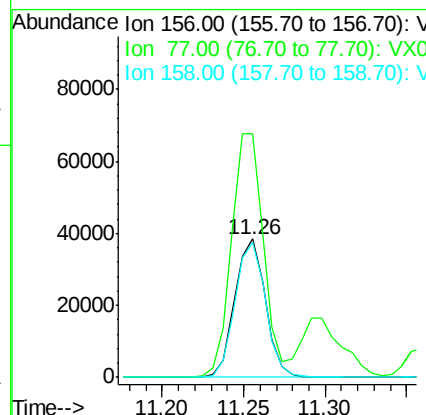
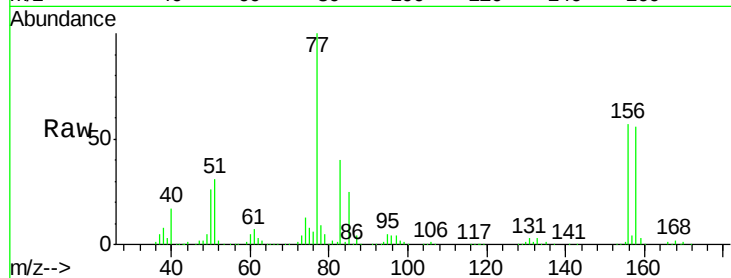
#73
Bromobenzene
Concen: 19.054 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.3	0.0	271.4
158	97.6	0.0	194.0

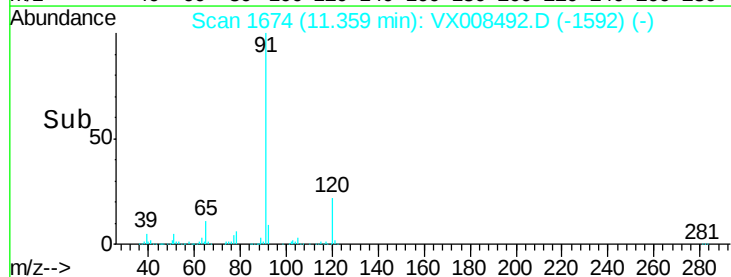
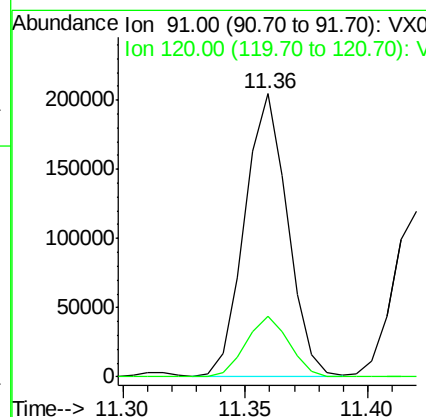
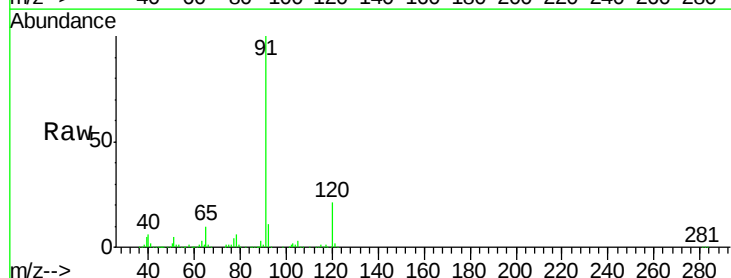
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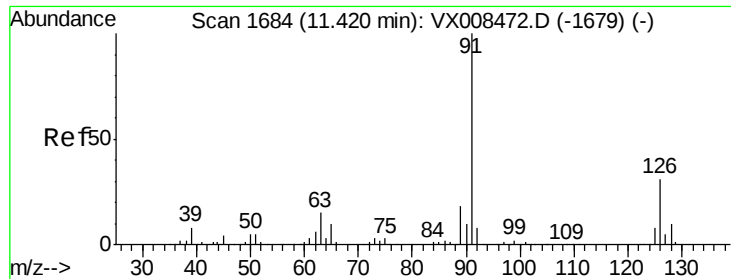
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#74
n-propylbenzene
Concen: 18.929 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.196 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 91 Resp: 150805

Ion Ratio Lower Upper

91 100

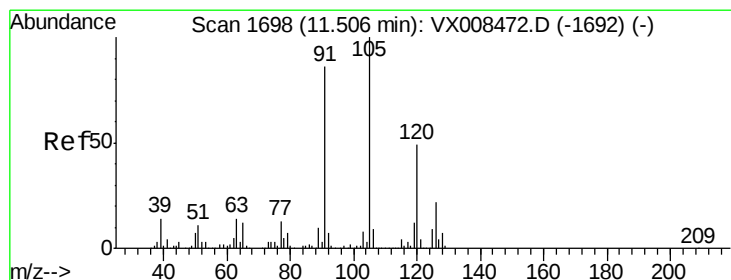
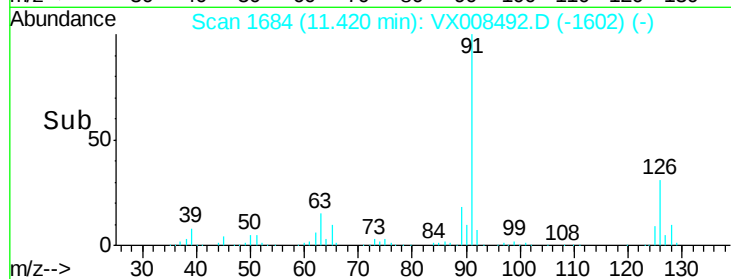
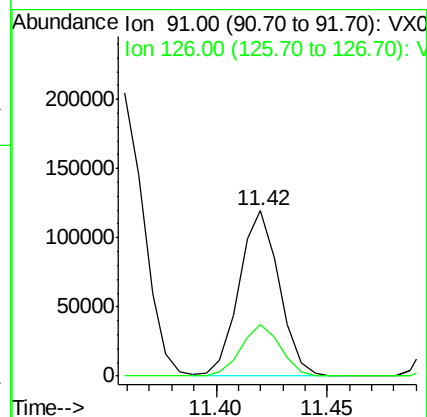
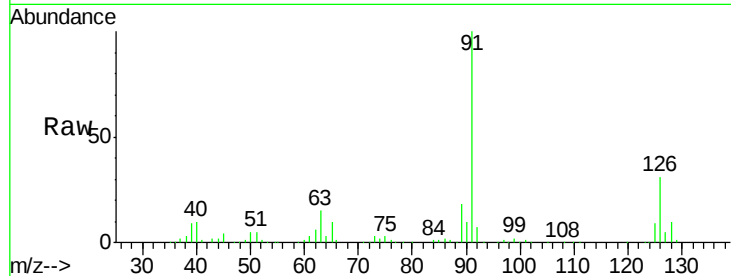
126 30.9 0.0 75.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.004 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008492.D

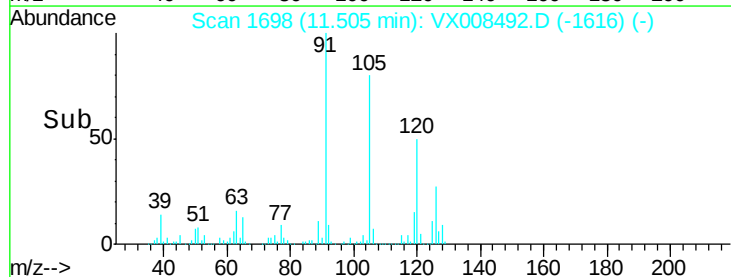
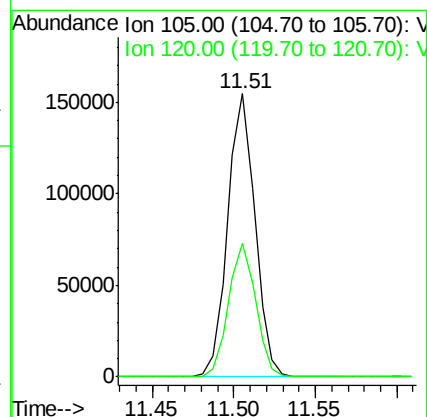
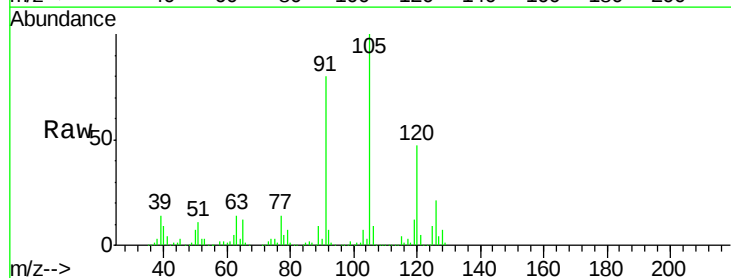
Acq: 27 Mar 2019 18:58

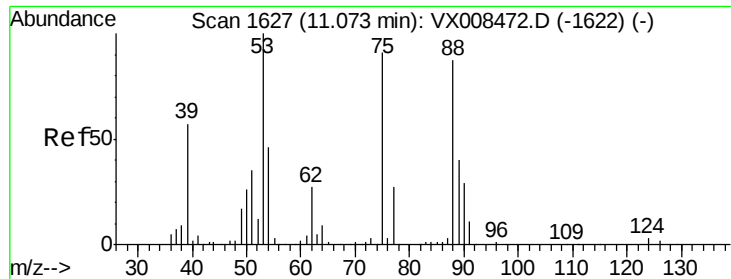
Tgt Ion: 105 Resp: 180087

Ion Ratio Lower Upper

105 100

120 47.3 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.615 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion: 75 Resp: 22307

Ion Ratio Lower Upper

75 100

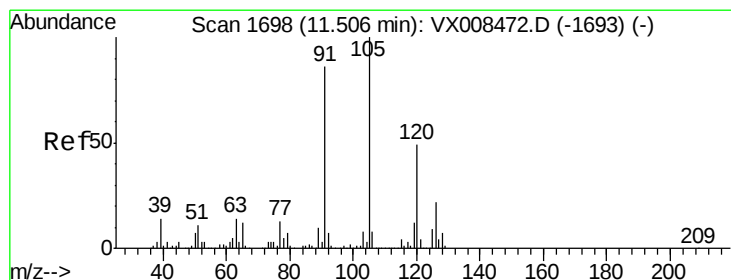
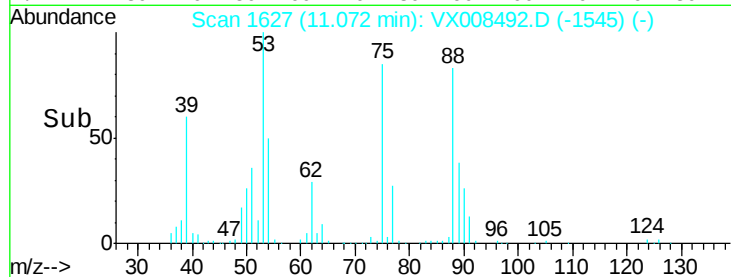
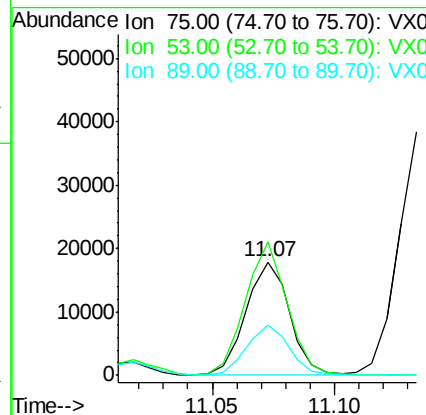
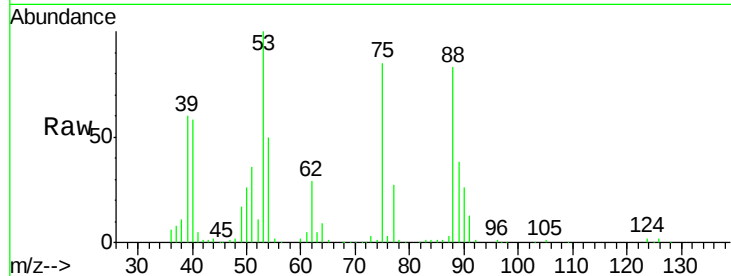
53 117.6 55.5 166.7

89 44.2 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.771 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008492.D

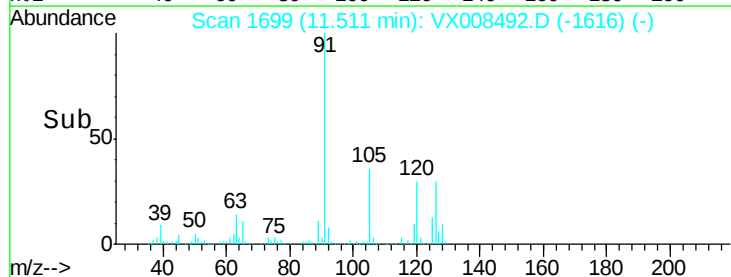
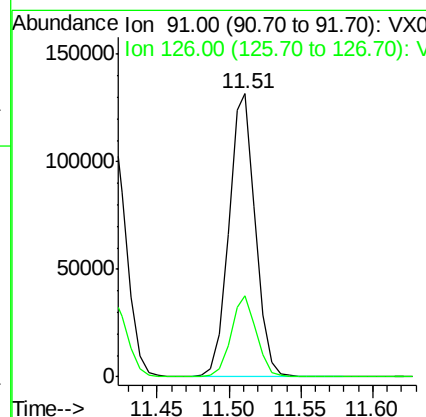
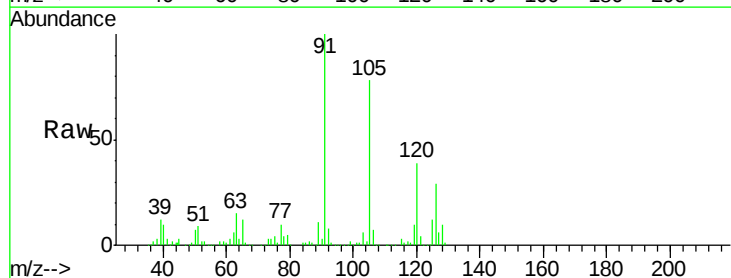
Acq: 27 Mar 2019 18:58

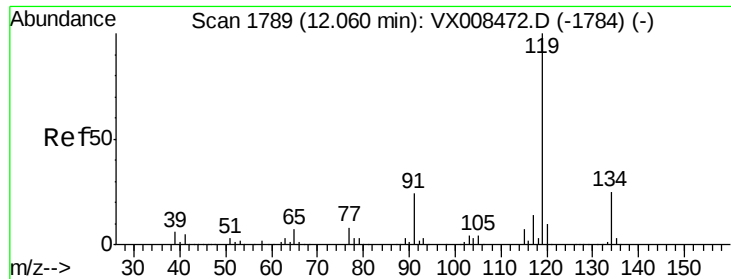
Tgt Ion: 91 Resp: 169723

Ion Ratio Lower Upper

91 100

126 27.5 0.0 66.2





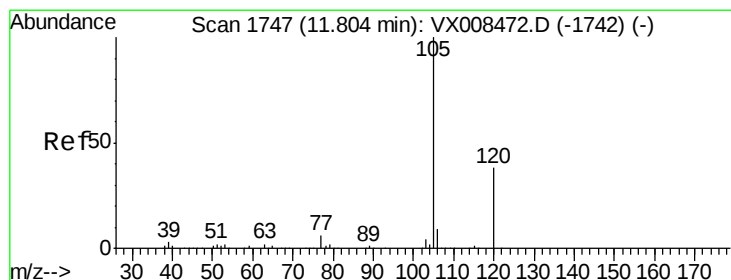
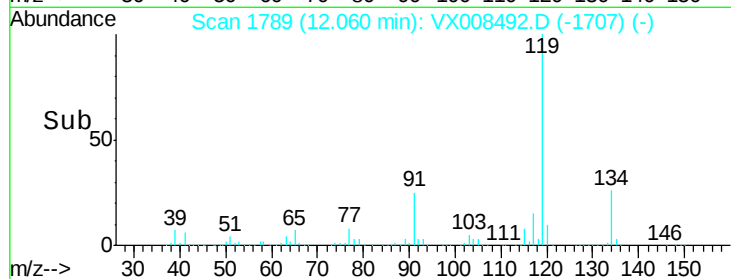
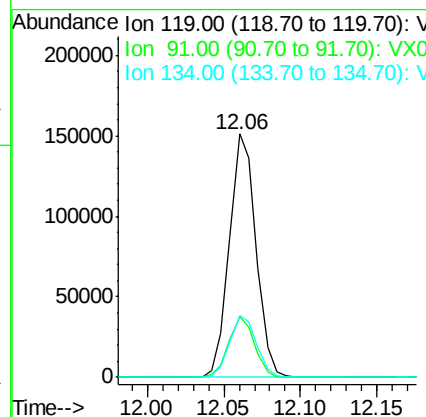
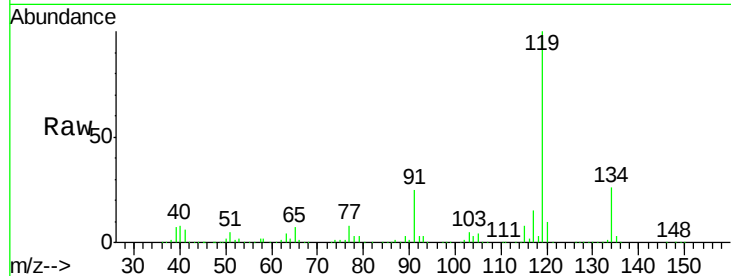
#79
tert-butylbenzene
Concen: 18.698 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	181081		
91	24.3	0.0	45.0	
134	25.6	0.0	55.4	

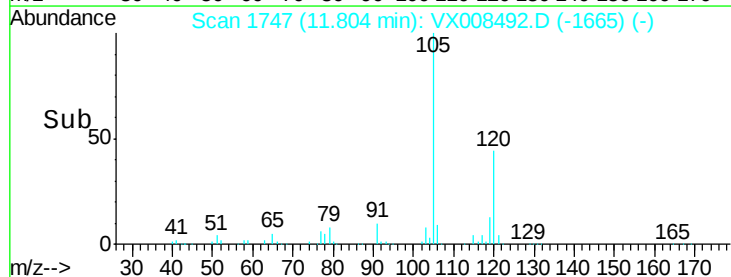
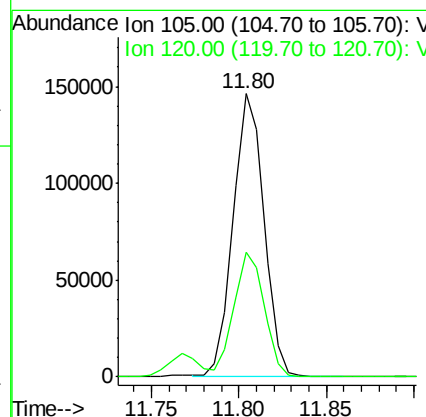
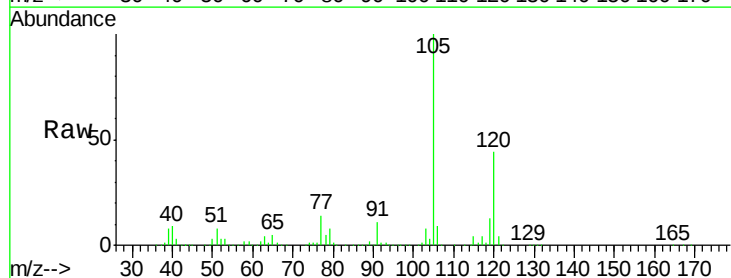
Manual Integrations
APPROVED

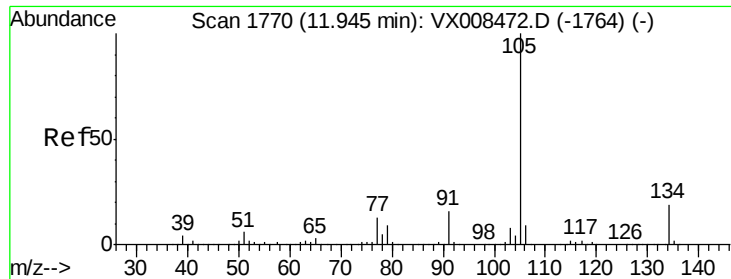
MMDadoda
3/28/2019 9:35:39 AM



#80
1,2,4-Trimethylbenzene
Concen: 18.998 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	179506		
120	43.3	0.0	94.0	





#81

sec-Butylbenzene

Concen: 18.953 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBSD01

Tot Ion:105 Resp: 205212

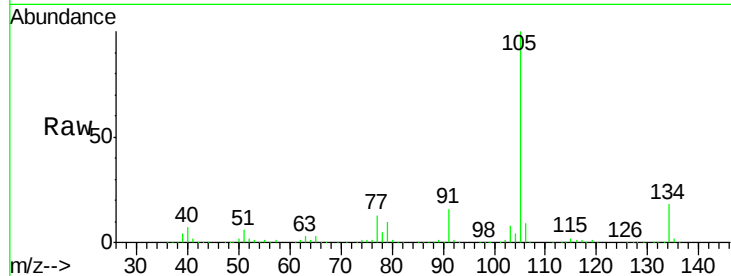
Ion Ratio Lower Upper

105 100

134 18.6 0.0 41.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

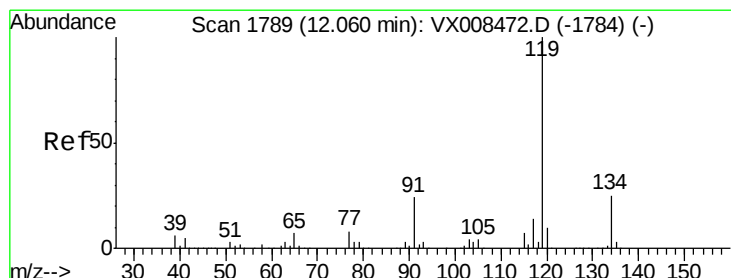
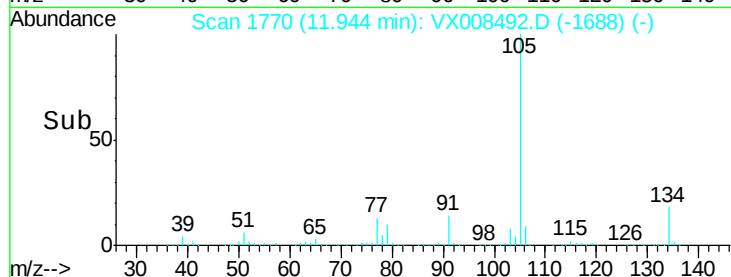
100000

50000

0

11.90 11.95 12.00

Time-->



#82

p-Isopropyltoluene

Concen: 18.698 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

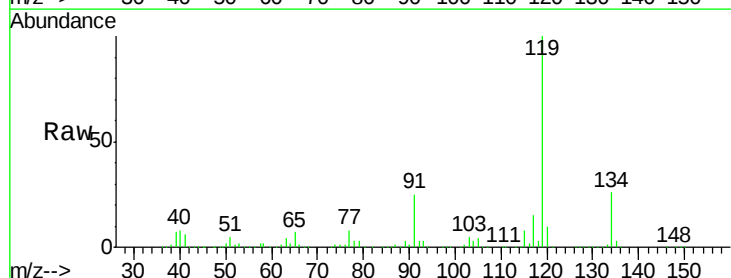
Tgt Ion:119 Resp: 181081

Ion Ratio Lower Upper

119 100

134 25.6 0.0 55.4

91 24.3 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

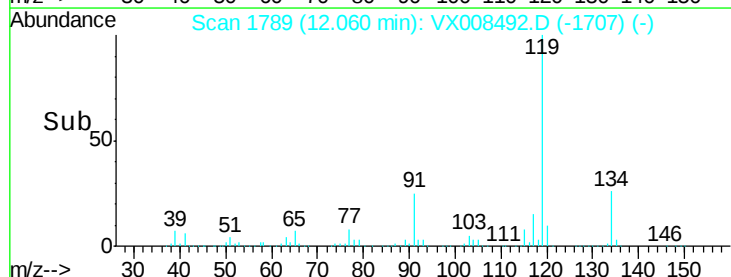
100000

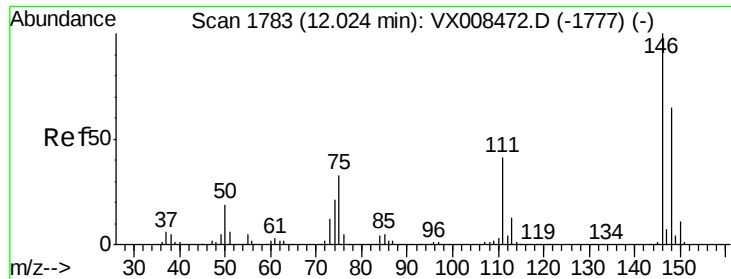
50000

0

12.00 12.05 12.10 12.15

Time-->





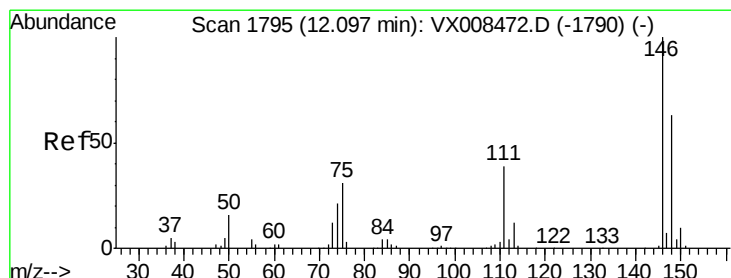
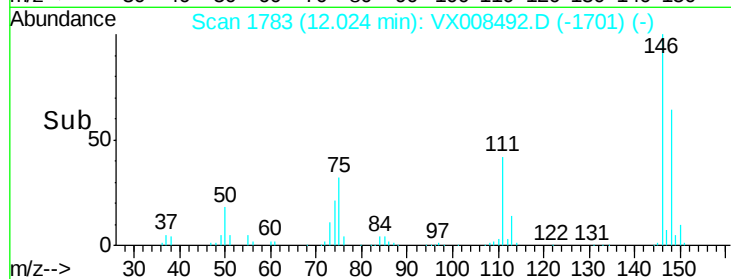
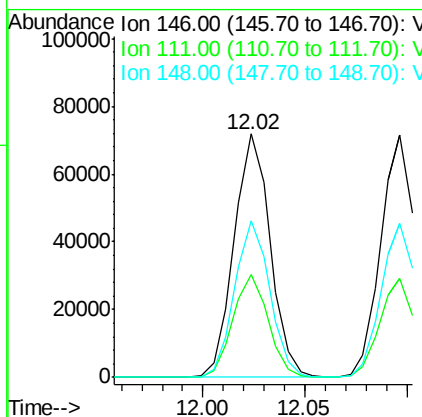
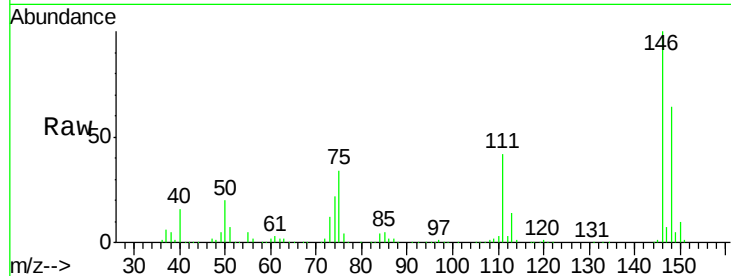
#83
 1,3-Dichlorobenzene
 Concen: 18.802 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.8	56.3
148	63.0	30.6	91.8

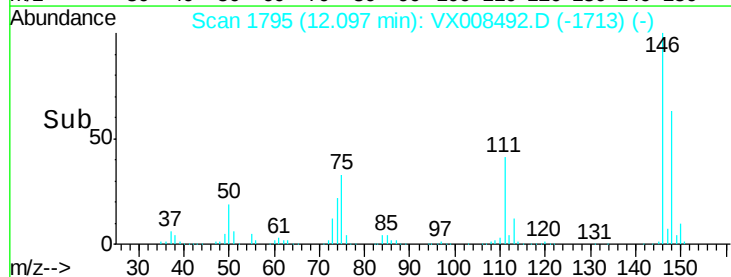
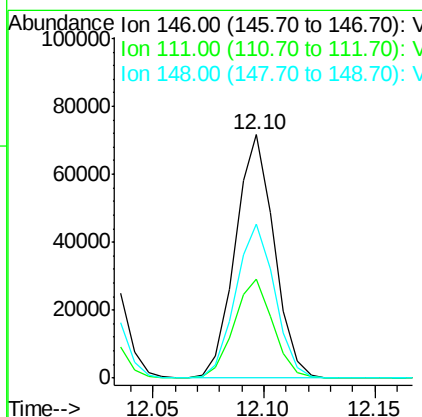
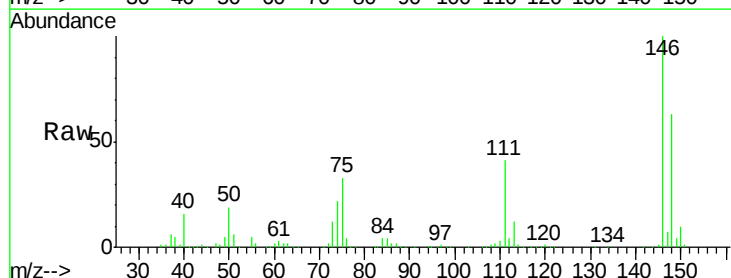
Manual Integrations
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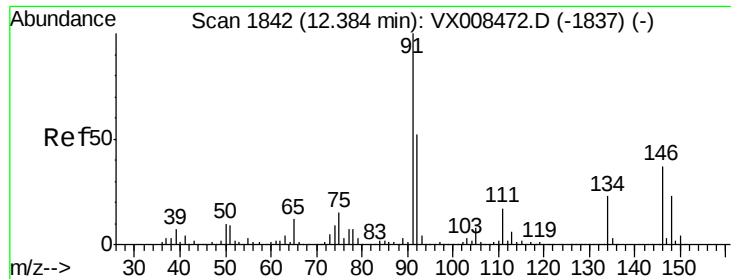
MMDadoda
 3/28/2019 9:35:39 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.642 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	17.6	52.8
148	63.4	31.4	94.2





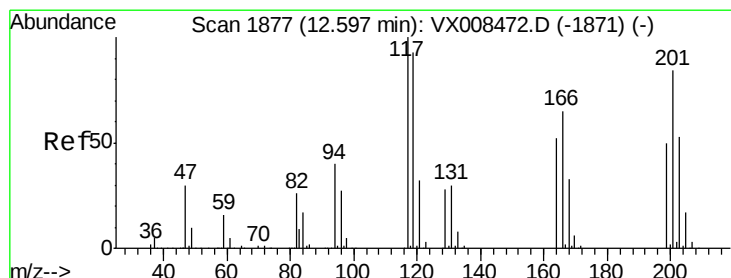
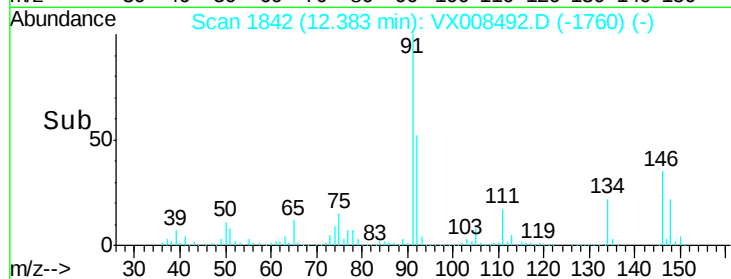
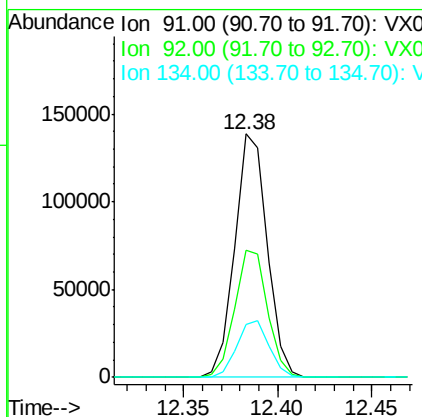
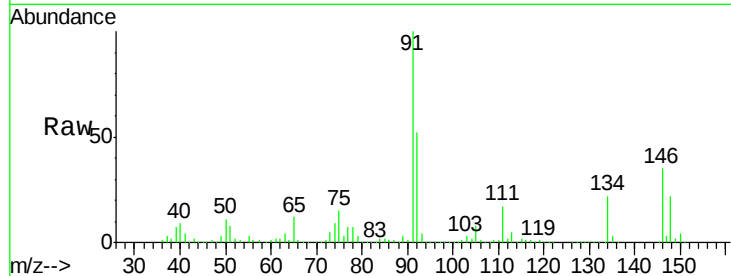
#85
n-Butylbenzene
Concen: 17.962 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0327WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165275		
92	52.7		0.0	105.2
134	23.4		0.0	56.4

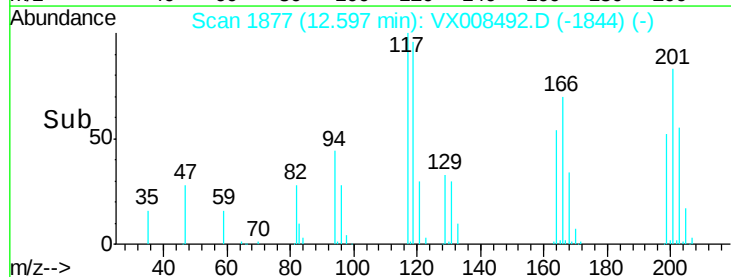
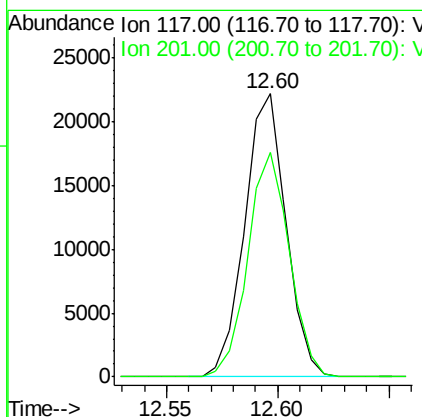
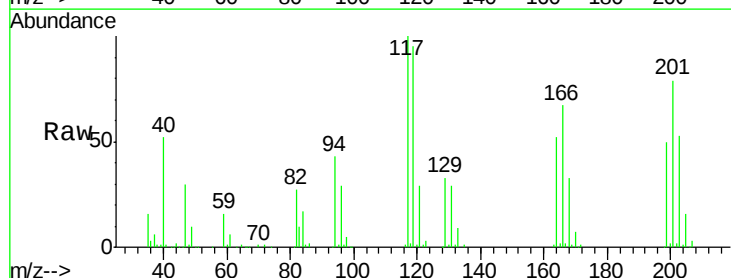
Manual Integrations
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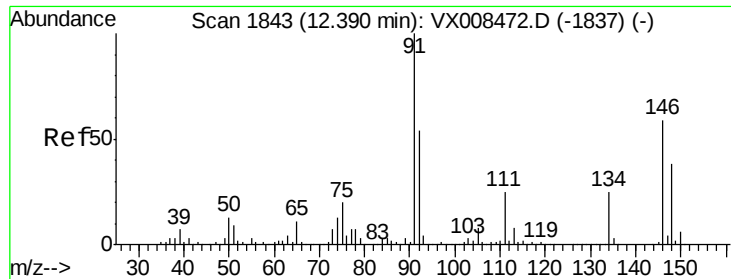
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#86
Hexachloroethane
Concen: 17.740 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008492.D
Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28704		
201	79.5		41.1	123.3





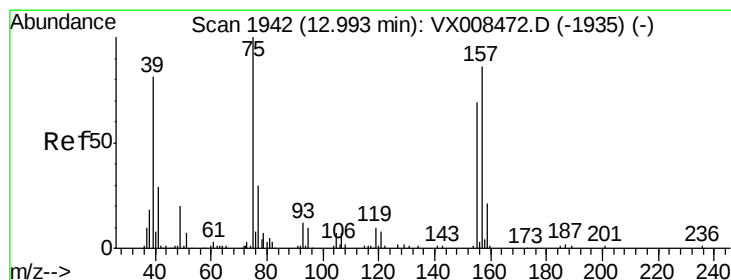
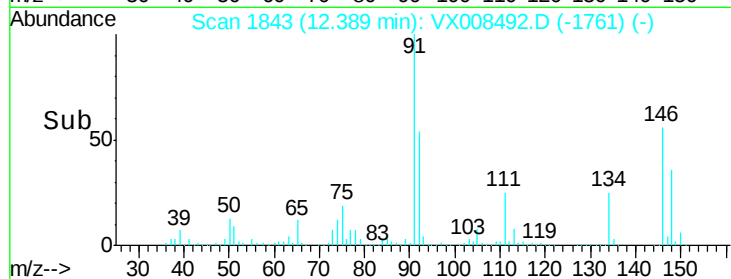
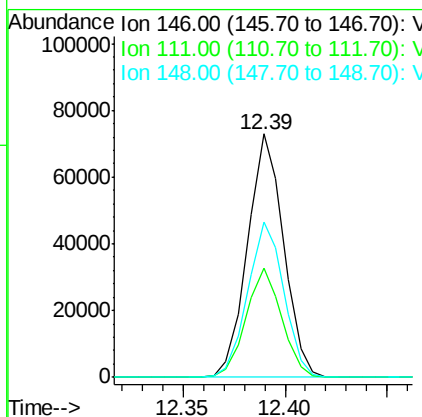
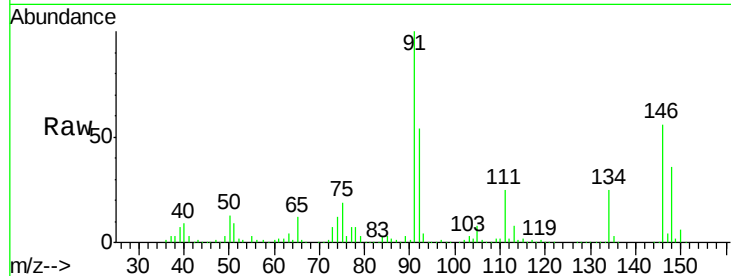
#87
 1,2-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0327WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.3	57.8
148	64.1	32.1	96.3

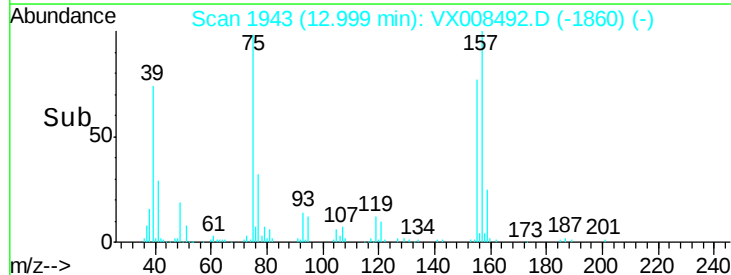
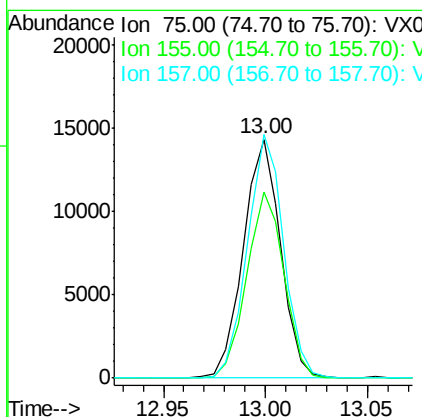
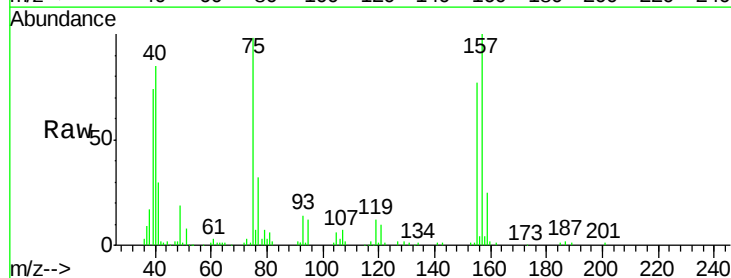
Manual Integrations
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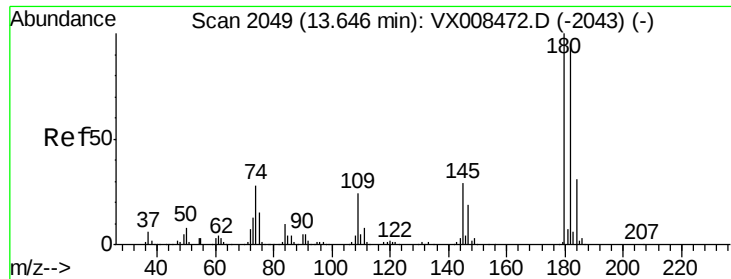
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.807 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	81.0	121.6#
157	99.4	103.2	154.8#





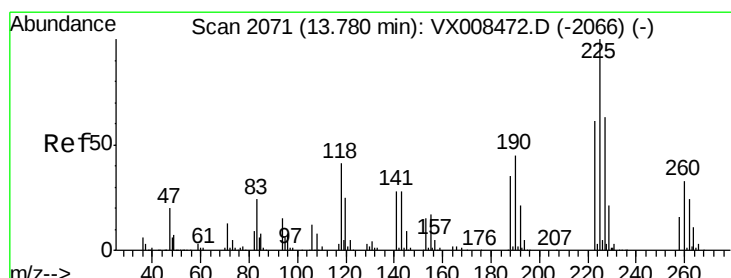
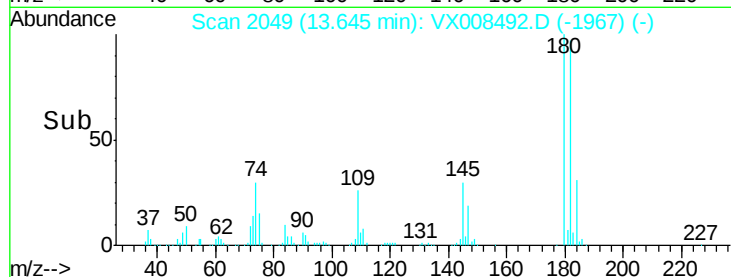
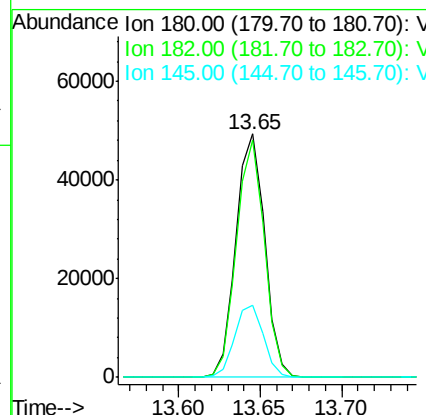
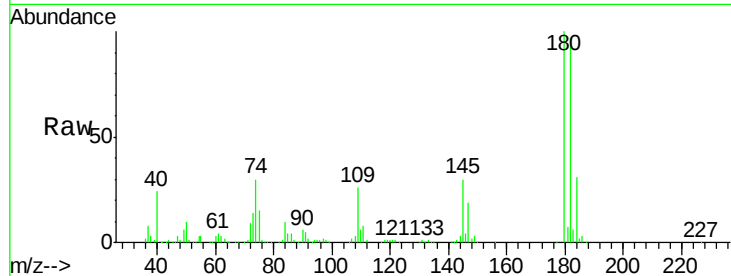
#89
 1,2,4-Trichlorobenzene
 Concen: 18.660 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Tot Ion:	180	Resp:	60720
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.6	113.4
145	29.7	23.0	34.6

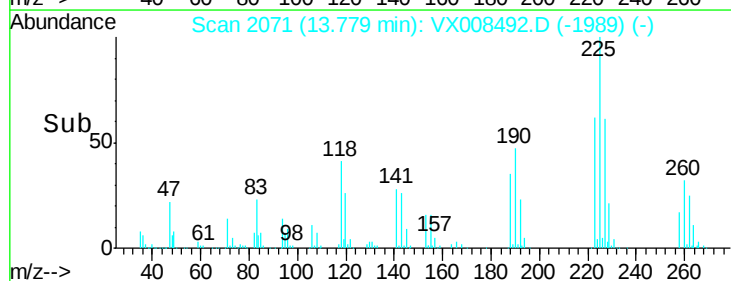
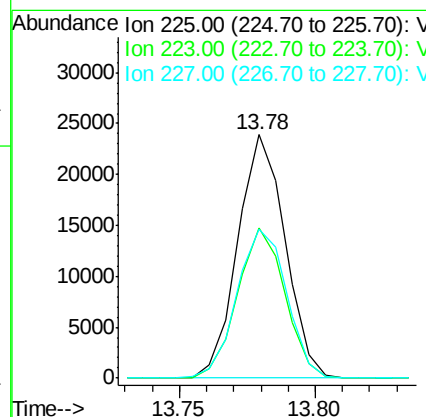
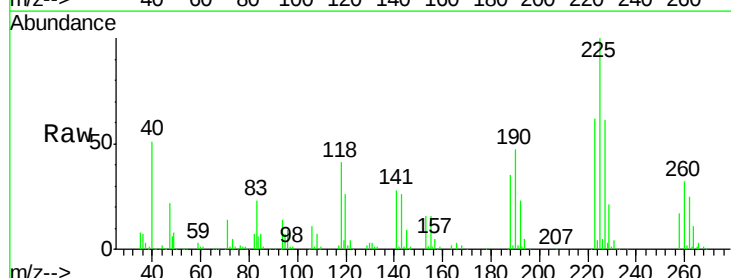
Manual Integrations
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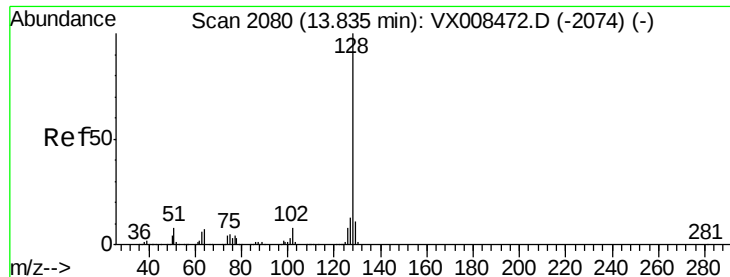
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#90
 Hexachlorobutadiene
 Concen: 18.358 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008492.D
 Acq: 27 Mar 2019 18:58

Tgt Ion:	225	Resp:	28778
Ion Ratio	Lower	Upper	
225	100		
223	62.4	0.0	123.8
227	64.3	0.0	124.4





#91

Naphthalene

Concen: 19.939 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Instrument :

MSVOA_X

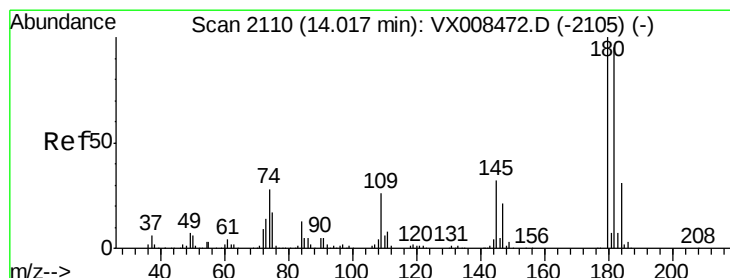
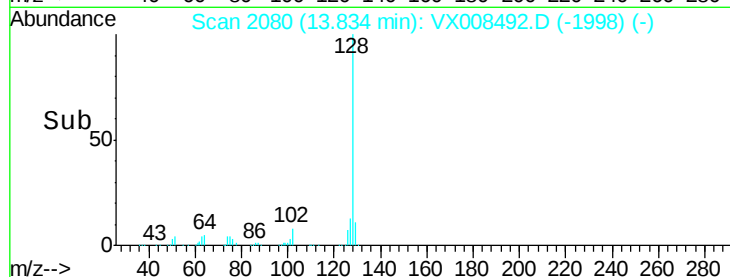
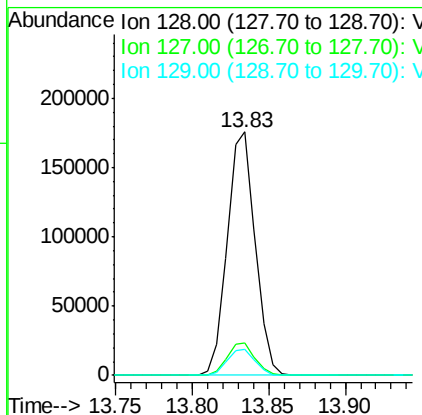
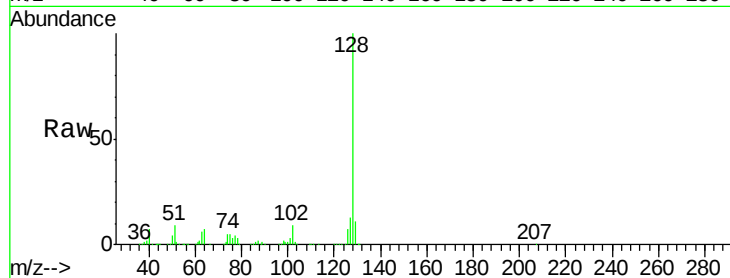
ClientSampleId :

VX0327WBSD01

Tot Ion:	128	Resp:	222293
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 19.491 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008492.D

Acq: 27 Mar 2019 18:58

Tgt Ion:	180	Resp:	63888
Ion Ratio	Lower	Upper	
180	100		
182	94.5	0.0	193.0
145	32.6	0.0	63.0

