

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007963.D
 Acq On : 11 Mar 2019 11:44
 Operator : JC/SP
 Sample : VX0311WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

Manual Integrations
 APPROVED

Quant Time: Mar 12 08:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	58097	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	314888	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	278170	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	112031	29.34	ug/l	0.00	MMDadoda
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%	
60) 4-Bromofluorobenzene	11.13	95	134366	30.26	ug/l	0.00	
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.87%	
63) Toluene-d8	8.71	98	378679	29.75	ug/l	0.00	
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%	3/12/2019 1:09:59 PM

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	78495	22.759	ug/l 99
3) Chloromethane	1.33	50	81297	21.197	ug/l 96
4) Vinyl Chloride	1.41	62	80701	21.242	ug/l 99
5) Bromomethane	1.64	94	42189	22.275	ug/l 98
6) Chloroethane	1.73	64	47551	21.432	ug/l 93
7) Trichlorofluoromethane	1.93	101	103686	21.917	ug/l 96
8) Diethyl Ether	2.19	74	55743	22.880	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84707	23.816	ug/l 97
10) 1,1-Dichloroethene	2.38	96	79894	23.699	ug/l 98
11) Methyl Iodide	2.51	142	126610	23.991	ug/l 94
12) Methyl Acetate	2.78	43	115273	21.620	ug/l 96
13) Acrolein	2.29	56	57736	92.303	ug/l 98
14) Acrylonitrile	3.15	53	255082	112.704	ug/l 99
15) Acetone	2.45	58	83051	101.637	ug/l 99
16) Carbon Disulfide	2.57	76	239638	22.657	ug/l 100
17) Allyl chloride	2.73	41	157664	22.812	ug/l 91
18) Methylene Chloride	2.86	84	87260	22.721	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	83304	23.354	ug/l 97
20) Diisopropyl ether	3.87	45	287993	22.777	ug/l 95
21) 1,1-Dichloroethane	3.70	63	158335	23.025	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	93326	22.682	ug/l 92
23) tert-Butyl Alcohol	3.06	59	103286	113.119	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	269509	23.252	ug/l 95
25) Chloroform	5.21	83	148732	22.915	ug/l 97
26) Cyclohexane	5.57	56	145709	22.930	ug/l # 91
29) 1,1-Dichloropropene	5.80	75	115373	23.108	ug/l 97
30) 2-Butanone	4.70	43	363625	107.982	ug/l 98
31) 2,2-Dichloropropane	4.58	77	111737	24.230	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	126448	23.421	ug/l 99
33) Carbon Tetrachloride	5.78	117	113161	23.631	ug/l 95
34) Benzene	6.14	78	348836	22.799	ug/l 98
35) Methacrylonitrile	5.06	41	72074	21.964	ug/l 96
36) 1,2-Dichloroethane	6.20	62	111993	22.498	ug/l 98
37) Trichloroethene	7.21	130	97036	23.407	ug/l 97
38) Methylcyclohexane	7.46	83	148026	23.319	ug/l 96
39) 1,2-Dichloropropane	7.51	63	90877	22.774	ug/l 98
40) Dibromomethane	7.66	93	58423	23.082	ug/l 93

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0311WBS01

Manual Integrations
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Quant Time: Mar 12 08:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	110328	23.061	ug/l	98
42) Vinyl Acetate	3.82	43	1265796	116.122	ug/l	97
43) Ethyl Acetate	4.85	43	129435m	22.067	ug/l	
44) Isopropyl Acetate	6.46	43	198688	22.200	ug/l	98
45) 1,4-Dioxane	7.75	88	42554	454.464	ug/l	92
46) Methyl methacrylate	7.77	41	105727	22.462	ug/l	91 MMDadoda
47) n-amyl Acetate	10.90	43	170757	22.143	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	122042	23.553	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	136782	23.313	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	88163	22.851	ug/l	96
51) Ethyl methacrylate	9.18	69	133032	22.737	ug/l	94 3/12/2019 1:09:59 PM
52) 1,3-Dichloropropane	9.37	76	146157	22.927	ug/l	99
53) Dibromochloromethane	9.58	129	93610	23.588	ug/l	99
54) 1,2-Dibromoethane	9.67	107	92142	22.844	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	317104	116.526	ug/l	99
56) Bromoform	10.85	173	74418	23.509	ug/l #	96
58) 4-Methyl-2-Pentanone	8.65	43	653672	114.136	ug/l	99
59) 2-Hexanone	9.49	43	504156	111.518	ug/l	99
61) Tetrachloroethene	9.34	164	97438	24.013	ug/l	97
62) Toluene	8.78	91	372448	22.930	ug/l	100
64) Chlorobenzene	10.13	112	237129	22.906	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	88330	23.831	ug/l	99
66) Ethyl Benzene	10.25	91	403079	23.103	ug/l	97
67) m/p-Xylenes	10.36	106	311457	46.556	ug/l	96
68) o-Xylene	10.69	106	150345	23.144	ug/l	98
69) Styrene	10.71	104	249217	23.283	ug/l	99
70) Isopropylbenzene	11.02	105	411682	23.717	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	128380	22.393	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	127084m	23.517	ug/l	
73) Bromobenzene	11.26	156	108695	23.553	ug/l	98
74) n-propylbenzene	11.36	91	454774	23.226	ug/l	100
75) 2-Chlorotoluene	11.42	91	272218	23.195	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	337063	23.430	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	39212	23.485	ug/l	85
78) 4-Chlorotoluene	11.51	91	310582	23.406	ug/l	96
79) tert-butylbenzene	12.06	119	365770	23.693	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	343329	23.515	ug/l	97
81) sec-Butylbenzene	11.94	105	404173	23.373	ug/l	99
82) p-Isopropyltoluene	12.06	119	365770	23.693	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	192773	23.462	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	192187	23.379	ug/l	99
85) n-Butylbenzene	12.39	91	306855	23.242	ug/l	99
86) Hexachloroethane	12.60	117	59974	23.843	ug/l	82
87) 1,2-Dichlorobenzene	12.39	146	189242	23.306	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	26875	22.950	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	136638	23.414	ug/l	100
90) Hexachlorobutadiene	13.78	225	74946	23.286	ug/l	99
91) Naphthalene	13.83	128	389566	23.288	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	134297	23.153	ug/l	99

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

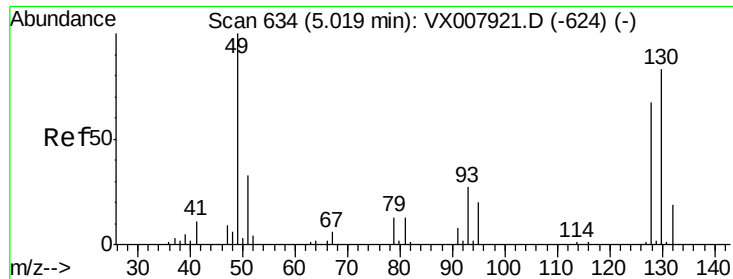
Quant Time: Mar 12 08:18:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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3/12/2019 1:09:59 PM



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

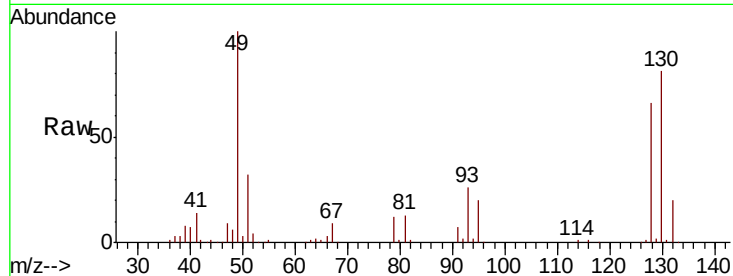
MSVOA_X

ClientSampleId :

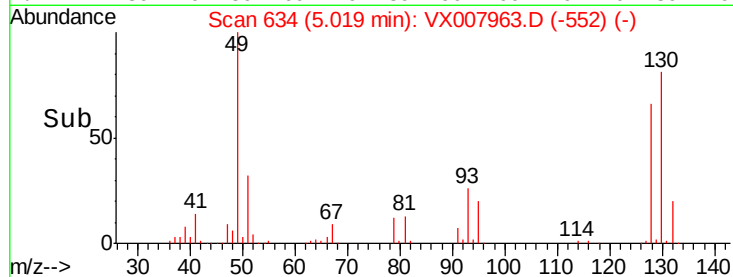
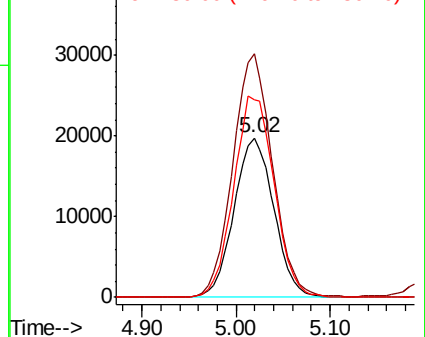
VX0311WBS01

Tgt Ion:	128	Resp:	58097
Ion	Ratio	Lower	Upper
128	100		
49	152.6	0.0	350.8
130	128.7	0.0	325.8

Manual Integrations
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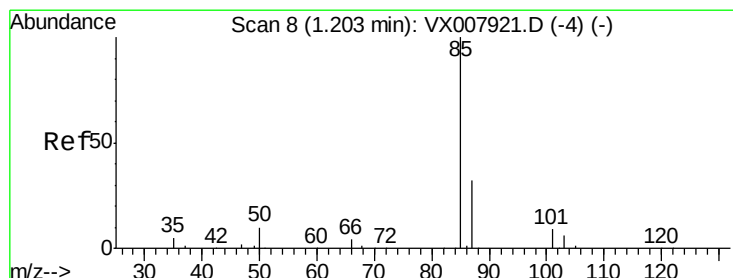


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



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3/12/2019 1:09:59 PM



#2

Dichlorodifluoromethane

Concen: 22.759 ug/l

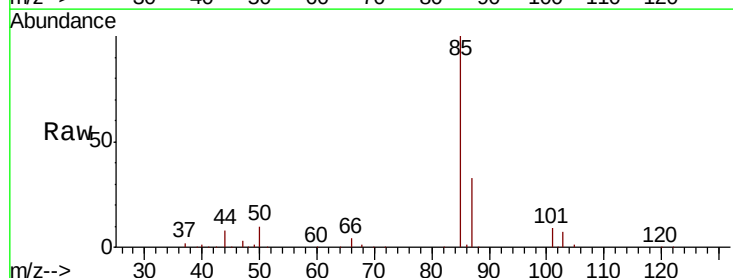
RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

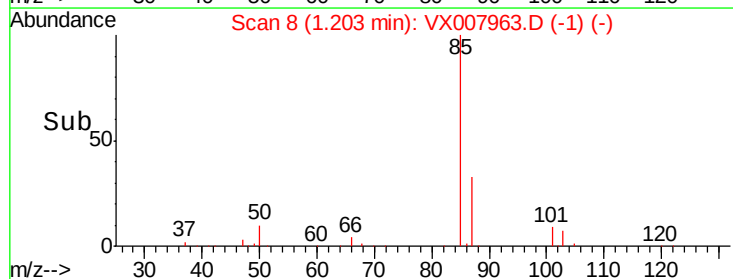
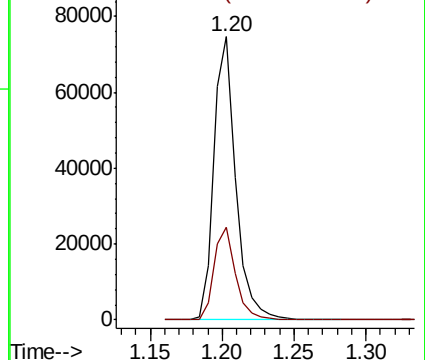
Lab File: VX007963.D

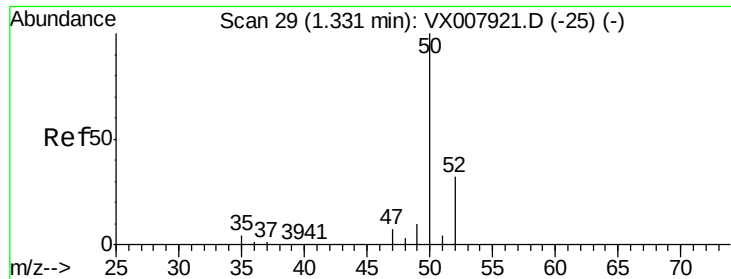
Acq: 11 Mar 2019 11:44

Tgt Ion:	85	Resp:	78495
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 21.197 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

Tgt Ion: 50 Resp: 81297

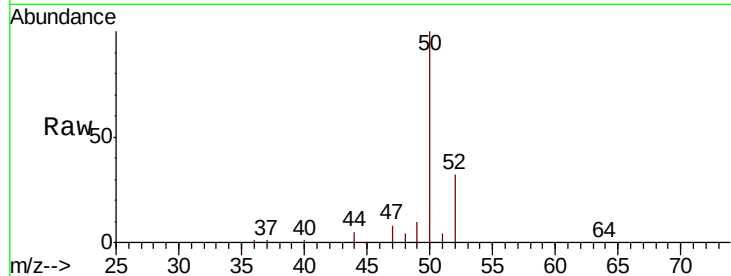
Ion Ratio Lower Upper

50 100

52 32.3 27.5 41.3

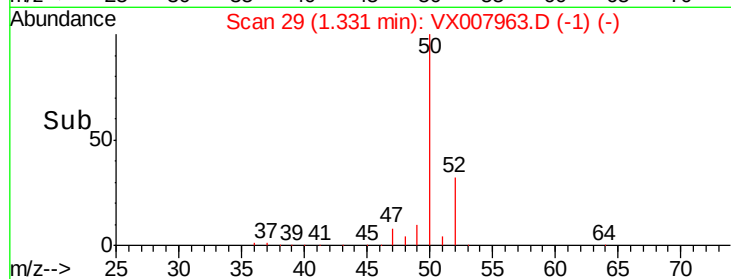
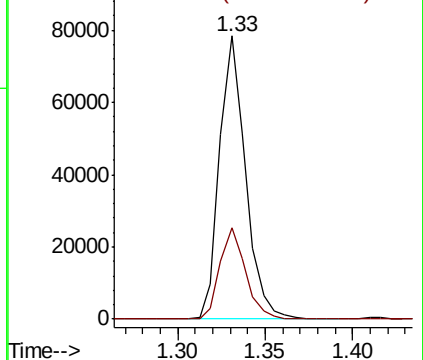
Manual Integrations

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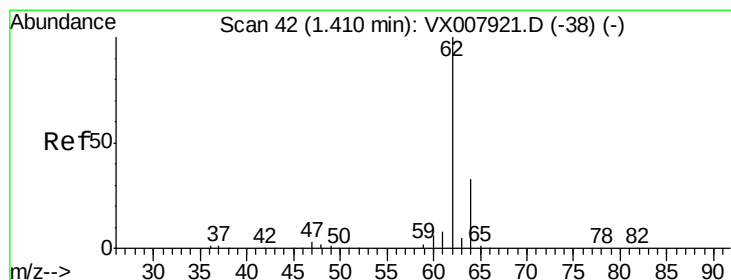
Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



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3/12/2019 1:09:59 PM



#4

Vinyl Chloride

Concen: 21.242 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007963.D

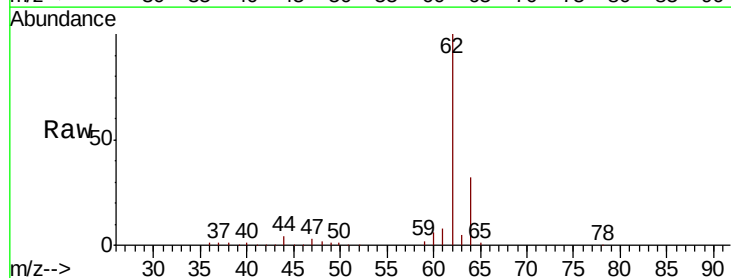
Acq: 11 Mar 2019 11:44

Tgt Ion: 62 Resp: 80701

Ion Ratio Lower Upper

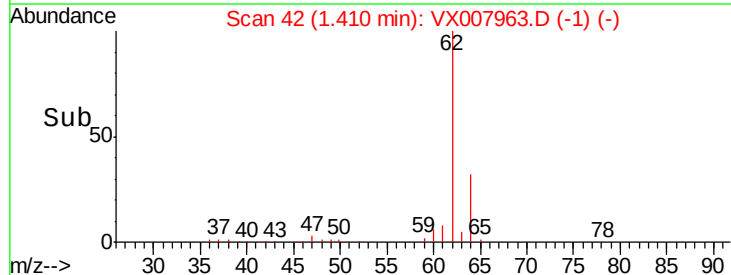
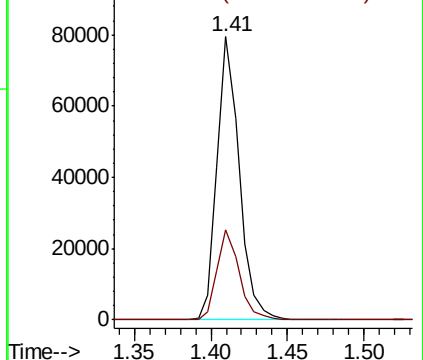
62 100

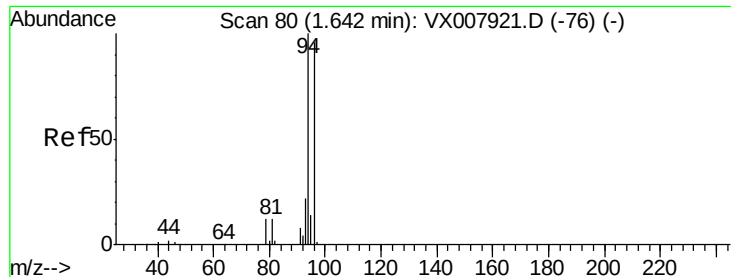
64 31.8 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 22.275 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

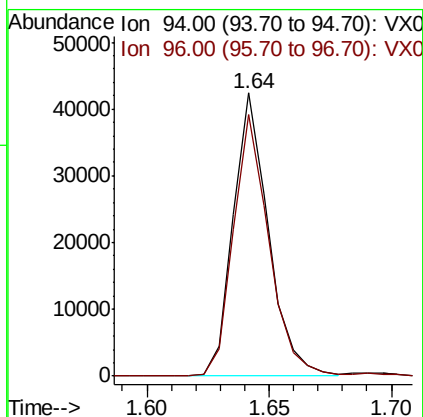
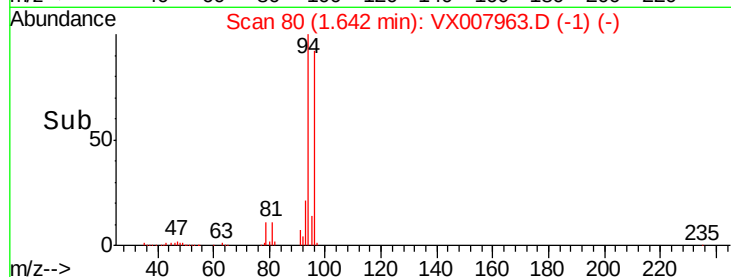
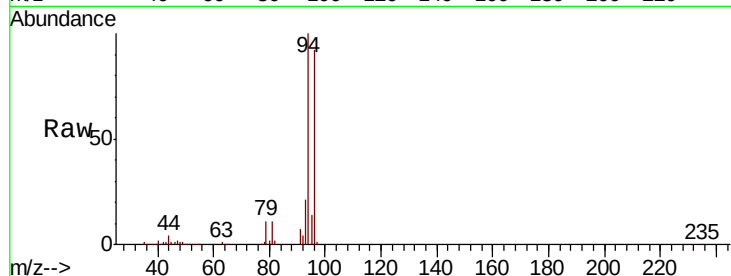
Tgt Ion: 94 Resp: 42189

Ion Ratio Lower Upper

94 100

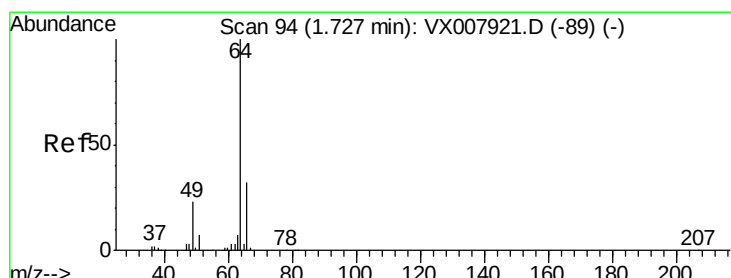
96 92.5 75.6 113.4

Manual Integrations
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3/12/2019 1:09:59 PM



#6

Chloroethane

Concen: 21.432 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007963.D

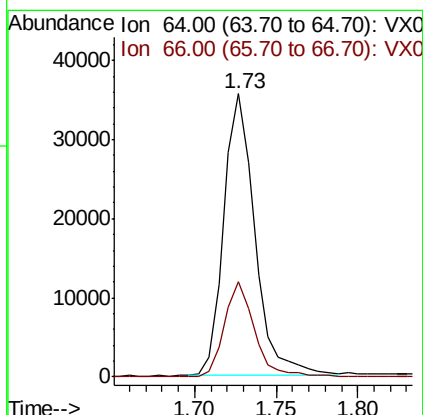
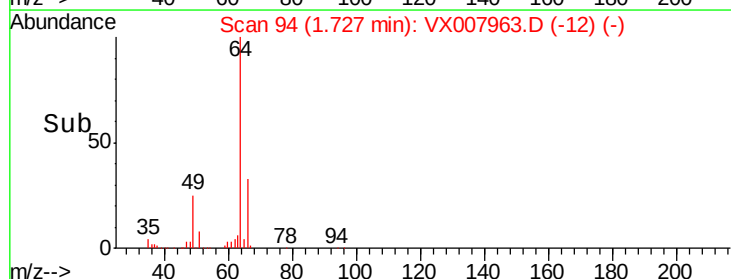
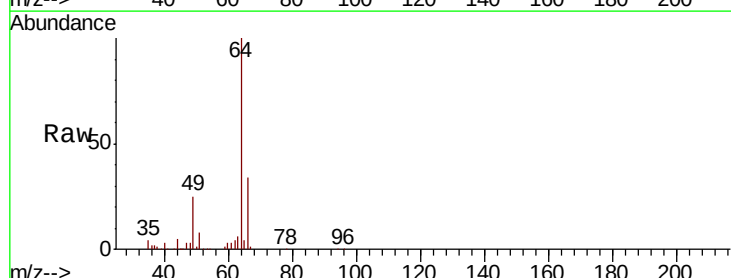
Acq: 11 Mar 2019 11:44

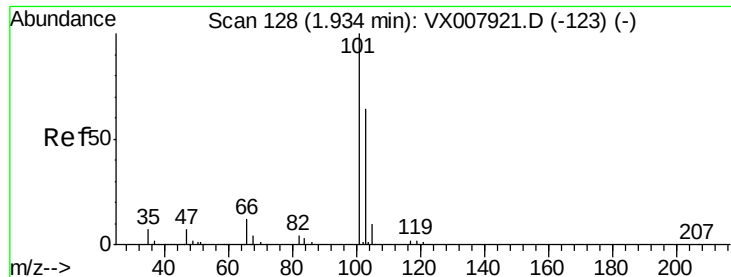
Tgt Ion: 64 Resp: 47551

Ion Ratio Lower Upper

64 100

66 33.5 23.9 35.9





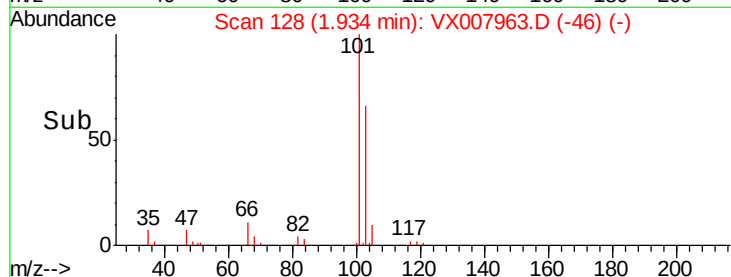
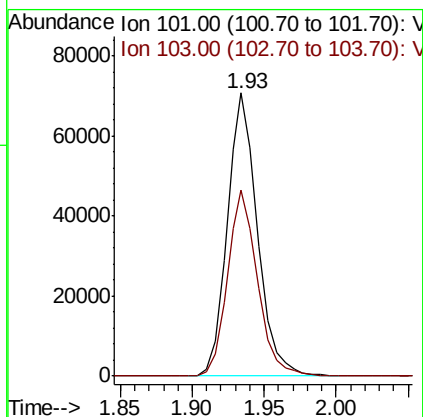
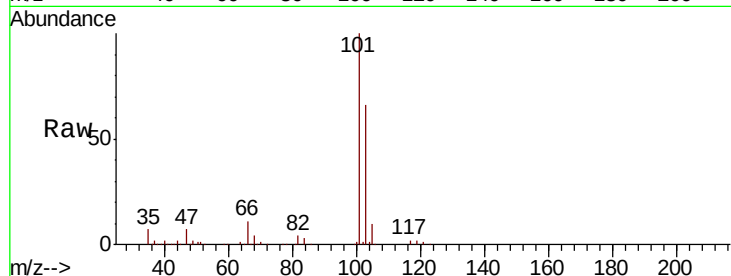
#7

Trichlorofluoromethane
Concen: 21.917 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

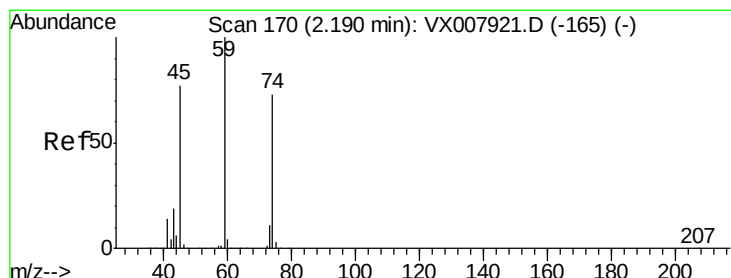
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.4	75.6

Manual Integrations
APPROVED



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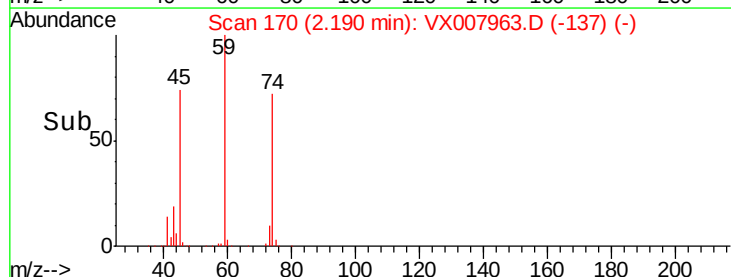
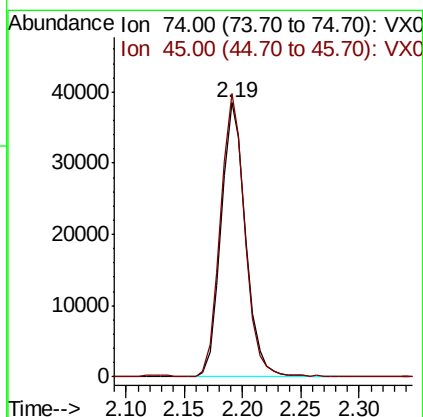
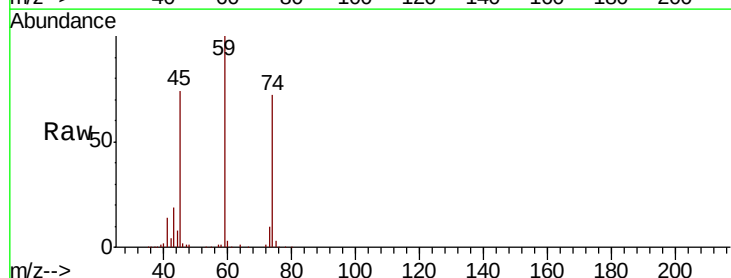
3/12/2019 1:09:59 PM

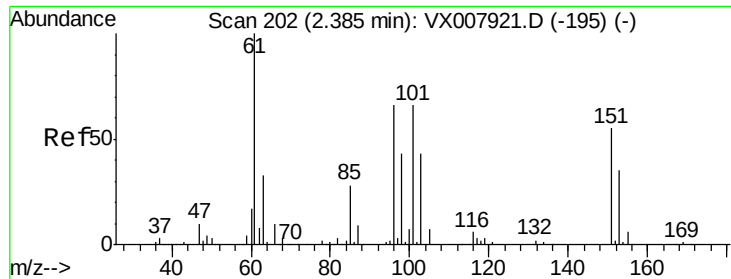


#8

Diethyl Ether
Concen: 22.880 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	18.6	167.8



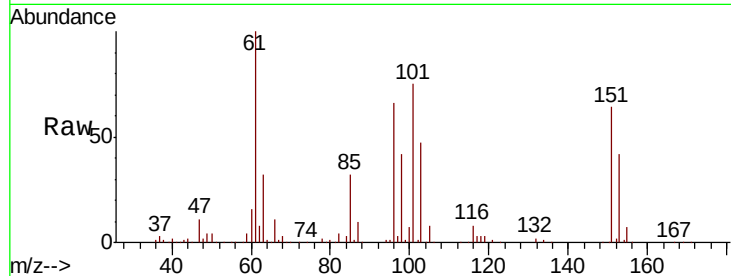


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.816 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	84707		
85	42.2	0.0	86.8	
151	87.4	0.0	169.2	

Manual Integrations
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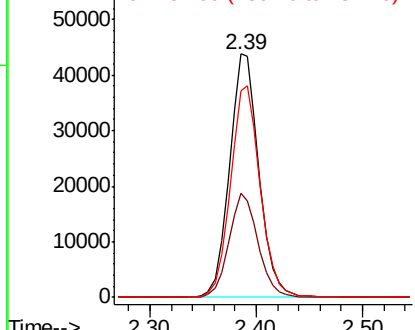


Abundance

Ion 101.00 (100.70 to 101.70): V

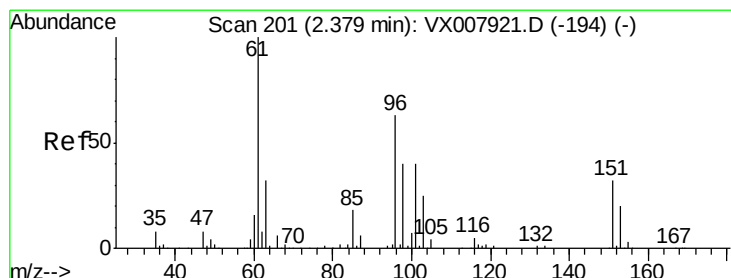
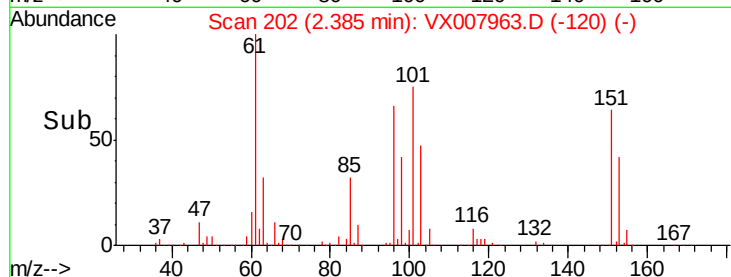
Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



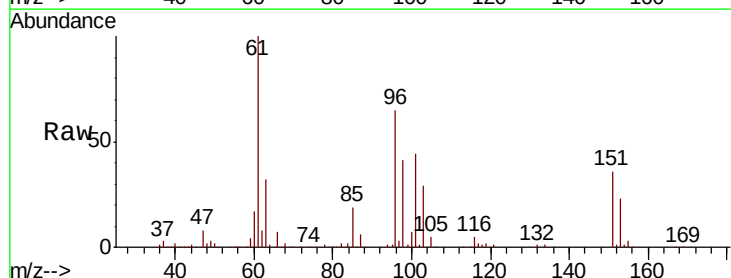
MMDadoda

3/12/2019 1:09:59 PM



#10
 1,1-Dichloroethene
 Concen: 23.699 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	79894		
61	153.7	120.2	180.2	
98	62.4	49.0	73.4	

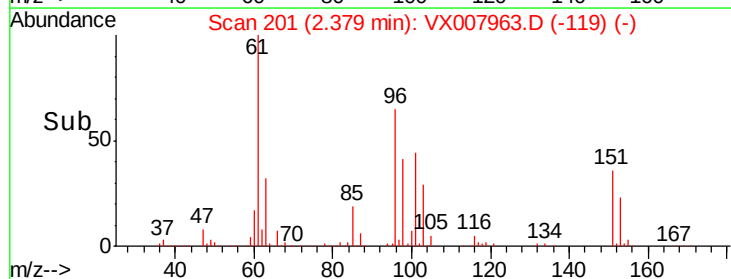
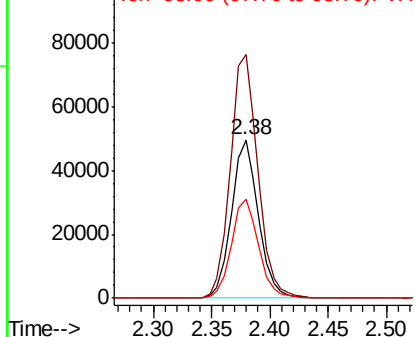


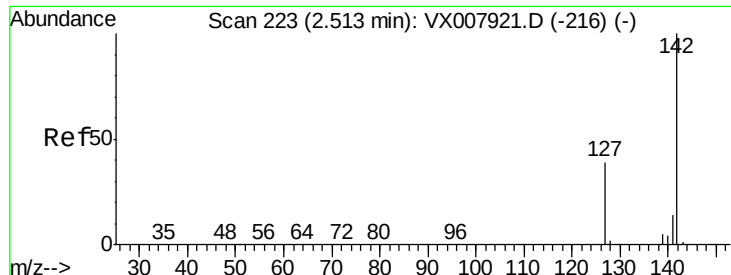
Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



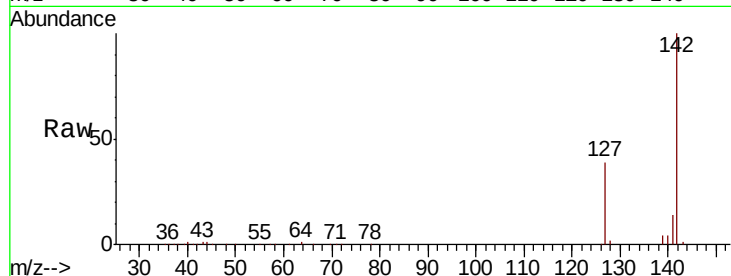


#11
Methyl Iodide
Concen: 23.991 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.5	22.1	66.5
141	13.7	7.4	22.3

Manual Integrations
APPROVED

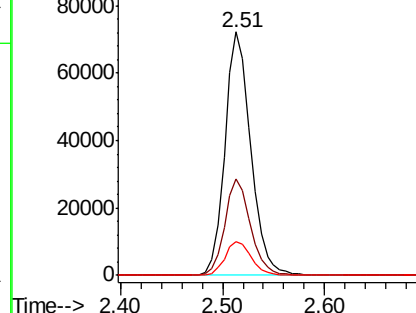
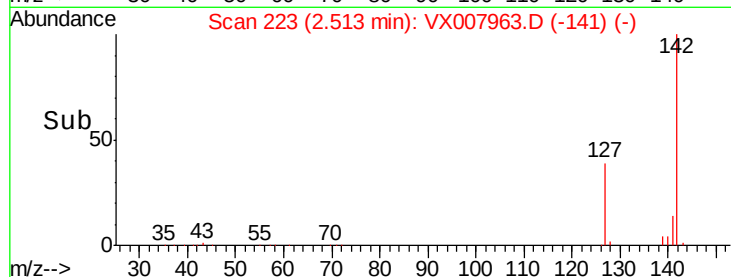


Abundance

Ion 142.00 (141.70 to 142.70): V

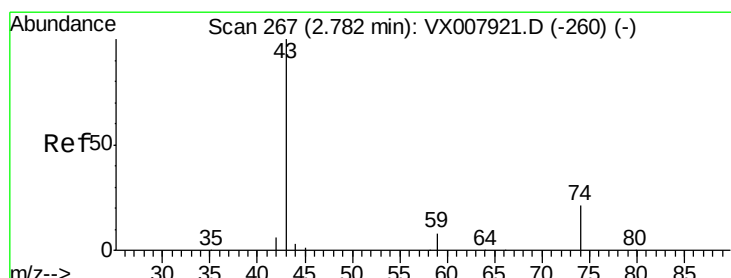
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



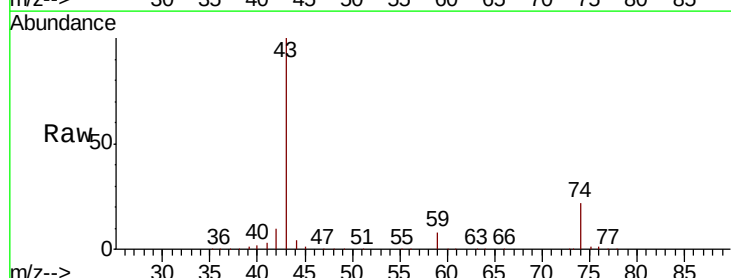
MMDadoda

3/12/2019 1:09:59 PM



#12
Methyl Acetate
Concen: 21.620 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

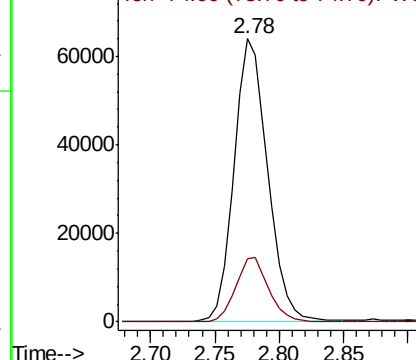
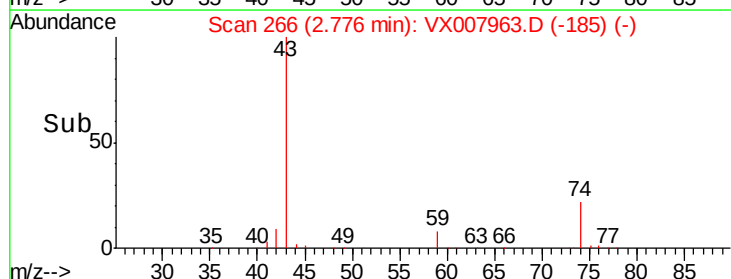
Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.4	29.0

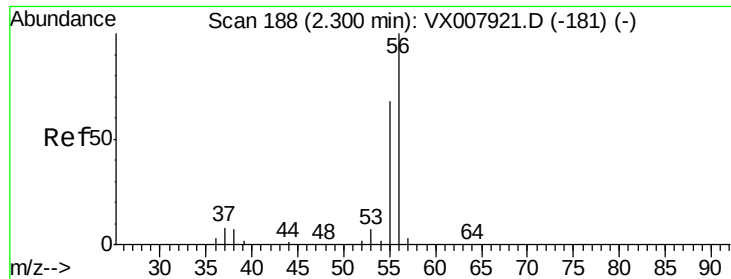


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



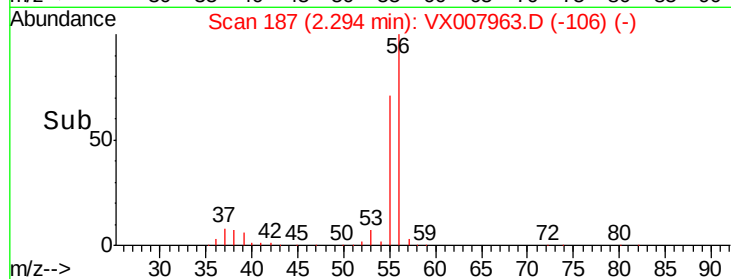
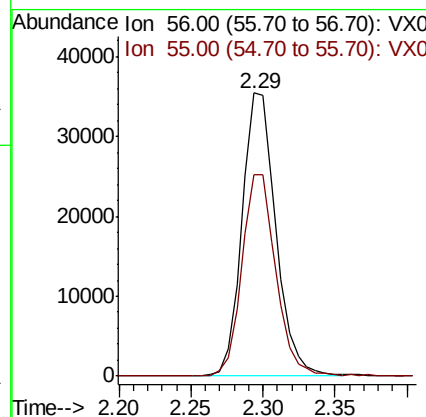
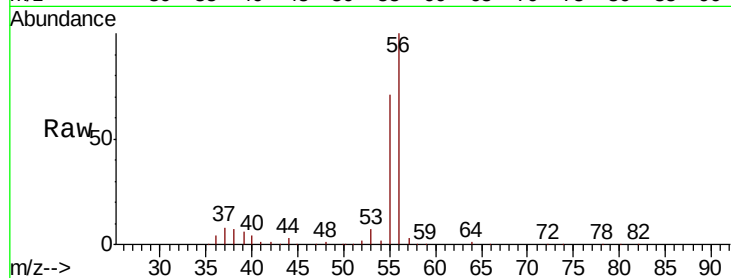


#13
Acrolein
Concen: 92.303 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

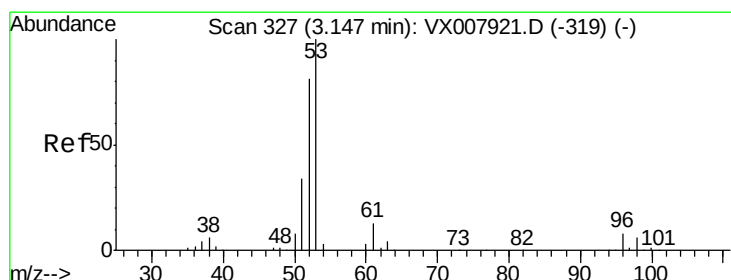
Tgt Ion: 56 Resp: 57736
Ion Ratio Lower Upper
56 100
55 71.7 58.6 87.8

Manual Integrations
APPROVED



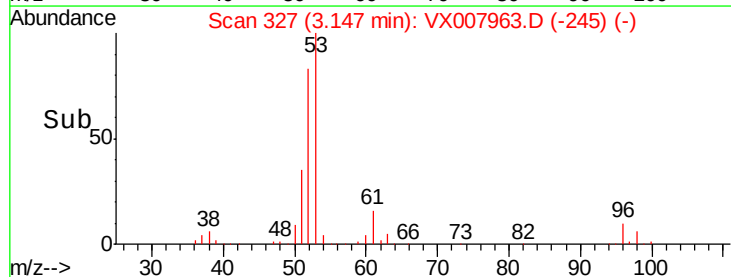
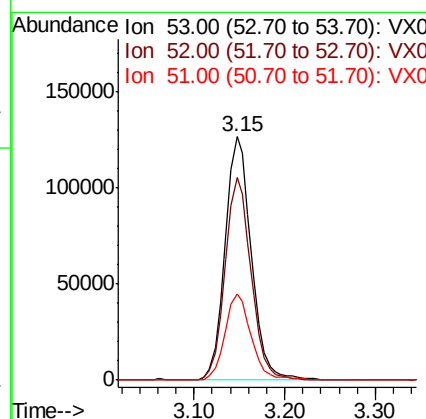
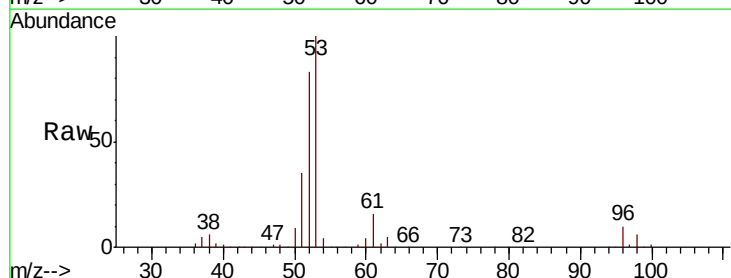
MMDadoda

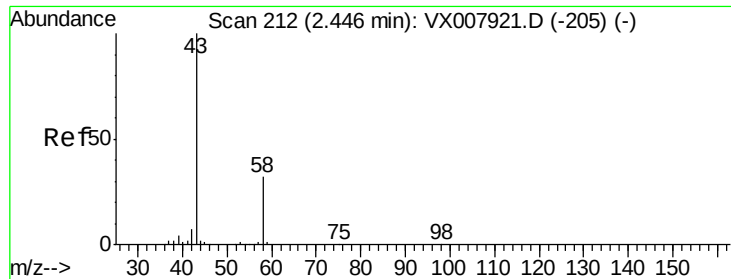
3/12/2019 1:09:59 PM



#14
Acrylonitrile
Concen: 112.704 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 53 Resp: 255082
Ion Ratio Lower Upper
53 100
52 82.2 41.3 124.1
51 35.4 17.5 52.6





#15

Acetone

Concen: 101.637 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

Tgt Ion: 58 Resp: 83051

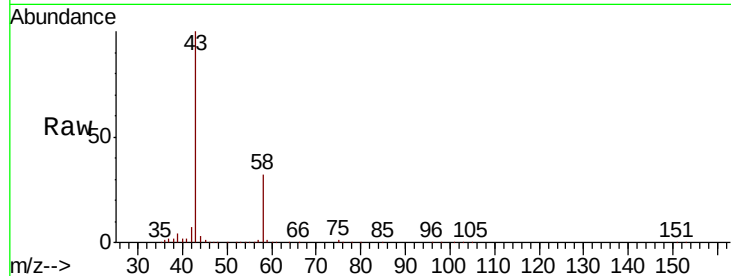
Ion Ratio Lower Upper

58 100

43 310.9 249.8 374.6

Manual Integrations

APPROVED



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

150000

100000

50000

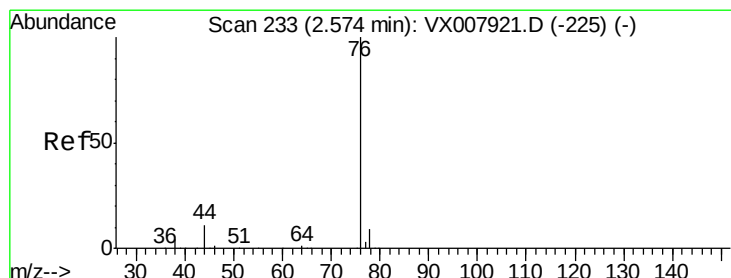
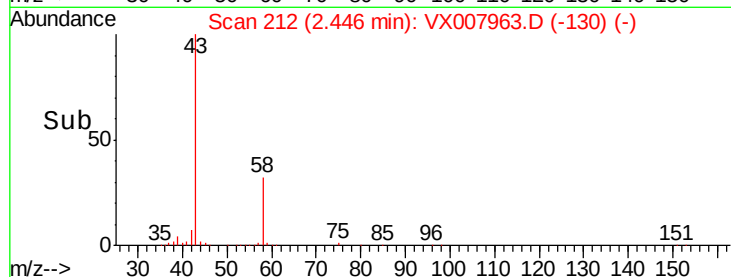
0

2.40 2.45 2.50

Time-->

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3/12/2019 1:09:59 PM



#16

Carbon Disulfide

Concen: 22.657 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007963.D

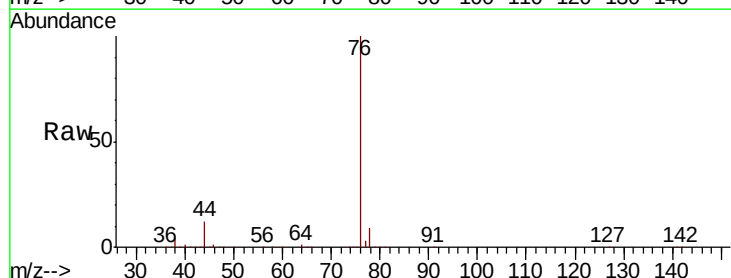
Acq: 11 Mar 2019 11:44

Tgt Ion: 76 Resp: 239638

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

150000

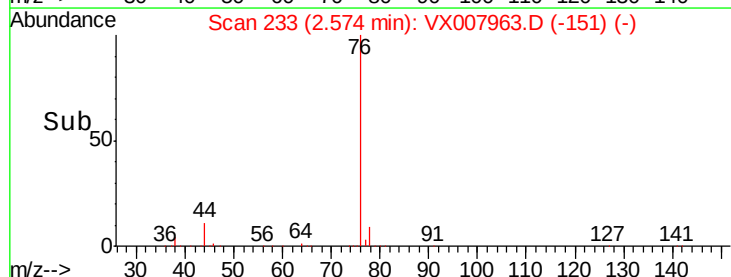
100000

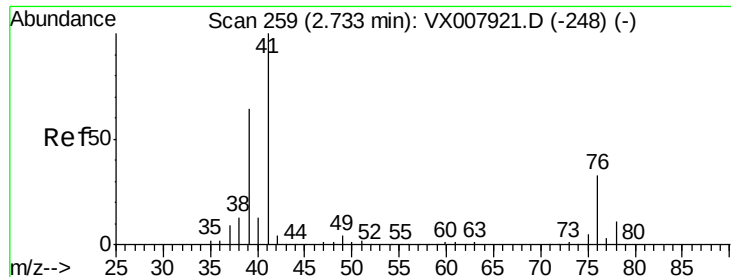
50000

0

2.50 2.60 2.70

Time-->



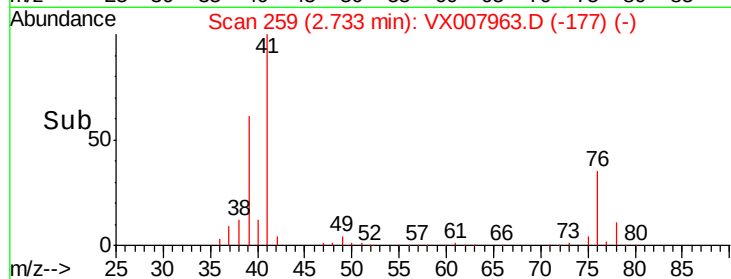
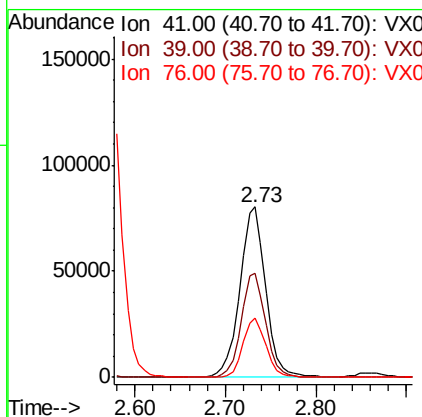
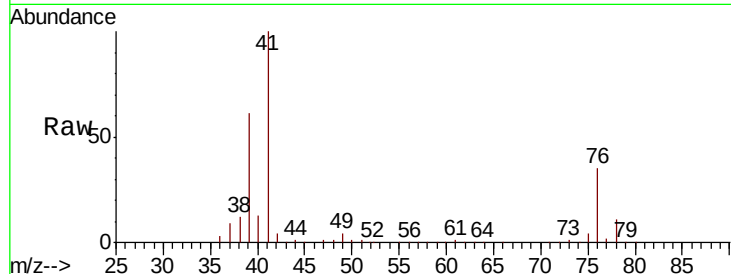


#17
 Allyl chloride
 Concen: 22.812 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

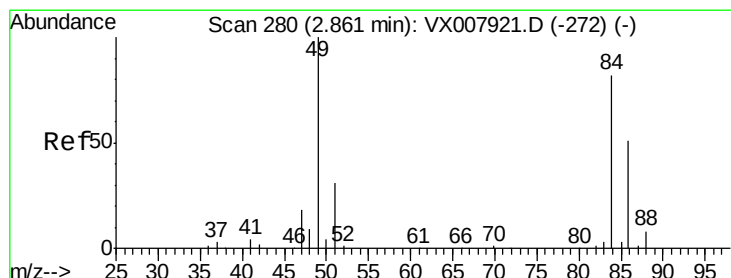
Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.3	35.8	107.4
76	34.4	18.3	54.9

Manual Integrations
 APPROVED



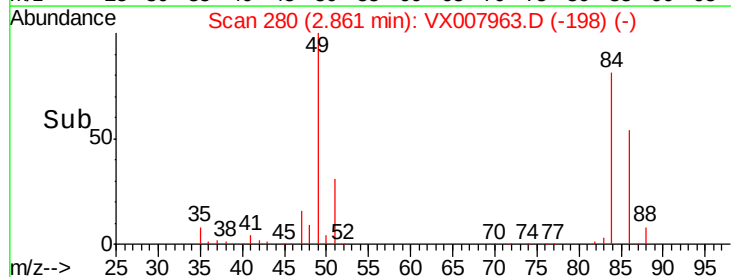
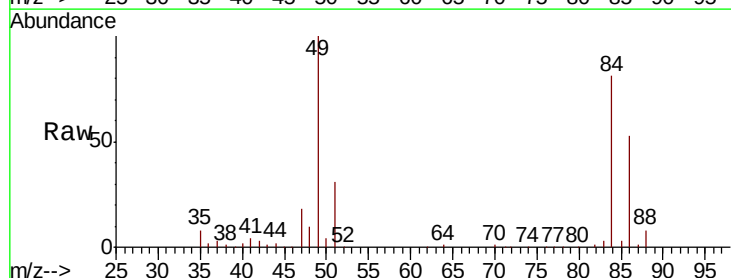
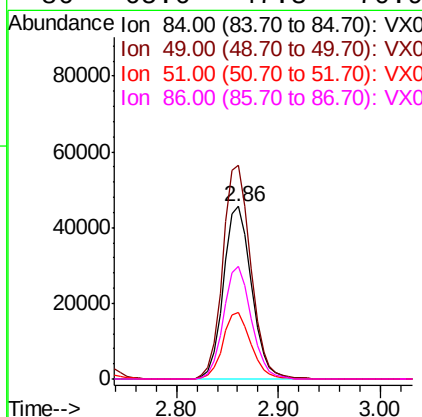
MMDadoda

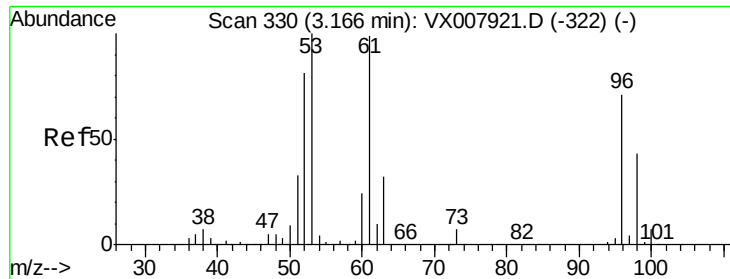
3/12/2019 1:09:59 PM



#18
 Methylene Chloride
 Concen: 22.721 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	96.1	144.1
51	38.2	29.1	43.7
86	65.6	47.3	70.9



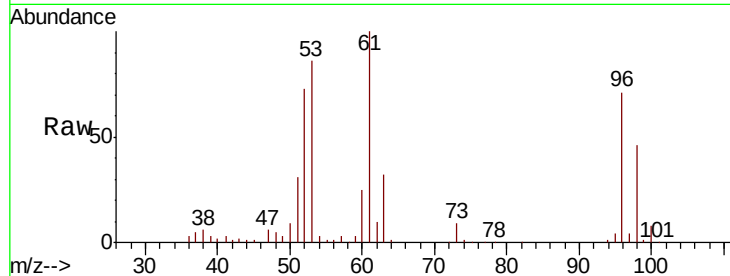


#19
trans-1,2-Dichloroethene
Concen: 23.354 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.5	109.9	164.9
98	64.9	50.4	75.6

Manual Integrations
APPROVED

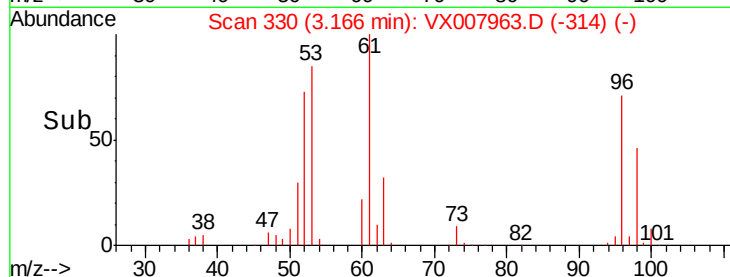
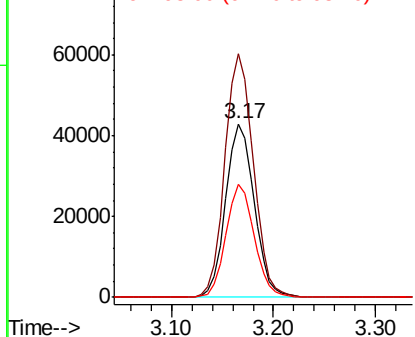


Abundance

Ion 96.00 (95.70 to 96.70): VX0

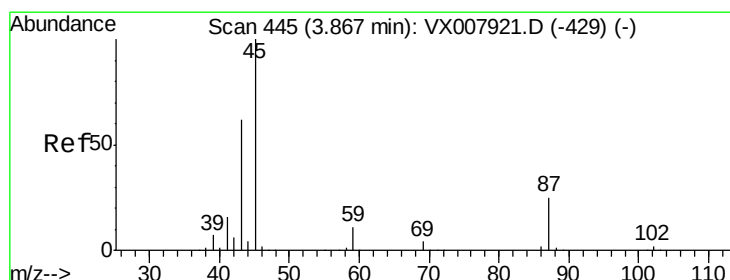
Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



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3/12/2019 1:09:59 PM



#20
Diisopropyl ether
Concen: 22.777 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	50.6	76.0
87	26.7	24.5	36.7
59	11.8	10.2	15.2

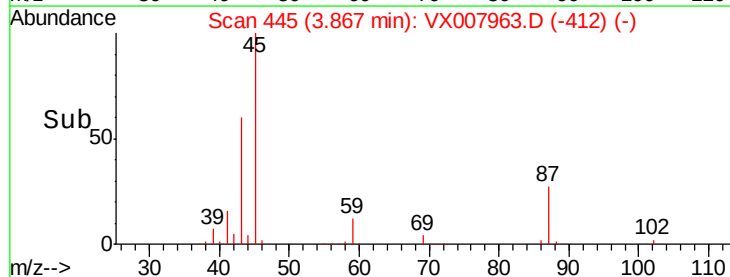
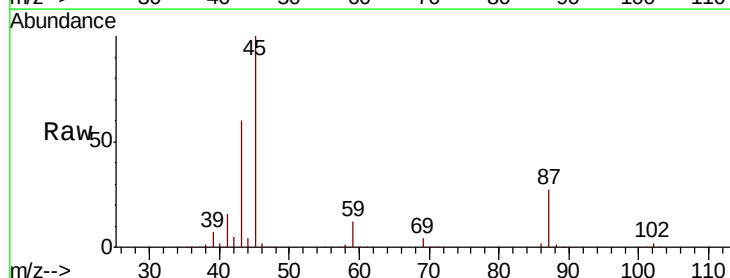
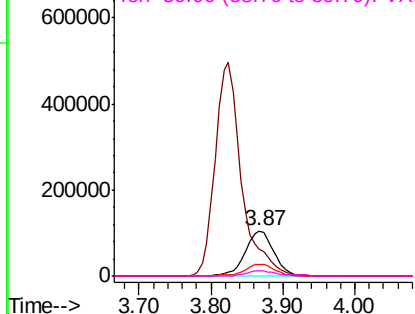
Abundance

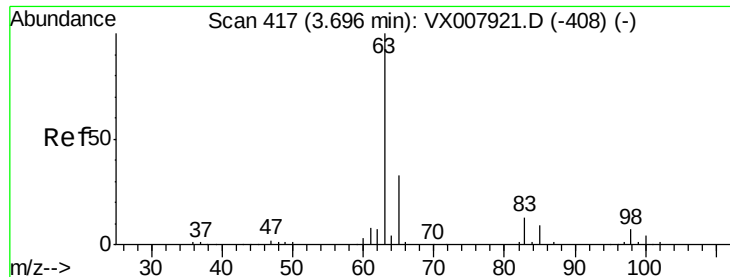
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



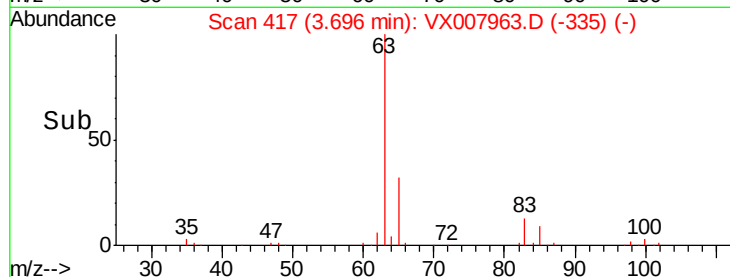
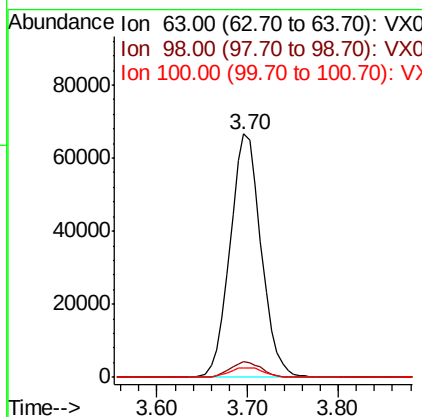
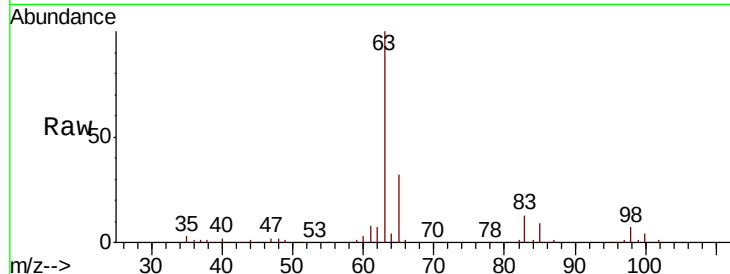


#21
1,1-Dichloroethane
Concen: 23.025 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

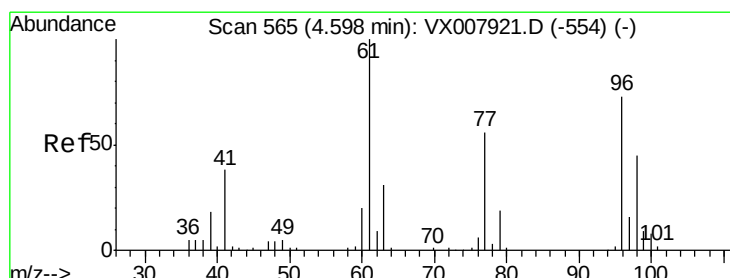
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	158335		
98	6.7		3.8	11.4
100	3.9		2.4	7.1

Manual Integrations
APPROVED



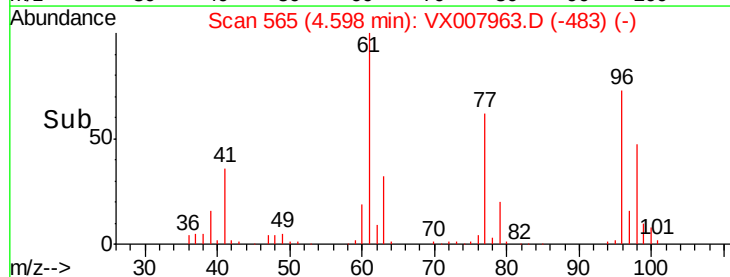
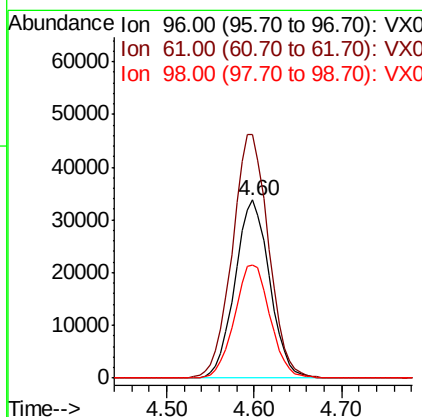
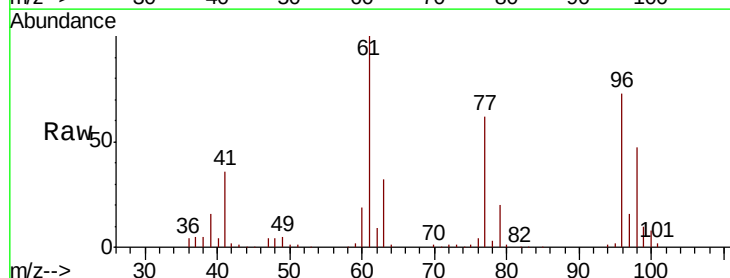
MMDadoda

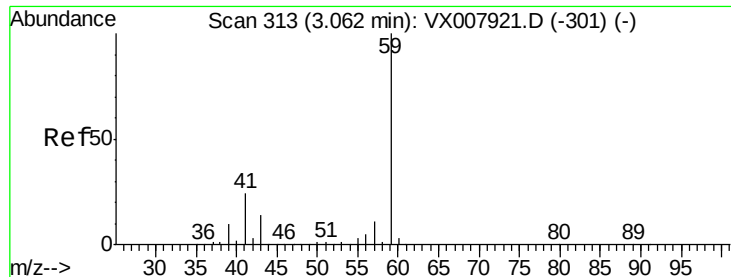
3/12/2019 1:09:59 PM



#22
cis-1,2-Dichloroethene
Concen: 22.682 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	93326		
61	143.2		103.5	155.3
98	65.0		52.1	78.1



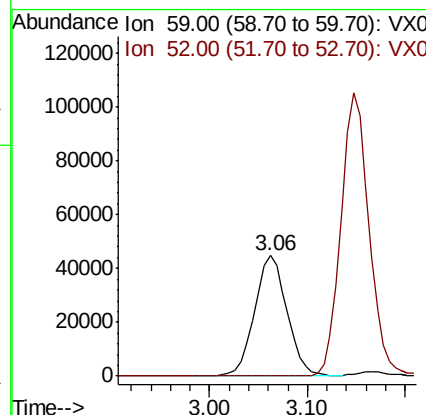
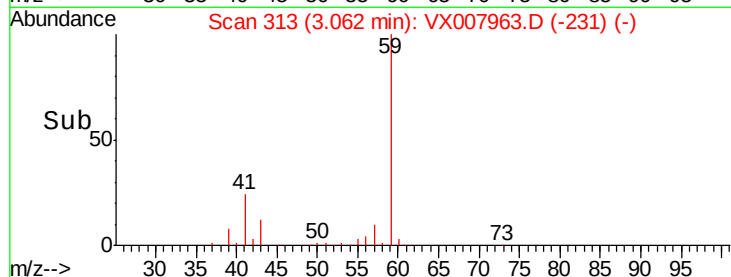
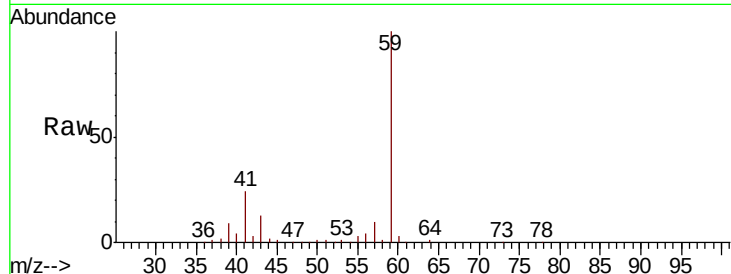


#23
tert-Butyl Alcohol
Concen: 113.119 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

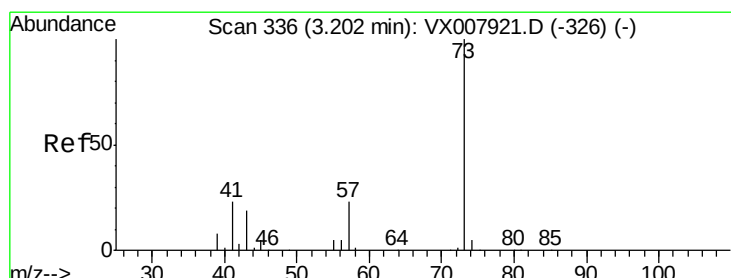
Tgt Ion: 59 Resp: 103286
Ion Ratio Lower Upper
59 100
52 0.1 0.2 0.2#

Manual Integrations
APPROVED



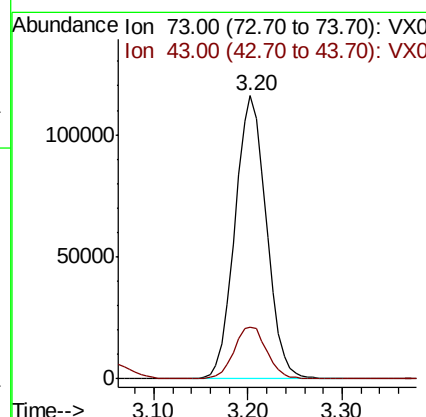
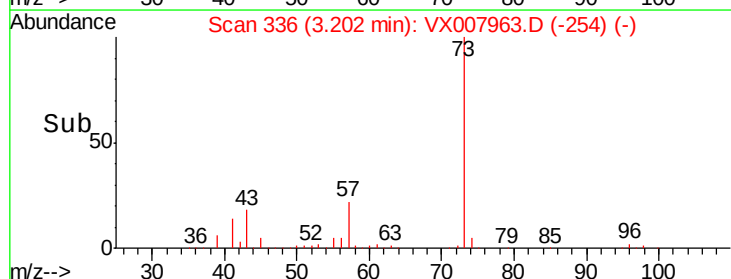
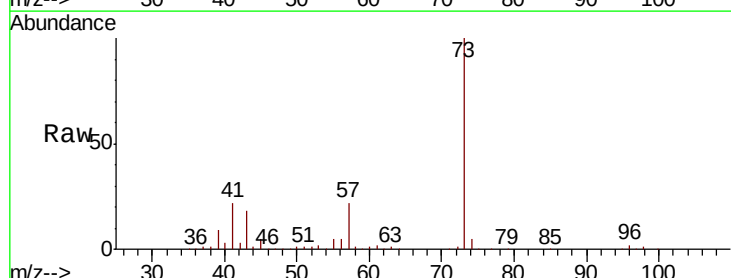
MMDadoda

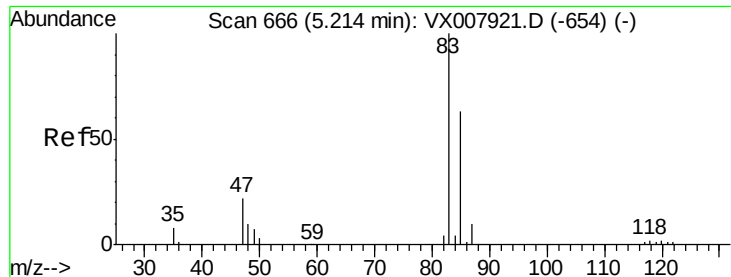
3/12/2019 1:09:59 PM



#24
Methyl tert-Butyl Ether
Concen: 23.252 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 73 Resp: 269509
Ion Ratio Lower Upper
73 100
43 18.9 17.1 25.7



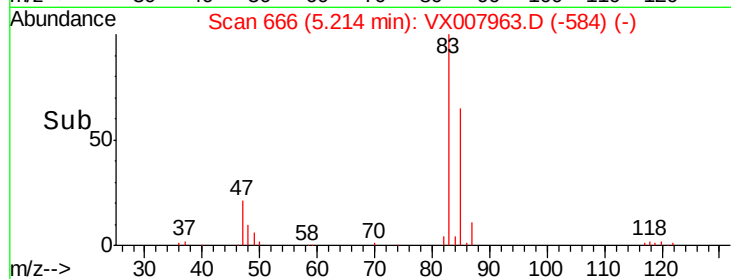
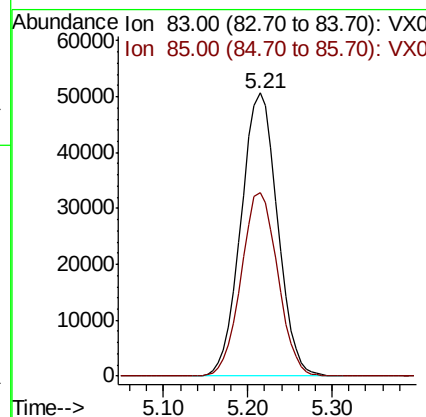
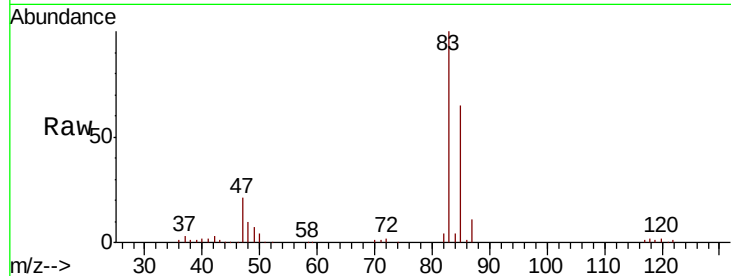


#25
Chloroform
Concen: 22.915 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

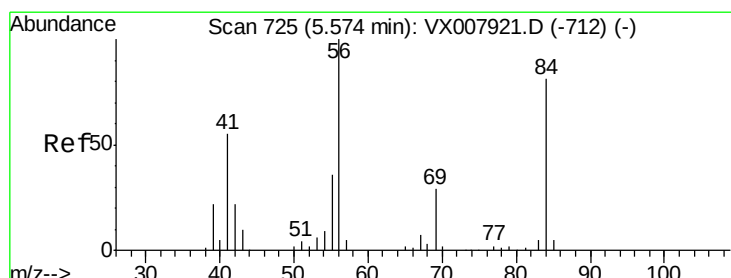
Tgt Ion: 83 Resp: 148732
Ion Ratio Lower Upper
83 100
85 64.8 53.8 80.6

Manual Integrations
APPROVED



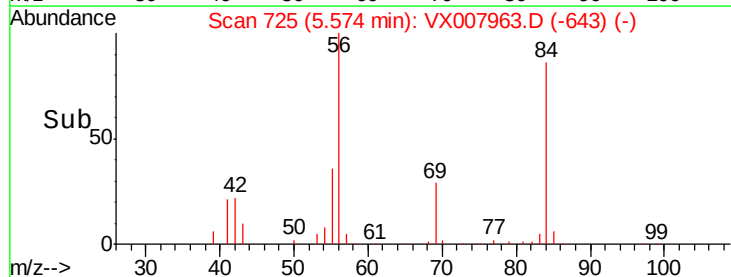
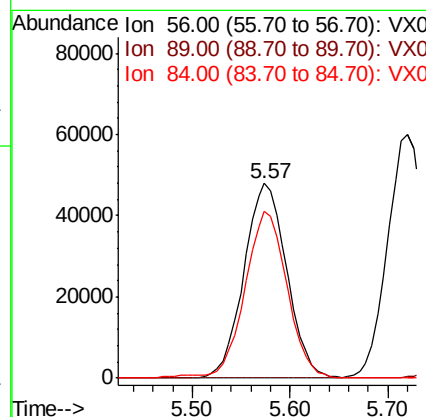
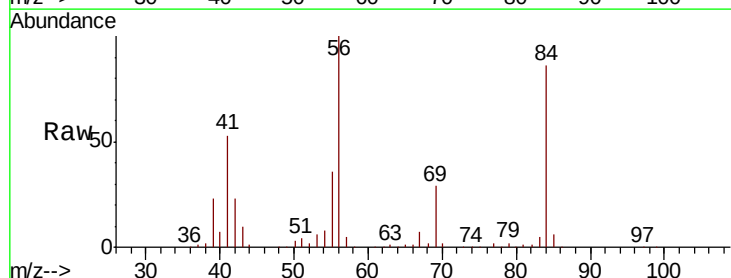
MMDadoda

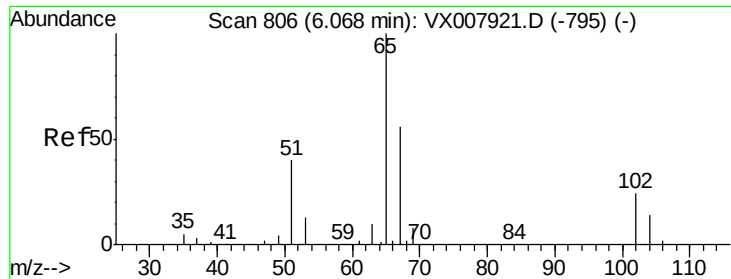
3/12/2019 1:09:59 PM



#26
Cyclohexane
Concen: 22.930 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 56 Resp: 145709
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 83.7 73.9 110.9



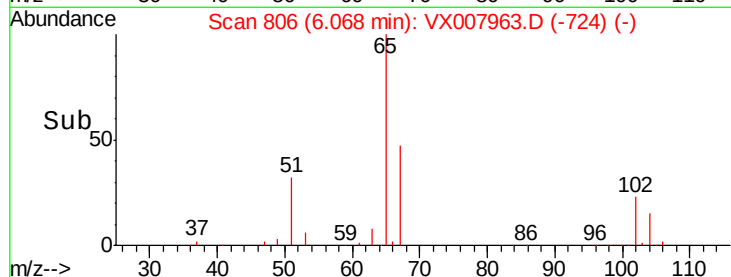
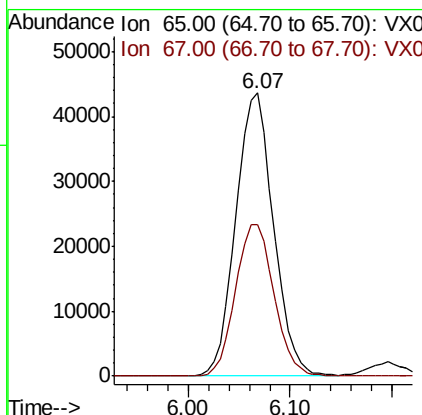
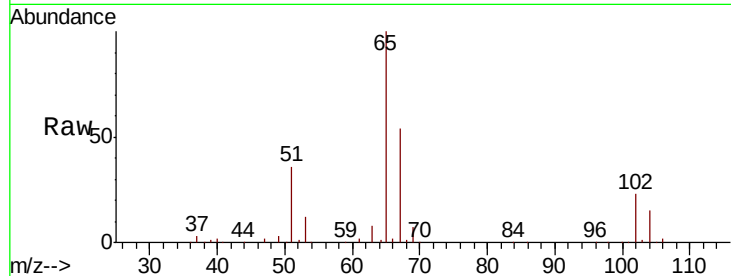


#27
 1,2-Dichloroethane-d4
 Concen: 29.338 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

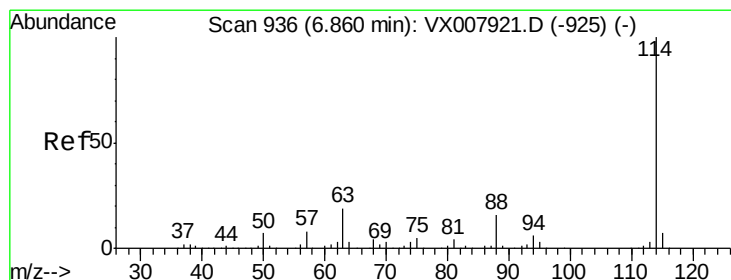
Tgt Ion: 65 Resp: 112031
 Ion Ratio Lower Upper
 65 100
 67 54.8 42.9 64.3

Manual Integrations
 APPROVED



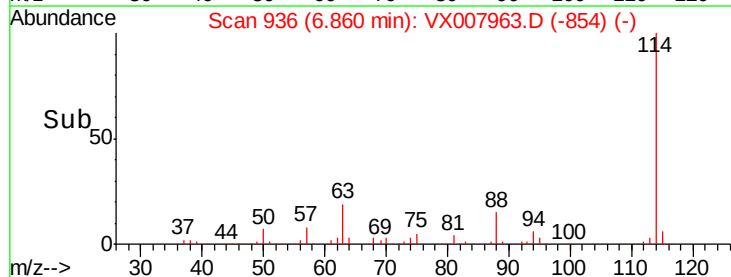
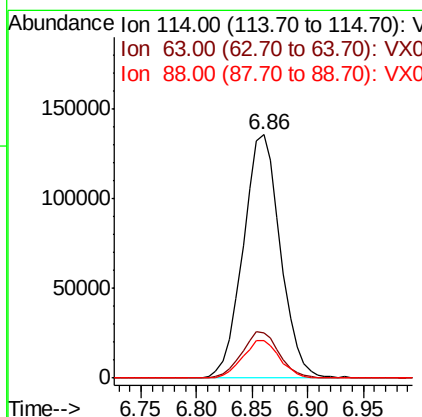
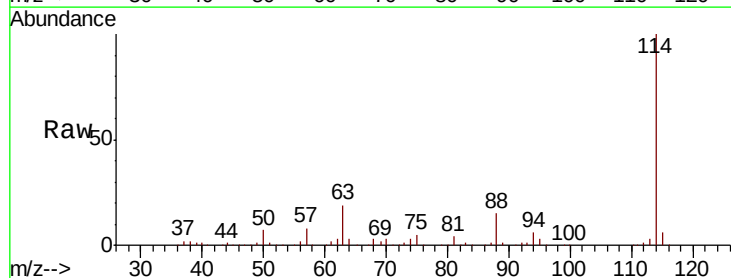
MMDadoda

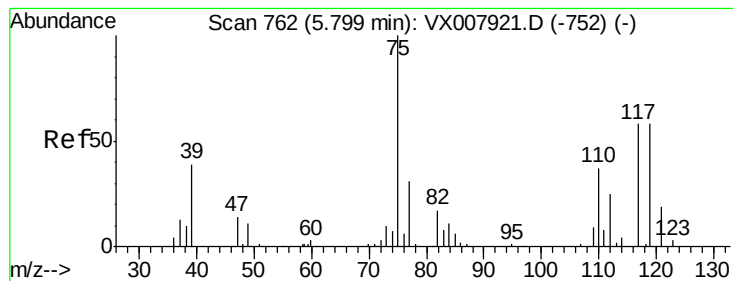
3/12/2019 1:09:59 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 114 Resp: 314888
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.2 21.4
 88 15.4 11.9 17.9





#29

1,1-Dichloropropene

Concen: 23.108 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

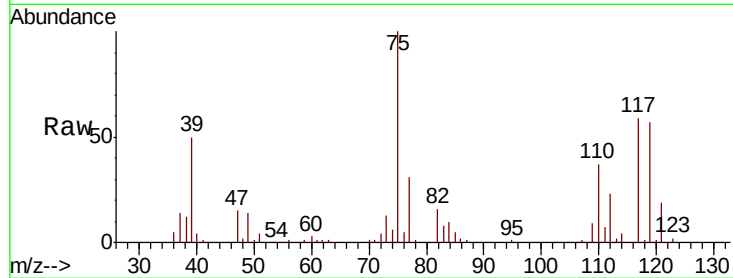
MSVOA_X

ClientSampled :

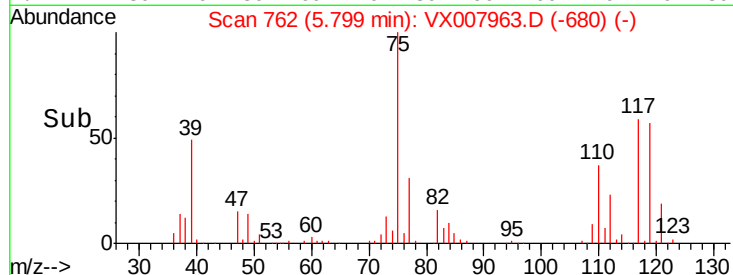
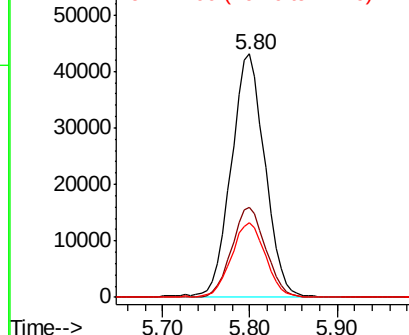
VX0311WBS01

Tgt Ion:	75	Resp:	115373
Ion Ratio	Lower	Upper	
75	100		
110	37.3	0.0	80.8
77	31.0	0.0	62.4

Manual Integrations
APPROVED

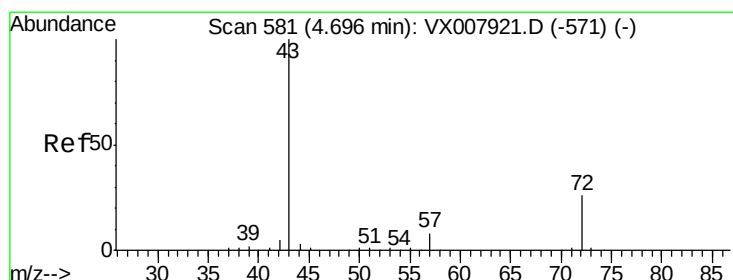


Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VX0



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3/12/2019 1:09:59 PM



#30

2-Butanone

Concen: 107.982 ug/l

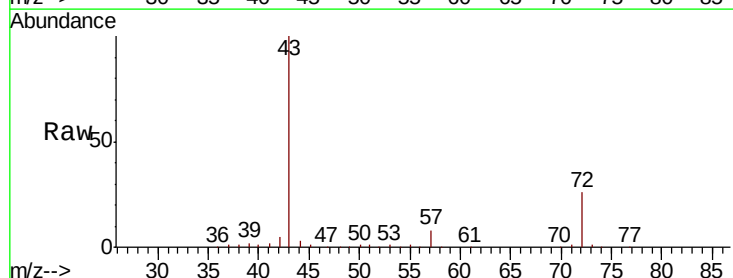
RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

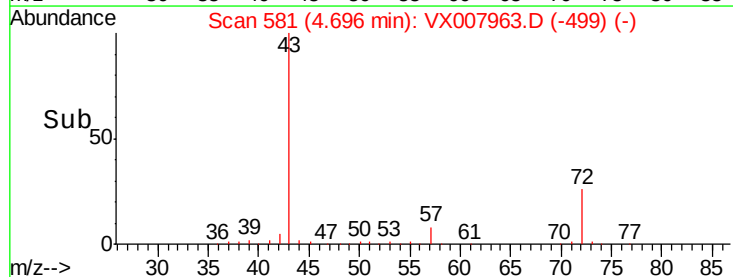
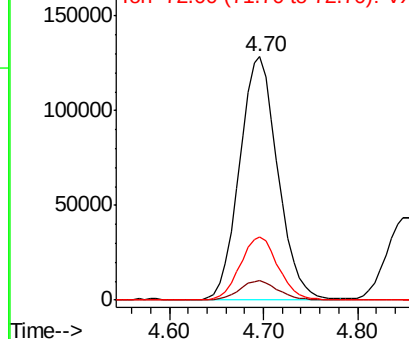
Lab File: VX007963.D

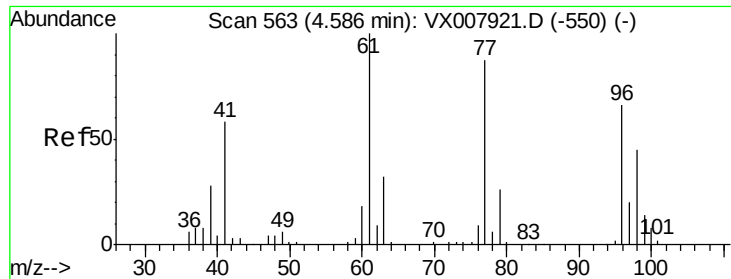
Acq: 11 Mar 2019 11:44

Tgt Ion:	43	Resp:	363625
Ion Ratio	Lower	Upper	
43	100		
57	8.0	7.0	10.6
72	26.0	21.5	32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



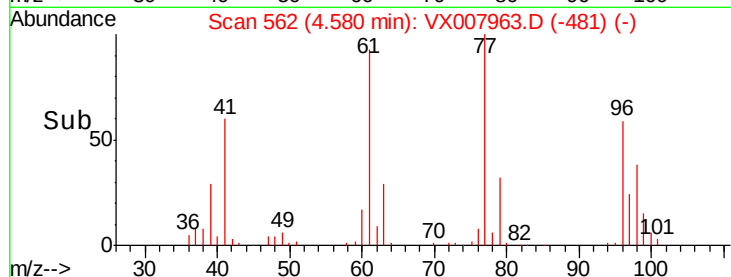
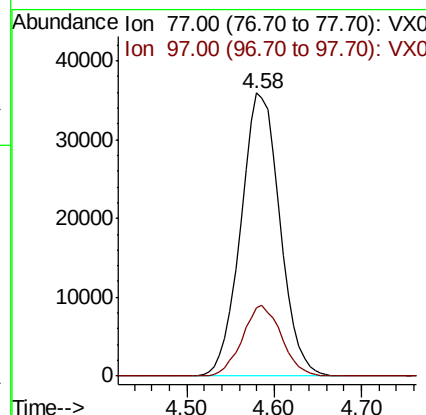
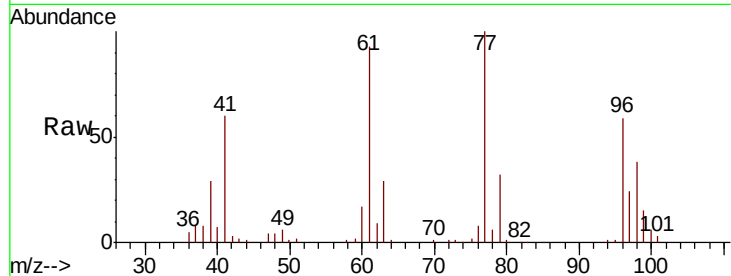


#31
 2,2-Dichloropropane
 Concen: 24.230 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

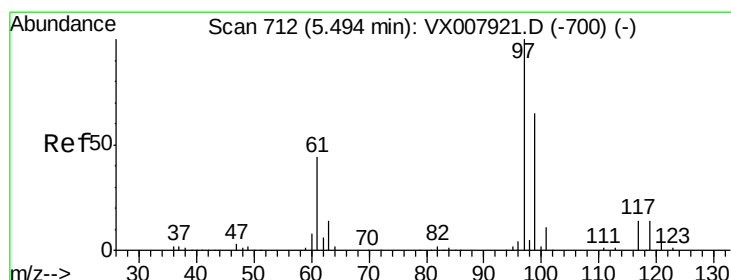
Tgt Ion: 77 Resp: 111737
 Ion Ratio Lower Upper
 77 100
 97 24.8 20.6 31.0

Manual Integrations
 APPROVED



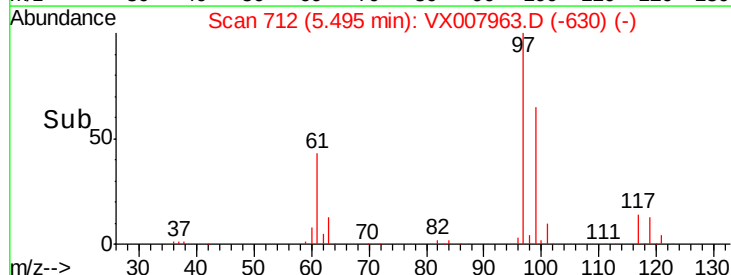
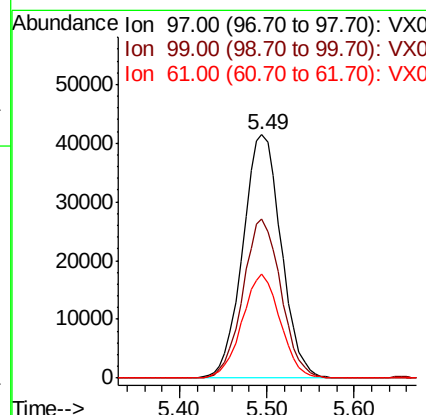
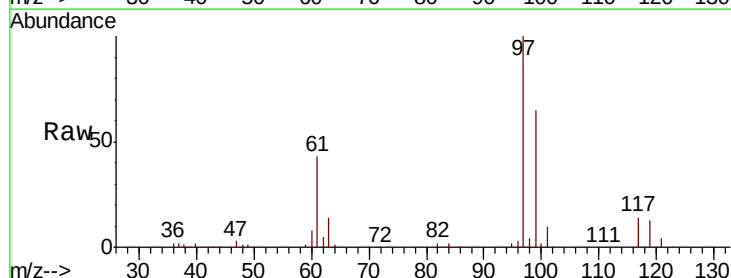
MMDadoda

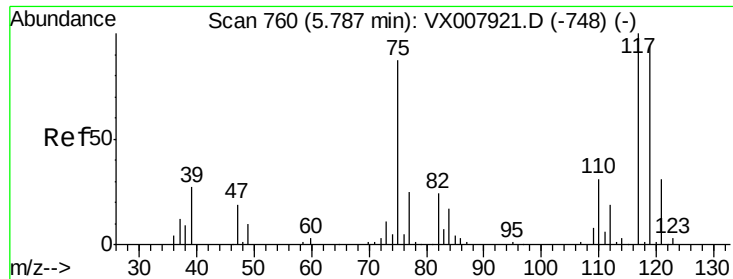
3/12/2019 1:09:59 PM



#32
 1,1,1-Trichloroethane
 Concen: 23.421 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 97 Resp: 126448
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.7 77.5
 61 42.4 32.8 49.2



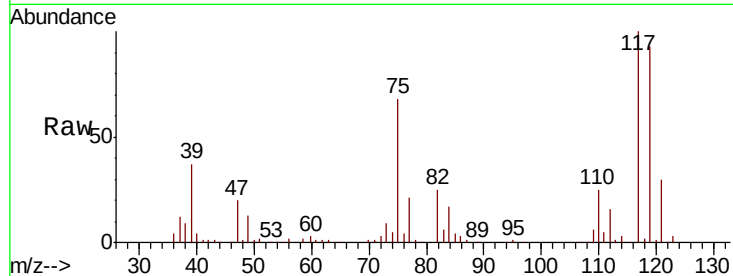


#33
Carbon Tetrachloride
Concen: 23.631 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	78.1	117.1
121	30.0	27.0	40.6

Manual Integrations
APPROVED

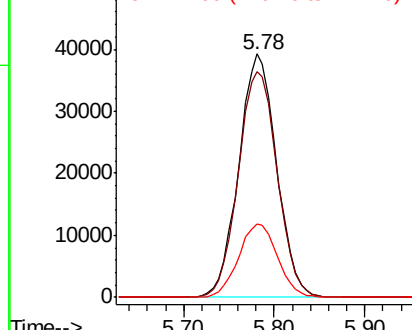


Abundance

Ion 117.00 (116.70 to 117.70): V

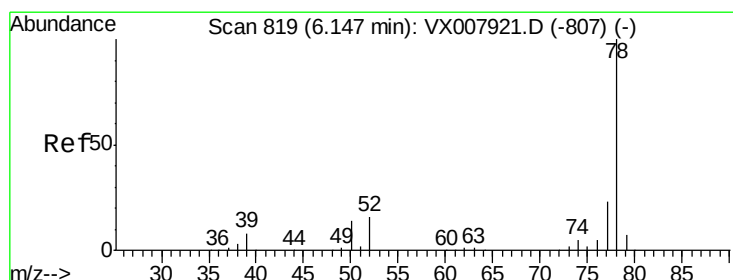
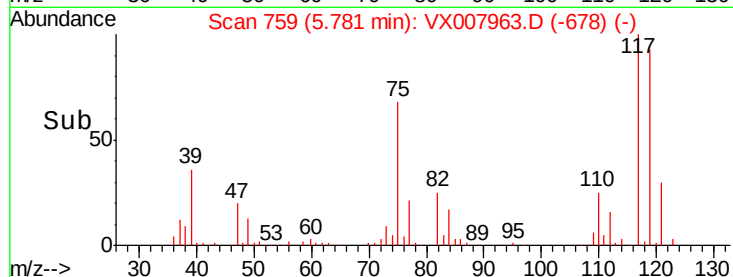
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



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3/12/2019 1:09:59 PM



#34
Benzene
Concen: 22.799 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

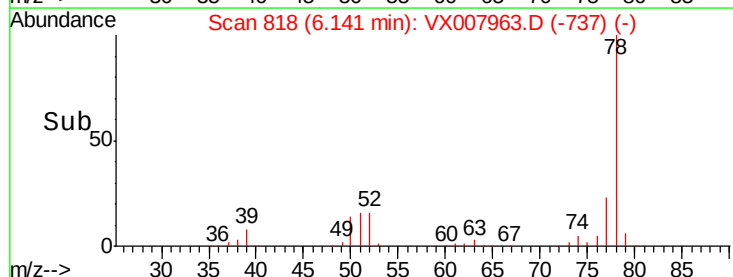
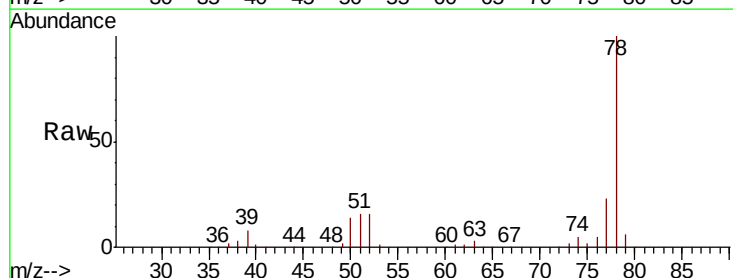
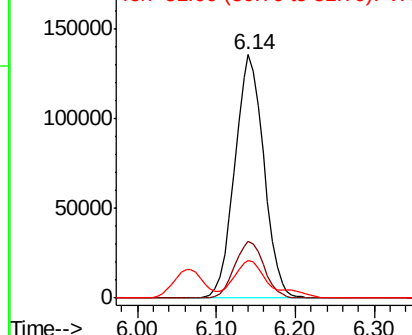
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
51	15.5	10.8	16.2

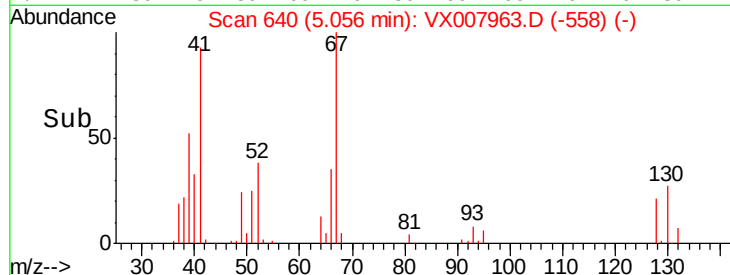
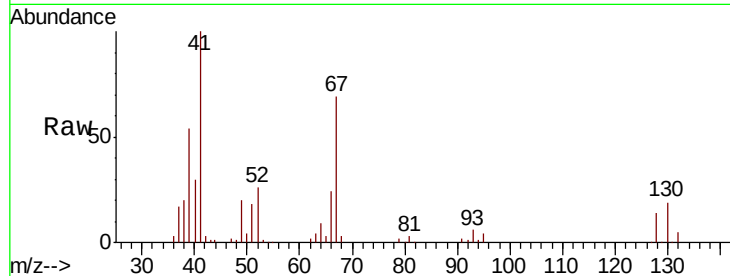
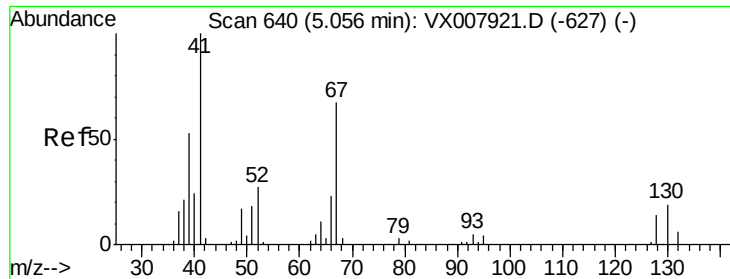
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

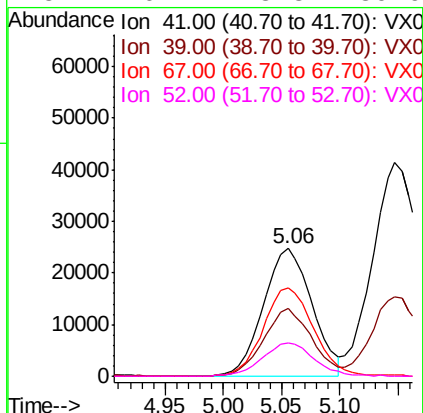
Ion 51.00 (50.70 to 51.70): VX0





#35
Methacrylonitrile
Concen: 21.964 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	27.4	82.0	
67	69.0	37.9	113.6	
52	26.1	13.3	39.9	

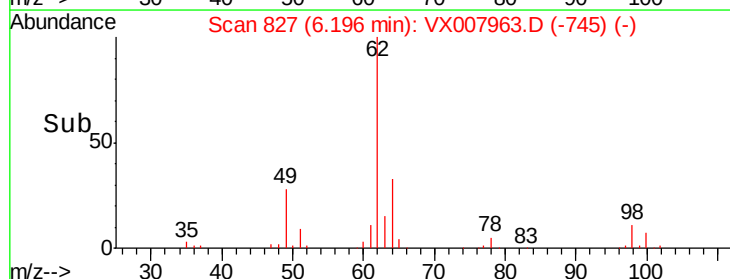
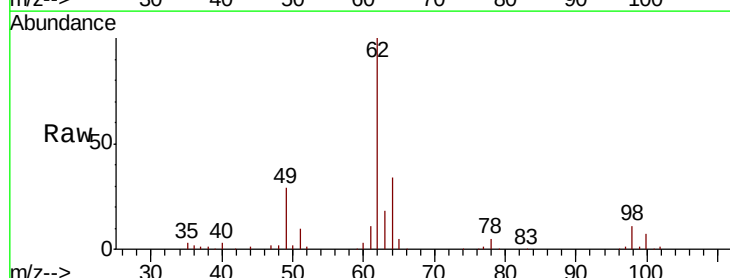
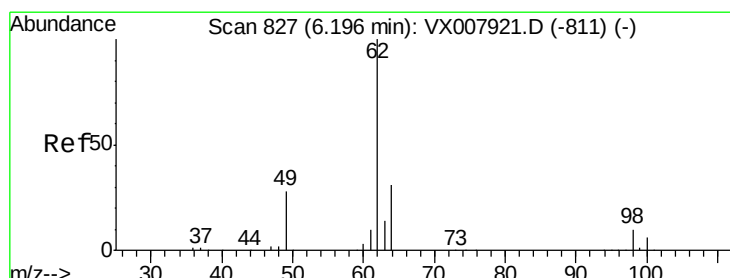


Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

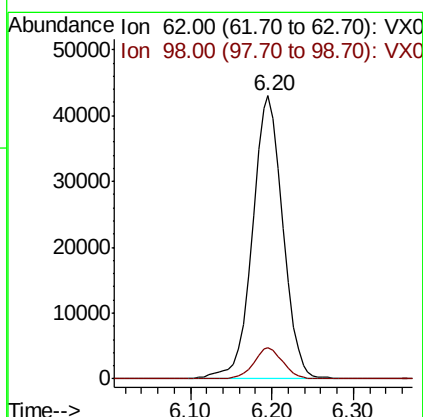
MMDadoda

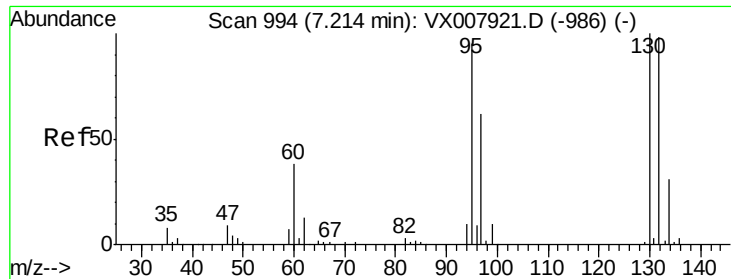
3/12/2019 1:09:59 PM



#36
1,2-Dichloroethane
Concen: 22.498 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	7.8	11.8	



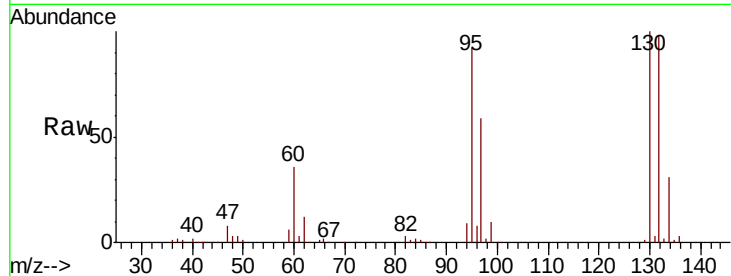


#37
 Trichloroethene
 Concen: 23.407 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

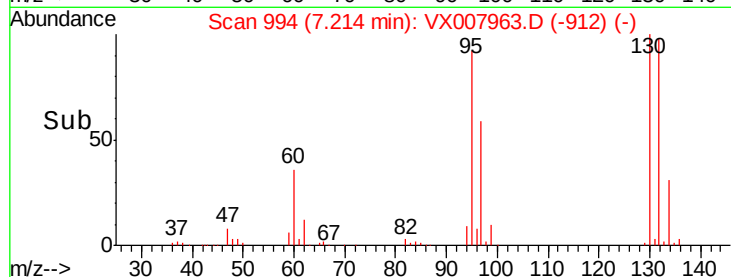
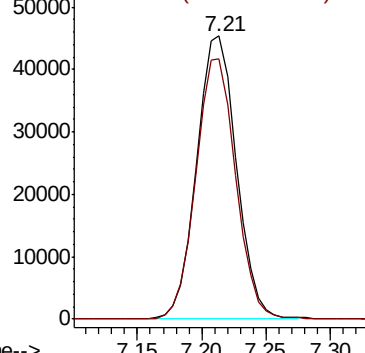
Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

Tgt Ion:130 Resp: 97036
 Ion Ratio Lower Upper
 130 100
 95 92.0 71.3 106.9

Manual Integrations
 APPROVED

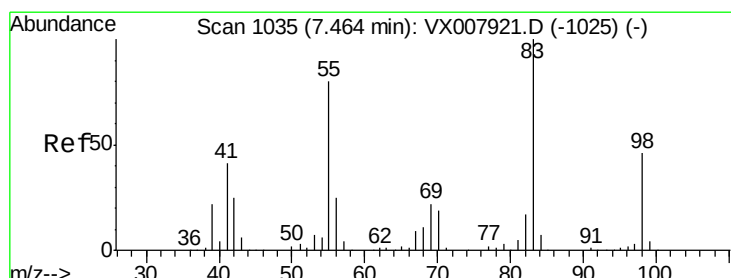


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0



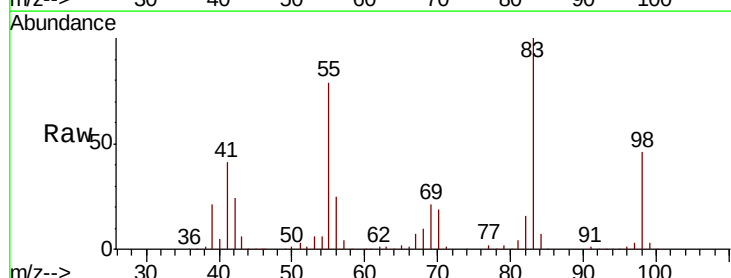
MMDadoda

3/12/2019 1:09:59 PM

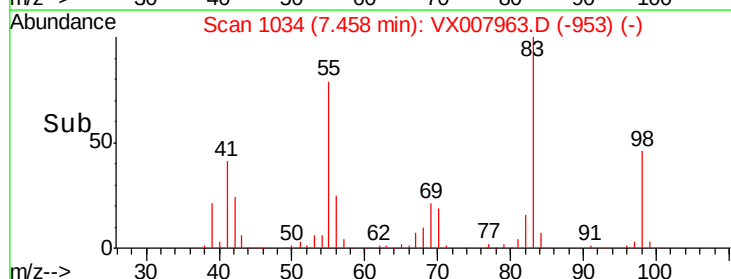
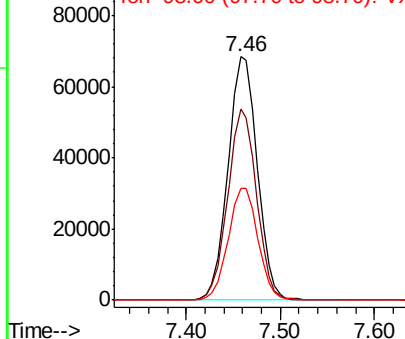


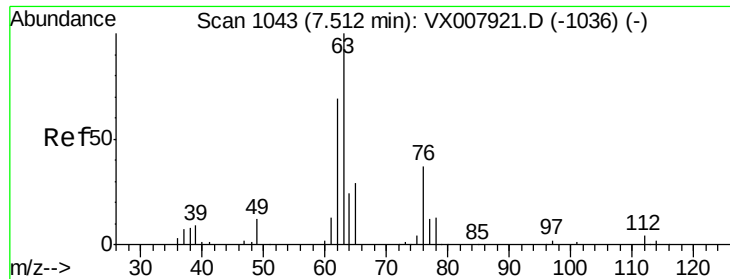
#38
 Methylcyclohexane
 Concen: 23.319 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 83 Resp: 148026
 Ion Ratio Lower Upper
 83 100
 55 76.9 36.0 108.0
 98 46.7 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0



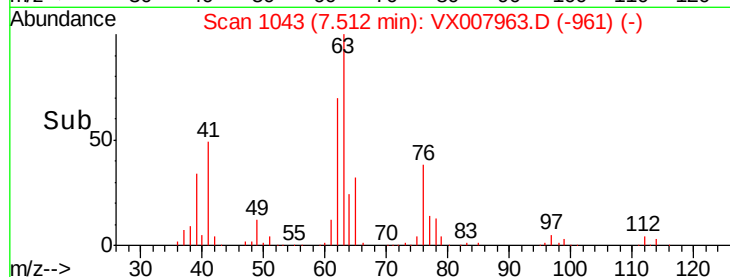
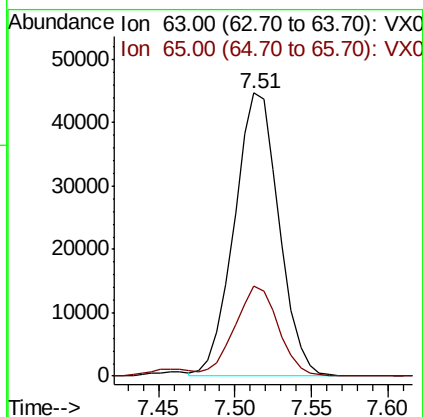
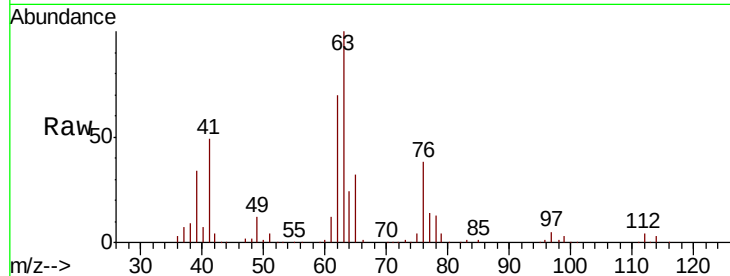


#39
 1,2-Dichloropropane
 Concen: 22.774 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

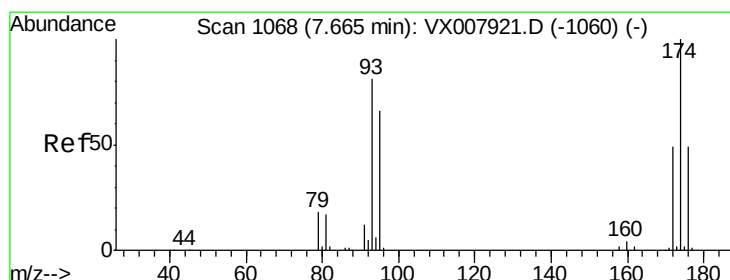
Tgt Ion: 63 Resp: 90877
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.6 37.0

Manual Integrations
 APPROVED



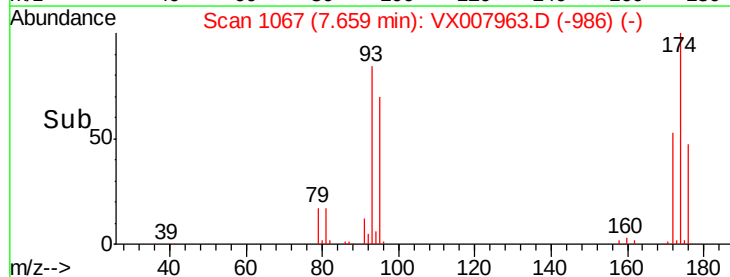
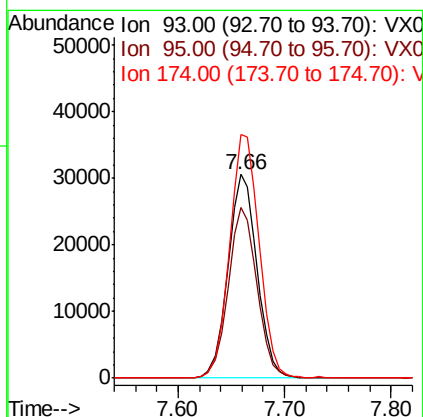
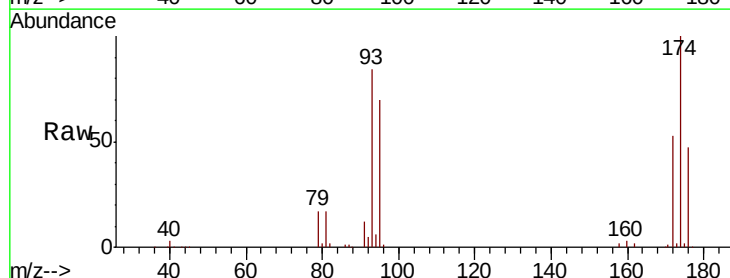
MMDadoda

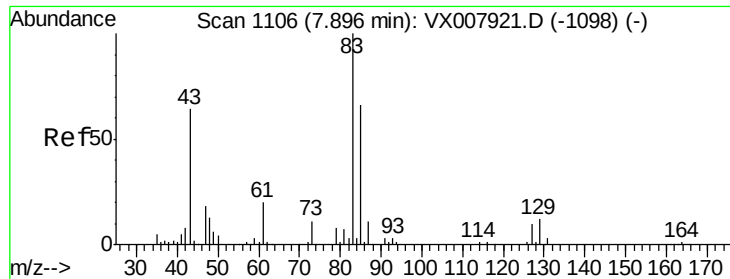
3/12/2019 1:09:59 PM



#40
 Dibromomethane
 Concen: 23.082 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 93 Resp: 58423
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 158.8
 174 121.7 0.0 224.2





#41

Bromodichloromethane

Concen: 23.061 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

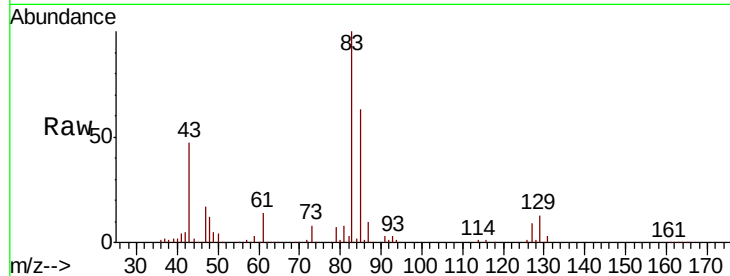
MSVOA_X

ClientSampled :

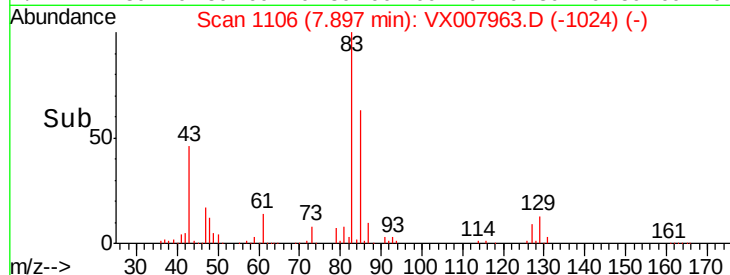
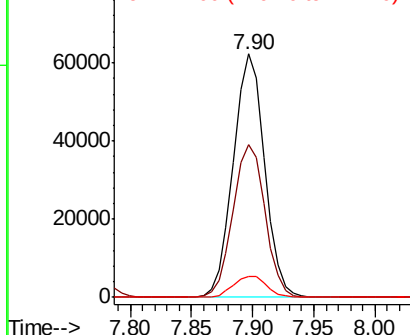
VX0311WBS01

Tgt Ion:	83	Resp:	110328
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7
127	8.7	7.2	10.8

Manual Integrations
APPROVED

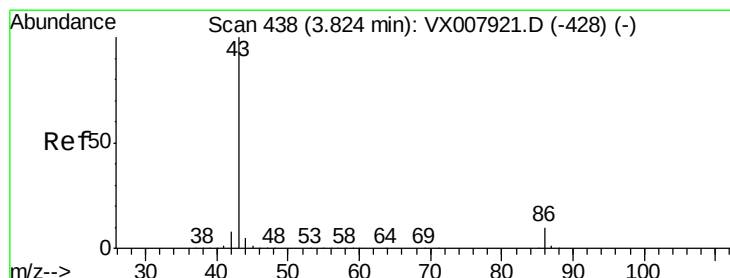


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



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3/12/2019 1:09:59 PM



#42

Vinyl Acetate

Concen: 116.122 ug/l

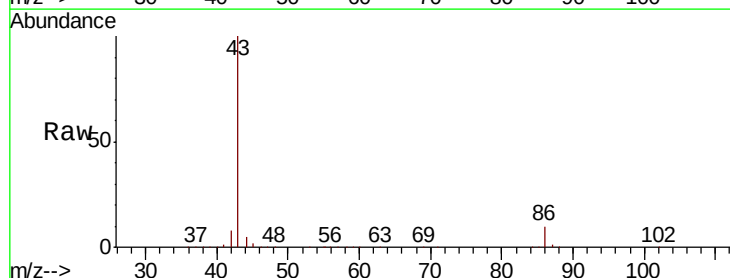
RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

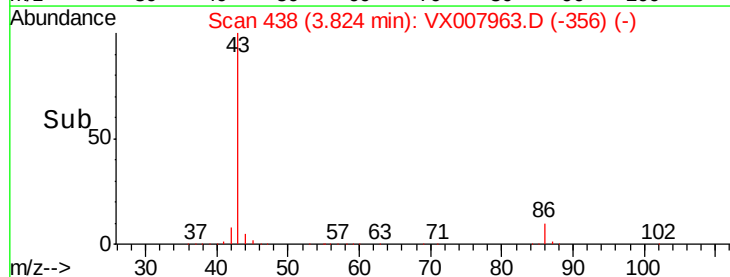
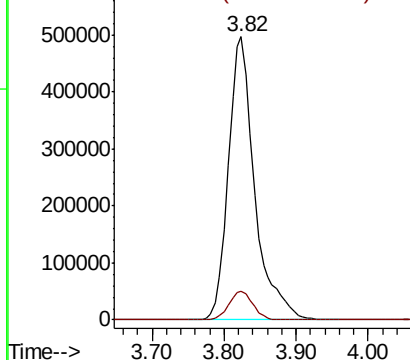
Lab File: VX007963.D

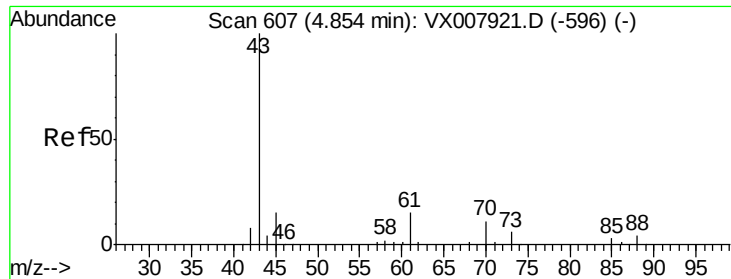
Acq: 11 Mar 2019 11:44

Tgt Ion:	43	Resp:	1265796
Ion	Ratio	Lower	Upper
43	100		
86	9.2	8.2	12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



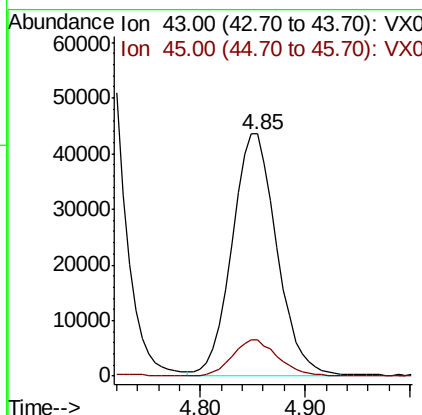
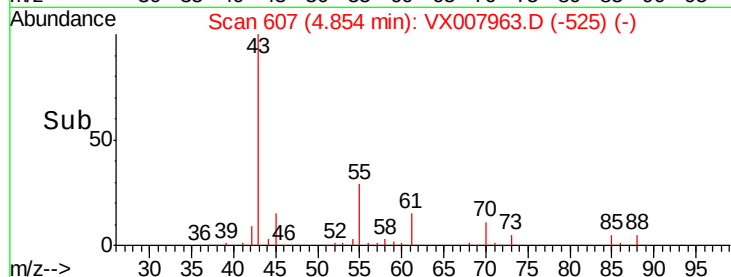
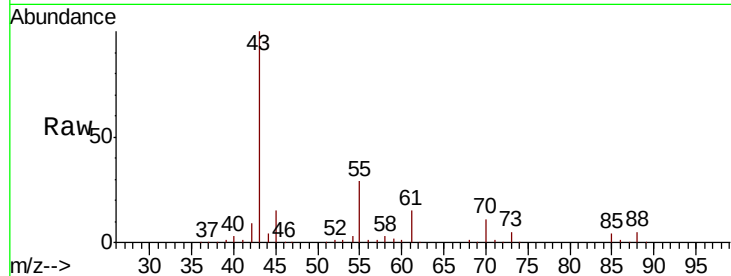


#43
Ethyl Acetate
Concen: 22.067 ug/l m
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

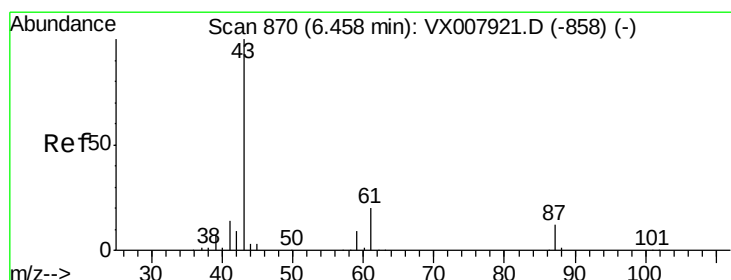
Tgt Ion: 43 Resp: 129435
Ion Ratio Lower Upper
43 100
45 0.1 6.9 10.3#

Manual Integrations
APPROVED



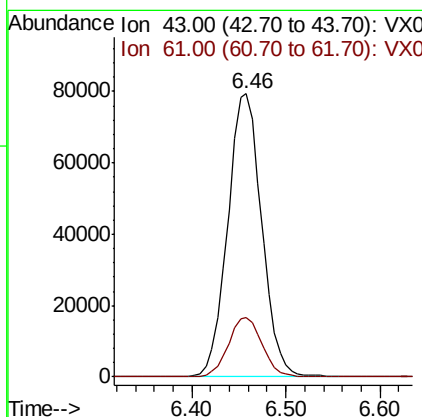
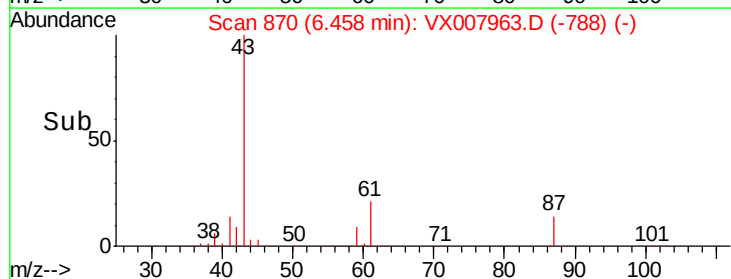
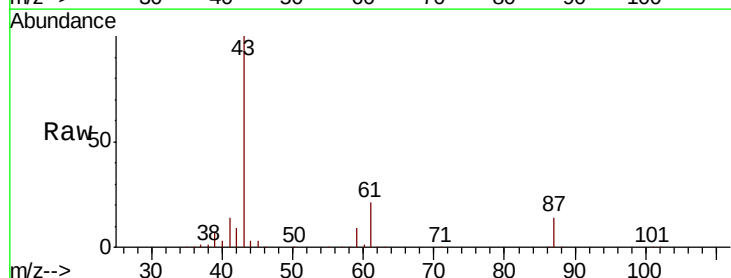
MMDadoda

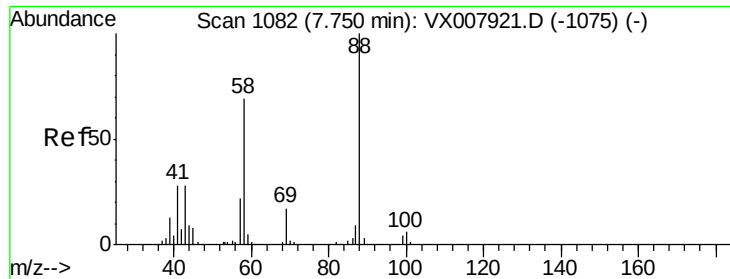
3/12/2019 1:09:59 PM



#44
Isopropyl Acetate
Concen: 22.200 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 43 Resp: 198688
Ion Ratio Lower Upper
43 100
61 20.9 16.1 24.1



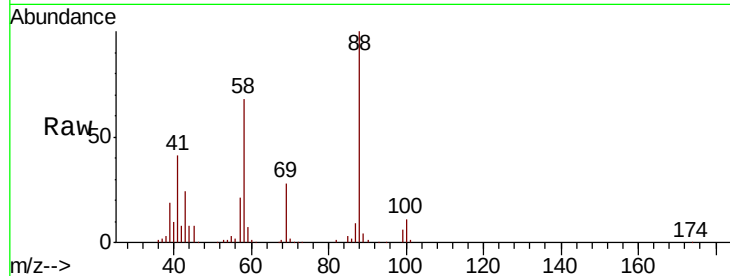


#45
1,4-Dioxane
Concen: 454.464 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.6	35.4
58	72.5	51.6	77.4

Manual Integrations
APPROVED

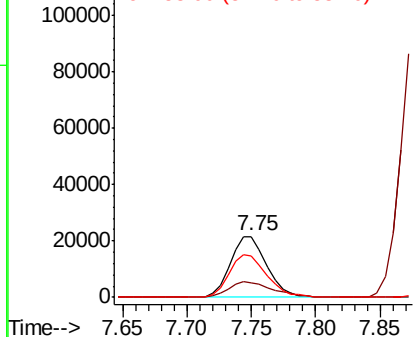


Abundance

Ion 88.00 (87.70 to 88.70): VX0

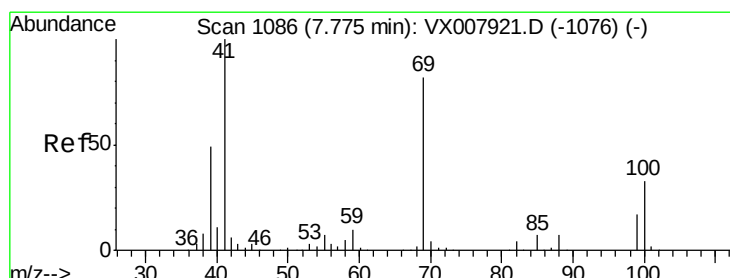
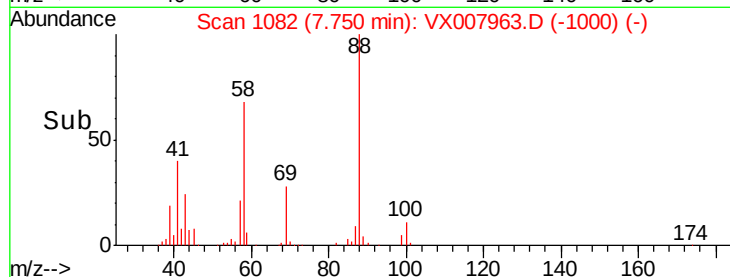
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



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3/12/2019 1:09:59 PM



#46
Methyl methacrylate
Concen: 22.462 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

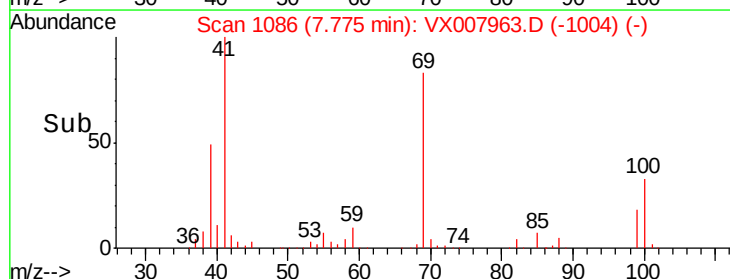
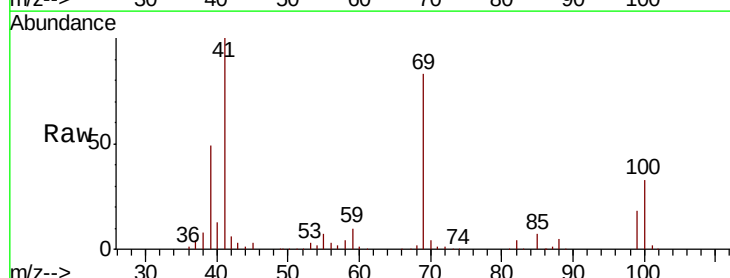
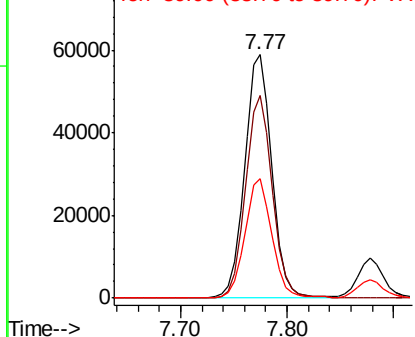
Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.3	44.2	132.6
39	49.3	29.9	89.8

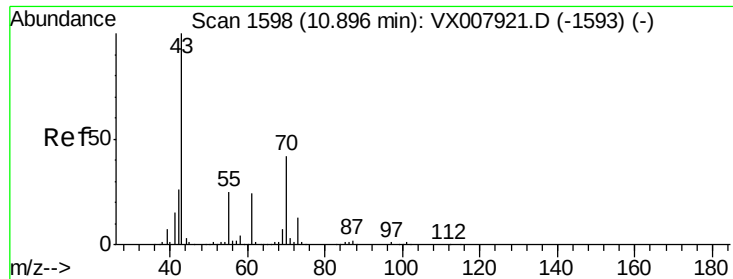
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amyI Acetate

Concen: 22.143 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

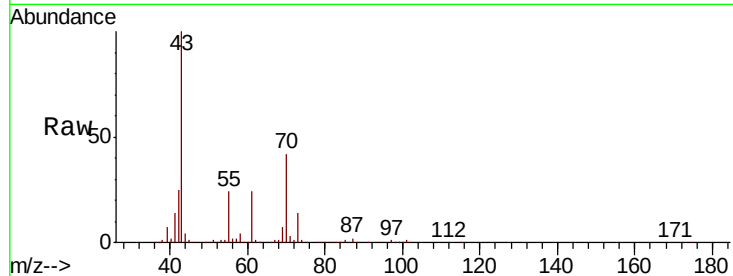
Tgt Ion: 43 Resp: 170757

Ion Ratio Lower Upper

43 100

55 24.8 20.8 31.2

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

Ion 55.00 (54.70 to 55.70): VX0

10.90

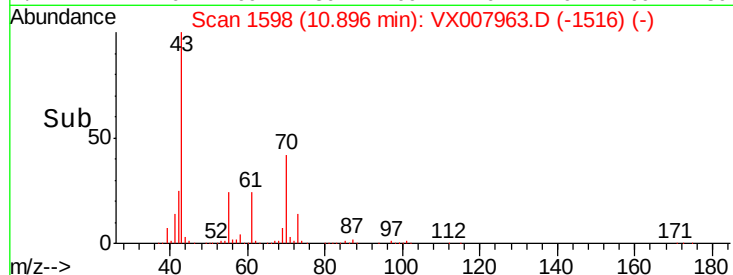
150000

100000

50000

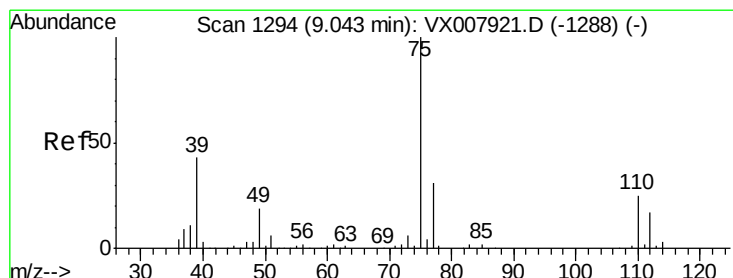
0

Time-->



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3/12/2019 1:09:59 PM



#48

t-1,3-Dichloropropene

Concen: 23.553 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007963.D

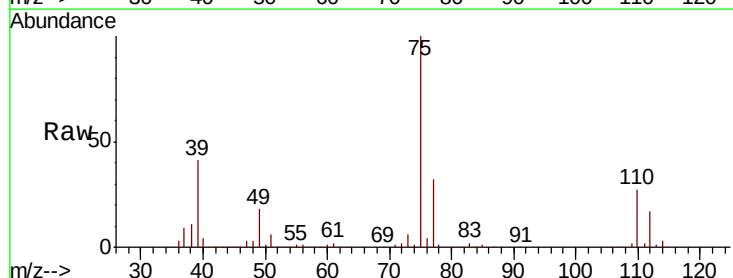
Acq: 11 Mar 2019 11:44

Tgt Ion: 75 Resp: 122042

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

100000

80000

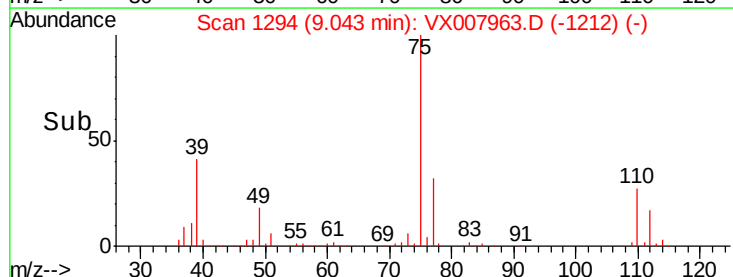
60000

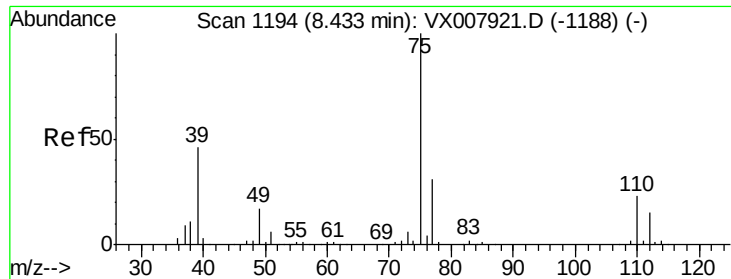
40000

20000

0

Time-->



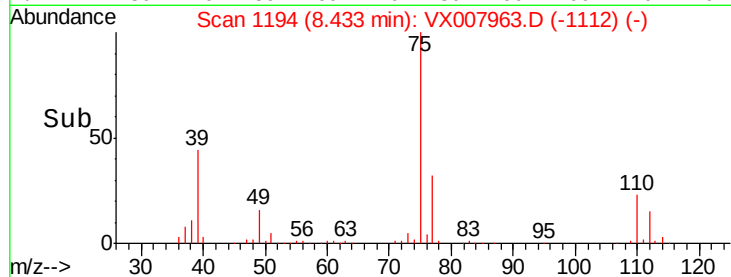
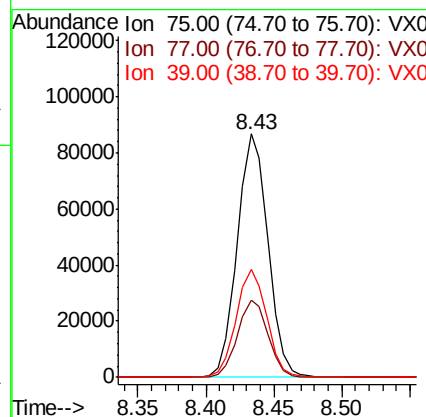
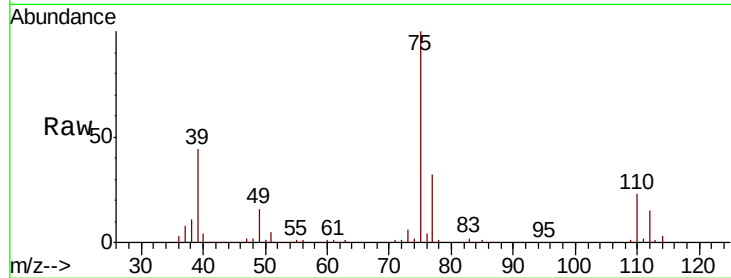


#49
 cis-1,3-Dichloropropene
 Concen: 23.313 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

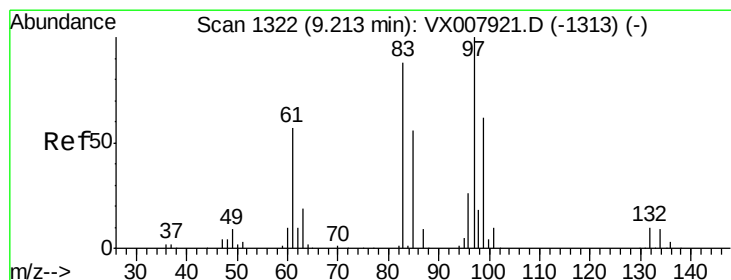
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	44.2	38.5	57.7

Manual Integrations
 APPROVED



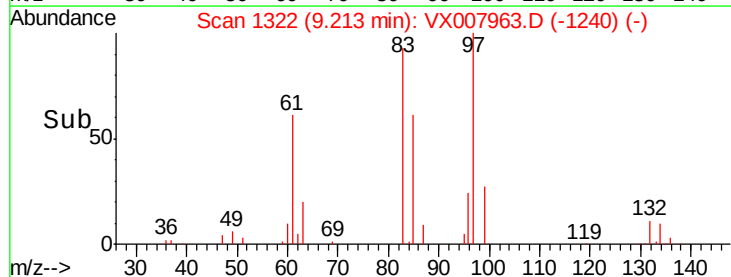
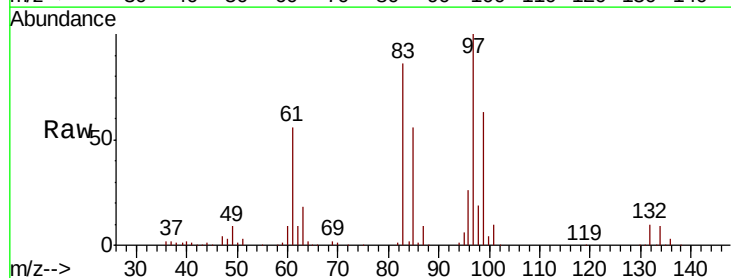
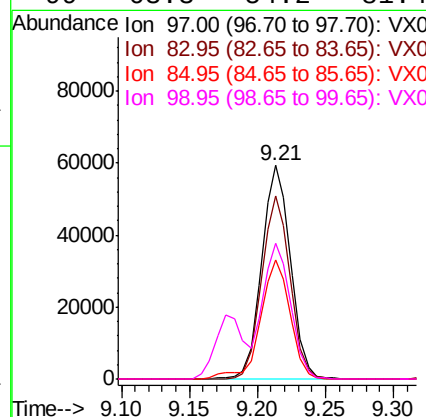
MMDadoda

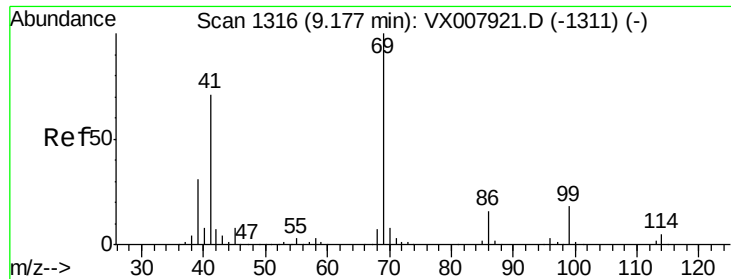
3/12/2019 1:09:59 PM



#50
 1,1,2-Trichloroethane
 Concen: 22.851 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	72.0	108.0
85	55.6	45.0	67.6
99	63.3	54.2	81.4





#51

Ethyl methacrylate

Concen: 22.737 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

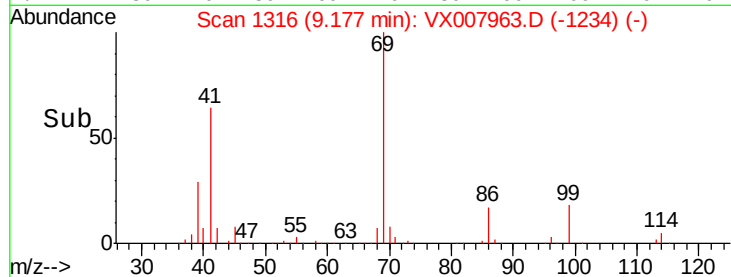
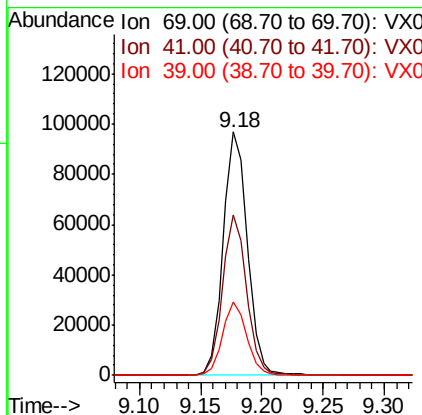
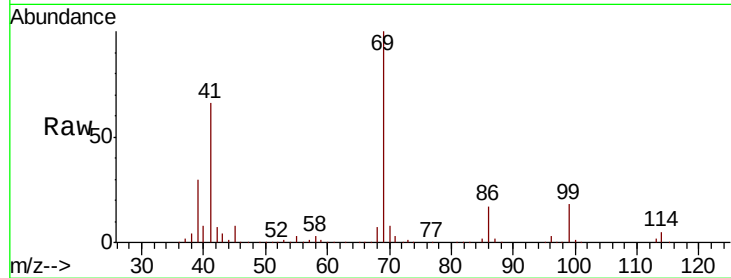
MSVOA_X

ClientSampled :

VX0311WBS01

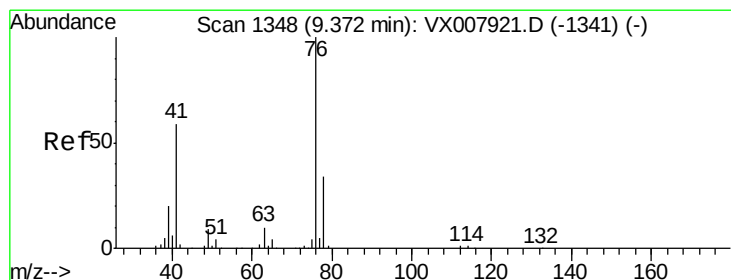
Tgt Ion:	69	Resp:	133032
Ion	Ratio	Lower	Upper
69	100		
41	65.9	32.1	96.5
39	29.9	18.8	56.3

Manual Integrations
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3/12/2019 1:09:59 PM



#52

1,3-Dichloropropane

Concen: 22.927 ug/l

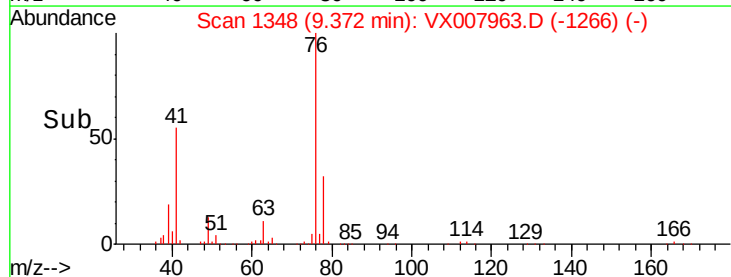
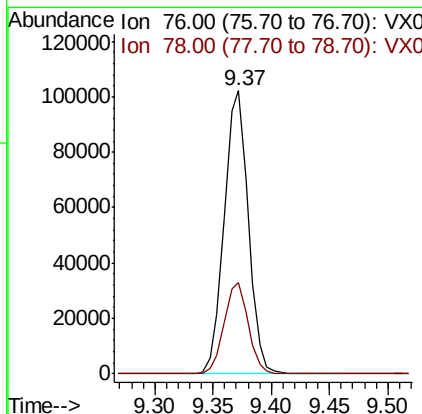
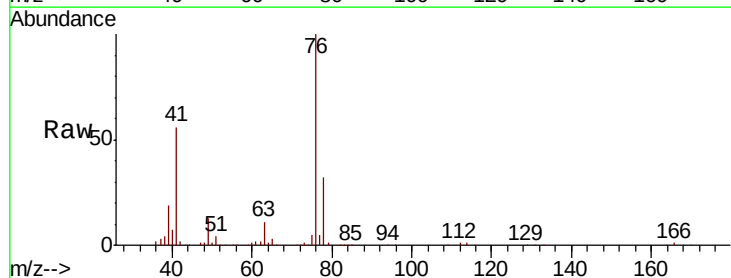
RT: 9.37 min Scan# 1348

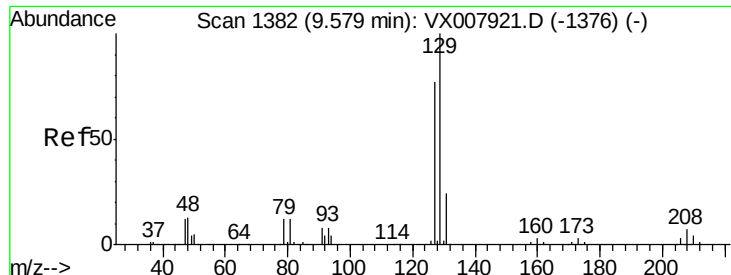
Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Tgt Ion:	76	Resp:	146157
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.2



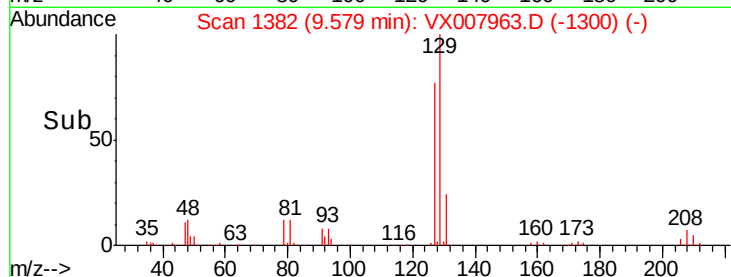
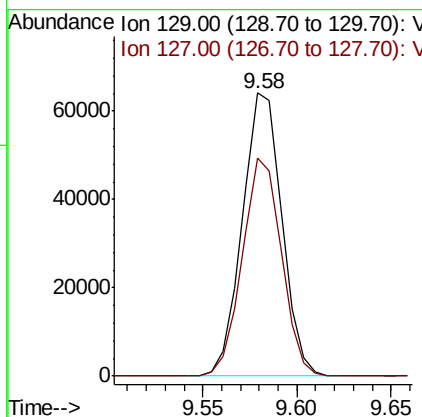
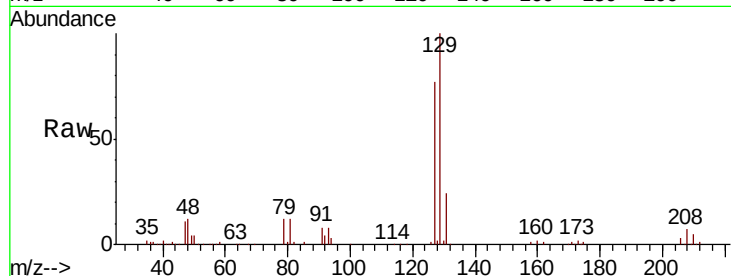


#53
 Dibromochloromethane
 Concen: 23.588 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

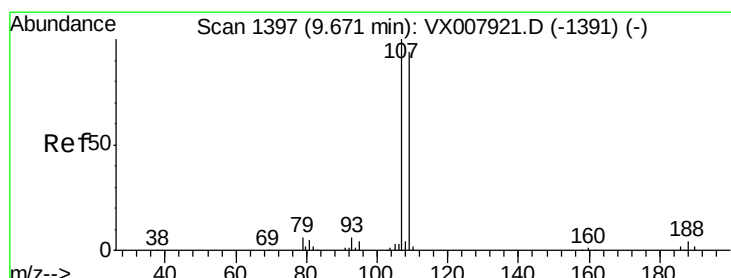
Tgt Ion:129 Resp: 93610
 Ion Ratio Lower Upper
 129 100
 127 76.2 38.4 115.2

Manual Integrations
 APPROVED



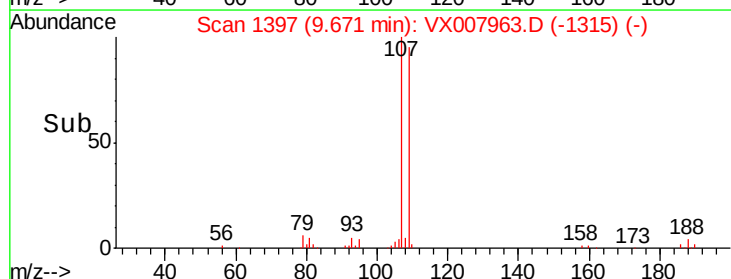
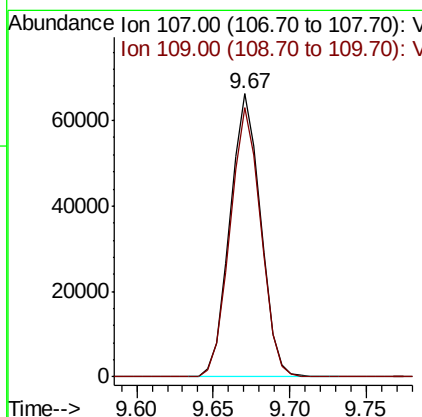
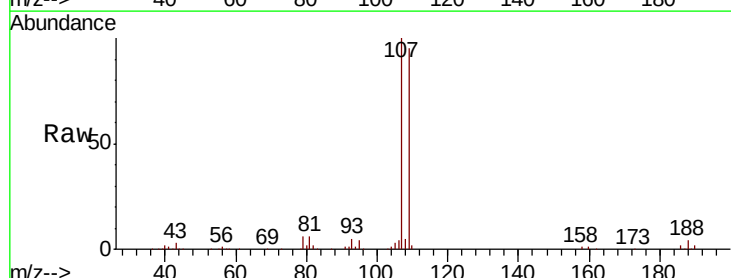
MMDadoda

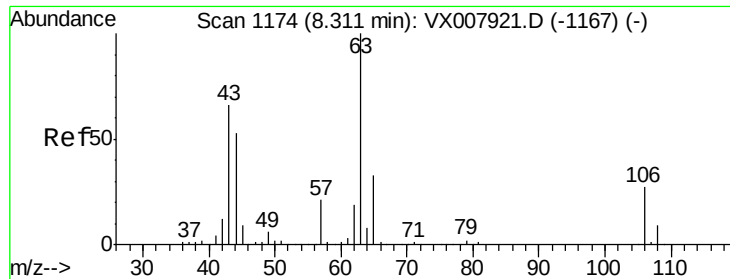
3/12/2019 1:09:59 PM



#54
 1,2-Dibromoethane
 Concen: 22.844 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion:107 Resp: 92142
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.6 115.0



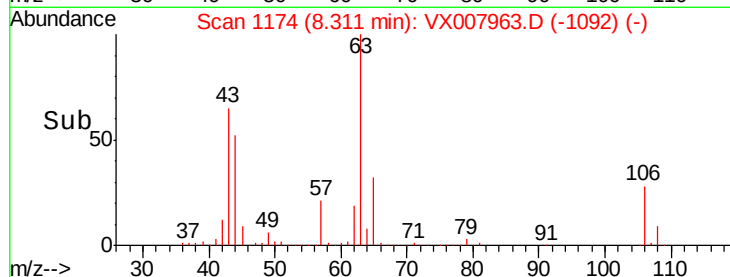
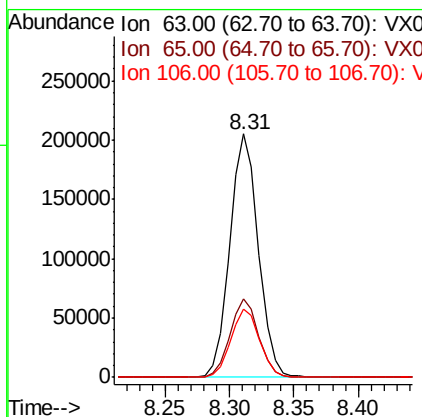
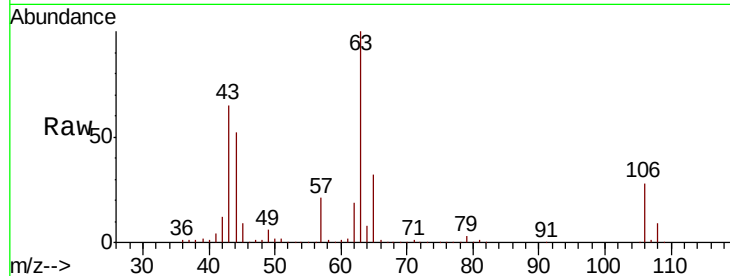


#55
 2-Chloroethyl vinyl ether
 Concen: 116.526 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

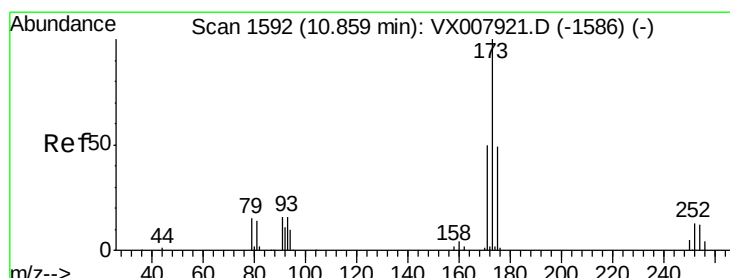
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.7	38.5
106	28.2	23.7	35.5

Manual Integrations
 APPROVED



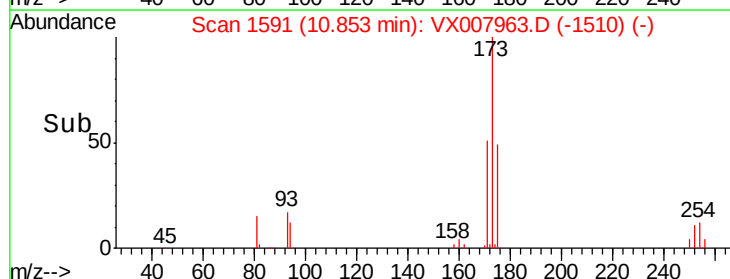
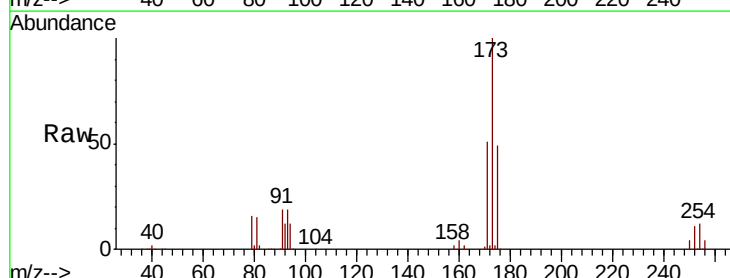
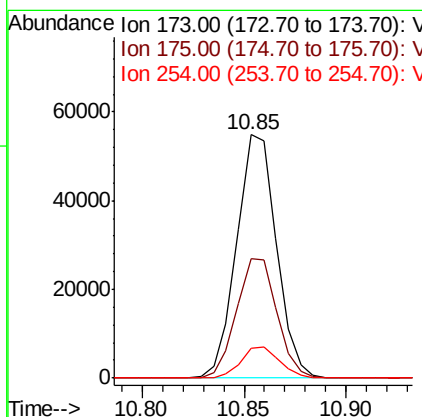
MMDadoda

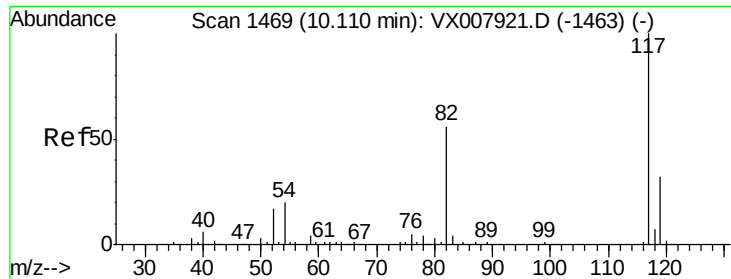
3/12/2019 1:09:59 PM



#56
 Bromoform
 Concen: 23.509 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.5	57.7
254	12.5	7.4	11.2



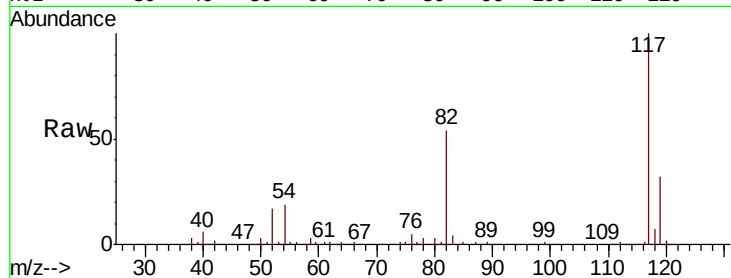


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

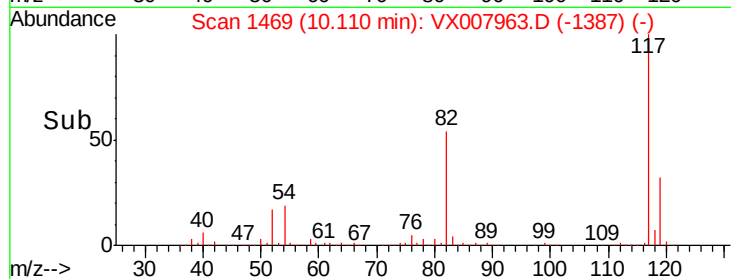
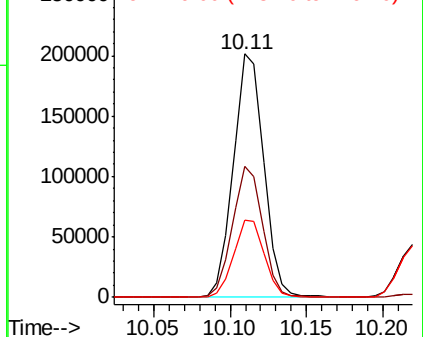
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.4	60.6
119	32.1	25.8	38.6

Manual Integrations
APPROVED

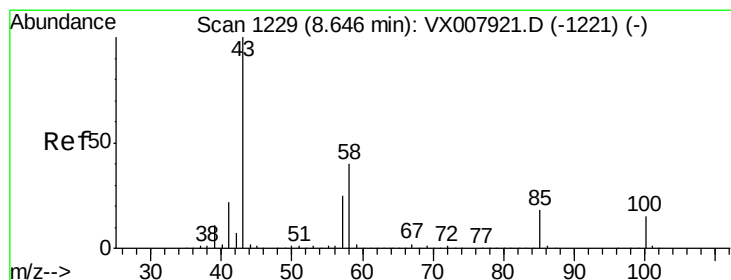


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V



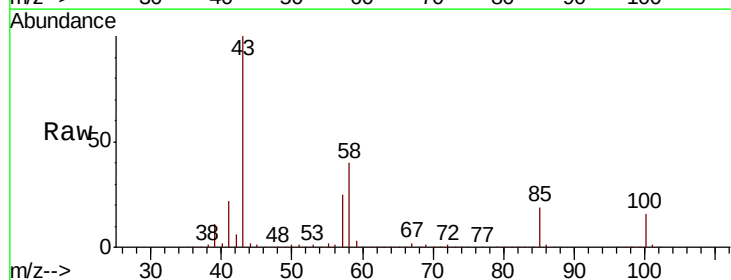
MMDadoda

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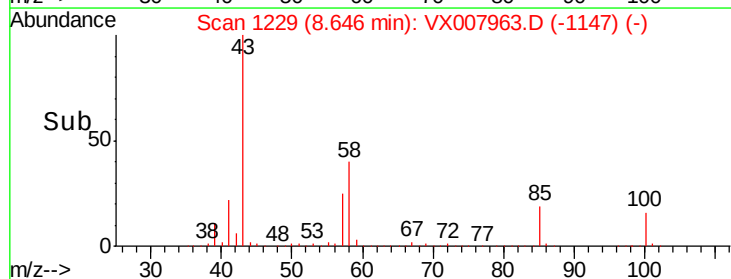
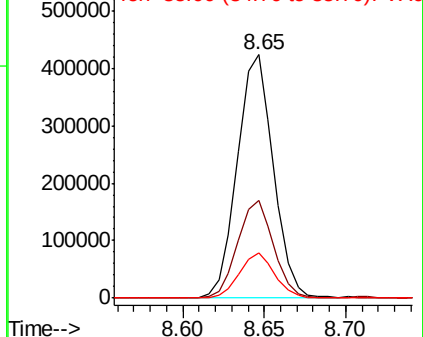


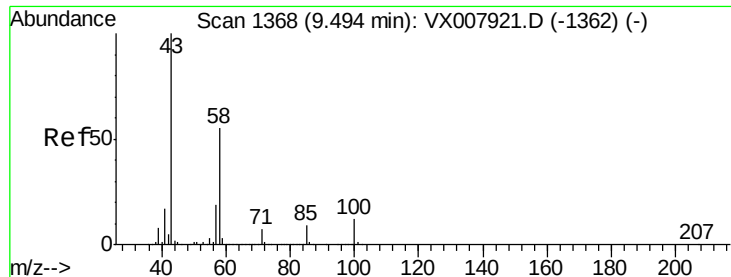
#58
4-Methyl-2-Pentanone
Concen: 114.136 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.0
85	18.3	15.0	22.6



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



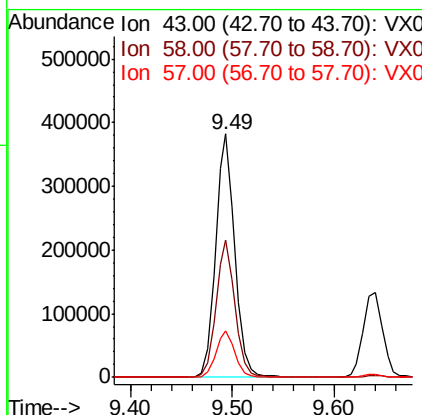
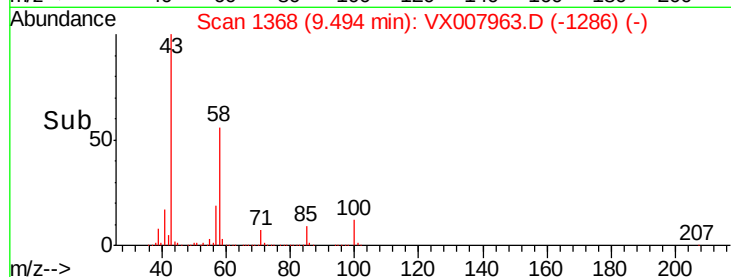
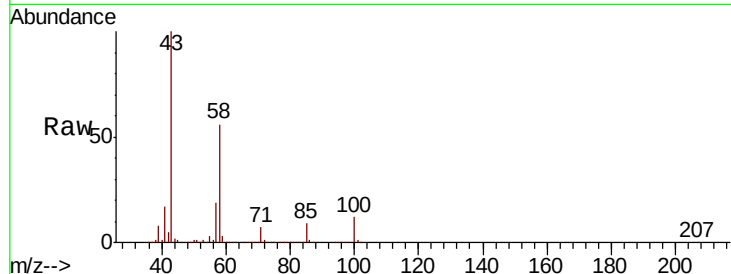


#59
2-Hexanone
Concen: 111.518 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

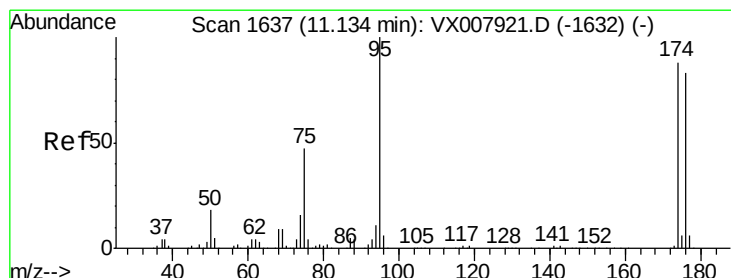
Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.9	65.9
57	19.0	14.9	22.3

Manual Integrations
APPROVED



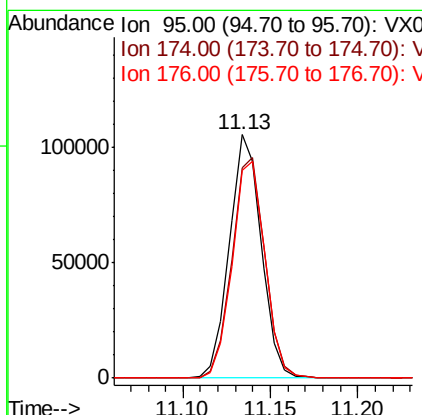
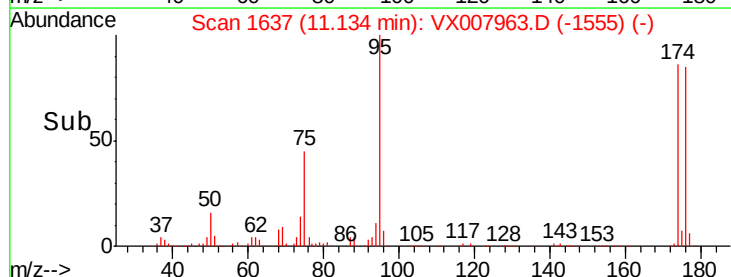
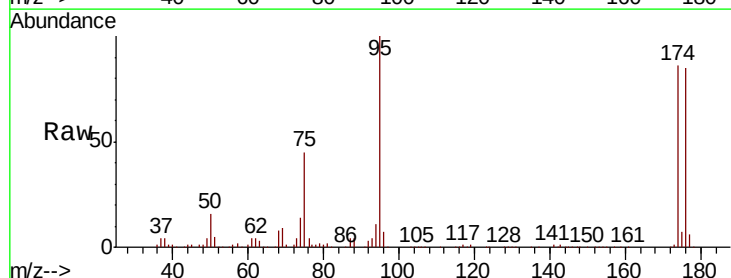
MMDadoda

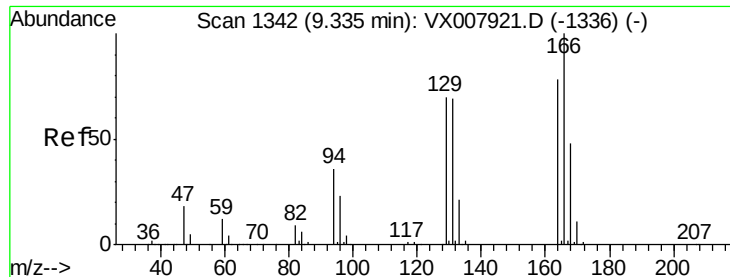
3/12/2019 1:09:59 PM



#60
4-Bromofluorobenzene
Concen: 30.263 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	74.9	112.3
176	91.2	70.7	106.1



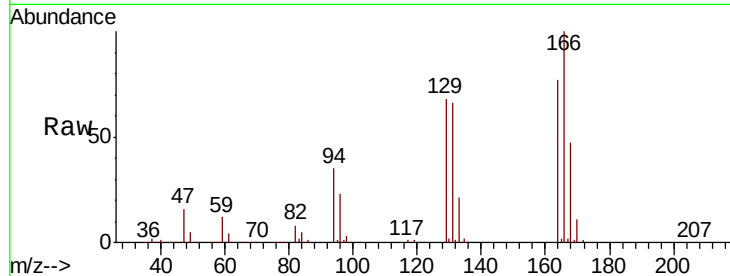


#61
Tetrachloroethene
Concen: 24.013 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

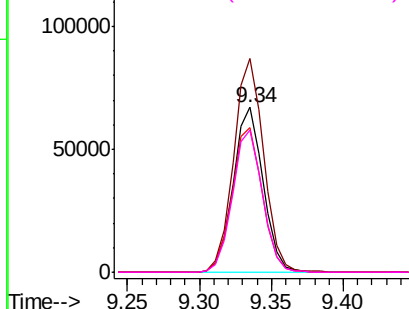
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.9	155.9
129	87.6	74.7	112.1
131	85.9	71.7	107.5

Manual Integrations
APPROVED

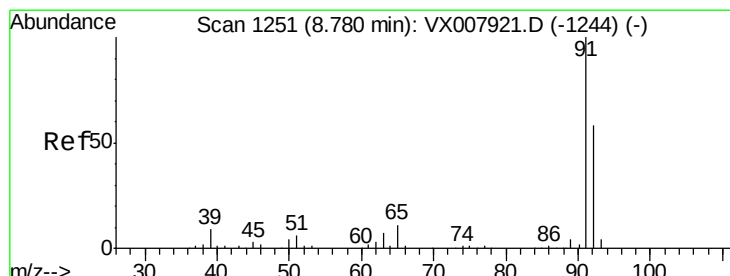
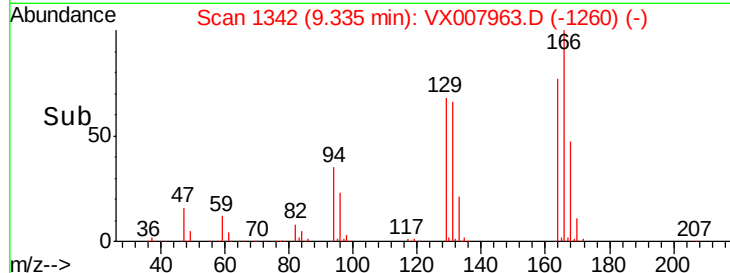


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



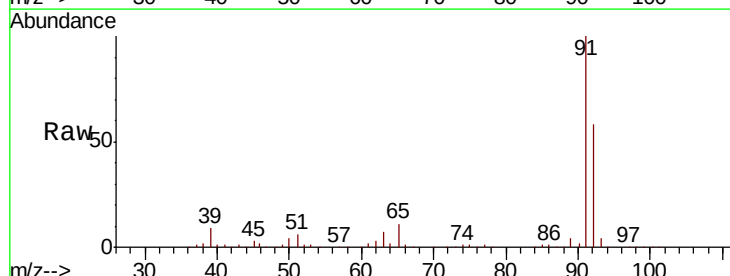
MMDadoda

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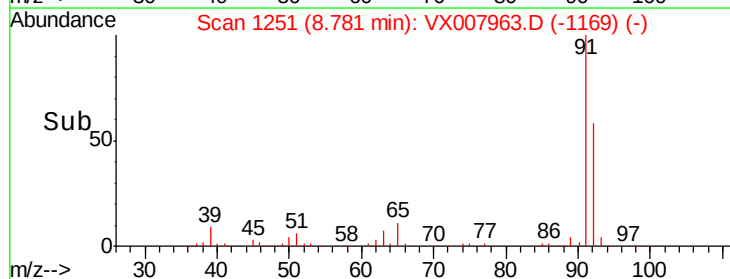
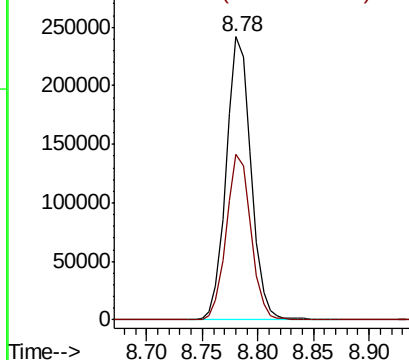


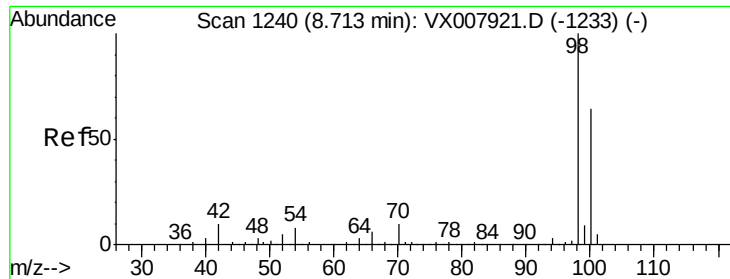
#62
Toluene
Concen: 22.930 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.4	69.6



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



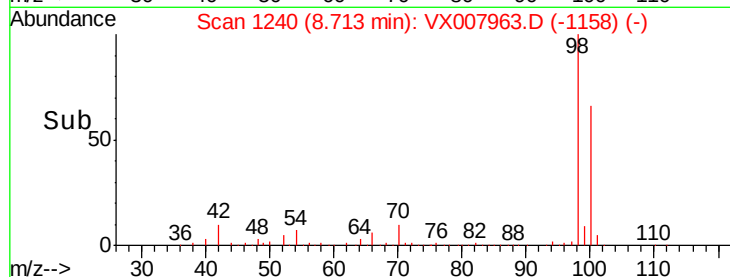
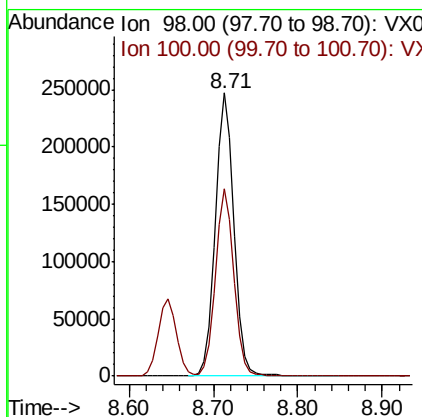
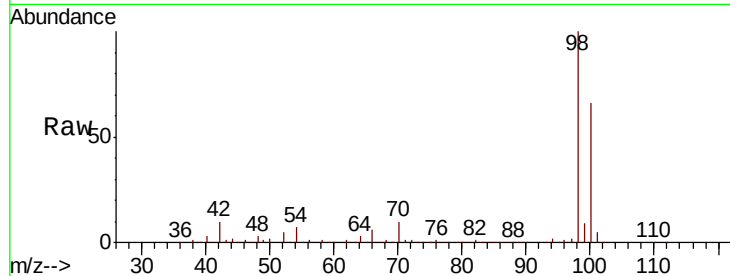


#63
Toluene-d8
Concen: 29.746 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

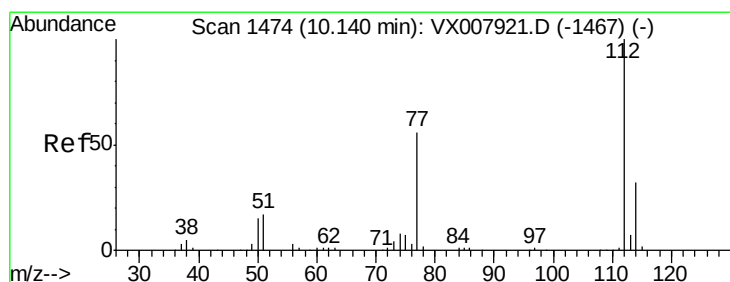
Tgt Ion: 98 Resp: 378679
Ion Ratio Lower Upper
98 100
100 65.6 50.9 76.3

Manual Integrations
APPROVED



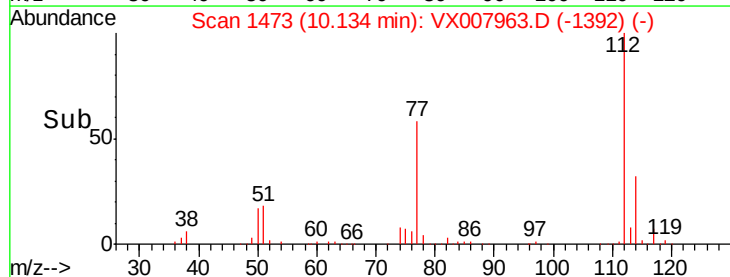
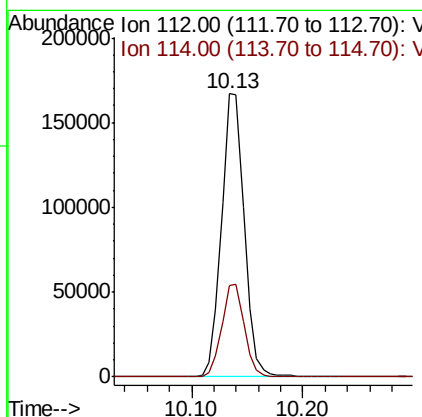
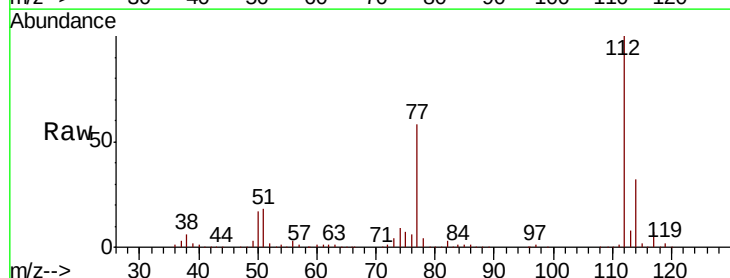
MMDadoda

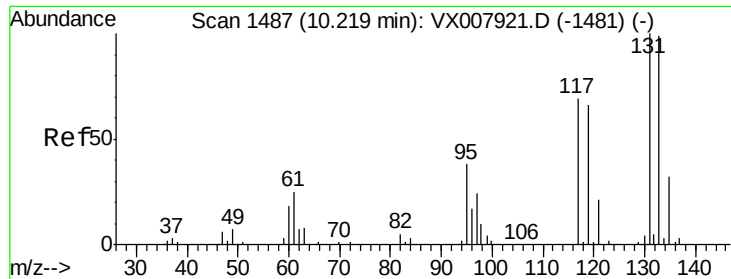
3/12/2019 1:09:59 PM



#64
Chlorobenzene
Concen: 22.906 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 112 Resp: 237129
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2



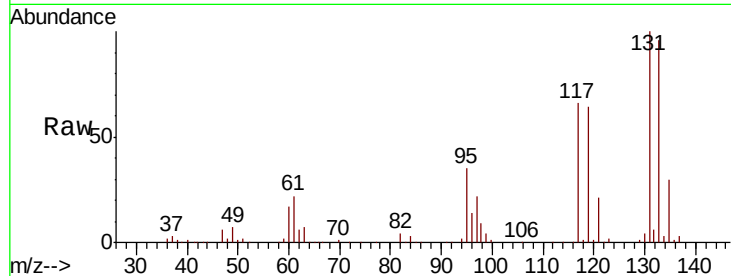


#65
1,1,1,2-Tetrachloroethane
Concen: 23.831 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	191.6
119	64.5	0.0	127.4

Manual Integrations
APPROVED

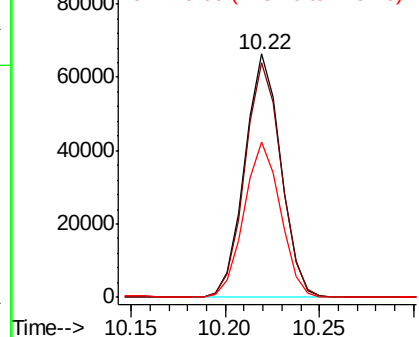


Abundance

Ion 131.00 (130.70 to 131.70): V

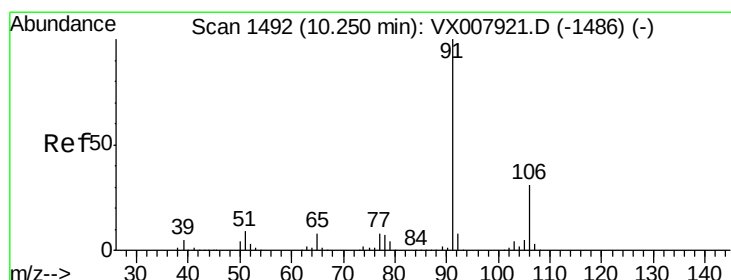
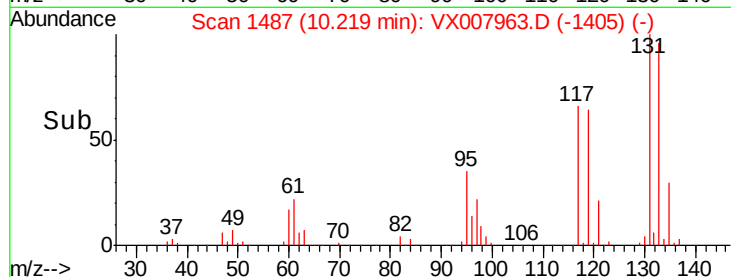
Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



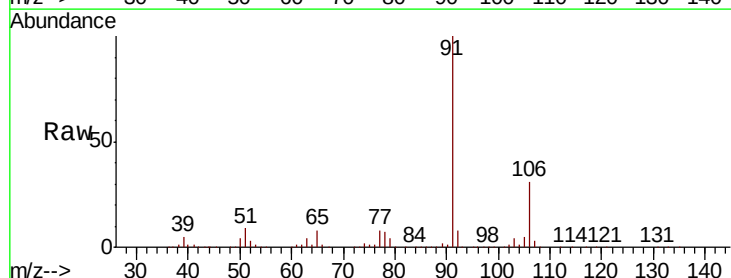
MMDadoda

3/12/2019 1:09:59 PM



#66
Ethyl Benzene
Concen: 23.103 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

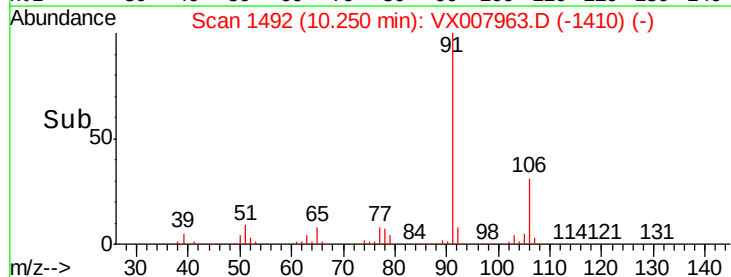
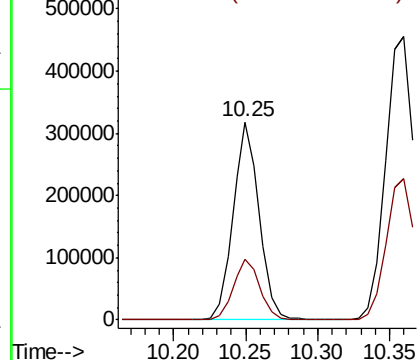
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	26.0	39.0

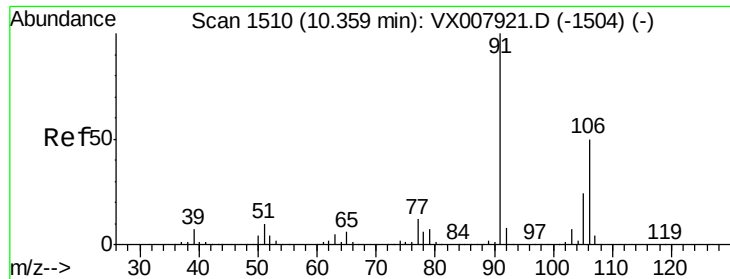


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 46.556 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Tgt Ion:106 Resp: 311457

Ion Ratio Lower Upper

106 100

91 201.6 157.0 235.4

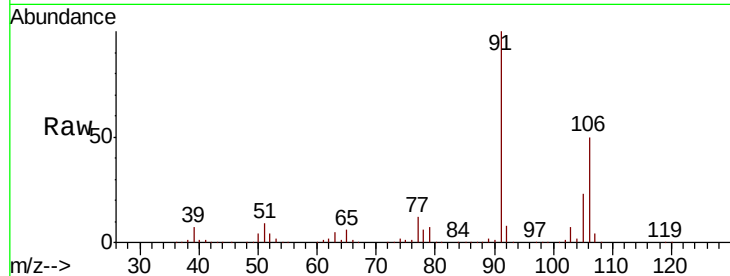
Instrument :

MSVOA_X

ClientSampleId :

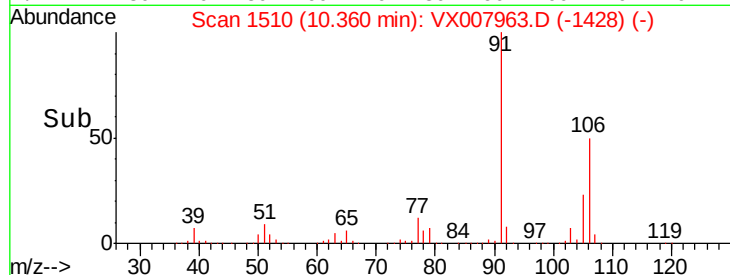
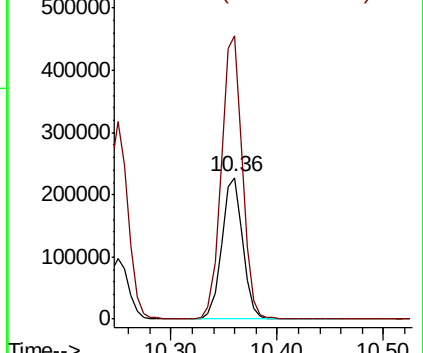
VX0311WBS01

Manual Integrations
APPROVED



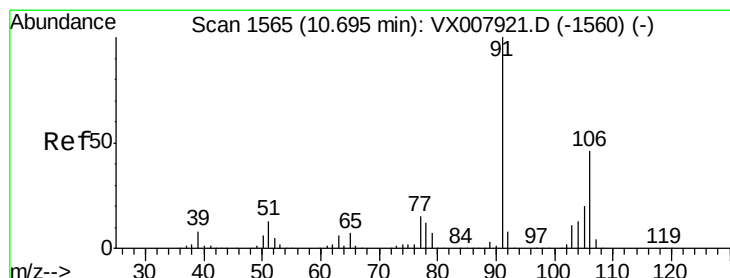
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



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3/12/2019 1:09:59 PM



#68

o-Xylene

Concen: 23.144 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007963.D

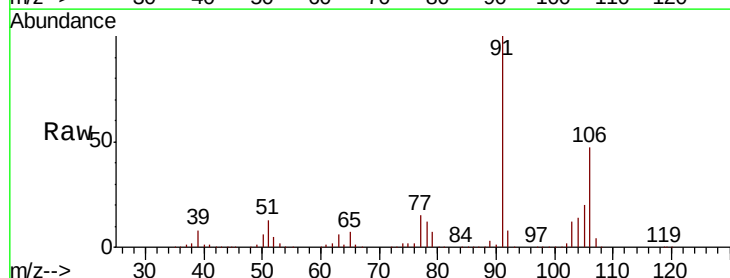
Acq: 11 Mar 2019 11:44

Tgt Ion:106 Resp: 150345

Ion Ratio Lower Upper

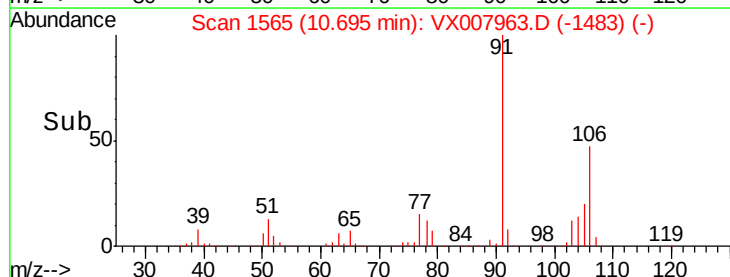
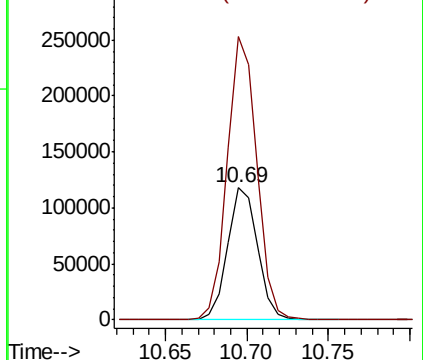
106 100

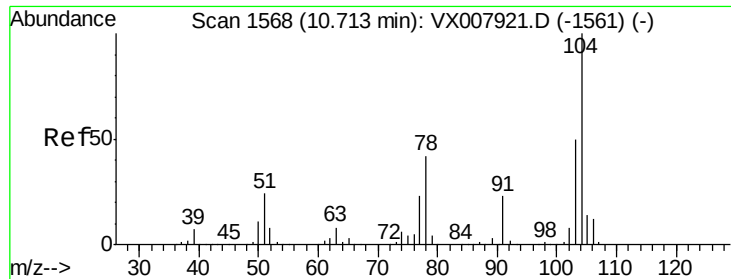
91 212.0 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



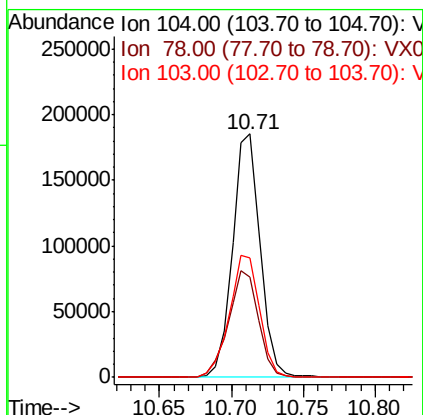
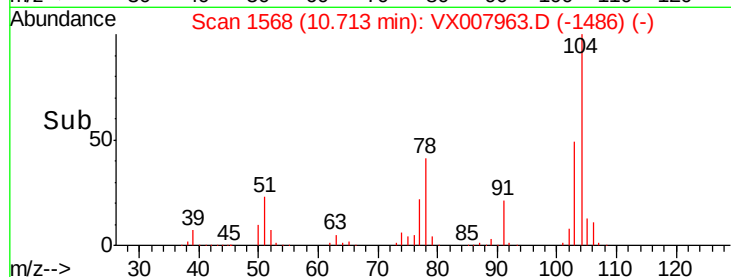
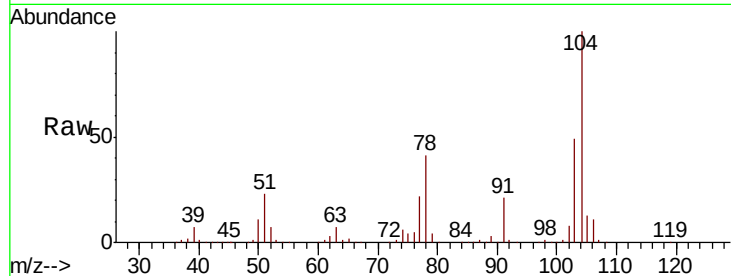


#69
Styrene
Concen: 23.283 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

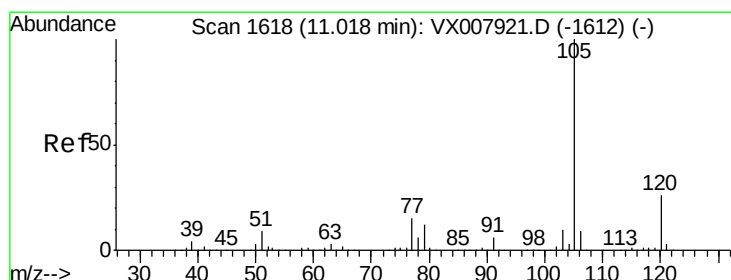
Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.2	57.2
103	55.1	45.0	67.4

Manual Integrations
APPROVED



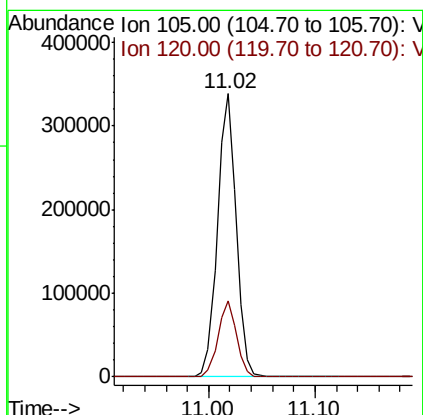
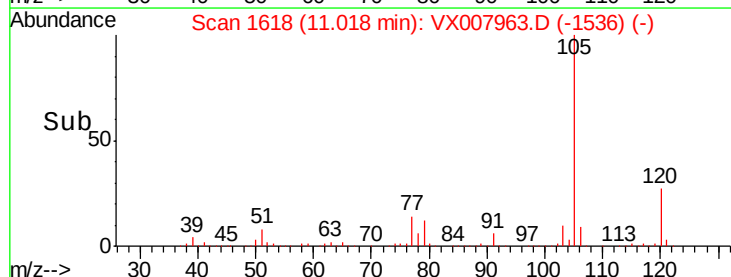
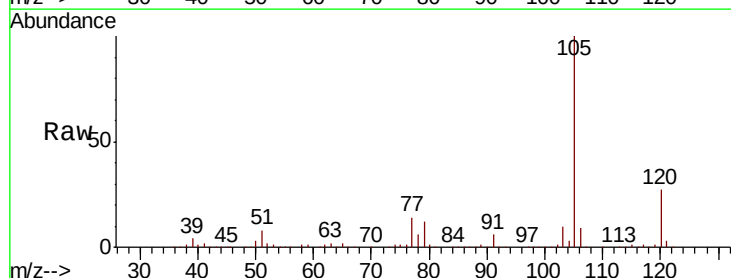
MMDadoda

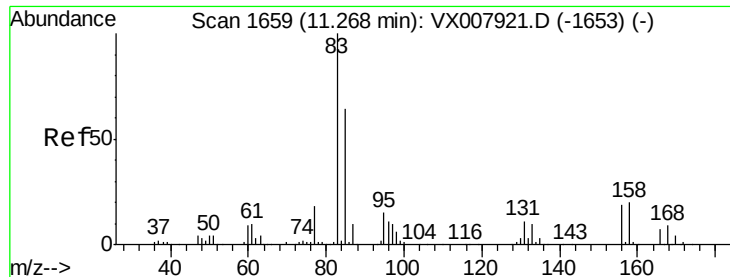
3/12/2019 1:09:59 PM



#70
Isopropylbenzene
Concen: 23.717 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.8	36.8



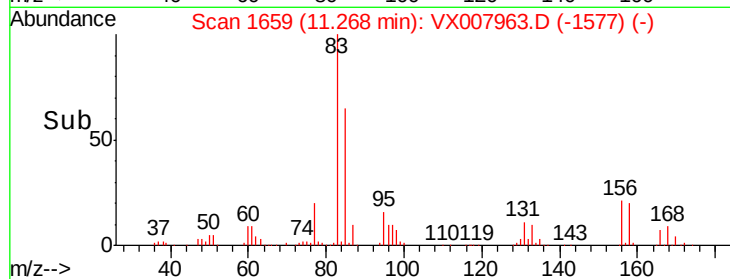
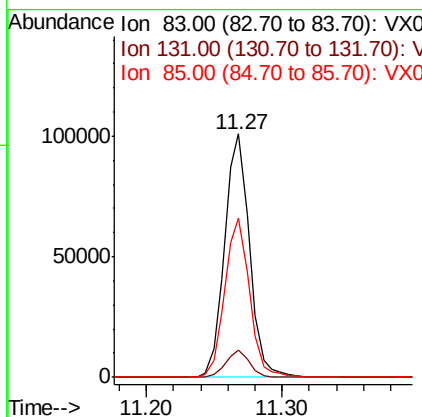
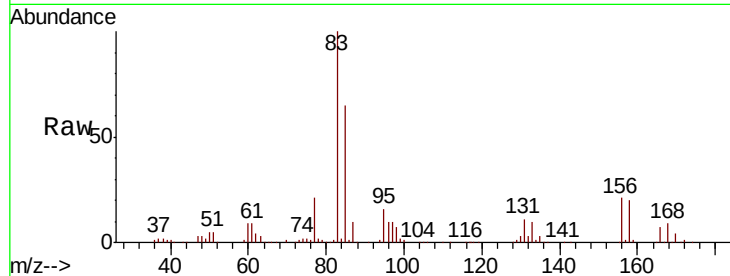


#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.393 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

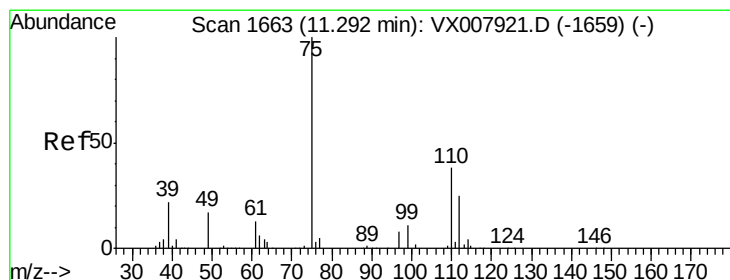
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	128380		
131	10.9	5.4	16.2	
85	65.2	32.8	98.4	

Manual Integrations
 APPROVED



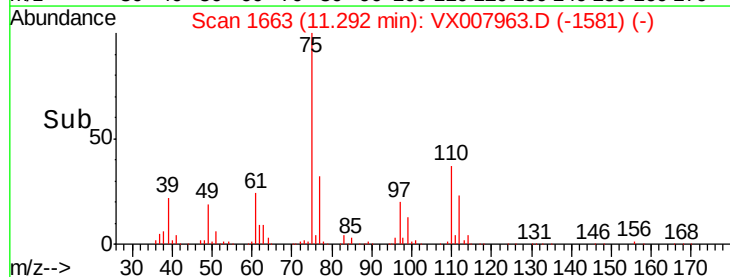
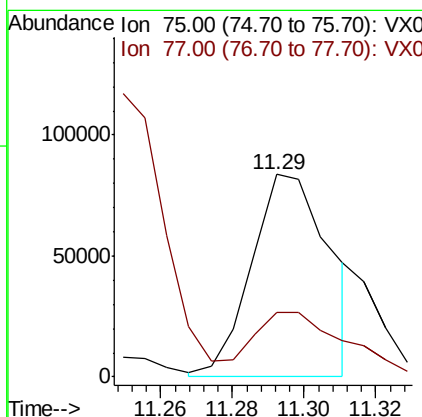
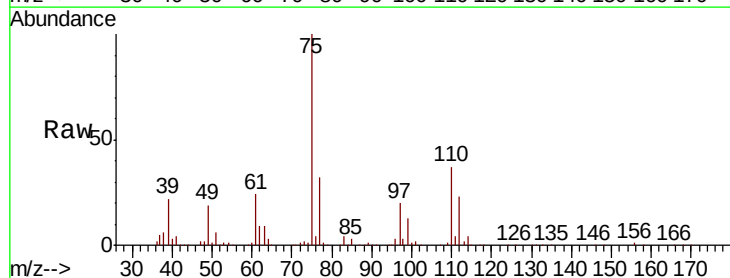
MMDadoda

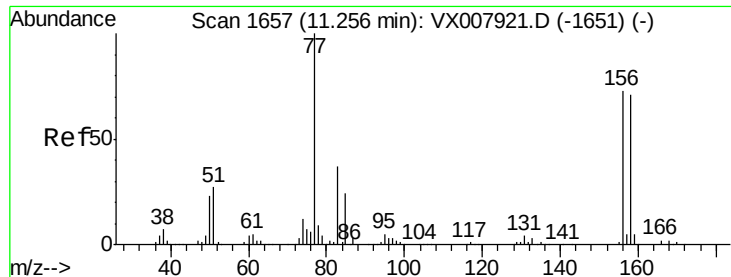
3/12/2019 1:09:59 PM



#72
 1,2,3-Trichloropropane
 Concen: 23.517 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127084		
77	38.8	0.0	76.4	





#73

Bromobenzene

Concen: 23.553 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

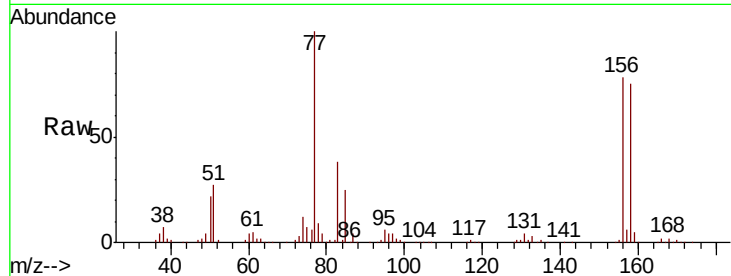
MSVOA_X

ClientSampleId :

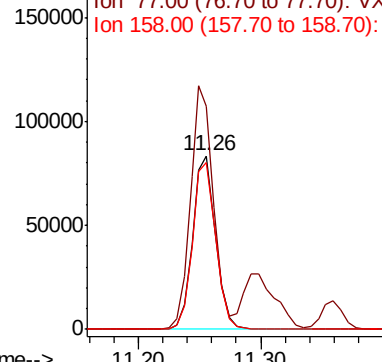
VX0311WBS01

Tgt Ion:	156	Resp:	108695
Ion Ratio	Lower	Upper	
156	100		
77	139.3	0.0	271.4
158	97.3	0.0	194.0

Manual Integrations
APPROVED

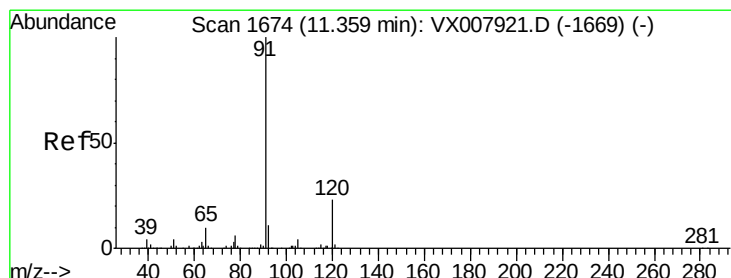
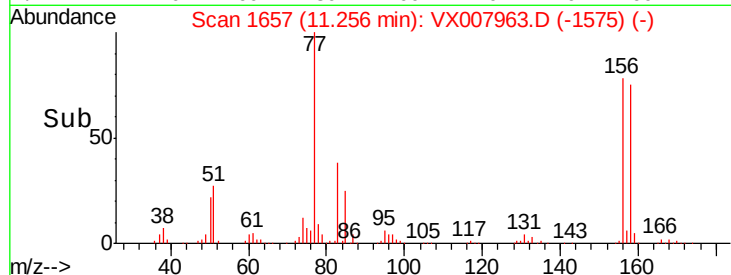


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



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3/12/2019 1:09:59 PM



#74

n-propylbenzene

Concen: 23.226 ug/l

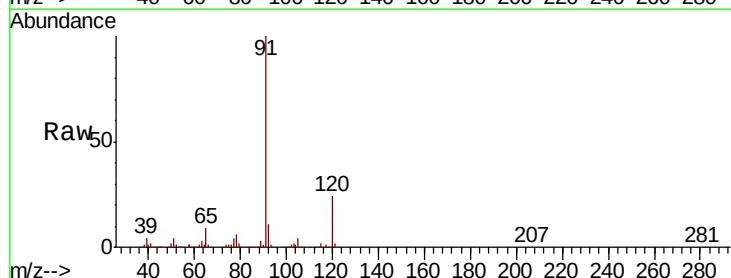
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

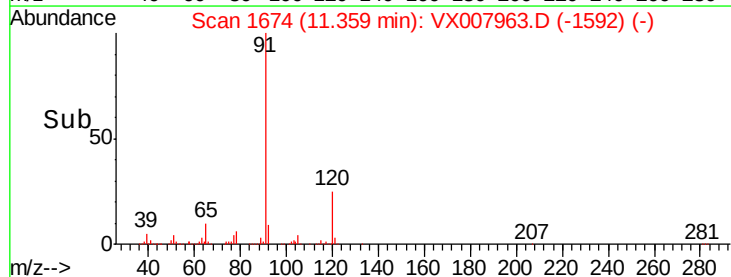
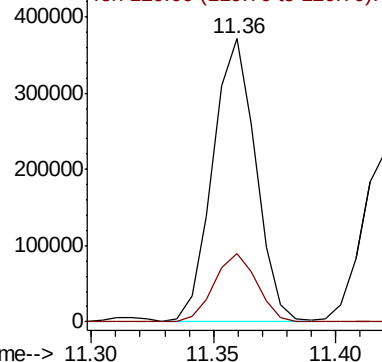
Lab File: VX007963.D

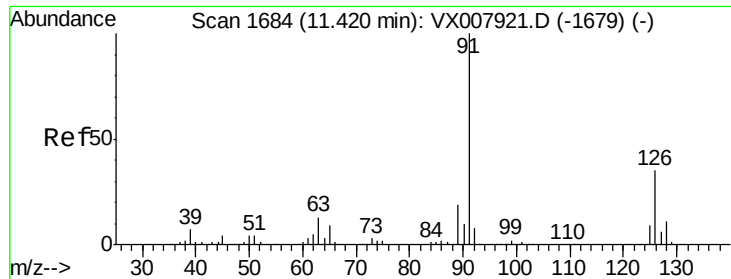
Acq: 11 Mar 2019 11:44

Tgt Ion:	91	Resp:	454774
Ion Ratio	Lower	Upper	
91	100		
120	24.1	0.0	48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 23.195 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS01

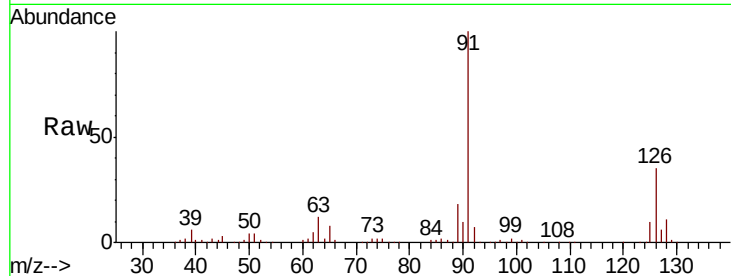
Tgt Ion: 91 Resp: 272218

Ion Ratio Lower Upper

91 100

126 35.1 0.0 75.2

Manual Integrations
APPROVED



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)

400000

300000

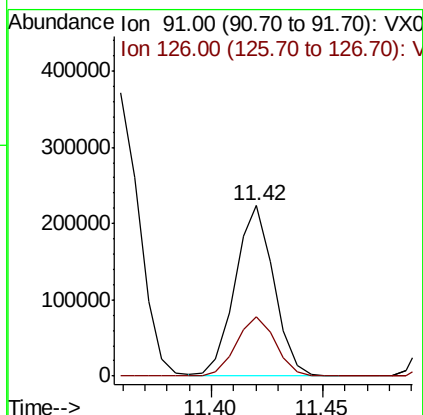
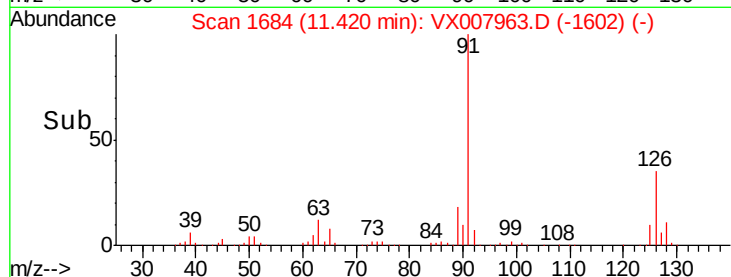
200000

100000

0

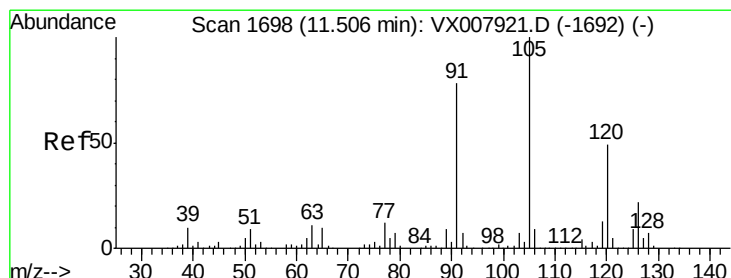
11.40 11.42 11.44

Time-->



MMDadoda

3/12/2019 1:09:59 PM



#76

1,3,5-Trimethylbenzene

Concen: 23.430 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007963.D

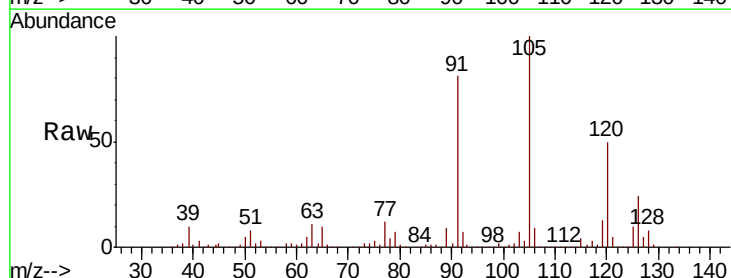
Acq: 11 Mar 2019 11:44

Tgt Ion: 105 Resp: 337063

Ion Ratio Lower Upper

105 100

120 49.7 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)

300000

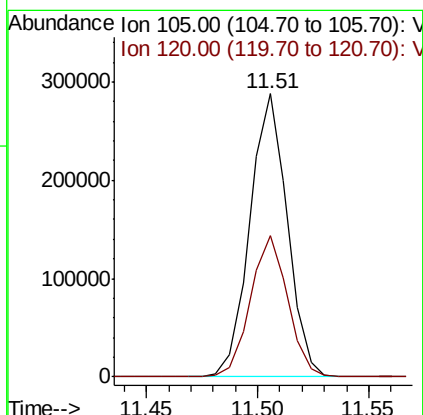
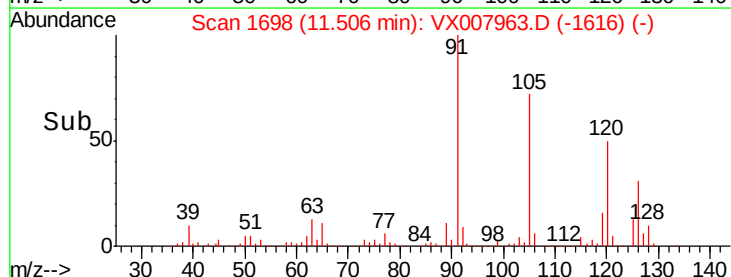
200000

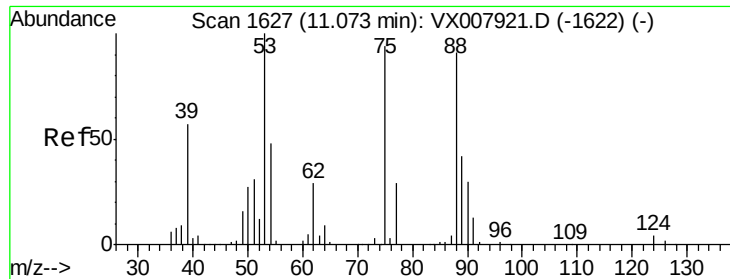
100000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 23.485 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

Tgt Ion: 75 Resp: 39212

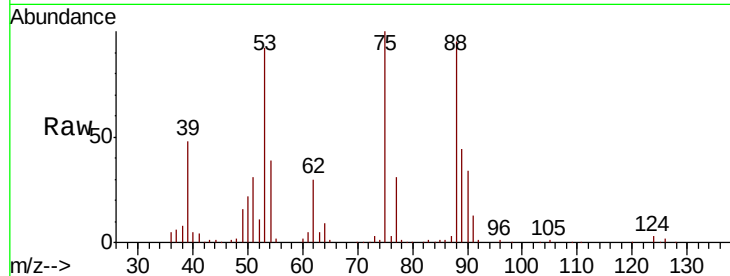
Ion Ratio Lower Upper

75 100

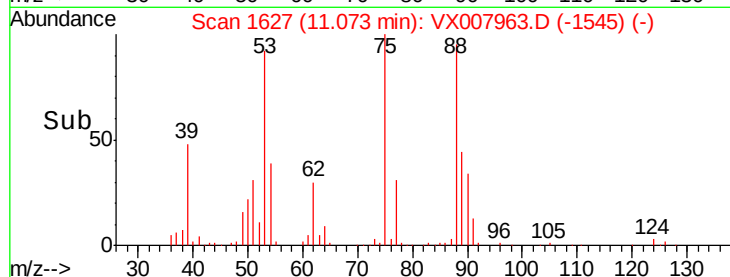
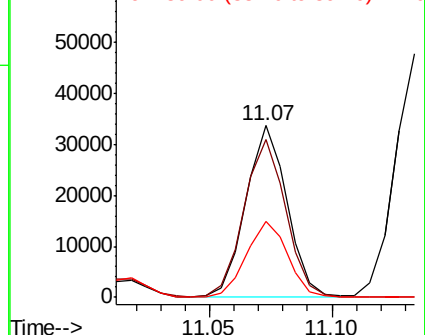
53 91.7 55.5 166.7

89 43.9 24.4 73.2

Manual Integrations
APPROVED

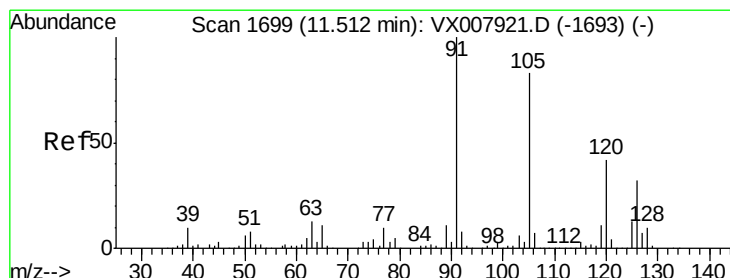


Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



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3/12/2019 1:09:59 PM



#78

4-Chlorotoluene

Concen: 23.406 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007963.D

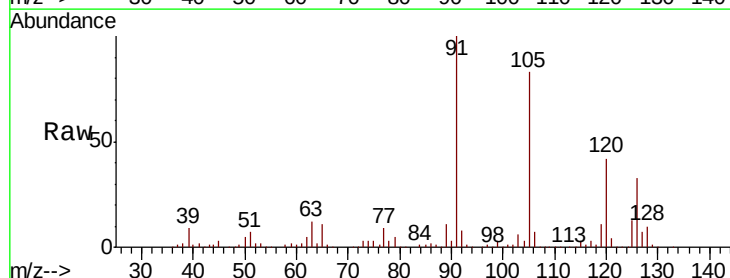
Acq: 11 Mar 2019 11:44

Tgt Ion: 91 Resp: 310582

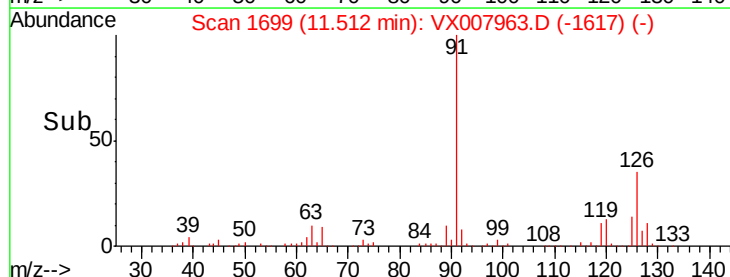
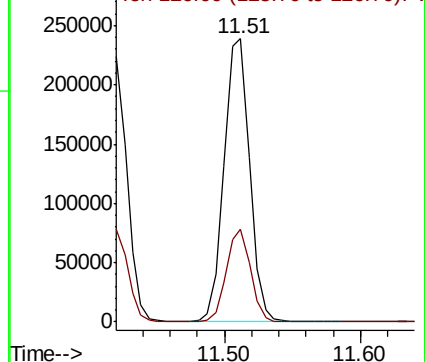
Ion Ratio Lower Upper

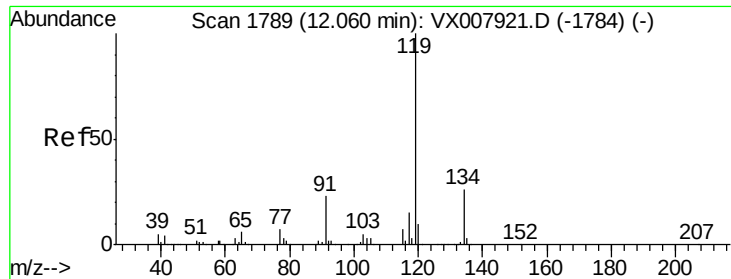
91 100

126 30.8 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V



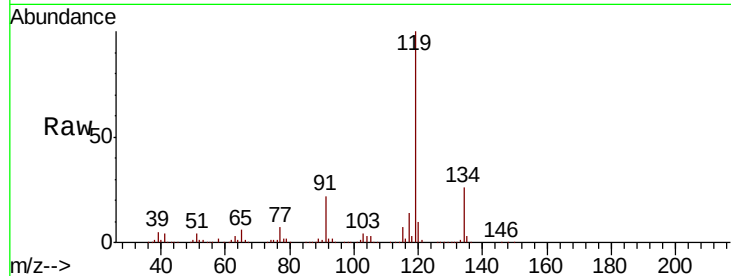


#79
tert-butylbenzene
Concen: 23.693 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

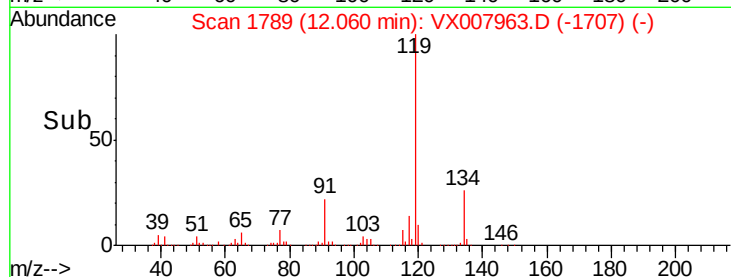
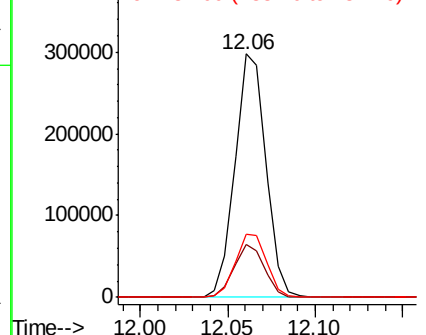
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	365770		
91	21.3	0.0	45.0	
134	26.2	0.0	55.4	

Manual Integrations
APPROVED

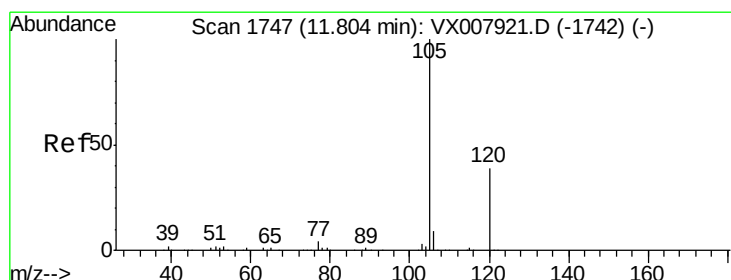


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



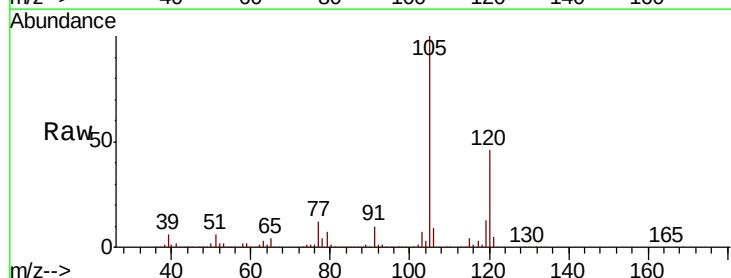
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3/12/2019 1:09:59 PM

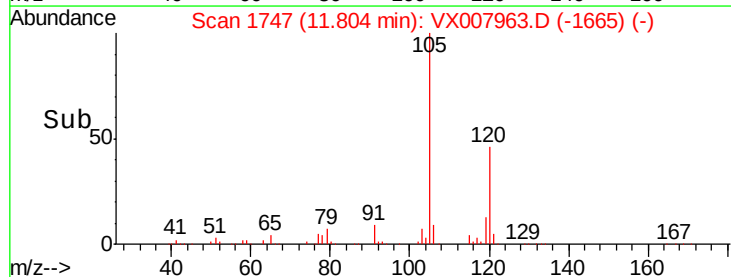
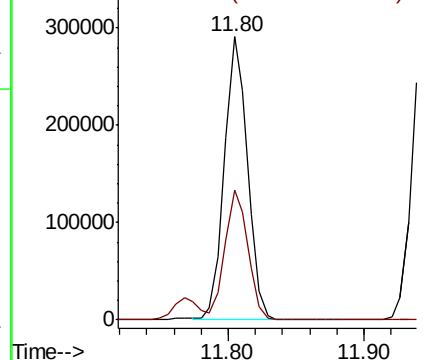


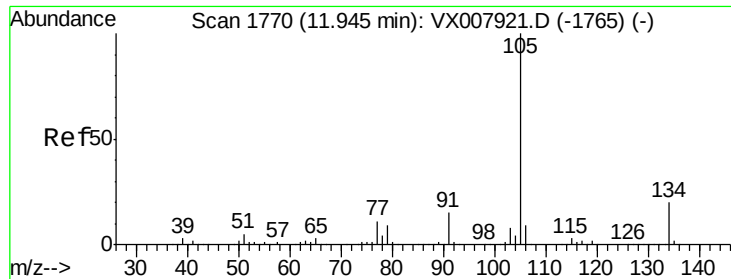
#80
1,2,4-Trimethylbenzene
Concen: 23.515 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	343329		
120	44.9	0.0	94.0	



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



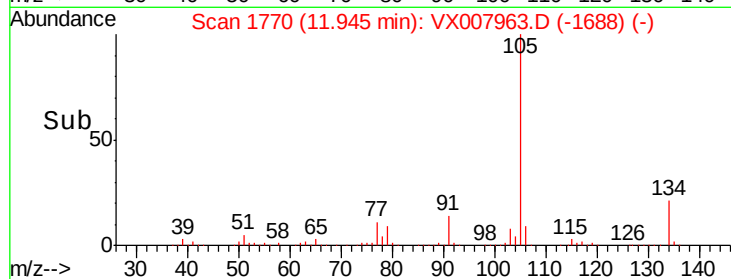
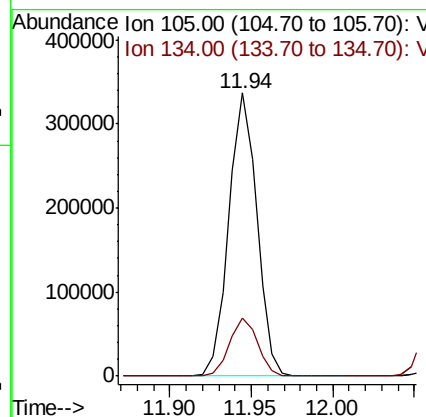
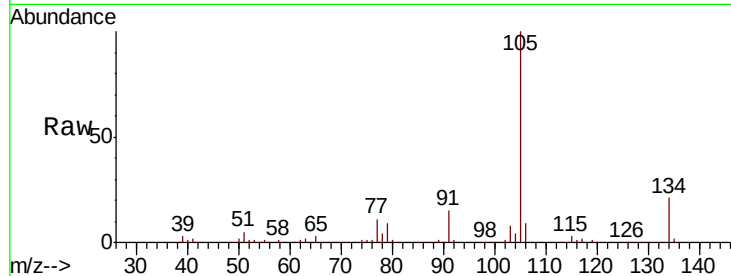


#81
 sec-Butylbenzene
 Concen: 23.373 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

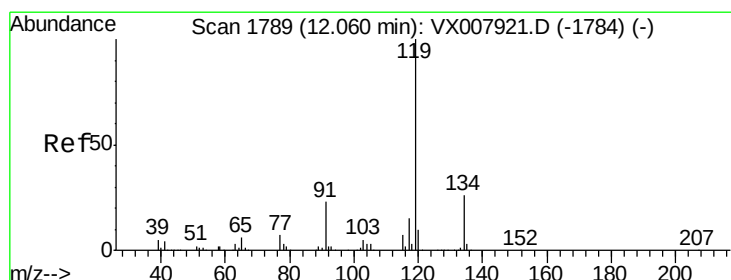
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	41.8

Manual Integrations
 APPROVED



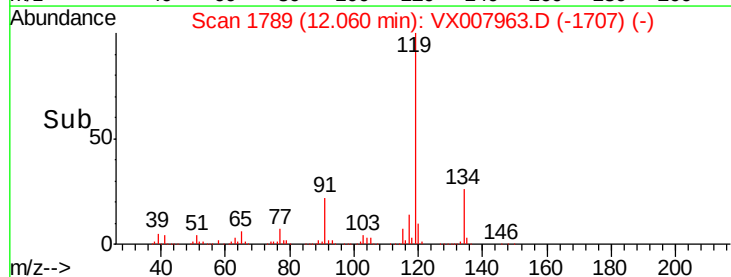
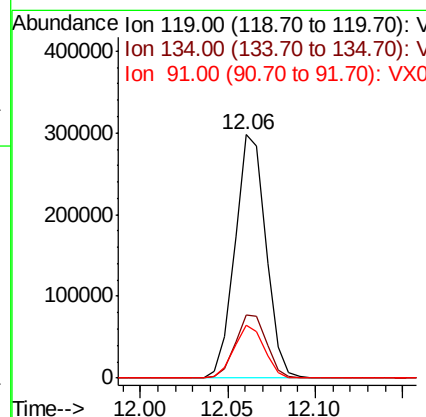
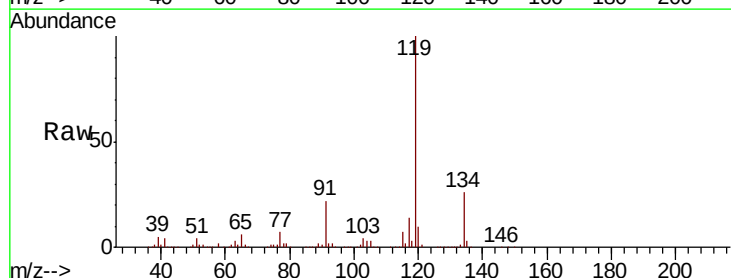
MMDadoda

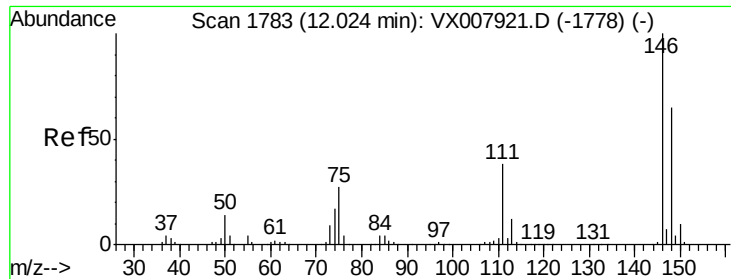
3/12/2019 1:09:59 PM



#82
 p-Isopropyltoluene
 Concen: 23.693 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	55.4
91	21.3	0.0	45.0



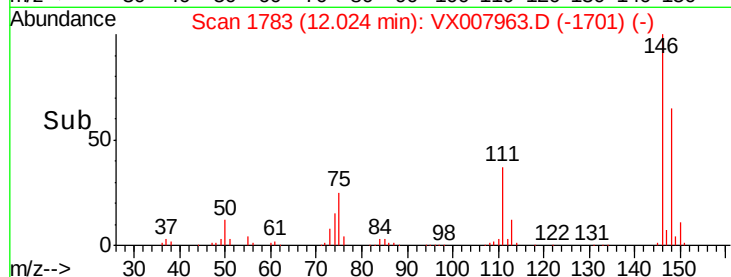
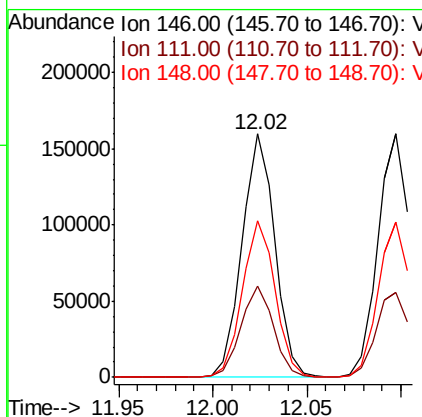
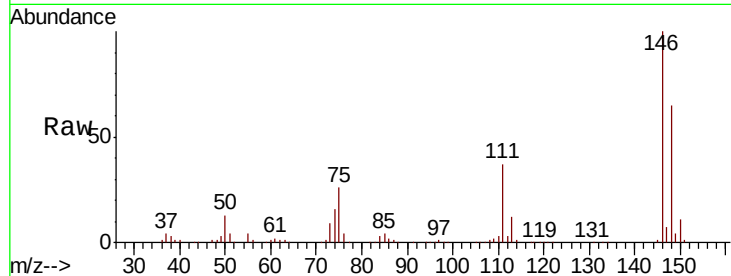


#83
 1,3-Dichlorobenzene
 Concen: 23.462 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

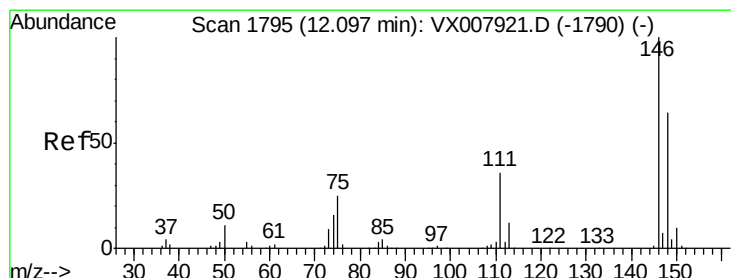
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.4	30.6	91.8

Manual Integrations
 APPROVED



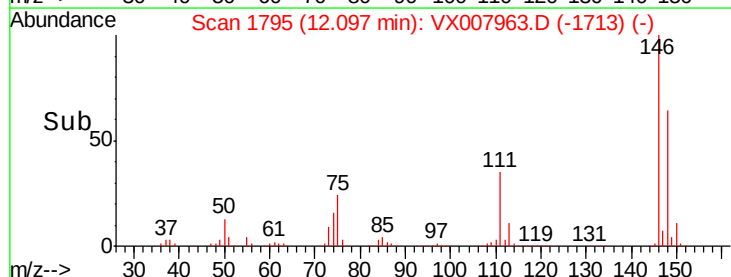
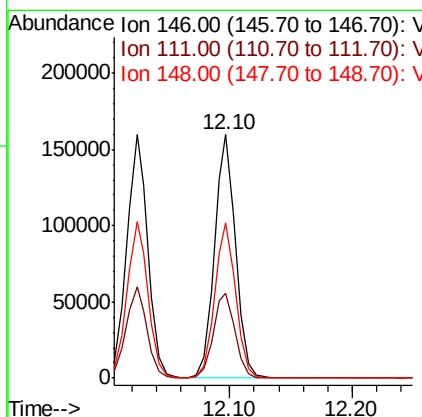
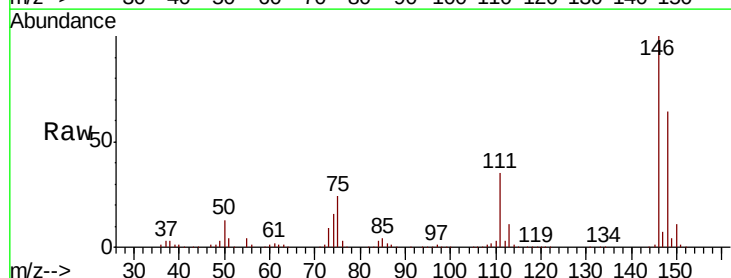
MMDadoda

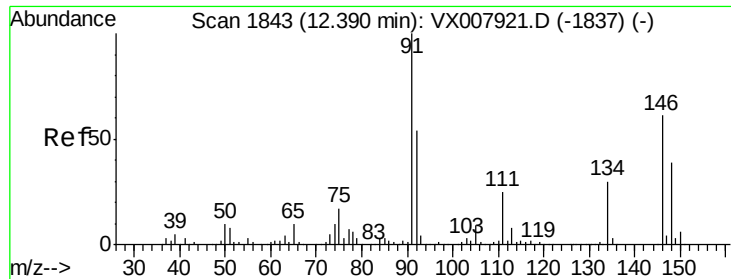
3/12/2019 1:09:59 PM



#84
 1,4-Dichlorobenzene
 Concen: 23.379 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.6	52.8
148	63.6	31.4	94.2





#85

n-Butylbenzene

Concen: 23.242 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

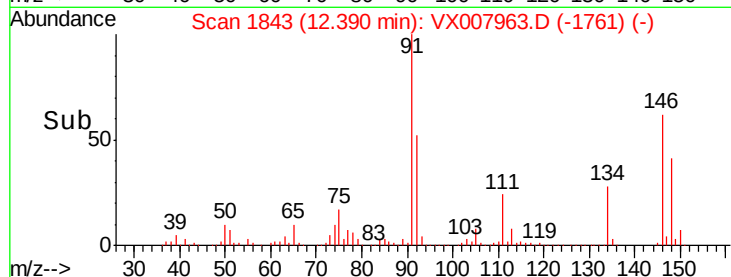
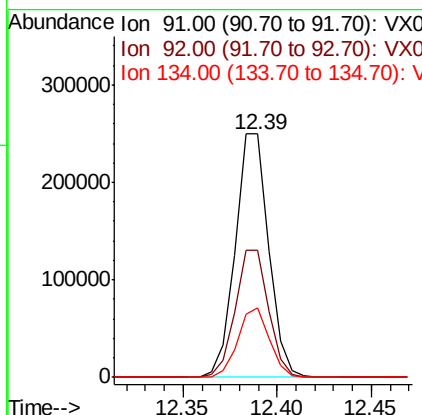
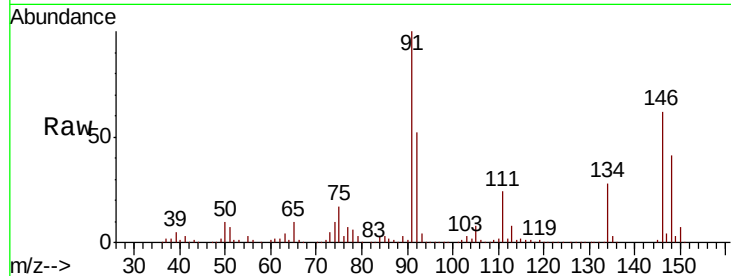
MSVOA_X

ClientSampled :

VX0311WBS01

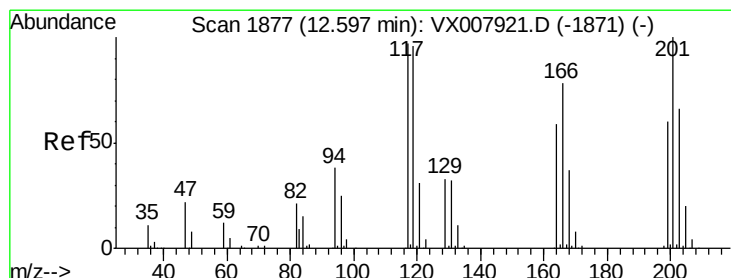
Tgt Ion:	91	Resp:	306855
Ion Ratio	Lower	Upper	
91	100		
92	52.5	0.0	105.2
134	27.1	0.0	56.4

Manual Integrations
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3/12/2019 1:09:59 PM



#86

Hexachloroethane

Concen: 23.843 ug/l

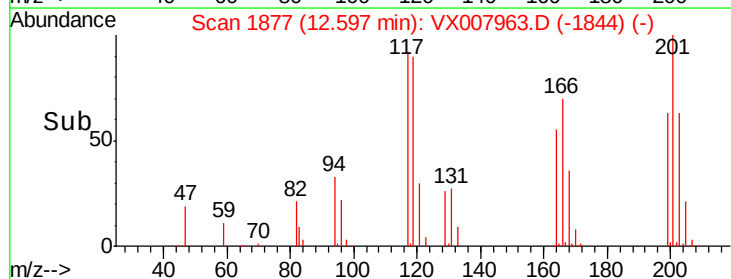
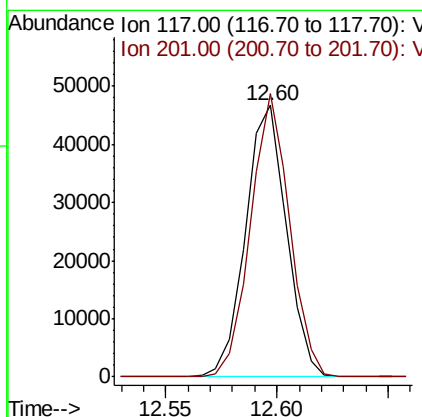
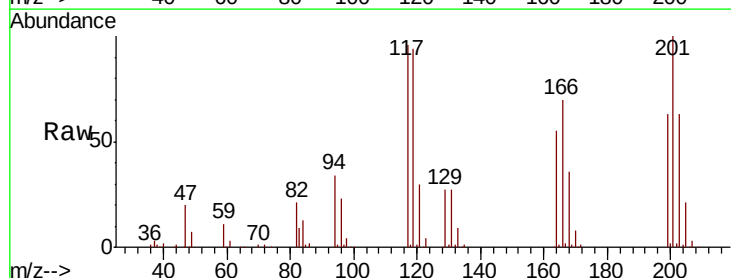
RT: 12.60 min Scan# 1877

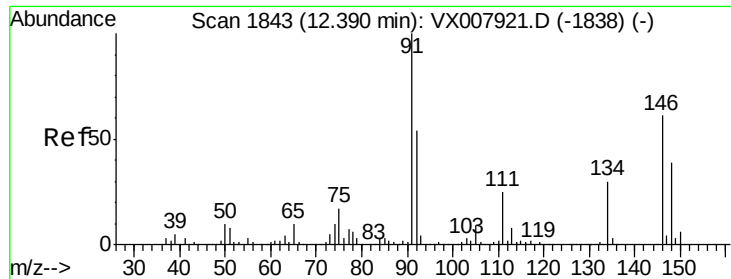
Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Tgt Ion:	117	Resp:	59974
Ion Ratio	Lower	Upper	
117	100		
201	98.8	41.1	123.3



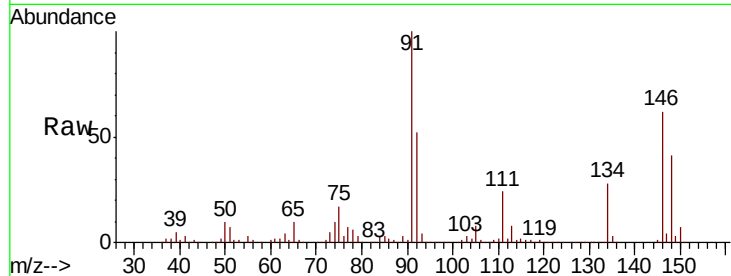


#87
 1,2-Dichlorobenzene
 Concen: 23.306 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	64.9	32.1	96.3

Manual Integrations
 APPROVED

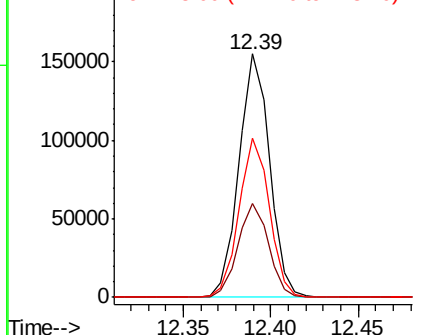


Abundance

Ion 146.00 (145.70 to 146.70): V

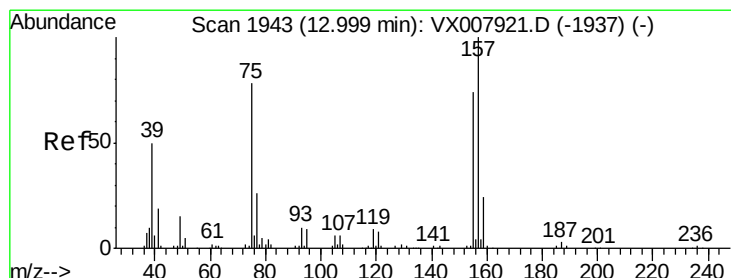
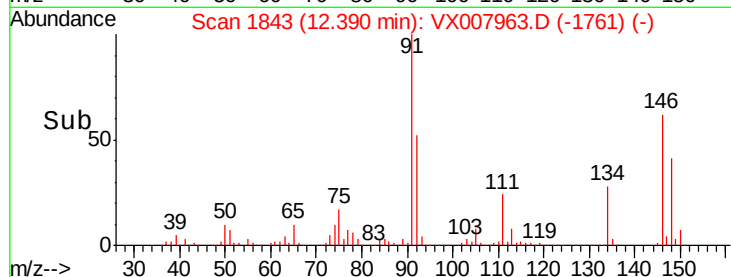
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



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3/12/2019 1:09:59 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.950 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

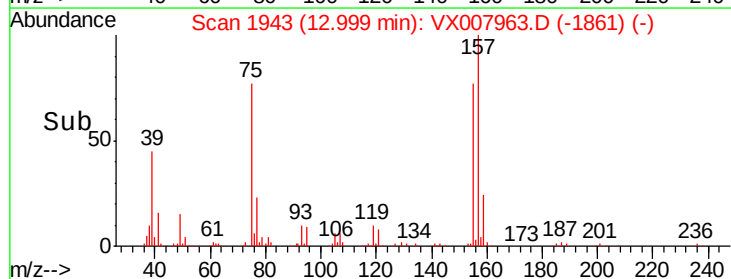
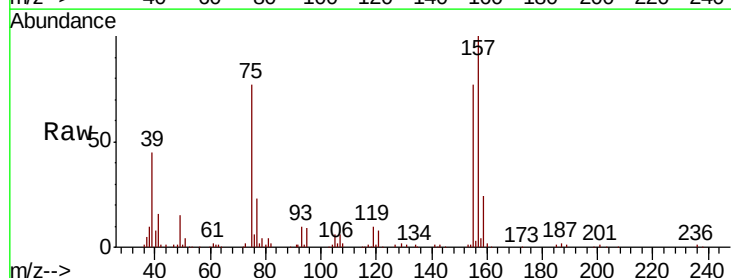
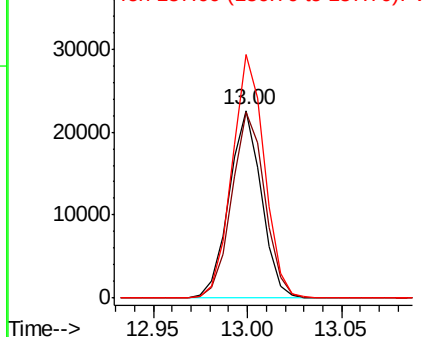
Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	81.0	121.6
157	129.4	103.2	154.8

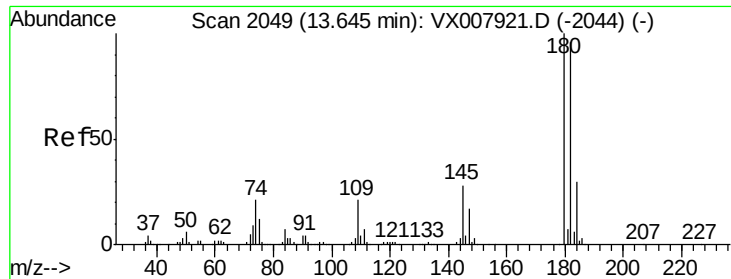
Abundance

Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



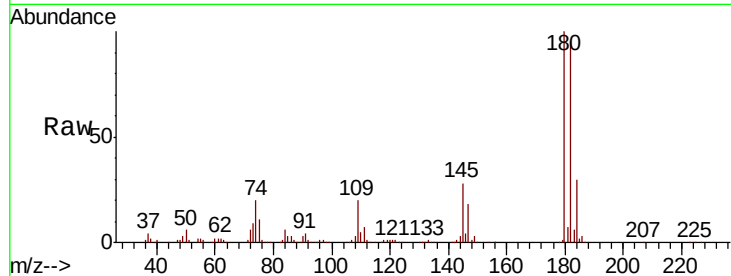


#89
1,2,4-Trichlorobenzene
Concen: 23.414 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136638		
182	94.8	75.6	113.4	
145	28.3	23.0	34.6	

Manual Integrations
APPROVED

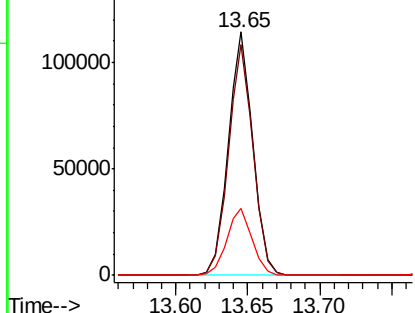
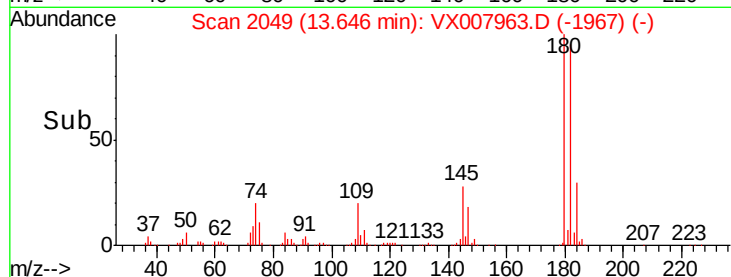


Abundance

Ion 180.00 (179.70 to 180.70): V

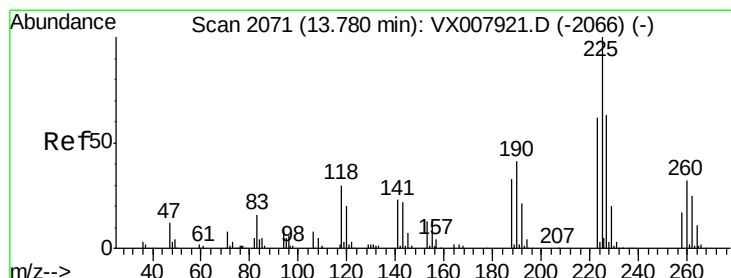
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



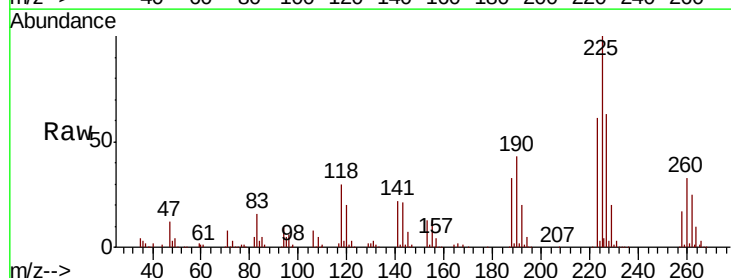
MMDadoda

3/12/2019 1:09:59 PM



#90
Hexachlorobutadiene
Concen: 23.286 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74946		
223	61.4	0.0	123.8	
227	64.0	0.0	124.4	

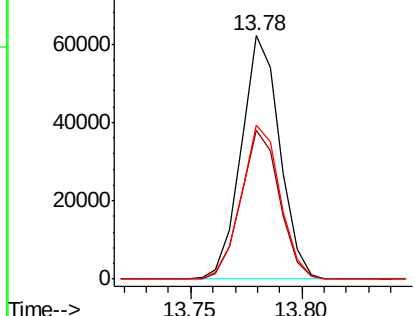
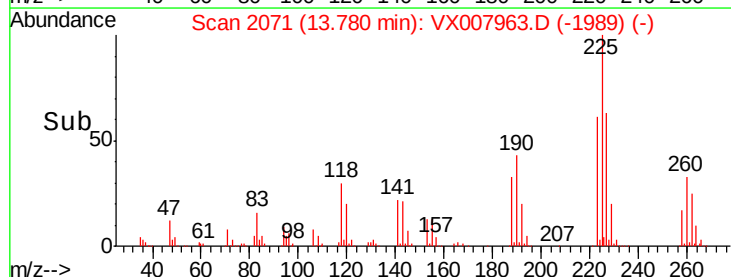


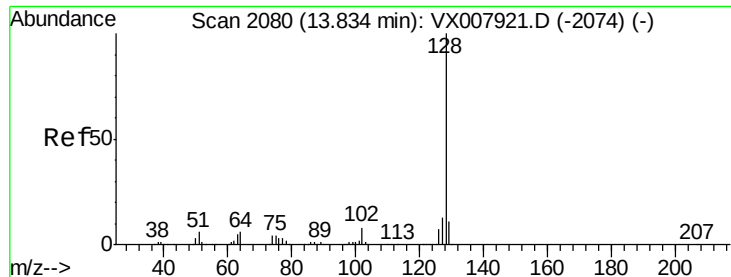
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



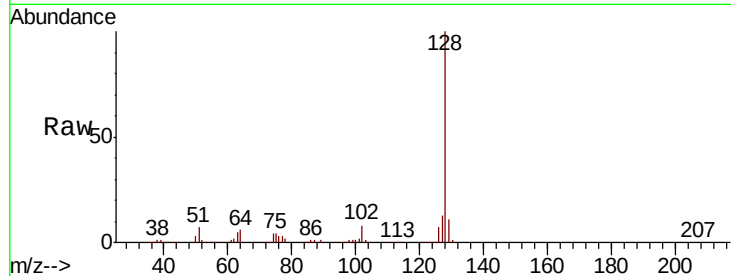


#91
Naphthalene
Concen: 23.288 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	389566		
127	12.9	10.5	15.7	
129	10.9	8.9	13.3	

Manual Integrations
APPROVED

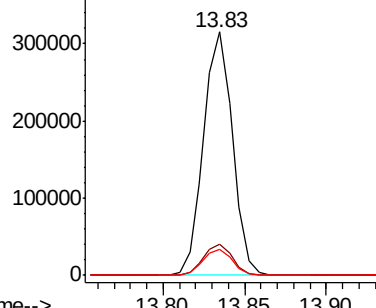


Abundance

Ion 128.00 (127.70 to 128.70): V

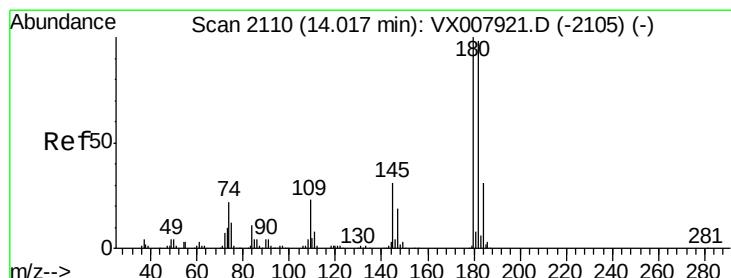
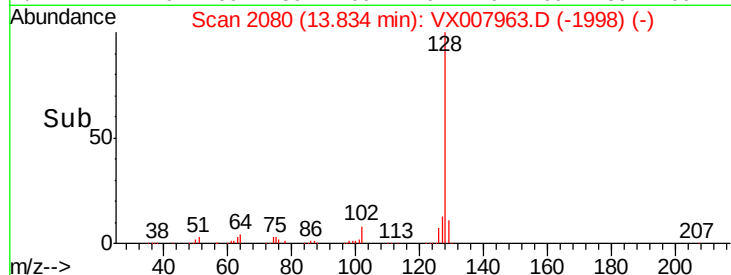
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



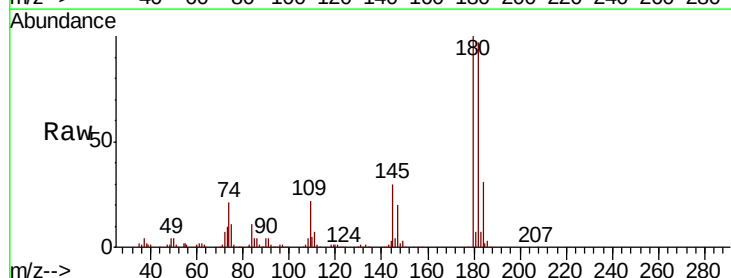
MMDadoda

3/12/2019 1:09:59 PM



#92
1,2,3-Trichlorobenzene
Concen: 23.153 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134297		
182	97.1	0.0	193.0	
145	29.7	0.0	63.0	



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

