

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009261.D
 Acq On : 01 May 2019 18:01
 Operator : JC/SP
 Sample : VX0501WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0501WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:46 AM

Quant Time: May 02 07:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31398	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	179919	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	157753	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75406	28.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.50%
60) 4-Bromofluorobenzene	11.13	95	80297	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.71	98	228381	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33203	19.901	ug/l 98
3) Chloromethane	1.32	50	45877	20.458	ug/l 99
4) Vinyl Chloride	1.41	62	44794	20.022	ug/l 98
5) Bromomethane	1.64	94	26179	18.460	ug/l 99
6) Chloroethane	1.72	64	27743	18.909	ug/l 98
7) Trichlorofluoromethane	1.93	101	55114	19.951	ug/l 98
8) Diethyl Ether	2.19	74	25391	19.794	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33877	19.807	ug/l 99
10) 1,1-Dichloroethene	2.37	96	33774	19.666	ug/l 97
11) Methyl Iodide	2.51	142	35479	19.004	ug/l 98
12) Methyl Acetate	2.77	43	63656	19.679	ug/l 97
13) Acrolein	2.29	56	35236	79.421	ug/l 99
14) Acrylonitrile	3.14	53	139730	99.536	ug/l 100
15) Acetone	2.45	58	37912	94.062	ug/l 94
16) Carbon Disulfide	2.57	76	90816	19.545	ug/l 100
17) Allyl chloride	2.73	41	79882	19.375	ug/l 99
18) Methylene Chloride	2.85	84	41011	19.759	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	36560	19.966	ug/l 96
20) Diisopropyl ether	3.85	45	161984	19.951	ug/l 99
21) 1,1-Dichloroethane	3.70	63	76739	19.530	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	43721	19.823	ug/l 98
23) tert-Butyl Alcohol	3.05	59	59208	99.745	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	132421	19.703	ug/l 100
25) Chloroform	5.21	83	70982	19.796	ug/l 93
26) Cyclohexane	5.58	56	72422	19.776	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	51939	19.674	ug/l 97
30) 2-Butanone	4.67	43	208828	101.005	ug/l 100
31) 2,2-Dichloropropane	4.58	77	57230	19.664	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	57752	20.179	ug/l 98
33) Carbon Tetrachloride	5.78	117	48239	20.145	ug/l 96
34) Benzene	6.14	78	165528	20.337	ug/l 97
35) Methacrylonitrile	5.04	41	44620	20.628	ug/l 95
36) 1,2-Dichloroethane	6.19	62	60737	20.566	ug/l 100
37) Trichloroethene	7.21	130	38692	19.748	ug/l 92
38) Methylcyclohexane	7.46	83	65468	20.072	ug/l 99
39) 1,2-Dichloropropane	7.51	63	47408	20.454	ug/l 99
40) Dibromomethane	7.66	93	26847	20.408	ug/l 99

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Manual Integrations
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MMDadoda
 5/2/2019 10:53:46 AM

Quant Time: May 02 07:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	53419	19.880	ug/l	98
42) Vinyl Acetate	3.81	43	701705	102.833	ug/l	100
43) Ethyl Acetate	4.83	43	76000	20.343	ug/l	99
44) Isopropyl Acetate	6.45	43	121011	19.994	ug/l	99
45) 1,4-Dioxane	7.74	88	24596	413.932	ug/l	98
46) Methyl methacrylate	7.77	41	59736	19.775	ug/l	96
47) n-amyl Acetate	10.90	43	108589	19.917	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	61177	19.513	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	67946	19.741	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	40313	20.002	ug/l	97
51) Ethyl methacrylate	9.18	69	74202	19.923	ug/l	97
52) 1,3-Dichloropropane	9.37	76	73494	20.547	ug/l	100
53) Dibromochloromethane	9.58	129	39502	19.680	ug/l	99
54) 1,2-Dibromoethane	9.67	107	41300	19.980	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	199519	100.531	ug/l	100
56) Bromoform	10.85	173	28952	18.790	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	400883	103.348	ug/l	100
59) 2-Hexanone	9.49	43	311900	102.516	ug/l	99
61) Tetrachloroethene	9.34	164	36307	20.877	ug/l	96
62) Toluene	8.78	91	175069	20.768	ug/l	99
64) Chlorobenzene	10.14	112	103649	20.431	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37617	20.251	ug/l	100
66) Ethyl Benzene	10.25	91	192014	20.447	ug/l	99
67) m/p-Xylenes	10.36	106	142019	41.421	ug/l	98
68) o-Xylene	10.69	106	68618	20.353	ug/l	100
69) Styrene	10.71	104	120592	20.376	ug/l	99
70) Isopropylbenzene	11.02	105	186642	20.585	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	68116	20.514	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	59669m	20.853	ug/l	
73) Bromobenzene	11.26	156	44927	20.055	ug/l	99
74) n-propylbenzene	11.36	91	213810	20.350	ug/l	100
75) 2-Chlorotoluene	11.42	91	128142	20.334	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	156892	20.428	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	21173	18.344	ug/l	95
78) 4-Chlorotoluene	11.51	91	143451	20.042	ug/l	99
79) tert-butylbenzene	11.77	119	152028	20.476	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	157994	20.525	ug/l	99
81) sec-Butylbenzene	11.94	105	179743	20.377	ug/l	100
82) p-Isopropyltoluene	12.06	119	164202	20.464	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	79744	19.933	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	79849	20.033	ug/l	99
85) n-Butylbenzene	12.38	91	144268	19.649	ug/l	100
86) Hexachloroethane	12.59	117	26602	19.483	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	81076	20.132	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15601	20.219	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	57853	20.156	ug/l	99
90) Hexachlorobutadiene	13.78	225	28779	20.072	ug/l	99
91) Naphthalene	13.83	128	195606	20.814	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	61065	20.929	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Manual Integrations
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MMDadoda
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Quant Time: May 02 07:07:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

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

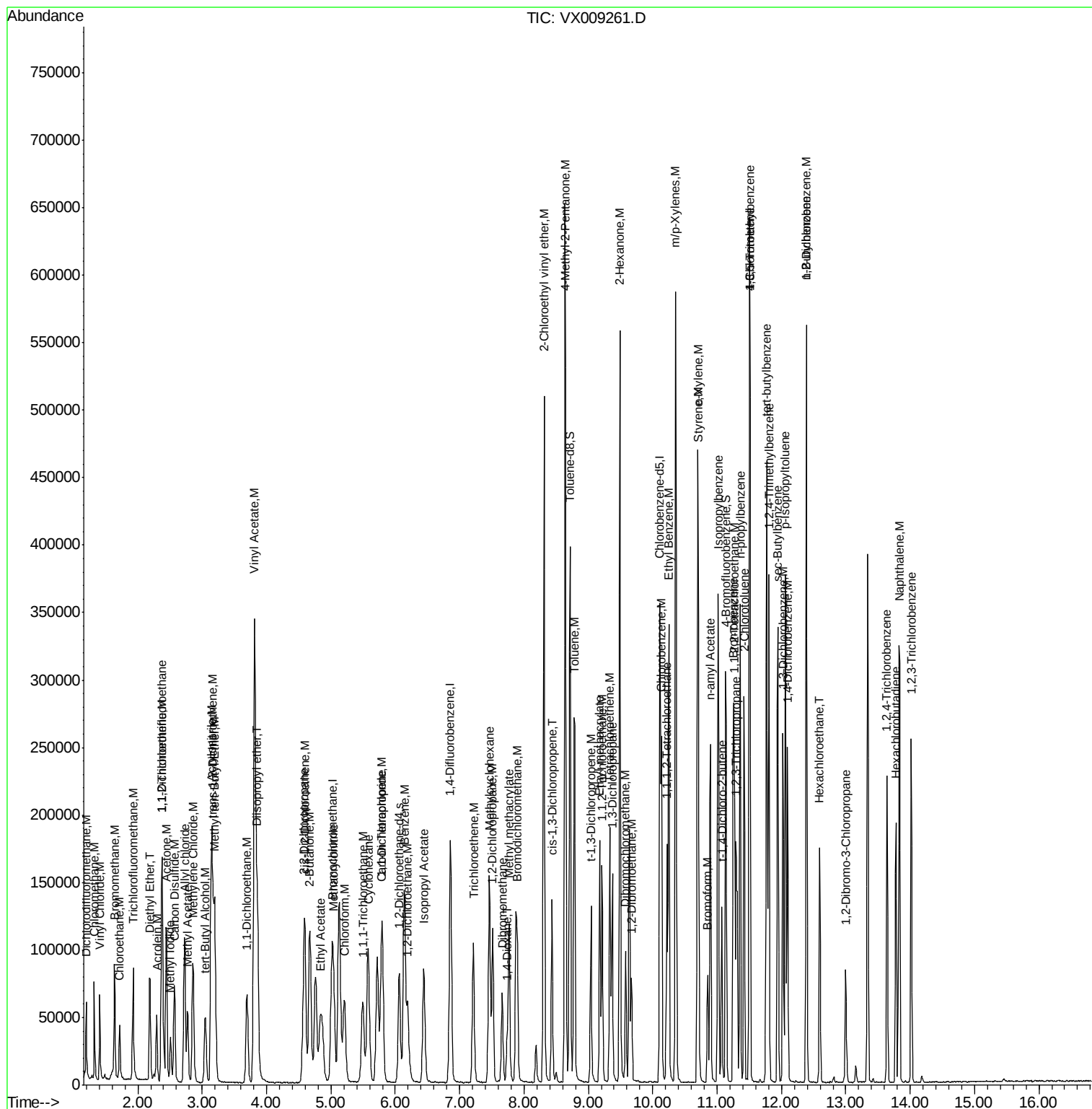
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
Data File : VX009261.D
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ALS Vial : 13 Sample Multiplier: 1

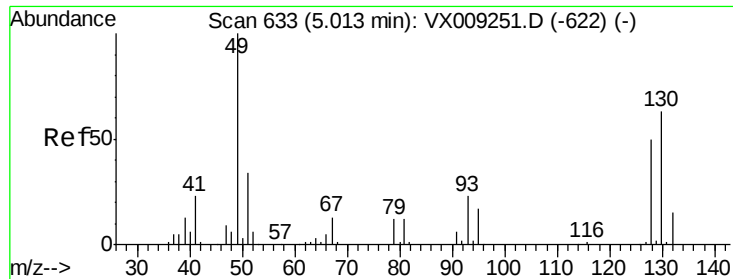
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:46 AM

Quant Time: May 02 07:07:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion:128 Resp: 31398

Ion Ratio Lower Upper

128 100

49 199.4 0.0 515.0

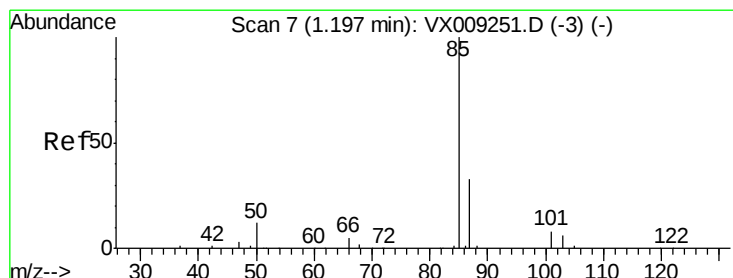
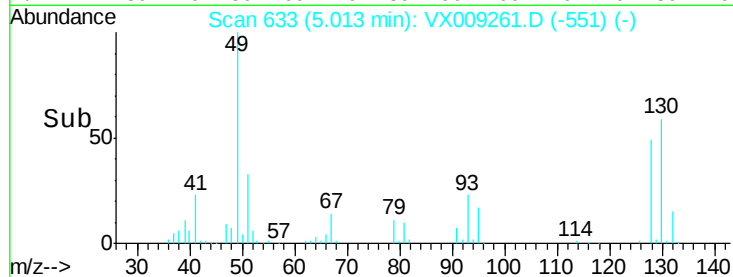
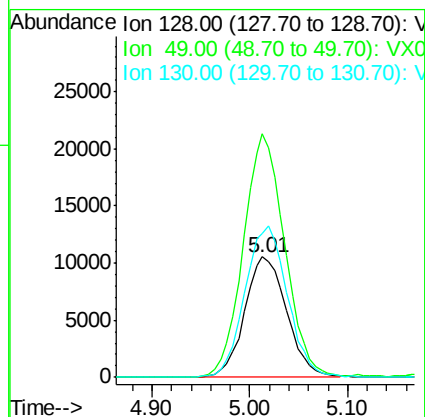
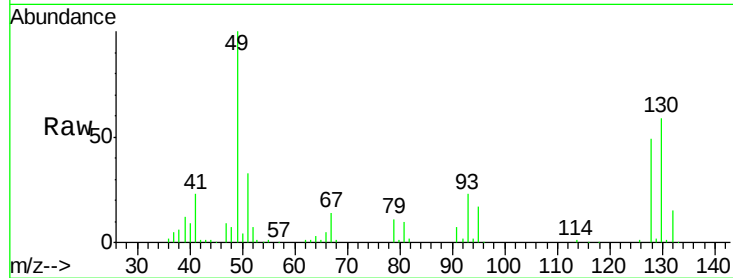
130 127.1 0.0 323.3

Manual Integrations

APPROVED

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5/2/2019 10:53:46 AM



#2

Dichlorodifluoromethane

Concen: 19.901 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009261.D

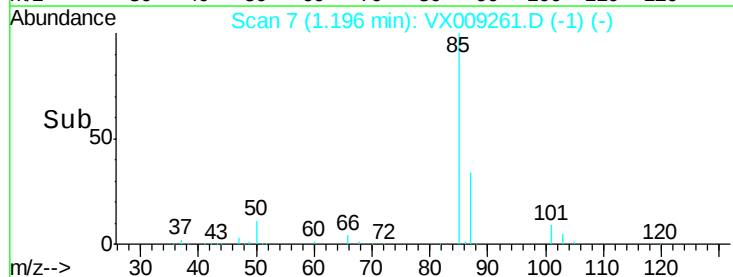
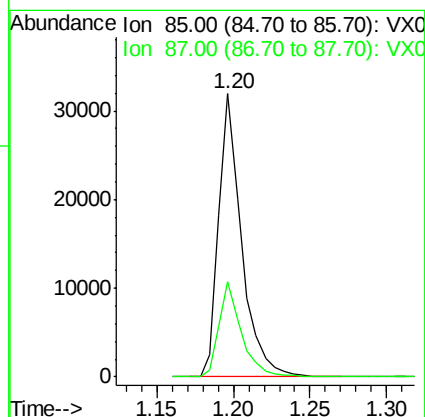
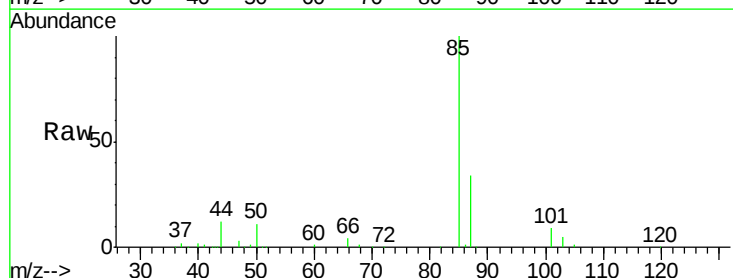
Acq: 01 May 2019 18:01

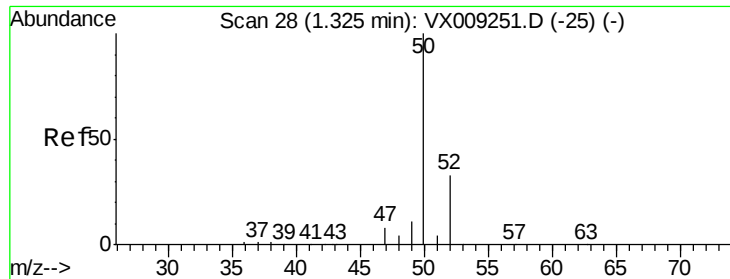
Tgt Ion: 85 Resp: 33203

Ion Ratio Lower Upper

85 100

87 33.8 16.3 48.9





#3

Chloromethane

Concen: 20.458 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion: 50 Resp: 45877

Ion Ratio Lower Upper

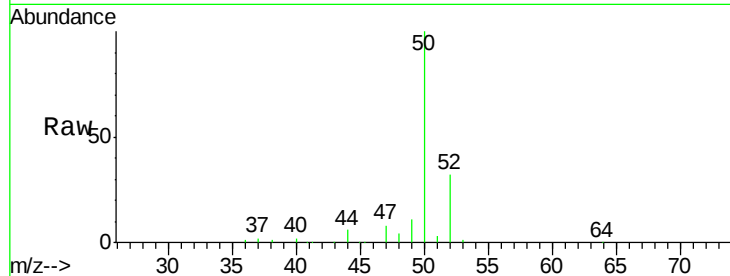
50 100

52 32.2 26.3 39.5

Manual Integrations
APPROVED

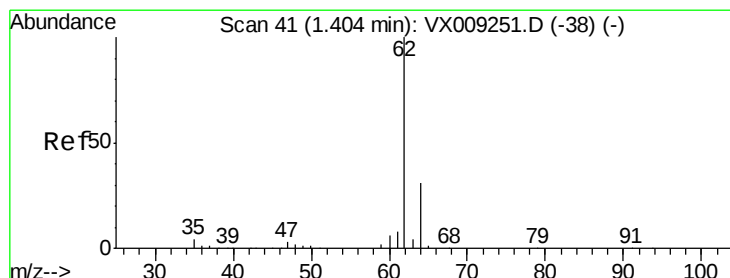
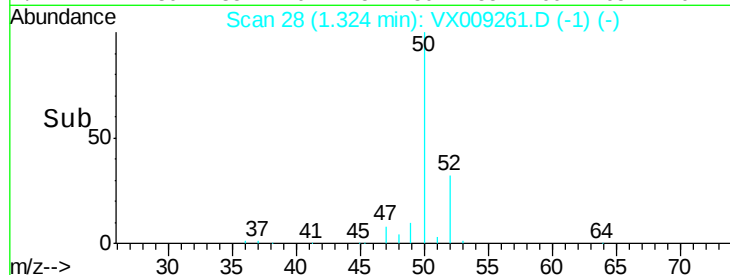
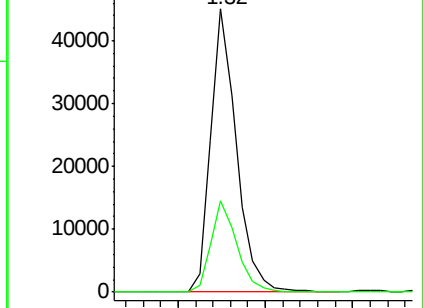
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009261.D

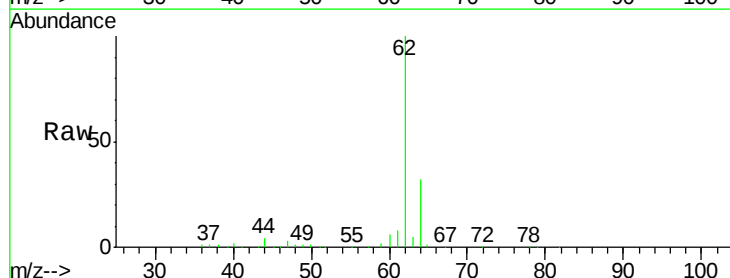
Acq: 01 May 2019 18:01

Tgt Ion: 62 Resp: 44794

Ion Ratio Lower Upper

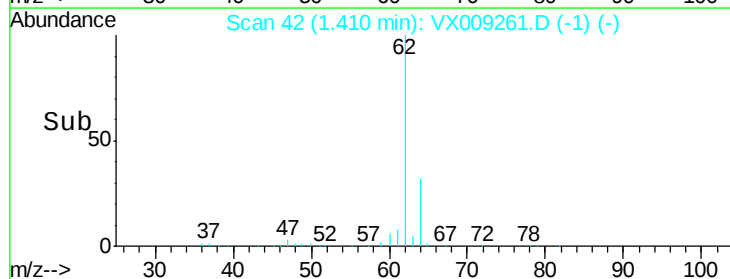
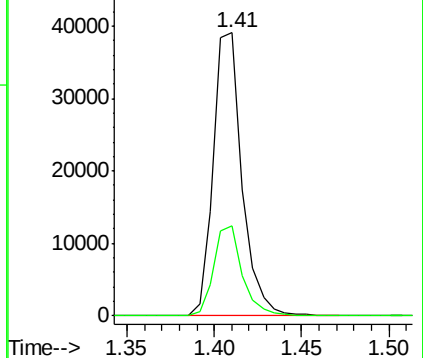
62 100

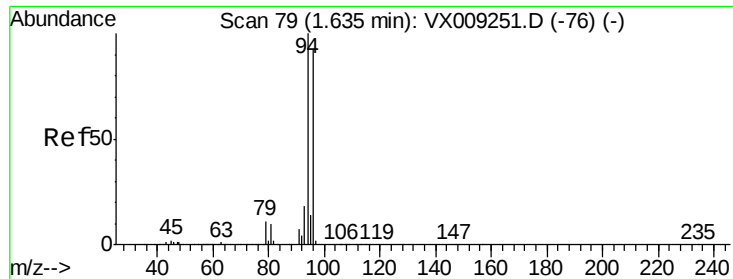
64 31.9 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.460 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion: 94 Resp: 26179

Ion Ratio Lower Upper

94 100

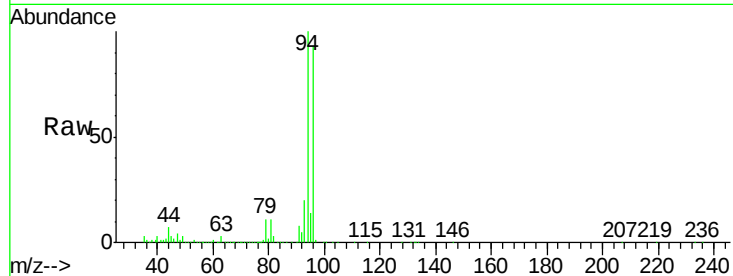
96 92.6 73.5 110.3

Manual Integrations

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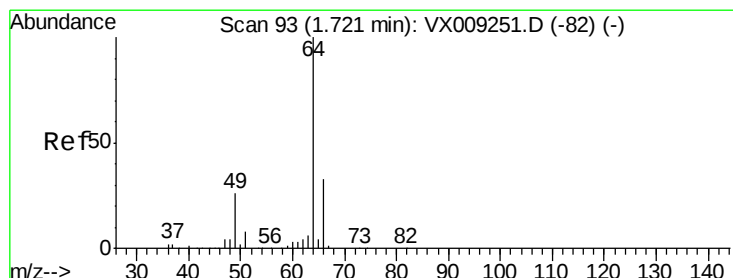
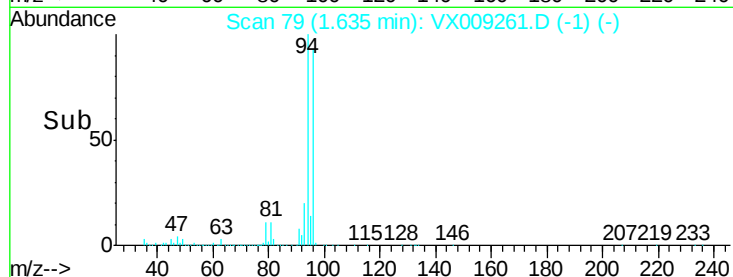
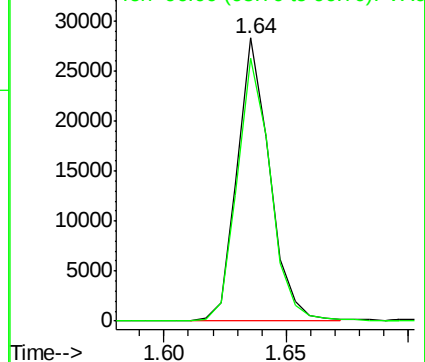
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.909 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009261.D

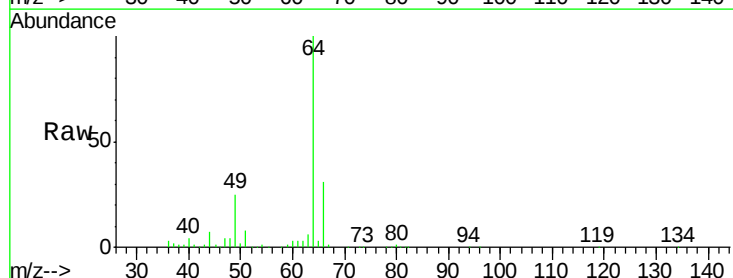
Acq: 01 May 2019 18:01

Tgt Ion: 64 Resp: 27743

Ion Ratio Lower Upper

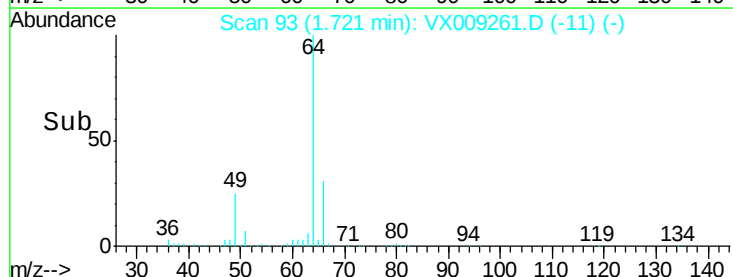
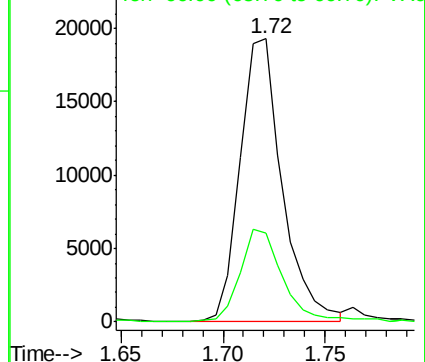
64 100

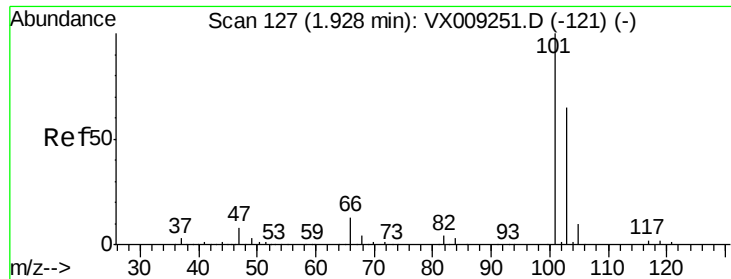
66 31.0 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

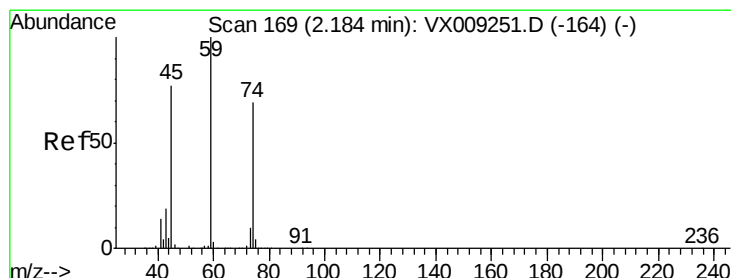
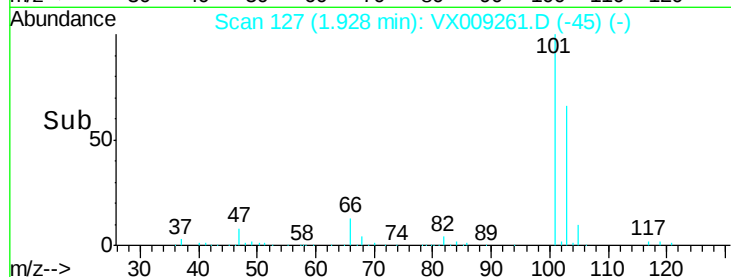
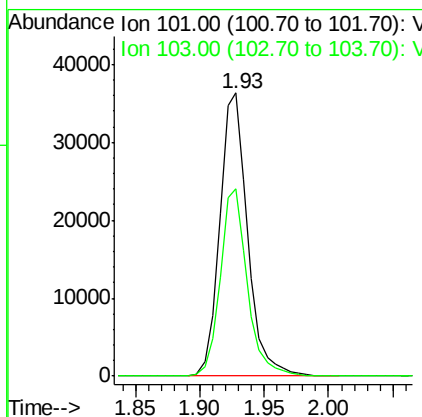
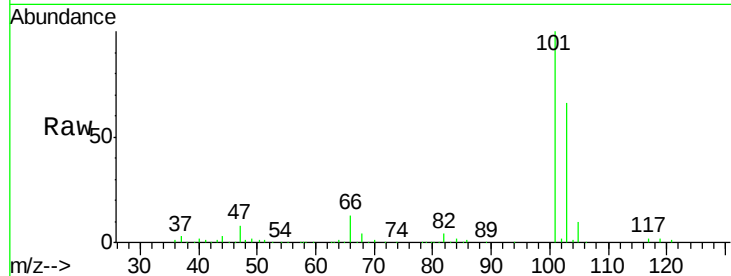
Trichlorofluoromethane
Concen: 19.951 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.9	77.9

Manual Integrations
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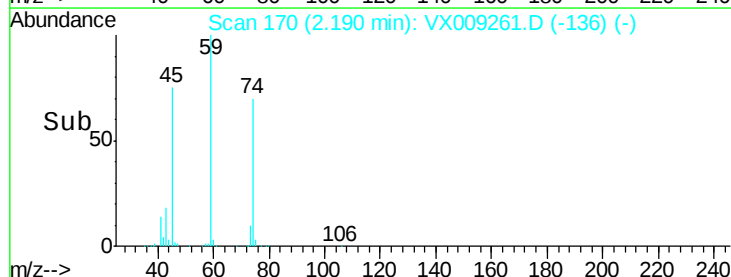
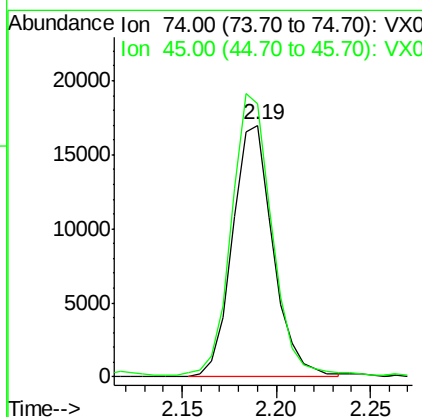
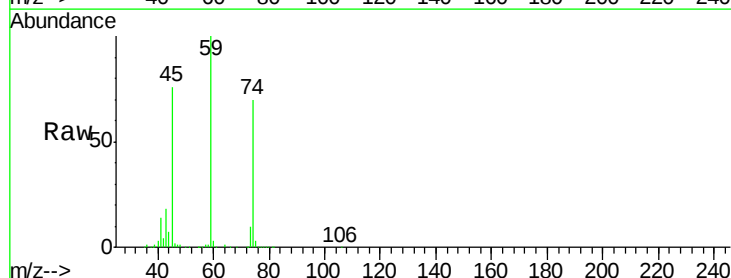
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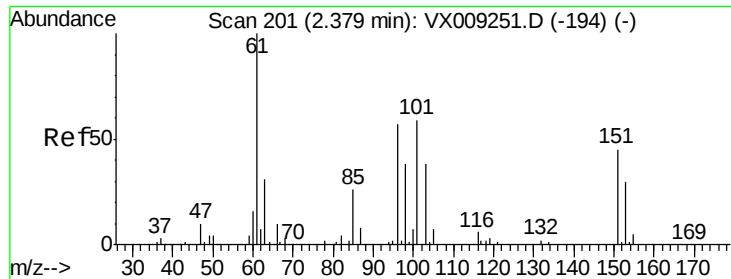


#8

Diethyl Ether
Concen: 19.794 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.807 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

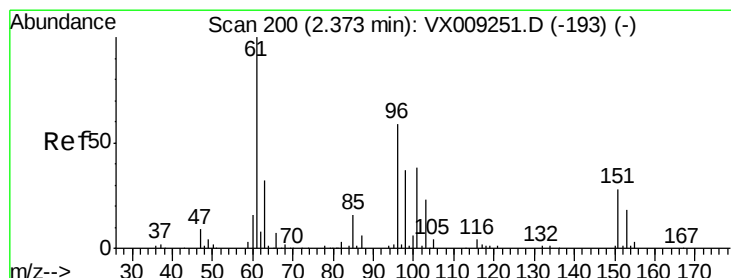
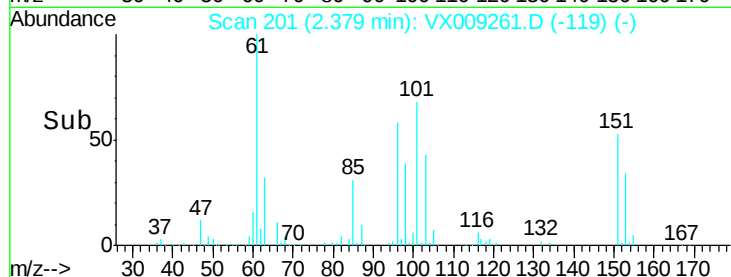
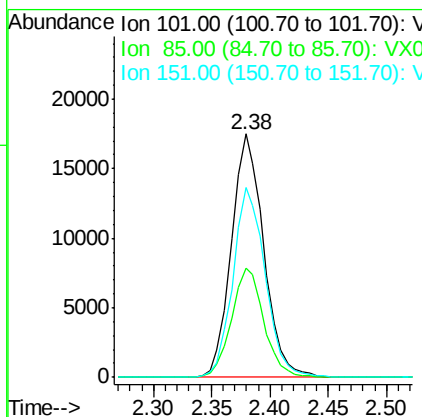
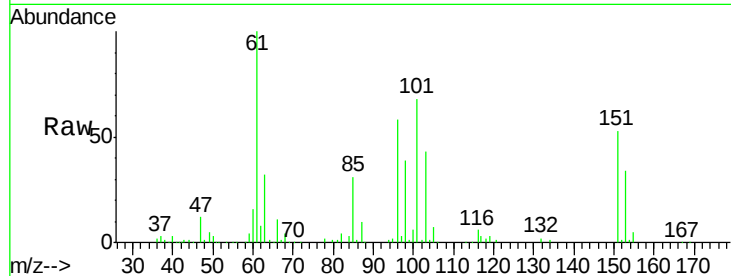
ClientSampled :

VX0501WBS01

Tot Ion:	101	Resp:	33877
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	87.4
151	77.9	0.0	157.0

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:46 AM



#10

1,1-Dichloroethene

Concen: 19.666 ug/l

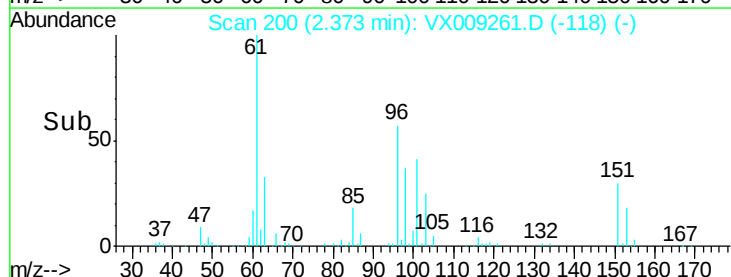
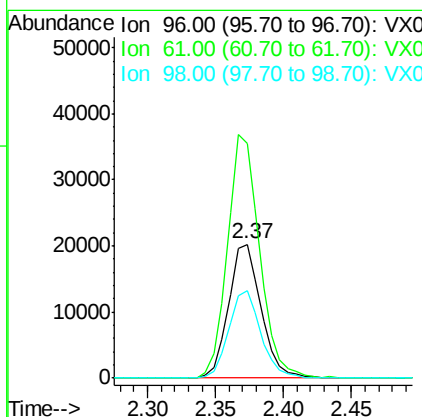
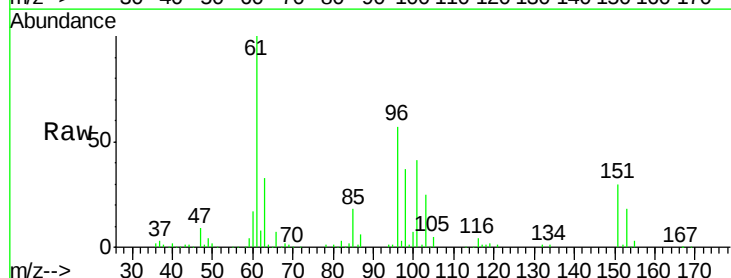
RT: 2.37 min Scan# 200

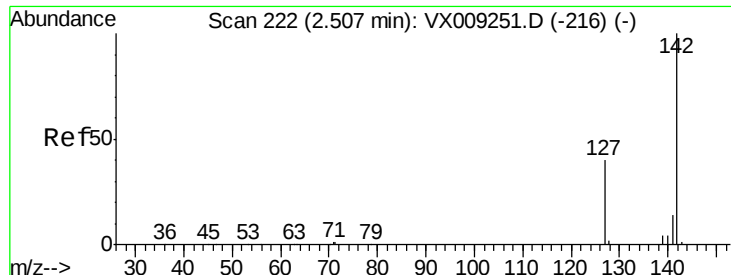
Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion:	96	Resp:	33774
Ion Ratio	Lower	Upper	
96	100		
61	175.3	136.5	204.7
98	65.7	51.0	76.4





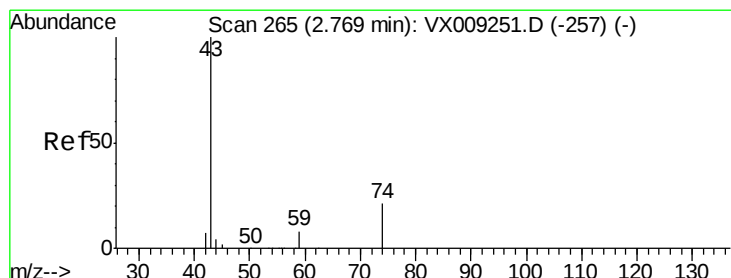
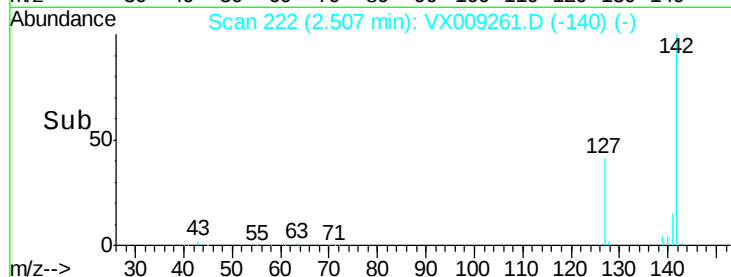
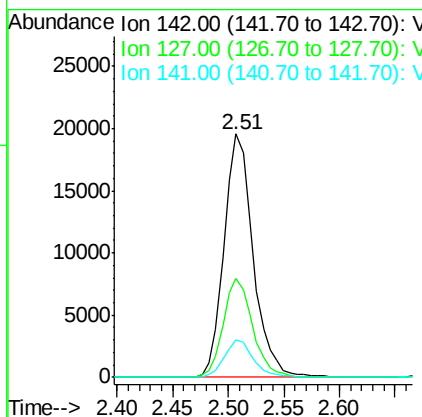
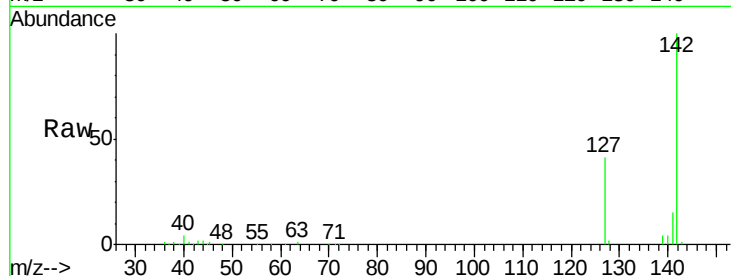
#11
Methyl Iodide
Concen: 19.004 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.7	20.2	60.5
141	15.5	6.9	20.7

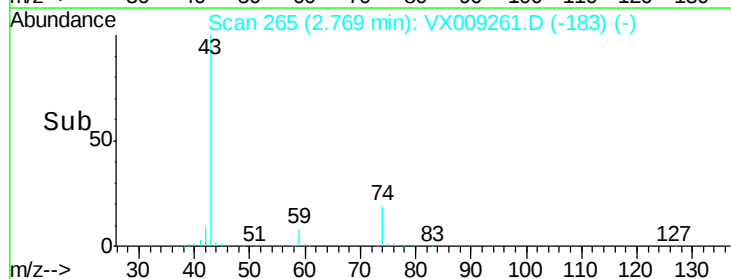
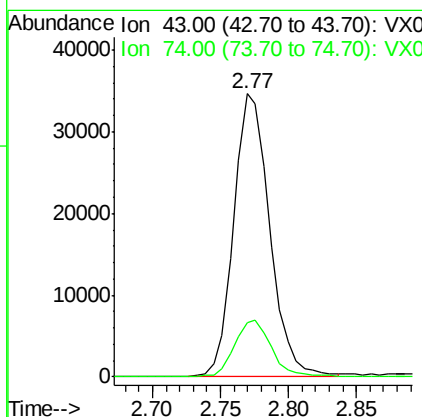
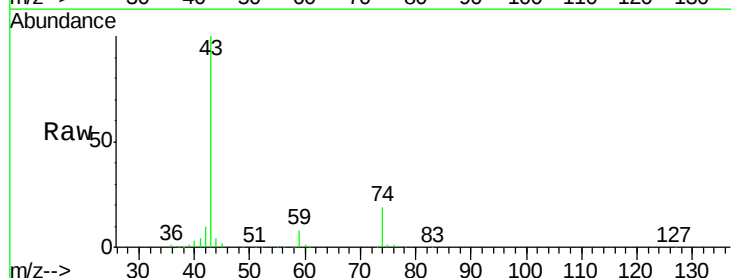
Manual Integrations
APPROVED

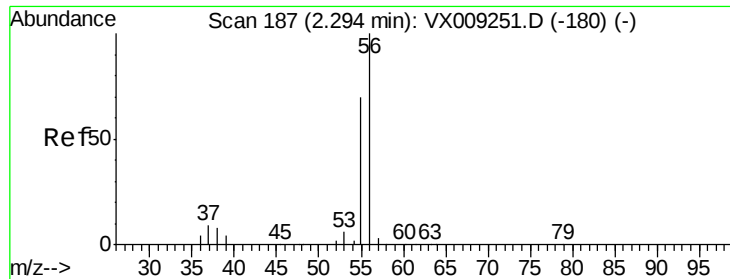
MMDadoda
5/2/2019 10:53:46 AM



#12
Methyl Acetate
Concen: 19.679 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	16.5	24.7





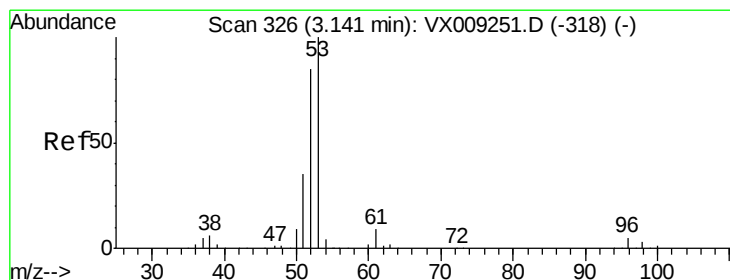
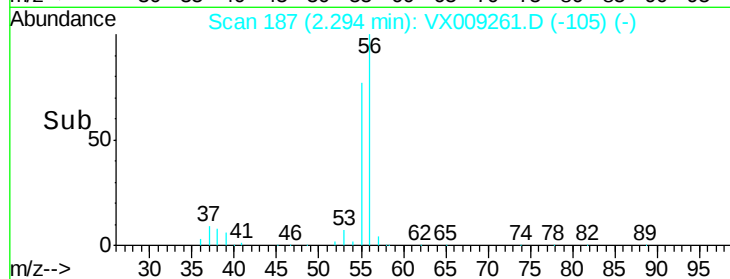
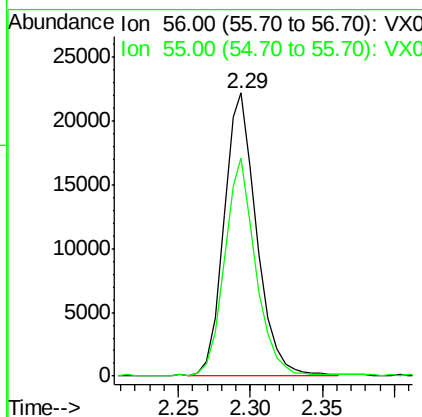
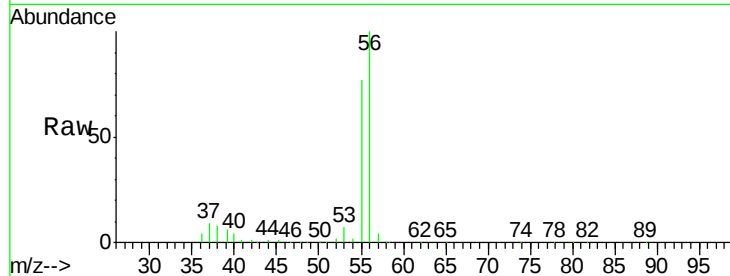
#13
Acrolein
Concen: 79.421 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion	56	55	Ratio	Lower	Upper
35236	100	72.3		56.9	85.3

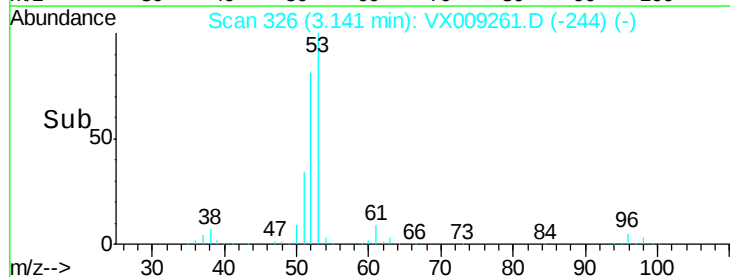
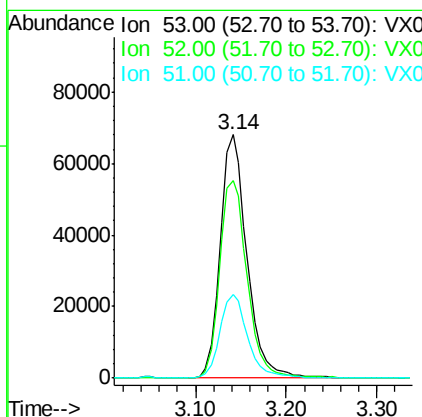
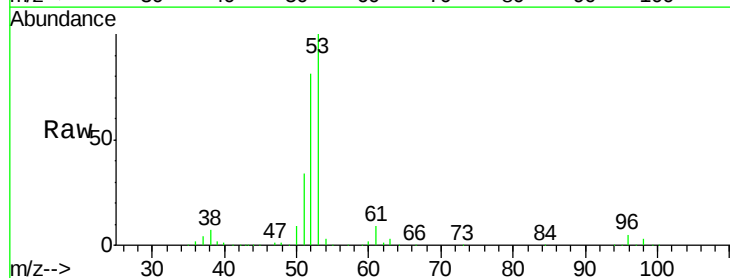
Manual Integrations
APPROVED

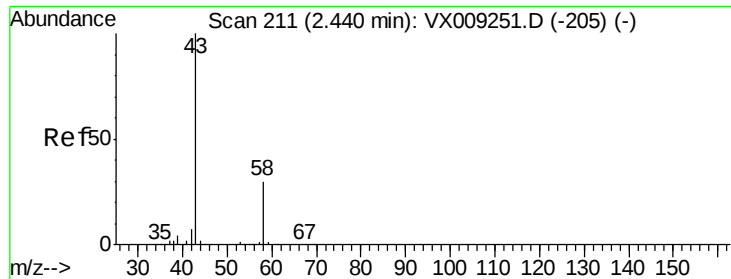
MMDadoda
5/2/2019 10:53:46 AM



#14
Acrylonitrile
Concen: 99.536 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	53	52	51	Ratio	Lower	Upper
139730	100	83.2	35.8		41.5	124.5
					17.8	53.3





#15

Acetone

Concen: 94.062 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion: 58 Resp: 37912

Ion Ratio Lower Upper

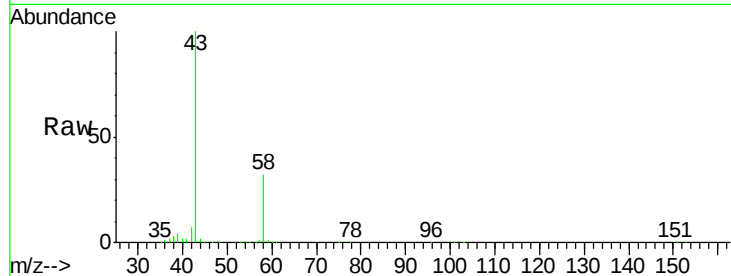
58 100

43 316.7 264.0 396.0

Manual Integrations
APPROVED

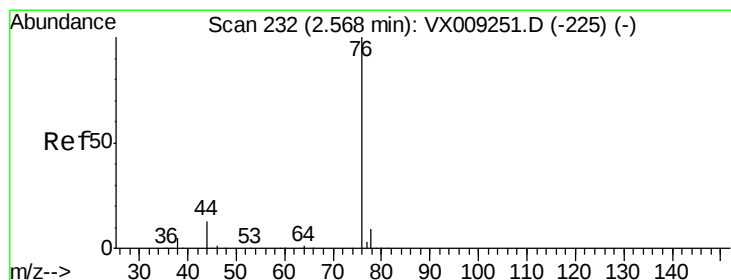
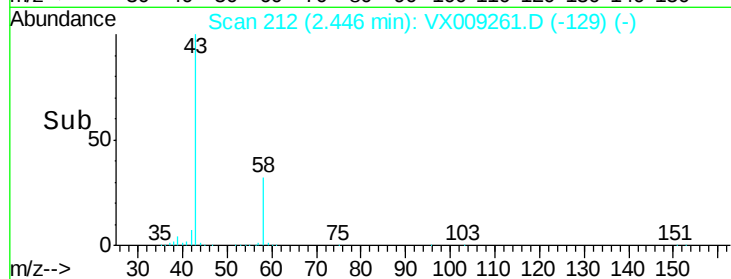
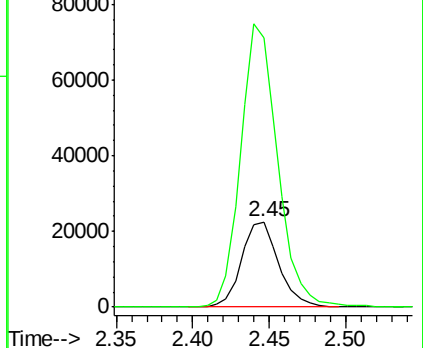
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.545 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009261.D

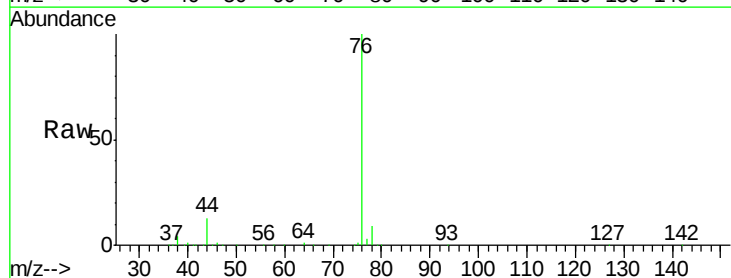
Acq: 01 May 2019 18:01

Tgt Ion: 76 Resp: 90816

Ion Ratio Lower Upper

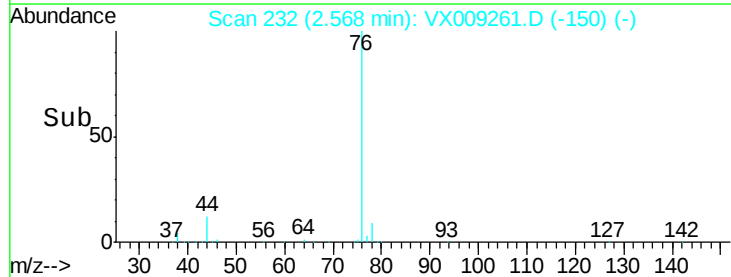
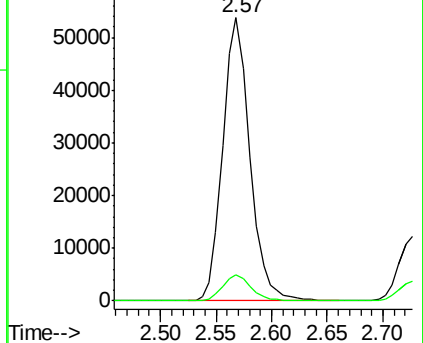
76 100

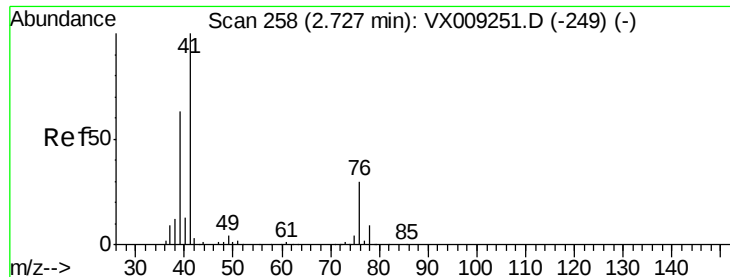
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





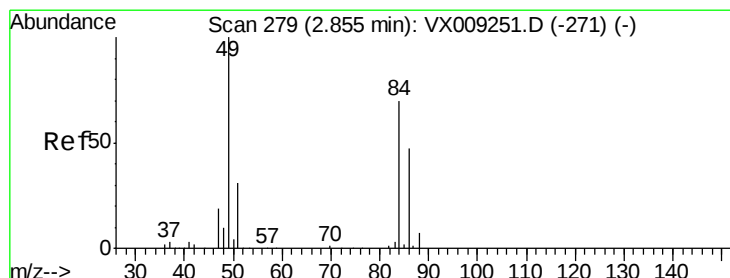
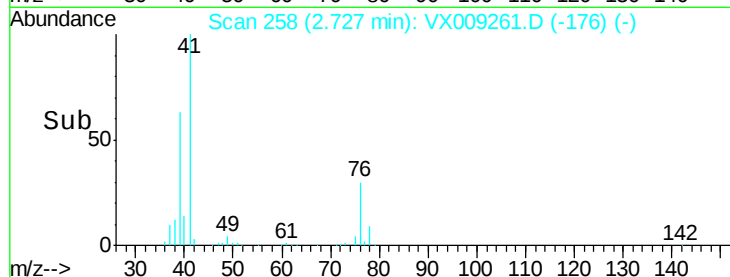
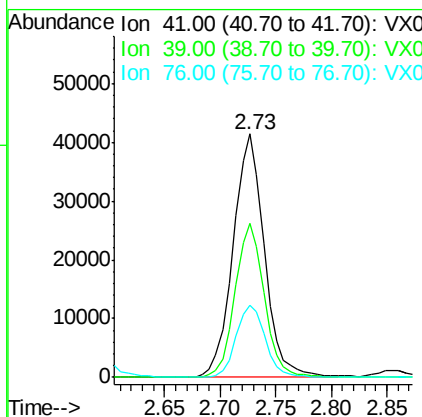
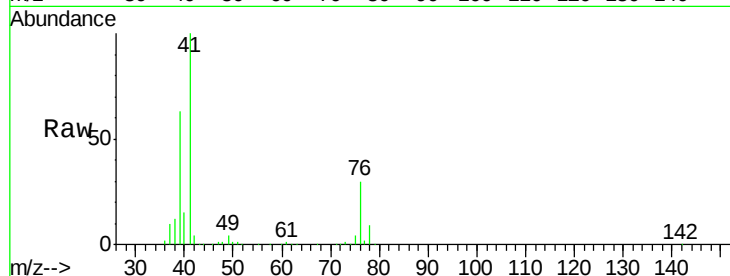
#17
Allvl chloride
Concen: 19.375 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.5	31.6	94.7
76	29.7	15.1	45.3

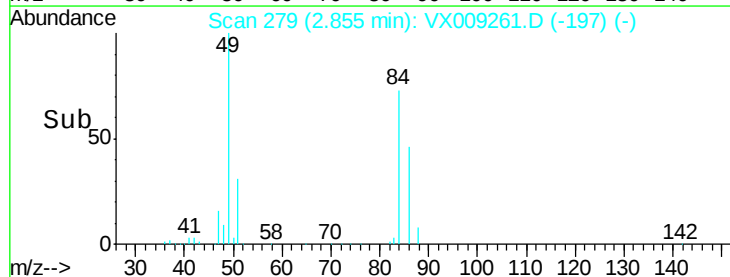
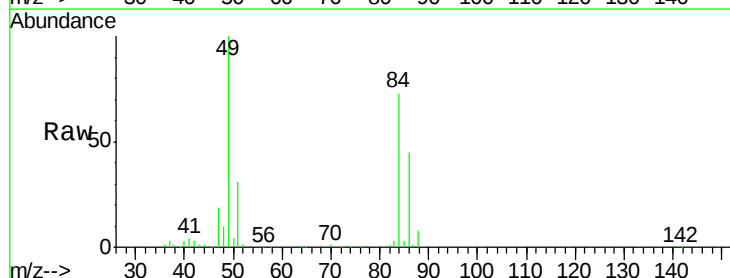
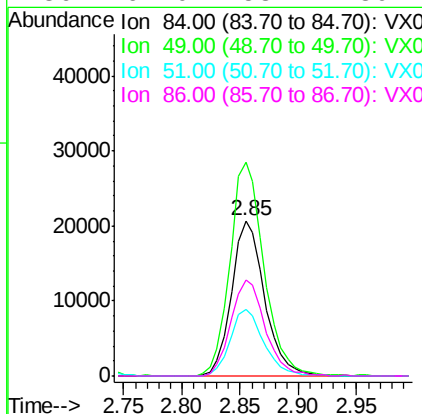
Manual Integrations
APPROVED

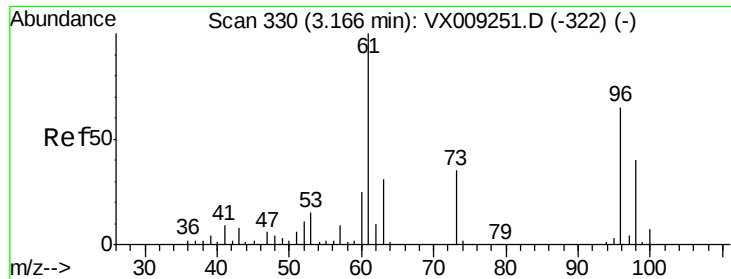
MMDadoda
5/2/2019 10:53:46 AM



#18
Methylene Chloride
Concen: 19.759 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	114.6	171.8
51	42.5	35.5	53.3
86	62.0	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.966 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion: 96 Resp: 36560

Ion Ratio Lower Upper

96 100

61 147.5 122.7 184.1

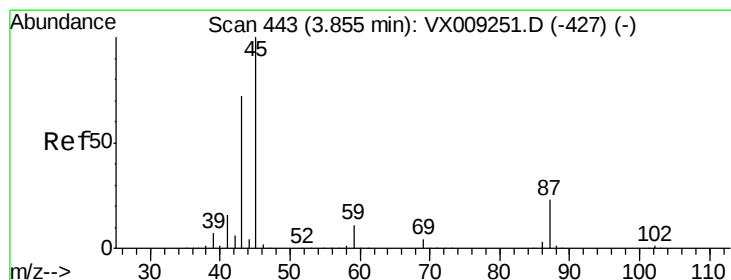
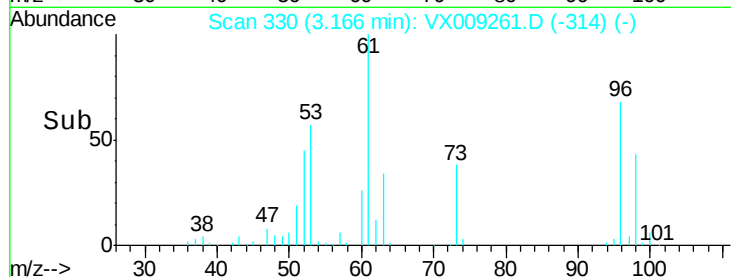
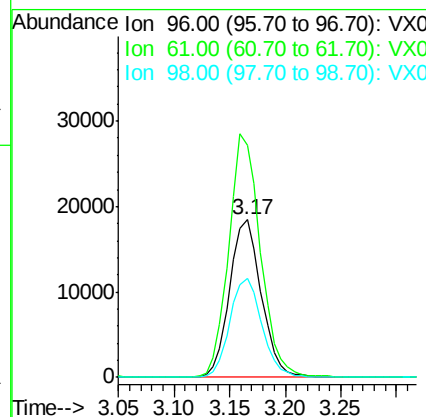
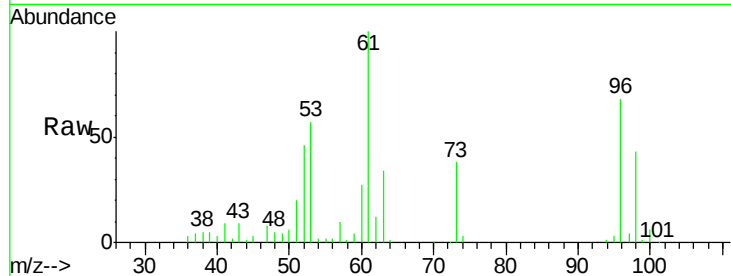
98 63.0 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

5/2/2019 10:53:46 AM



#20

Diisopropyl ether

Concen: 19.951 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion: 45 Resp: 161984

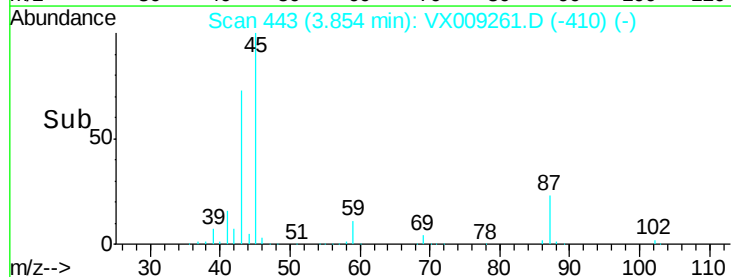
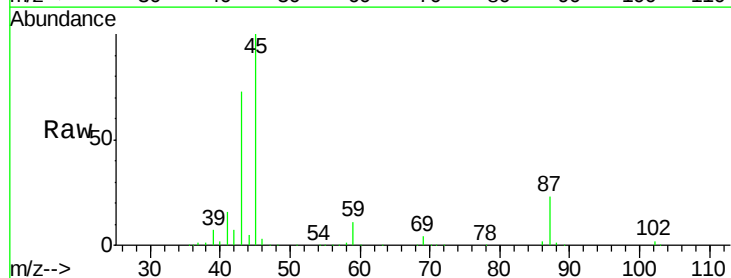
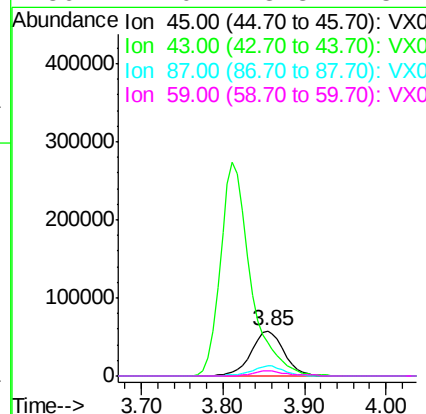
Ion Ratio Lower Upper

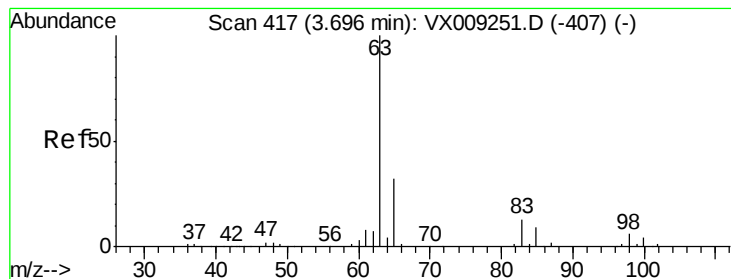
45 100

43 72.7 57.7 86.5

87 22.6 18.5 27.7

59 11.0 8.8 13.2





#21

1,1-Dichloroethane

Concen: 19.530 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

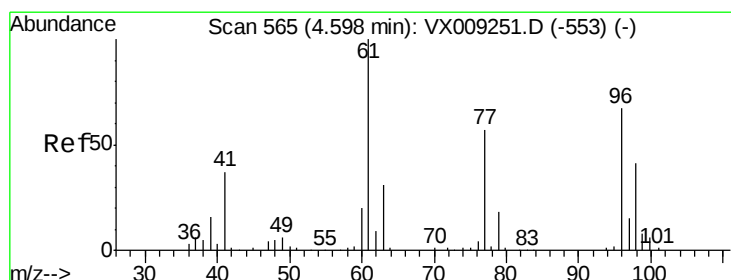
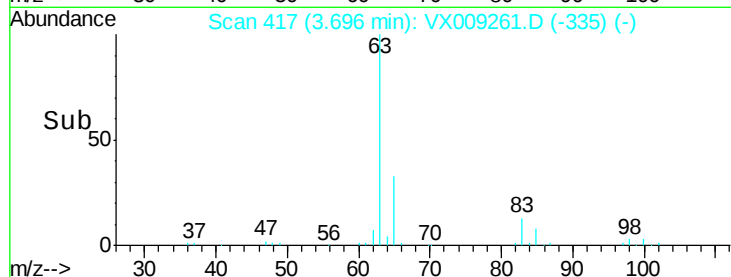
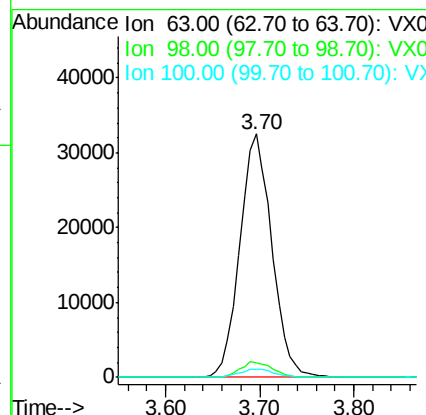
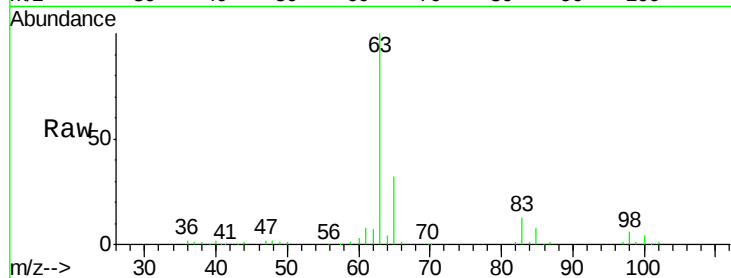
ClientSampled :

VX0501WBS01

Tot Ion:	63	Resp:	76739
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.1	9.3
100	3.6	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:46 AM



#22

cis-1,2-Dichloroethene

Concen: 19.823 ug/l

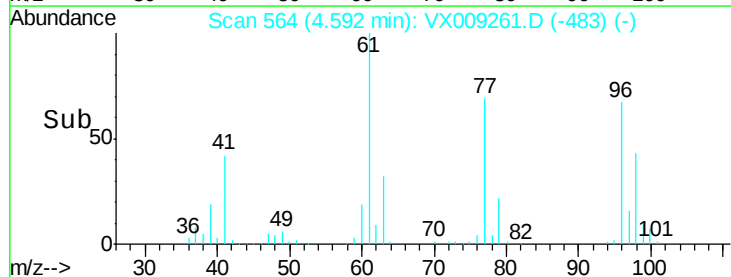
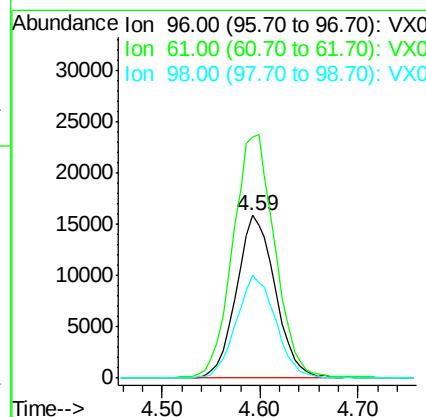
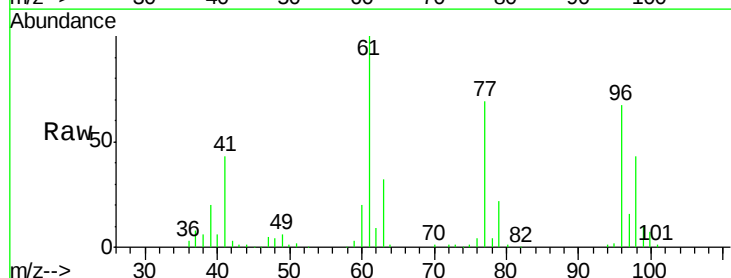
RT: 4.59 min Scan# 564

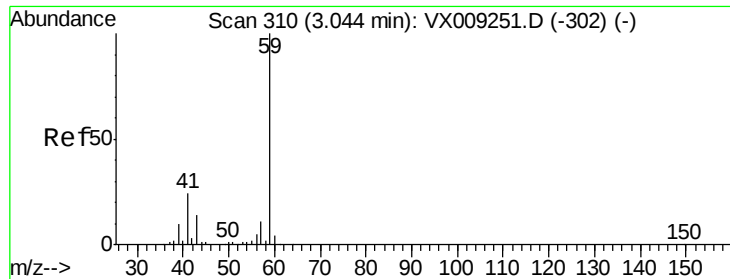
Delta R.T. -0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion:	96	Resp:	43721
Ion	Ratio	Lower	Upper
96	100		
61	161.9	127.7	191.5
98	64.2	50.5	75.7





#23

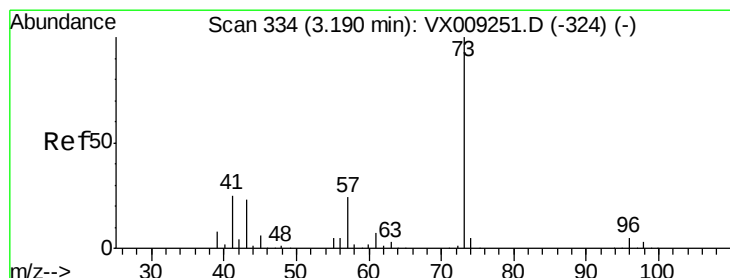
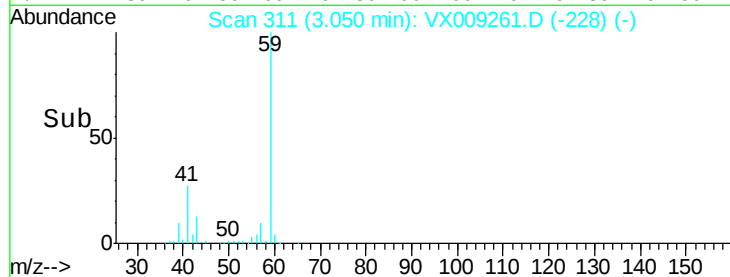
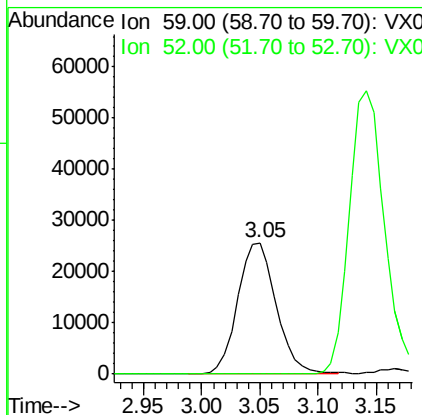
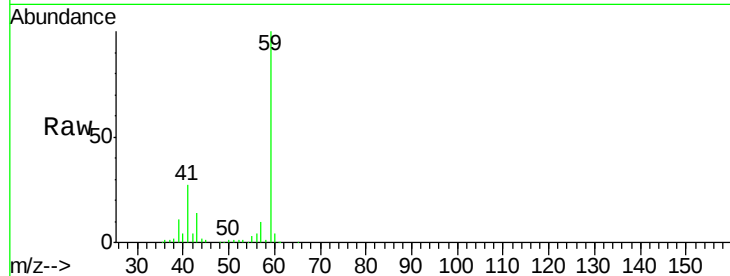
tert-Butyl Alcohol
 Concen: 99.745 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0501WBS01

Tot Ion	59	52	Ratio	Lower	Upper
59208	100	0.1		0.2	0.2#

Manual Integrations
 APPROVED

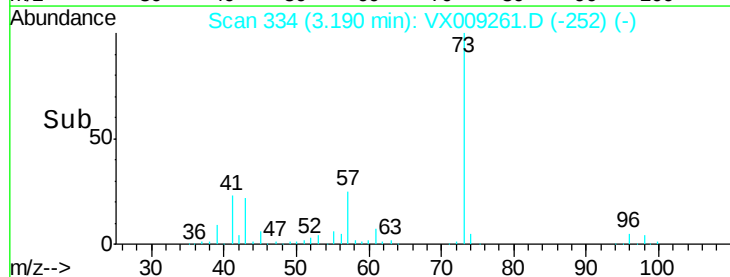
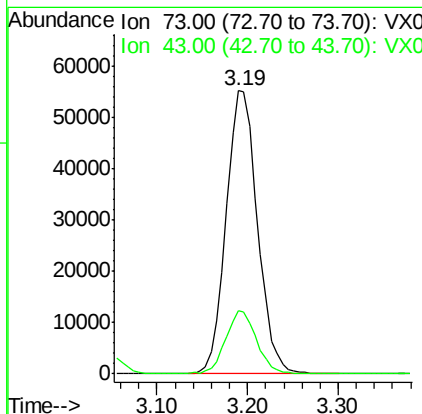
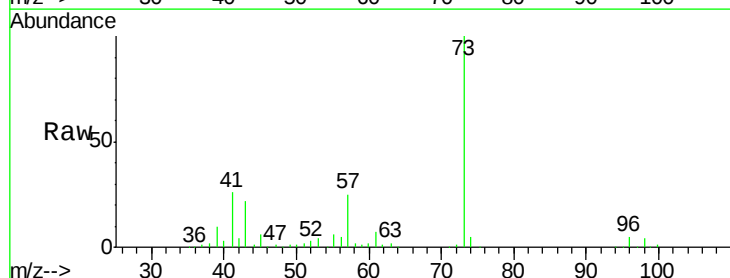
MMDadoda
 5/2/2019 10:53:46 AM

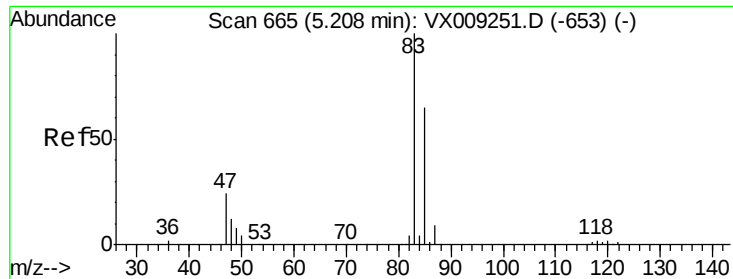


#24

Methyl tert-Butyl Ether
 Concen: 19.703 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	73	43	Ratio	Lower	Upper
132421	100	22.0		17.6	26.4





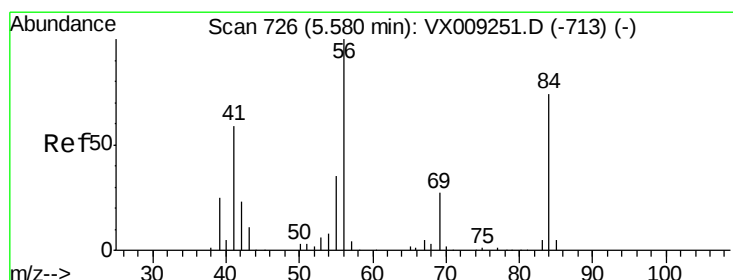
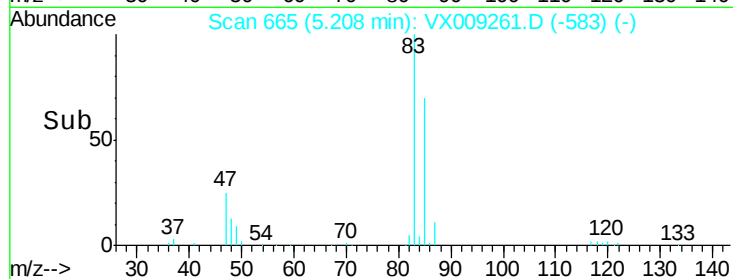
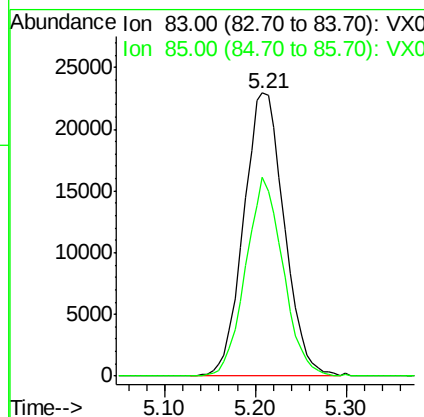
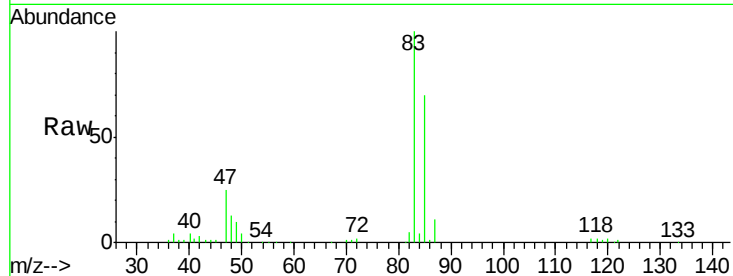
#25
Chloroform
Concen: 19.796 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion: 83 Resp: 70982
Ion Ratio Lower Upper
83 100
85 70.1 51.9 77.9

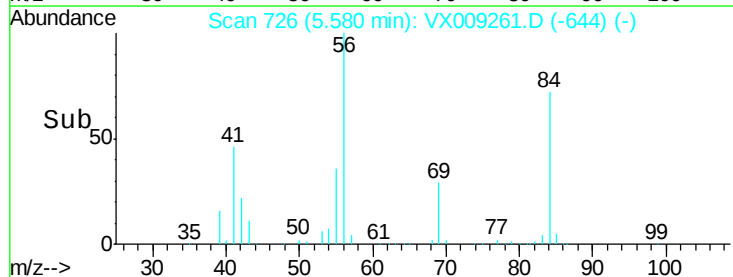
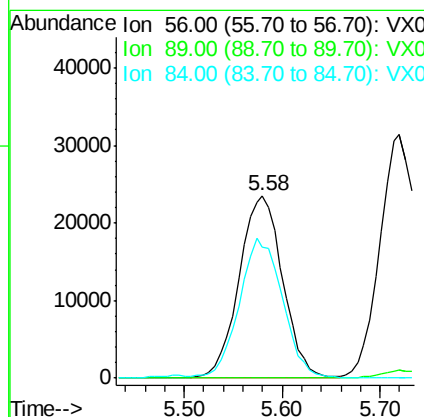
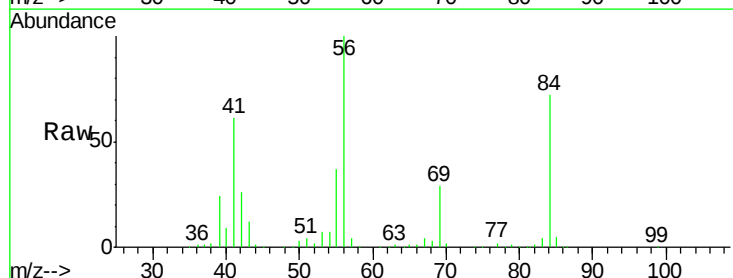
Manual Integrations
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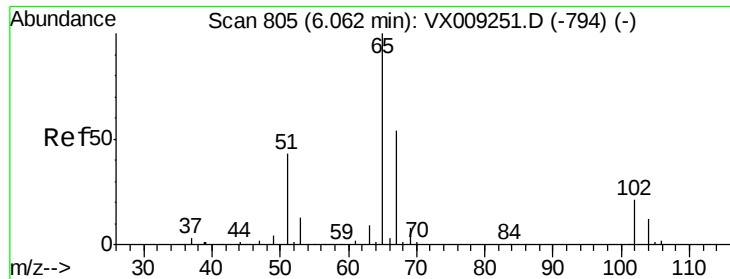
MMDadoda
5/2/2019 10:53:46 AM



#26
Cyclohexane
Concen: 19.776 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 56 Resp: 72422
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.4 59.7 89.5





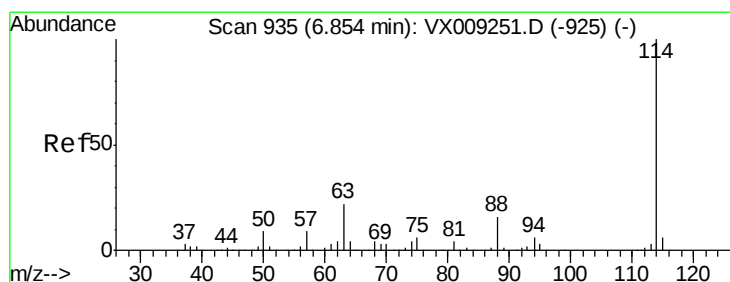
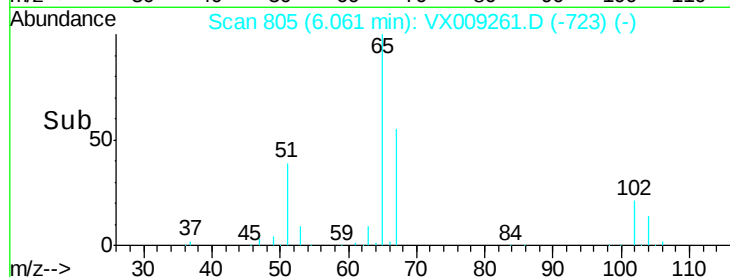
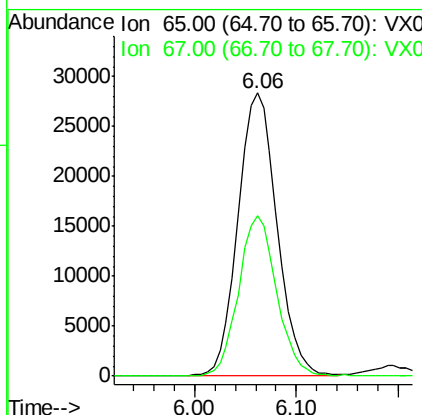
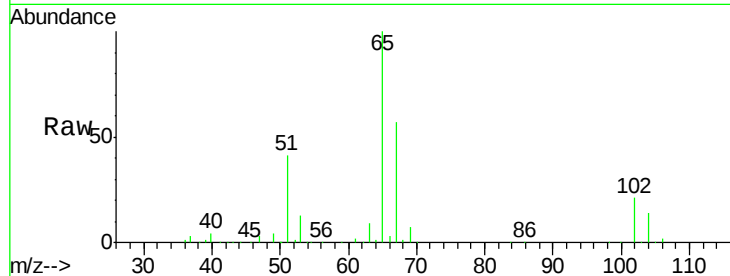
#27
 1,2-Dichloroethane-d4
 Concen: 28.951 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	43.1	64.7

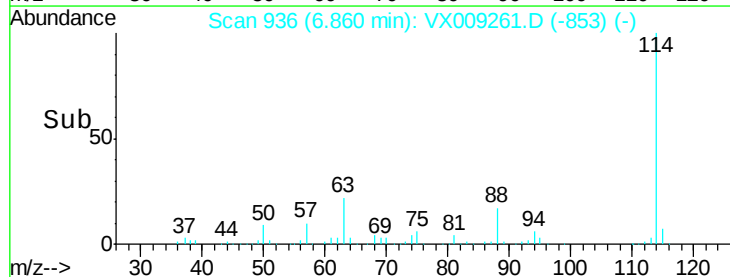
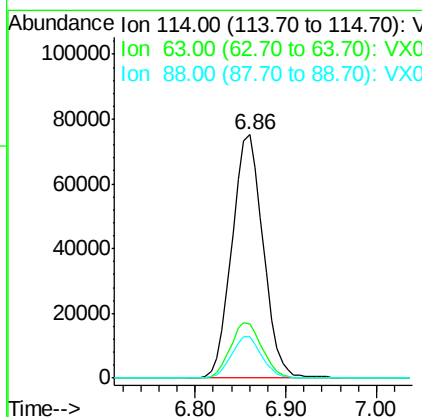
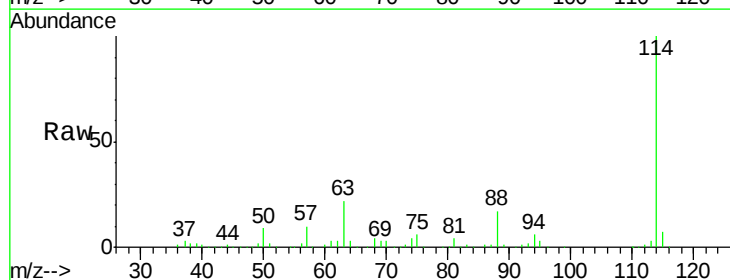
Manual Integrations
 APPROVED

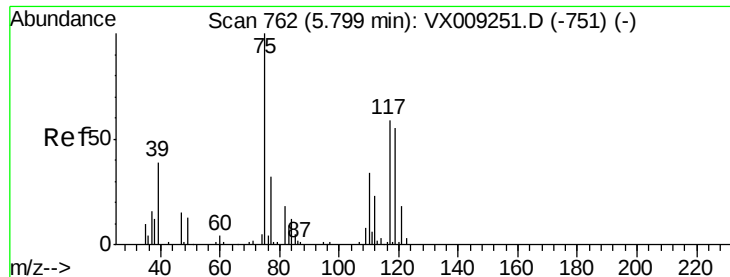
MMDadoda
 5/2/2019 10:53:46 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.0	27.0
88	16.6	13.4	20.0





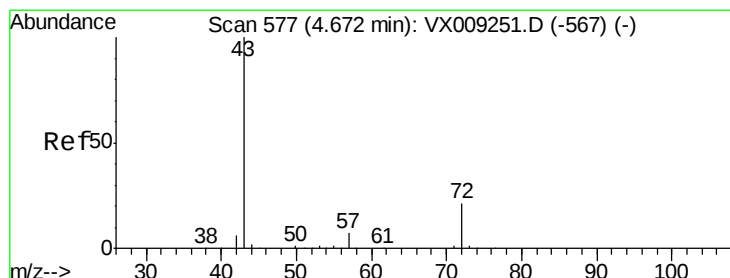
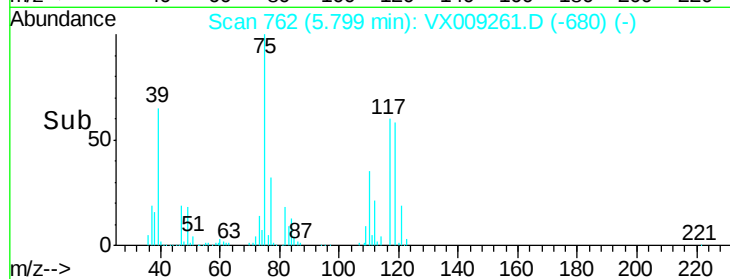
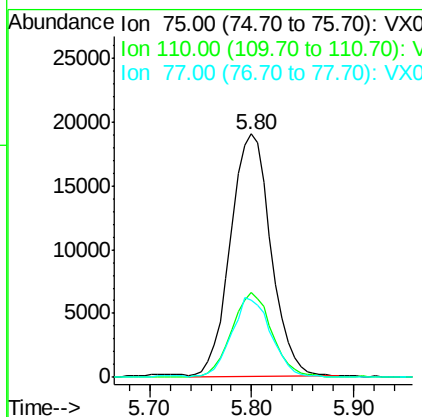
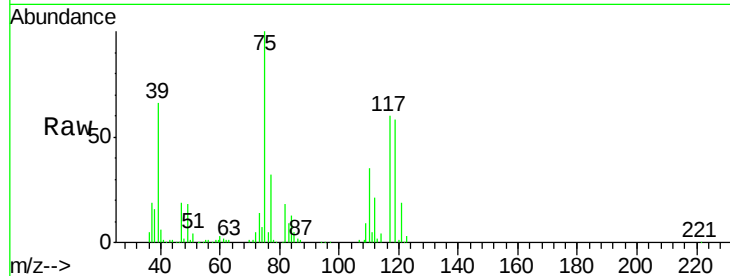
#29
 1,1-Dichloropropene
 Concen: 19.674 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0501WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.1	0.0	66.4
77	32.3	0.0	62.2

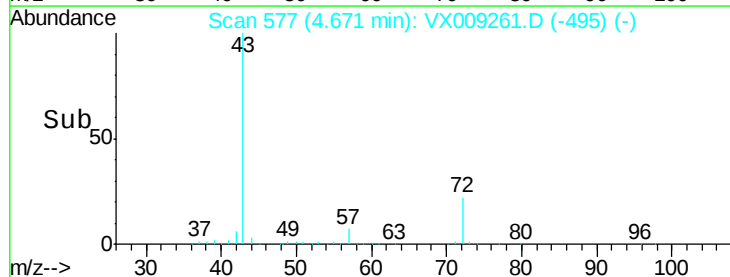
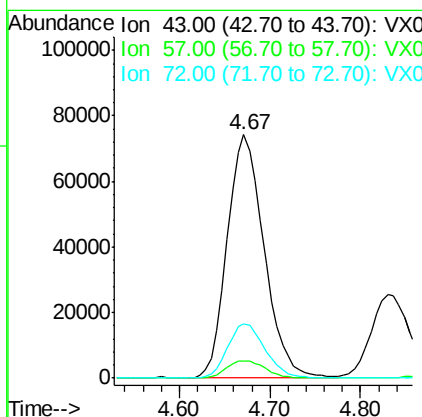
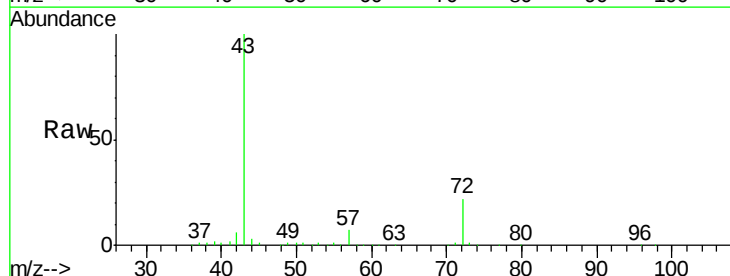
Manual Integrations
 APPROVED

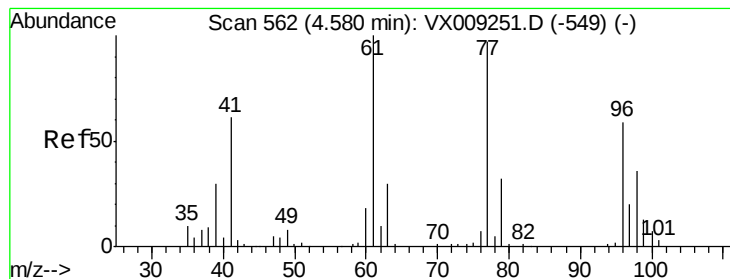
MMDadoda
 5/2/2019 10:53:46 AM



#30
 2-Butanone
 Concen: 101.005 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.6	18.2	27.4





#31

2,2-Dichloropropane

Concen: 19.664 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion: 77 Resp: 57230

Ion Ratio Lower Upper

77 100

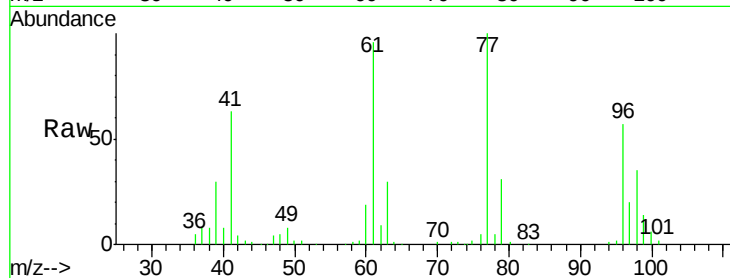
97 22.5 18.3 27.5

Manual Integrations

APPROVED

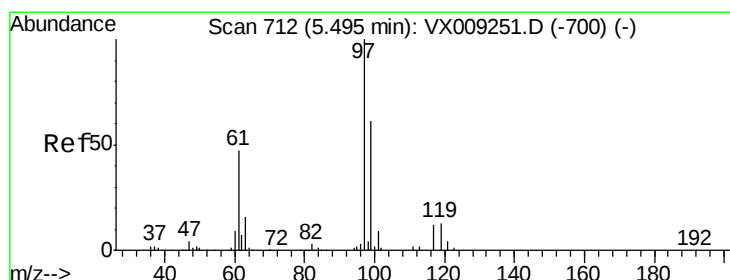
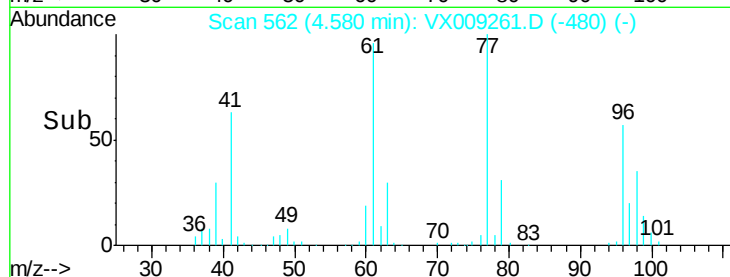
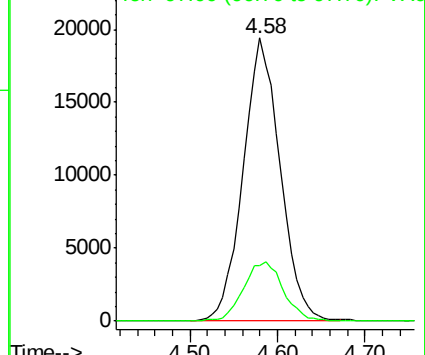
MMDadoda

5/2/2019 10:53:46 AM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.179 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

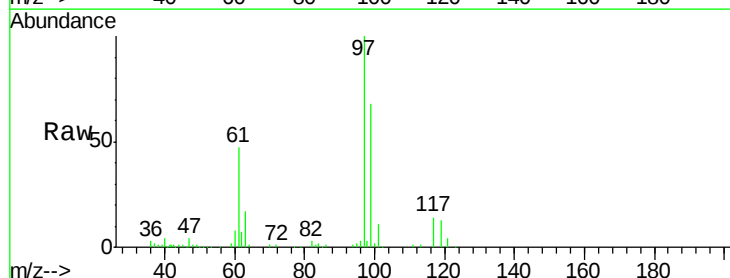
Tgt Ion: 97 Resp: 57752

Ion Ratio Lower Upper

97 100

99 65.3 53.9 80.9

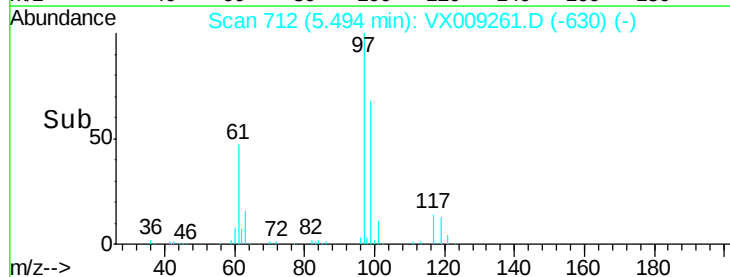
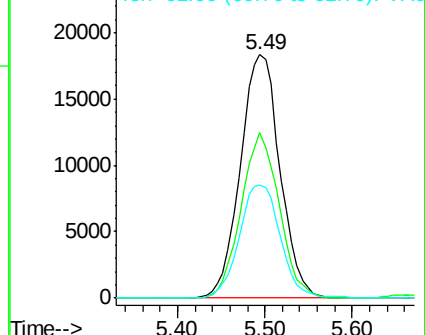
61 47.9 38.6 58.0

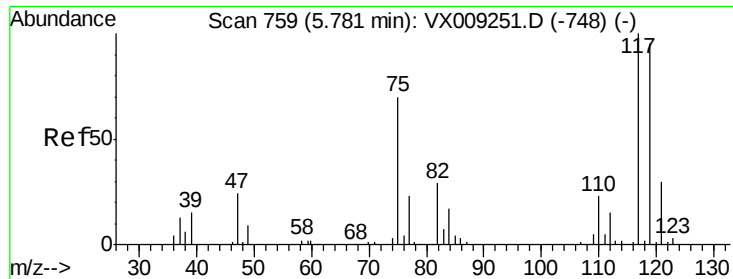


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





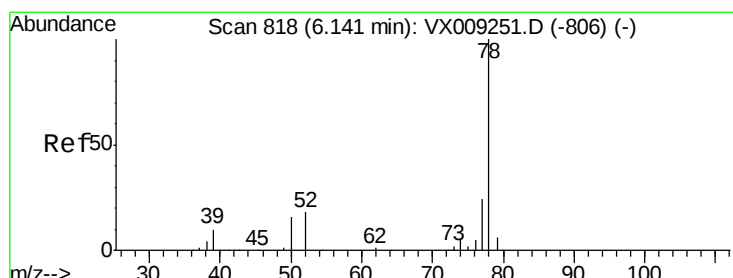
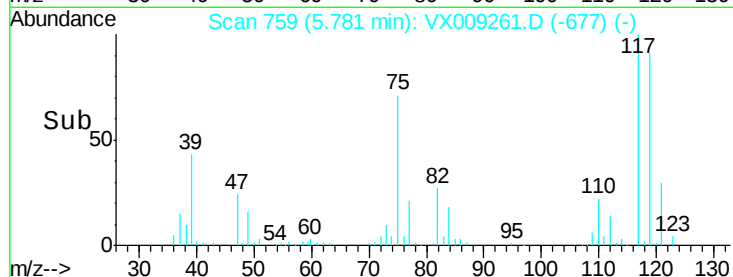
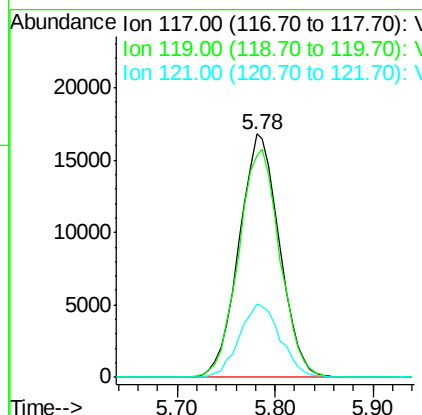
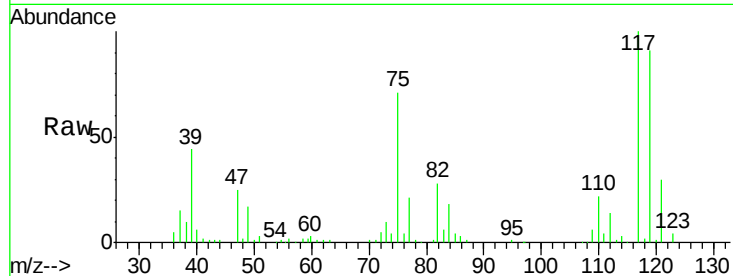
#33
Carbon Tetrachloride
Concen: 20.145 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion:117 Resp: 48239
Ion Ratio Lower Upper
117 100
119 90.8 76.1 114.1
121 29.9 24.4 36.6

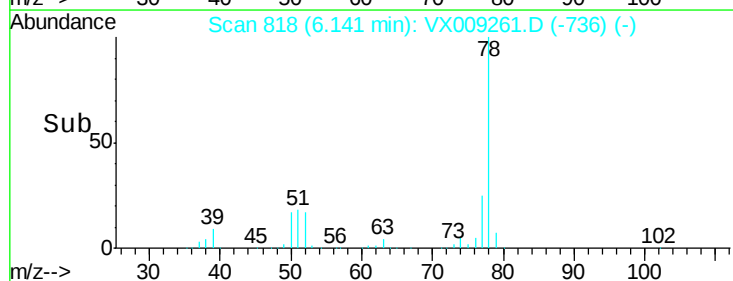
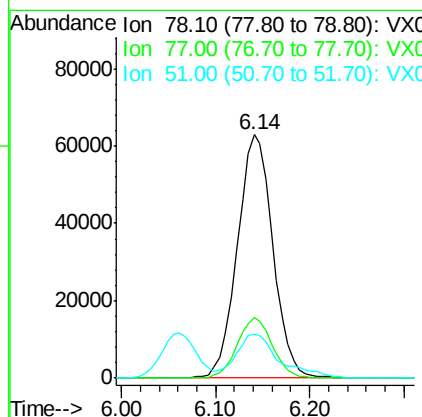
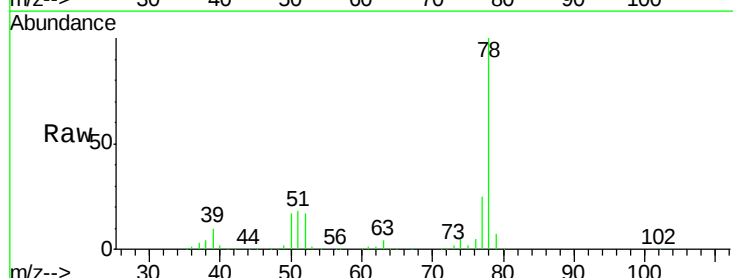
Manual Integrations
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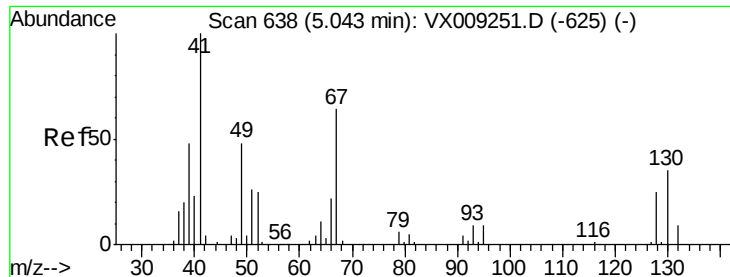
MMDadoda
5/2/2019 10:53:46 AM



#34
Benzene
Concen: 20.337 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 78 Resp: 165528
Ion Ratio Lower Upper
78 100
77 25.1 18.8 28.2
51 17.8 13.5 20.3





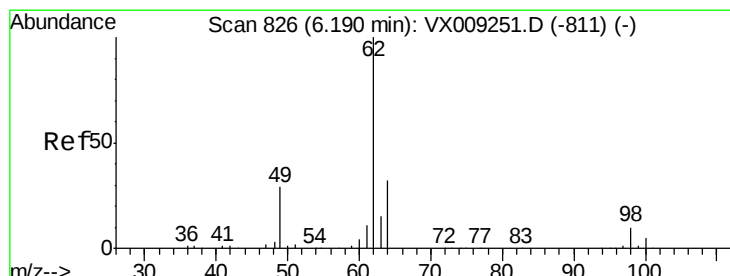
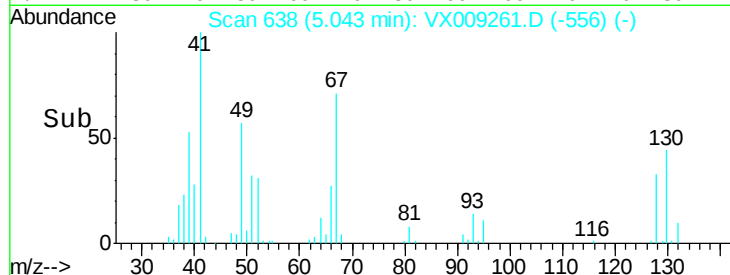
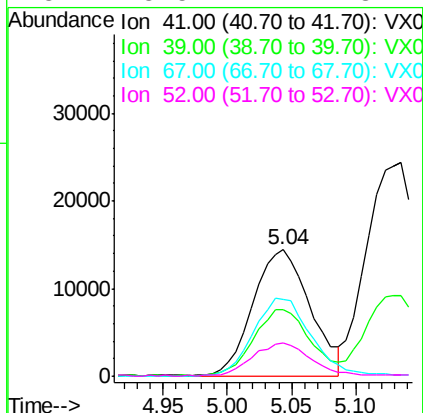
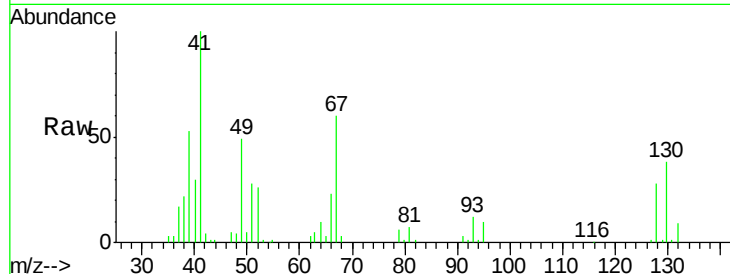
#35
Methacrylonitrile
Concen: 20.628 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	24.1	72.3	
67	60.3	32.2	96.6	
52	25.5	12.4	37.4	

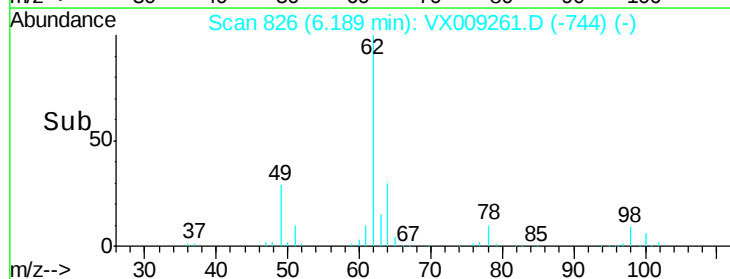
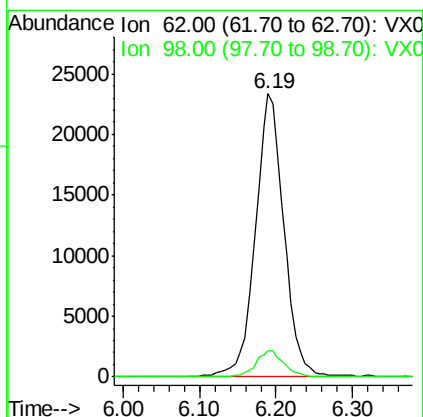
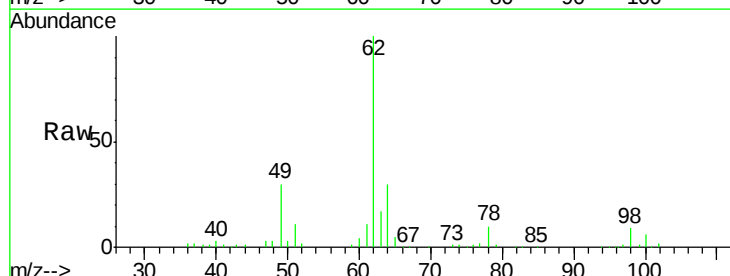
Manual Integrations
APPROVED

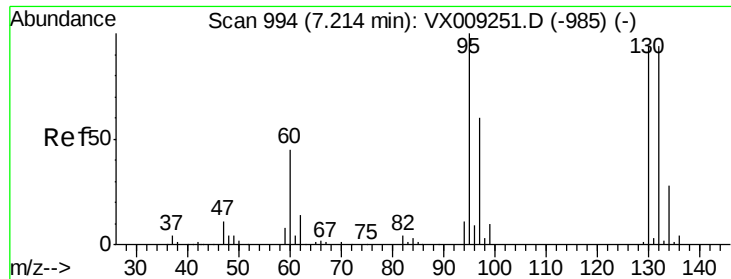
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.566 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	





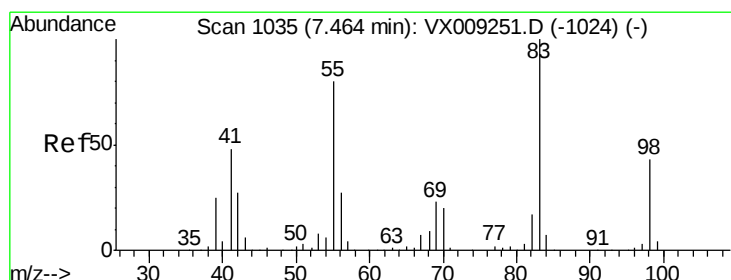
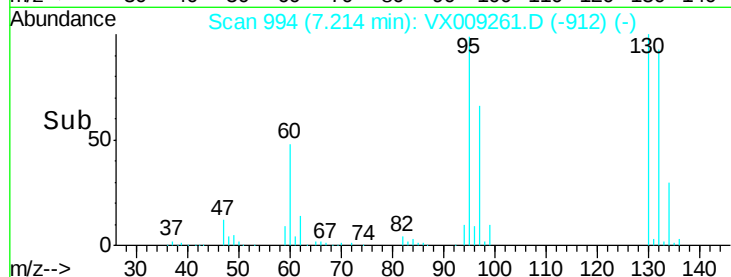
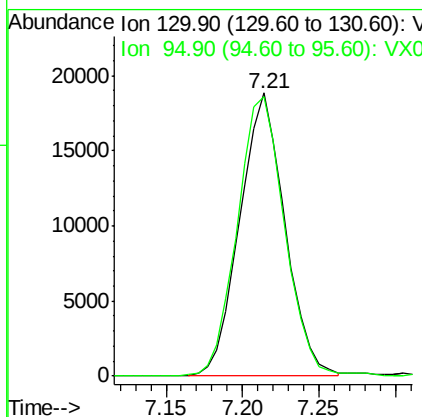
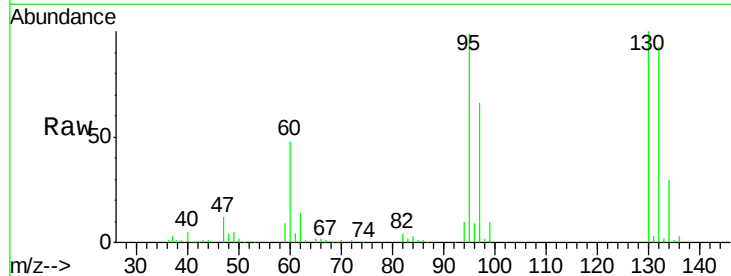
#37
 Trichloroethene
 Concen: 19.748 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion:130 Resp: 38692
 Ion Ratio Lower Upper
 130 100
 95 98.2 85.0 127.4

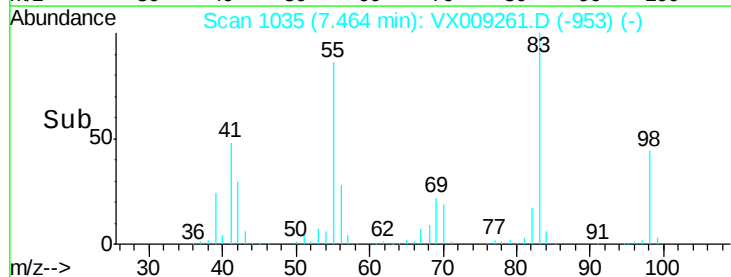
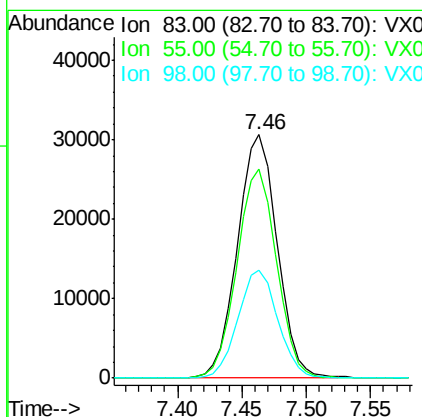
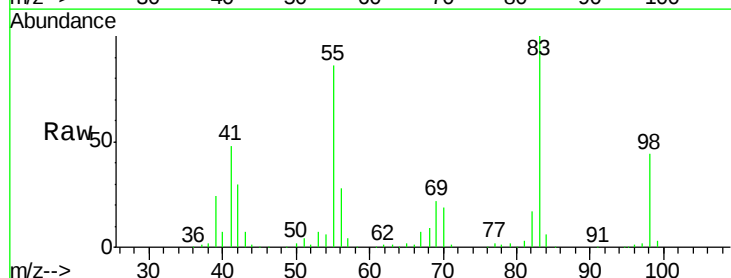
Manual Integrations
 APPROVED

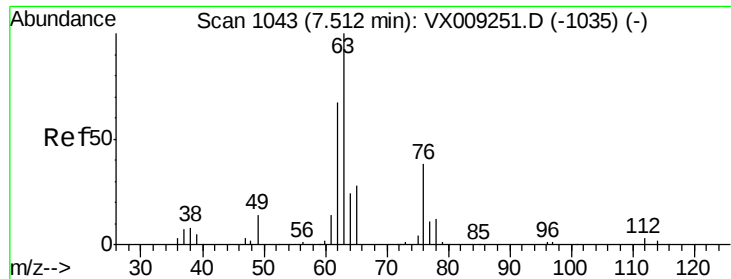
MMDadoda
 5/2/2019 10:53:46 AM



#38
 Methylcyclohexane
 Concen: 20.072 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion: 83 Resp: 65468
 Ion Ratio Lower Upper
 83 100
 55 85.6 43.0 129.2
 98 44.7 22.1 66.1





#39

1,2-Dichloropropane

Concen: 20.454 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion: 63 Resp: 47408

Ion Ratio Lower Upper

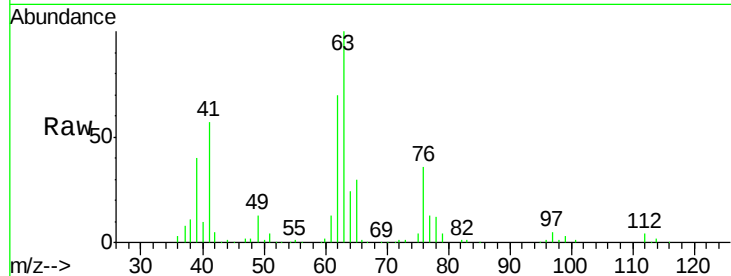
63 100

65 29.5 24.0 36.0

Manual Integrations
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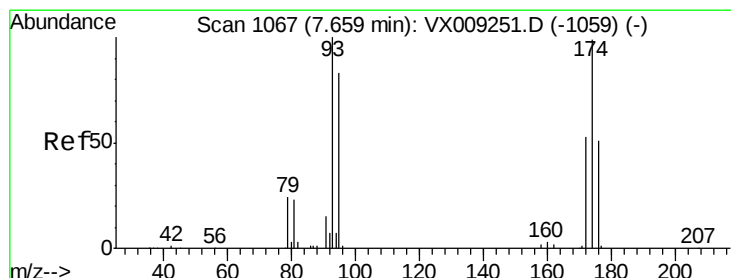
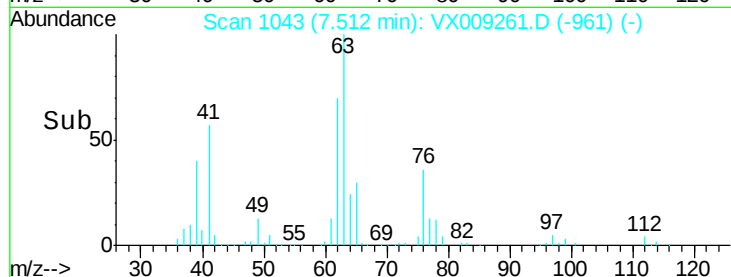
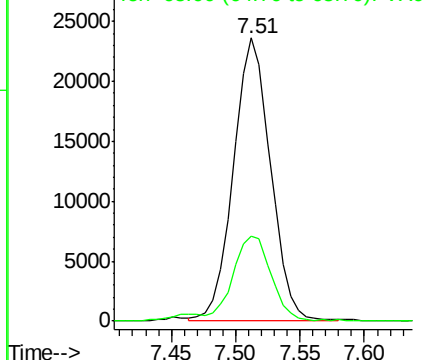
MMDadoda

5/2/2019 10:53:46 AM



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 20.408 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

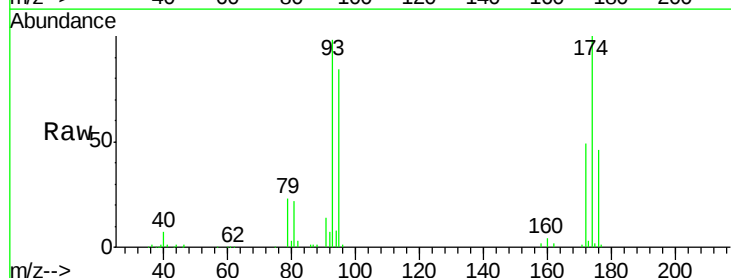
Tgt Ion: 93 Resp: 26847

Ion Ratio Lower Upper

93 100

95 82.5 0.0 167.2

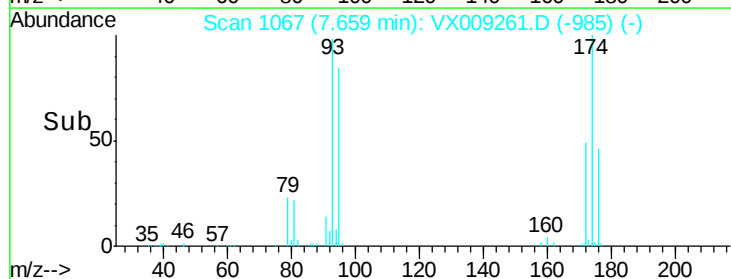
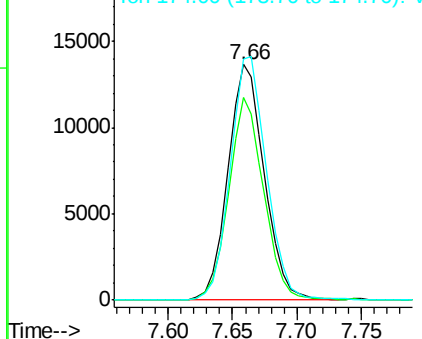
174 102.2 0.0 203.4

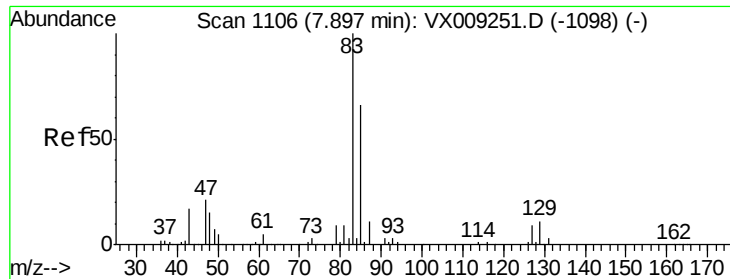


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.880 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

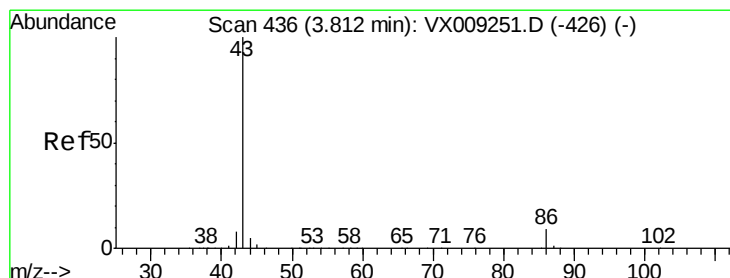
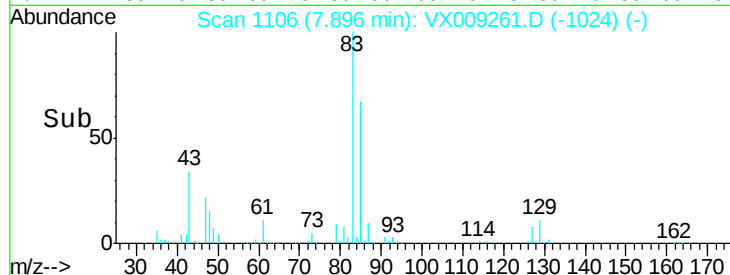
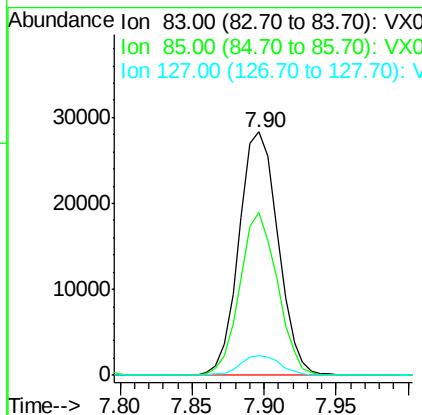
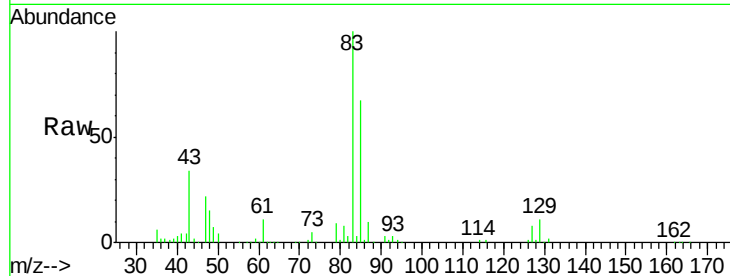
ClientSampleId :

VX0501WBS01

Tot Ion:	83	Resp:	53419
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	79.0
127	8.0	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:46 AM



#42

Vinyl Acetate

Concen: 102.833 ug/l

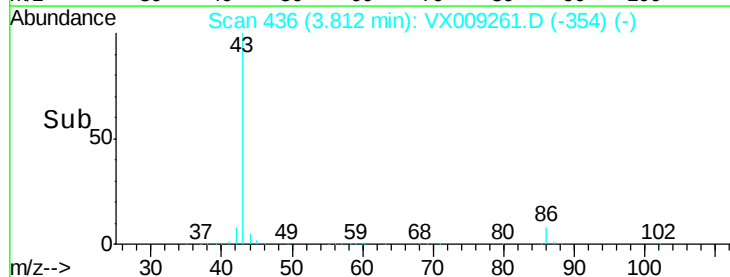
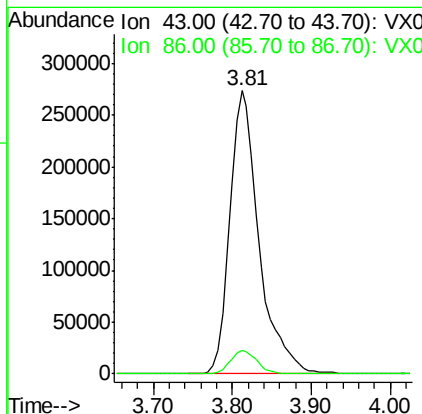
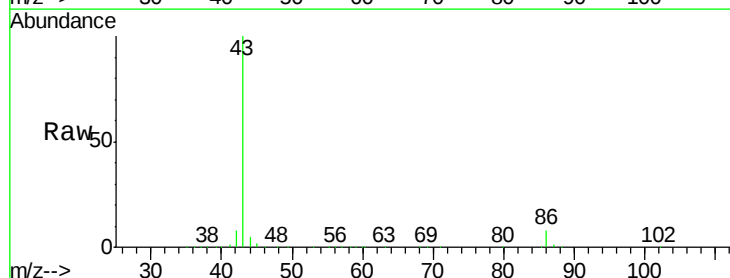
RT: 3.81 min Scan# 436

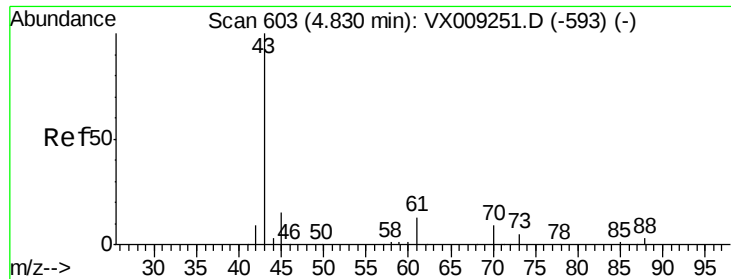
Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion:	43	Resp:	701705
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.0	9.0





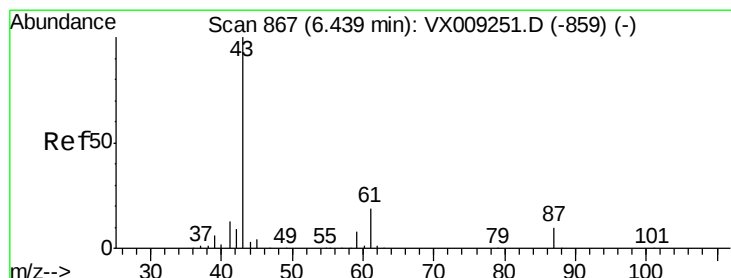
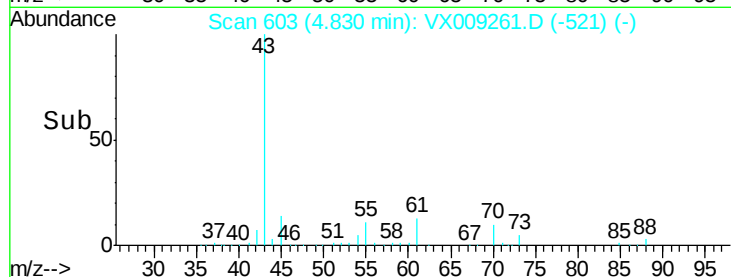
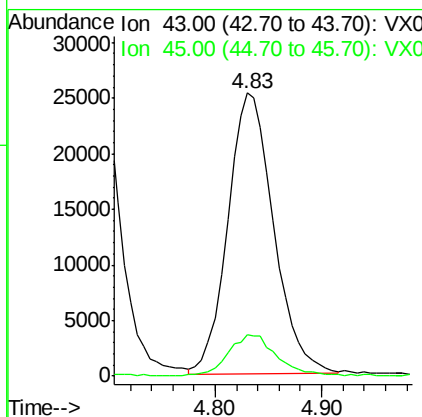
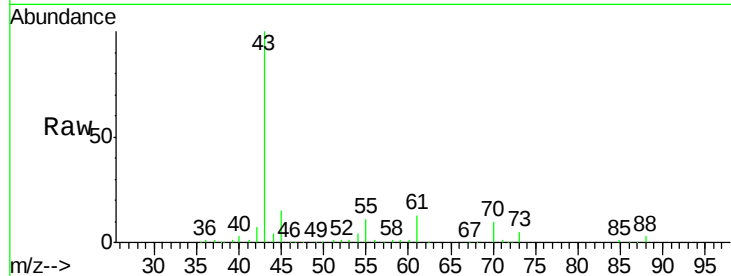
#43
Ethyl Acetate
Concen: 20.343 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion: 43 Resp: 76000
Ion Ratio Lower Upper
43 100
45 15.0 11.8 17.8

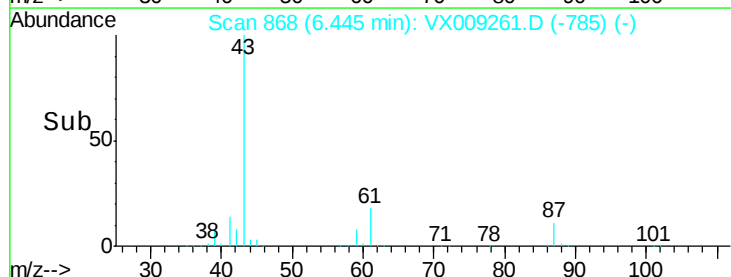
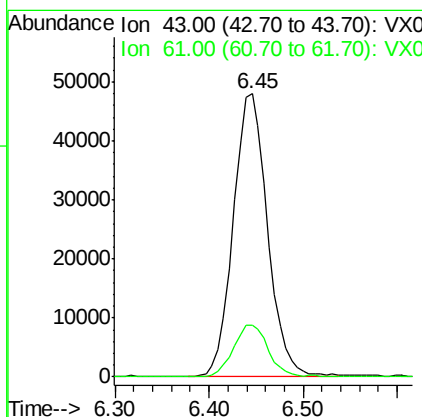
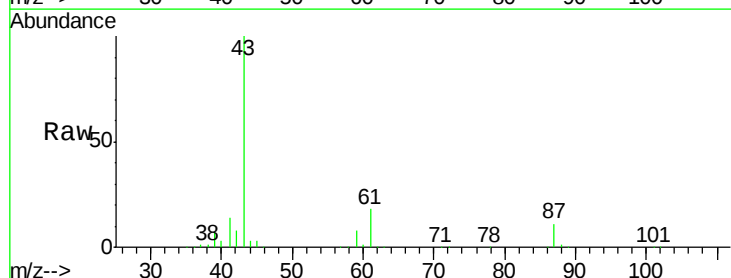
Manual Integrations
APPROVED

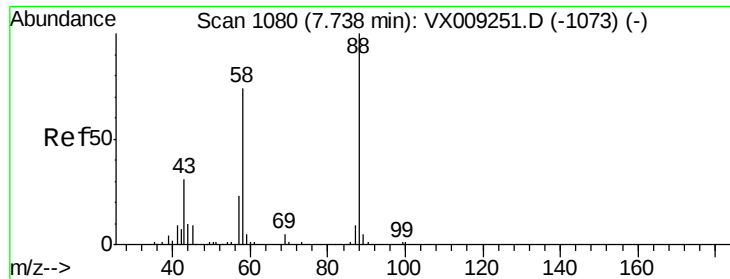
MMDadoda
5/2/2019 10:53:46 AM



#44
Isopropyl Acetate
Concen: 19.994 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 43 Resp: 121011
Ion Ratio Lower Upper
43 100
61 18.6 15.4 23.2





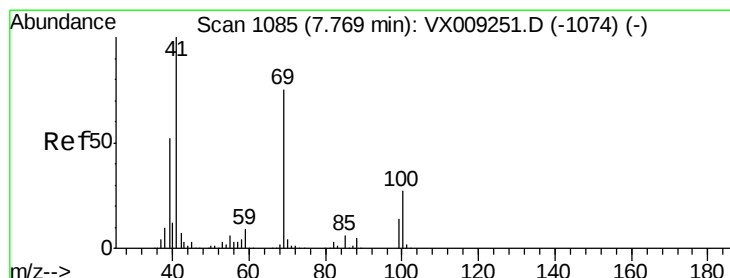
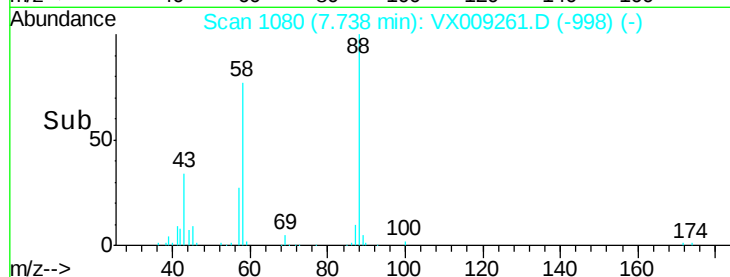
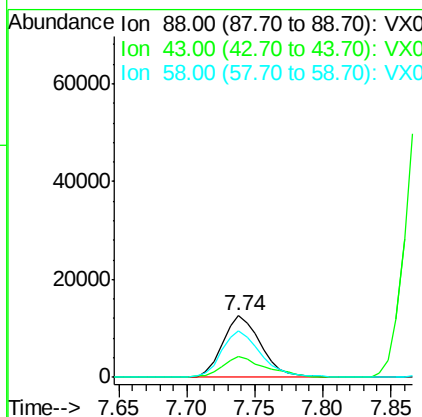
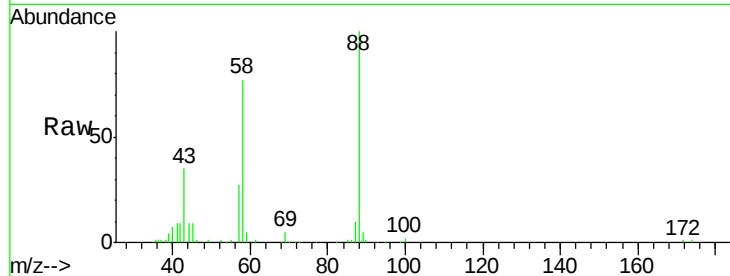
#45
 1,4-Dioxane
 Concen: 413.932 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.5	42.7
58	76.3	62.5	93.7

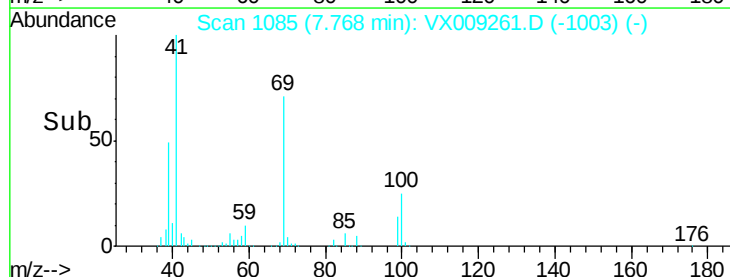
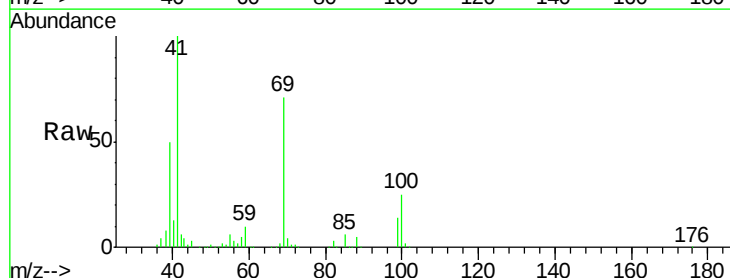
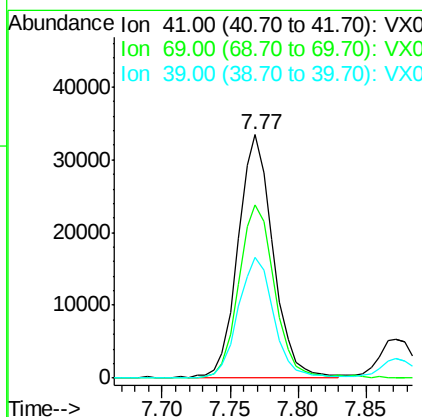
Manual Integrations
 APPROVED

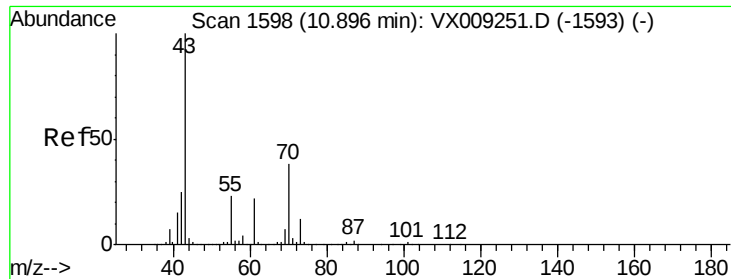
MMDadoda
 5/2/2019 10:53:46 AM



#46
 Methyl methacrylate
 Concen: 19.775 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.4	37.6	112.8
39	49.5	25.8	77.3





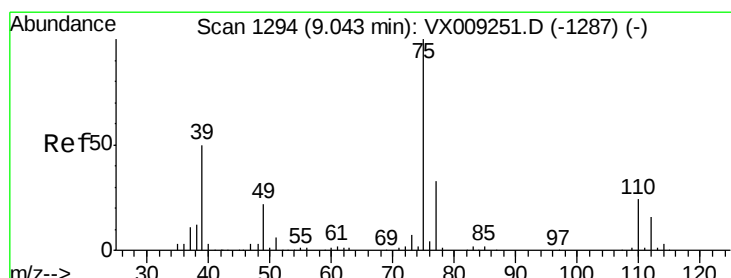
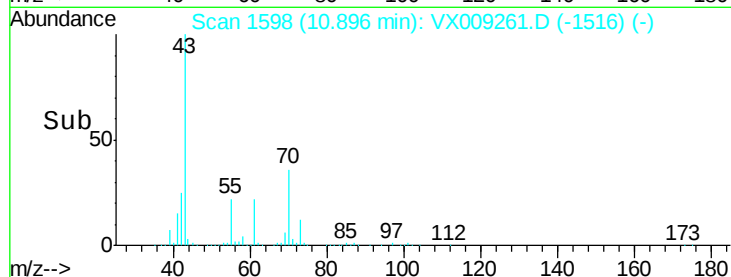
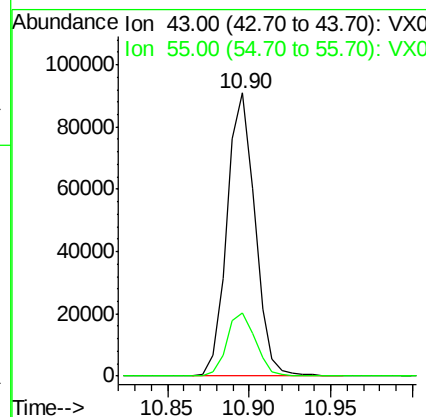
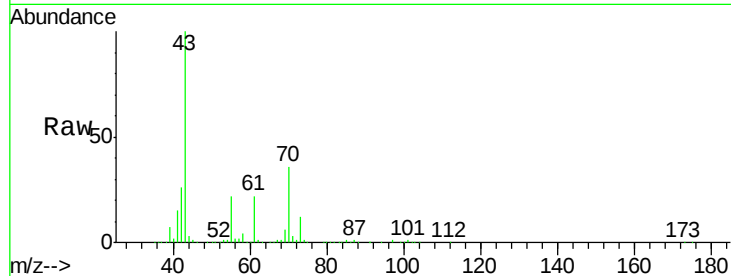
#47
n-amvl Acetate
Concen: 19.917 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion: 43 Resp: 108589
Ion Ratio Lower Upper
43 100
55 22.9 18.2 27.4

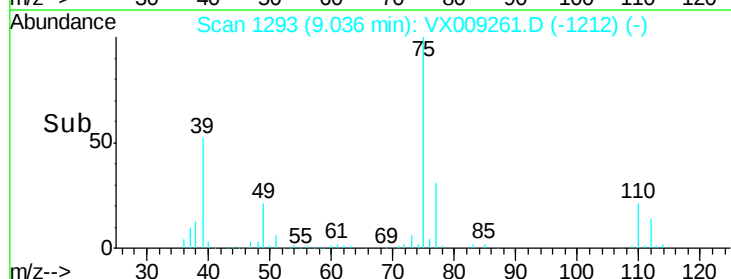
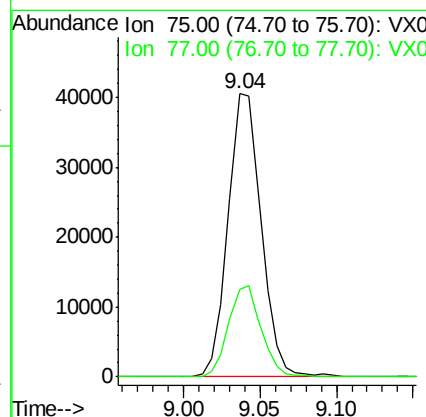
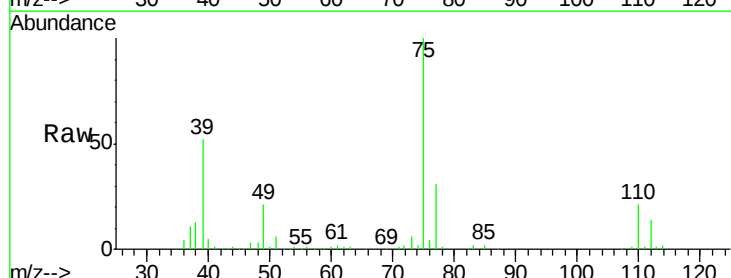
Manual Integrations
APPROVED

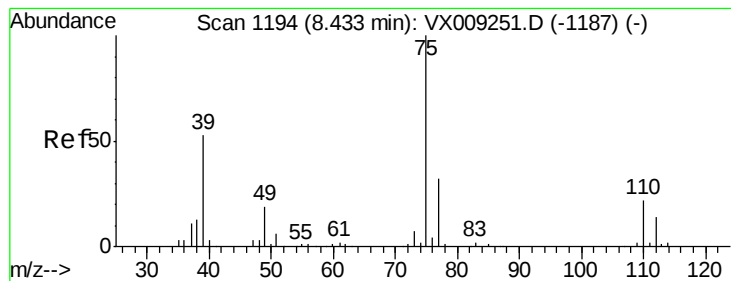
MMDadoda
5/2/2019 10:53:46 AM



#48
t-1,3-Dichloropropene
Concen: 19.513 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 75 Resp: 61177
Ion Ratio Lower Upper
75 100
77 30.6 26.5 39.7





#49

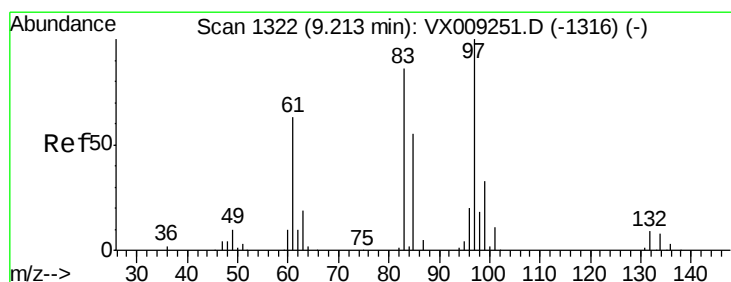
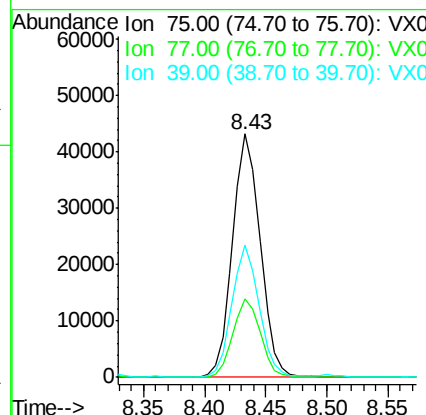
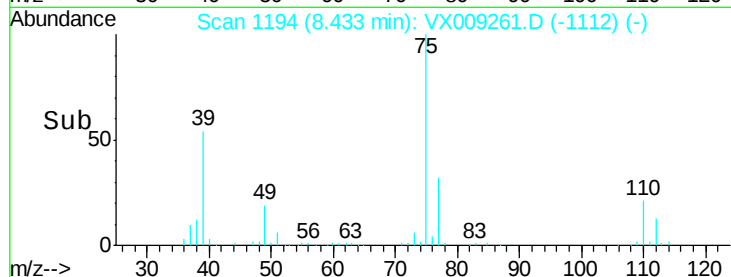
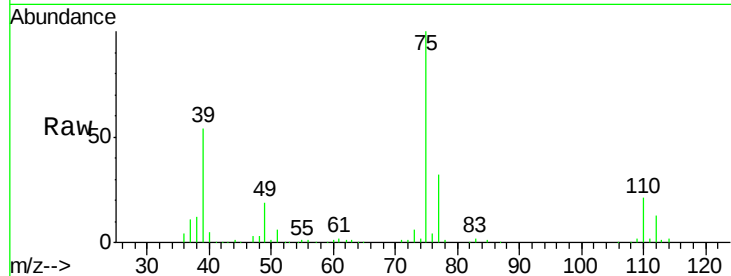
cis-1,3-Dichloropropene
 Concen: 19.741 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion:	75	Resp:	67946
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.0	39.0
39	54.4	42.6	63.8

Manual Integrations
 APPROVED

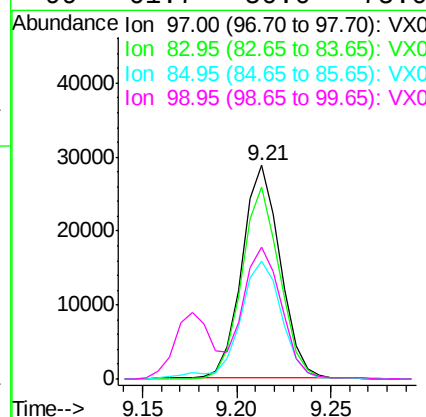
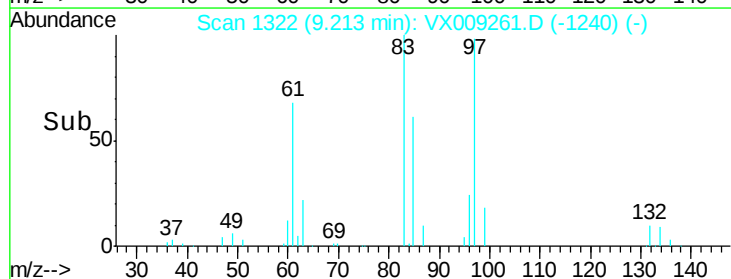
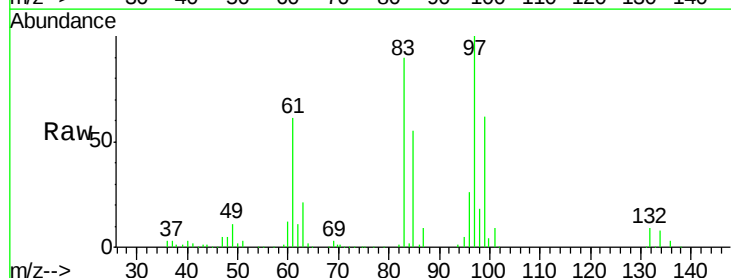
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 5/2/2019 10:53:46 AM

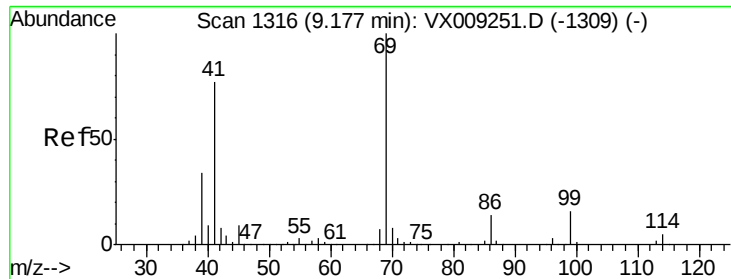


#50

1,1,2-Trichloroethane
 Concen: 20.002 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion:	97	Resp:	40313
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.8	103.2
85	55.0	45.8	68.6
99	61.7	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.923 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

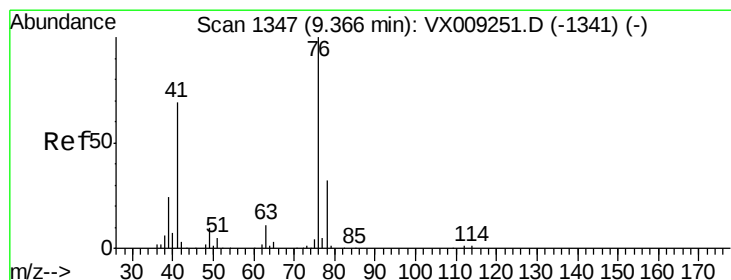
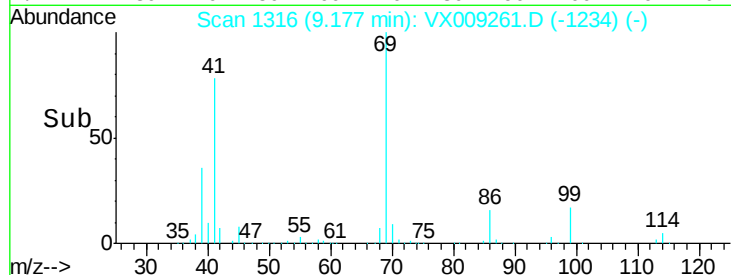
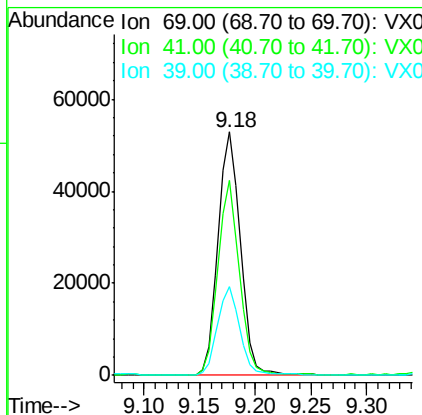
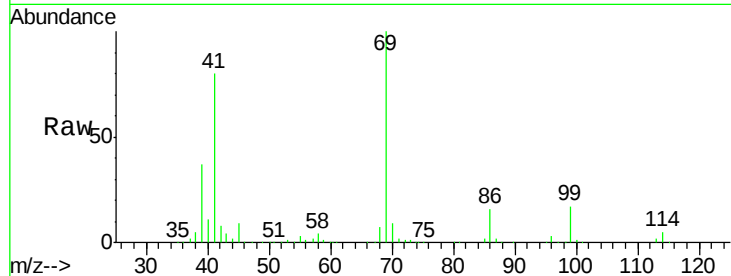
ClientSampled :

VX0501WBS01

Tot Ion:	69	Resp:	74202
Ion	Ratio	Lower	Upper
69	100		
41	79.7	38.4	115.2
39	36.5	17.2	51.5

Manual Integrations
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5/2/2019 10:53:46 AM



#52

1,3-Dichloropropane

Concen: 20.547 ug/l

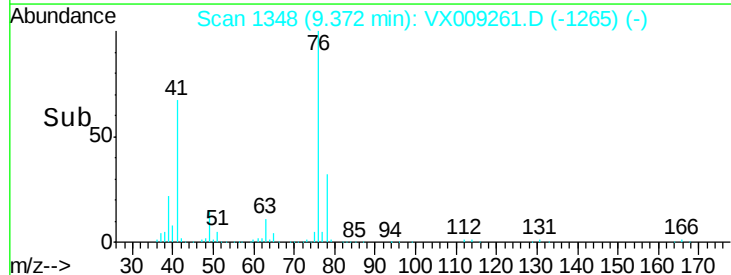
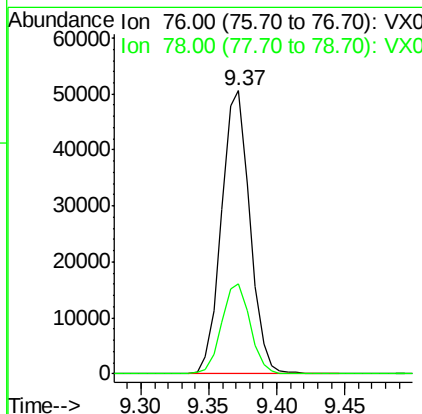
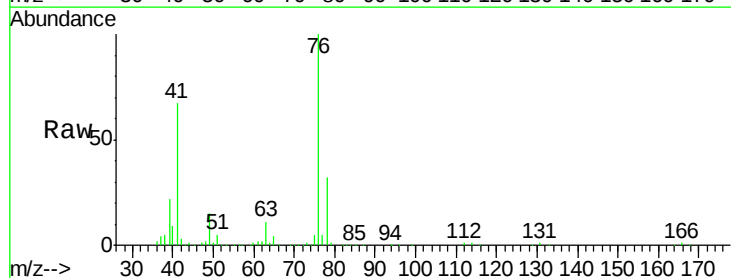
RT: 9.37 min Scan# 1348

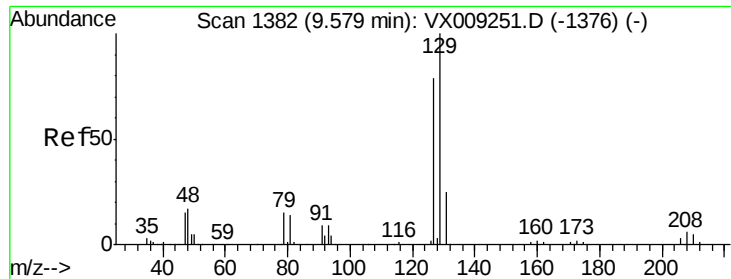
Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion:	76	Resp:	73494
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.2





#53

Dibromochloromethane

Concen: 19.680 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion:129 Resp: 39502

Ion Ratio Lower Upper

129 100

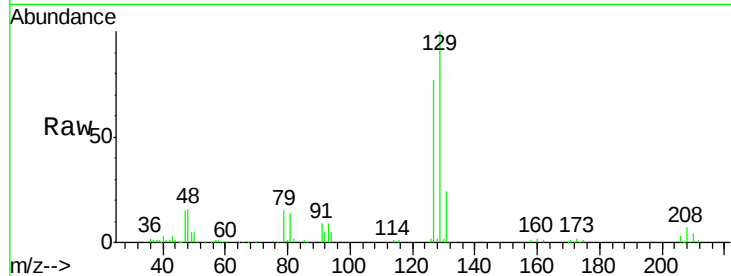
127 77.2 39.1 117.5

Manual Integrations

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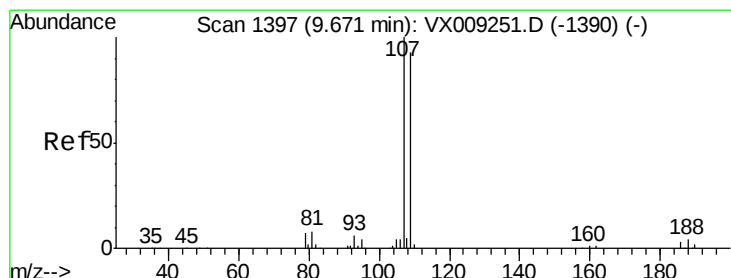
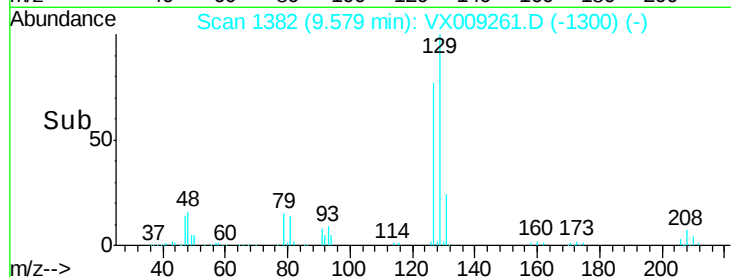
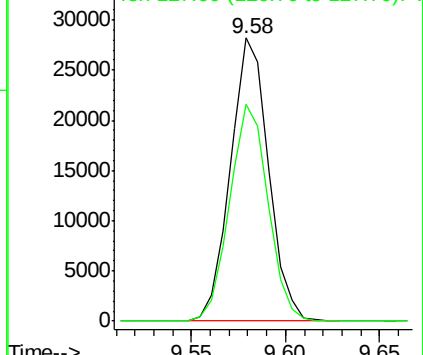
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.980 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009261.D

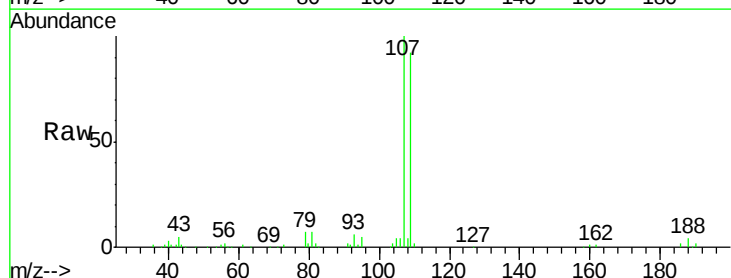
Acq: 01 May 2019 18:01

Tgt Ion:107 Resp: 41300

Ion Ratio Lower Upper

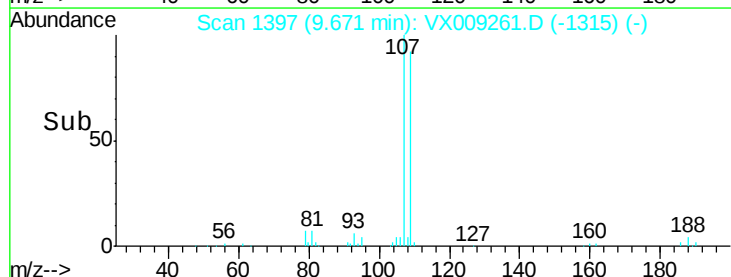
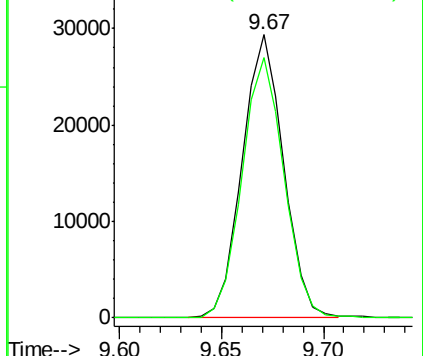
107 100

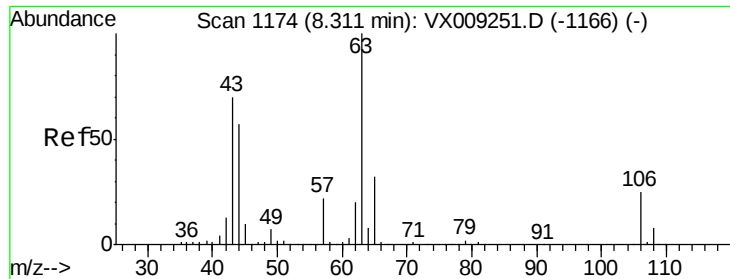
109 93.2 75.5 113.3



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: 100.531 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

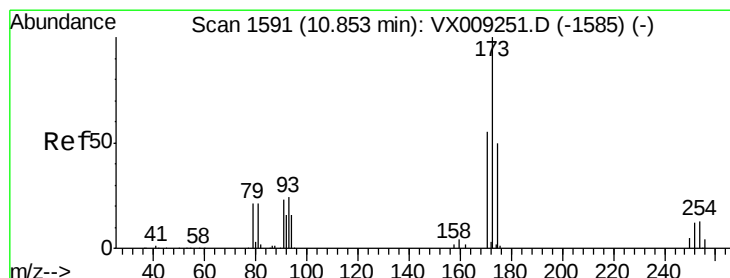
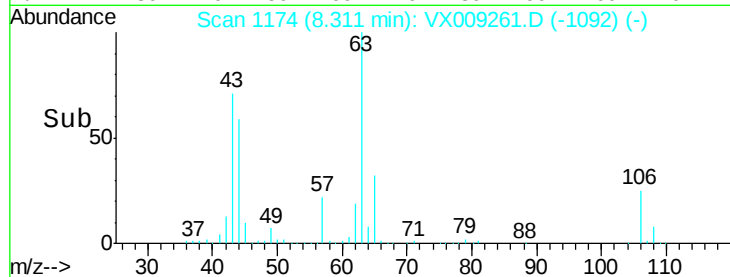
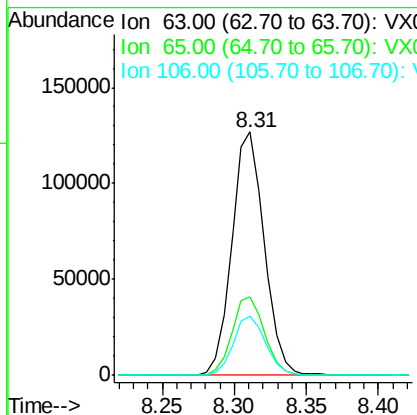
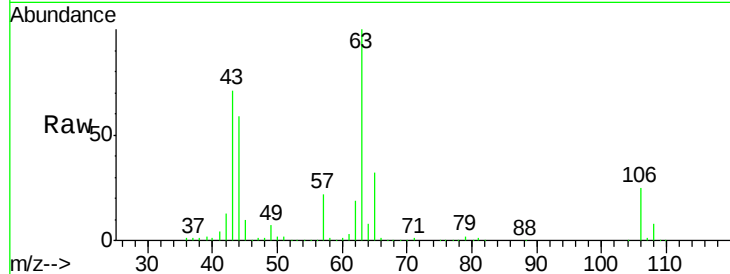
VX0501WBS01

Tot Ion: 63 Resp: 199519

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.6
106	24.5	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 18.790 ug/l

RT: 10.85 min Scan# 1591

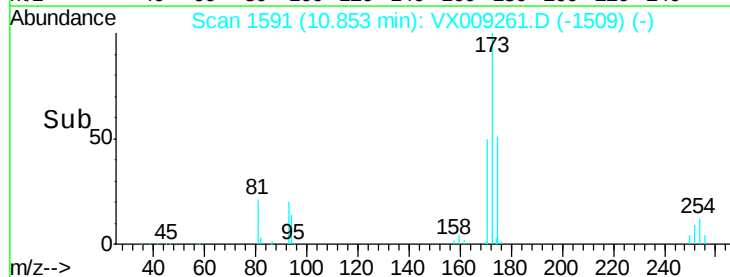
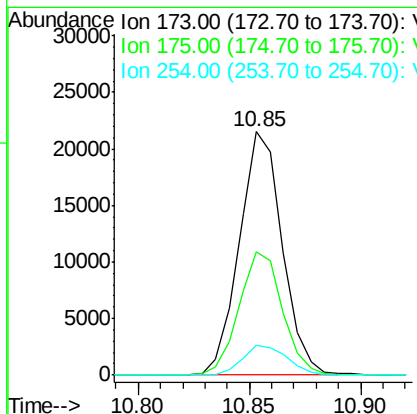
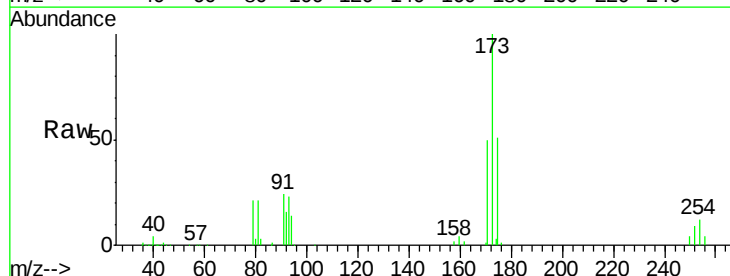
Delta R.T. -0.00 min

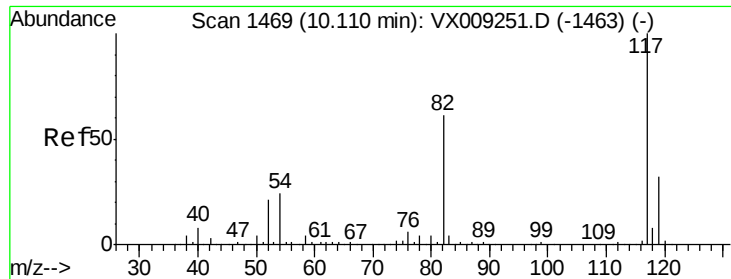
Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion: 173 Resp: 28952

Ion	Ratio	Lower	Upper
173	100		
175	50.8	39.4	59.2
254	12.7	9.9	14.9





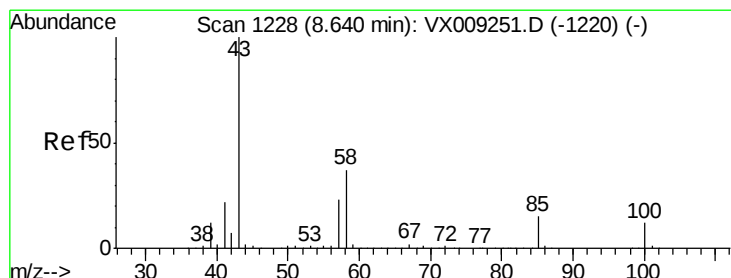
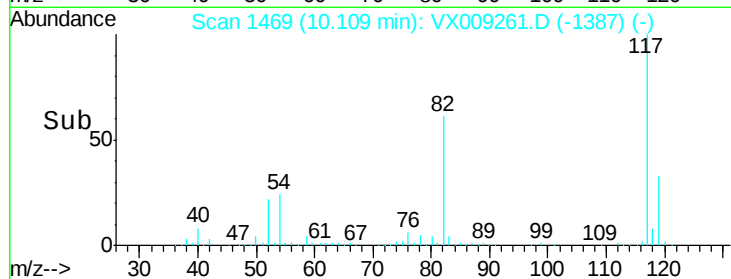
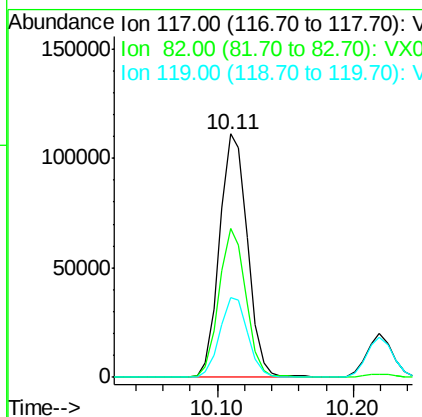
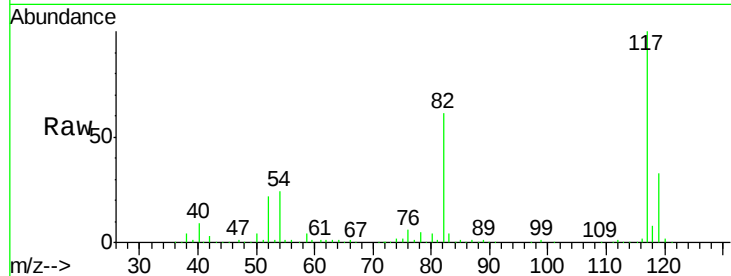
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	32.6	25.6	38.4

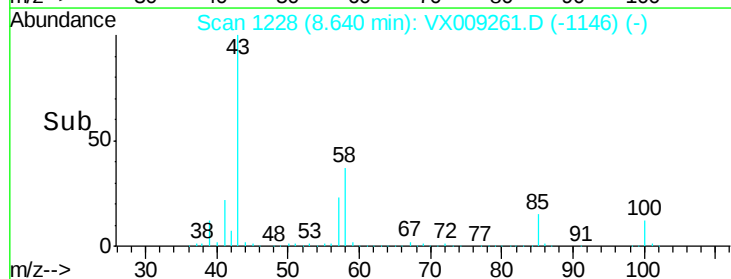
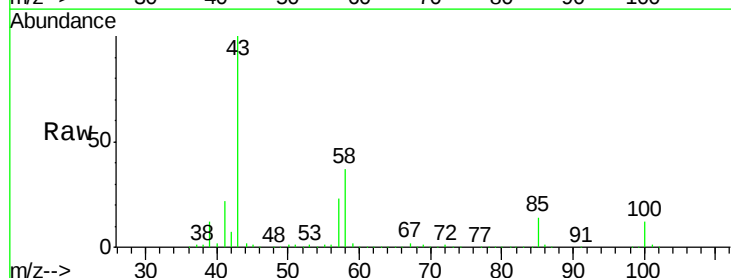
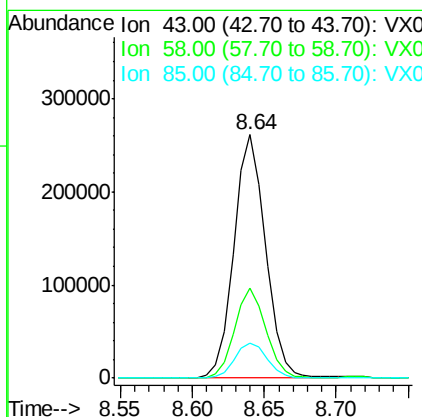
Manual Integrations
APPROVED

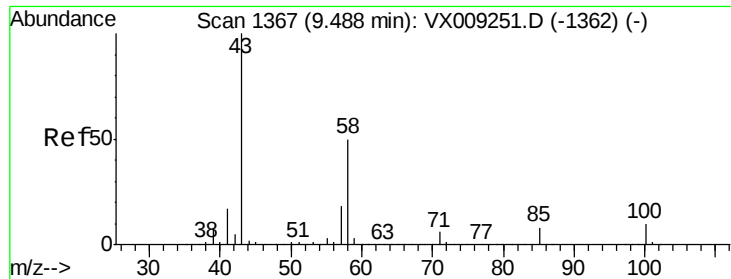
MMDadoda
5/2/2019 10:53:46 AM



#58
4-Methyl-2-Pentanone
Concen: 103.348 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0
85	14.9	11.8	17.8





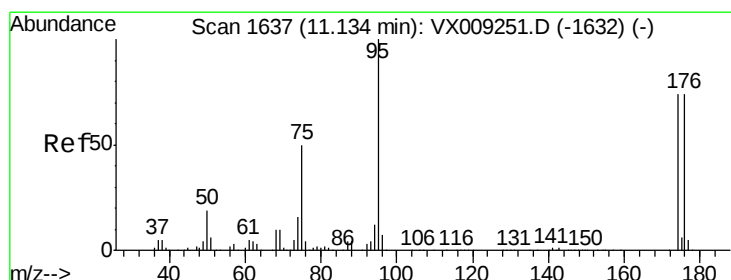
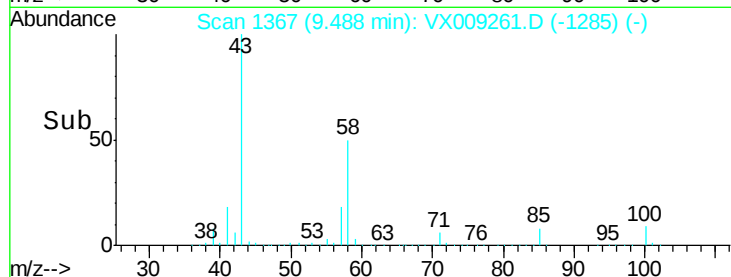
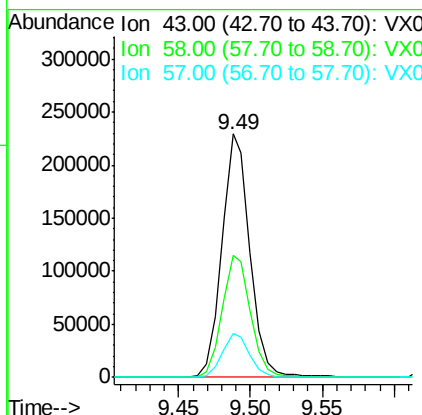
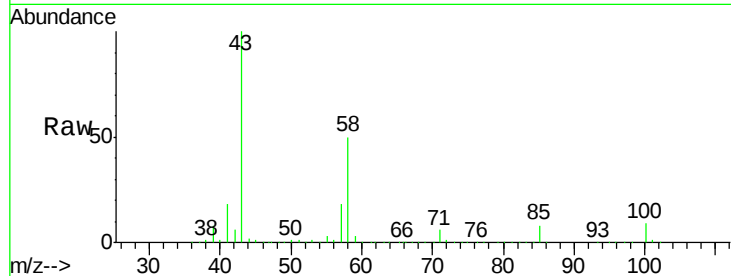
#59
2-Hexanone
Concen: 102.516 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ion	Ratio	Lower	Upper
311900	43	100		
	58	51.5	40.8	61.2
	57	18.0	14.1	21.1

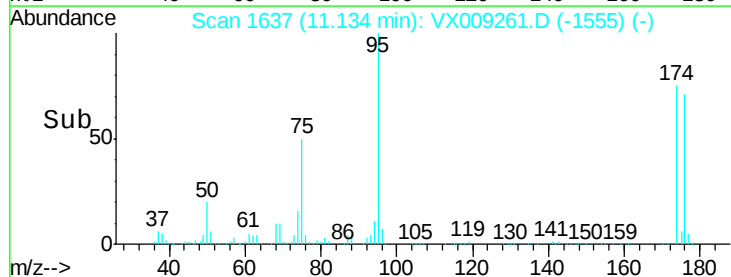
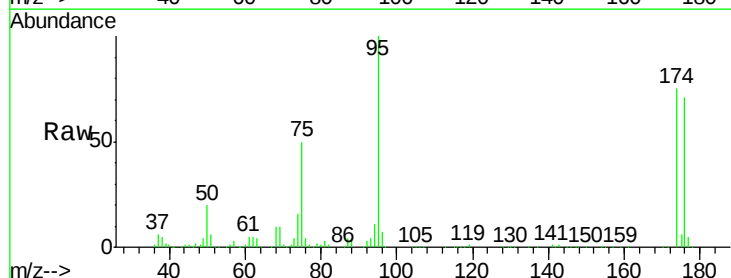
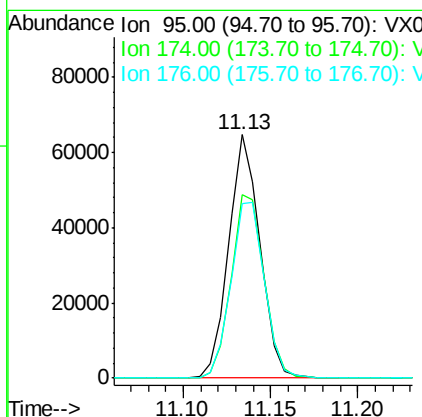
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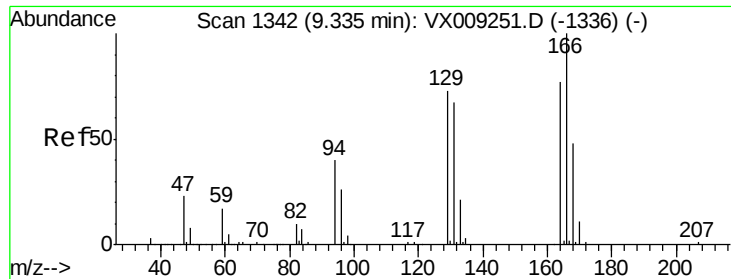
MMDadoda
5/2/2019 10:53:46 AM



#60
4-Bromofluorobenzene
Concen: 29.955 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
80297	95	100		
	174	79.7	63.6	95.4
	176	77.7	62.4	93.6





#61

Tetrachloroethene

Concen: 20.877 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion:164 Resp: 36307

Ion Ratio Lower Upper

164 100

166 126.1 104.1 156.1

129 88.6 76.0 114.0

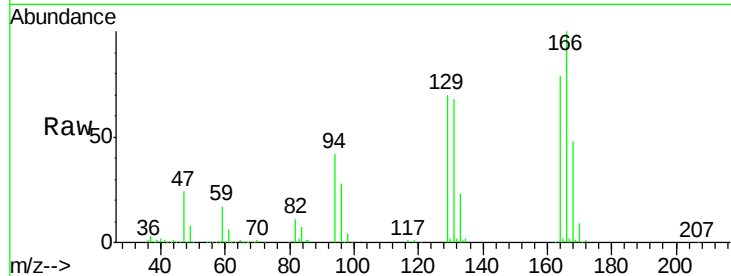
131 85.7 70.1 105.1

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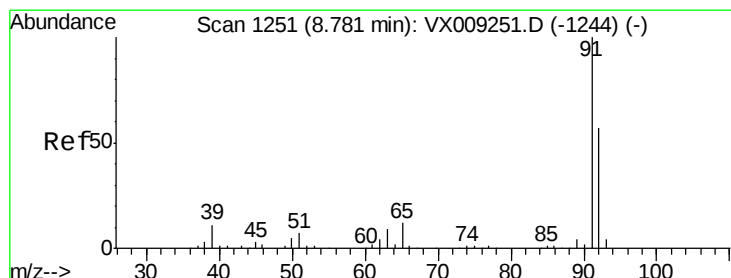
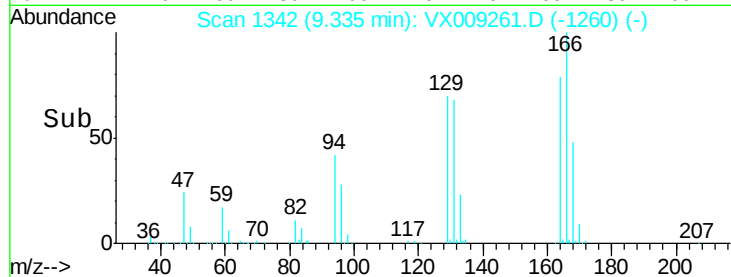
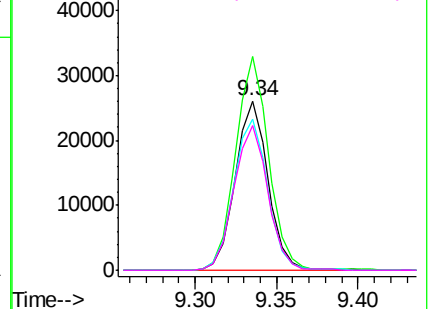


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.768 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009261.D

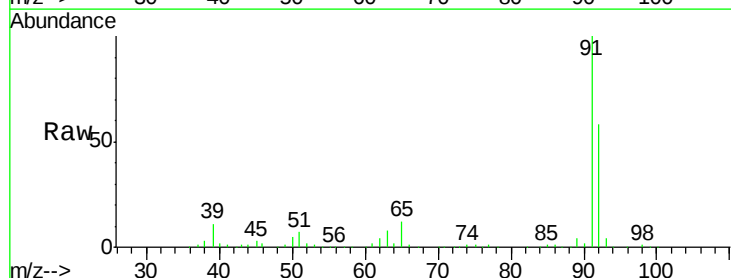
Acq: 01 May 2019 18:01

Tgt Ion: 91 Resp: 175069

Ion Ratio Lower Upper

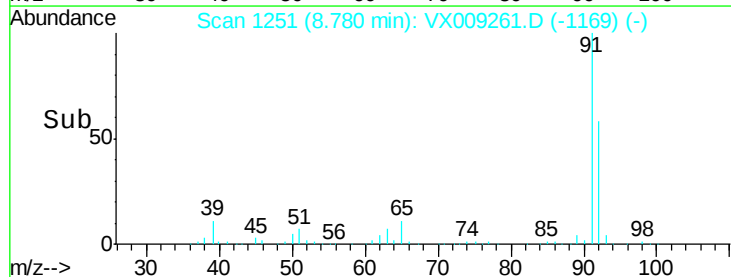
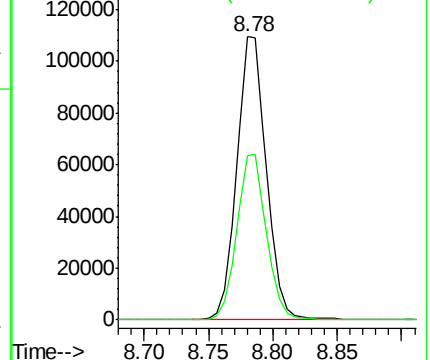
91 100

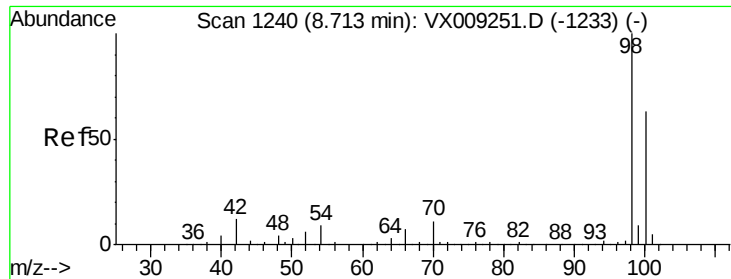
92 58.2 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.535 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion: 98 Resp: 228381

Ion Ratio Lower Upper

98 100

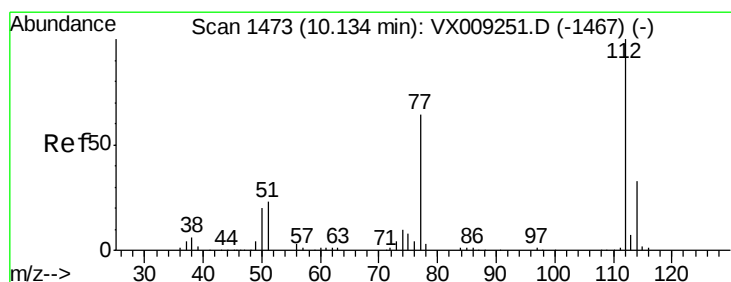
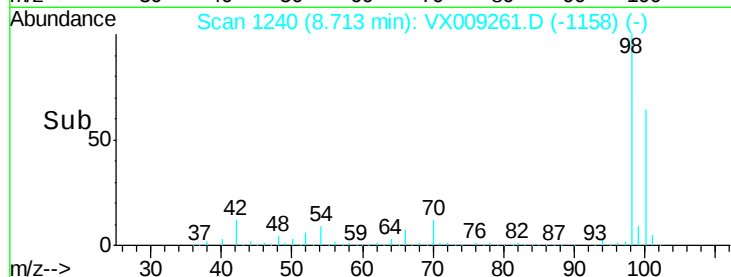
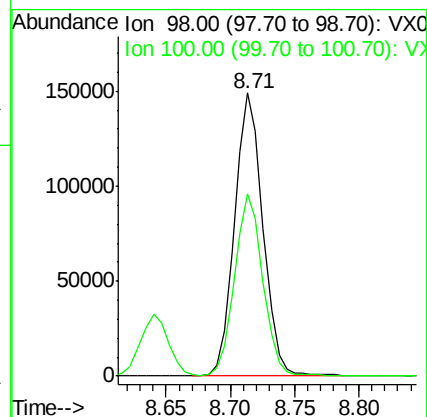
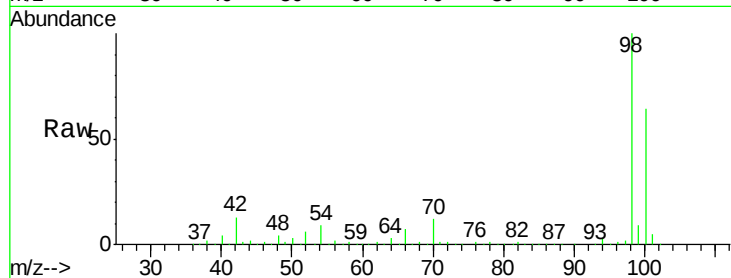
100 64.8 52.3 78.5

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#64

Chlorobenzene

Concen: 20.431 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009261.D

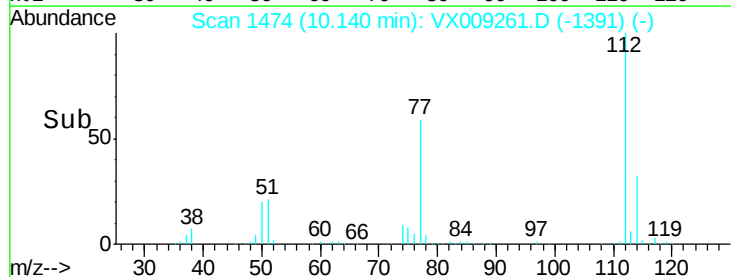
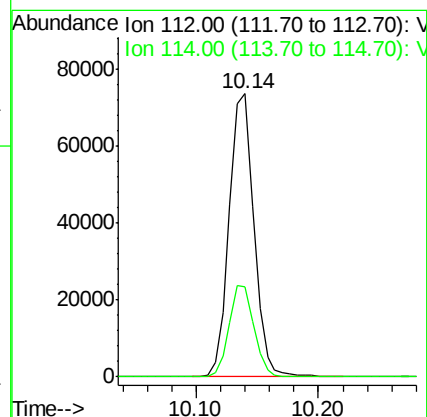
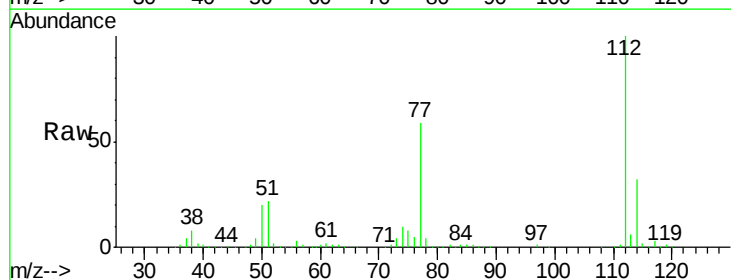
Acq: 01 May 2019 18:01

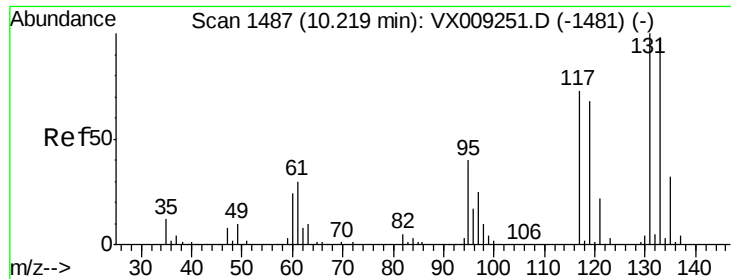
Tgt Ion: 112 Resp: 103649

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.251 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

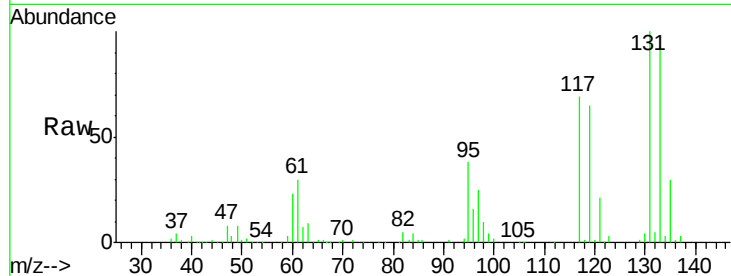
ClientSampleId :

VX0501WBS01

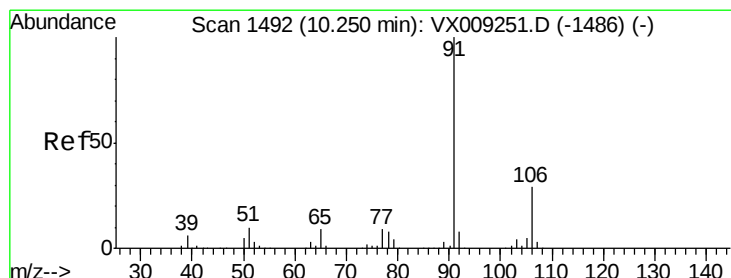
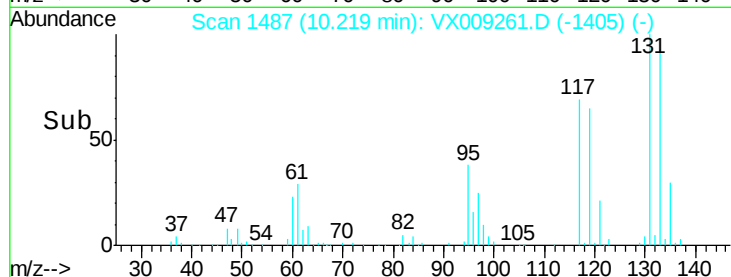
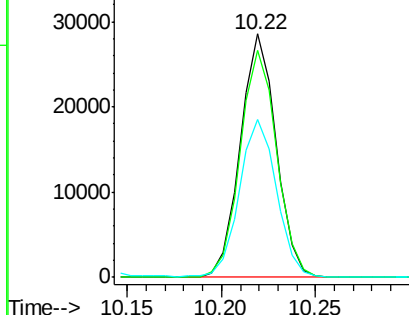
Tot Ion:	131	Resp:	37617
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	191.2
119	67.1	0.0	135.4

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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.447 ug/l

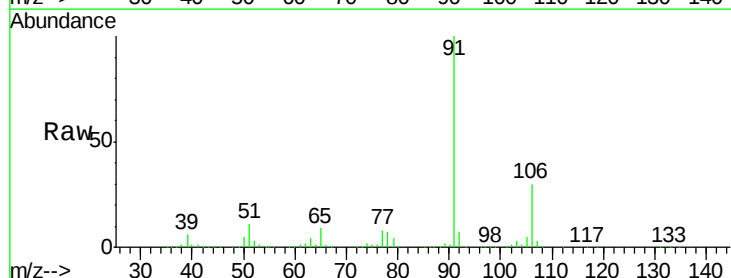
RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

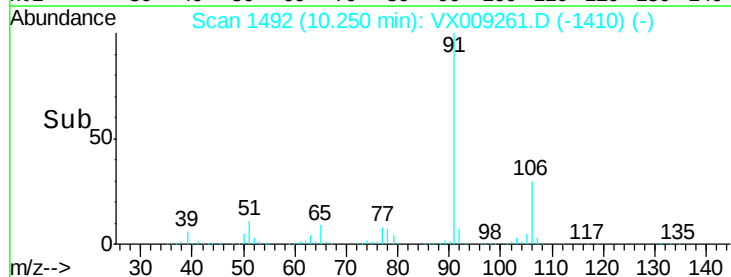
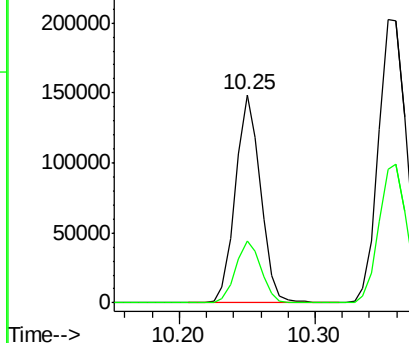
Lab File: VX009261.D

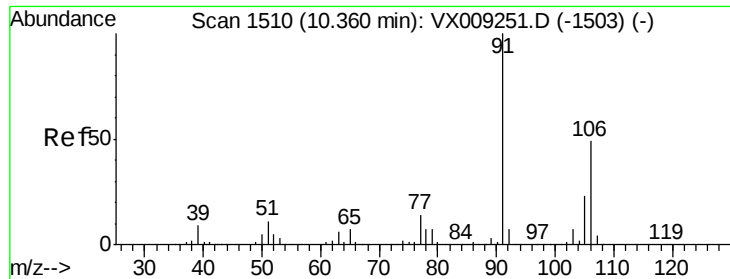
Acq: 01 May 2019 18:01

Tgt Ion:	91	Resp:	192014
Ion Ratio	Lower	Upper	
91	100		
106	30.0	23.5	35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





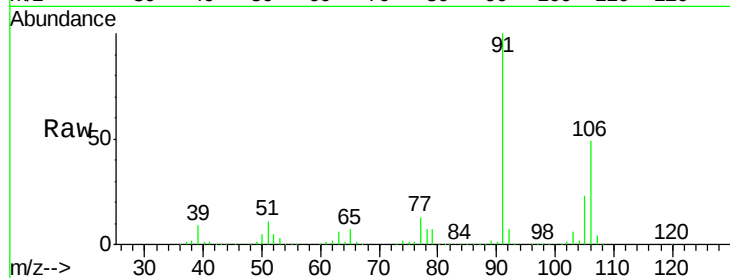
#67
m/p-Xvlenes
Concen: 41.421 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

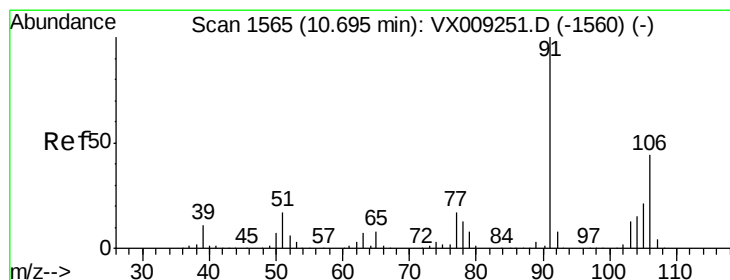
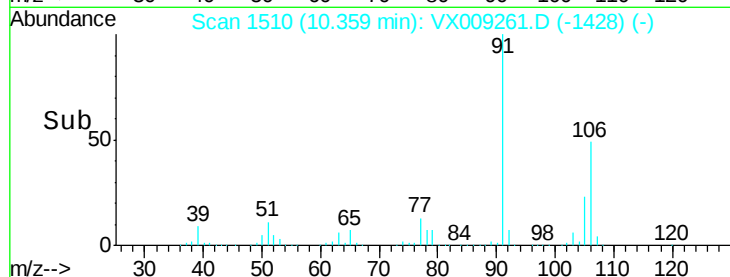
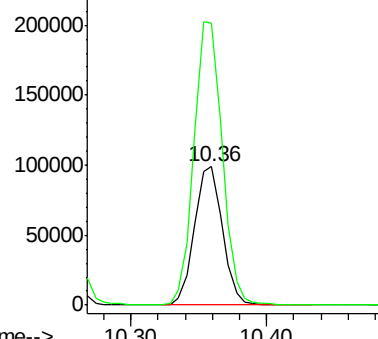
Tot Ion:106 Resp: 142019
Ion Ratio Lower Upper
106 100
91 206.0 166.8 250.2

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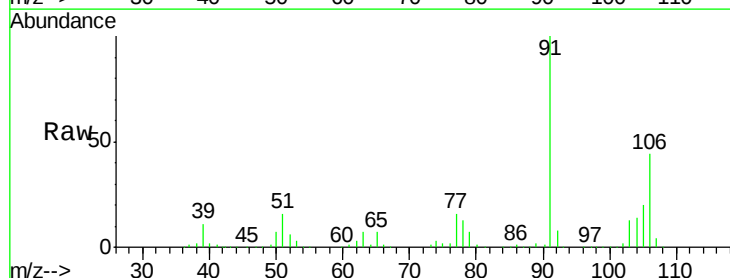


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

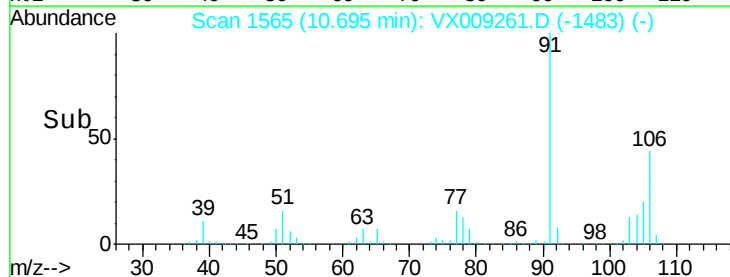
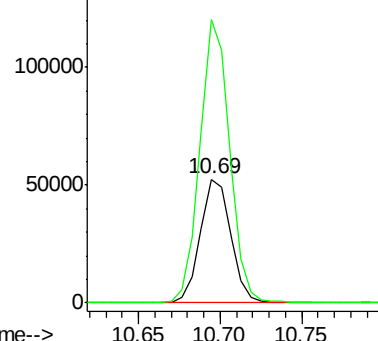


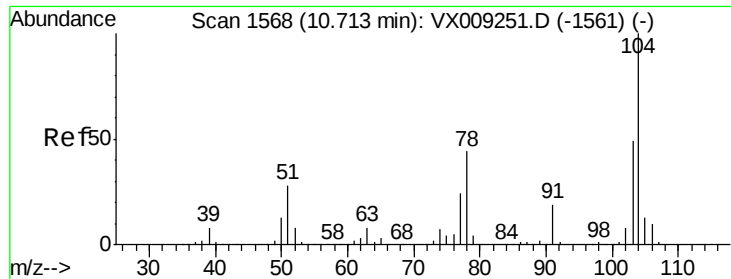
#68
o-Xylene
Concen: 20.353 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion:106 Resp: 68618
Ion Ratio Lower Upper
106 100
91 221.7 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





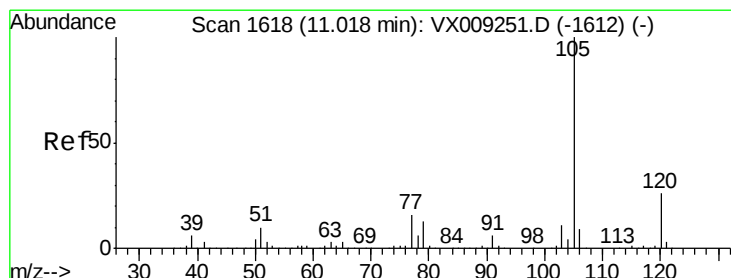
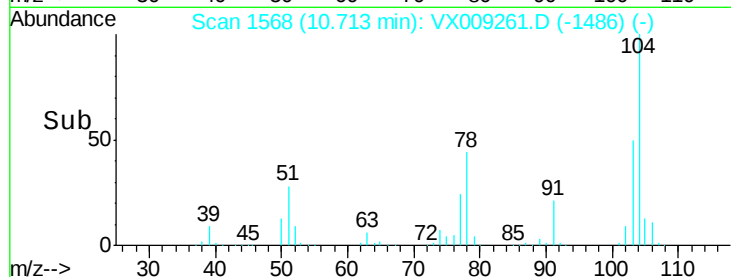
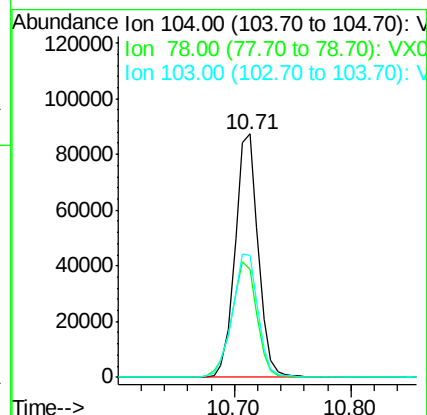
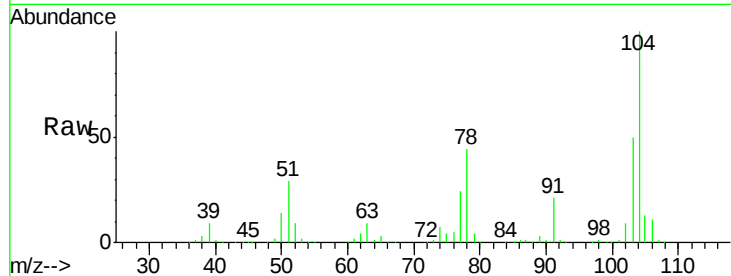
#69
Stvrene
Concen: 20.376 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.1	61.7
103	56.1	43.8	65.8

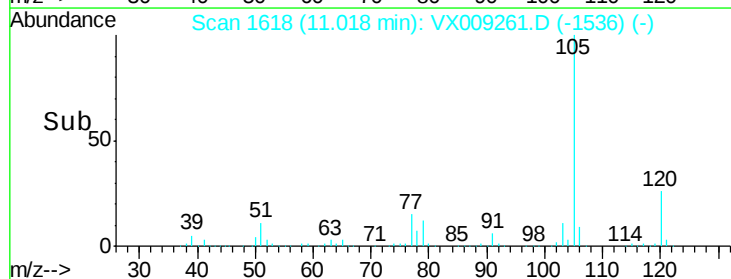
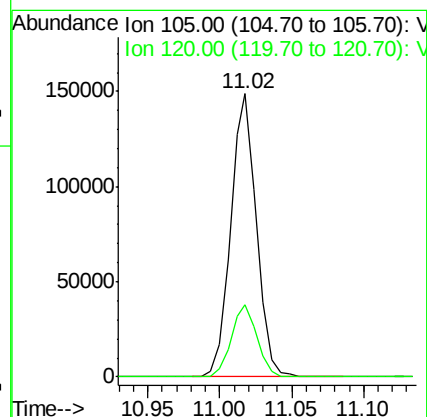
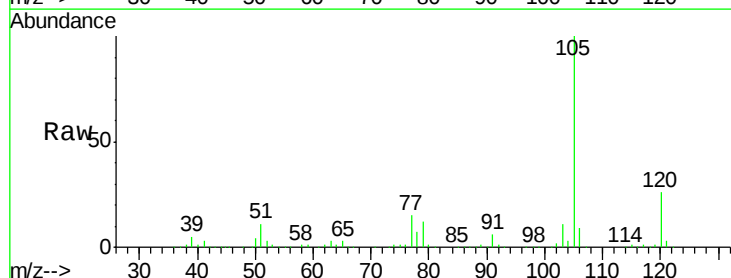
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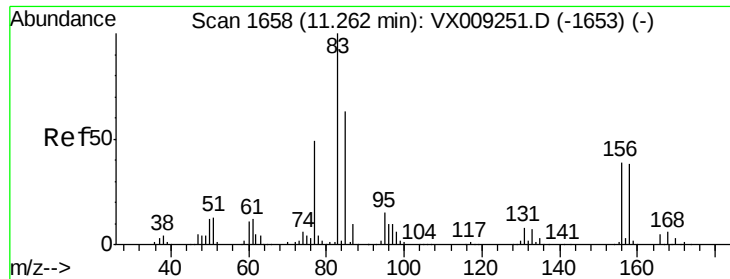
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#70
Isopropylbenzene
Concen: 20.585 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 20.514 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

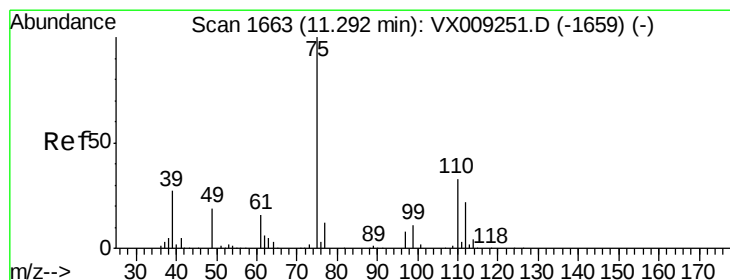
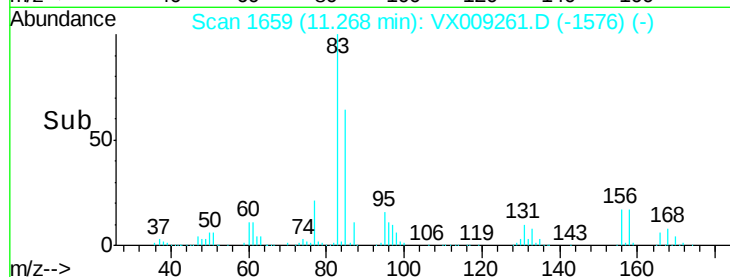
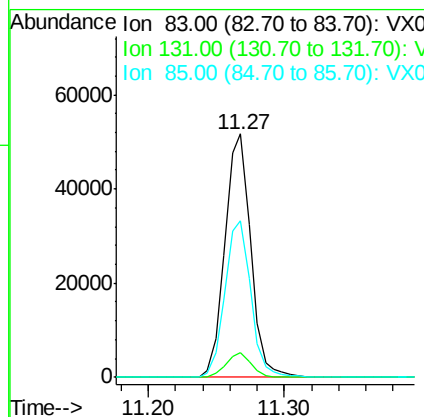
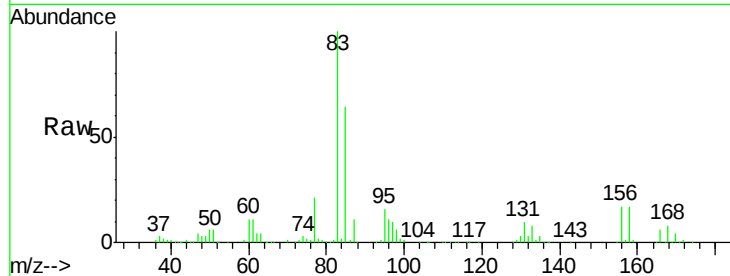
ClientSampled :

VX0501WBS01

Tot Ion:	83	Resp:	68116
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.0
85	64.9	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 20.853 ug/l m

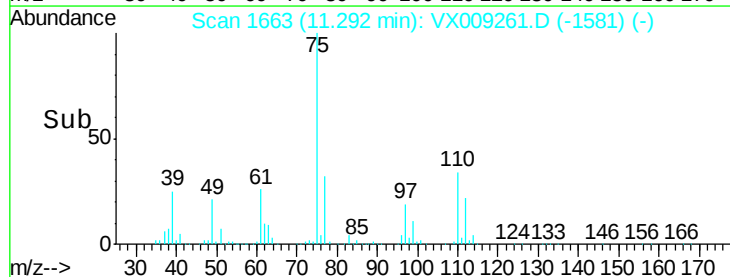
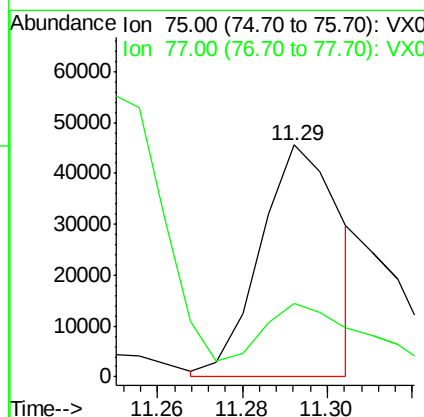
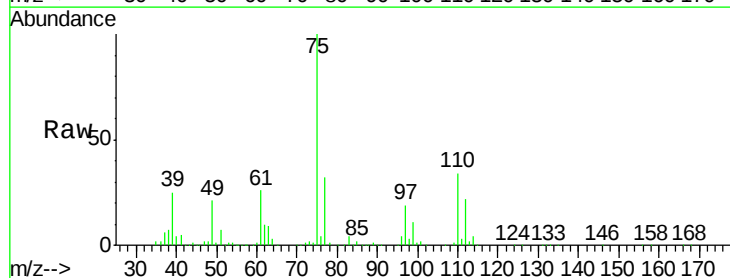
RT: 11.29 min Scan# 1663

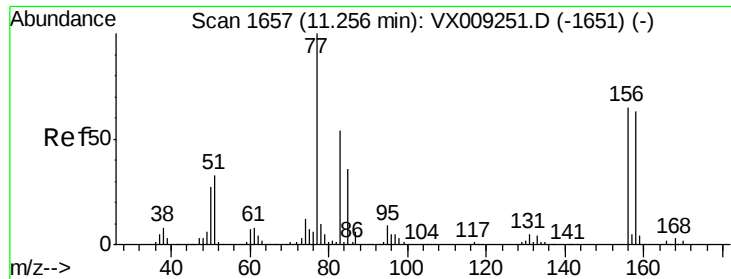
Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion:	75	Resp:	59669
Ion Ratio	Lower	Upper	
75	100		
77	43.6	0.0	86.4





#73

Bromobenzene

Concen: 20.055 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion:156 Resp: 44927

Ion Ratio Lower Upper

156 100

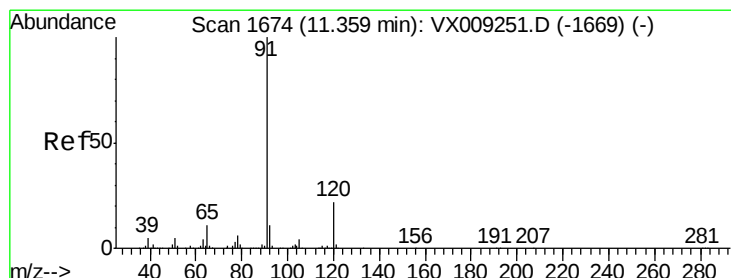
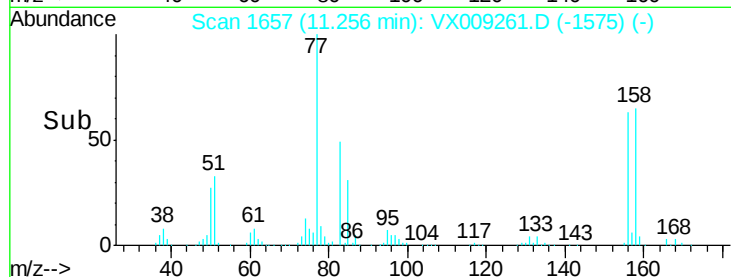
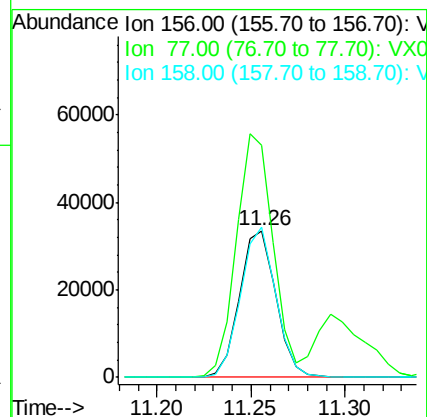
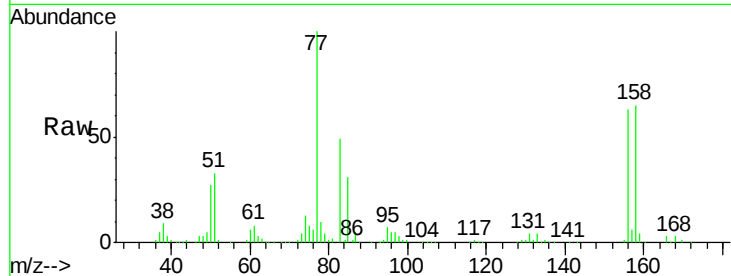
77 167.6 0.0 335.6

158 99.3 0.0 191.2

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#74

n-propylbenzene

Concen: 20.350 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009261.D

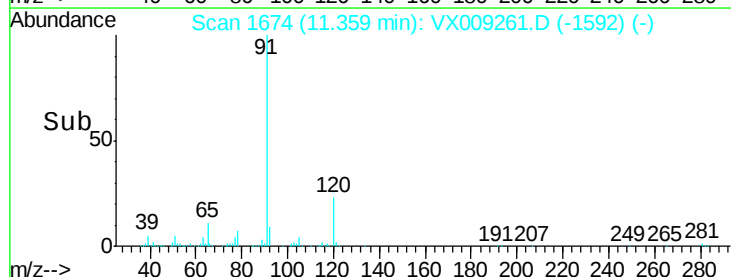
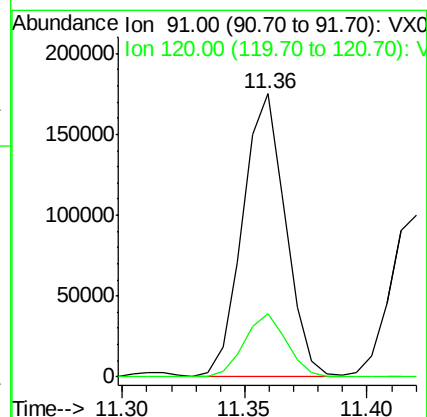
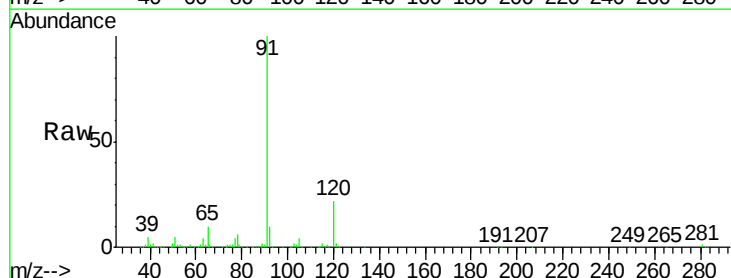
Acq: 01 May 2019 18:01

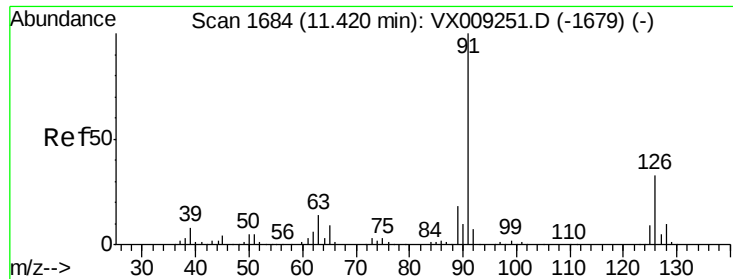
Tgt Ion: 91 Resp: 213810

Ion Ratio Lower Upper

91 100

120 21.9 0.0 43.4





#75

2-Chlorotoluene

Concen: 20.334 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion: 91 Resp: 128142

Ion Ratio Lower Upper

91 100

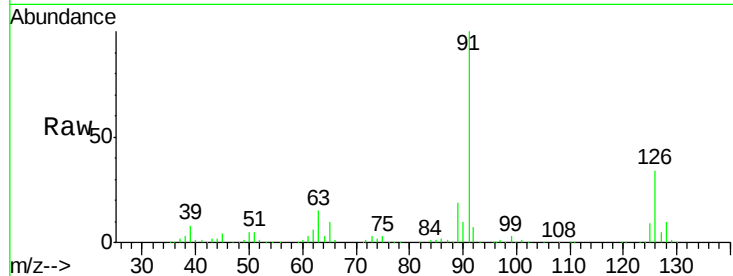
126 32.6 0.0 64.0

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Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)

200000

150000

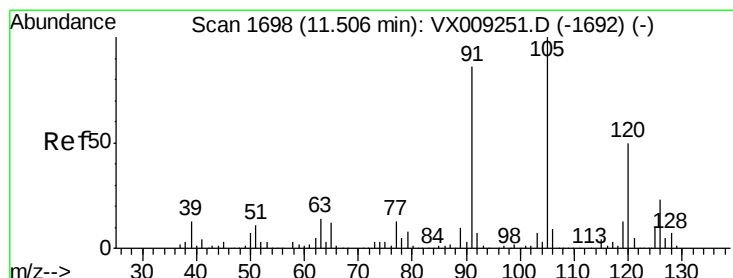
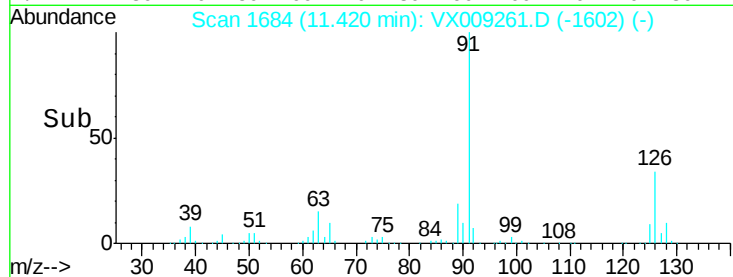
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.428 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009261.D

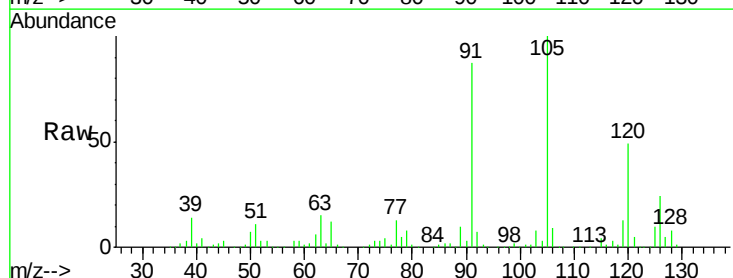
Acq: 01 May 2019 18:01

Tgt Ion:105 Resp: 156892

Ion Ratio Lower Upper

105 100

120 47.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)

150000

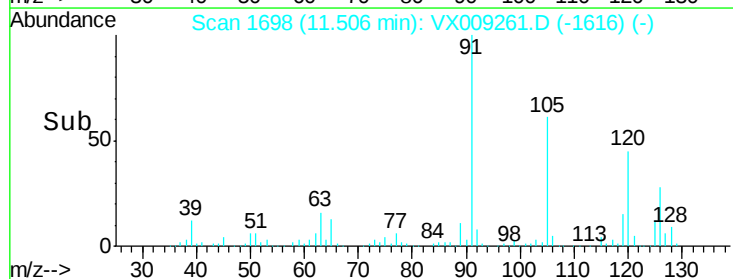
100000

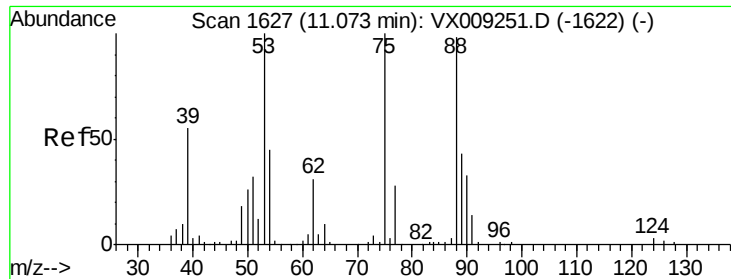
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.344 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion: 75 Resp: 21173

Ion Ratio Lower Upper

75 100

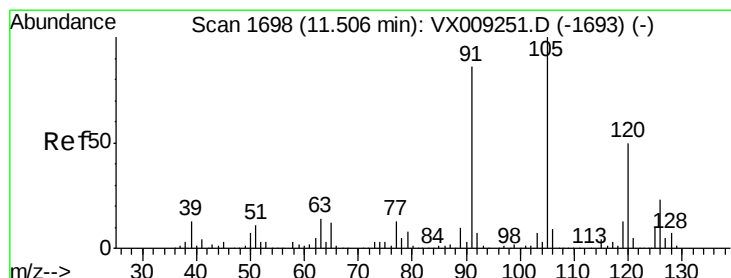
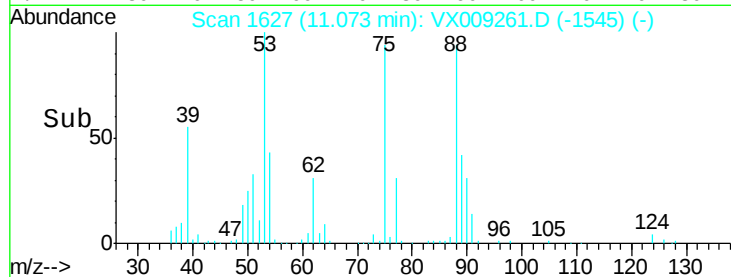
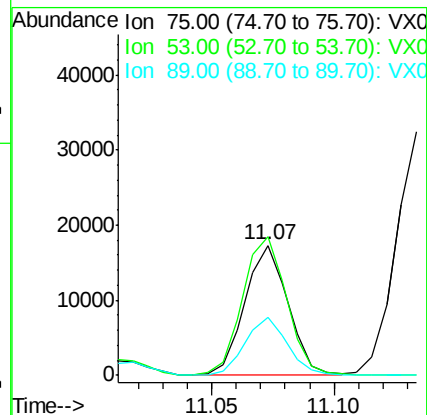
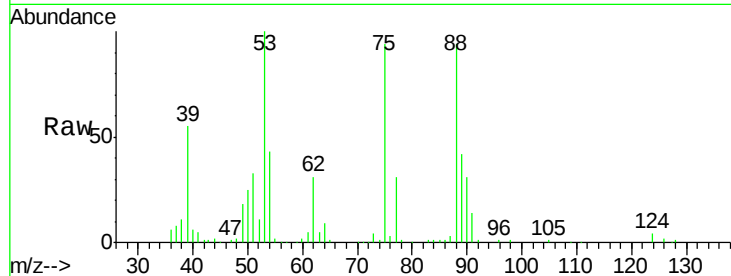
53 106.0 50.0 149.8

89 45.4 21.6 65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.042 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009261.D

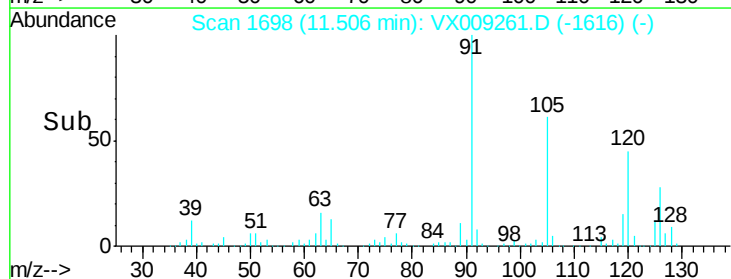
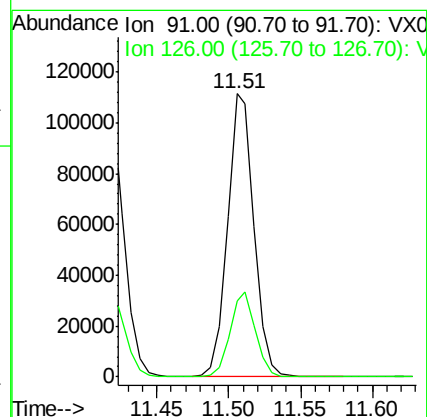
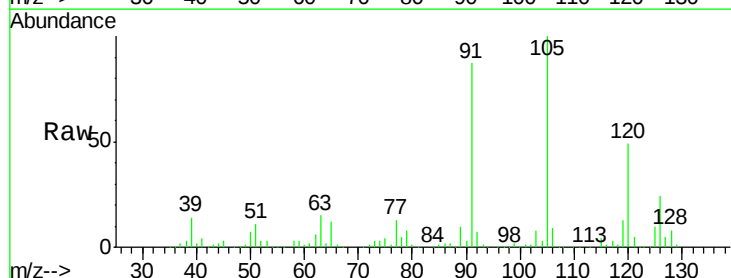
Acq: 01 May 2019 18:01

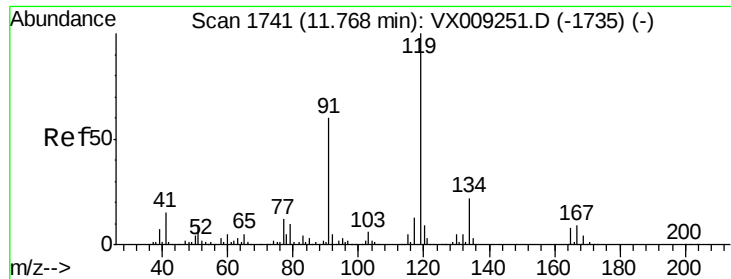
Tgt Ion: 91 Resp: 143451

Ion Ratio Lower Upper

91 100

126 29.0 0.0 57.0





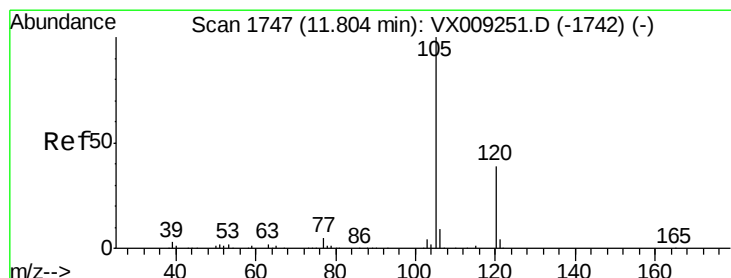
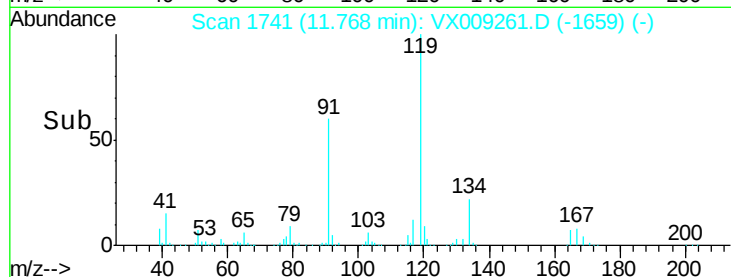
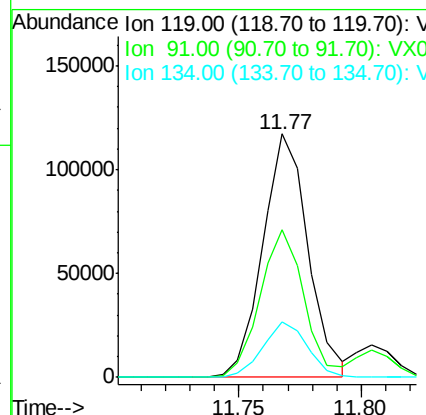
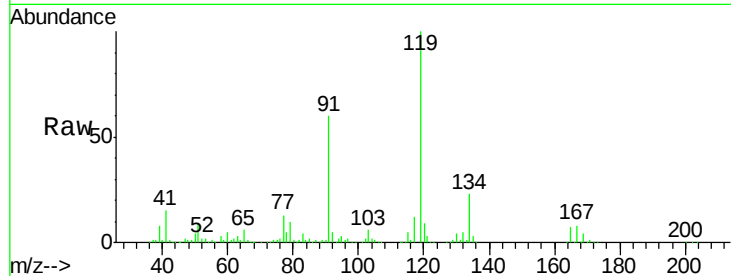
#79
tert-butylbenzene
Concen: 20.476 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	152028		
91	59.1	0.0	118.2	
134	22.4	0.0	45.0	

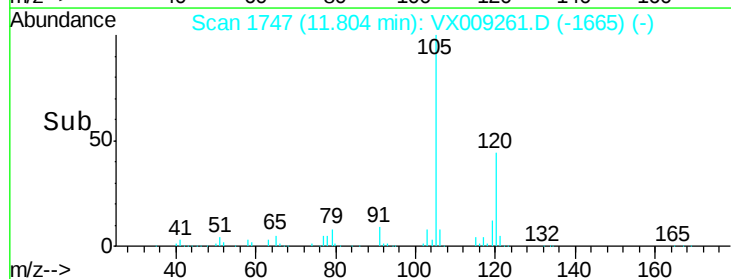
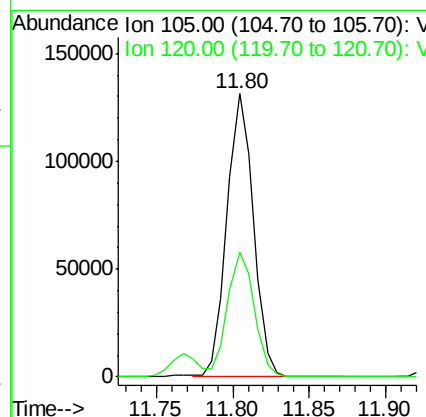
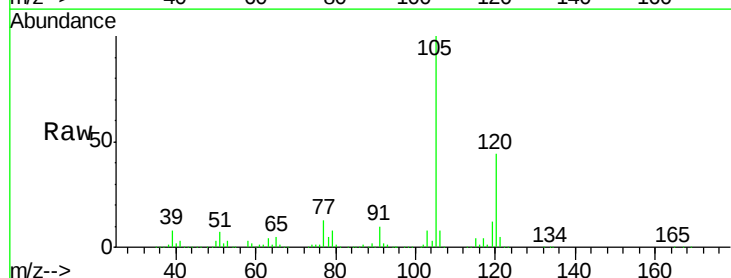
Manual Integrations
APPROVED

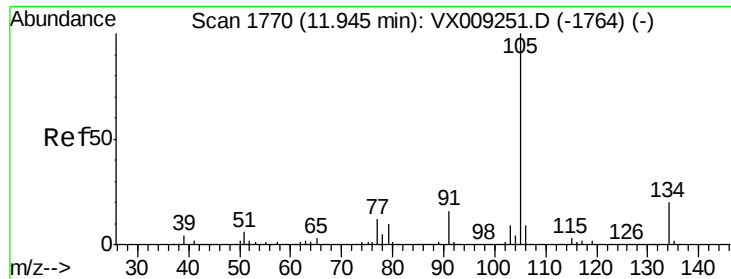
MMDadoda
5/2/2019 10:53:46 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.525 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	157994		
120	43.9	0.0	89.6	





#81

sec-Butylbenzene

Concen: 20.377 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

Tot Ion:105 Resp: 179743

Ion Ratio Lower Upper

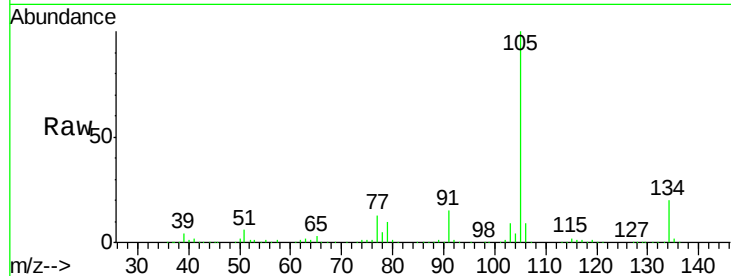
105 100

134 19.5 0.0 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

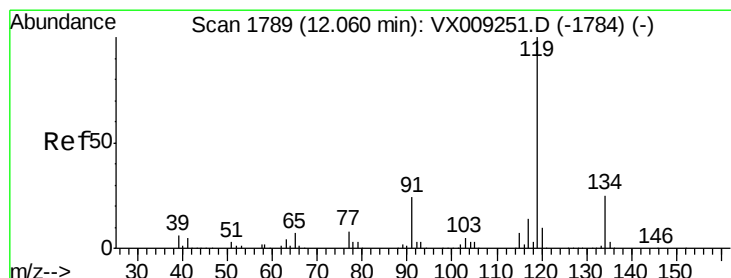
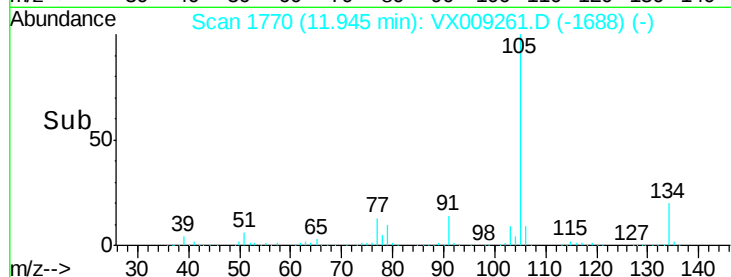
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.464 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

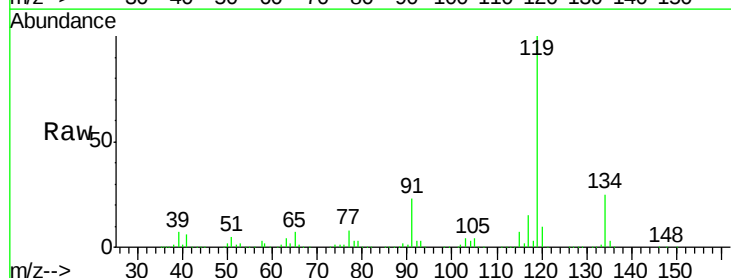
Tgt Ion:119 Resp: 164202

Ion Ratio Lower Upper

119 100

134 25.1 0.0 50.8

91 22.9 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

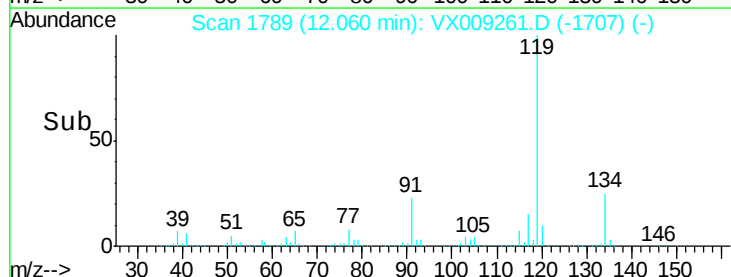
150000

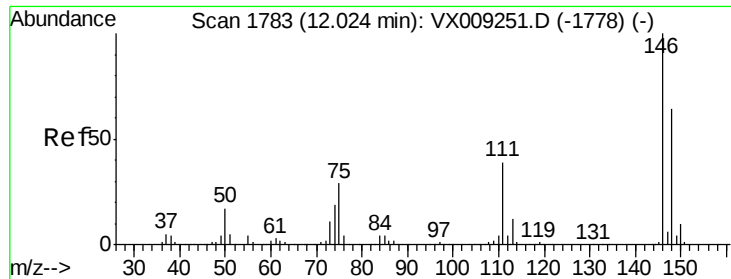
100000

50000

0

Time-->





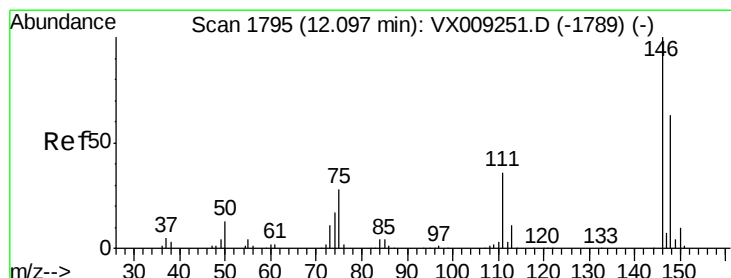
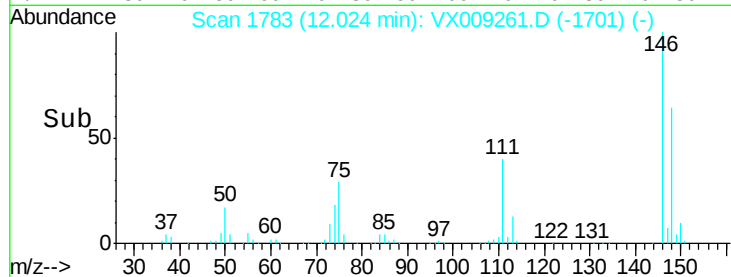
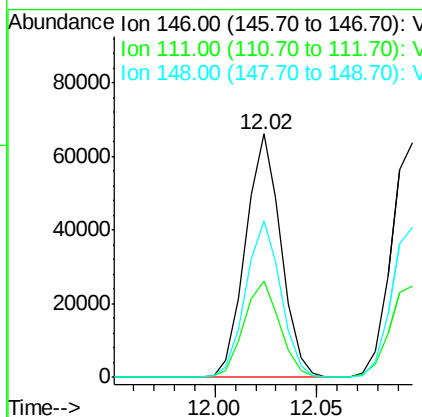
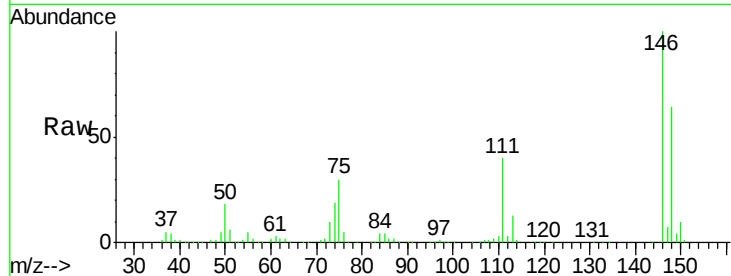
#83
 1,3-Dichlorobenzene
 Concen: 19.933 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0501WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.1	32.2	96.6

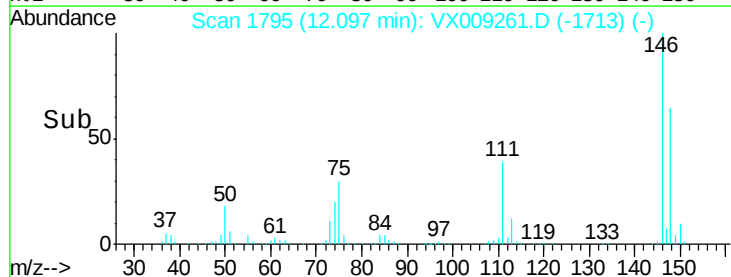
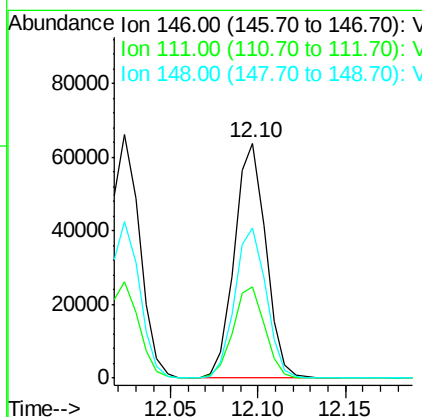
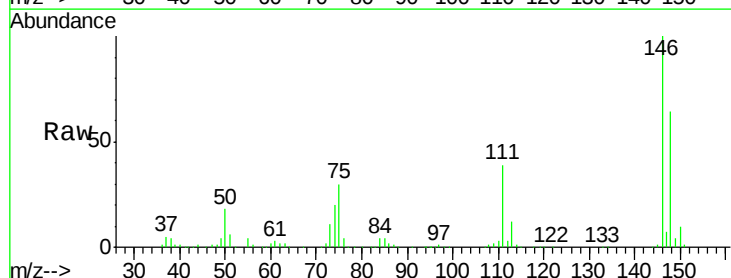
Manual Integrations
 APPROVED

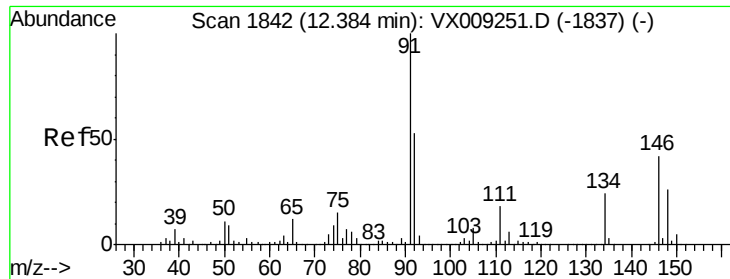
MMDadoda
 5/2/2019 10:53:46 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.033 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	64.1	32.3	96.8





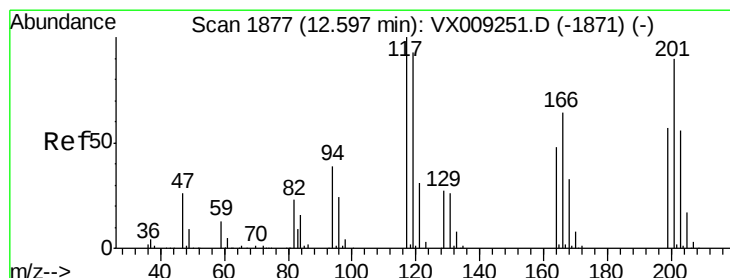
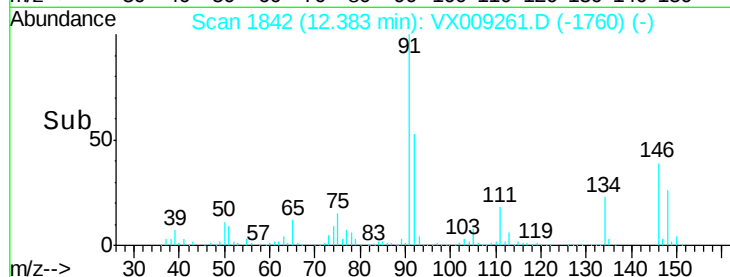
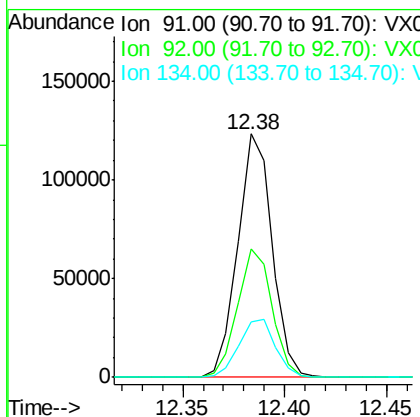
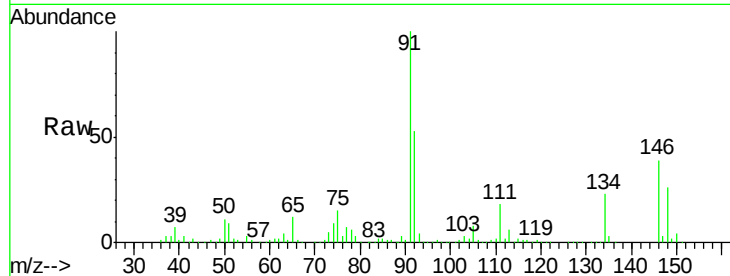
#85
n-Butylbenzene
Concen: 19.649 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	144268		
92	52.9	0.0	106.6	
134	25.1	0.0	50.0	

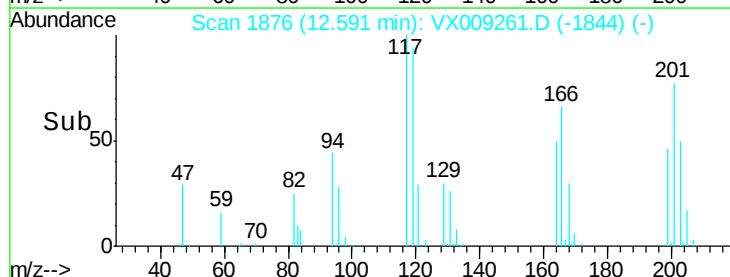
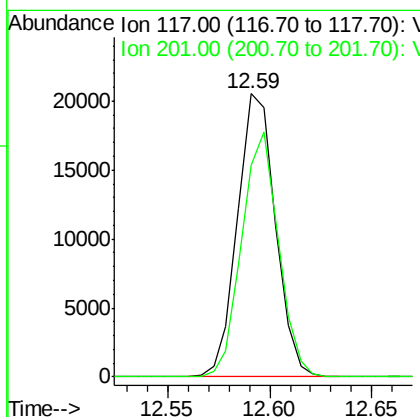
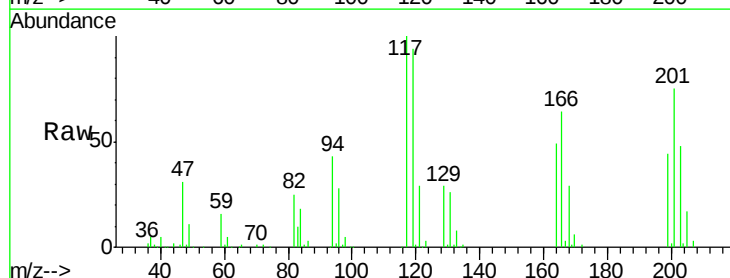
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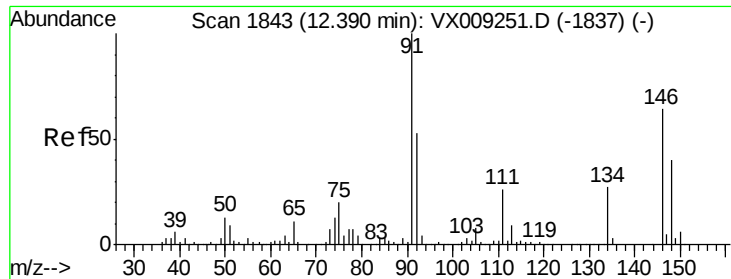
MMDadoda
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#86
Hexachloroethane
Concen: 19.483 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26602		
201	83.8	41.8	125.4	





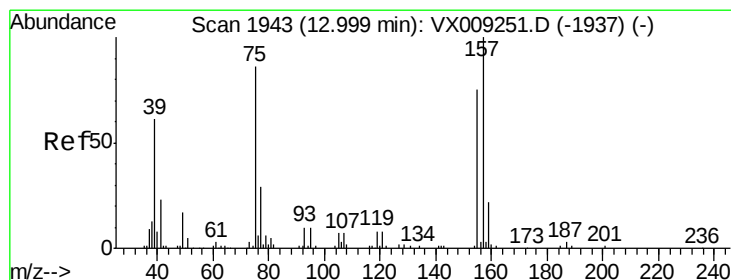
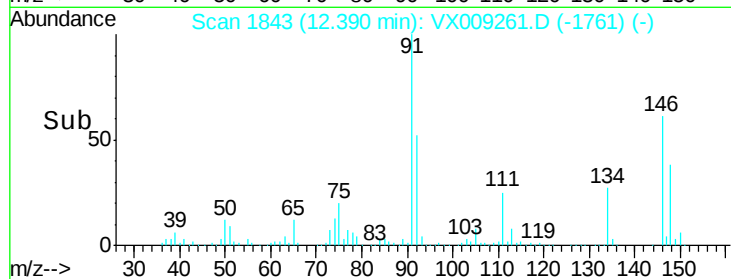
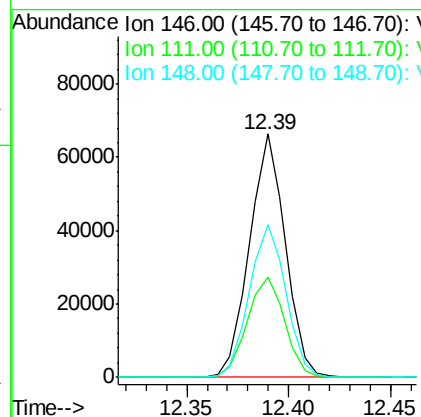
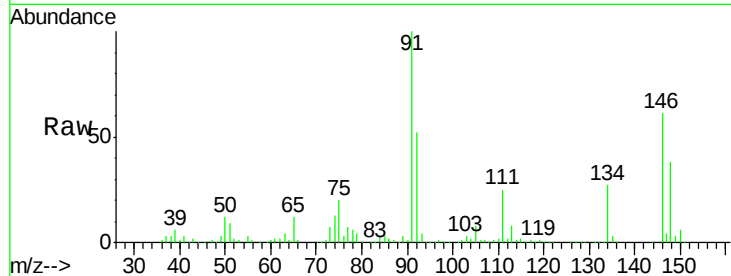
#87
 1,2-Dichlorobenzene
 Concen: 20.132 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.8	62.2
148	64.2	31.4	94.3

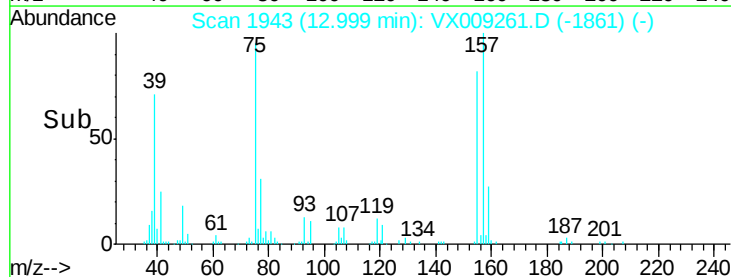
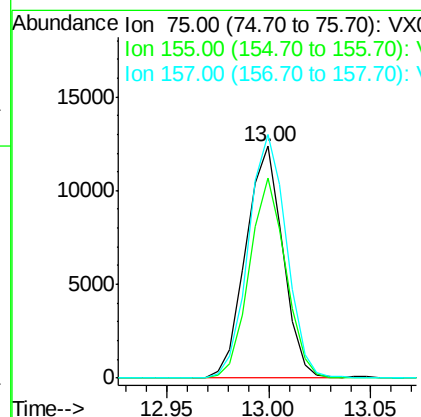
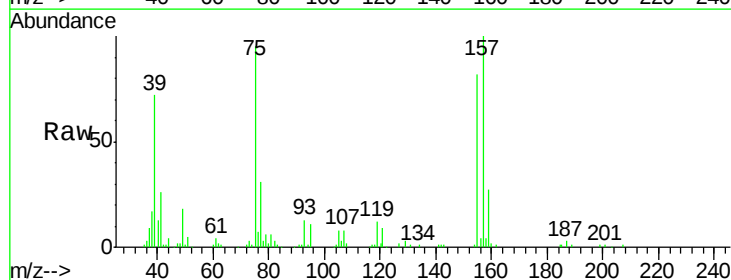
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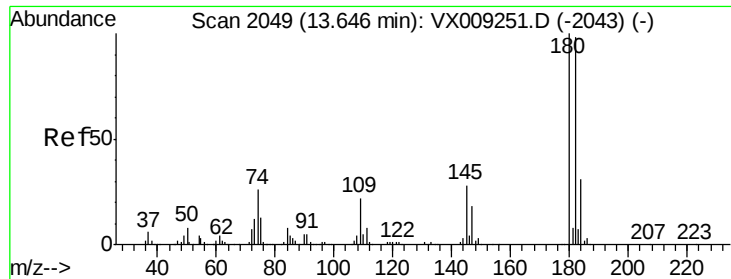
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 5/2/2019 10:53:46 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.219 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	65.9	98.9
157	107.9	85.2	127.8





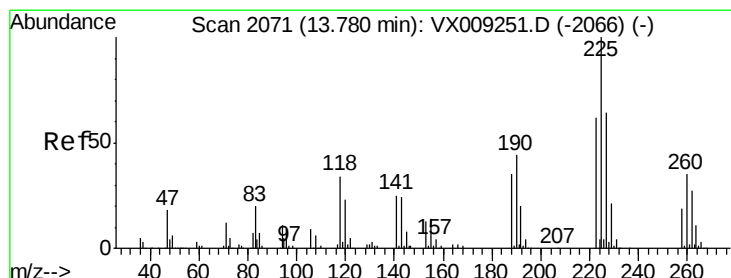
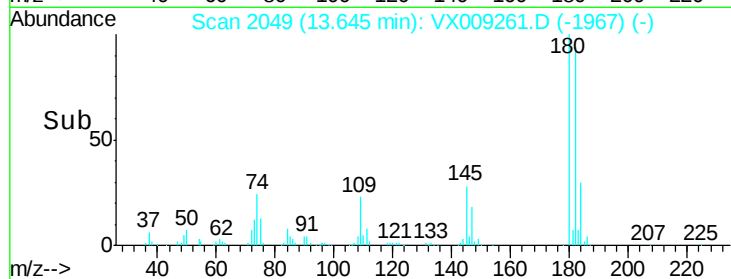
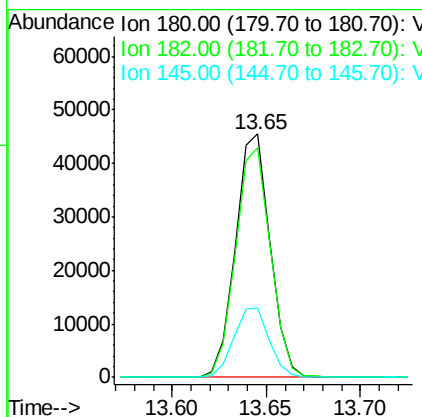
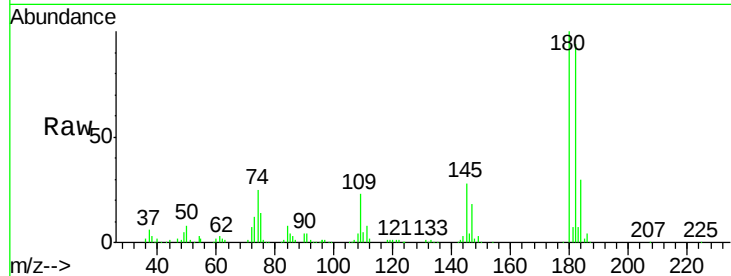
#89
 1,2,4-Trichlorobenzene
 Concen: 20.156 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion:	180	Resp:	57853
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.9	115.3
145	29.3	23.0	34.6

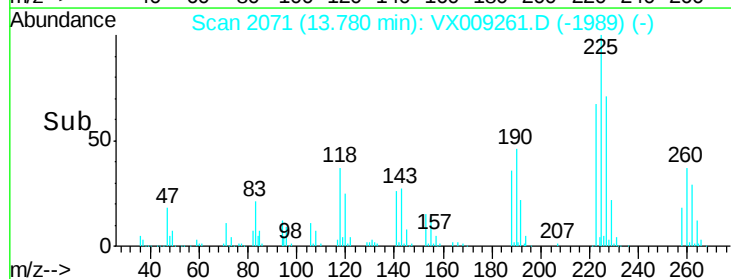
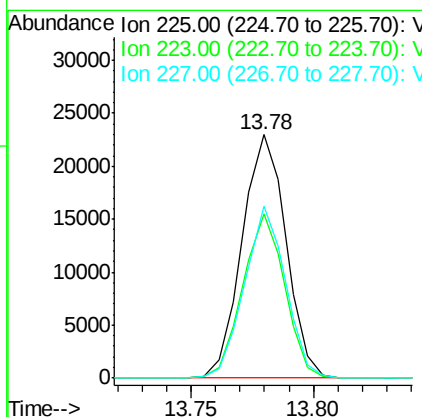
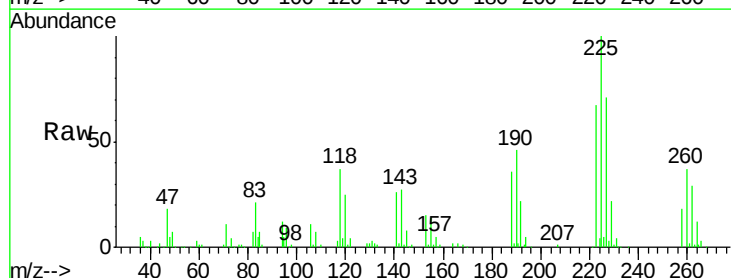
Manual Integrations
 APPROVED

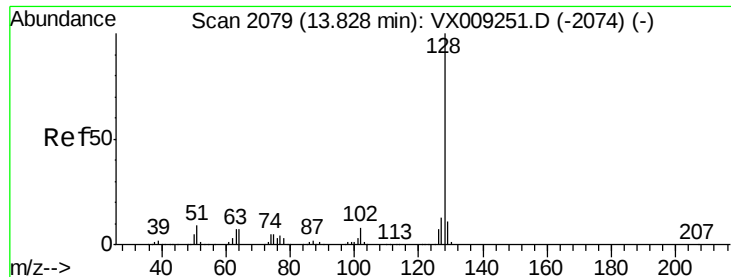
MMDadoda
 5/2/2019 10:53:46 AM



#90
 Hexachlorobutadiene
 Concen: 20.072 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion:	225	Resp:	28779
Ion Ratio	Lower	Upper	
225	100		
223	64.2	0.0	126.6
227	66.1	0.0	130.0





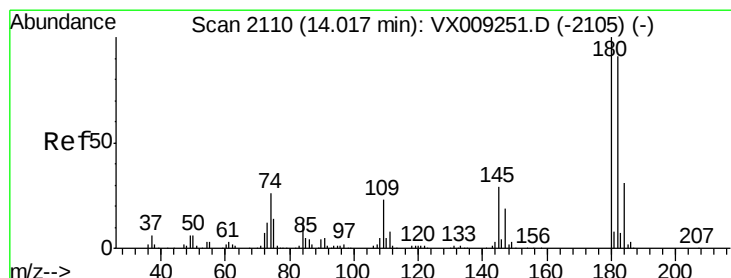
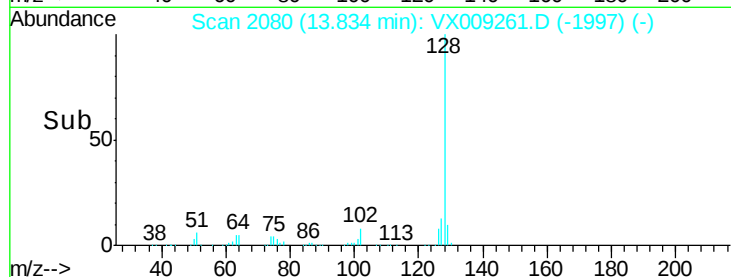
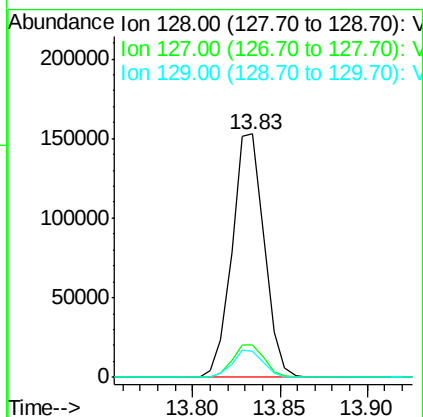
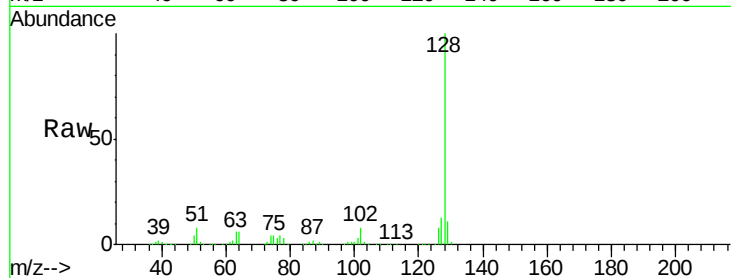
#91
Naphthalene
Concen: 20.814 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:46 AM



#92
1,2,3-Trichlorobenzene
Concen: 20.929 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	189.0
145	30.3	0.0	61.6

