

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
 Data File : VX011422.D
 Acq On : 11 Aug 2019 11:35
 Operator : JC/SP
 Sample : VX0811WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:24 AM

Quant Time: Aug 12 08:04:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	248222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	357017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	333625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	177721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	146346	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	
35) Dibromofluoromethane	5.49	113	127065	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
50) Toluene-d8	8.71	98	478953	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
62) 4-Bromofluorobenzene	11.13	95	183470	58.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	35039	18.277	ug/l	100
3) Chloromethane	1.32	50	36800	17.094	ug/l	100
4) Vinyl Chloride	1.40	62	39634	16.737	ug/l	95
5) Bromomethane	1.63	94	27667	16.381	ug/l	98
6) Chloroethane	1.71	64	28417	17.690	ug/l	98
7) Trichlorofluoromethane	1.92	101	75651	17.967	ug/l	100
8) Diethyl Ether	2.18	74	26125	17.376	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	43890	19.264	ug/l	97
10) Methyl Iodide	2.50	142	45004	15.668	ug/l	95
11) Tert butyl alcohol	3.03	59	53798	107.940	ug/l	99
12) 1,1-Dichloroethene	2.37	96	40573	17.965	ug/l	89
13) Acrolein	2.28	56	13411	42.943	ug/l	95
14) Allyl chloride	2.72	41	61672	20.484	ug/l	96
15) Acrylonitrile	3.13	53	114232	96.033	ug/l	98
16) Acetone	2.43	43	121709	102.292	ug/l	99
17) Carbon Disulfide	2.56	76	92757	17.502	ug/l	99
18) Methyl Acetate	2.76	43	54908	20.194	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	137740	20.696	ug/l	100
20) Methylene Chloride	2.85	84	47533	18.241	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	44342	18.561	ug/l	93
22) Diisopropyl ether	3.84	45	132735	20.059	ug/l	96
23) Vinyl Acetate	3.80	43	578135	105.339	ug/l	98
24) 1,1-Dichloroethane	3.68	63	77908	19.967	ug/l	98
25) 2-Butanone	4.66	43	167082	98.718	ug/l	100
26) 2,2-Dichloropropane	4.57	77	67332	22.199	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	52285	19.001	ug/l	96
28) Bromochloromethane	5.00	49	36405	20.466	ug/l	97
29) Tetrahydrofuran	5.12	42	97820	94.260	ug/l	100
30) Chloroform	5.20	83	85797	20.231	ug/l	97
31) Cyclohexane	5.57	56	62197	19.321	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	74770	20.582	ug/l	97
36) 1,1-Dichloropropene	5.79	75	60183	19.307	ug/l	99
37) Ethyl Acetate	4.82	43	59724	19.101	ug/l	99
38) Carbon Tetrachloride	5.77	117	66943	21.347	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70216	19.004	ug/l	98
40) Benzene	6.13	78	180859	19.444	ug/l	98
41) Methacrylonitrile	5.03	41	34434	20.166	ug/l	97
42) 1,2-Dichloroethane	6.18	62	68548	21.793	ug/l	97
43) Isopropyl Acetate	6.43	43	101817	20.368	ug/l	99
44) Trichloroethene	7.20	130	53276	18.923	ug/l	96
45) 1,2-Dichloropropane	7.51	63	46716	19.393	ug/l	97
46) Dibromomethane	7.65	93	34150	19.419	ug/l	98
47) Bromodichloromethane	7.89	83	64288	21.592	ug/l	99
48) Methyl methacrylate	7.76	41	47929	20.373	ug/l	98
49) 1,4-Dioxane	7.73	88	24312	356.473	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	324632	100.628	ug/l	100
52) Toluene	8.78	92	121951	19.830	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	67477	21.194	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	73594	21.160	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51042	20.186	ug/l	99
56) Ethyl methacrylate	9.17	69	74341	20.631	ug/l	98
57) 1,3-Dichloropropane	9.37	76	79902	19.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	171272	96.668	ug/l	99
59) 2-Hexanone	9.49	43	256614	102.695	ug/l	98
60) Dibromochloromethane	9.58	129	54220	20.944	ug/l	100
61) 1,2-Dibromoethane	9.66	107	53761	19.679	ug/l	100
64) Tetrachloroethene	9.33	164	54216	19.135	ug/l	95
65) Chlorobenzene	10.13	112	139040	19.437	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	51249	20.927	ug/l	99
67) Ethyl Benzene	10.25	91	241953	20.196	ug/l	98
68) m/p-Xylenes	10.35	106	184316	39.776	ug/l	97
69) o-Xylene	10.69	106	89502	19.658	ug/l	98
70) Styrene	10.71	104	154660	20.530	ug/l	97
71) Bromoform	10.85	173	40794	20.409	ug/l	99
73) Isopropylbenzene	11.01	105	245388	20.188	ug/l	99
74) N-amyl acetate	10.89	43	91361	20.802	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	78352	19.343	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	67848m	20.963	ug/l	
77) Bromobenzene	11.25	156	66045	19.595	ug/l	95
78) n-propylbenzene	11.35	91	273608	20.242	ug/l	99
79) 2-Chlorotoluene	11.41	91	163159	20.252	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	206716	20.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22329	21.282	ug/l	96
82) 4-Chlorotoluene	11.51	91	188607	20.088	ug/l	99
83) tert-Butylbenzene	11.77	119	201930	20.235	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	209270	20.658	ug/l	98
85) sec-Butylbenzene	11.94	105	238965	19.931	ug/l	99
86) p-Isopropyltoluene	12.06	119	223729	20.283	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	117992	19.813	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	117689	19.165	ug/l	97
89) n-Butylbenzene	12.38	91	193517	20.364	ug/l	99
90) Hexachloroethane	12.59	117	35380	21.696	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	115440	19.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16265	20.726	ug/l	93

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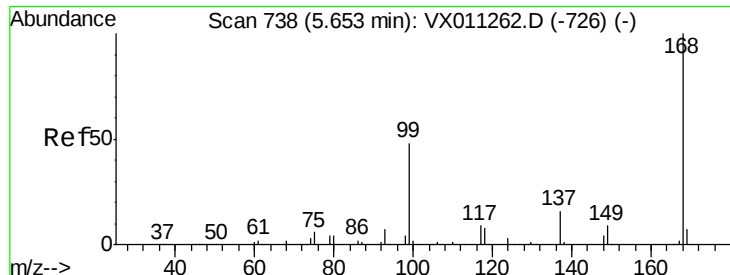
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	79537	20.043	ug/l	100
94) Hexachlorobutadiene	13.78	225	40639	20.185	ug/l	98
95) Naphthalene	13.83	128	233691	20.137	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	78533	19.466	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion:168 Resp: 248222

Ion Ratio Lower Upper

168 100

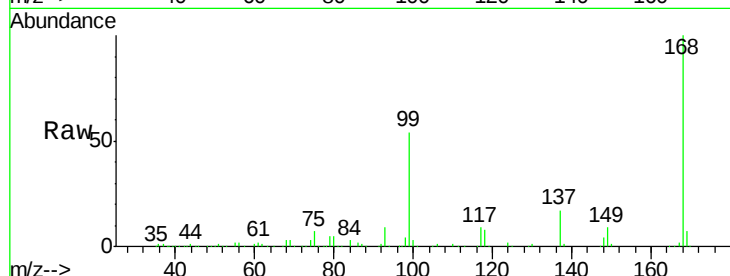
99 54.0 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

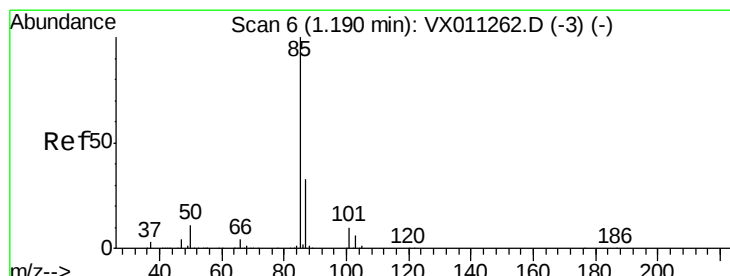
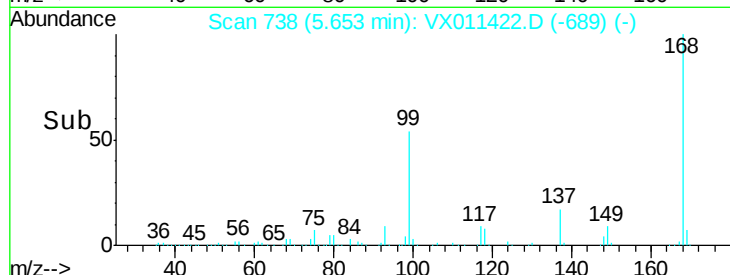
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.277 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011422.D

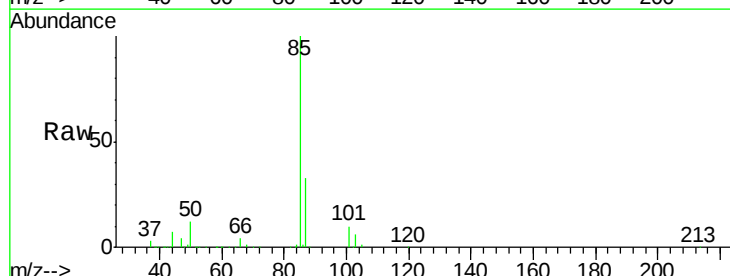
Acq: 11 Aug 2019 11:35

Tgt Ion: 85 Resp: 35039

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

30000

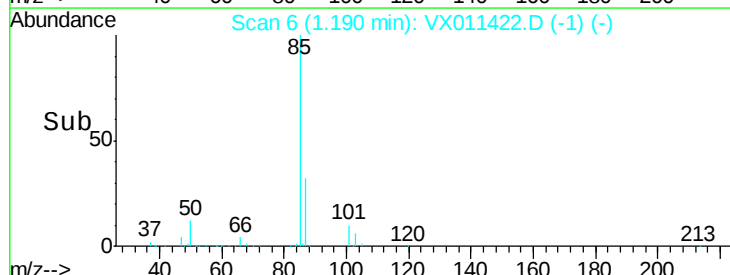
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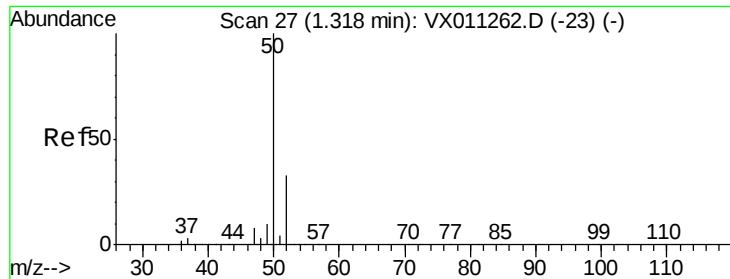
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.094 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 50 Resp: 36800

Ion Ratio Lower Upper

50 100

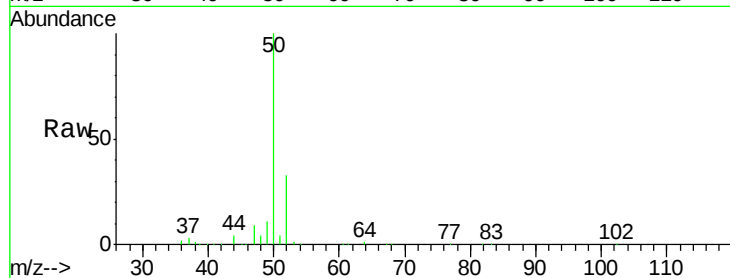
52 33.3 26.4 39.6

Manual Integrations

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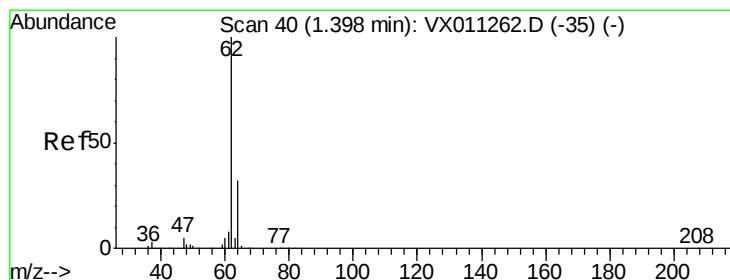
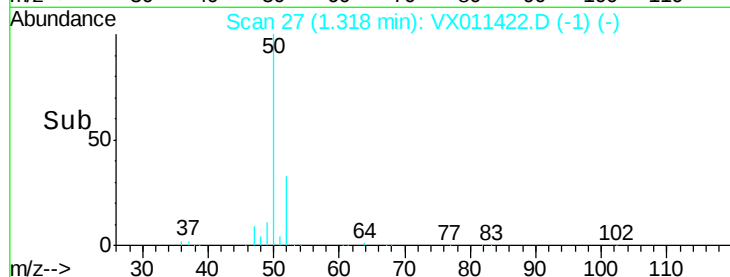
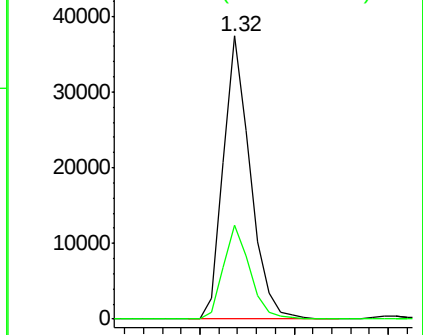
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.737 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011422.D

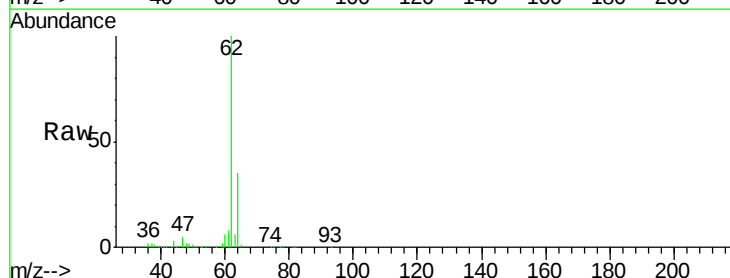
Acq: 11 Aug 2019 11:35

Tgt Ion: 62 Resp: 39634

Ion Ratio Lower Upper

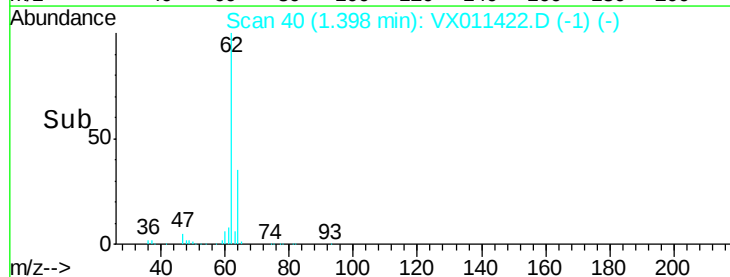
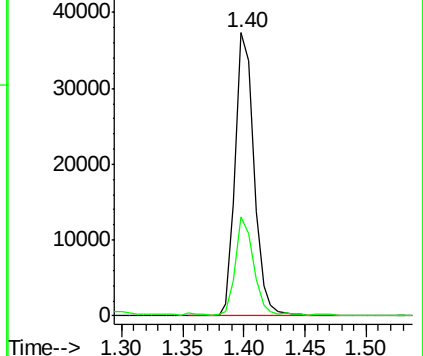
62 100

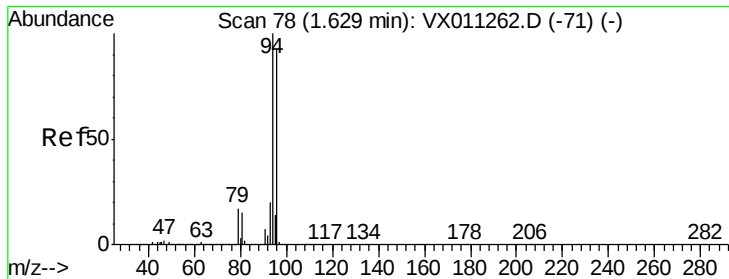
64 35.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.381 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 94 Resp: 27667

Ion Ratio Lower Upper

94 100

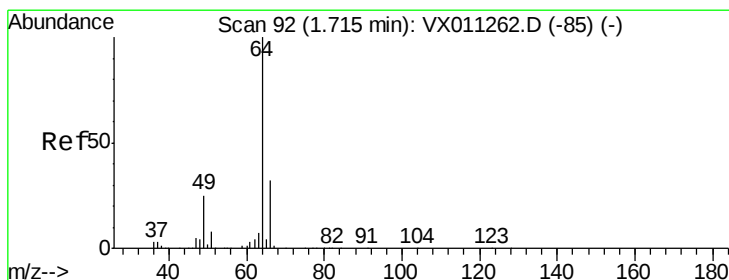
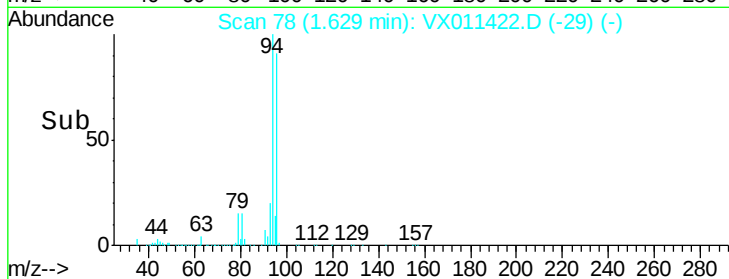
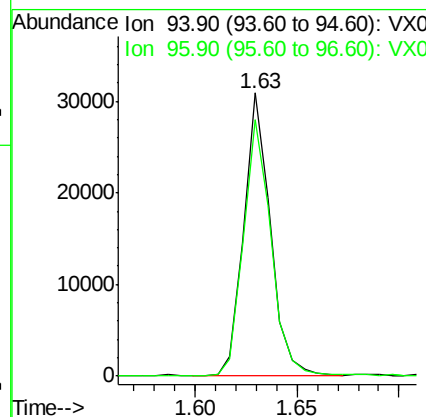
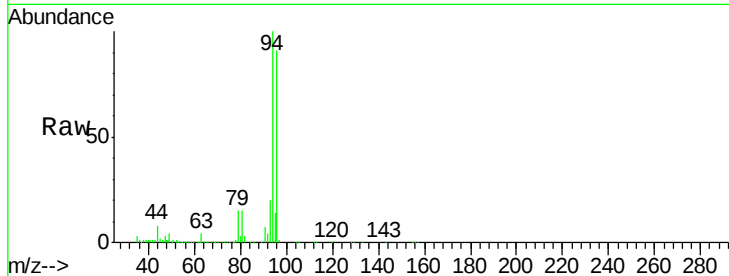
96 90.9 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 17.690 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011422.D

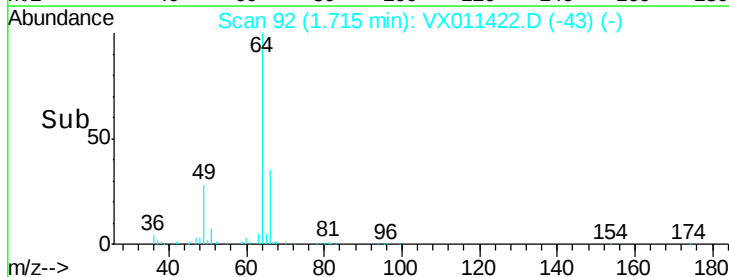
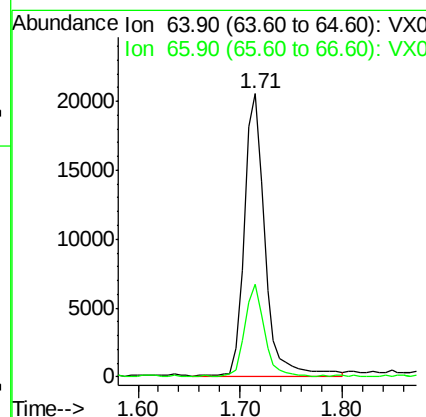
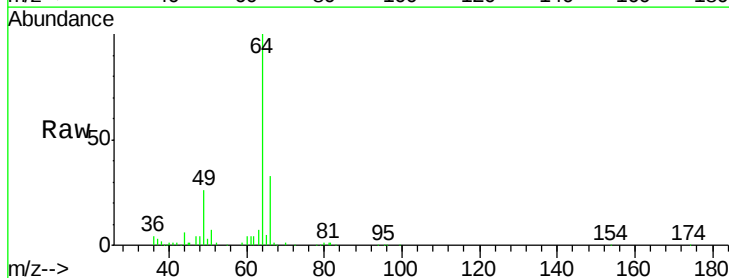
Acq: 11 Aug 2019 11:35

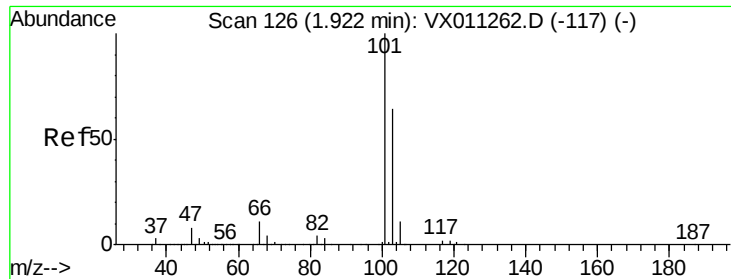
Tgt Ion: 64 Resp: 28417

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

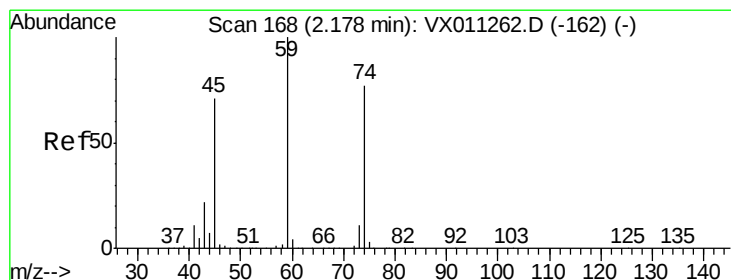
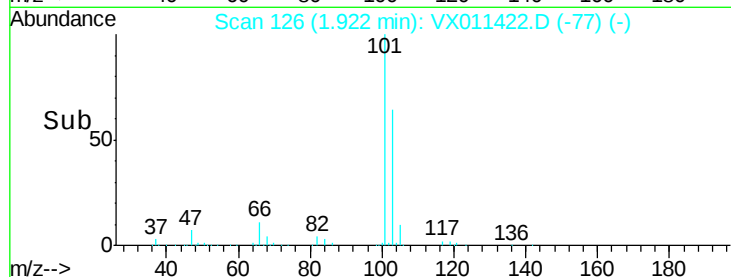
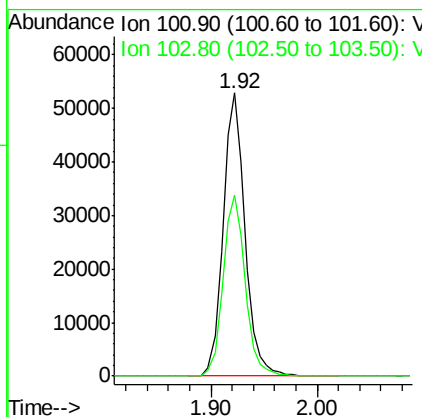
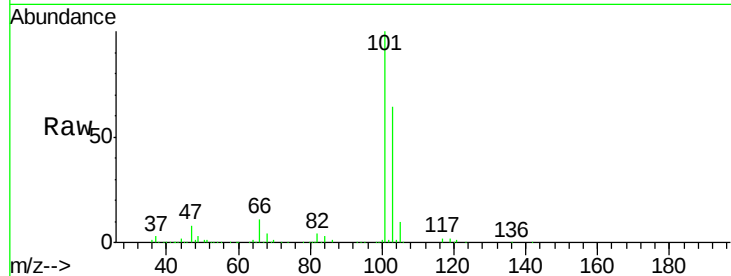
Trichlorofluoromethane
Concen: 17.967 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		75651		
103	63.8	50.9	76.3		

Manual Integrations
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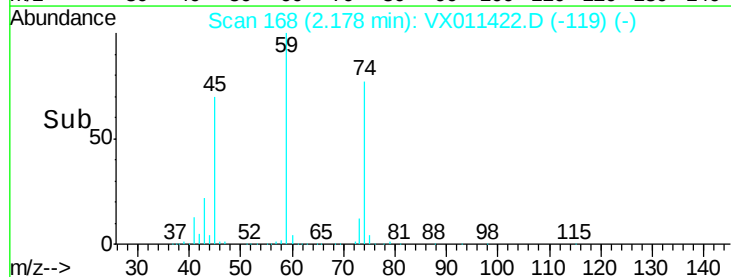
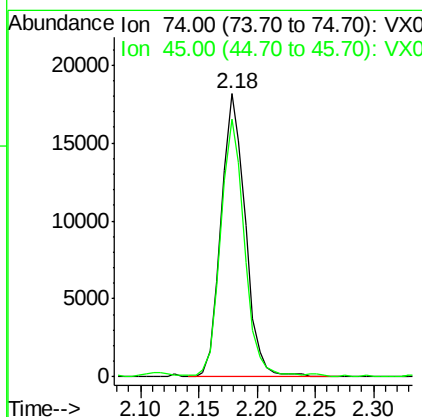
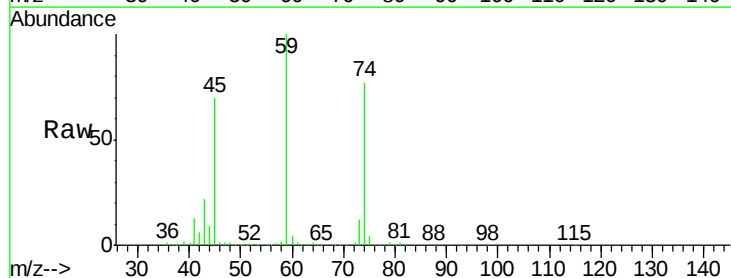
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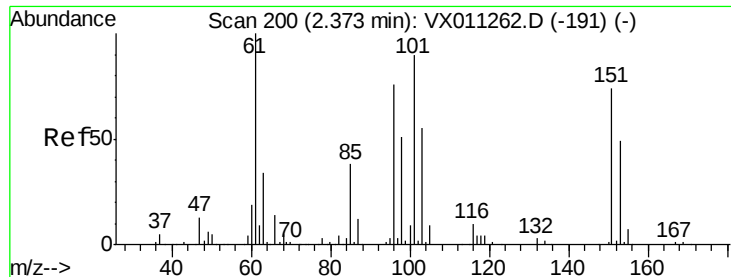


#8

Diethyl Ether
Concen: 17.376 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		26125		
45	87.1	46.1	138.3		





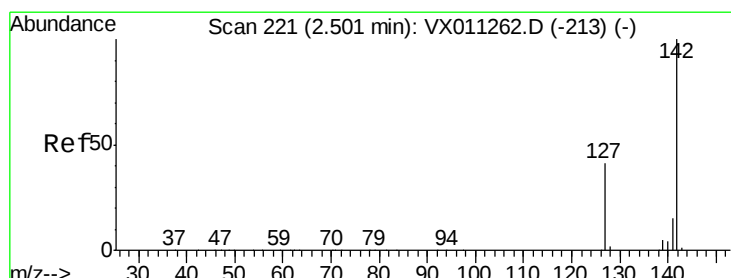
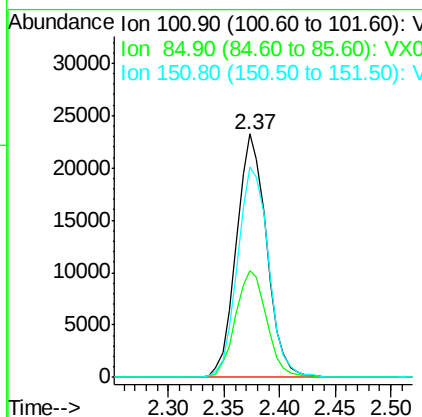
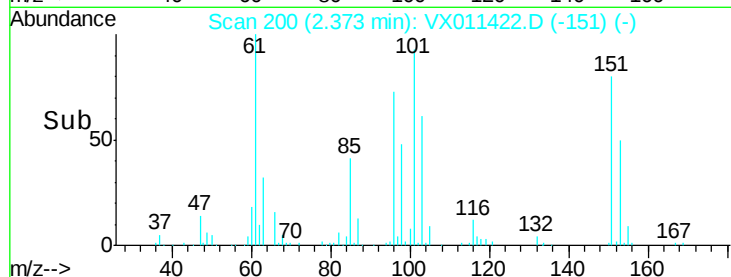
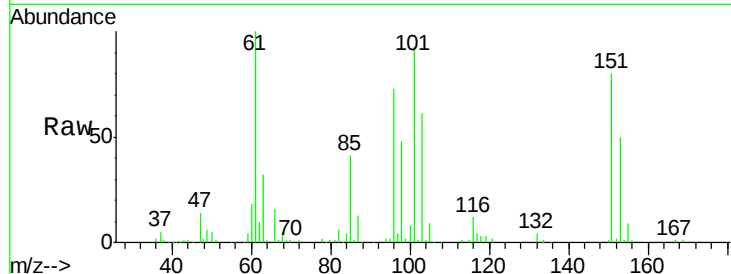
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.264 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	43890		
85	44.9	33.8	50.6	
151	88.5	69.5	104.3	

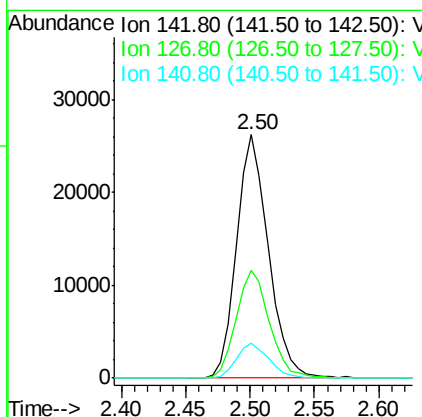
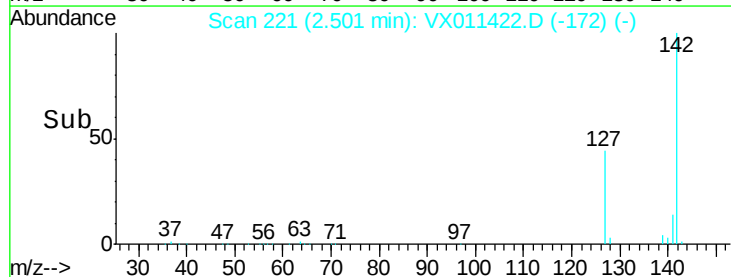
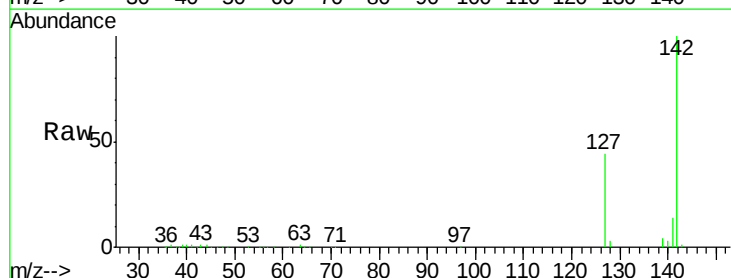
Manual Integrations
 APPROVED

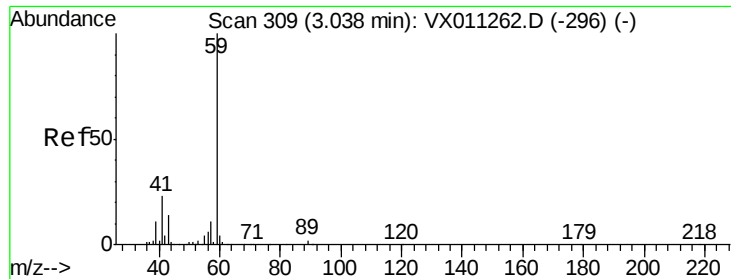
MMDadoda
 8/12/2019 10:30:24 AM



#10
 Methyl Iodide
 Concen: 15.668 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	45004		
127	46.0	33.8	50.8	
141	14.7	11.4	17.2	





#11

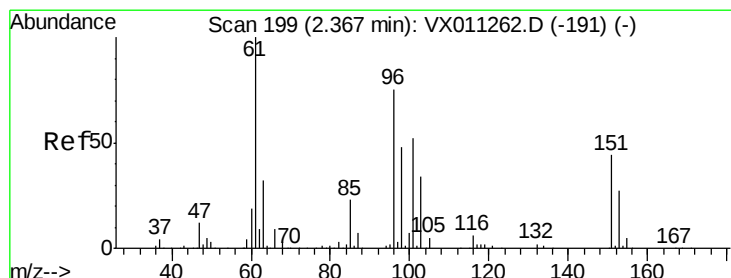
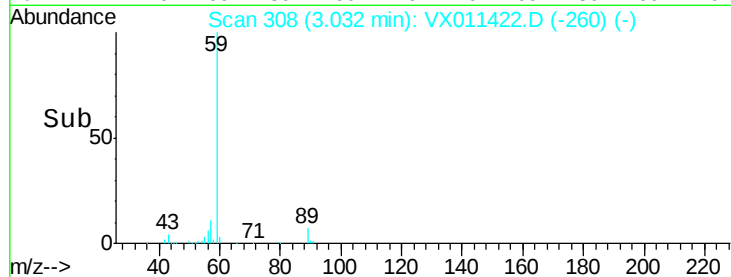
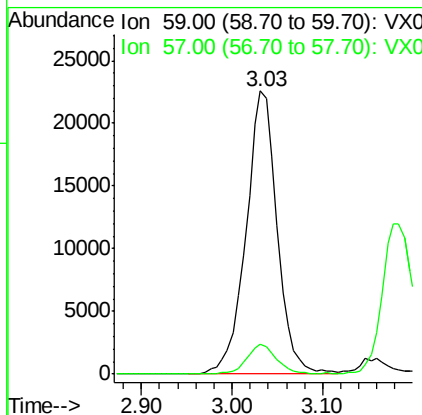
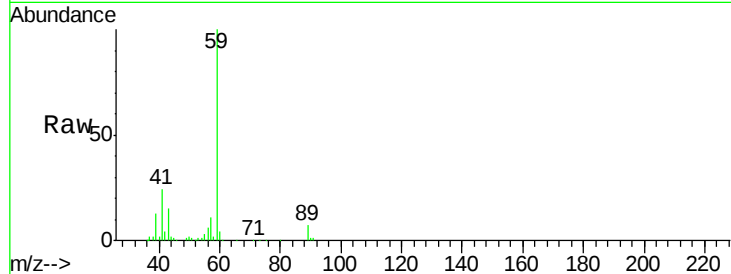
Tert butyl alcohol
Concen: 107.940 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampled :
VX0811WBS01

Tot Ion	59	Resp	53798
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

Manual Integrations
APPROVED

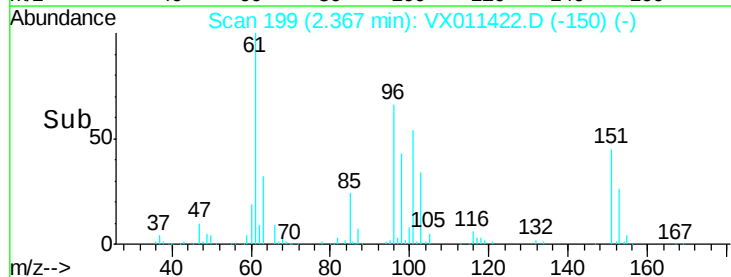
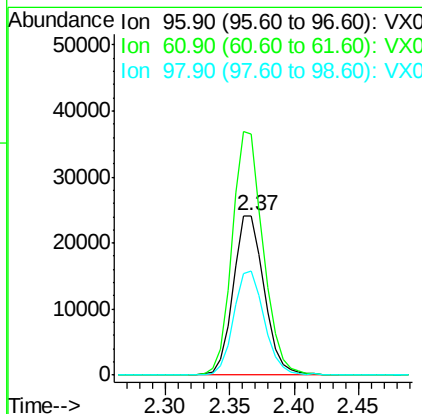
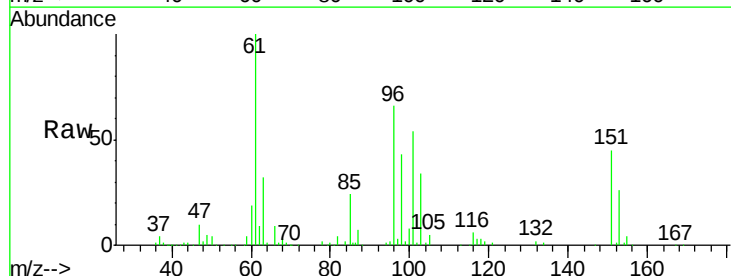
MMDadoda
8/12/2019 10:30:24 AM

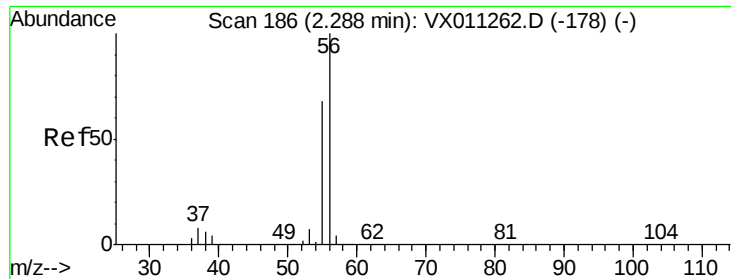


#12

1,1-Dichloroethene
Concen: 17.965 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	96	Resp	40573
Ion Ratio	100	Lower	Upper
61	150.9	106.2	159.2
98	65.1	50.6	75.8





#13

Acrolein

Concen: 42.943 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 56 Resp: 13411

Ion Ratio Lower Upper

56 100

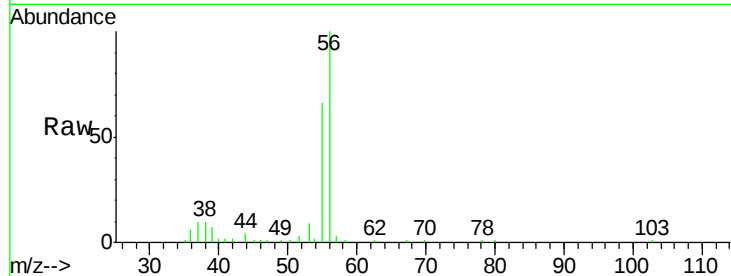
55 74.3 56.0 84.0

Manual Integrations

APPROVED

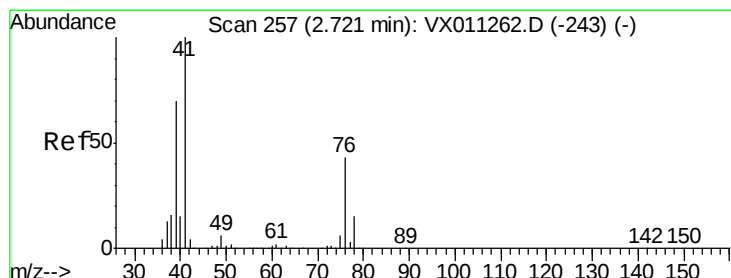
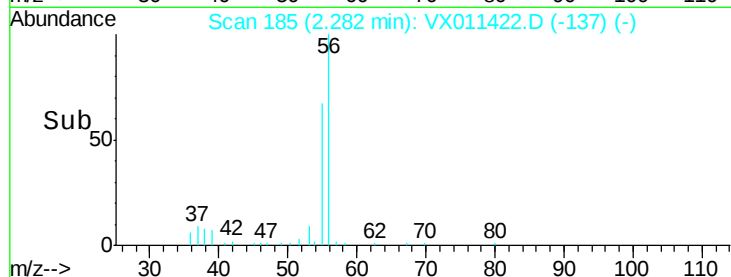
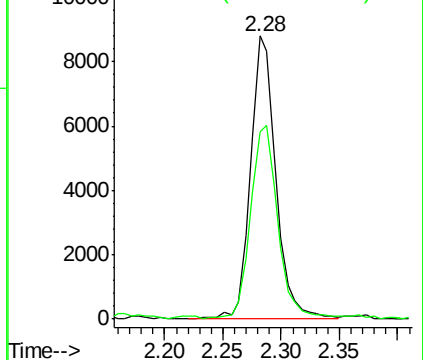
MMDadoda

8/12/2019 10:30:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.484 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

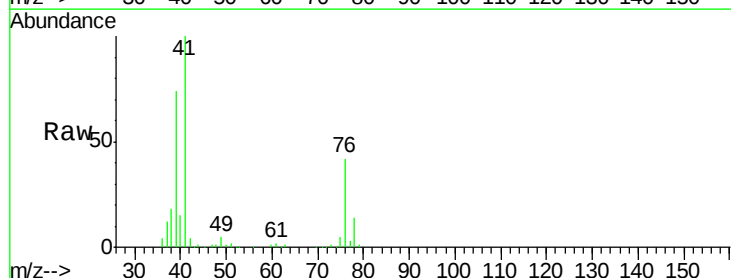
Tgt Ion: 41 Resp: 61672

Ion Ratio Lower Upper

41 100

39 70.0 52.8 79.2

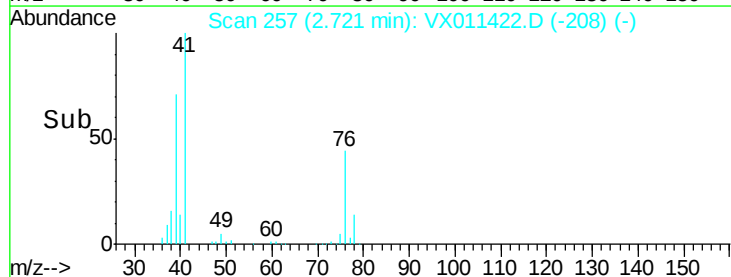
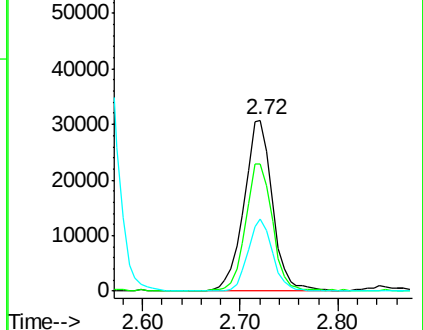
76 36.8 31.1 46.7

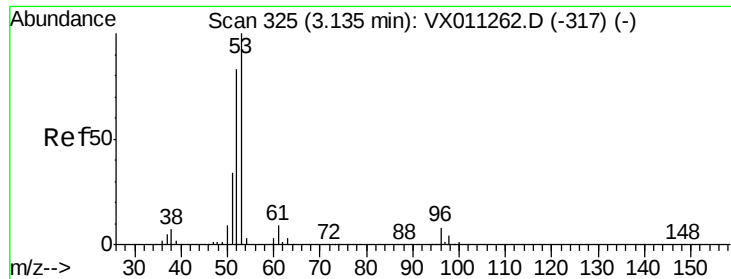


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 96.033 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

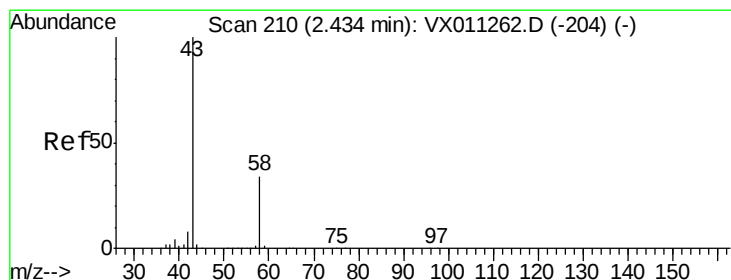
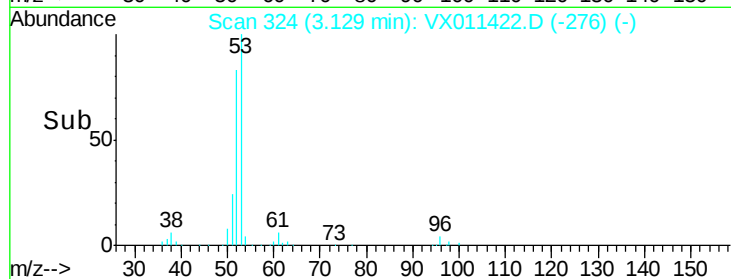
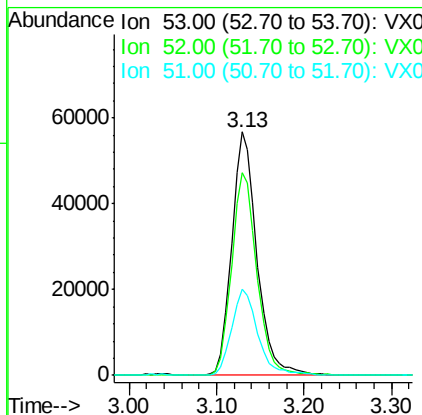
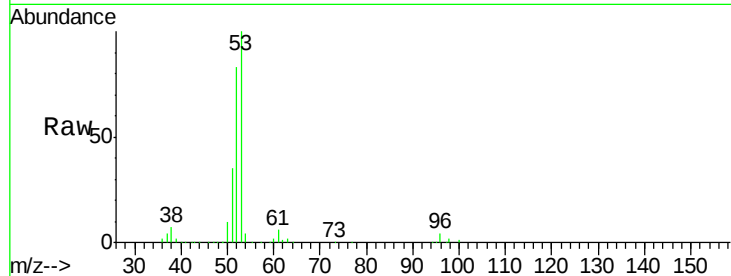
ClientSampleId :

VX0811WBS01

Tot Ion:	53	Resp:	114232
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.5	98.3
51	36.6	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 102.292 ug/l

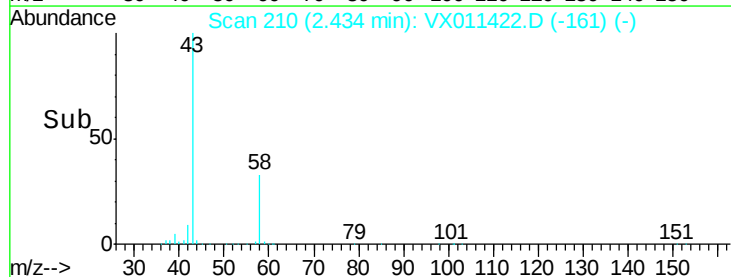
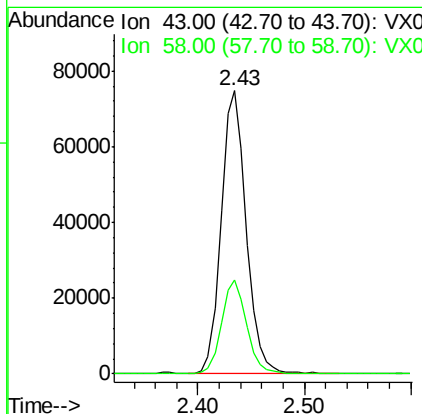
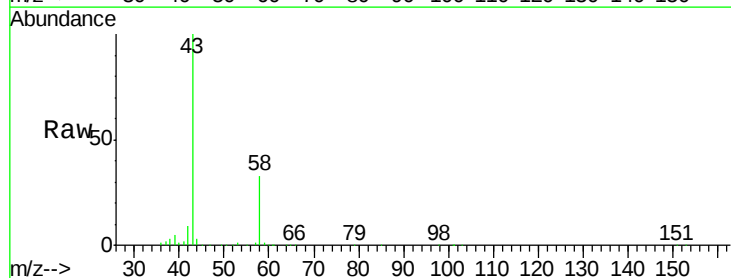
RT: 2.43 min Scan# 210

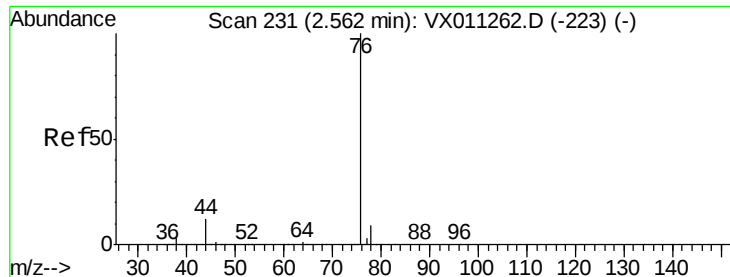
Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion:	43	Resp:	121709
Ion Ratio		Lower	Upper
43	100		
58	33.3	27.4	41.0





#17

Carbon Disulfide

Concen: 17.502 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 76 Resp: 92757

Ion Ratio Lower Upper

76 100

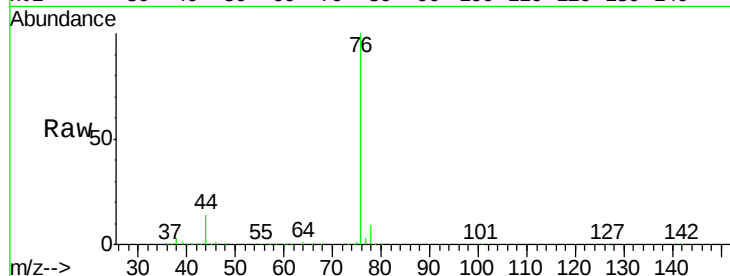
78 9.5 7.4 11.0

Manual Integrations

APPROVED

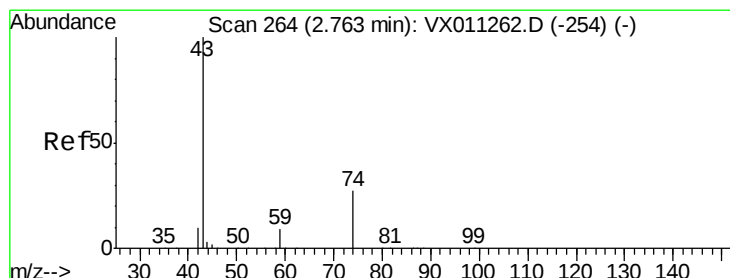
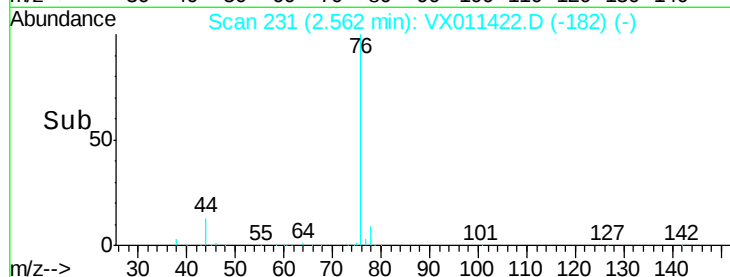
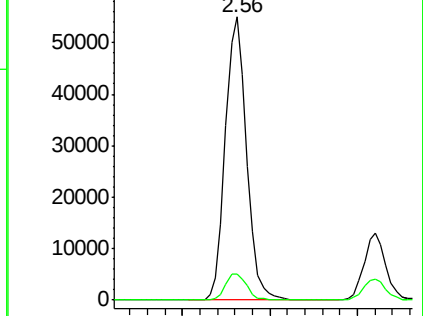
MMDadoda

8/12/2019 10:30:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.194 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011422.D

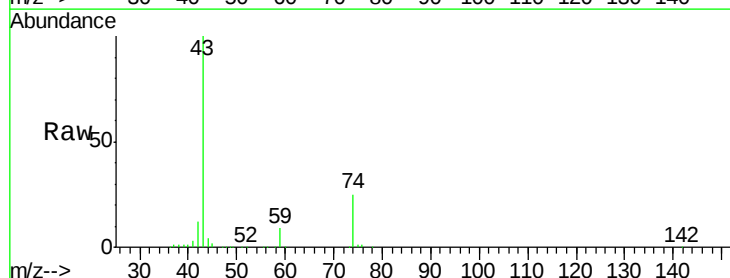
Acq: 11 Aug 2019 11:35

Tgt Ion: 43 Resp: 54908

Ion Ratio Lower Upper

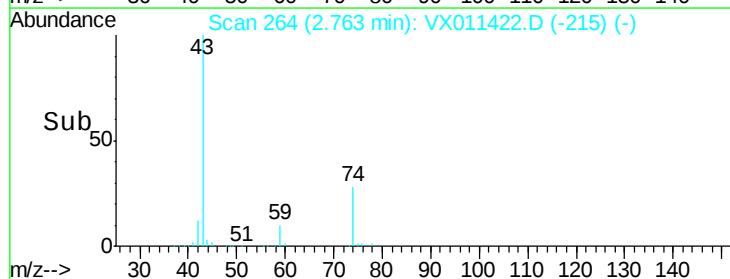
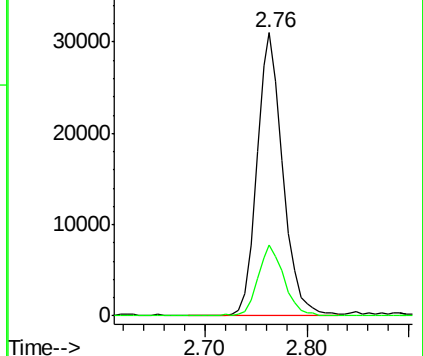
43 100

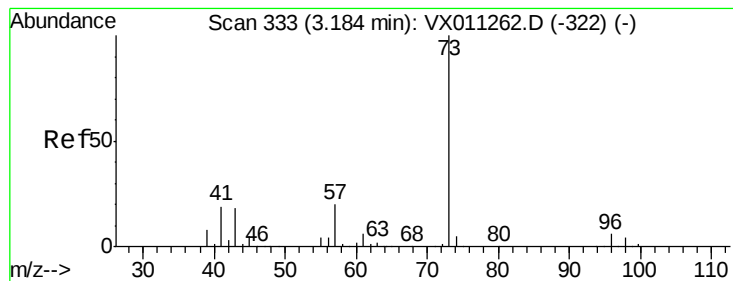
74 25.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

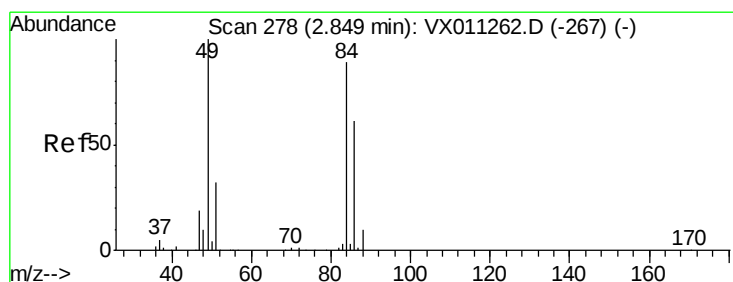
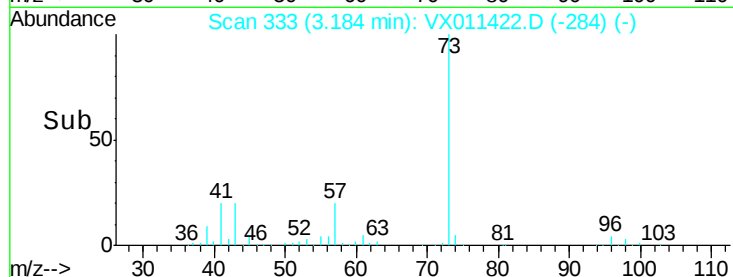
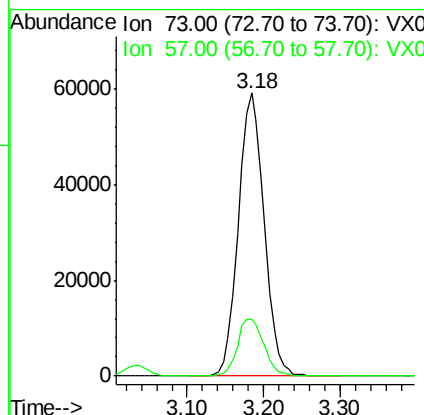
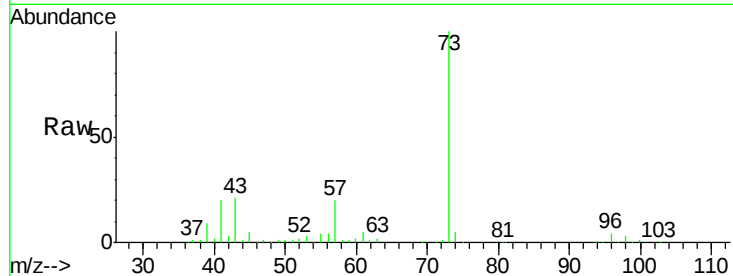
Methyl tert-butyl Ether
 Concen: 20.696 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	73	Resp	137740
Ion Ratio	100	Lower	Upper
73	100	16.2	24.2
57	20.2		

Manual Integrations
 APPROVED

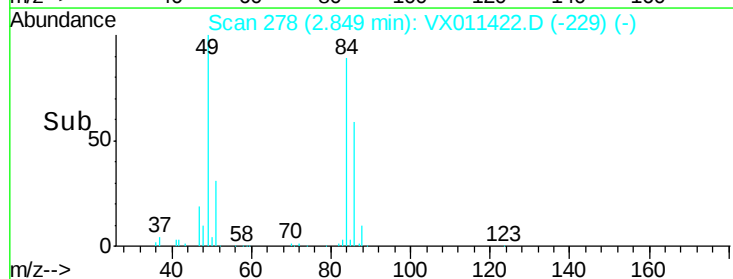
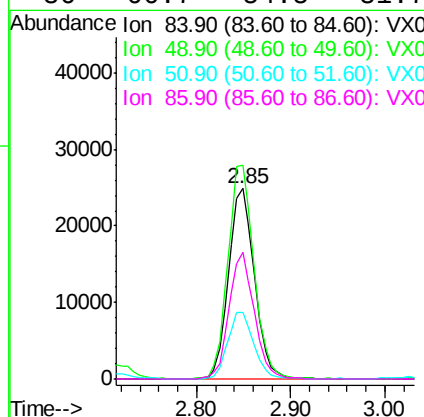
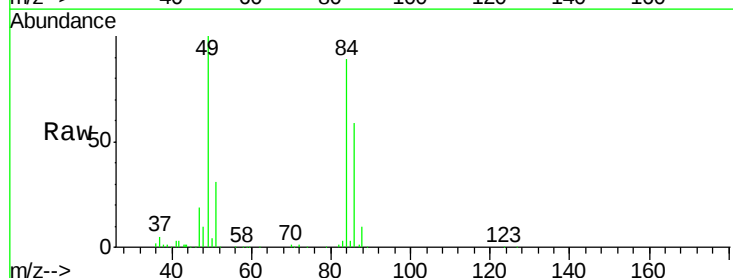
MMDadoda
 8/12/2019 10:30:24 AM

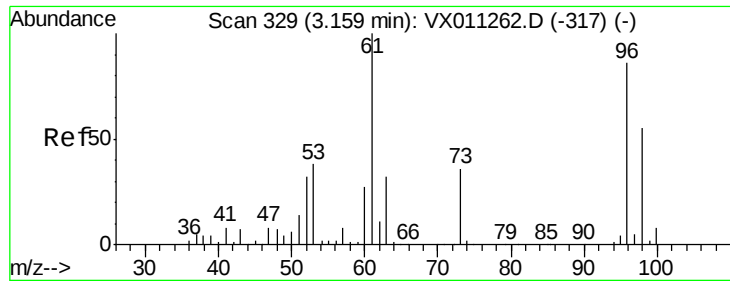


#20

Methylene Chloride
 Concen: 18.241 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	84	Resp	47533
Ion Ratio	100	Lower	Upper
84	100	54.5	81.7
49	111.9	89.3	133.9
51	35.1	28.3	42.5
86	66.7		





#21

trans-1,2-Dichloroethene

Concen: 18.561 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 96 Resp: 44342

Ion Ratio Lower Upper

96 100

61 125.6 92.8 139.2

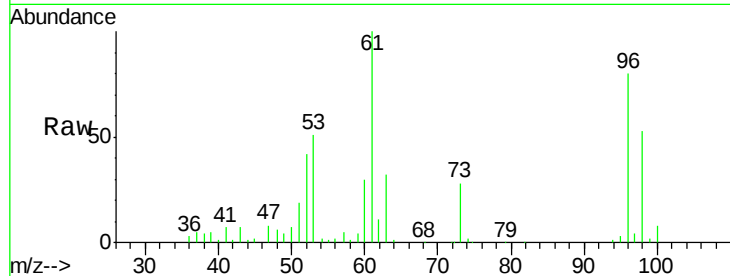
98 66.7 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

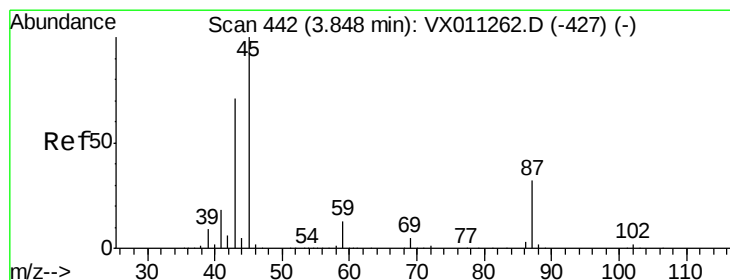
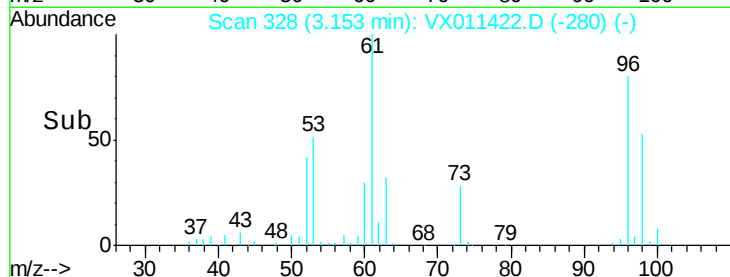
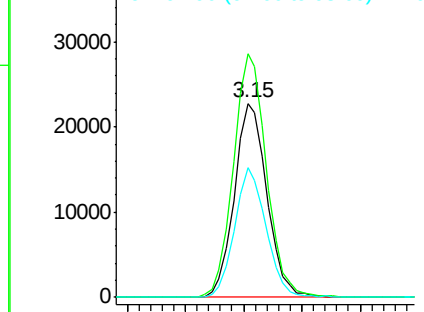
8/12/2019 10:30:24 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.059 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion: 45 Resp: 132735

Ion Ratio Lower Upper

45 100

43 76.3 56.8 85.2

87 31.5 25.8 38.6

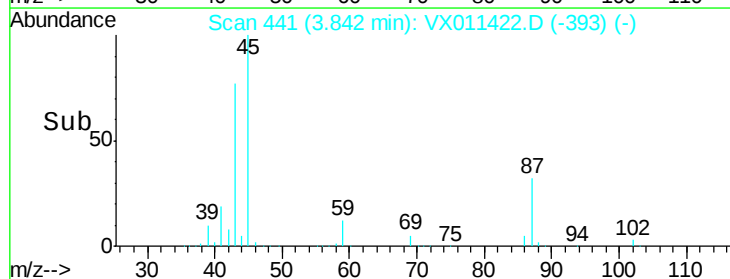
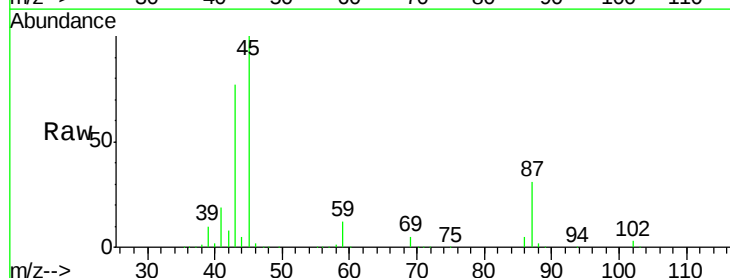
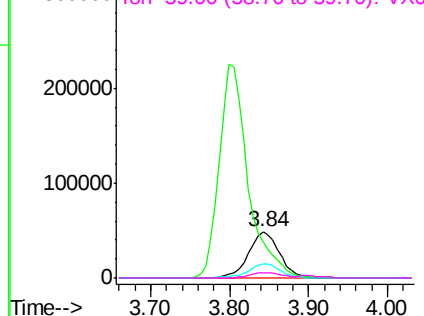
59 12.3 10.3 15.5

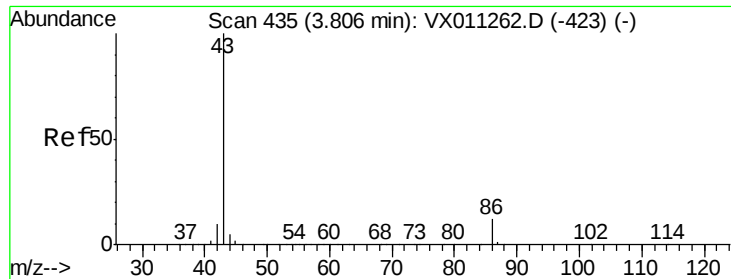
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#23

Vinyl Acetate

Concen: 105.339 ug/l

RT: 3.80 min Scan# 434

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 43 Resp: 578135

Ion Ratio Lower Upper

43 100

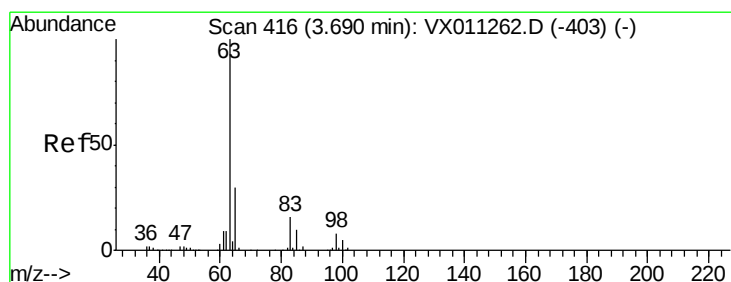
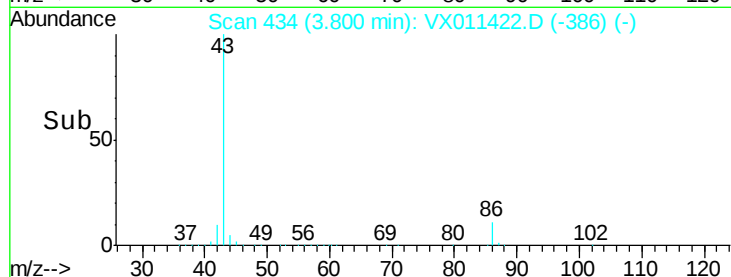
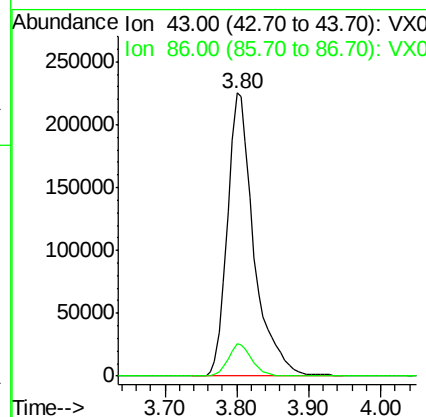
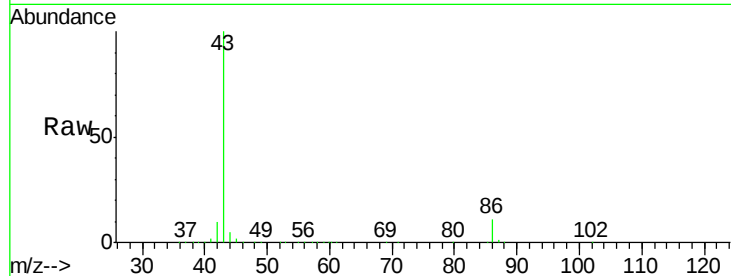
86 11.3 9.6 14.4

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:24 AM



#24

1,1-Dichloroethane

Concen: 19.967 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

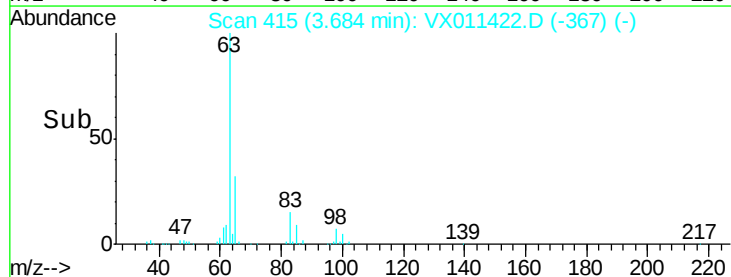
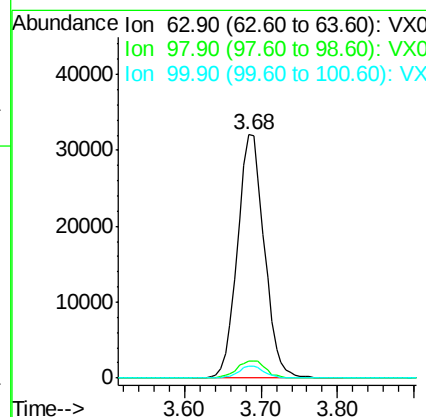
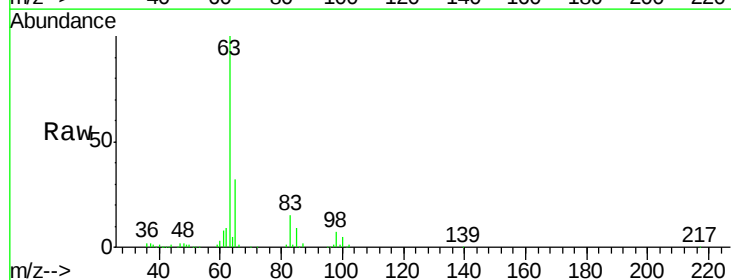
Tgt Ion: 63 Resp: 77908

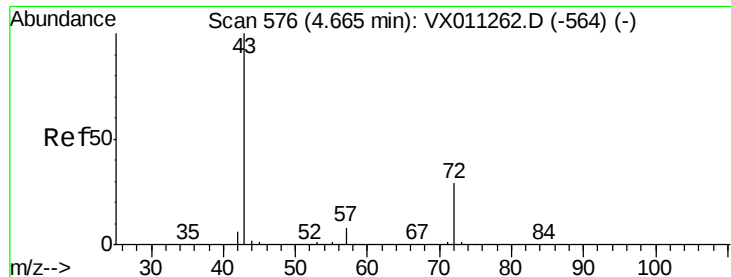
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 5.1 2.7 8.1





#25

2-Butanone

Concen: 98.718 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 43 Resp: 167082

Ion Ratio Lower Upper

43 100

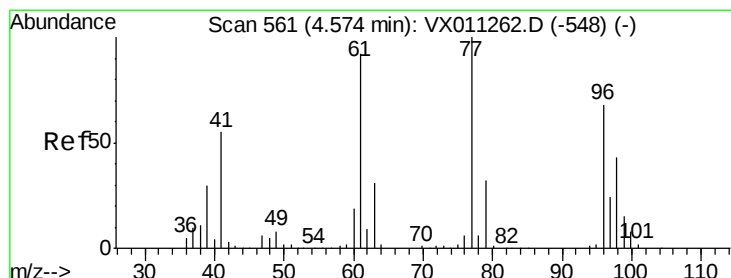
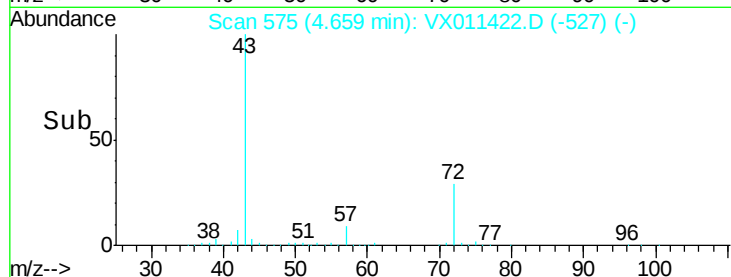
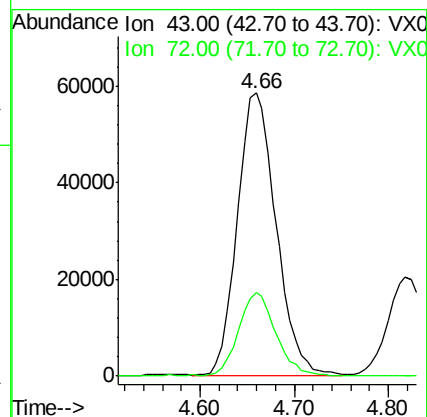
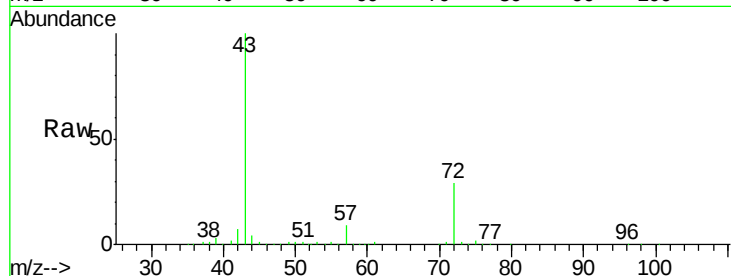
72 29.2 23.2 34.8

Manual Integrations

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8/12/2019 10:30:24 AM



#26

2,2-Dichloropropane

Concen: 22.199 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011422.D

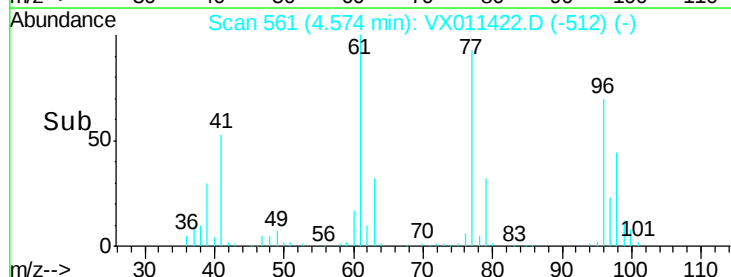
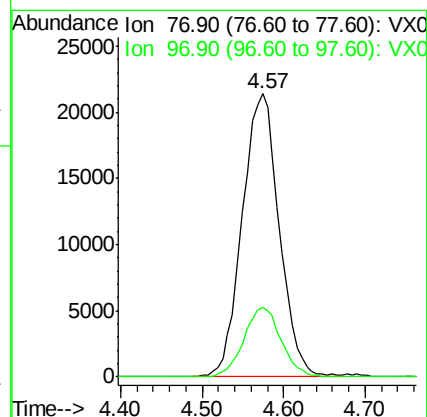
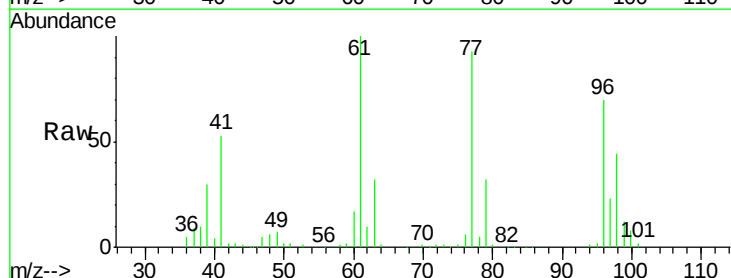
Acq: 11 Aug 2019 11:35

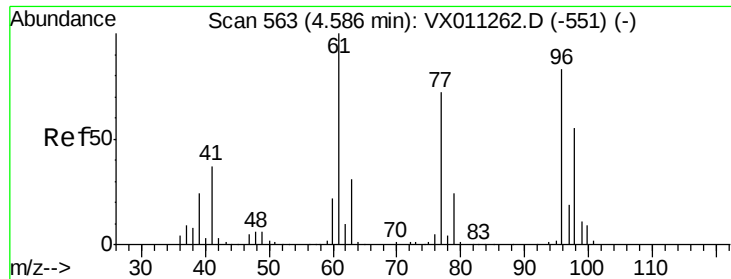
Tgt Ion: 77 Resp: 67332

Ion Ratio Lower Upper

77 100

97 24.6 12.8 38.4





#27

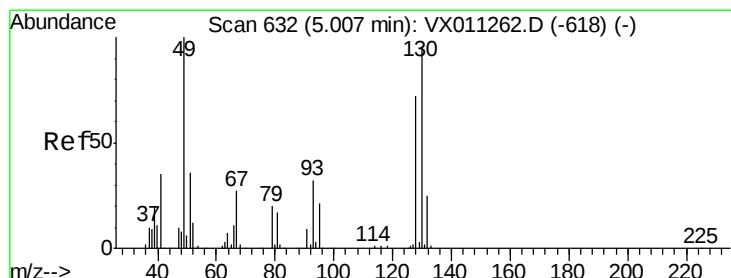
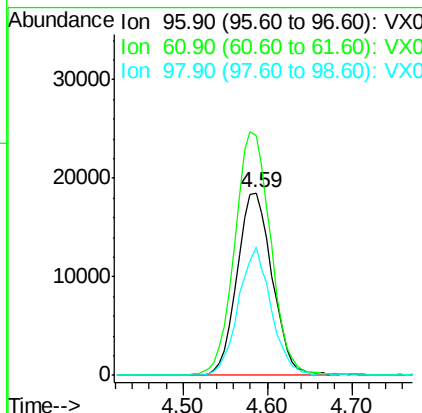
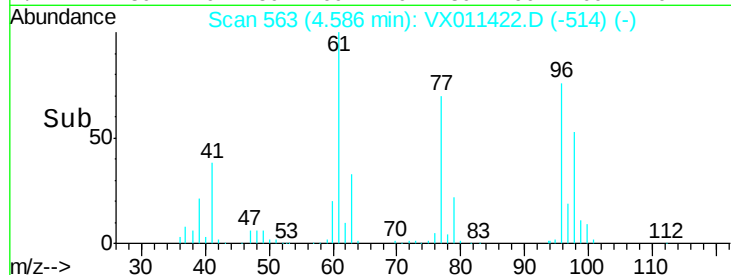
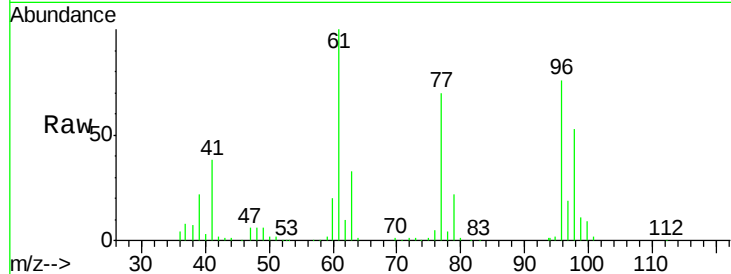
cis-1,2-Dichloroethene
Concen: 19.001 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	52285		
61	136.4		0.0	260.2
98	65.3		0.0	133.2

Manual Integrations
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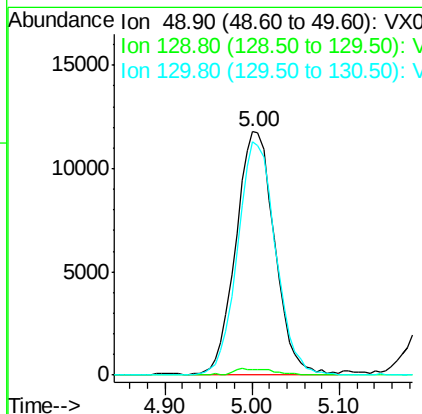
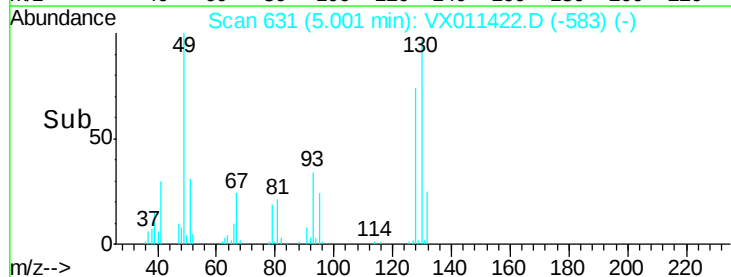
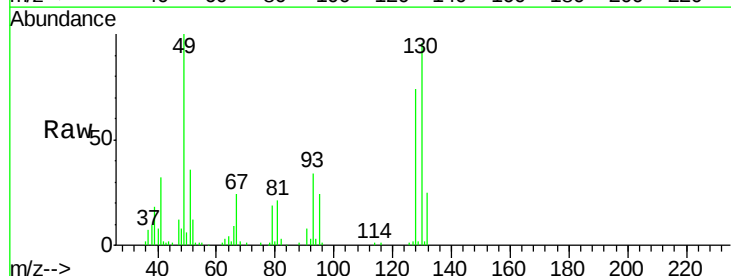
MMDadoda
8/12/2019 10:30:24 AM

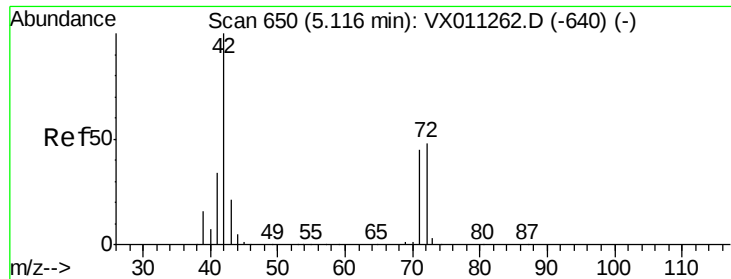


#28

Bromochloromethane
Concen: 20.466 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36405		
129	2.7		0.0	5.8
130	94.1		77.9	116.9





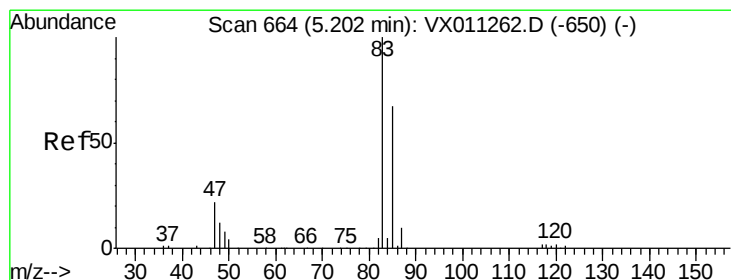
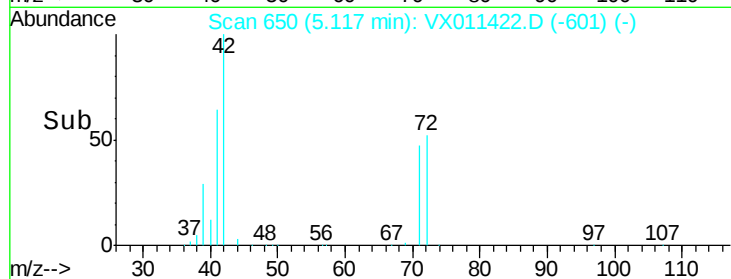
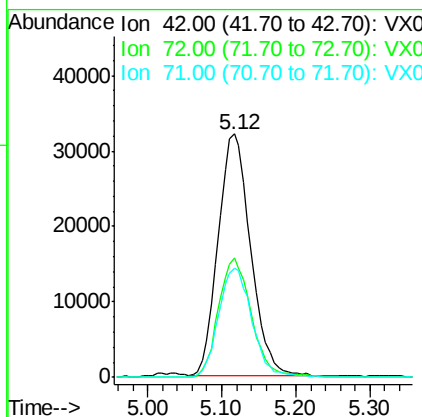
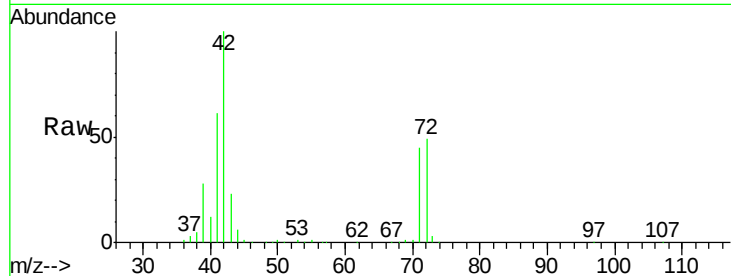
#29
Tetrahydrofuran
Concen: 94.260 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	39.9	59.9
71	46.2	36.9	55.3

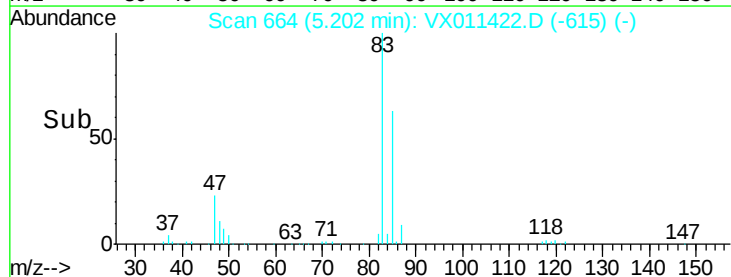
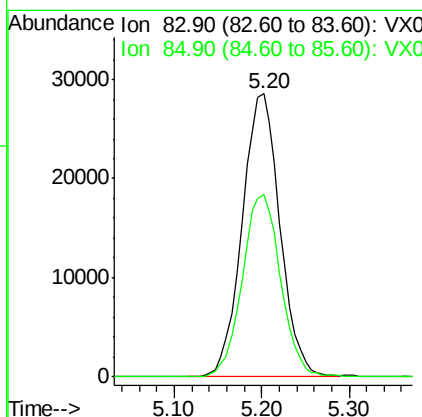
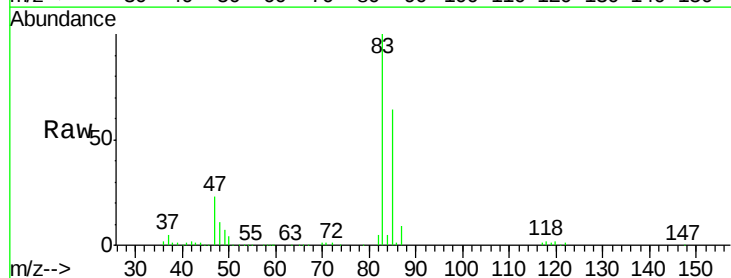
Manual Integrations
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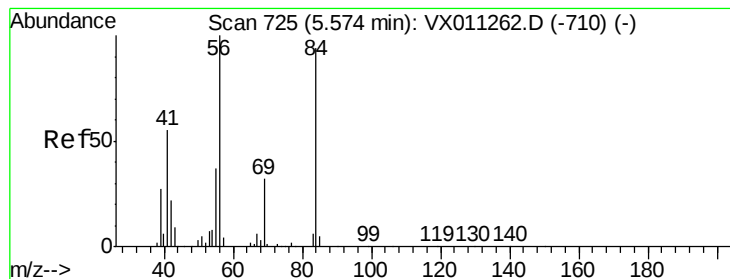
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#30
Chloroform
Concen: 20.231 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.4	80.0





#31

Cyclohexane

Concen: 19.321 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

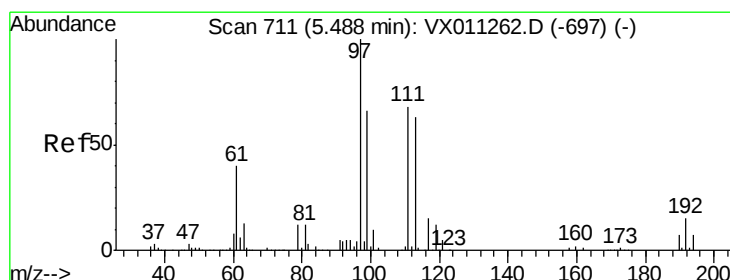
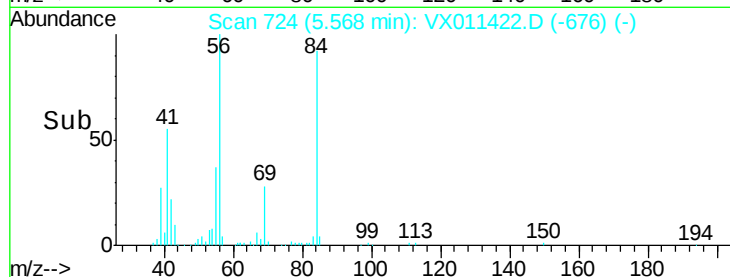
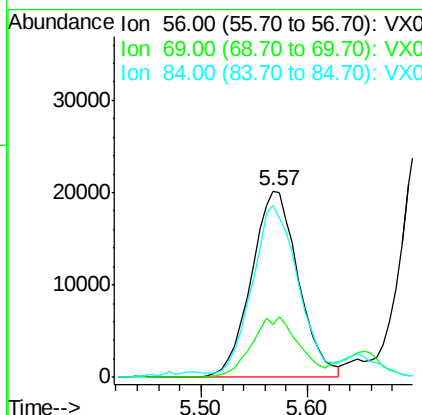
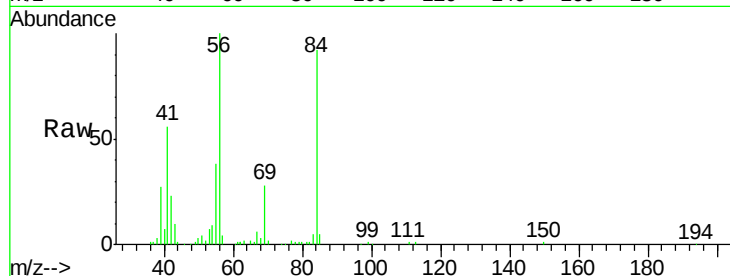
ClientSampleId :

VX0811WBS01

Tot Ion:	56	Resp:	62197
Ion	Ratio	Lower	Upper
56	100		
69	28.4	25.5	38.3
84	89.4	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 20.582 ug/l

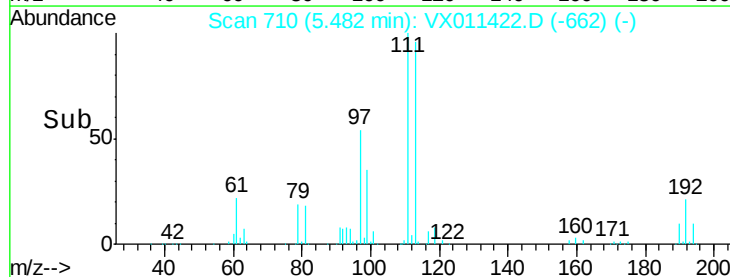
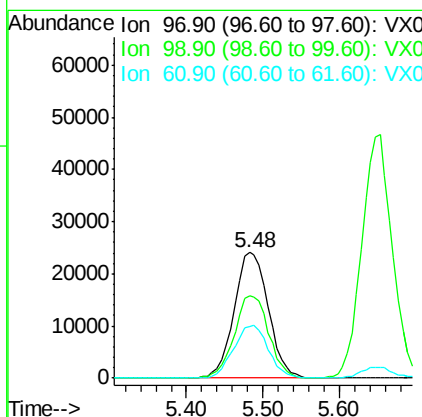
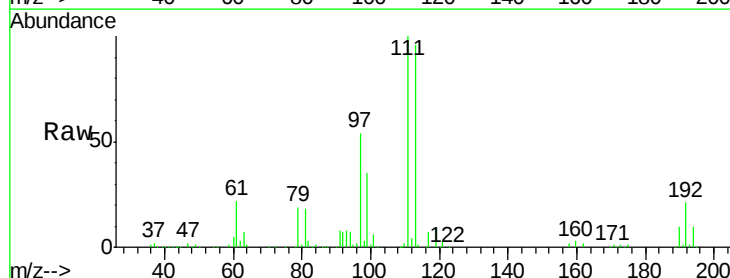
RT: 5.48 min Scan# 710

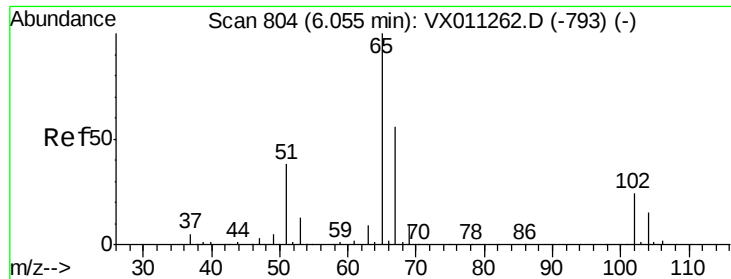
Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion:	97	Resp:	74770
Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.6	77.4
61	42.6	32.3	48.5





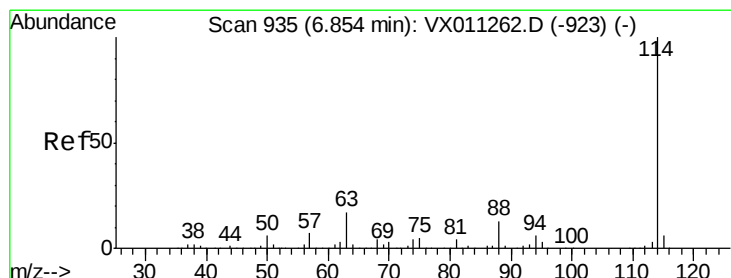
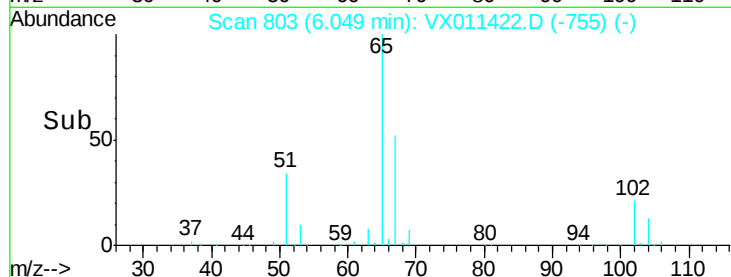
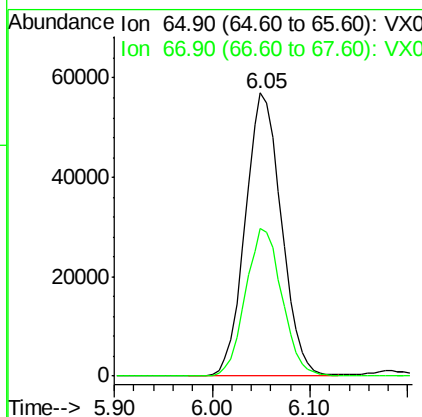
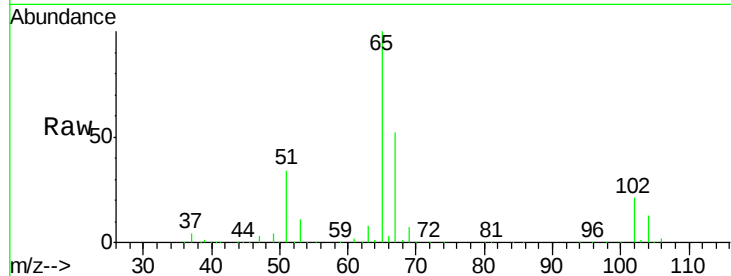
#33
 1,2-Dichloroethane-d4
 Concen: 58.545 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146346		
67	52.6	0.0	110.6	

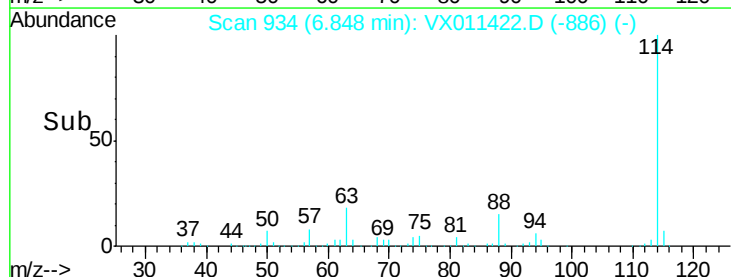
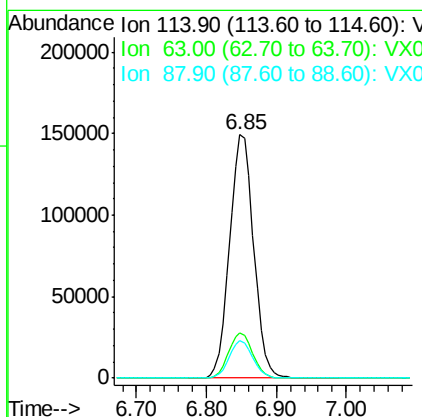
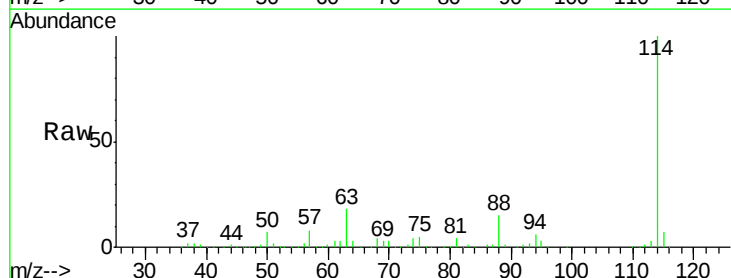
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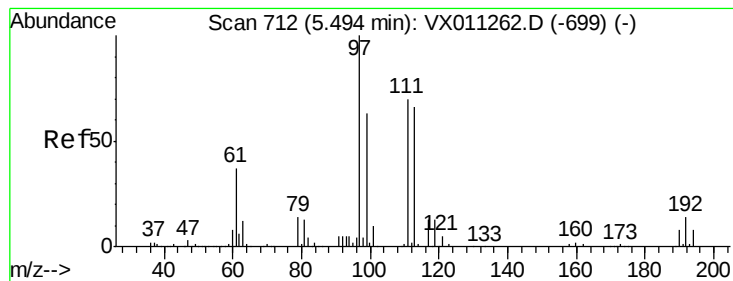
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357017		
63	18.3	0.0	34.0	
88	15.3	0.0	26.4	





#35

Dibromofluoromethane

Concen: 54.514 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

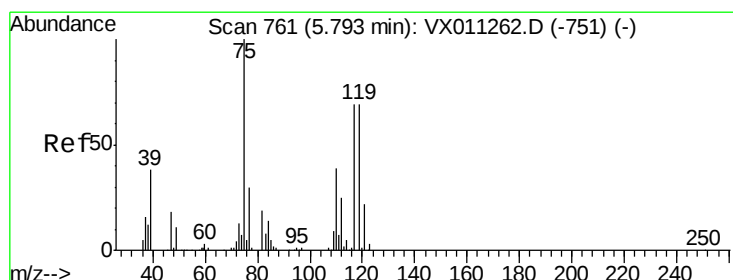
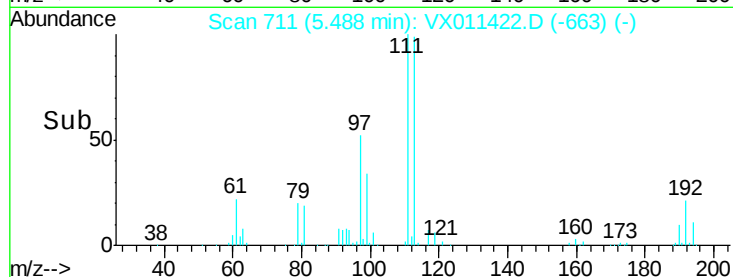
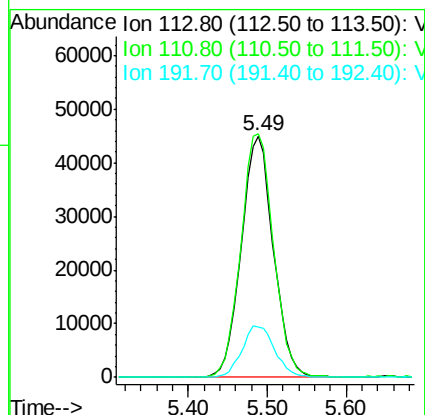
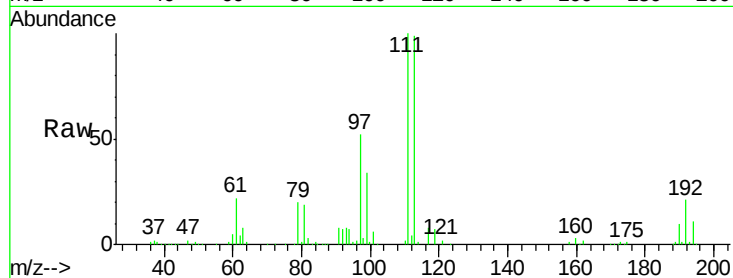
ClientSampleId :

VX0811WBS01

Tot Ion:	113	Resp:	127065
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.9	122.9
192	21.8	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 19.307 ug/l

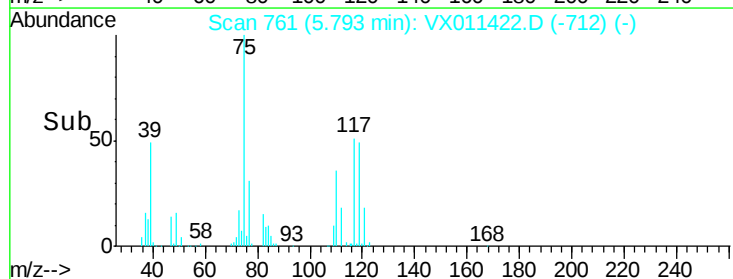
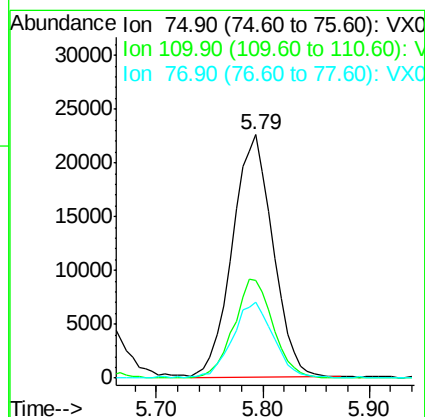
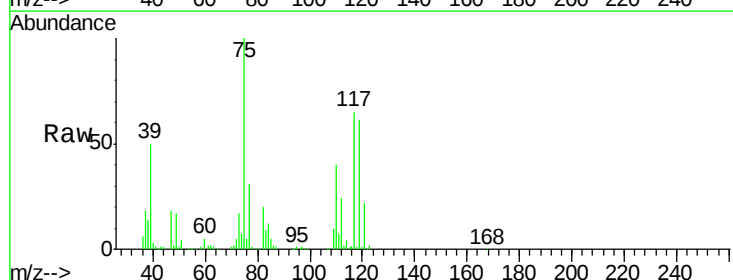
RT: 5.79 min Scan# 761

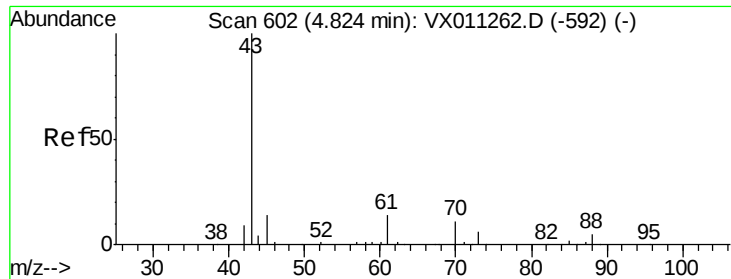
Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion:	75	Resp:	60183
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.0	59.9
77	31.7	24.8	37.2





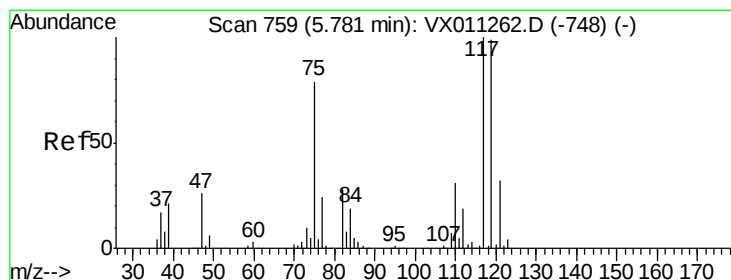
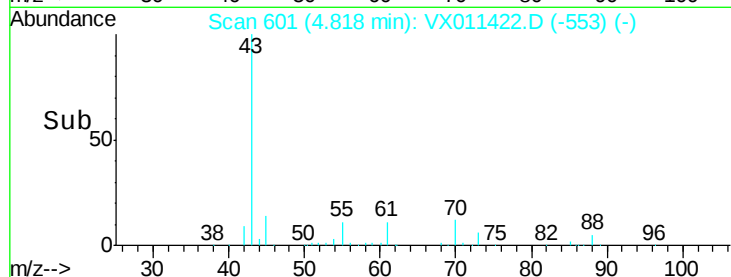
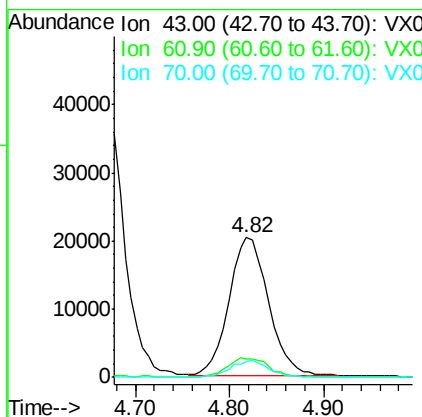
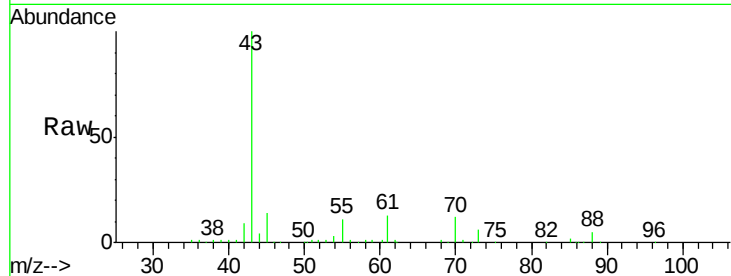
#37
Ethyl Acetate
Concen: 19.101 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.6	18.8
70	11.9	9.1	13.7

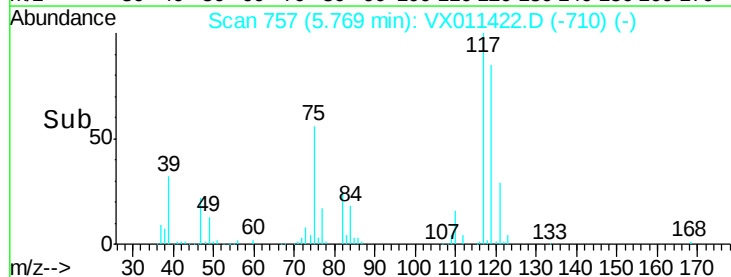
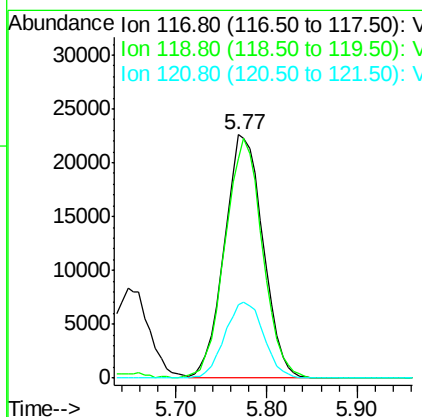
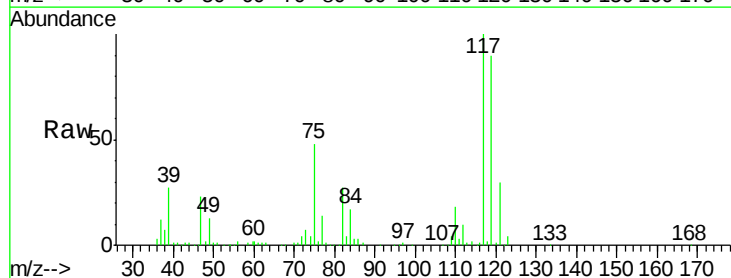
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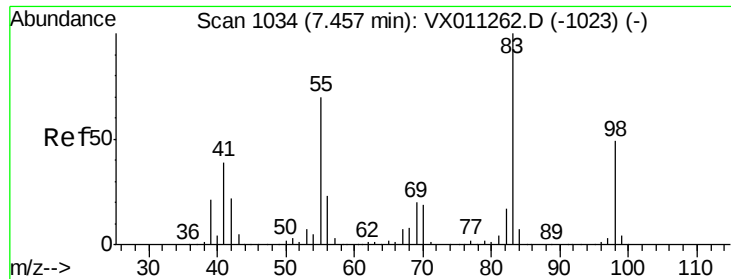
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.347 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	79.0	118.4
121	30.4	25.9	38.9





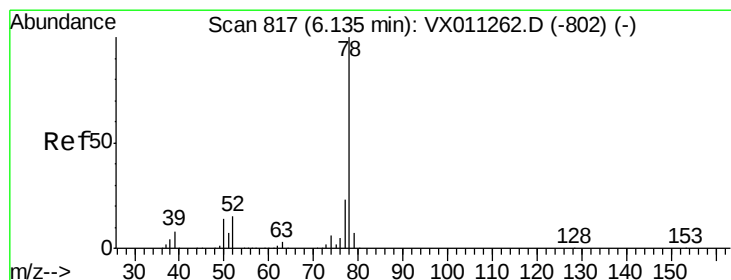
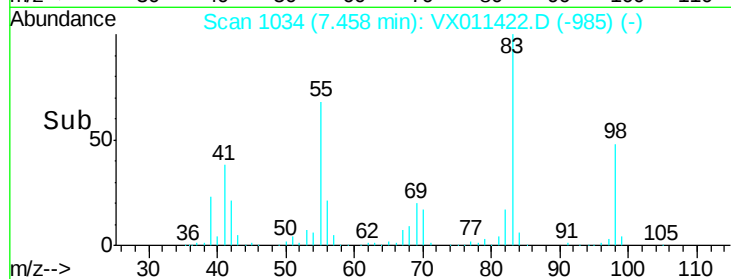
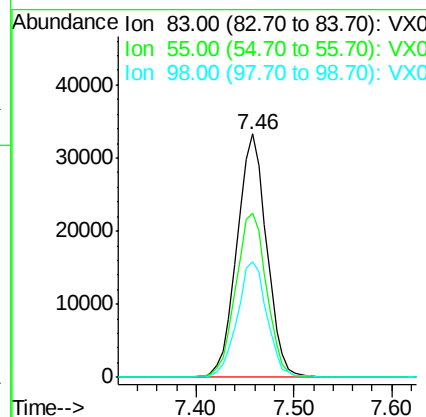
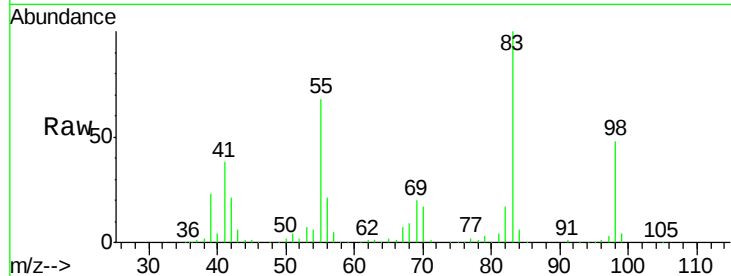
#39
Methvlcvclohexane
Concen: 19.004 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	83	Resp	70216
Ion Ratio	100	Lower	Upper
83	100		
55	67.6	56.1	84.1
98	47.5	39.0	58.4

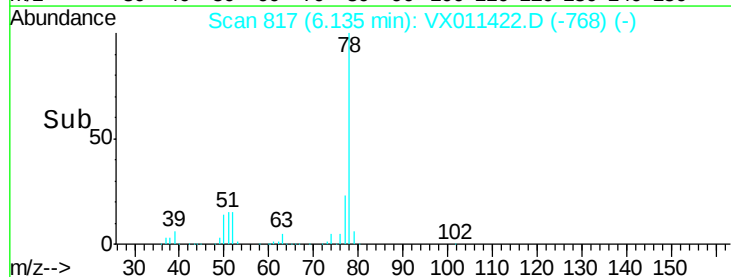
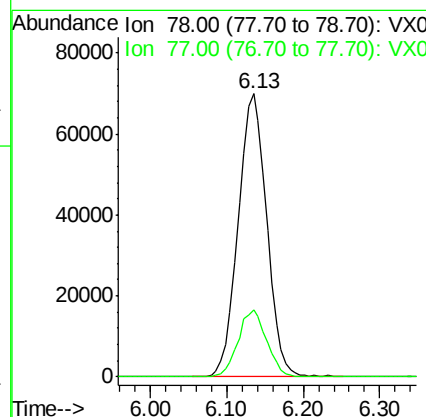
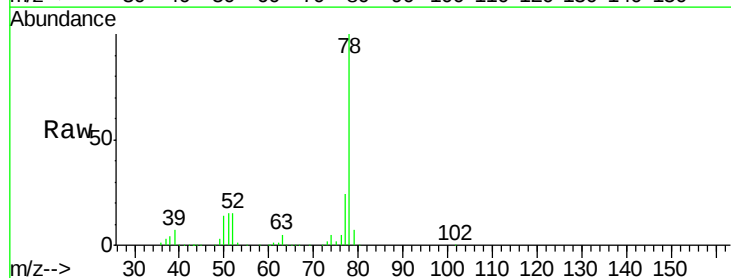
Manual Integrations
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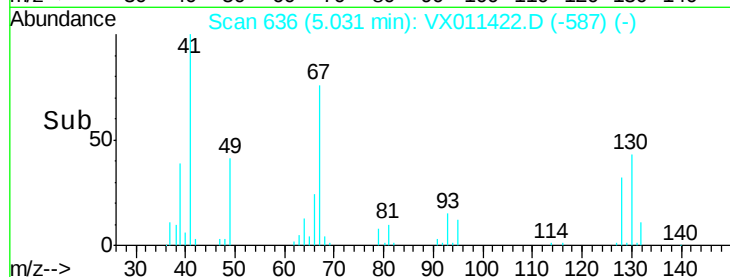
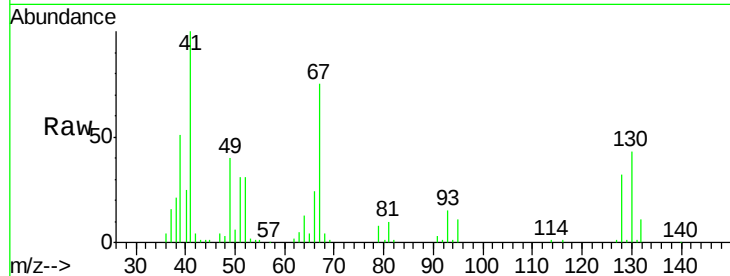
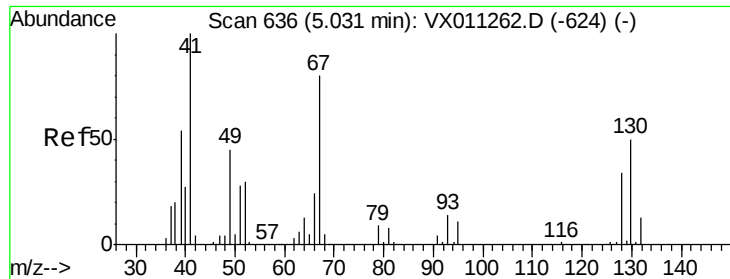
MMDadoda
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#40
Benzene
Concen: 19.444 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	78	Resp	180859
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.2	27.2





#41

Methacrylonitrile

Concen: 20.166 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		34434		
39	52.9	43.0	64.6		
67	76.6	65.1	97.7		
52	32.3	24.8	37.2		

Instrument :

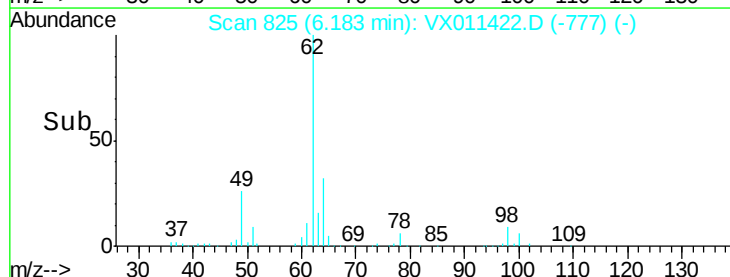
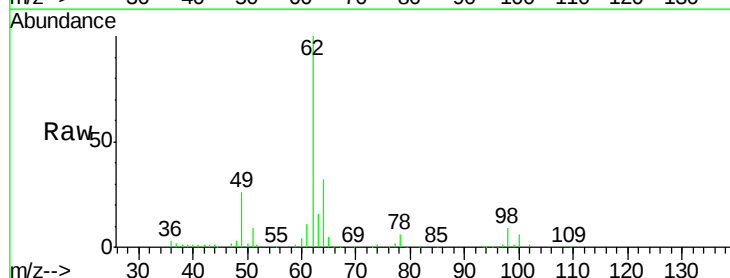
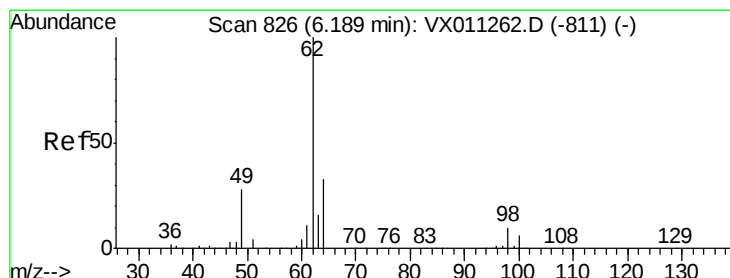
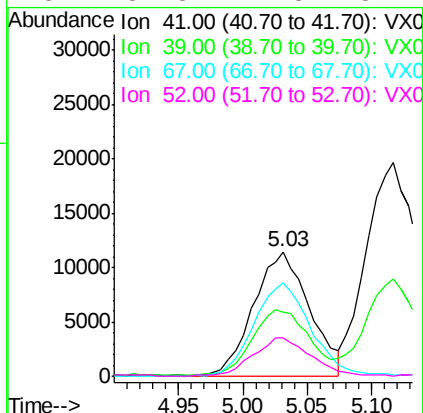
MSVOA_X

ClientSampleId :

VX0811WBS01

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:24 AM



#42

1,2-Dichloroethane

Concen: 21.793 ug/l

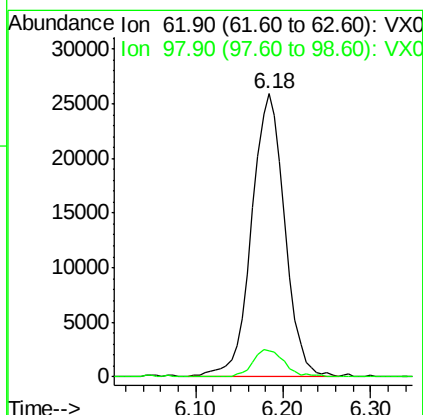
RT: 6.18 min Scan# 825

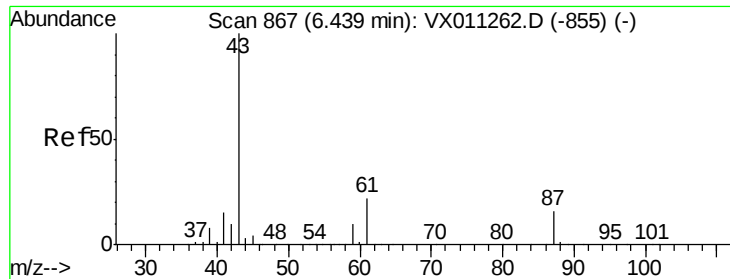
Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		68548		
98	9.3	0.0	20.6		





#43

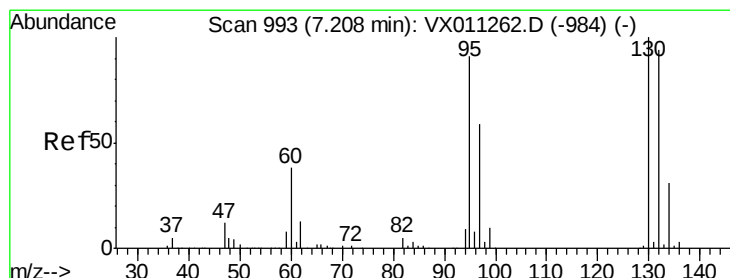
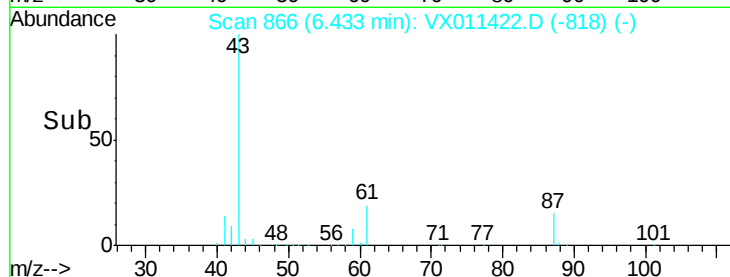
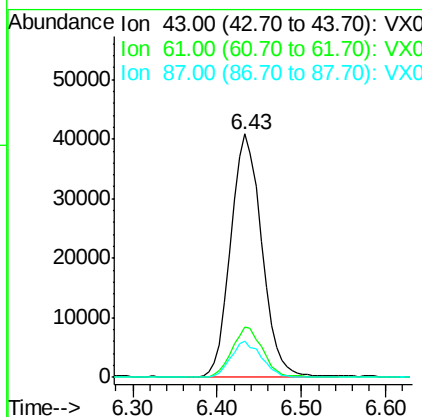
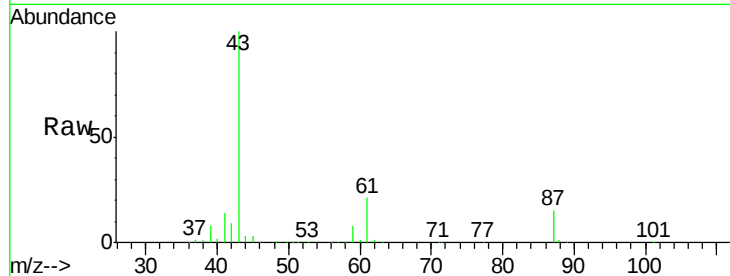
Isopropyl Acetate
 Concen: 20.368 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.5	24.7
87	14.7	12.1	18.1

Manual Integrations
 APPROVED

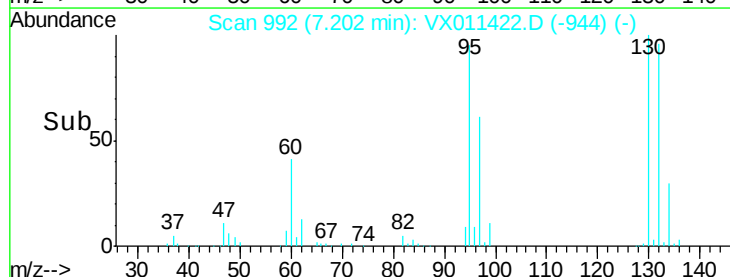
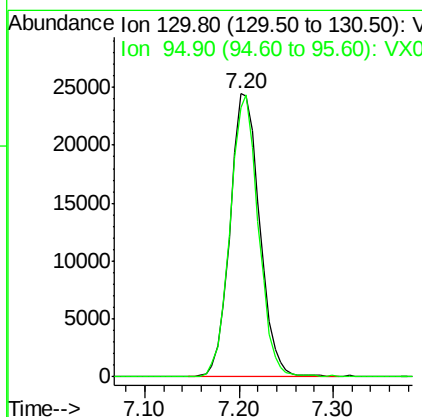
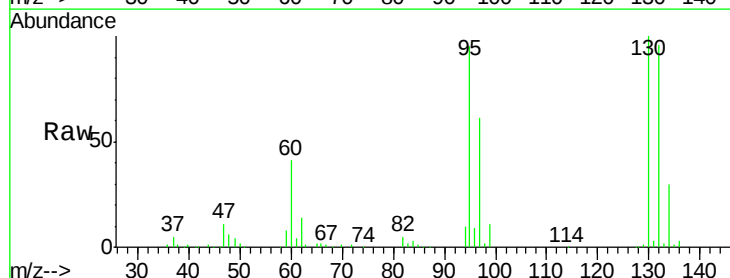
MMDadoda
 8/12/2019 10:30:24 AM

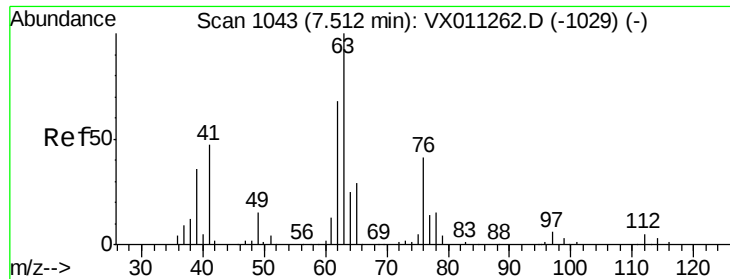


#44

Trichloroethene
 Concen: 18.923 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	182.6





#45

1,2-Dichloropropane

Concen: 19.393 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampled :

VX0811WBS01

Tot Ion: 63 Resp: 46716

Ion Ratio Lower Upper

63 100

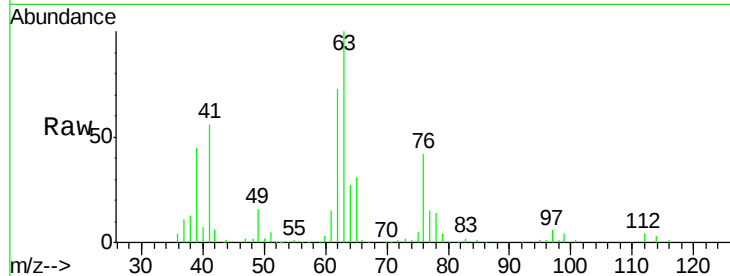
65 30.7 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:24 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

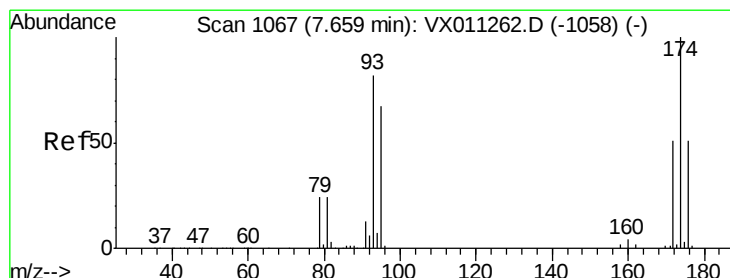
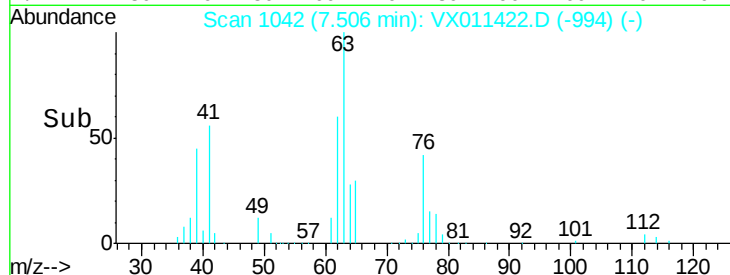
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 19.419 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

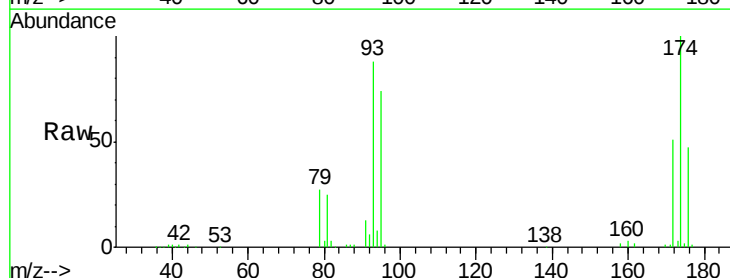
Tgt Ion: 93 Resp: 34150

Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

174 113.1 93.4 140.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.65

25000

20000

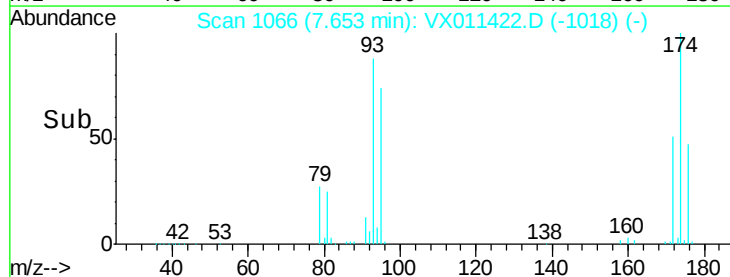
15000

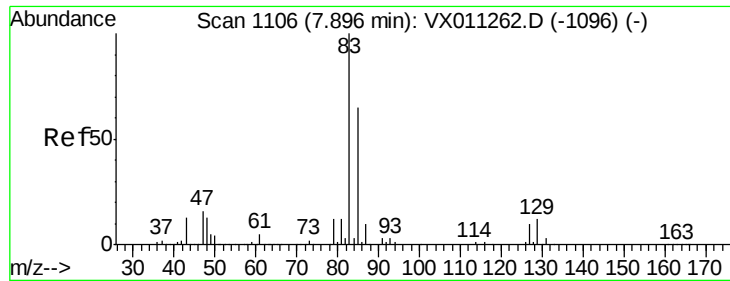
10000

5000

0

Time-->





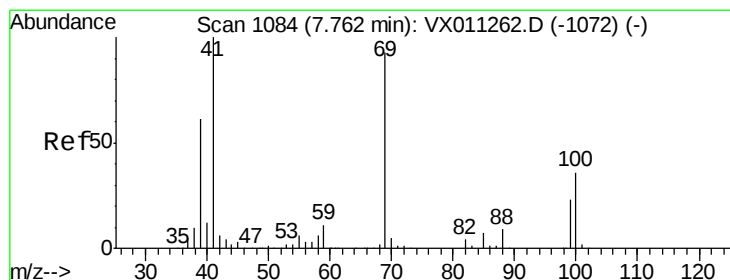
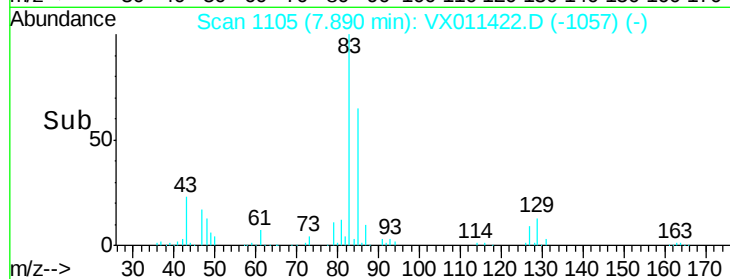
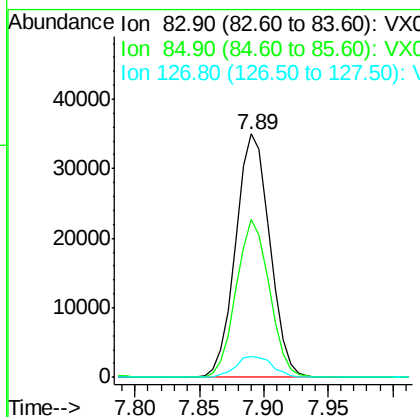
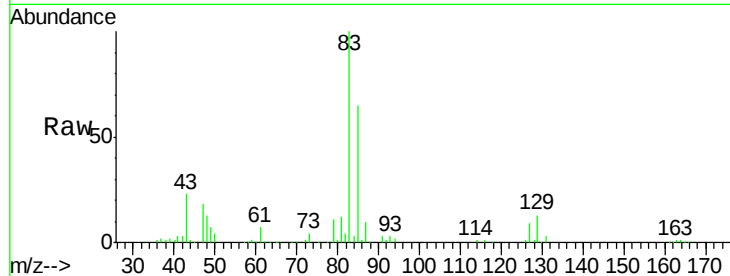
#47
 Bromodichloromethane
 Concen: 21.592 ug/l
 RT: 7.89 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	83	Resp	64288
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.2	78.2
127	8.5	7.8	11.8

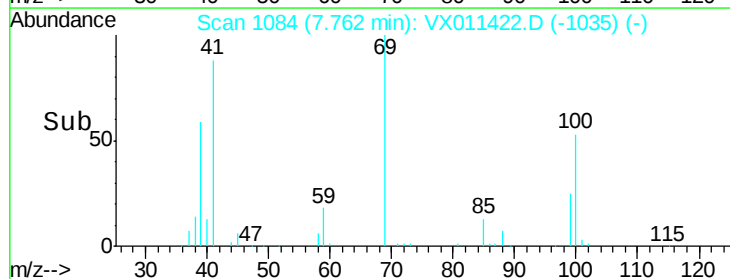
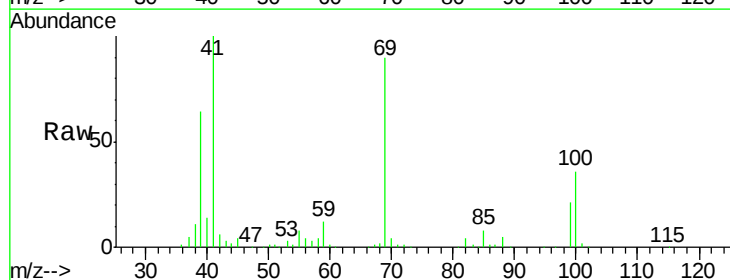
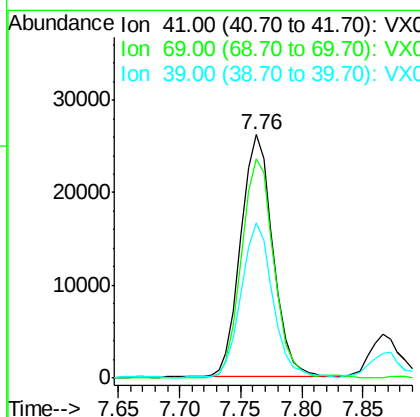
Manual Integrations
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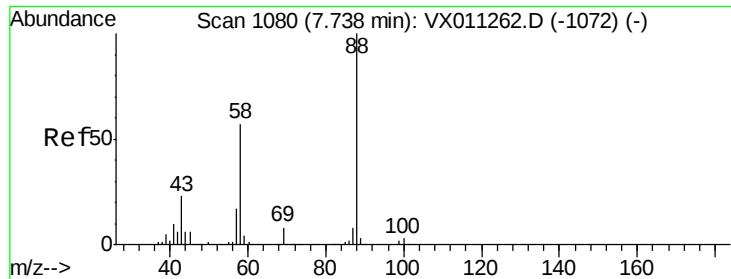
MMDadoda
 8/12/2019 10:30:24 AM



#48
 Methyl methacrylate
 Concen: 20.373 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	41	Resp	47929
Ion Ratio	100	Lower	Upper
41	100		
69	91.6	74.5	111.7
39	62.7	48.6	72.8





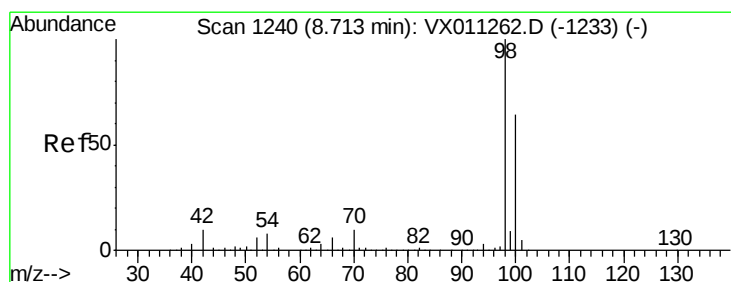
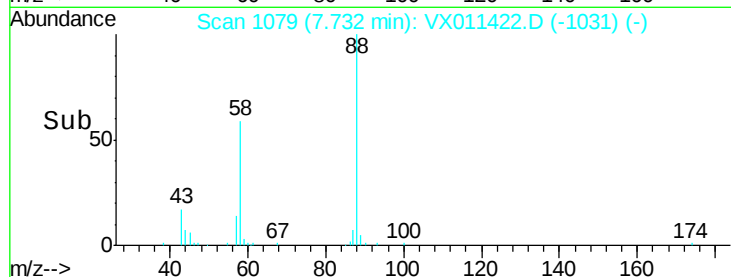
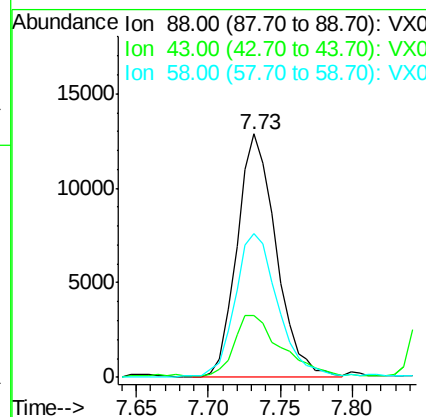
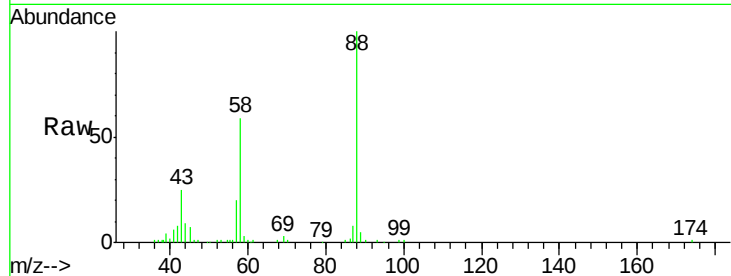
#49
1,4-Dioxane
Concen: 356.473 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.2	33.2
58	65.3	47.8	71.8

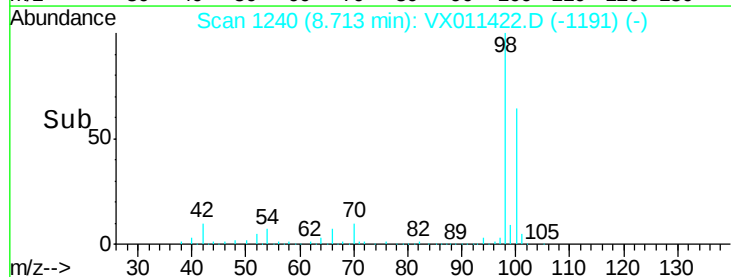
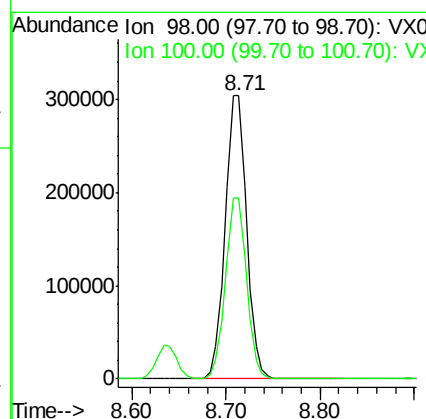
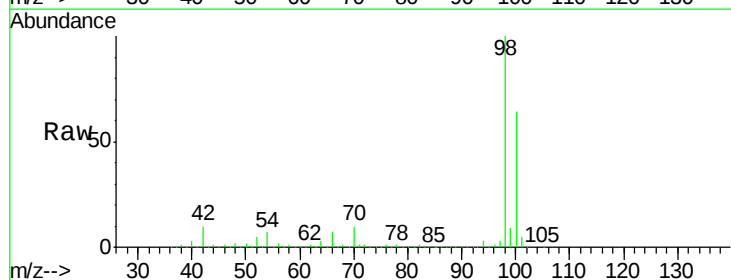
Manual Integrations
APPROVED

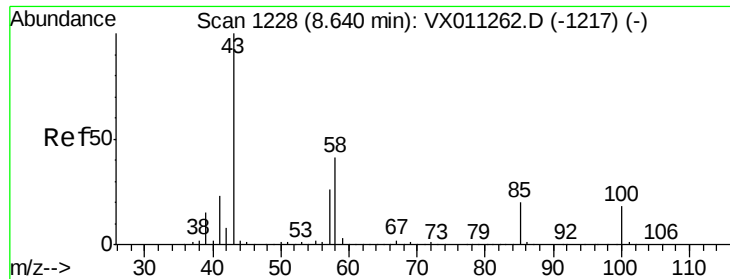
MMDadoda
8/12/2019 10:30:24 AM



#50
Toluene-d8
Concen: 54.436 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





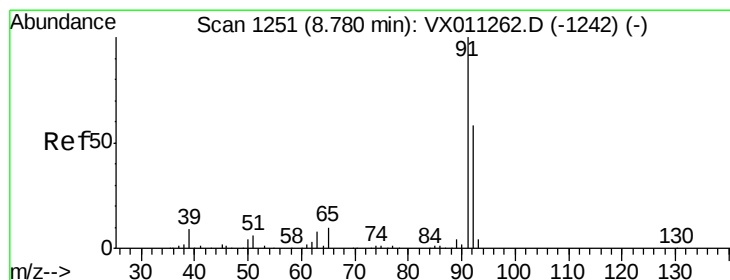
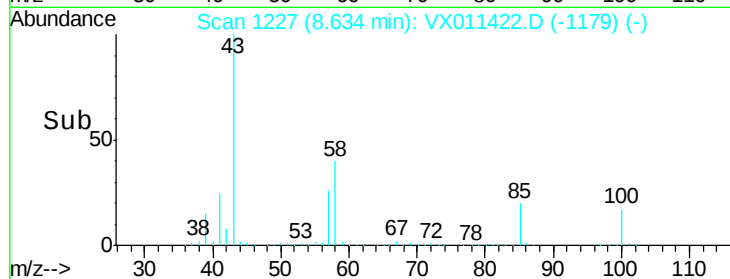
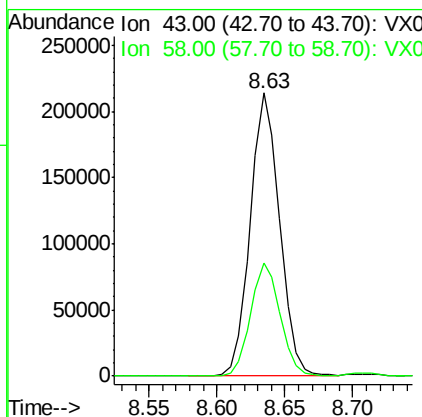
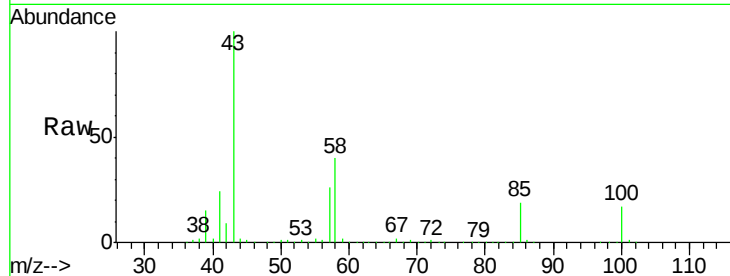
#51
4-Methyl-2-Pentanone
Concen: 100.628 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampled :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.3	48.5

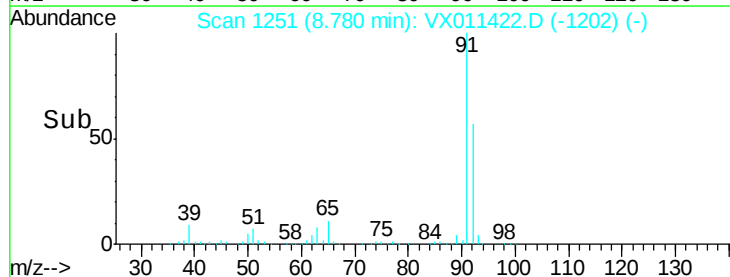
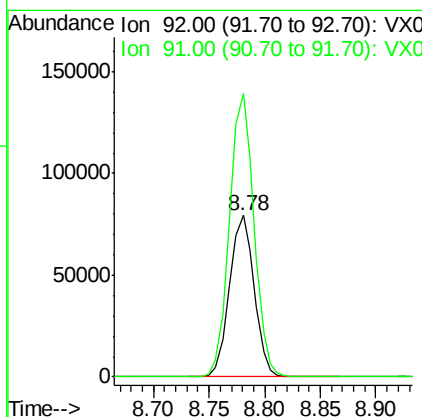
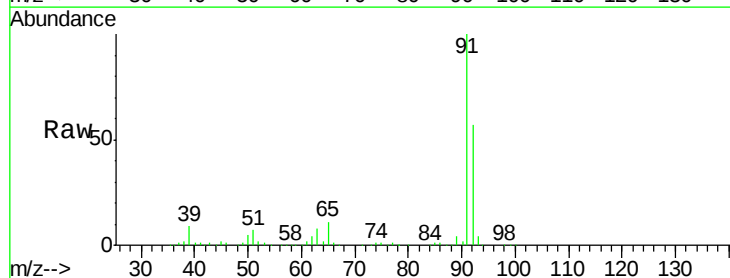
Manual Integrations
APPROVED

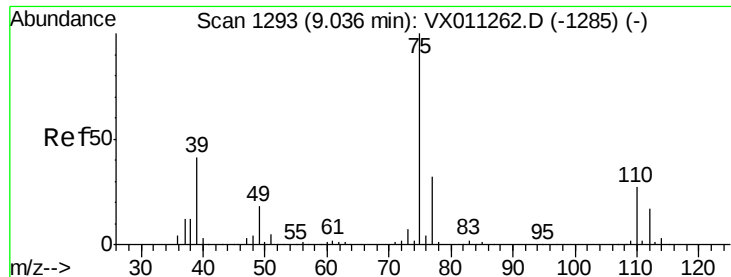
MMDadoda
8/12/2019 10:30:24 AM



#52
Toluene
Concen: 19.830 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	139.4	209.0





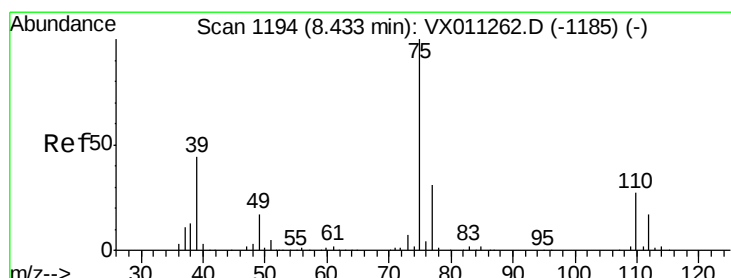
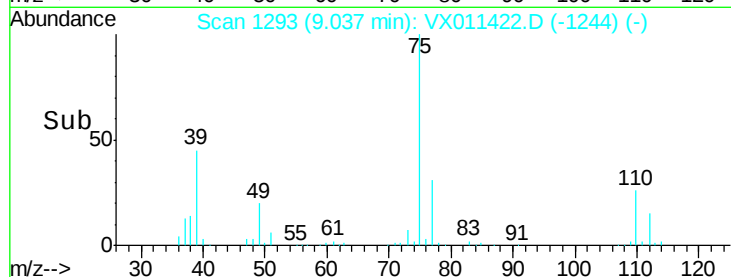
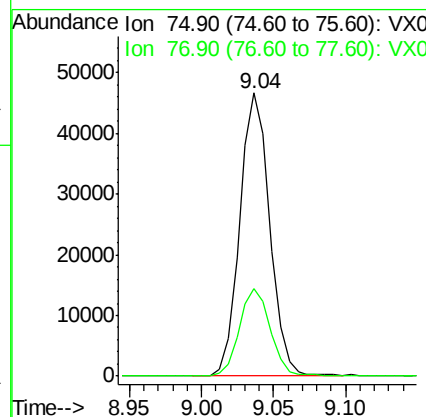
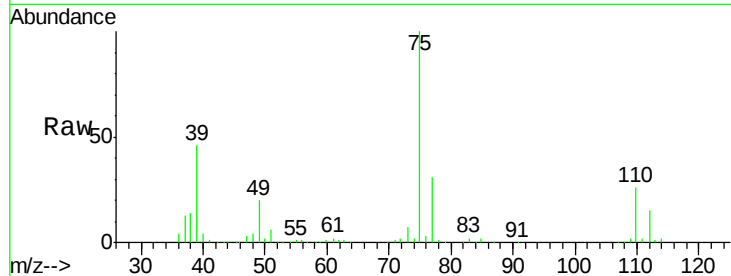
#53
t-1,3-Dichloropropene
Concen: 21.194 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampled :
VX0811WBS01

Tot Ion: 75 Resp: 67477
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0

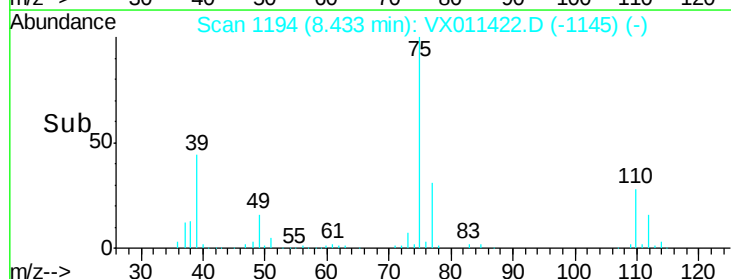
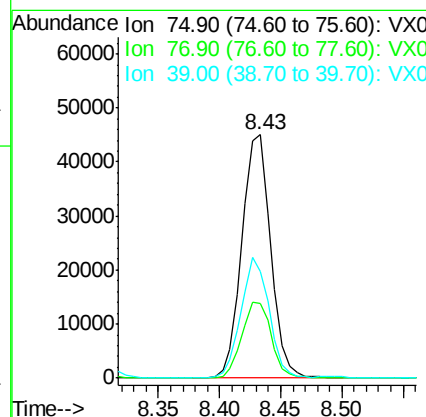
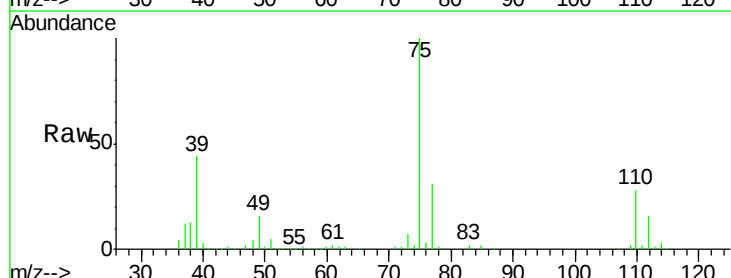
Manual Integrations
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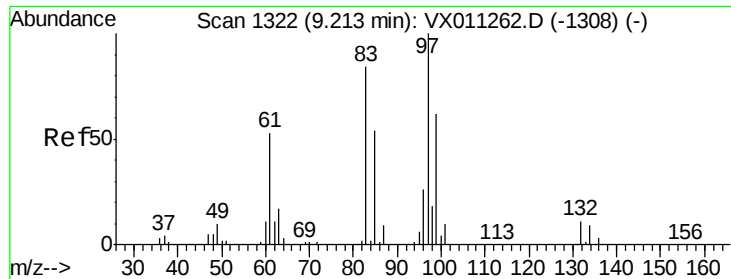
MMDadoda
8/12/2019 10:30:24 AM



#54
cis-1,3-Dichloropropene
Concen: 21.160 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion: 75 Resp: 73594
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6
39 43.7 35.3 52.9





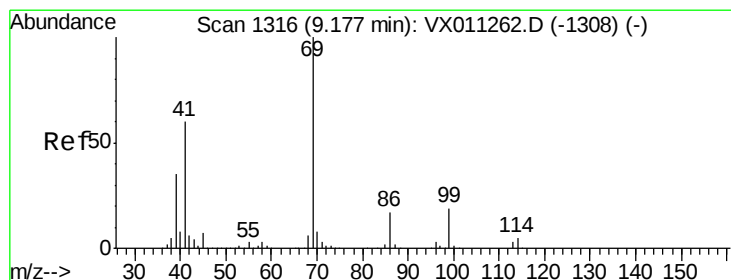
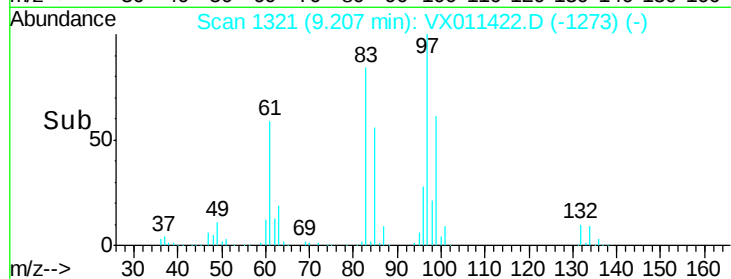
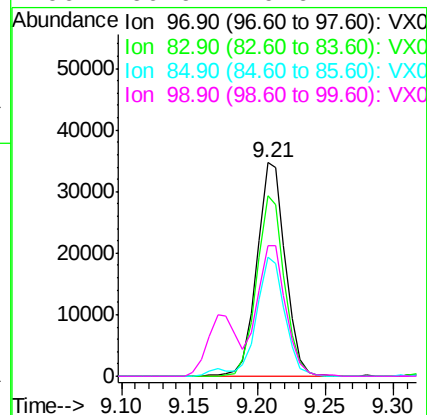
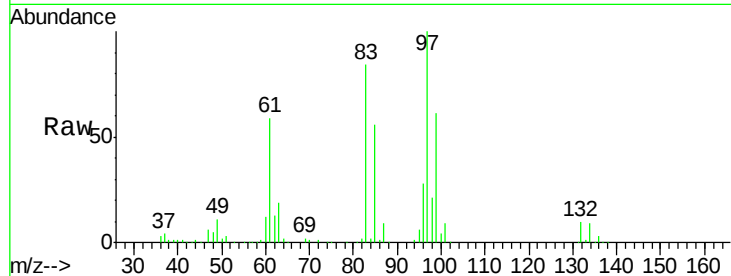
#55
 1,1,2-Trichloroethane
 Concen: 20.186 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion:	97	Resp:	51042
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.6	101.4
85	55.6	43.4	65.0
99	60.9	49.6	74.4

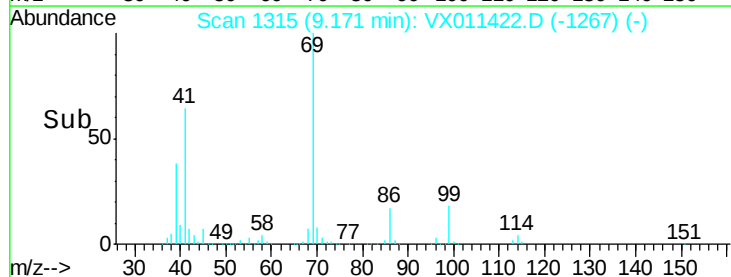
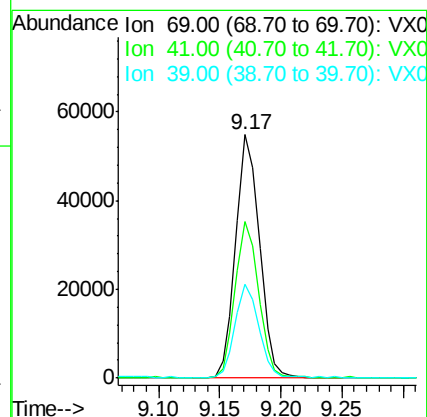
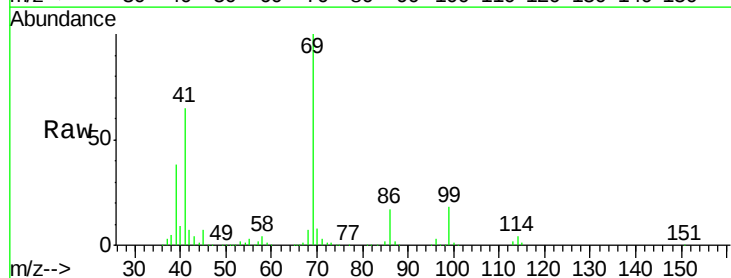
Manual Integrations
 APPROVED

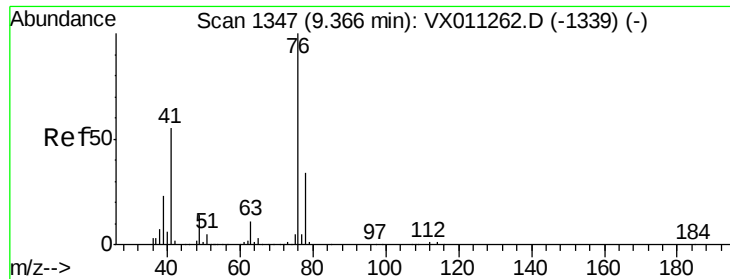
MMDadoda
 8/12/2019 10:30:24 AM



#56
 Ethyl methacrylate
 Concen: 20.631 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion:	69	Resp:	74341
Ion	Ratio	Lower	Upper
69	100		
41	63.1	48.6	73.0
39	37.6	29.4	44.2





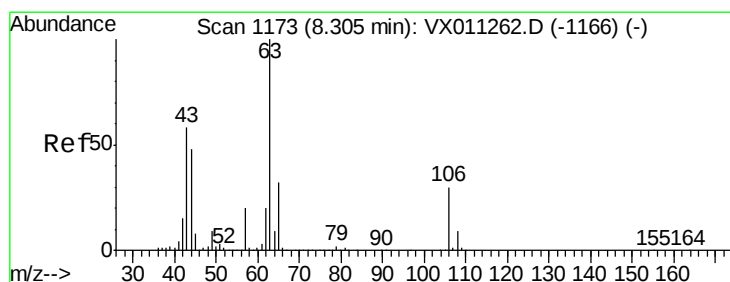
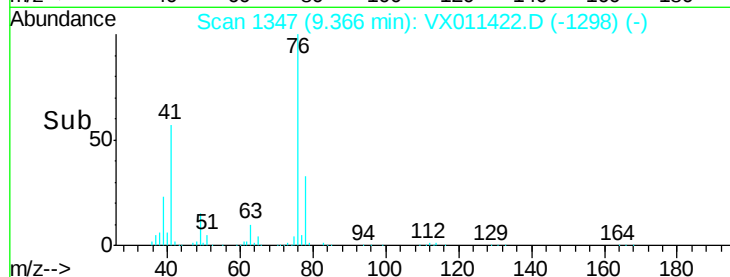
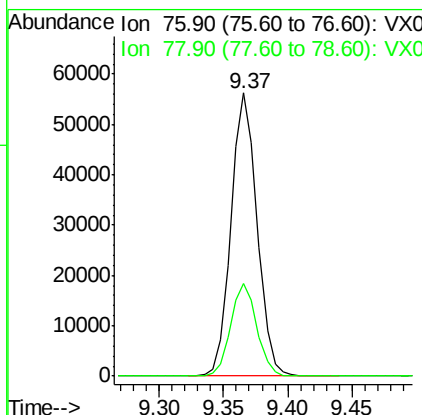
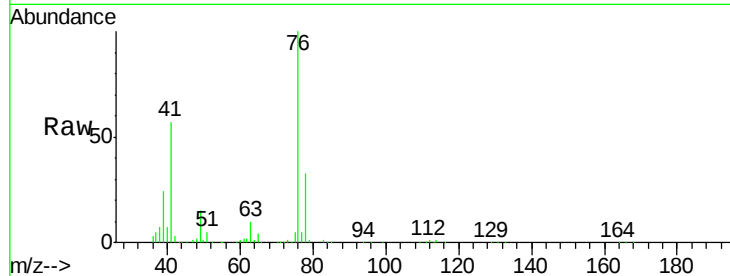
#57
 1,3-Dichloropropane
 Concen: 19.981 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion: 76 Resp: 79902
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.6 40.0

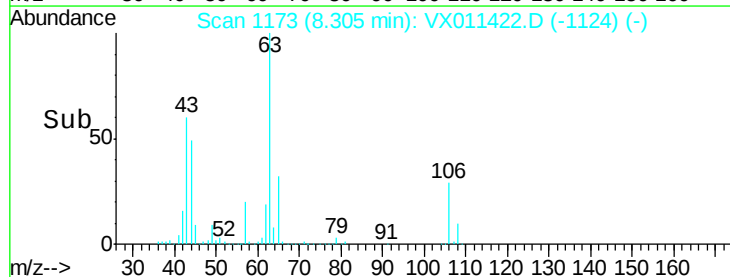
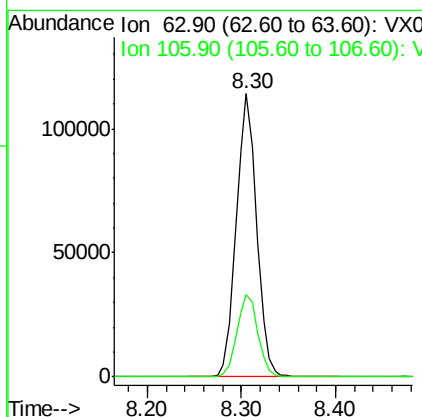
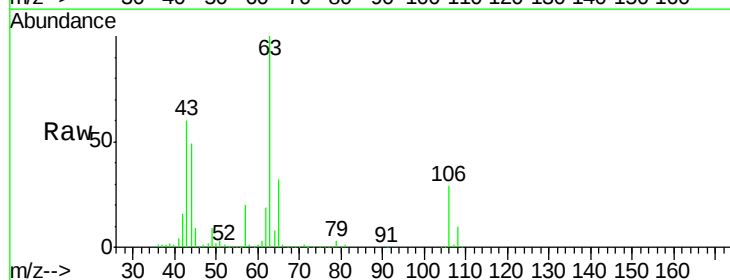
Manual Integrations
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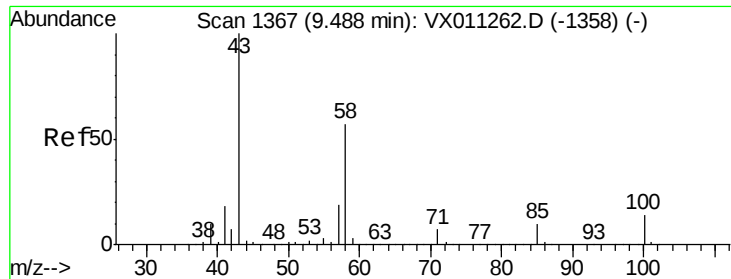
MMDadoda
 8/12/2019 10:30:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.668 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion: 63 Resp: 171272
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.4 36.6





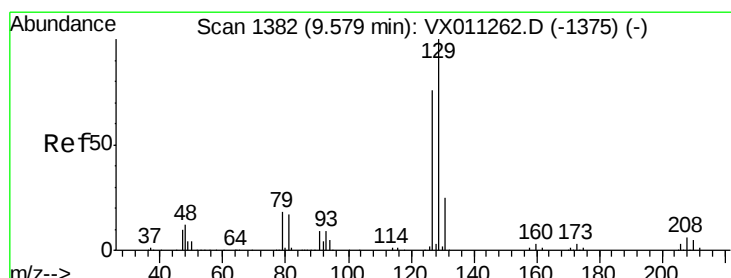
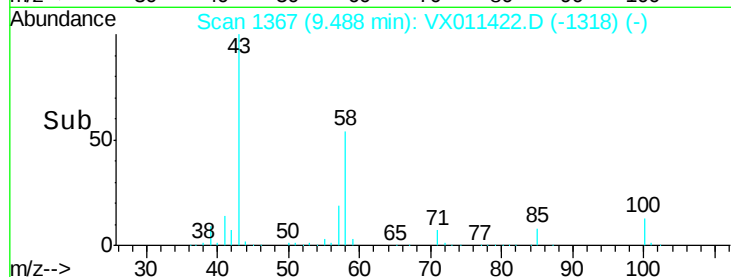
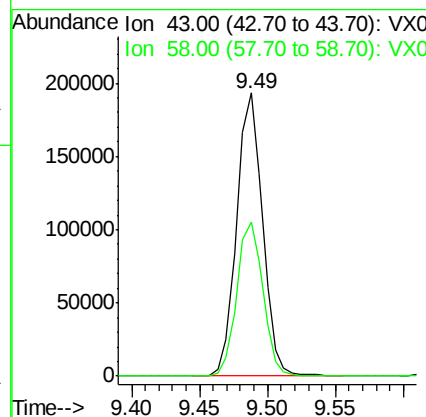
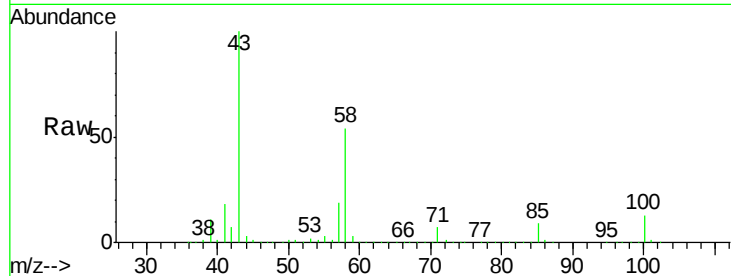
#59
2-Hexanone
Concen: 102.695 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion: 43 Resp: 256614
Ion Ratio Lower Upper
43 100
58 55.2 28.2 84.6

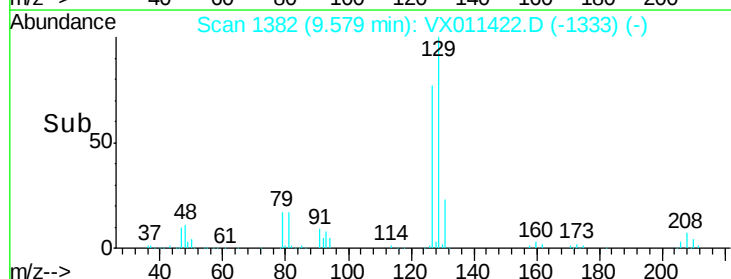
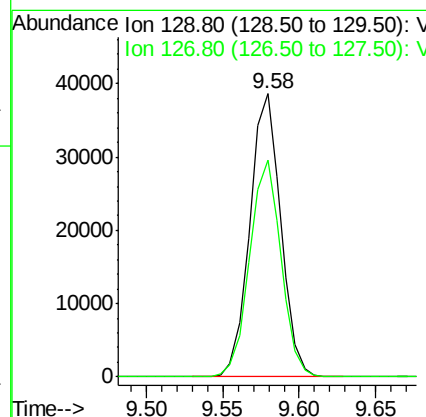
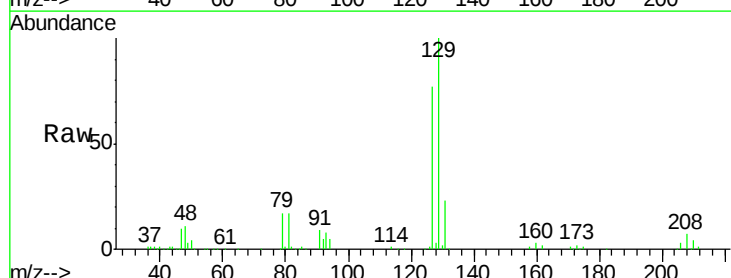
Manual Integrations
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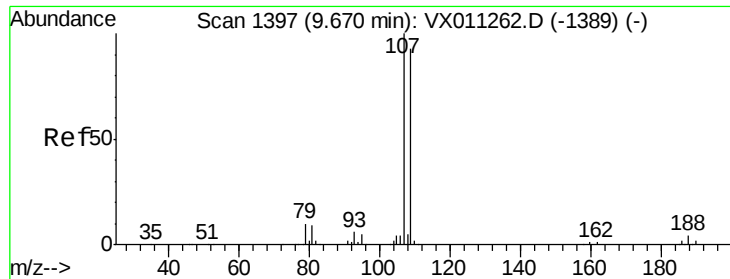
MMDadoda
8/12/2019 10:30:24 AM



#60
Dibromochloromethane
Concen: 20.944 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion: 129 Resp: 54220
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.679 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion:107 Resp: 53761

Ion Ratio Lower Upper

107 100

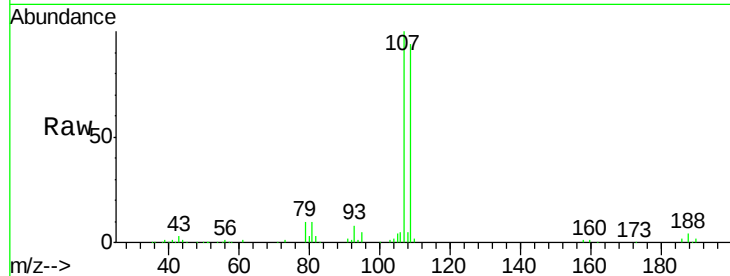
109 96.1 76.6 114.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

40000

30000

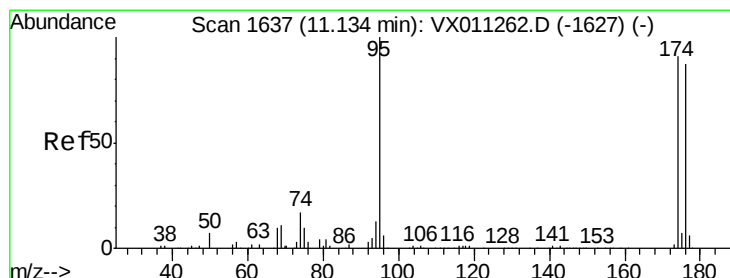
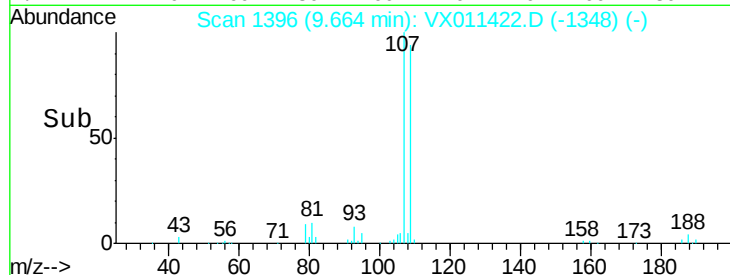
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 58.406 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

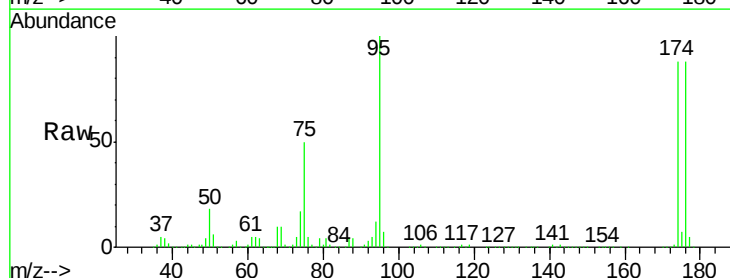
Tgt Ion: 95 Resp: 183470

Ion Ratio Lower Upper

95 100

174 88.8 0.0 191.2

176 85.8 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

200000

150000

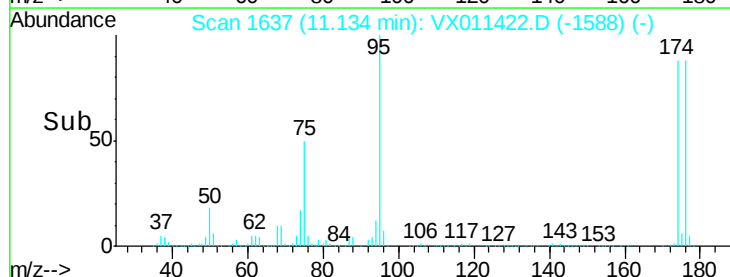
100000

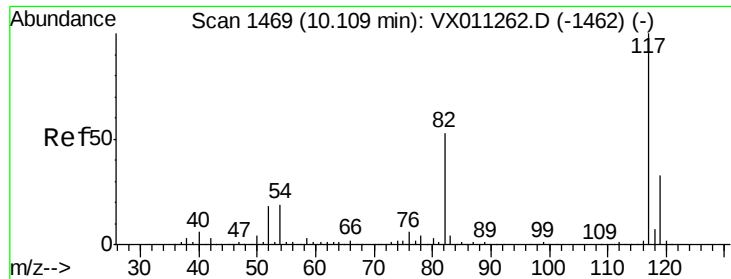
50000

0

11.10 11.20

Time-->





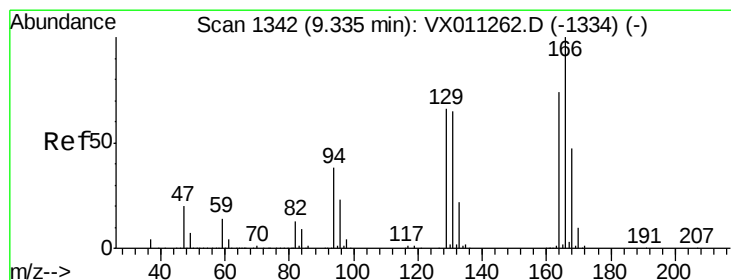
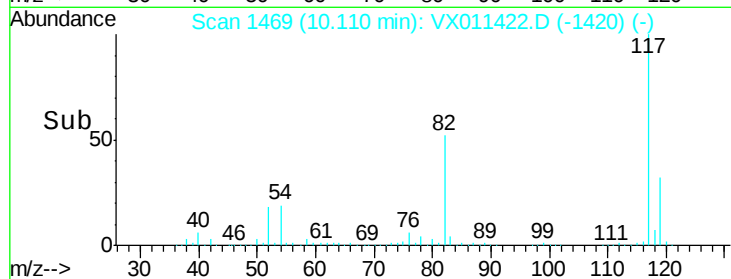
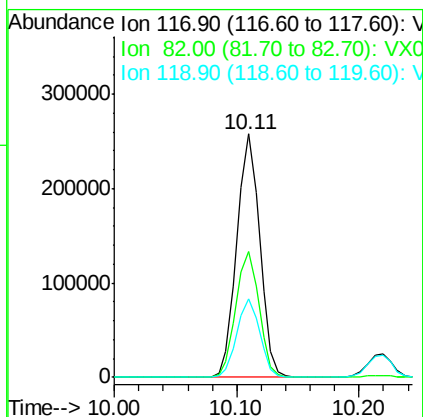
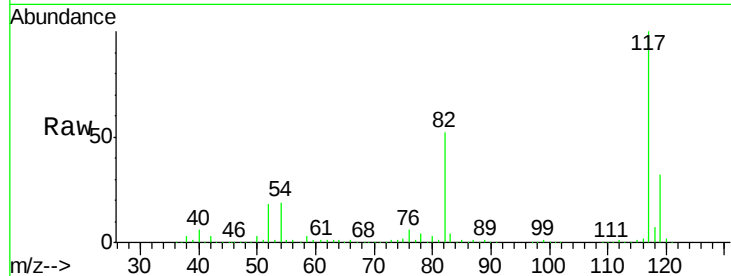
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333625		
82	51.8	42.2	63.2	
119	32.1	26.6	39.8	

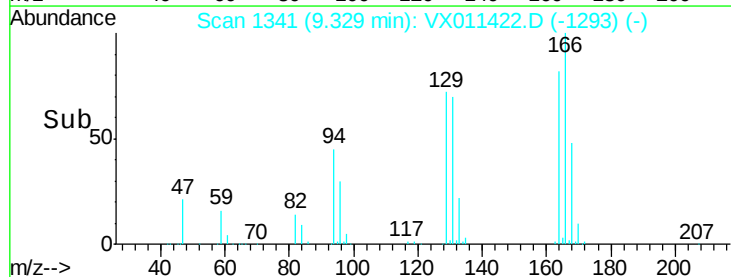
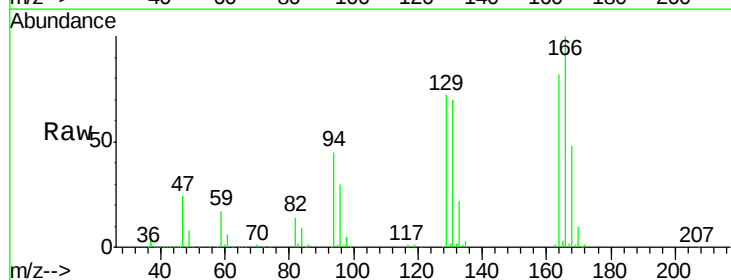
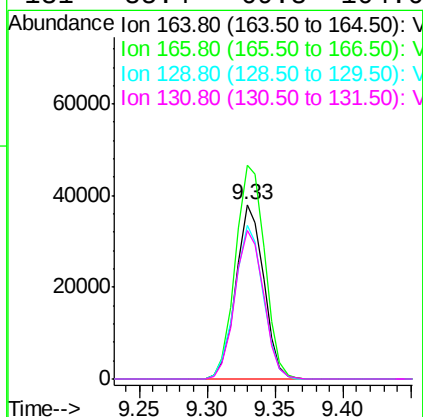
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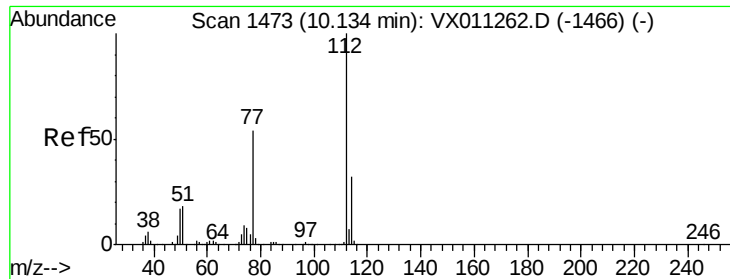
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#64
Tetrachloroethene
Concen: 19.135 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54216		
166	122.6	107.5	161.3	
129	88.1	71.0	106.4	
131	85.4	69.8	104.6	





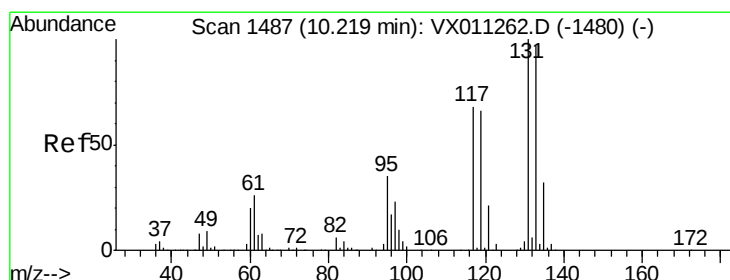
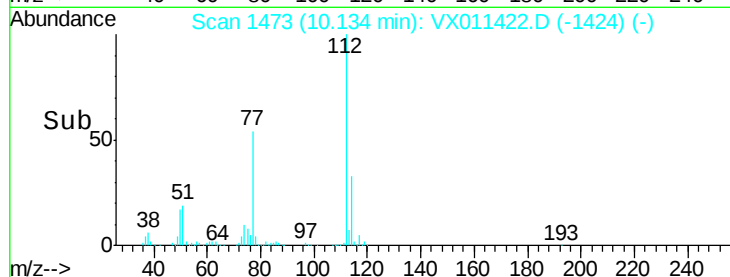
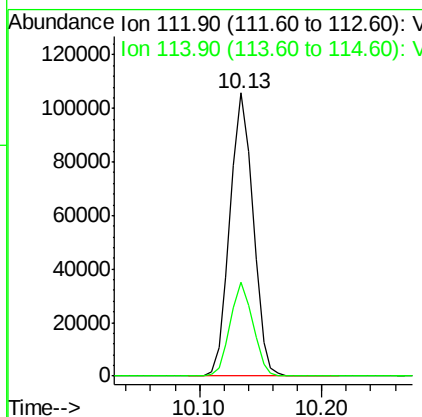
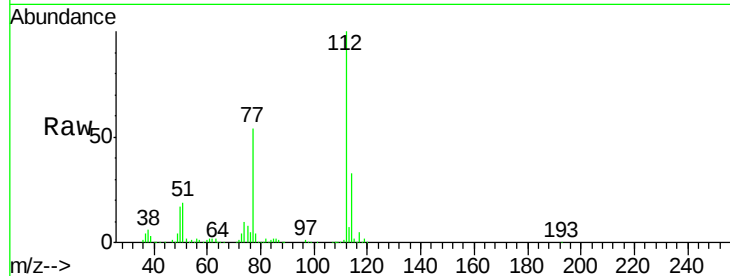
#65
Chlorobenzene
Concen: 19.437 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.9	38.9

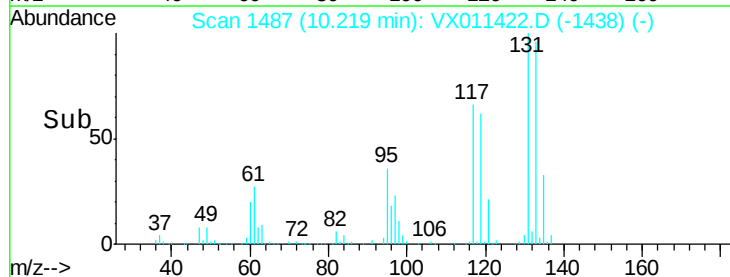
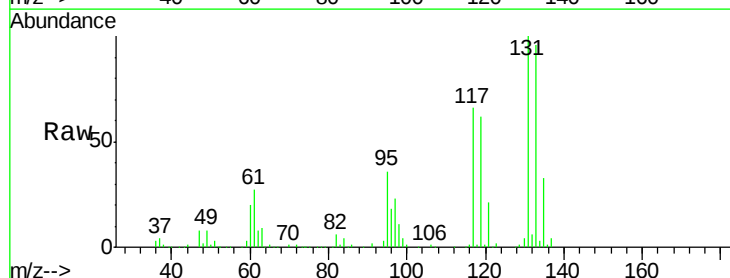
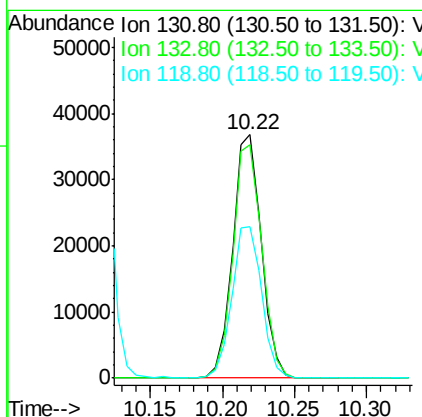
Manual Integrations
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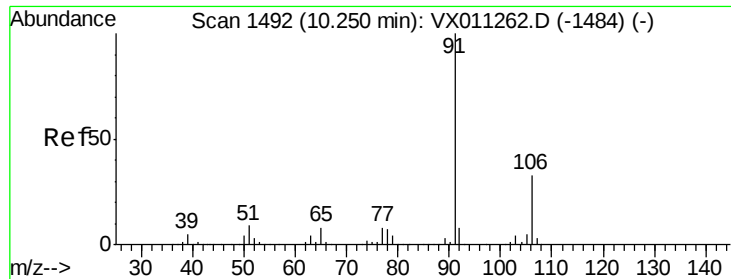
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.927 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.7	143.1
119	64.5	32.8	98.3





#67

Ethyl Benzene

Concen: 20.196 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampled :

VX0811WBS01

Tot Ion: 91 Resp: 241953

Ion Ratio Lower Upper

91 100

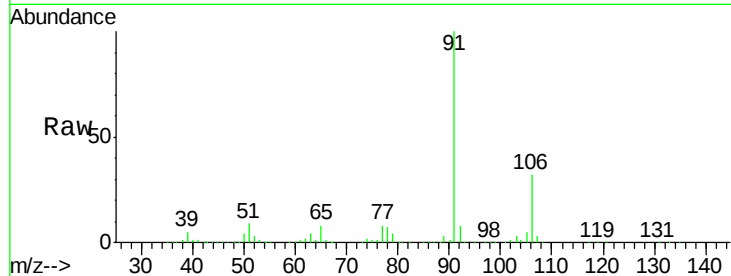
106 31.7 26.2 39.4

Manual Integrations

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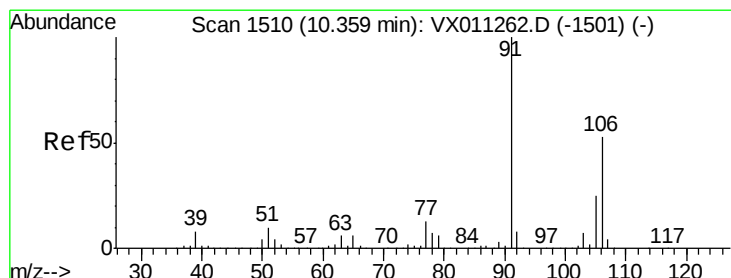
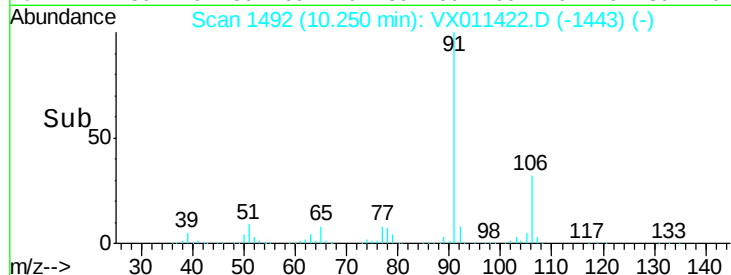
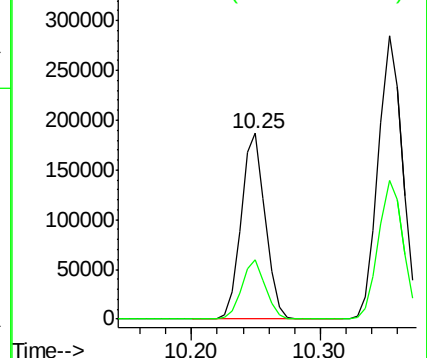
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.776 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011422.D

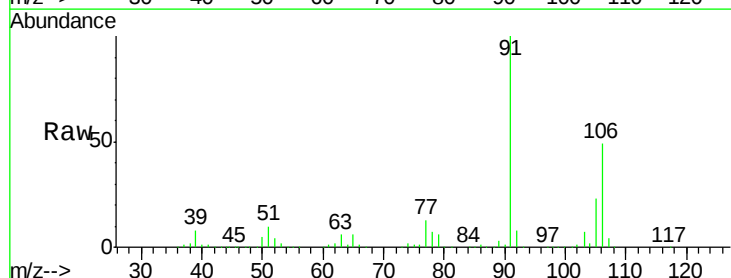
Acq: 11 Aug 2019 11:35

Tgt Ion: 106 Resp: 184316

Ion Ratio Lower Upper

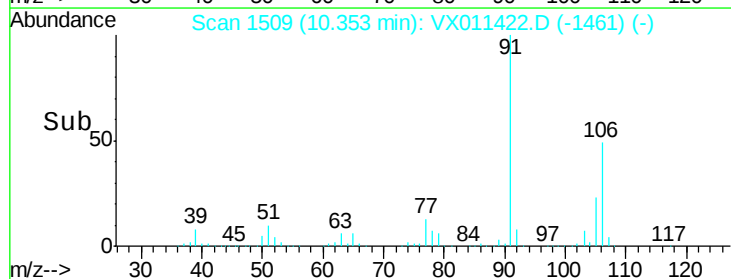
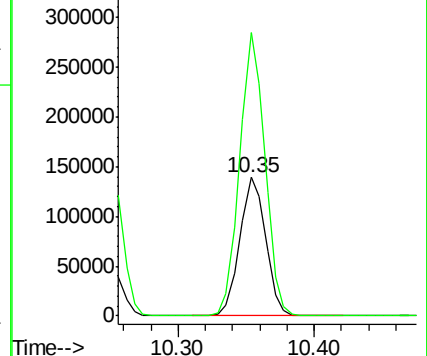
106 100

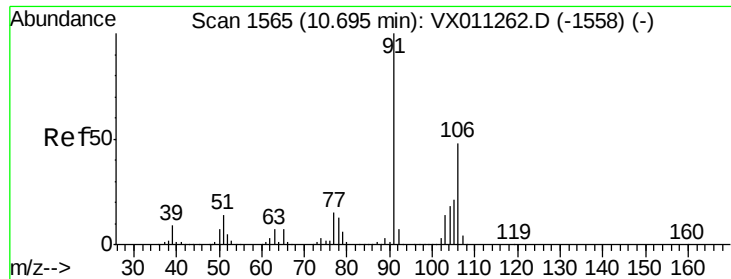
91 200.0 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





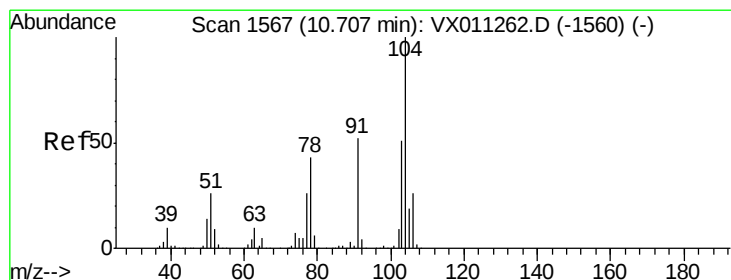
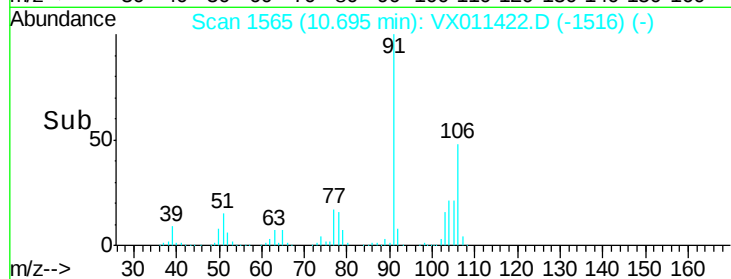
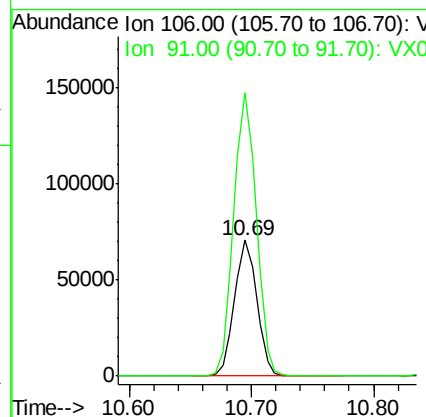
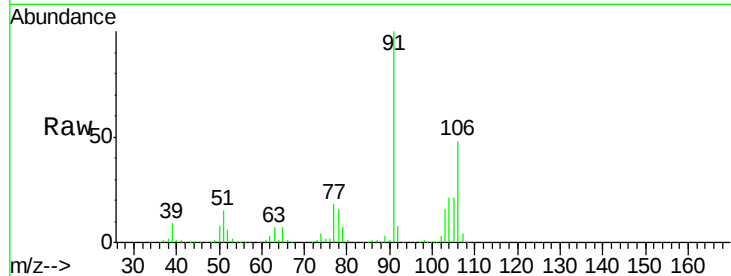
#69
o-Xylene
Concen: 19.658 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	103.8	311.3

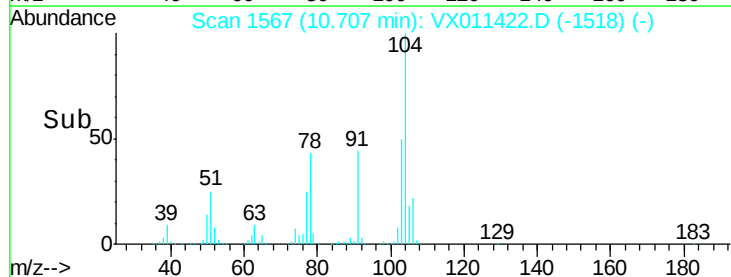
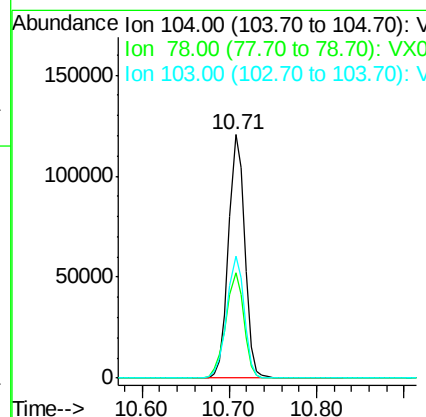
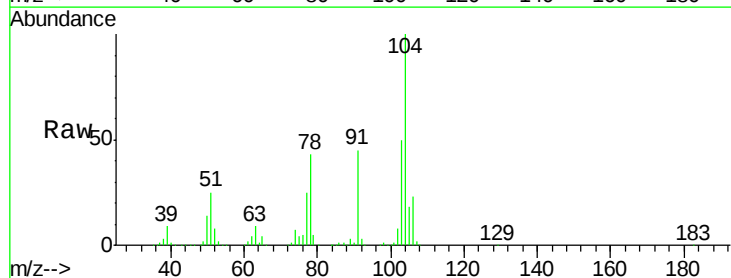
Manual Integrations
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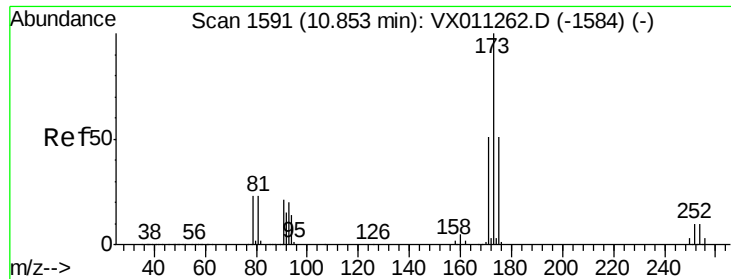
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#70
Styrene
Concen: 20.530 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	36.9	55.3
103	54.1	44.4	66.6





#71

Bromoform

Concen: 20.409 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion:173 Resp: 40794

Ion Ratio Lower Upper

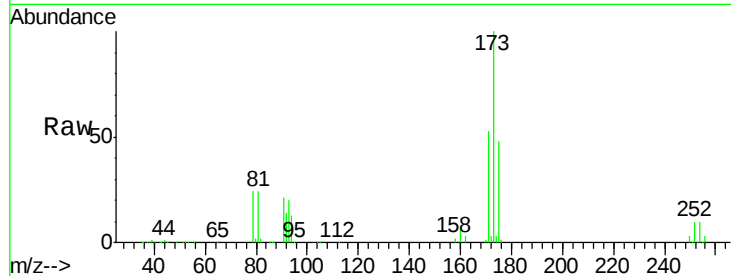
173 100

175 49.4 24.4 73.4

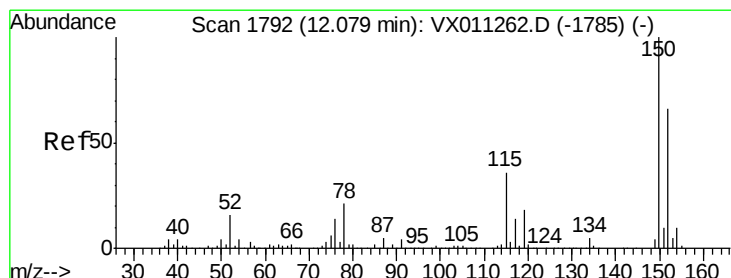
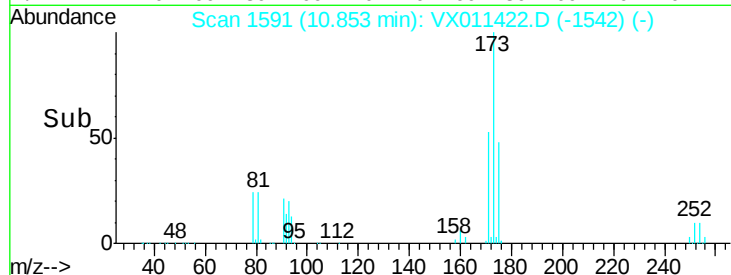
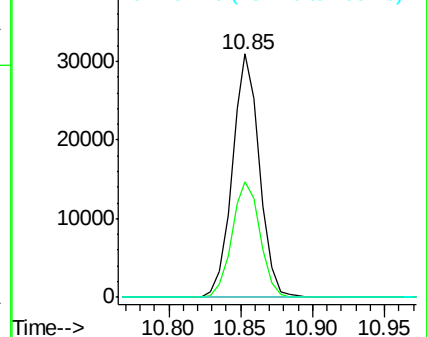
254 0.2 0.2 0.2

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8/12/2019 10:30:24 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

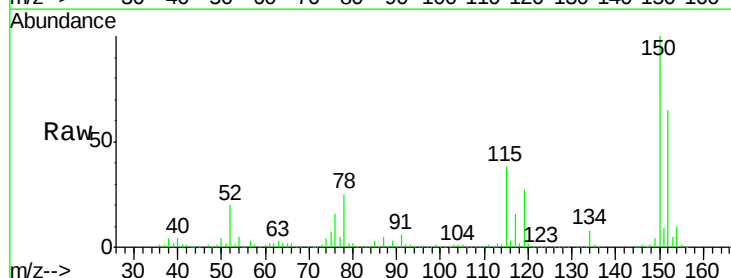
Tgt Ion:152 Resp: 177721

Ion Ratio Lower Upper

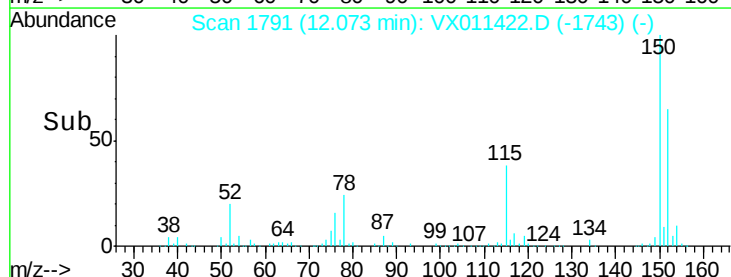
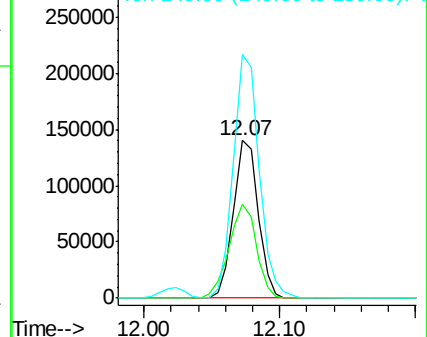
152 100

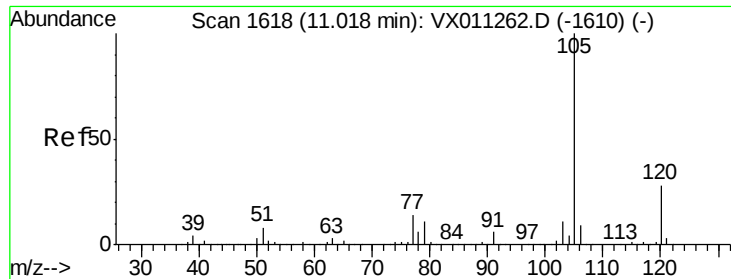
115 65.8 40.0 119.9

150 161.6 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.188 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 105 Resp: 245388

Ion Ratio Lower Upper

105 100

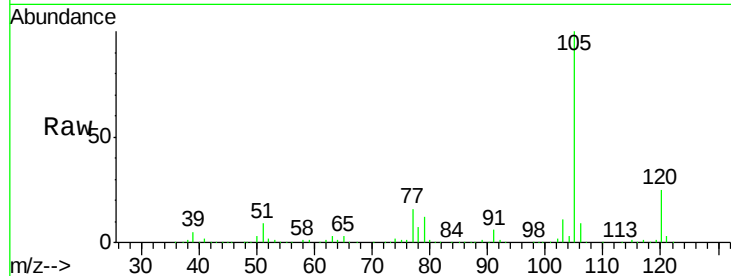
120 27.0 13.7 41.1

Manual Integrations

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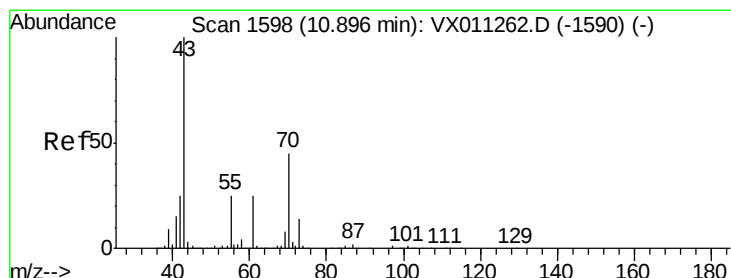
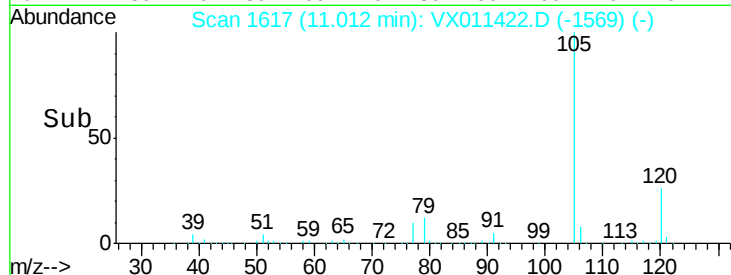
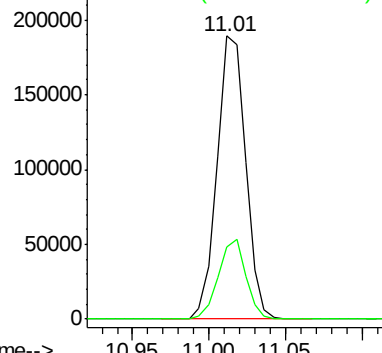
MMDadoda

8/12/2019 10:30:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.802 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion: 43 Resp: 91361

Ion Ratio Lower Upper

43 100

70 43.4 35.9 53.9

55 25.2 19.8 29.6

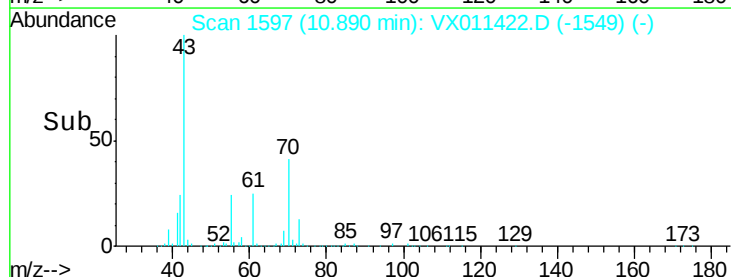
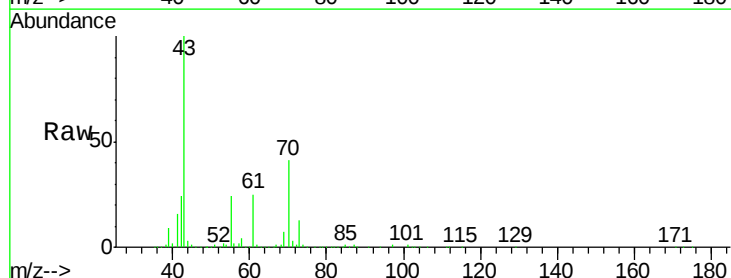
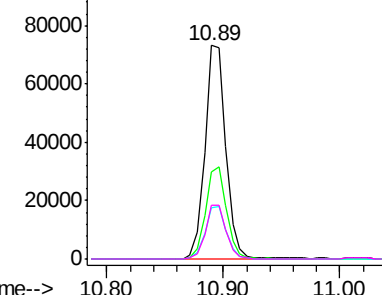
61 25.1 19.7 29.5

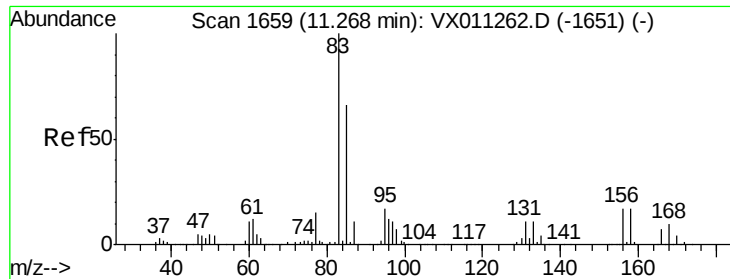
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.343 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

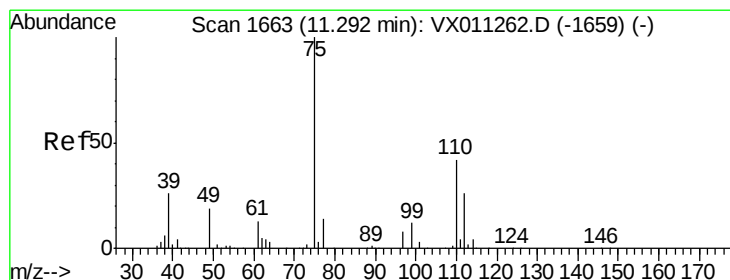
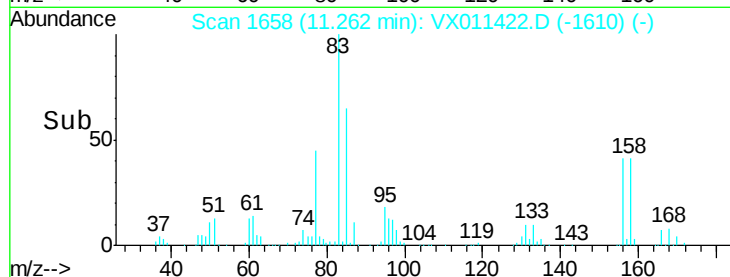
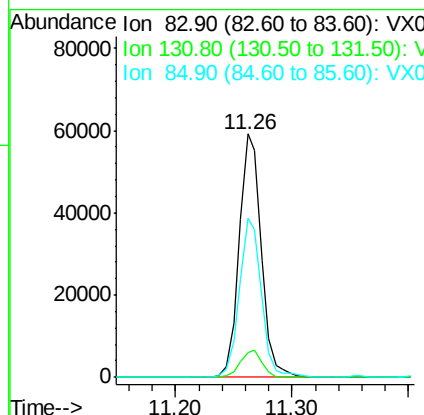
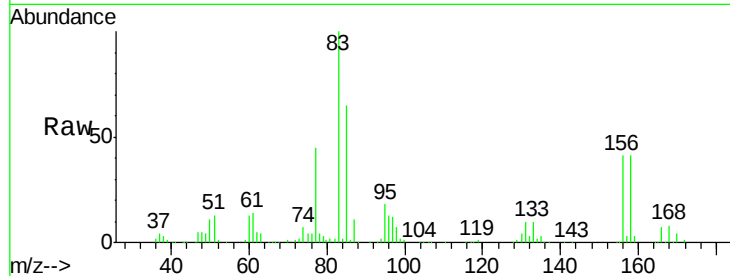
ClientSampleId :

VX0811WBS01

Tot Ion:	83	Resp:	78352
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	65.0	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 20.963 ug/l m

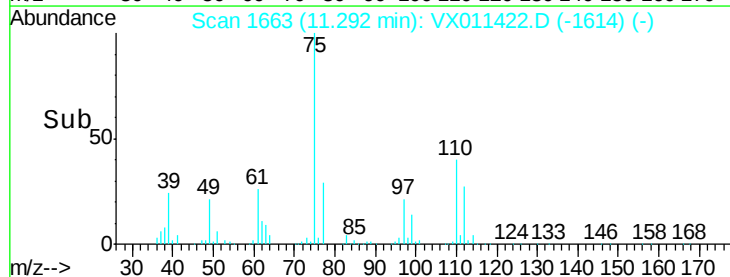
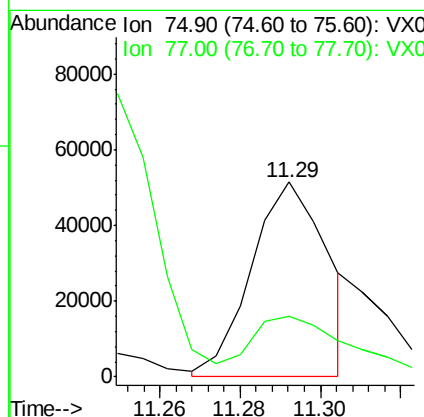
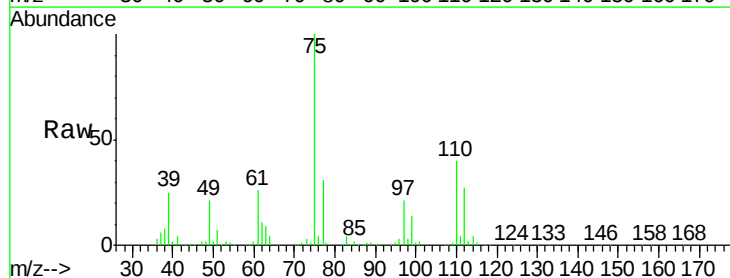
RT: 11.29 min Scan# 1663

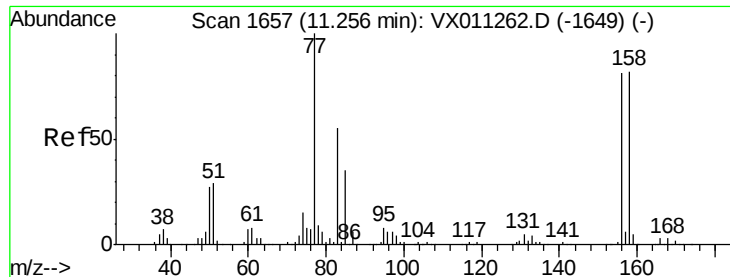
Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion:	75	Resp:	67848
Ion Ratio	Lower	Upper	
75	100		
77	40.8	21.1	63.4





#77

Bromobenzene

Concen: 19.595 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

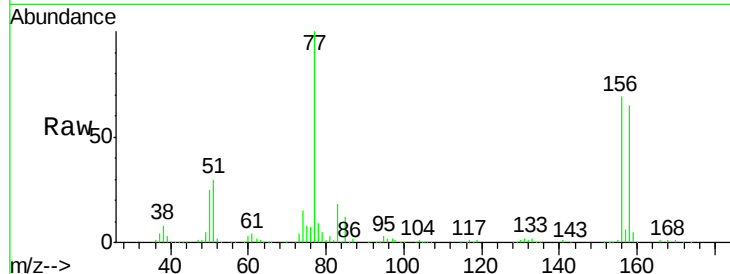
ClientSampleId :

VX0811WBS01

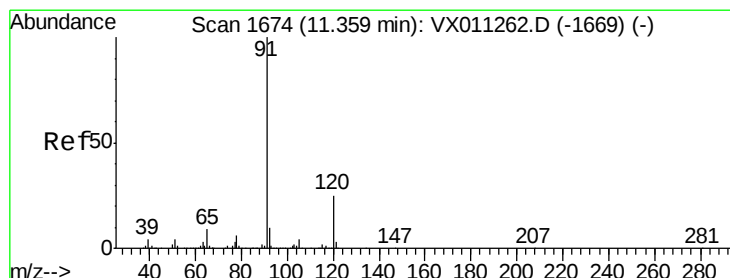
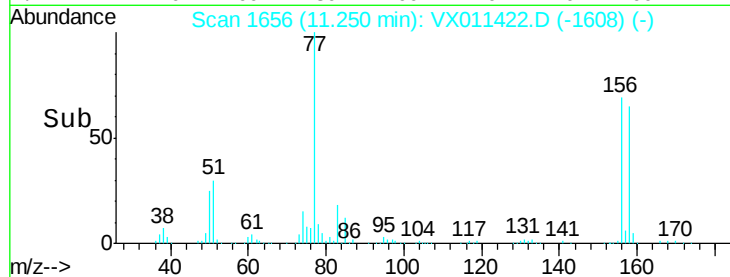
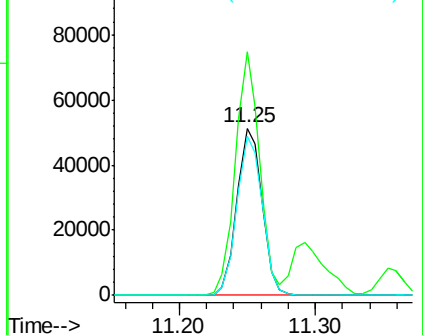
Tot Ion:	156	Resp:	66045
Ion	Ratio	Lower	Upper
156	100		
77	140.7	66.2	198.6
158	95.9	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.242 ug/l

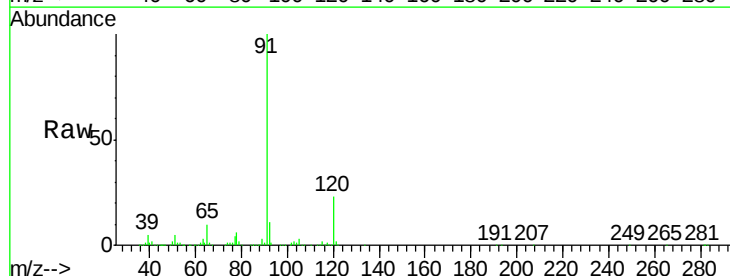
RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

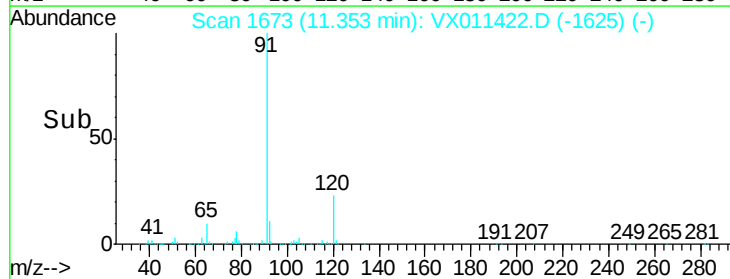
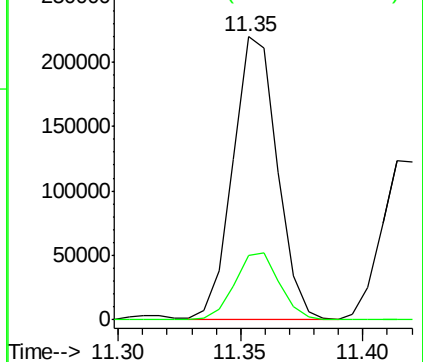
Lab File: VX011422.D

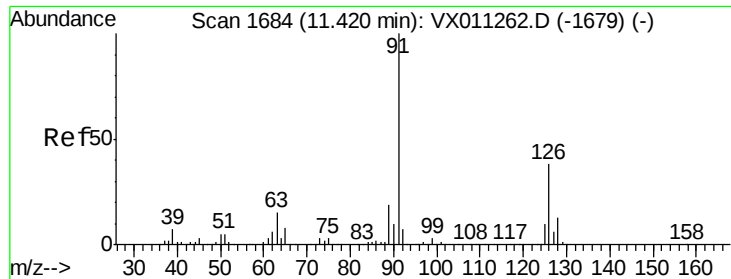
Acq: 11 Aug 2019 11:35

Tgt Ion:	91	Resp:	273608
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.4	37.0



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





#79

2-Chlorotoluene

Concen: 20.252 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion: 91 Resp: 163159

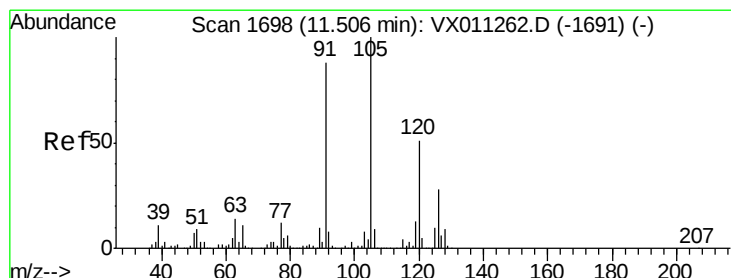
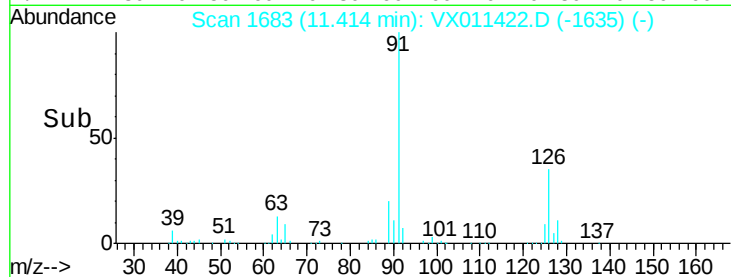
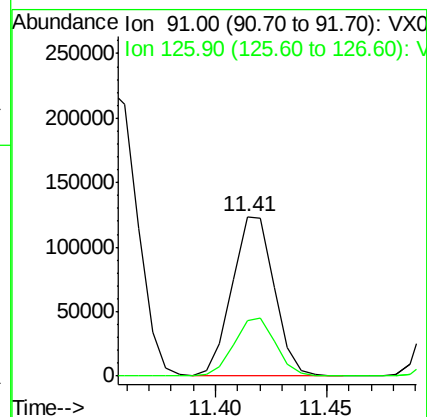
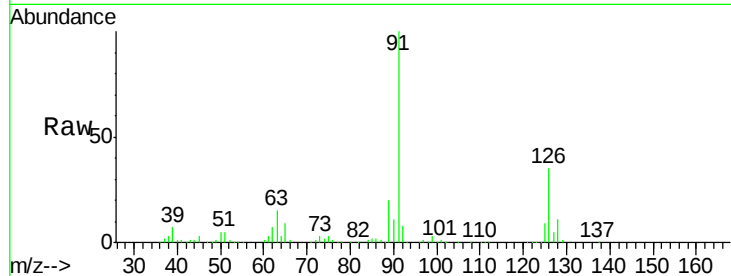
Ion Ratio Lower Upper

91 100

126 36.3 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.316 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011422.D

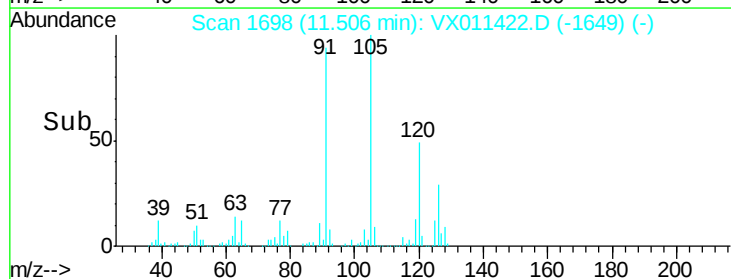
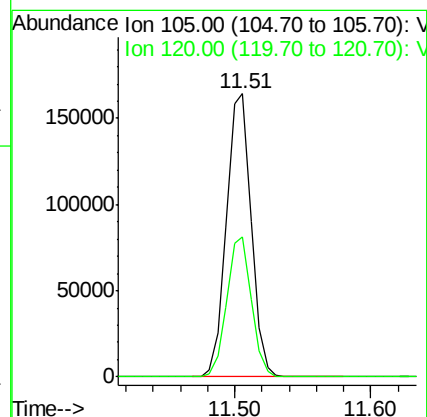
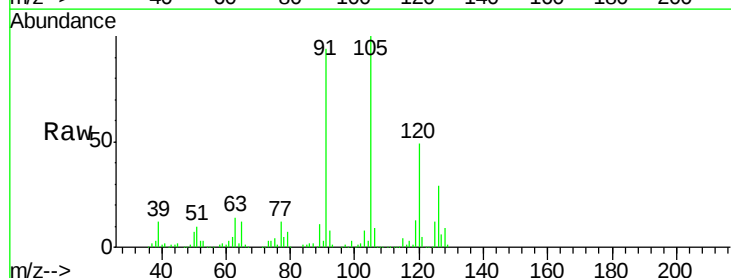
Acq: 11 Aug 2019 11:35

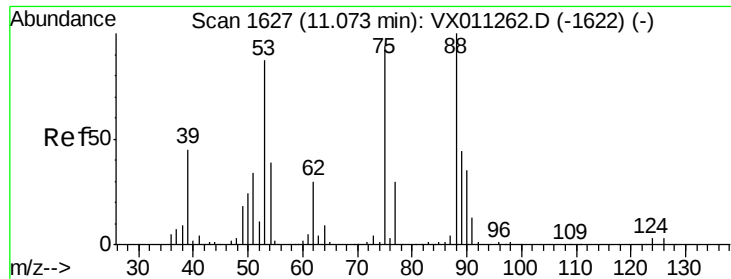
Tgt Ion: 105 Resp: 206716

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.2





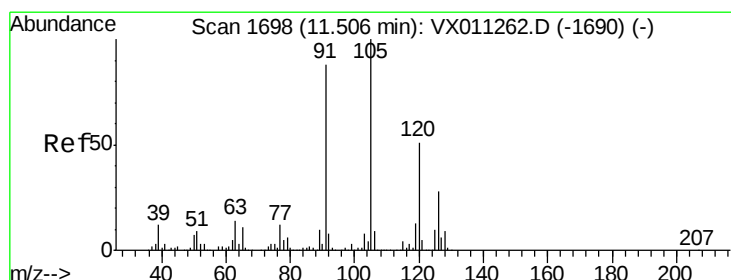
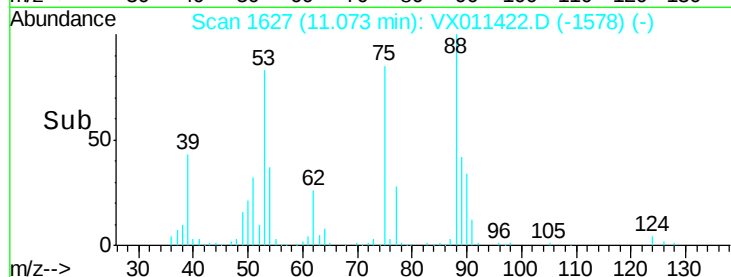
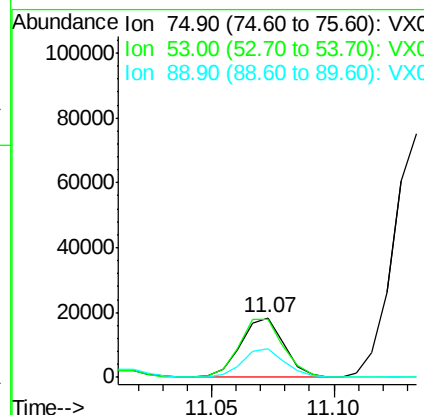
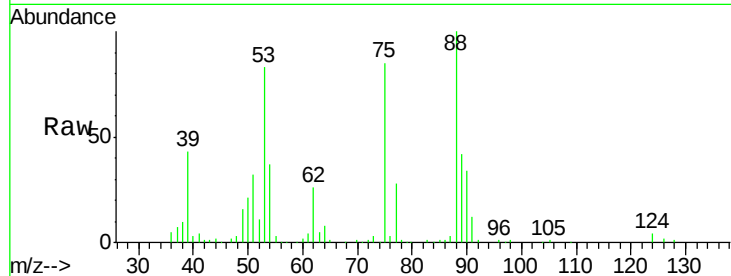
#81
trans-1,4-Dichloro-2-butene
Concen: 21.282 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	78.2	117.4
89	48.7	37.9	56.9

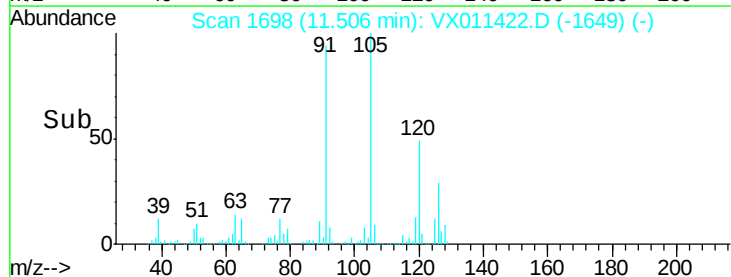
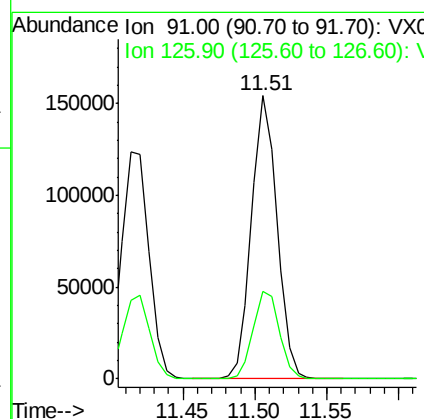
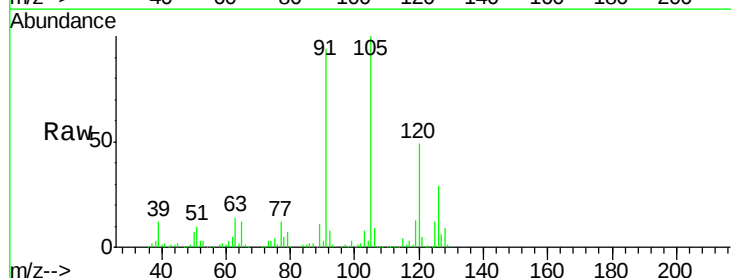
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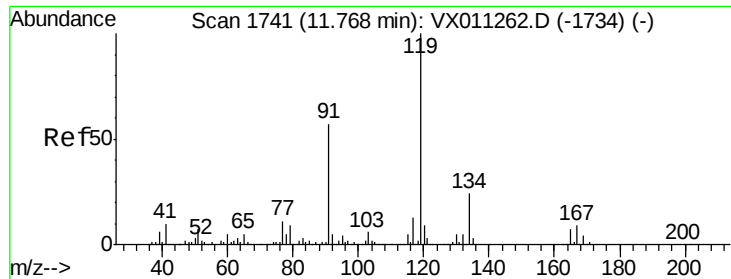
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.088 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.2





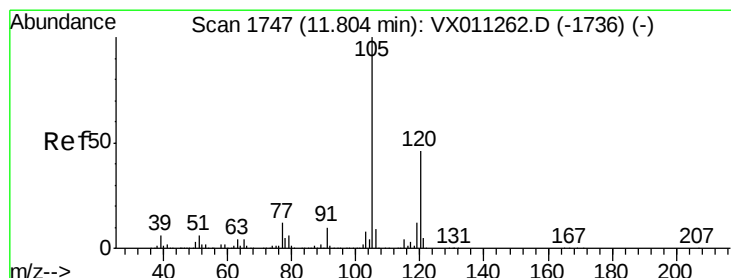
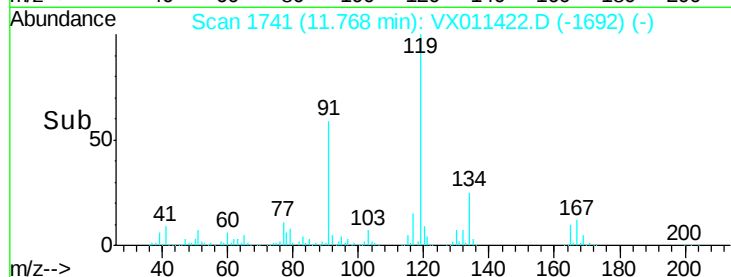
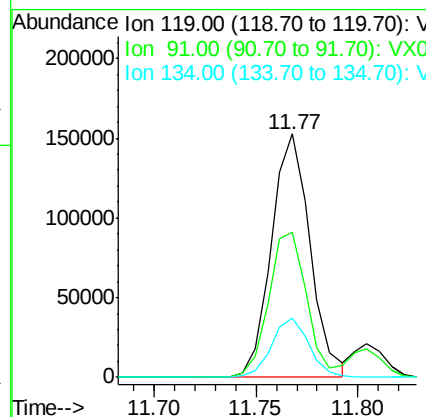
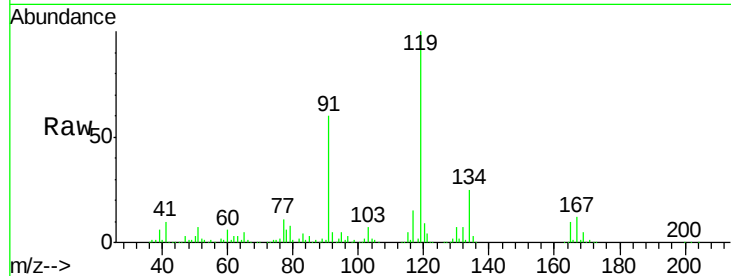
#83
 tert-Butylbenzene
 Concen: 20.235 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201930		
91	58.2		28.0	84.0
134	23.6		11.9	35.5

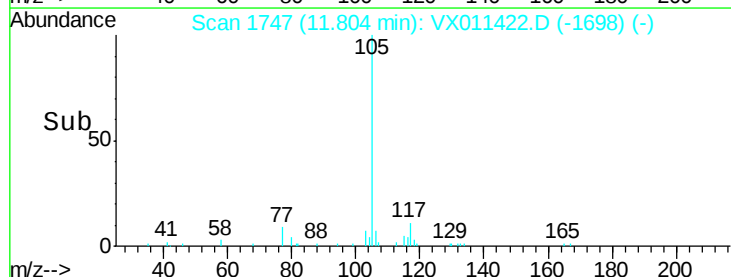
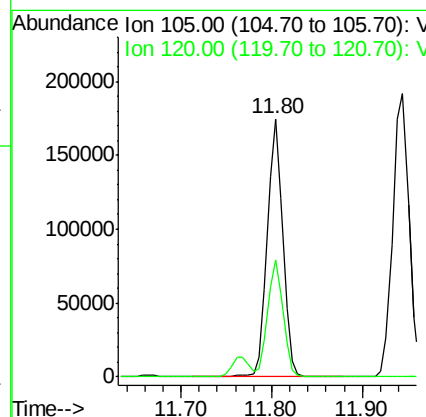
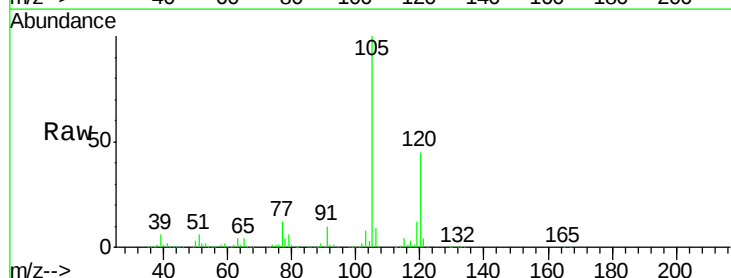
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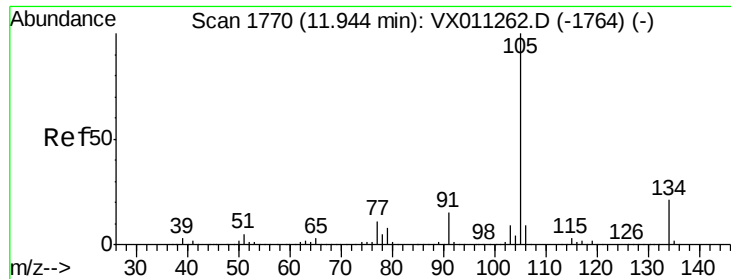
MMDadoda
 8/12/2019 10:30:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.658 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209270		
120	44.9		23.0	69.0





#85

sec-Butylbenzene

Concen: 19.931 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS01

Tot Ion:105 Resp: 238965

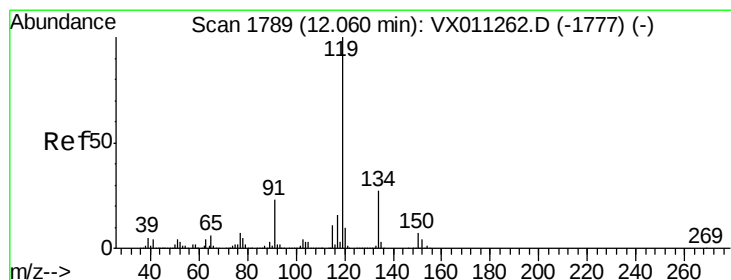
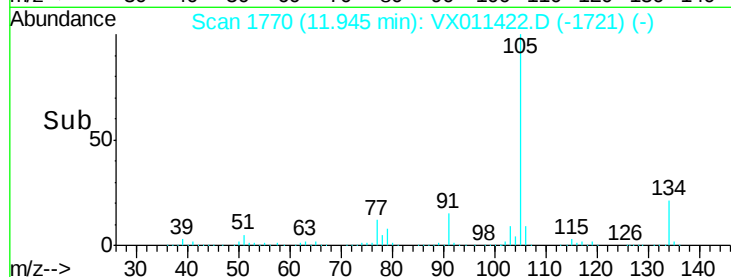
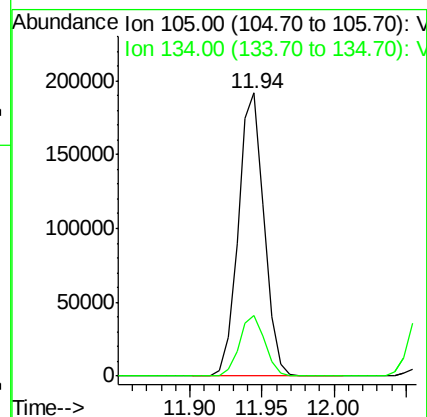
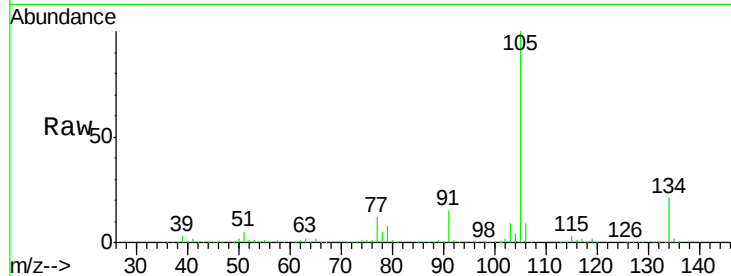
Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.283 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

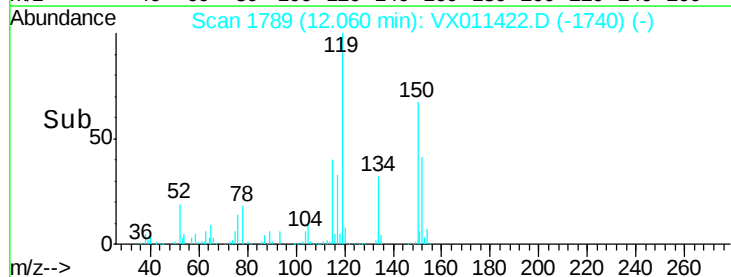
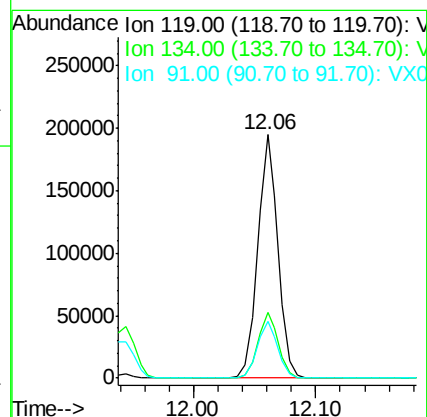
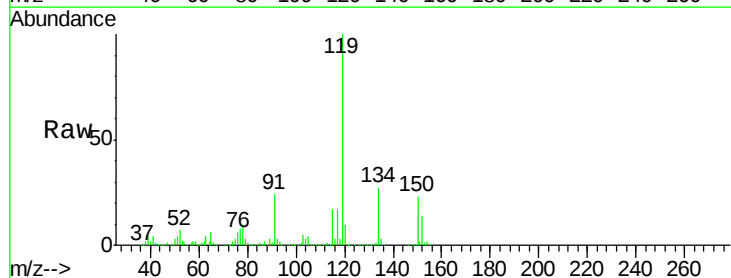
Tgt Ion:119 Resp: 223729

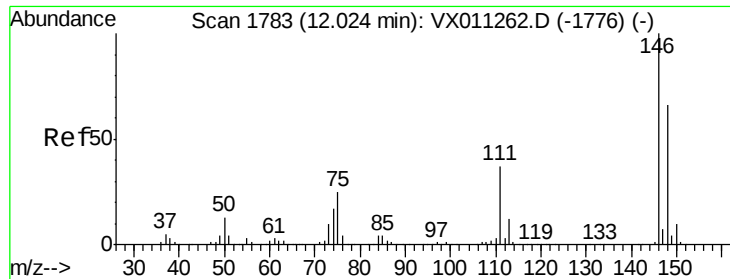
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

91 23.9 11.4 34.2





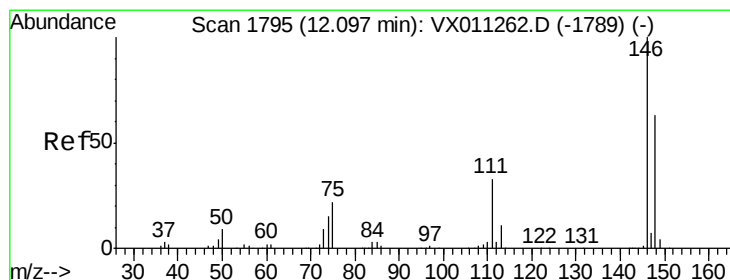
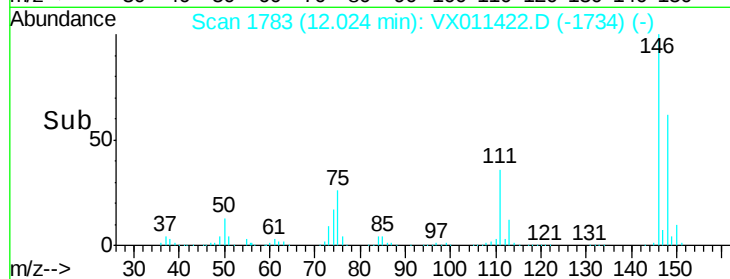
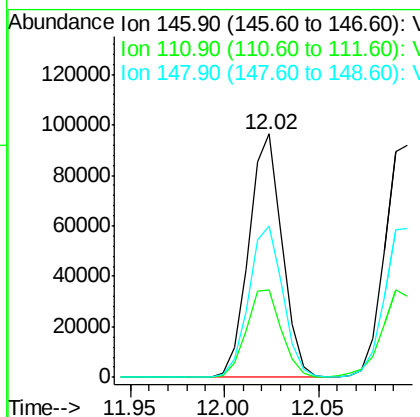
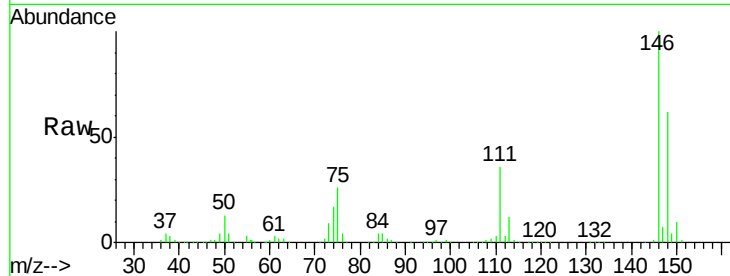
#87
 1,3-Dichlorobenzene
 Concen: 19.813 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	63.3	32.5	97.5

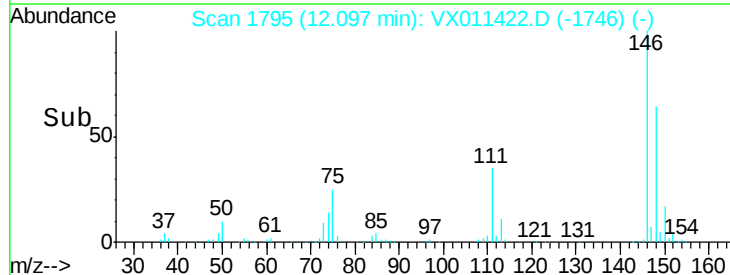
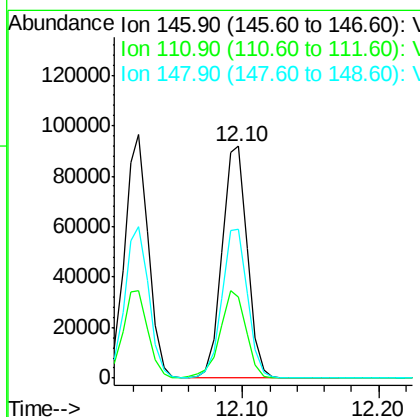
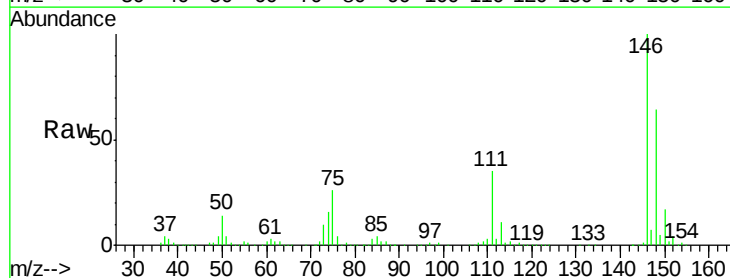
Manual Integrations
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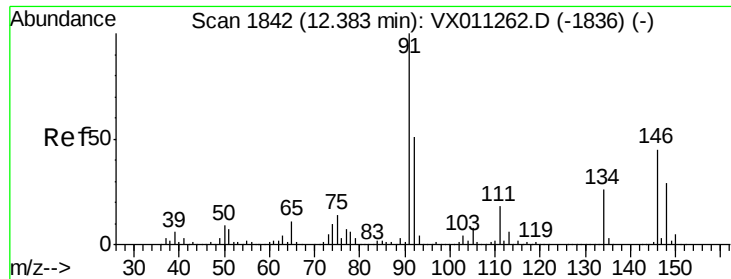
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#88
 1,4-Dichlorobenzene
 Concen: 19.165 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	17.8	53.4
148	65.3	31.8	95.3





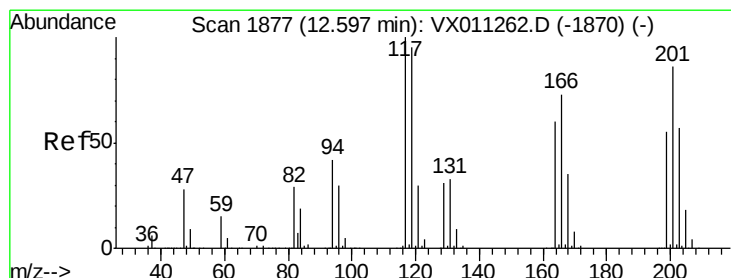
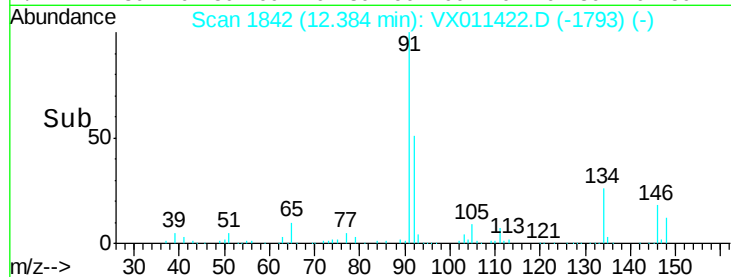
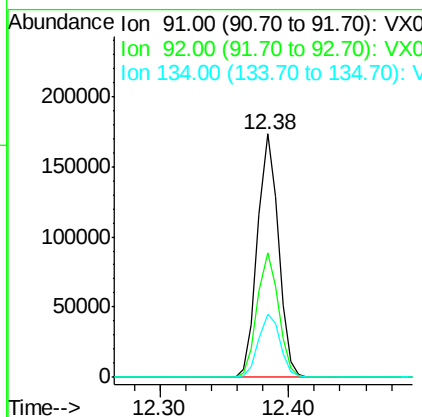
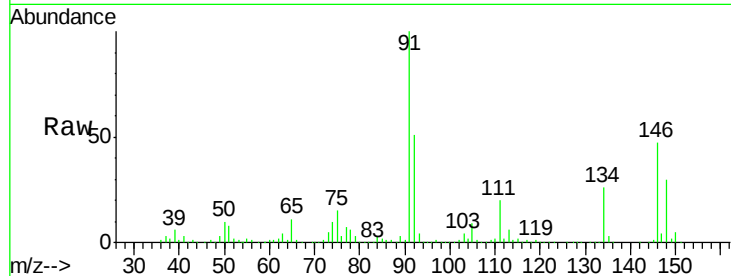
#89
n-Butylbenzene
Concen: 20.364 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.3
134	26.7	13.7	41.0

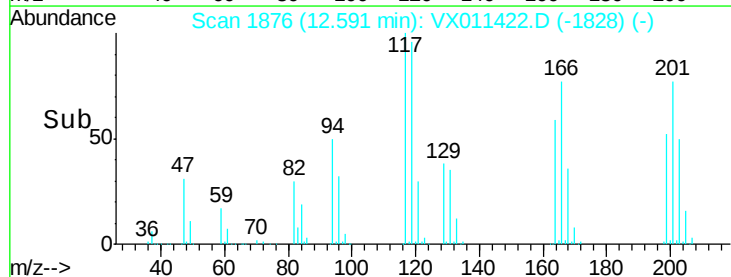
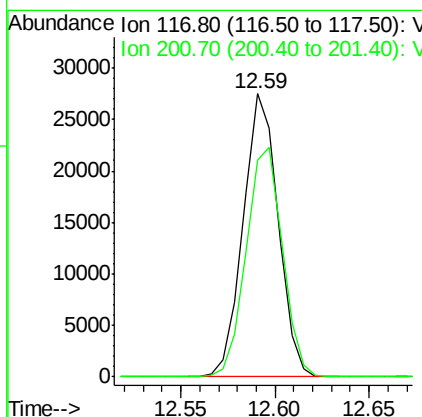
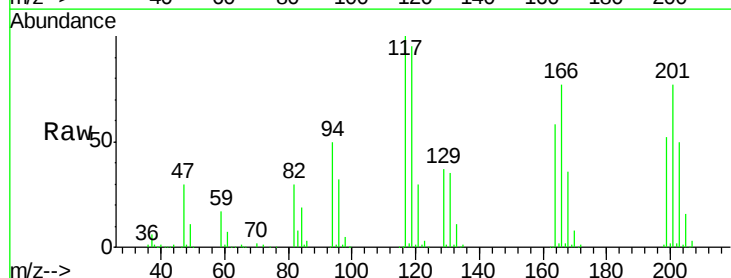
Manual Integrations
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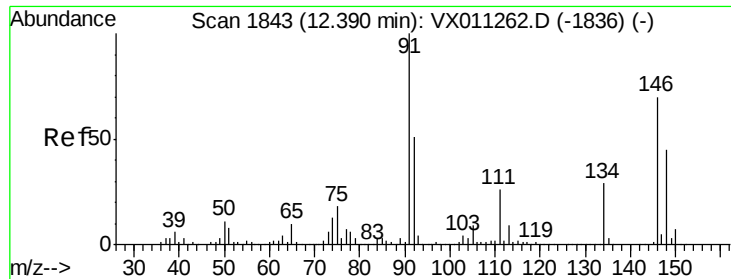
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#90
Hexachloroethane
Concen: 21.696 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011422.D
Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	41.8	125.4





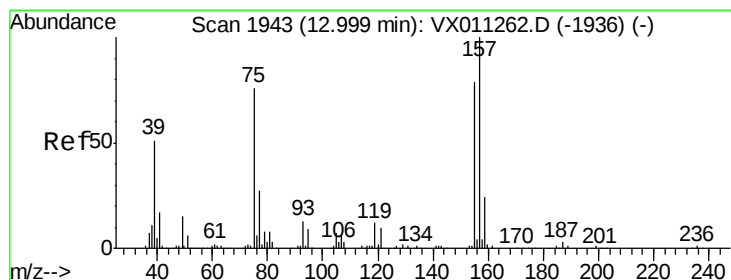
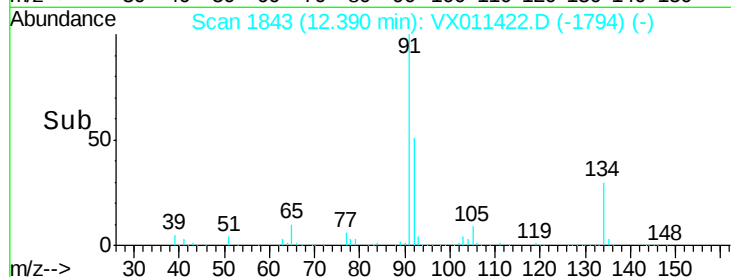
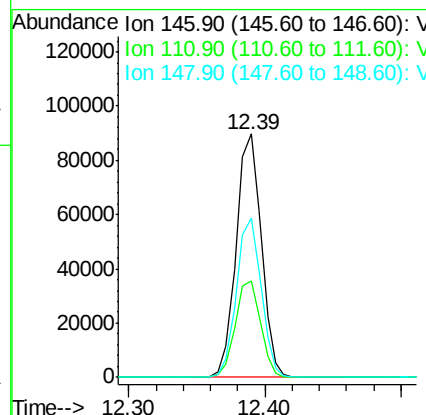
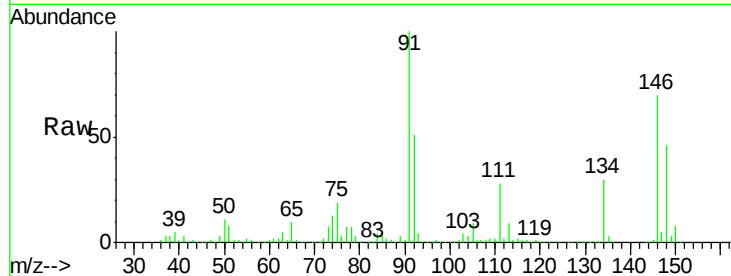
#91
 1,2-Dichlorobenzene
 Concen: 19.292 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.1
148	64.4	32.3	96.8

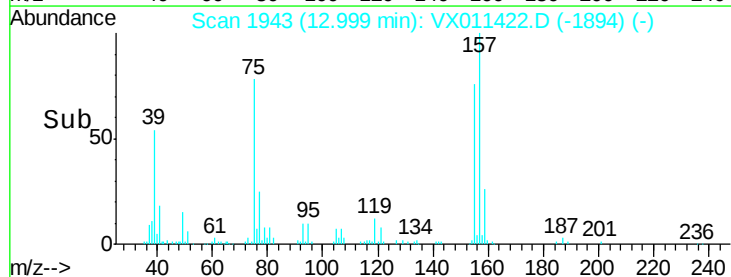
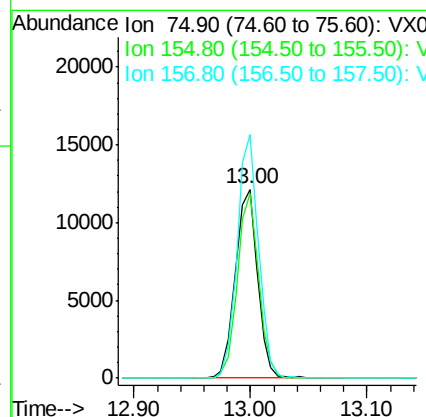
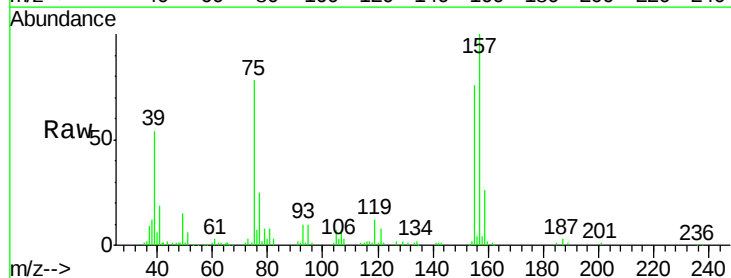
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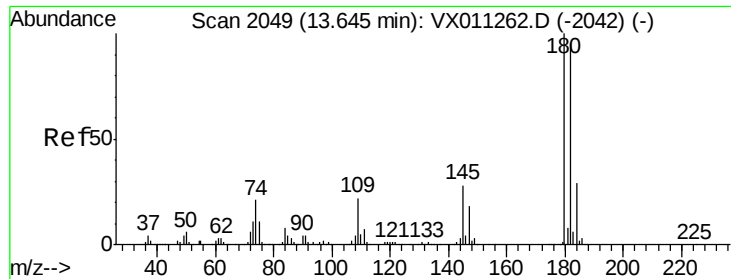
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.726 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	51.9	155.8
157	122.6	64.3	192.7





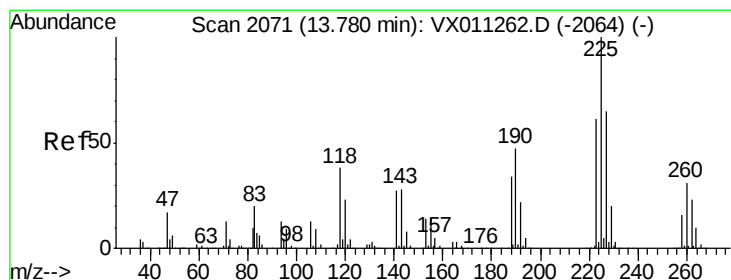
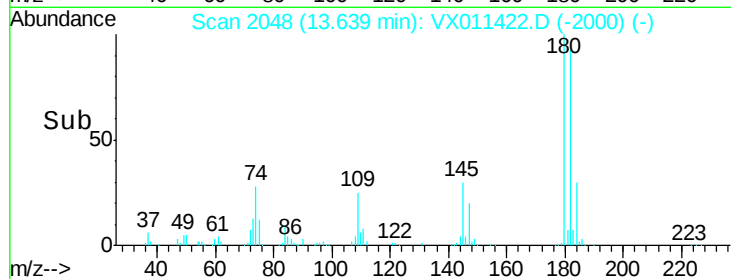
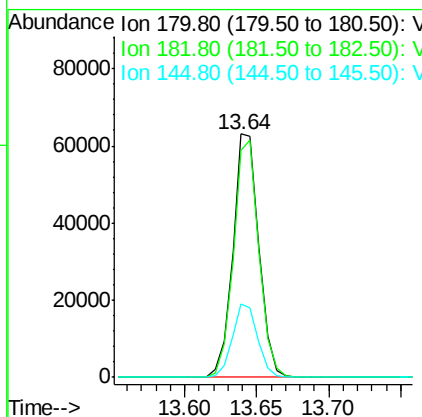
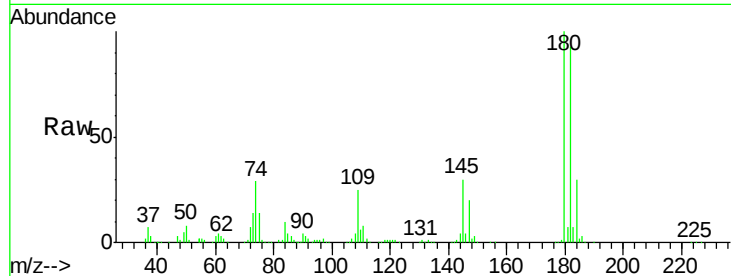
#93
 1,2,4-Trichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79537		
182	95.1		47.8	143.4
145	29.6		14.8	44.3

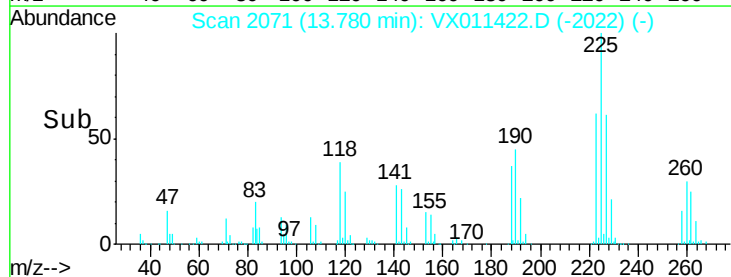
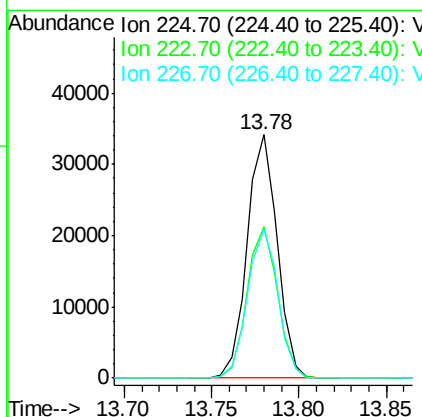
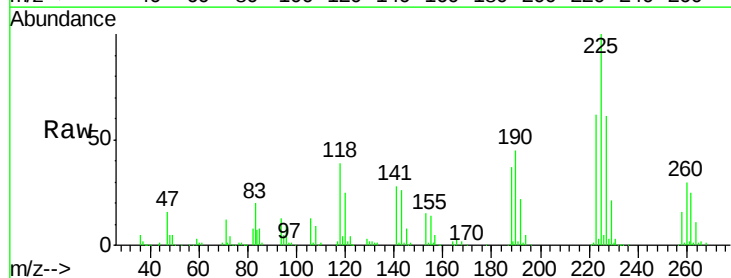
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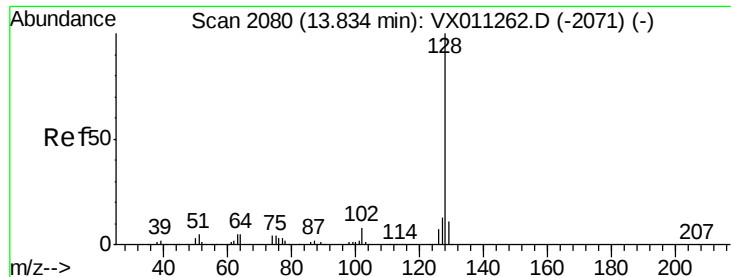
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#94
 Hexachlorobutadiene
 Concen: 20.185 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011422.D
 Acq: 11 Aug 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40639		
223	62.9		31.0	93.0
227	62.1		32.2	96.6





#95

Naphthalene

Concen: 20.137 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Instrument :

MSVOA_X

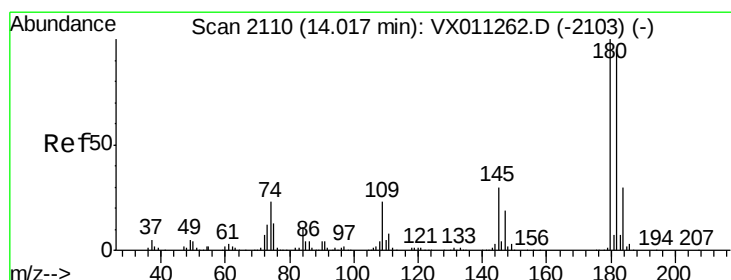
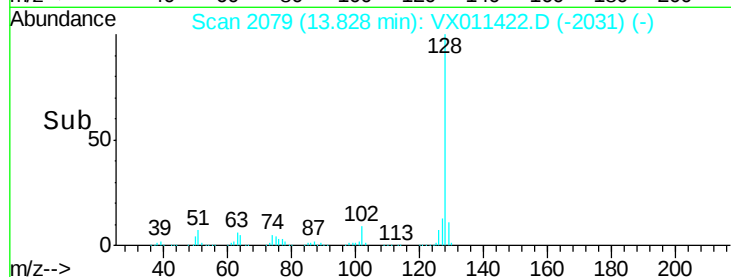
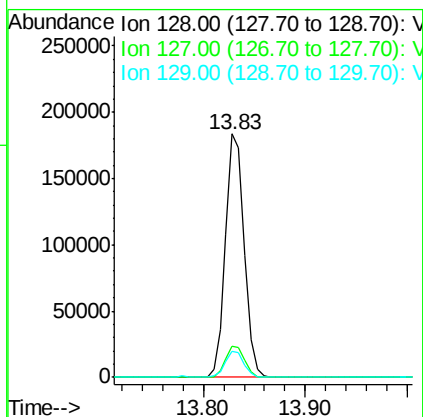
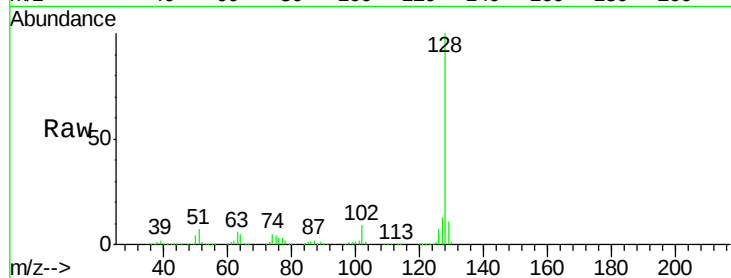
ClientSampleId :

VX0811WBS01

Tot Ion:	128	Resp:	233691
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.466 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011422.D

Acq: 11 Aug 2019 11:35

Tgt Ion:	180	Resp:	78533
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.4	142.3
145	32.0	15.2	45.6

