

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008108.D
 Acq On : 15 Mar 2019 15:23
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:12 AM

Quant Time: Mar 16 01:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	41697	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	222716	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	197188	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	76871	28.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.50%
60) 4-Bromofluorobenzene	11.13	95	91684	29.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.10%
63) Toluene-d8	8.71	98	264609	29.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	44430	17.949 ug/l	97
3) Chloromethane	1.33	50	40844	14.838 ug/l	95
4) Vinyl Chloride	1.41	62	43091	15.804 ug/l	97
5) Bromomethane	1.65	94	28833	21.211 ug/l	99
6) Chloroethane	1.73	64	27141	17.044 ug/l	94
7) Trichlorofluoromethane	1.93	101	59394	17.493 ug/l	98
8) Diethyl Ether	2.19	74	31790	18.181 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47965	18.790 ug/l	94
10) 1,1-Dichloroethene	2.38	96	45607	18.849 ug/l	97
11) Methyl Iodide	2.51	142	75907	20.041 ug/l	92
12) Methyl Acetate	2.78	43	62340	16.291 ug/l	95
13) Acrolein	2.30	56	37691	83.957 ug/l	96
14) Acrylonitrile	3.15	53	141929	87.374 ug/l	99
15) Acetone	2.45	58	41073	70.035 ug/l	87
16) Carbon Disulfide	2.57	76	130144	17.144 ug/l	98
17) Allyl chloride	2.73	41	77063	15.535 ug/l	92
18) Methylene Chloride	2.86	84	49719	18.038 ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	48368	18.893 ug/l	95
20) Diisopropyl ether	3.87	45	158425	17.458 ug/l	95
21) 1,1-Dichloroethane	3.70	63	90534	18.343 ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	58501	19.810 ug/l	98
23) tert-Butyl Alcohol	3.07	59	63236	96.495 ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	152447	18.325 ug/l	93
25) Chloroform	5.21	83	90207	19.364 ug/l	94
26) Cyclohexane	5.57	56	79373	17.404 ug/l	# 97
29) 1,1-Dichloropropene	5.80	75	66547	18.845 ug/l	99
30) 2-Butanone	4.70	43	207788	87.241 ug/l	99
31) 2,2-Dichloropropane	4.59	77	61949	18.993 ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	77347	20.255 ug/l	99
33) Carbon Tetrachloride	5.78	117	67723	19.995 ug/l	93
34) Benzene	6.15	78	209189	19.330 ug/l	98
35) Methacrylonitrile	5.06	41	41127	17.720 ug/l	99
36) 1,2-Dichloroethane	6.20	62	67707	19.230 ug/l	97
37) Trichloroethene	7.21	130	59646	20.343 ug/l	99
38) Methylcyclohexane	7.46	83	82195	18.307 ug/l	98
39) 1,2-Dichloropropane	7.52	63	53725	19.036 ug/l	99
40) Dibromomethane	7.66	93	35055	19.581 ug/l	86

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

41) Bromodichloromethane	7.90	83	63439	18.748	ug/l	98
42) Vinyl Acetate	3.82	43	688775	89.337	ug/l	99
43) Ethyl Acetate	4.86	43	75576	18.217	ug/l #	81
44) Isopropyl Acetate	6.46	43	113271	17.894	ug/l	96
45) 1,4-Dioxane	7.75	88	29564	446.402	ug/l	97
46) Methyl methacrylate	7.77	41	59572	17.894	ug/l	93
47) n-amyl Acetate	10.90	43	94546	17.335	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	69164	18.873	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	78479	18.912	ug/l	93
50) 1,1,2-Trichloroethane	9.21	97	54720	20.053	ug/l	95
51) Ethyl methacrylate	9.18	69	79452	19.199	ug/l	93
52) 1,3-Dichloropropane	9.37	76	88162	19.553	ug/l	99
53) Dibromochloromethane	9.59	129	56301	20.058	ug/l	100
54) 1,2-Dibromoethane	9.67	107	58224	20.409	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	174167	90.488	ug/l	99
56) Bromoform	10.86	173	45179	20.179	ug/l #	96
58) 4-Methyl-2-Pentanone	8.65	43	385560	94.970	ug/l	97
59) 2-Hexanone	9.49	43	293581	91.609	ug/l	96
61) Tetrachloroethene	9.34	164	61946	21.535	ug/l	96
62) Toluene	8.79	91	227273	19.738	ug/l	100
64) Chlorobenzene	10.14	112	148155	20.189	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	54781	20.849	ug/l	99
66) Ethyl Benzene	10.25	91	236697	19.138	ug/l	98
67) m/p-Xylenes	10.36	106	186420	39.310	ug/l	98
68) o-Xylene	10.70	106	91435	19.856	ug/l	98
69) Styrene	10.71	104	151514	19.969	ug/l	98
70) Isopropylbenzene	11.02	105	243925	19.823	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	81876	20.147	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	78965m	20.614	ug/l	
73) Bromobenzene	11.26	156	67898	20.755	ug/l	98
74) n-propylbenzene	11.36	91	264912	19.086	ug/l	100
75) 2-Chlorotoluene	11.42	91	160907	19.341	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	202033	19.811	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	22741	19.214	ug/l	90
78) 4-Chlorotoluene	11.51	91	180776	19.219	ug/l	97
79) tert-butylbenzene	12.06	119	215226	19.667	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	206263	19.929	ug/l	98
81) sec-Butylbenzene	11.94	105	237065	19.340	ug/l	100
82) p-Isopropyltoluene	12.06	119	215226	19.667	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	118035	20.266	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	116793	20.042	ug/l	99
85) n-Butylbenzene	12.38	91	168480	18.002	ug/l	100
86) Hexachloroethane	12.60	117	33962	19.047	ug/l	78
87) 1,2-Dichlorobenzene	12.39	146	119280	20.722	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16588	19.983	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	82062	19.837	ug/l	99
90) Hexachlorobutadiene	13.78	225	45341	19.873	ug/l	97
91) Naphthalene	13.83	128	243262	20.514	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	83781	20.376	ug/l	99

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VSTDCCC020EC

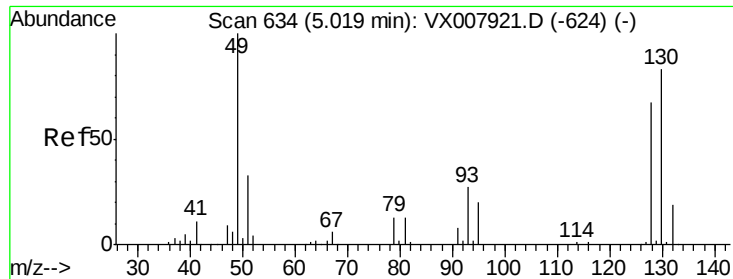
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

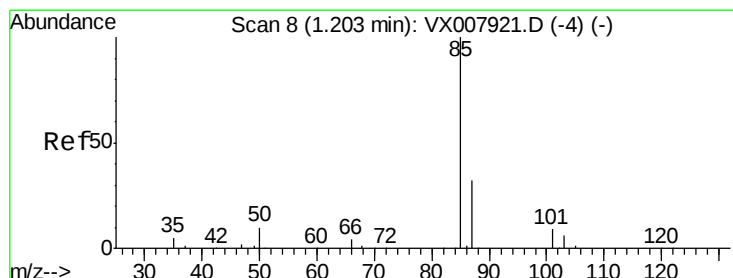
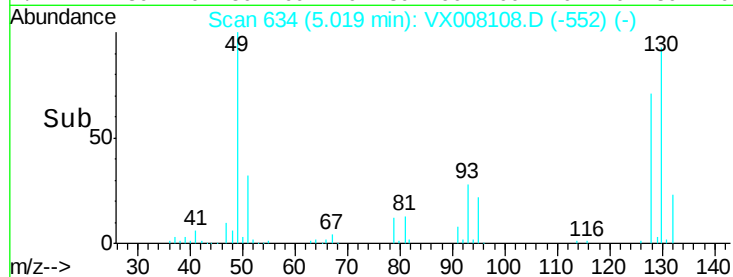
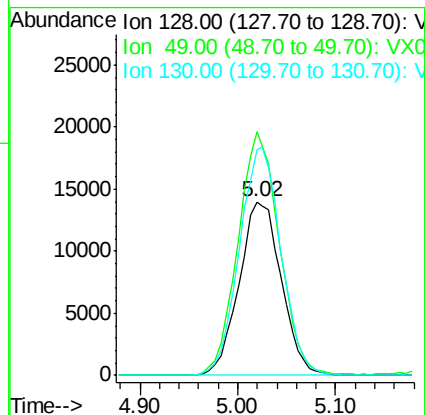
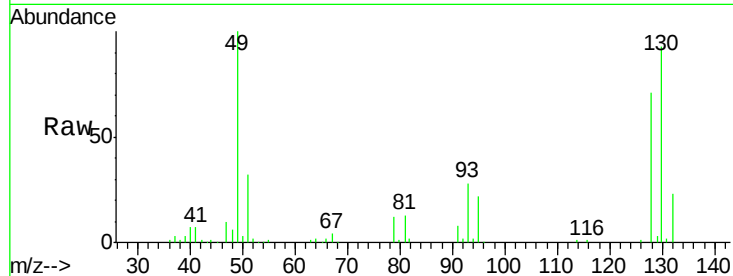
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.0	0.0	350.8
130	129.9	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 17.949 ug/l

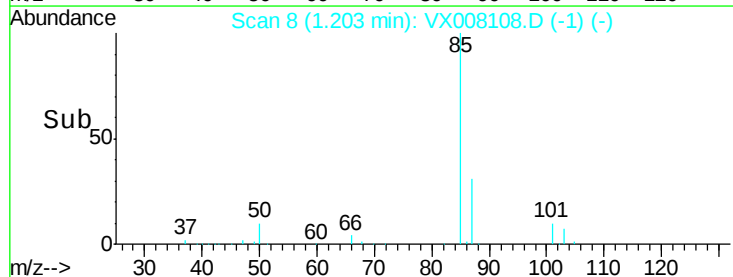
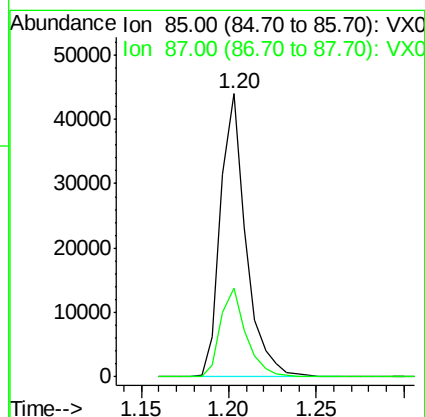
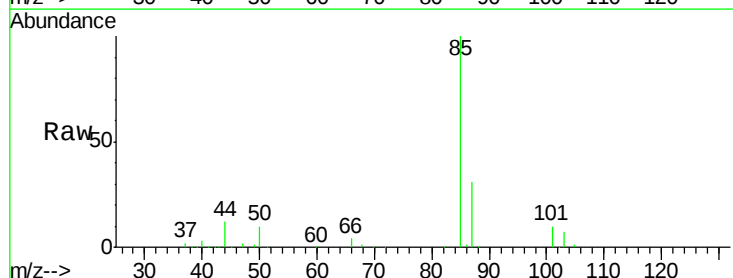
RT: 1.20 min Scan# 8

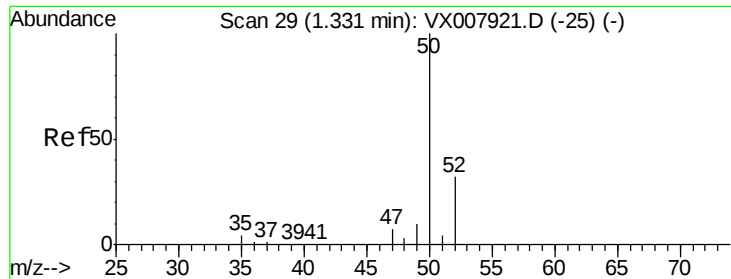
Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.6	49.8





#3

Chloromethane

Concen: 14.838 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 40844

Ion Ratio Lower Upper

50 100

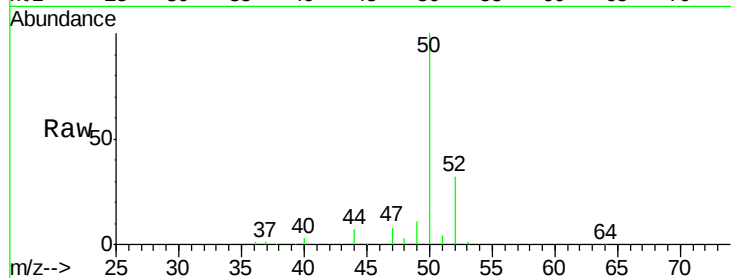
52 31.7 27.5 41.3

Manual Integrations

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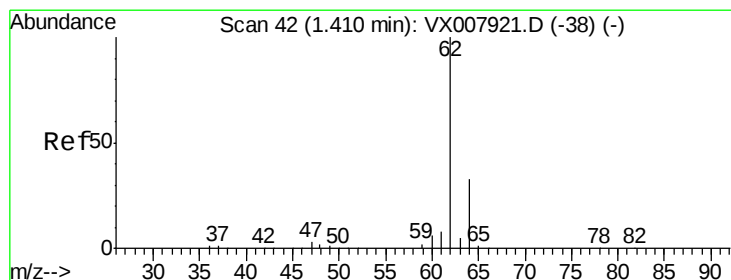
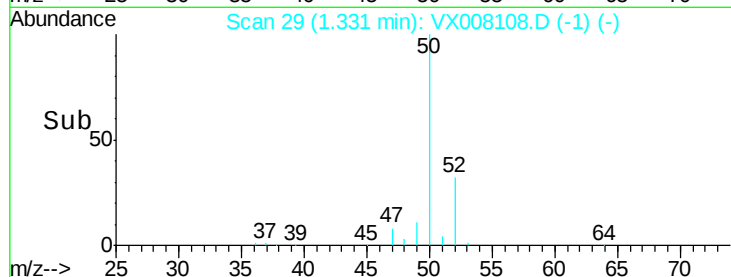
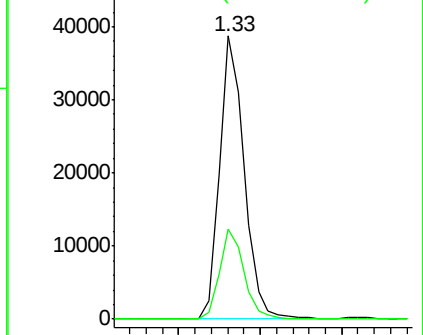
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 15.804 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008108.D

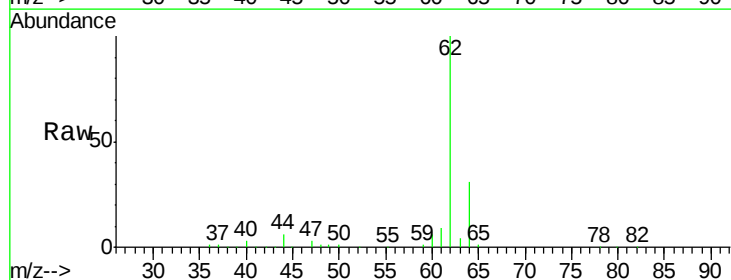
Acq: 15 Mar 2019 15:23

Tgt Ion: 62 Resp: 43091

Ion Ratio Lower Upper

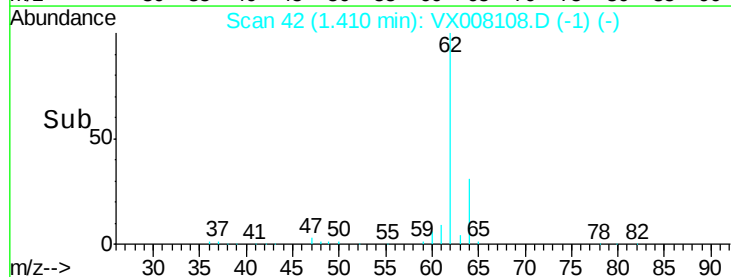
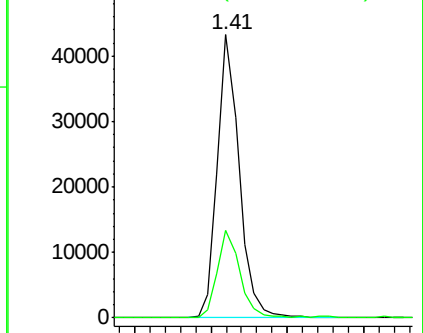
62 100

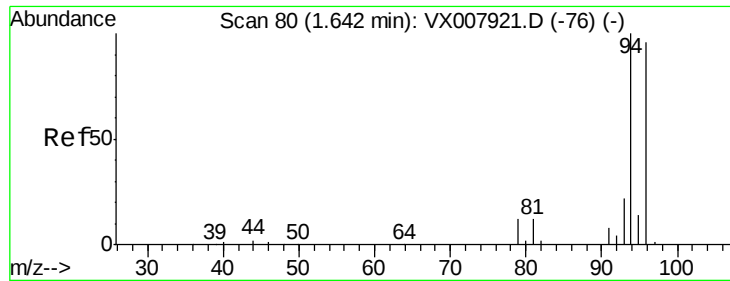
64 30.5 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 21.211 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 28833

Ion Ratio Lower Upper

94 100

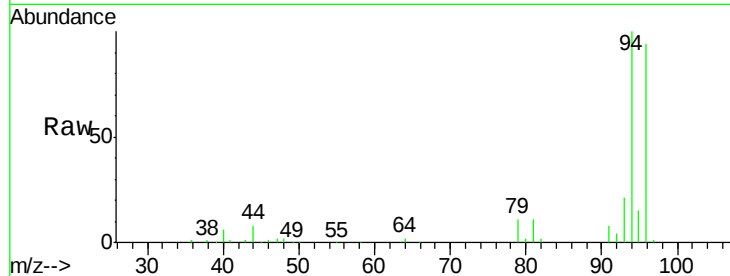
96 93.8 75.6 113.4

Manual Integrations

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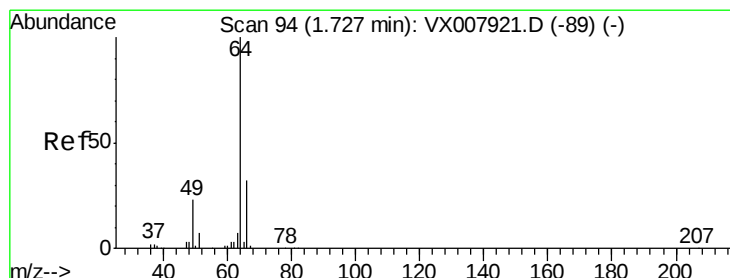
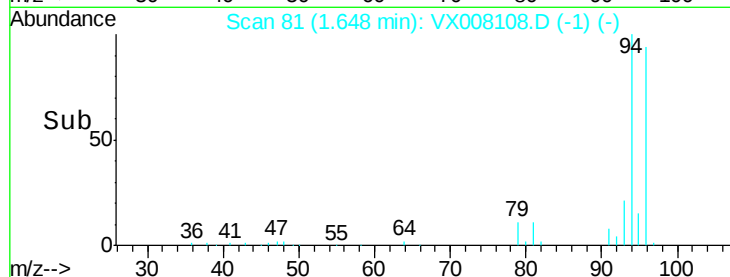
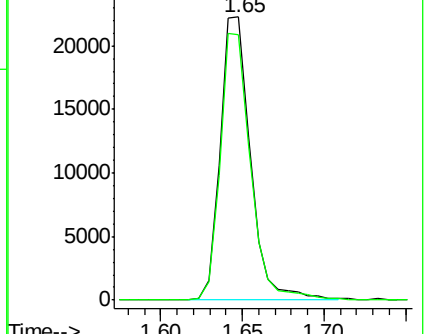
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3/16/2019 10:33:12 AM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.044 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX008108.D

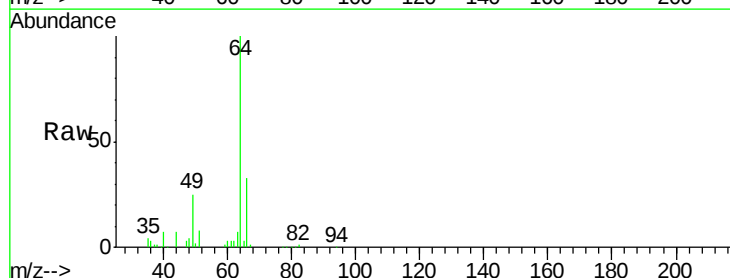
Acq: 15 Mar 2019 15:23

Tgt Ion: 64 Resp: 27141

Ion Ratio Lower Upper

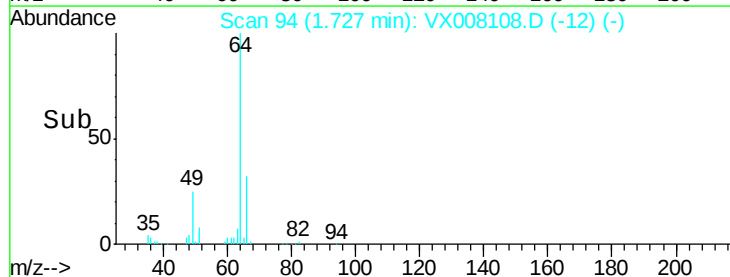
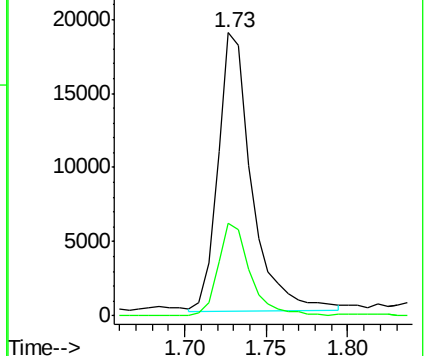
64 100

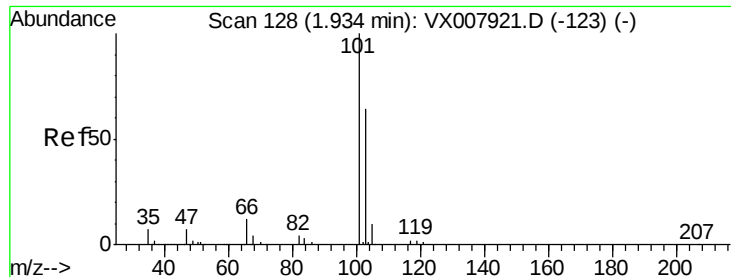
66 33.2 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

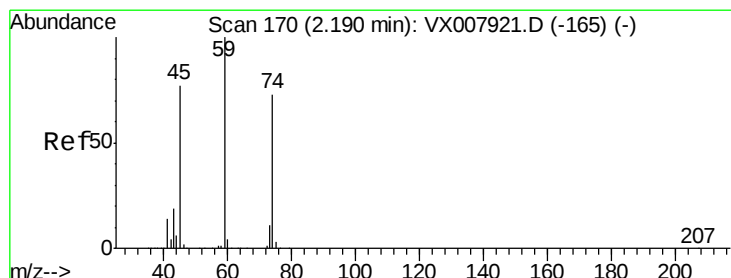
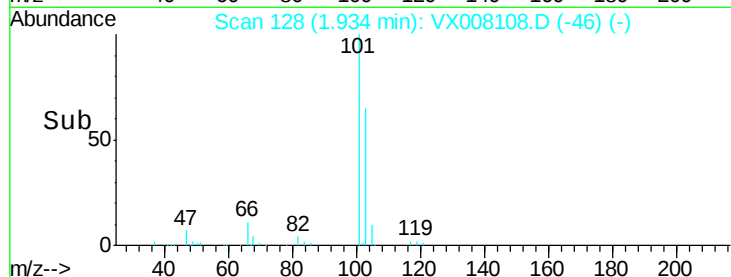
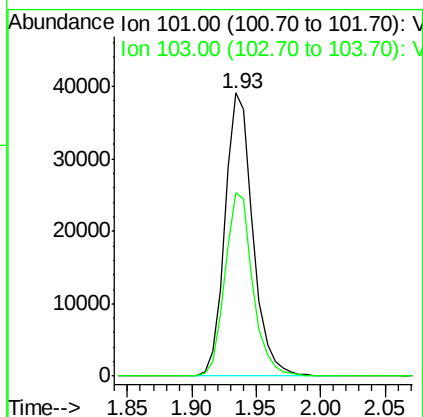
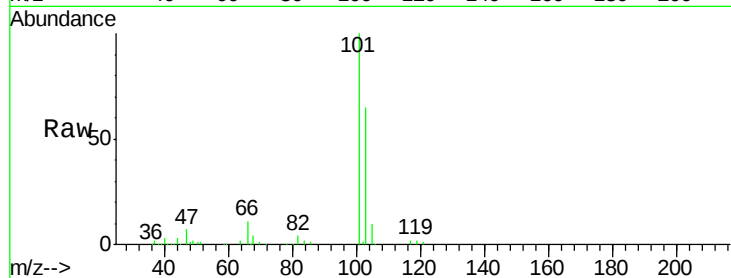
Trichlorofluoromethane
 Concen: 17.493 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

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Tot Ion	101	Resp	59394
Ion Ratio	Lower	Upper	
101	100		
103	64.9	50.4	75.6

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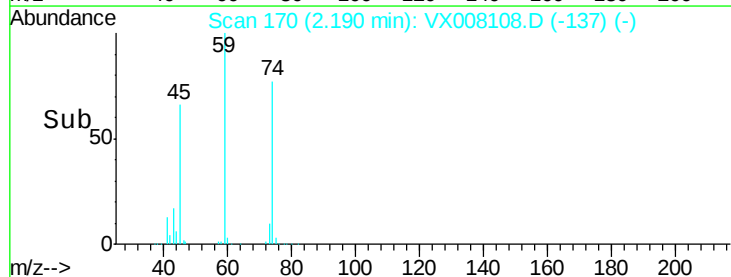
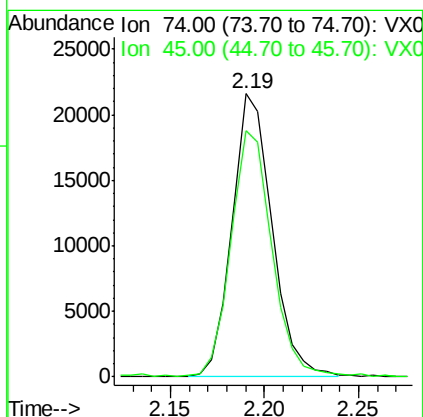
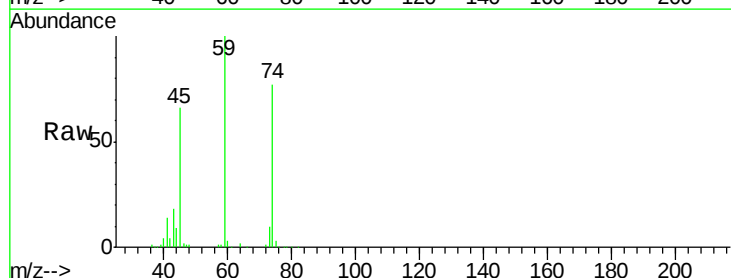
MMDadoda
 3/16/2019 10:33:12 AM

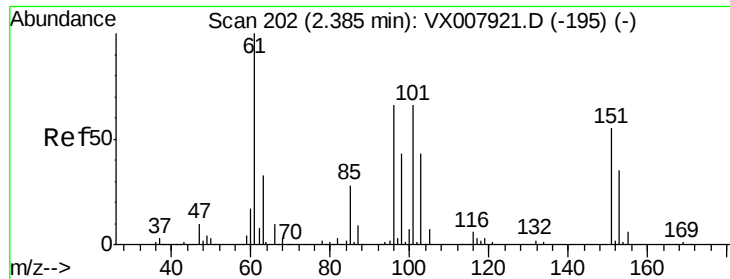


#8

Diethyl Ether
 Concen: 18.181 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	74	Resp	31790
Ion Ratio	Lower	Upper	
74	100		
45	88.9	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.790 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

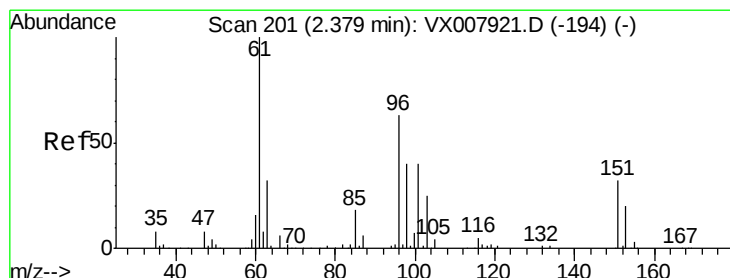
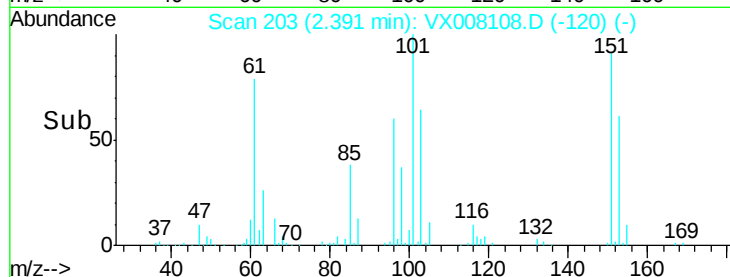
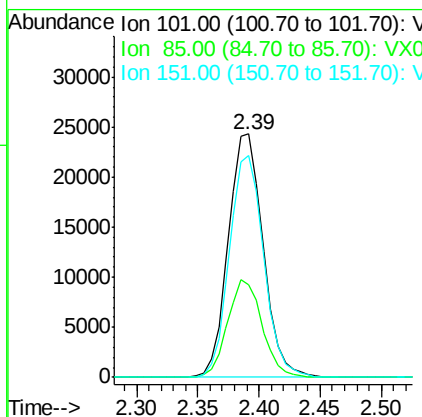
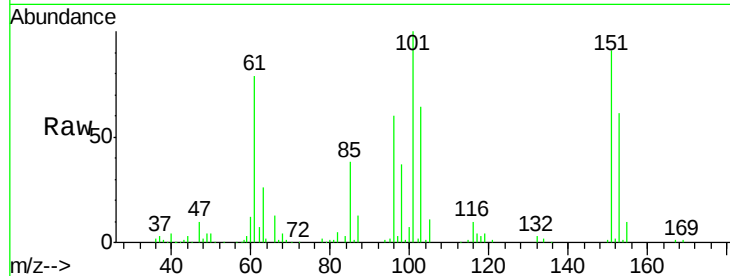
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	47965
Ion Ratio	Lower	Upper	
101	100		
85	39.5	0.0	86.8
151	90.0	0.0	169.2

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 18.849 ug/l

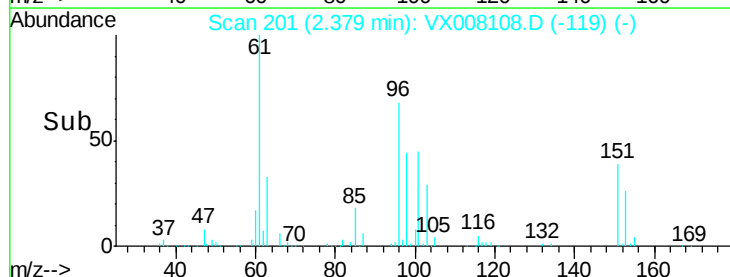
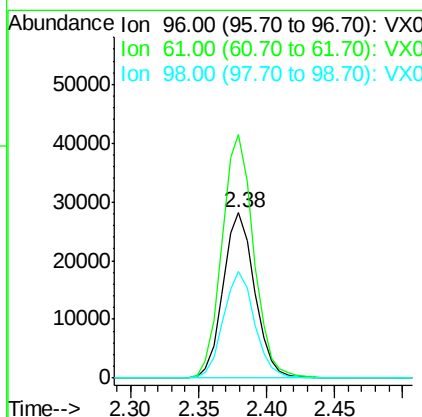
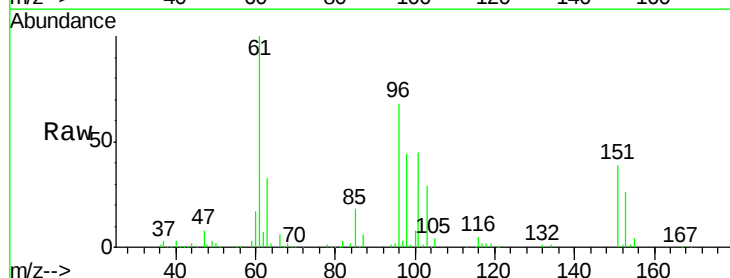
RT: 2.38 min Scan# 201

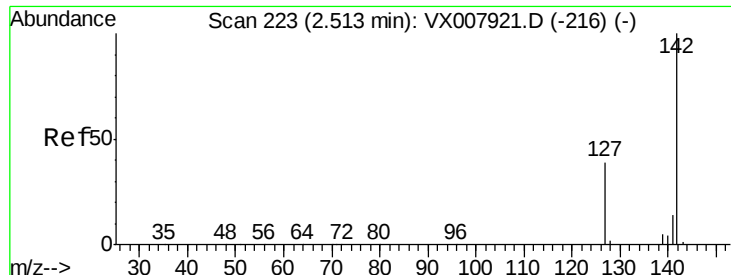
Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Tgt Ion:	96	Resp:	45607
Ion Ratio	Lower	Upper	
96	100		
61	147.1	120.2	180.2
98	64.7	49.0	73.4





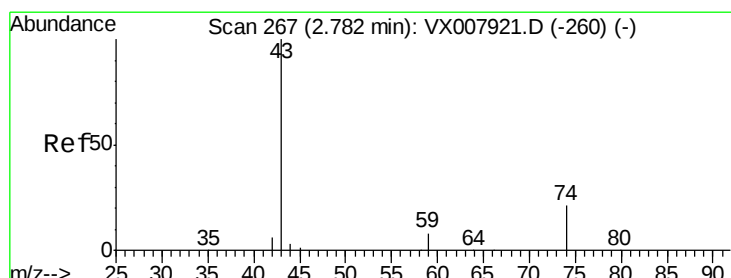
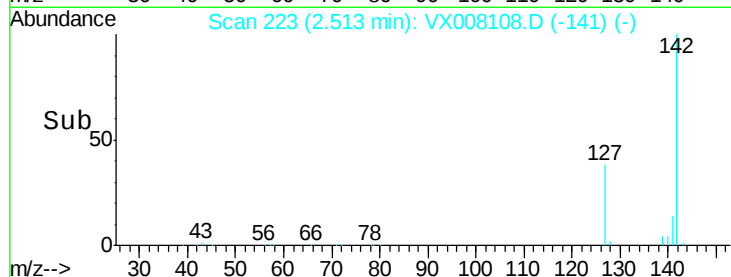
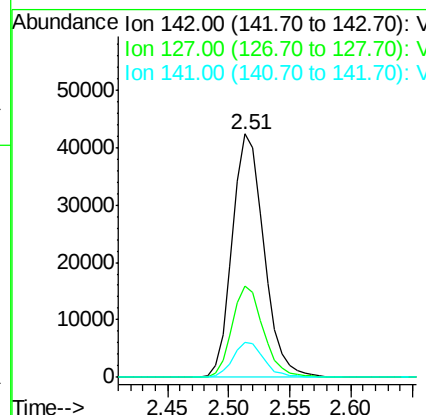
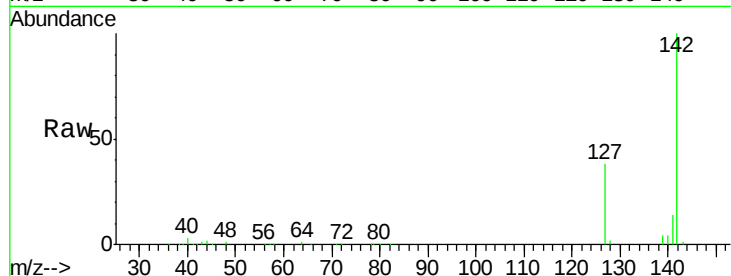
#11
Methyl Iodide
Concen: 20.041 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.7	22.1	66.5
141	14.5	7.4	22.3

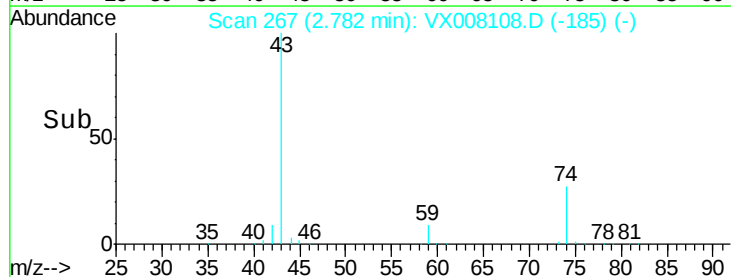
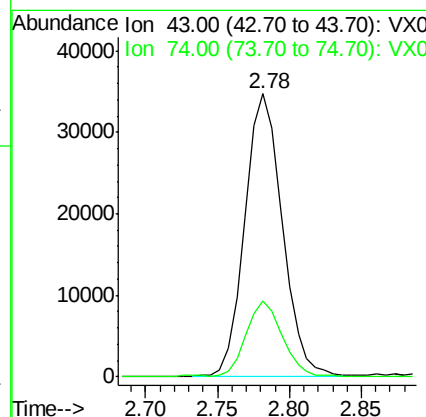
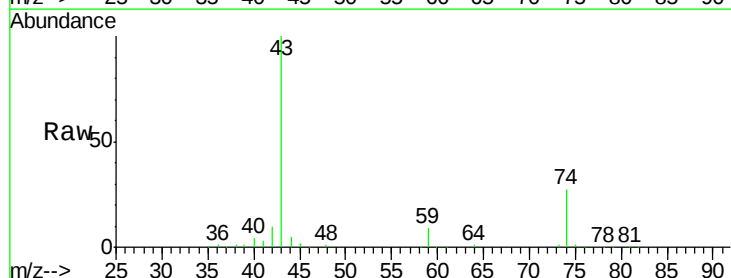
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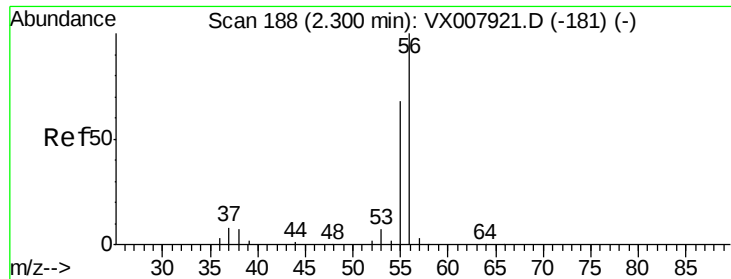
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#12
Methyl Acetate
Concen: 16.291 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.4	29.0





#13

Acrolein

Concen: 83.957 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 37691

Ion Ratio Lower Upper

56 100

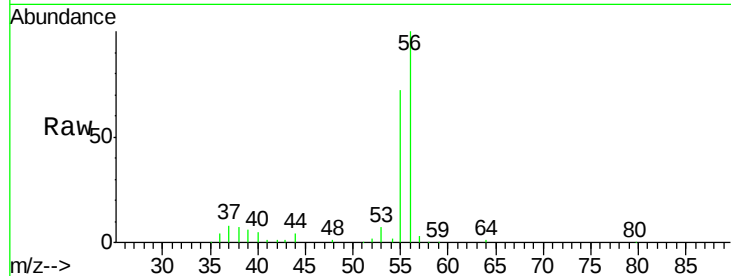
55 69.8 58.6 87.8

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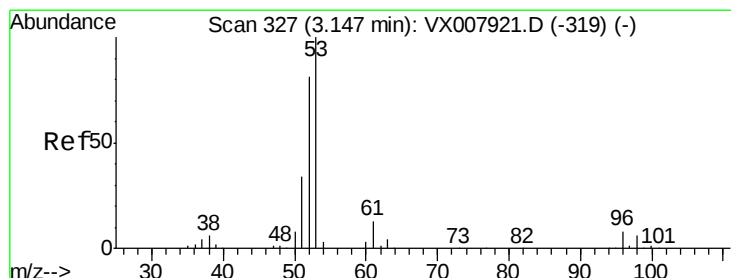
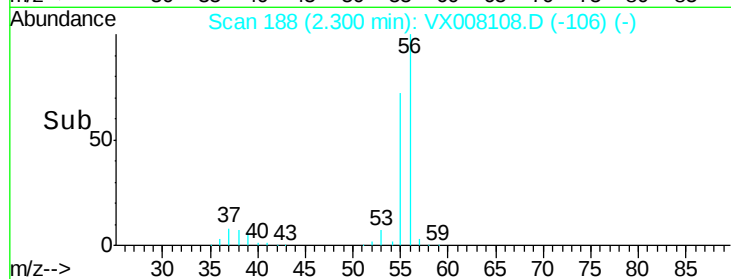
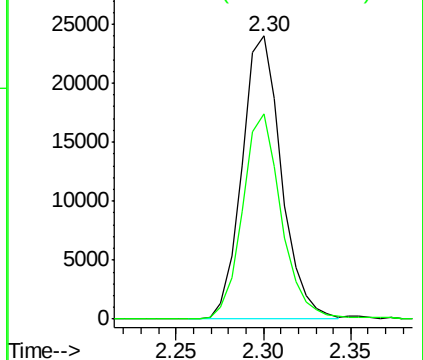
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 87.374 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

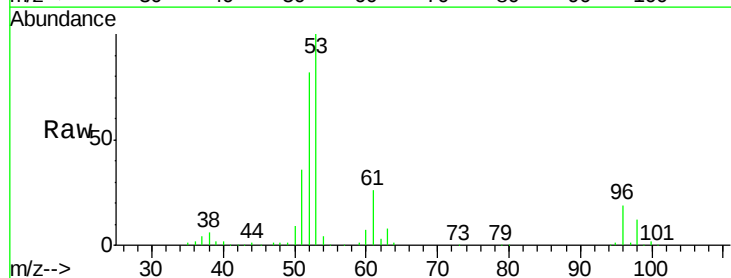
Tgt Ion: 53 Resp: 141929

Ion Ratio Lower Upper

53 100

52 82.9 41.3 124.1

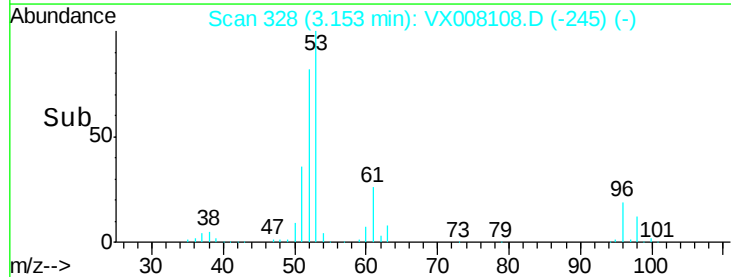
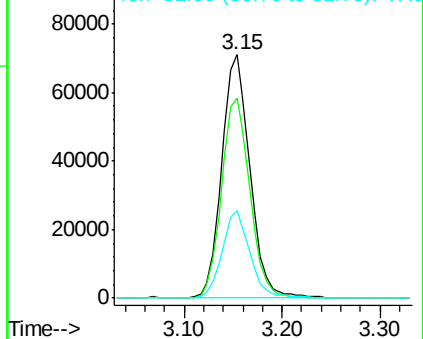
51 35.8 17.5 52.6

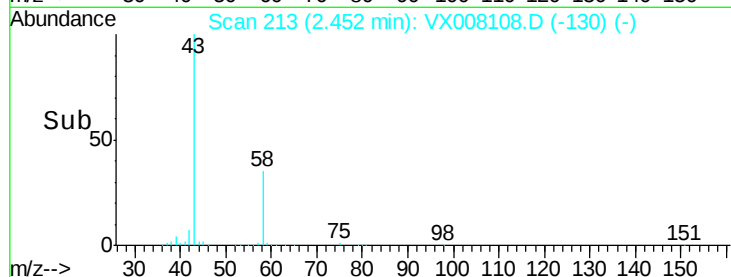
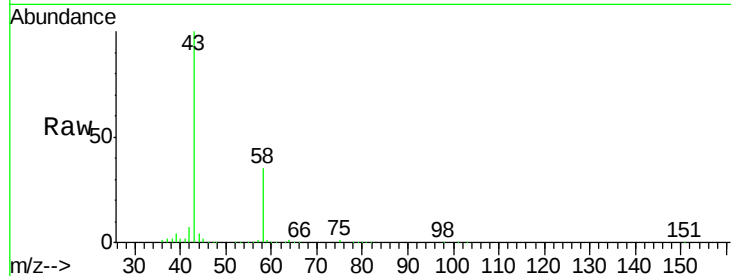
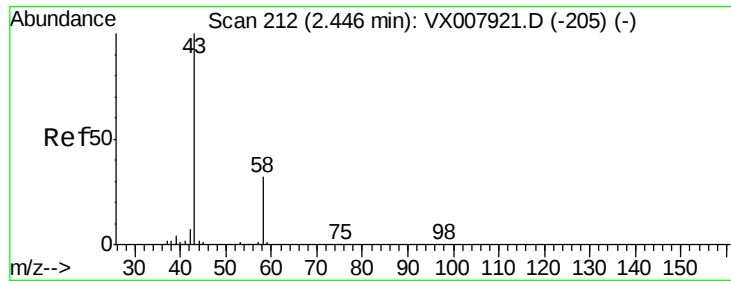


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 70.035 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Tot Ion: 58 Resp: 41073

Ion Ratio Lower Upper

58 100

43 286.0 249.8 374.6

Instrument :

MSVOA_X

ClientSampleId :

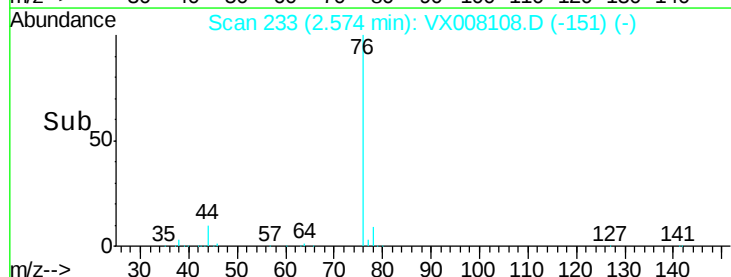
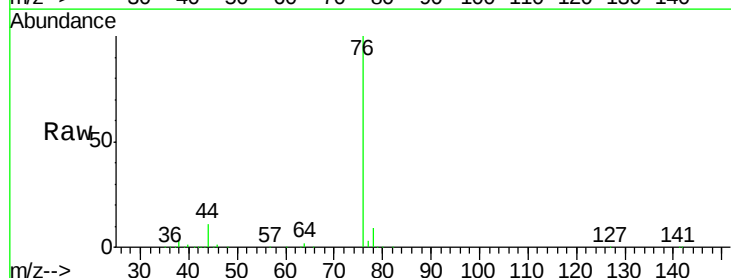
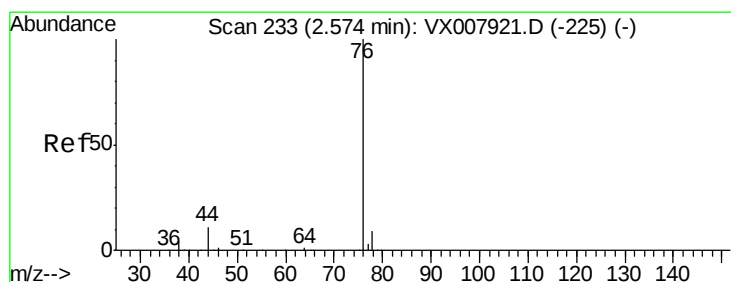
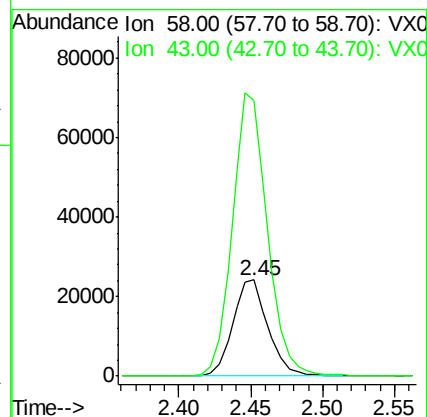
VSTDCCC020EC

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#16

Carbon Disulfide

Concen: 17.144 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008108.D

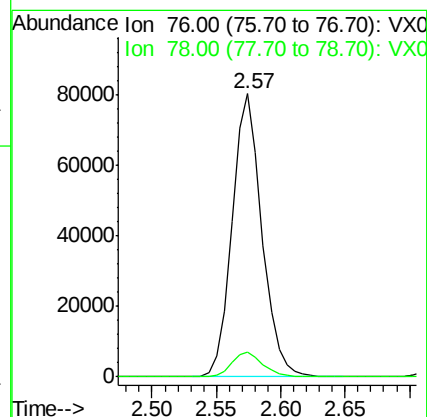
Acq: 15 Mar 2019 15:23

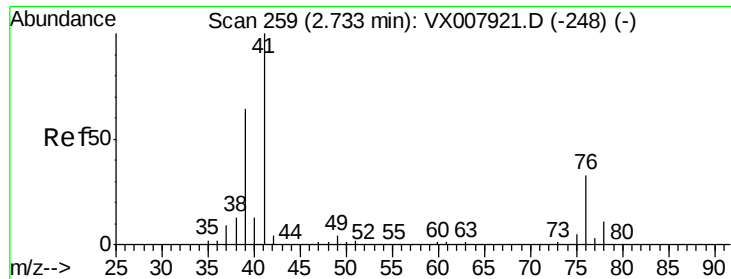
Tgt Ion: 76 Resp: 130144

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3





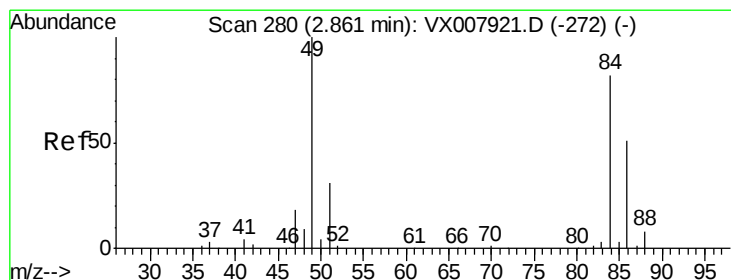
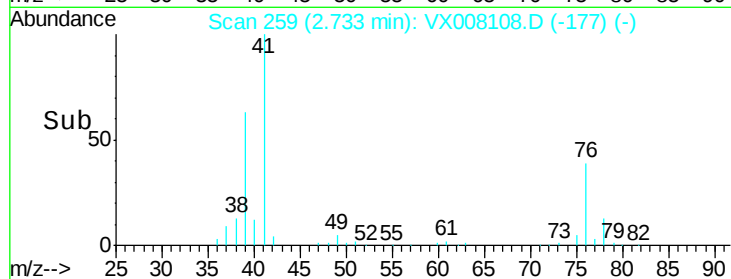
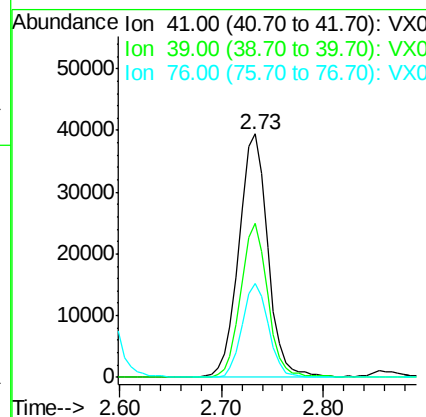
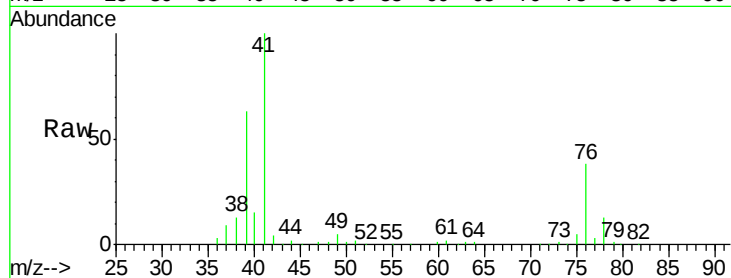
#17
Allvl chloride
Concen: 15.535 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.2	35.8	107.4
76	38.5	18.3	54.9

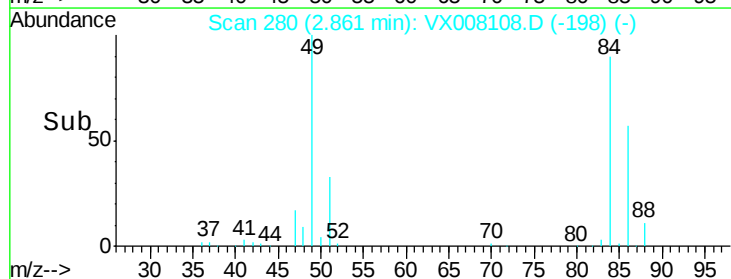
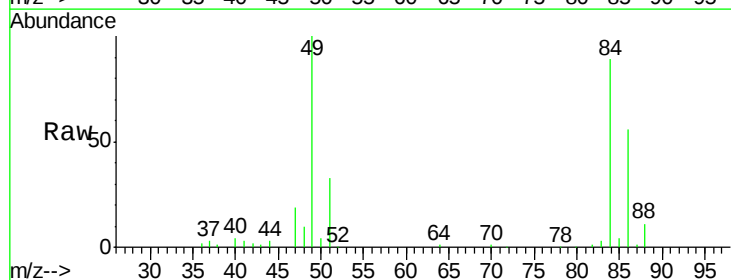
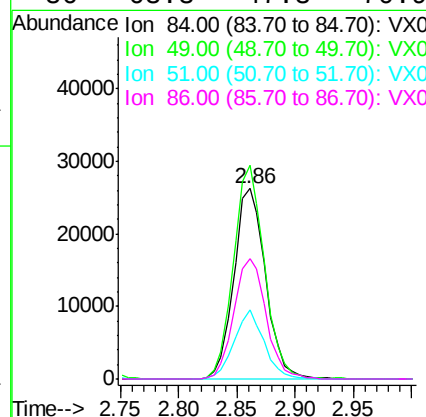
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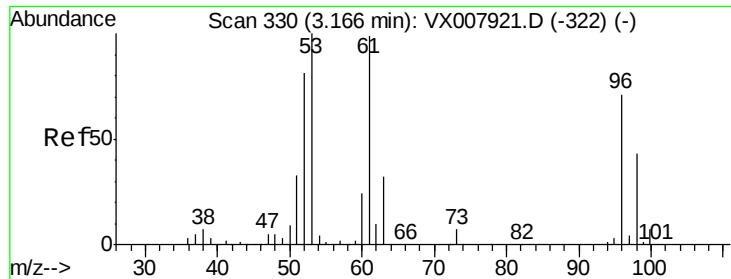
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#18
Methylene Chloride
Concen: 18.038 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.3	96.1	144.1
51	36.5	29.1	43.7
86	63.3	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 18.893 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 48368

Ion Ratio Lower Upper

96 100

61 131.3 109.9 164.9

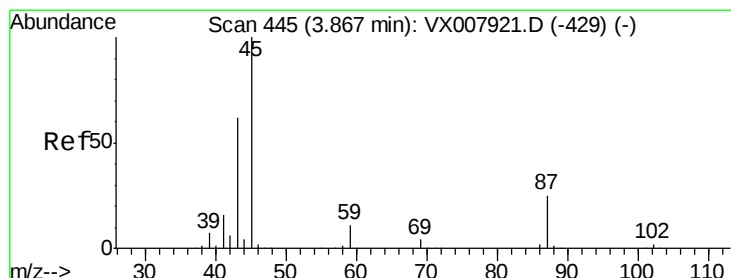
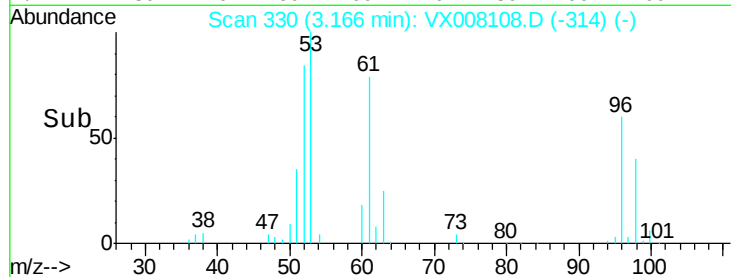
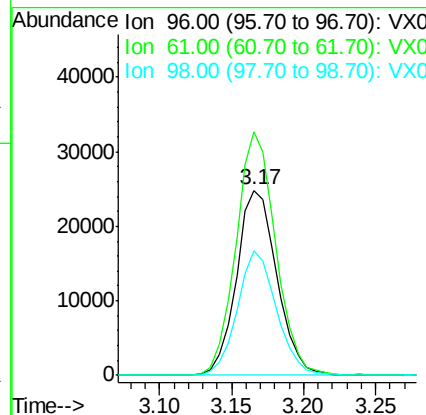
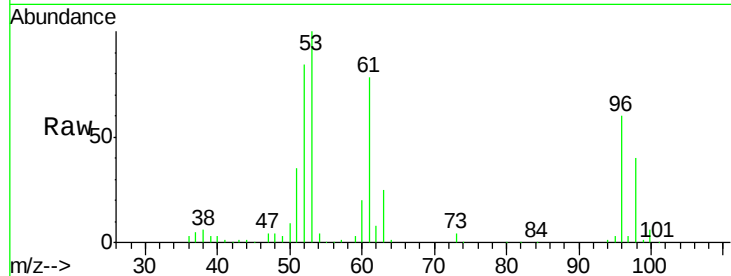
98 67.0 50.4 75.6

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#20

Diisopropyl ether

Concen: 17.458 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Tgt Ion: 45 Resp: 158425

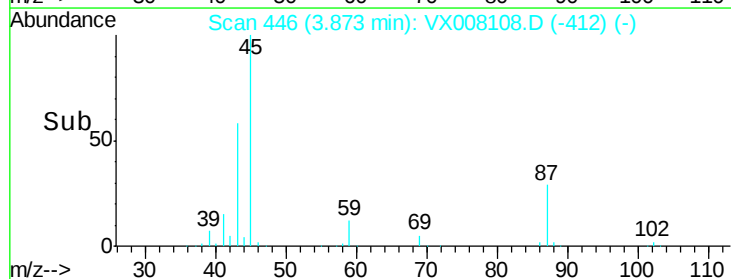
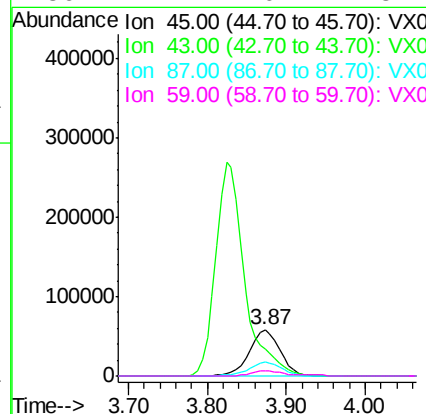
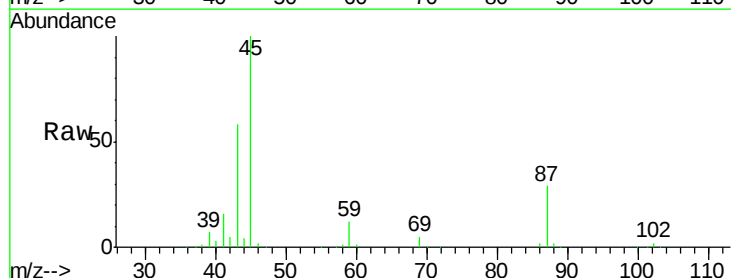
Ion Ratio Lower Upper

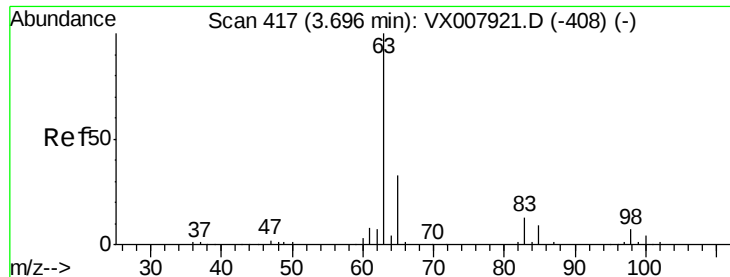
45 100

43 57.4 50.6 76.0

87 29.4 24.5 36.7

59 12.2 10.2 15.2





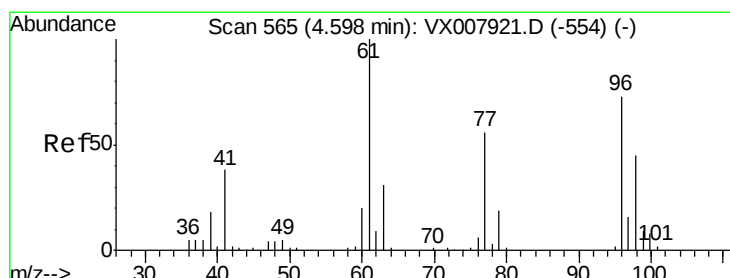
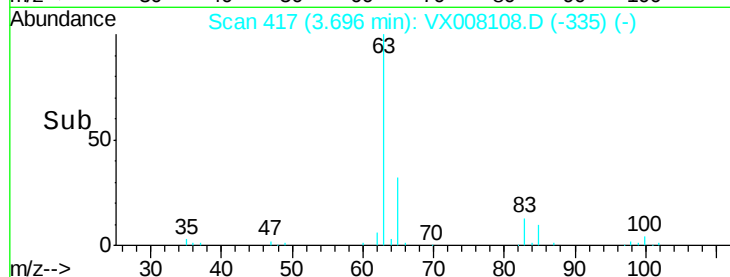
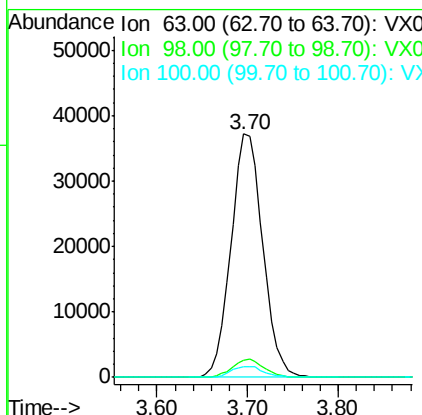
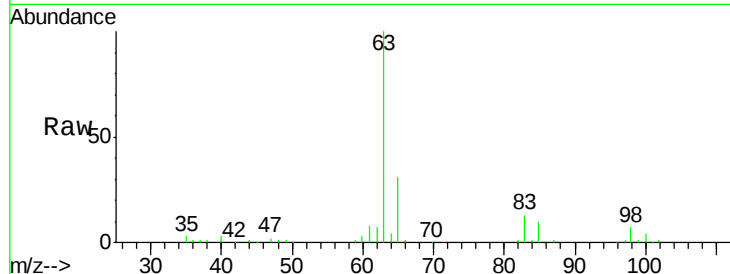
#21
1,1-Dichloroethane
Concen: 18.343 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.4
100	4.3	2.4	7.1

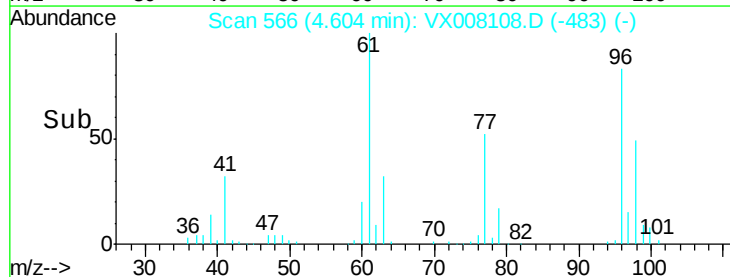
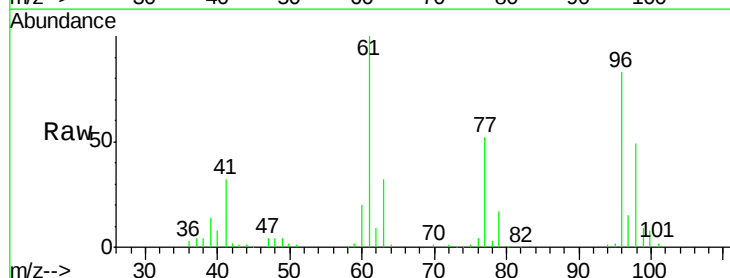
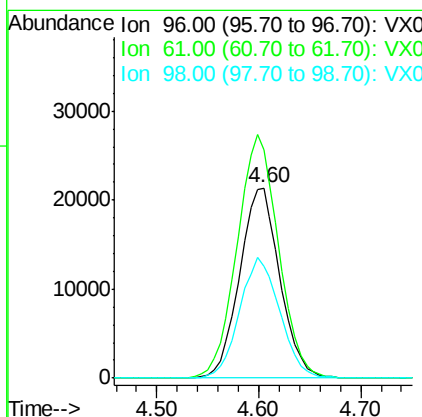
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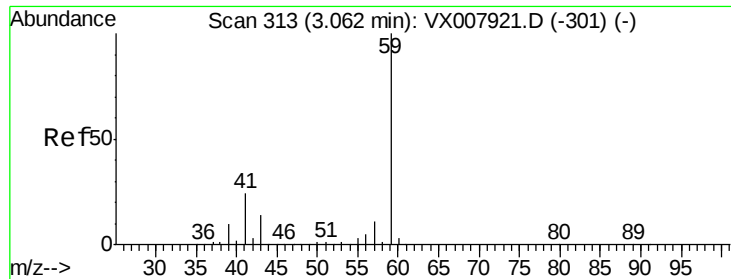
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#22
cis-1,2-Dichloroethene
Concen: 19.810 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.7	103.5	155.3
98	63.3	52.1	78.1





#23

tert-Butyl Alcohol
 Concen: 96.495 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

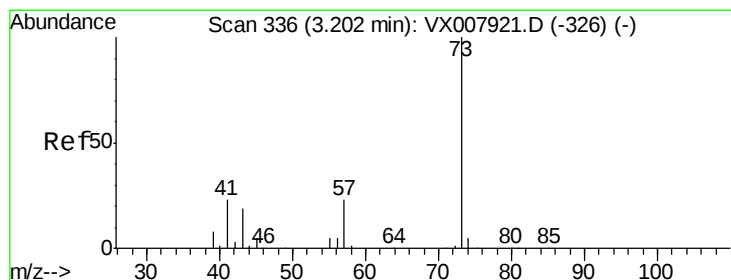
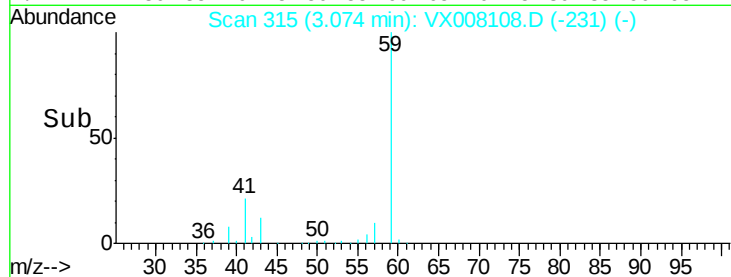
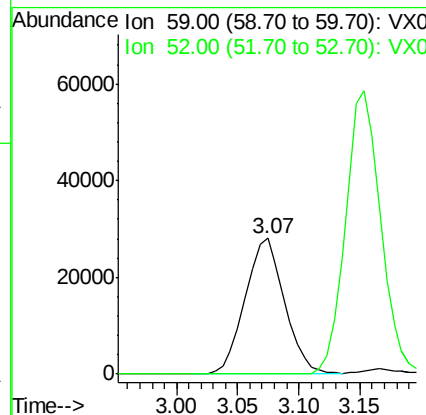
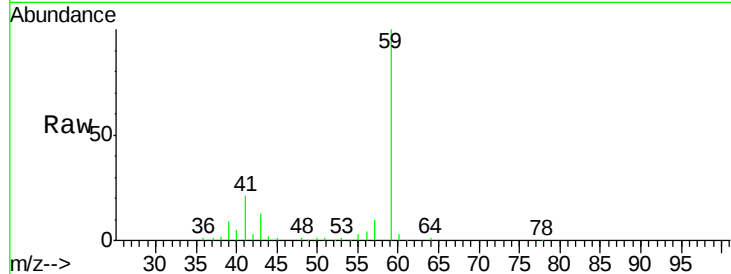
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52
59	100	0.3
52	0.3	0.2

Resp: 63236
 Lower Upper
 0.2 0.2#

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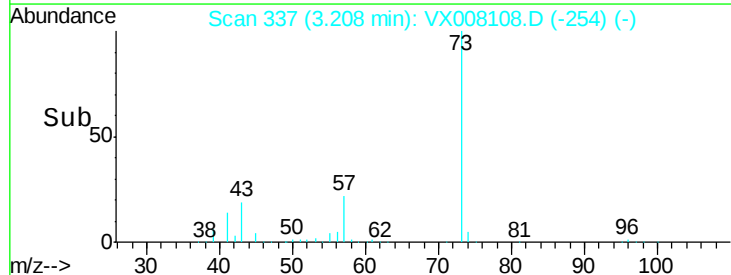
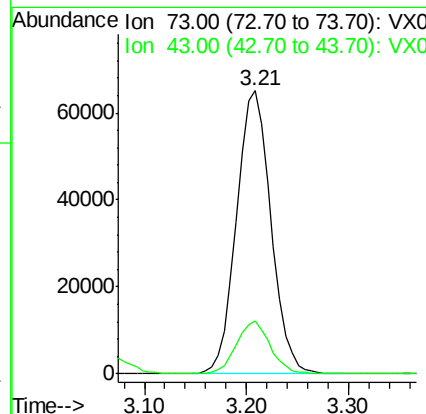
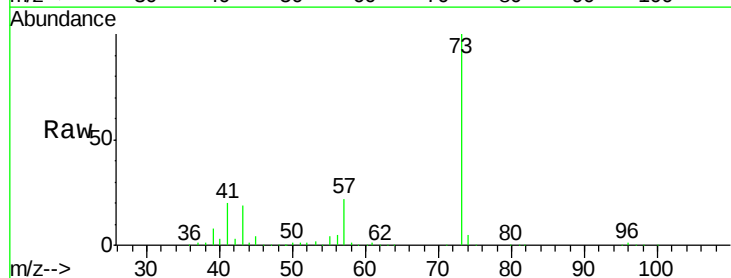


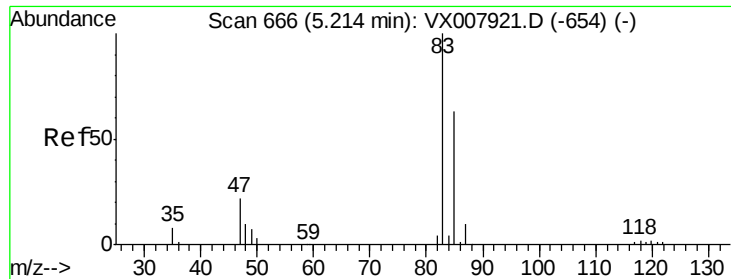
#24

Methyl tert-Butyl Ether
 Concen: 18.325 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	73	43
73	100	18.3
43	18.3	17.1

Resp: 152447
 Lower Upper
 25.7





#25

Chloroform

Concen: 19.364 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 90207

Ion Ratio Lower Upper

83 100

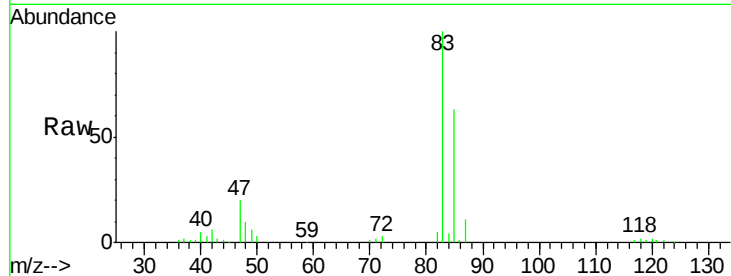
85 62.7 53.8 80.6

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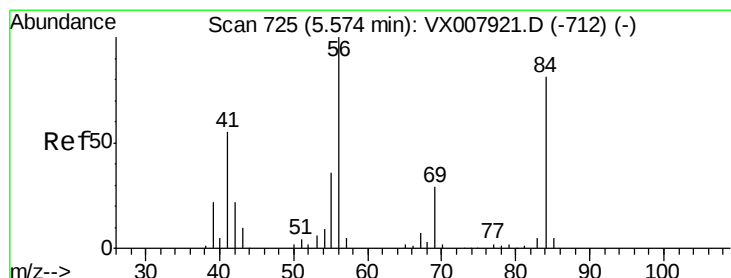
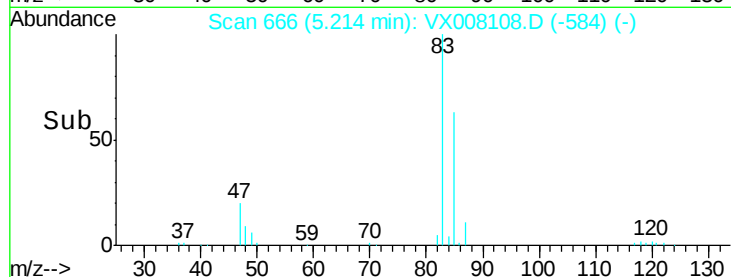
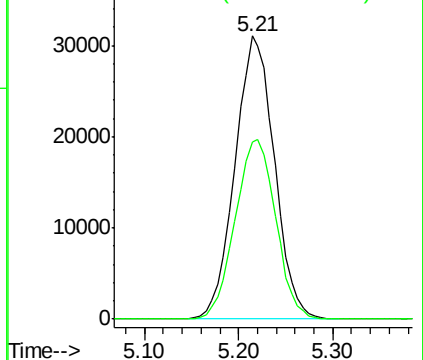
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.404 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

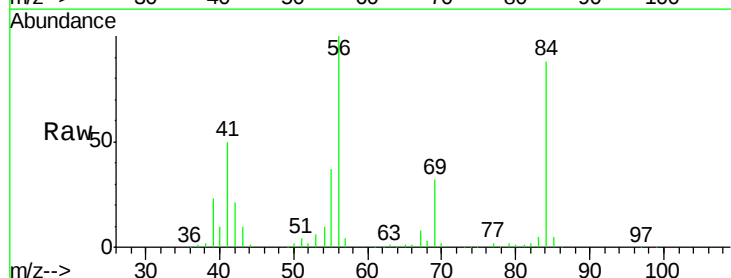
Tgt Ion: 56 Resp: 79373

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

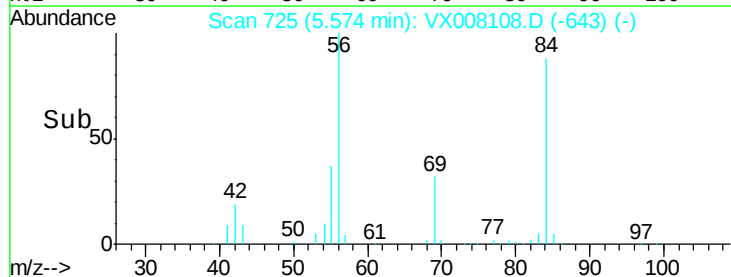
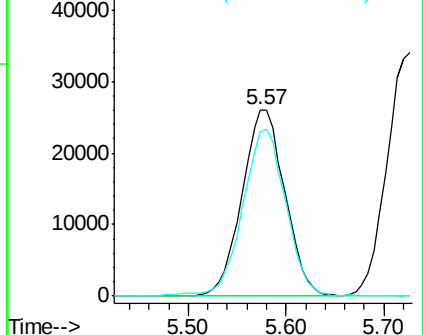
84 89.1 73.9 110.9

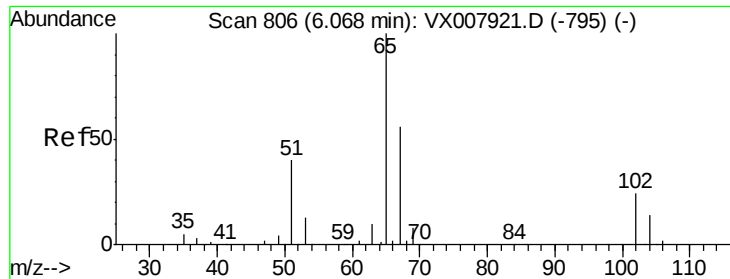


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





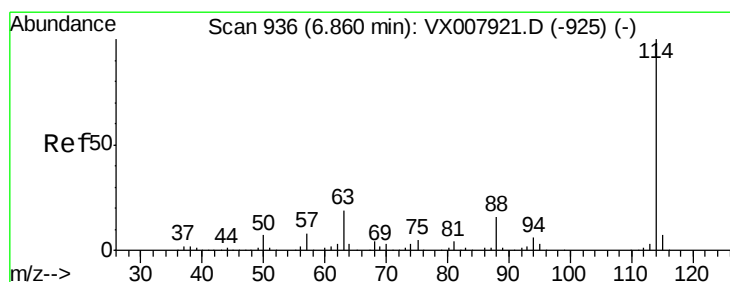
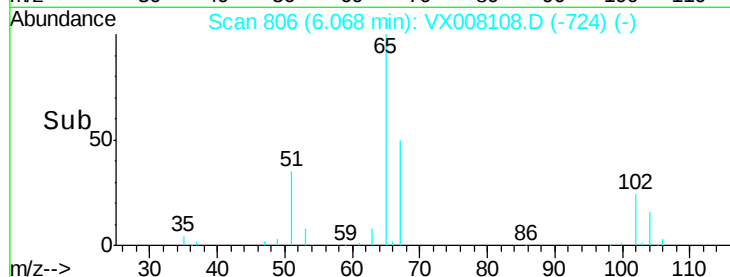
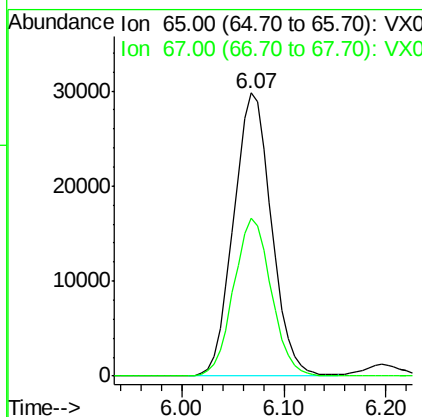
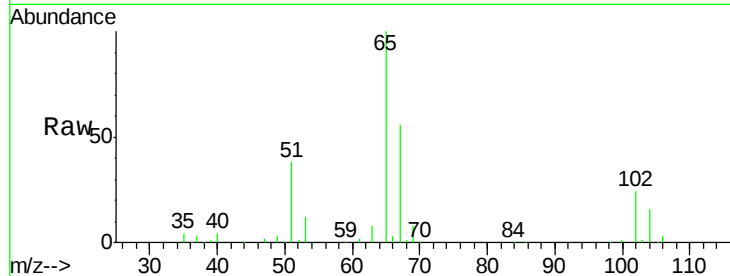
#27
 1,2-Dichloroethane-d4
 Concen: 28.048 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 76871
 Ion Ratio Lower Upper
 65 100
 67 55.1 42.9 64.3

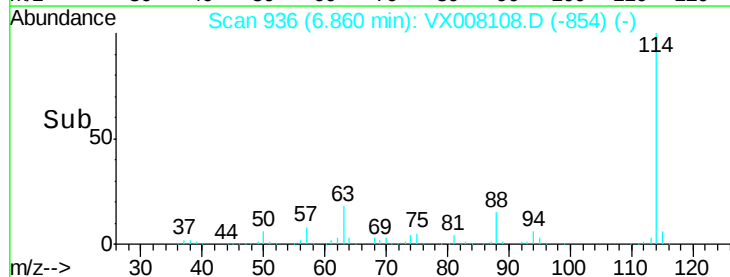
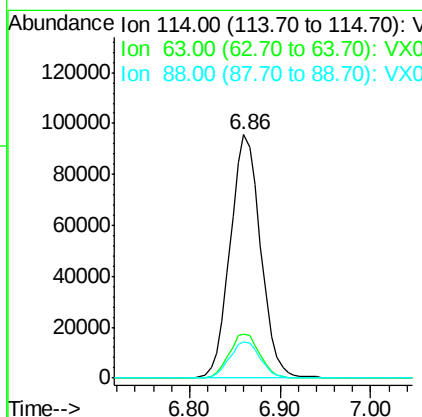
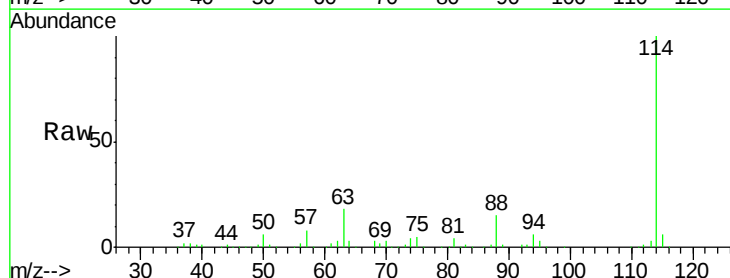
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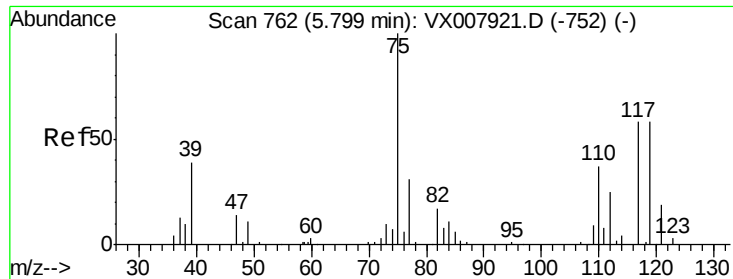
MMDadoda
 3/16/2019 10:33:12 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion: 114 Resp: 222716
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.2 21.4
 88 15.1 11.9 17.9





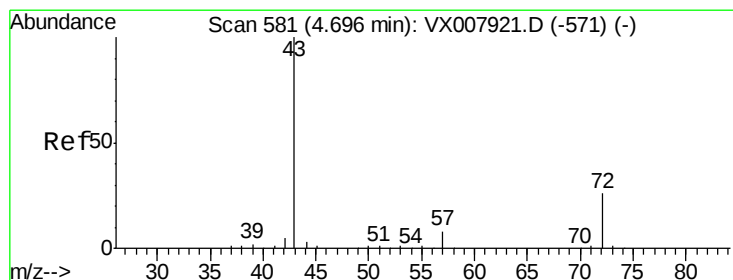
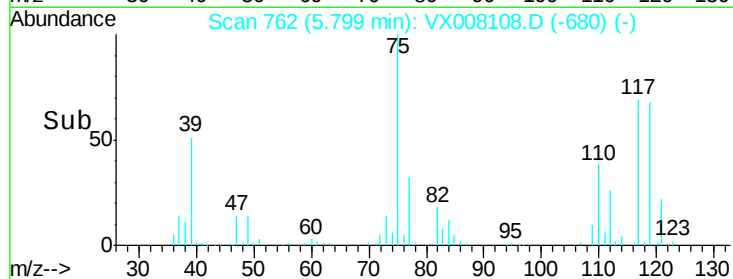
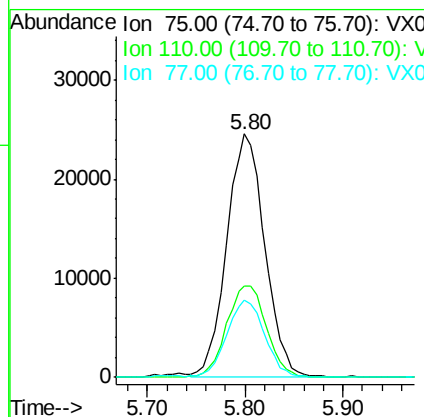
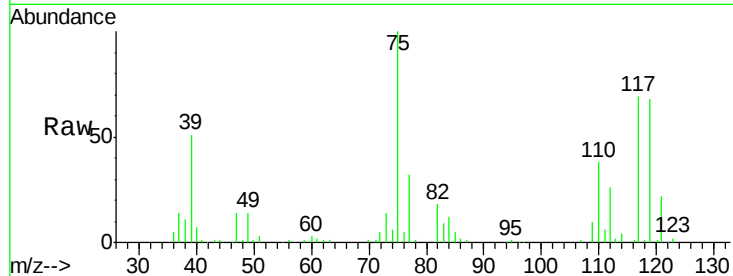
#29
 1,1-Dichloropropene
 Concen: 18.845 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.2	0.0	80.8
77	31.6	0.0	62.4

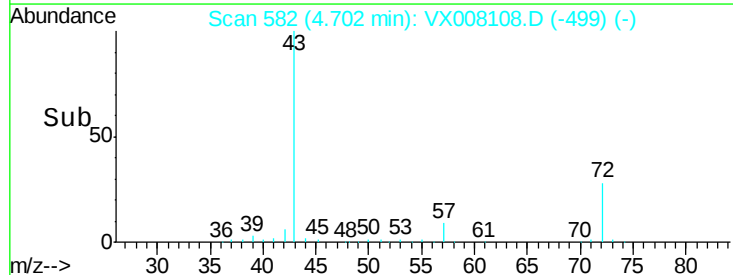
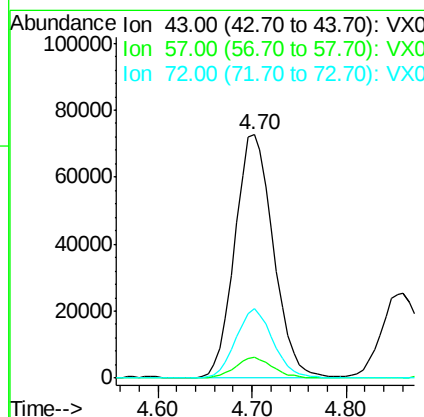
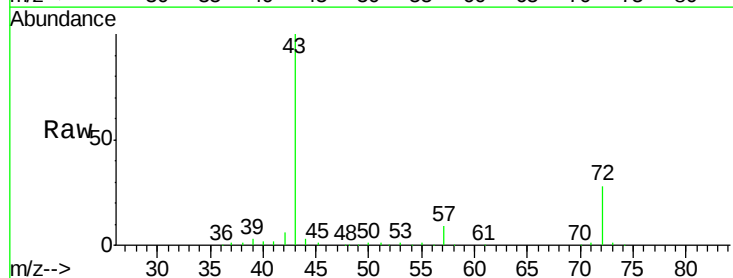
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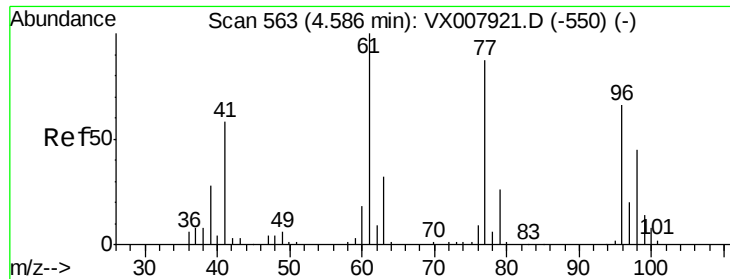
MMDadoda
 3/16/2019 10:33:12 AM



#30
 2-Butanone
 Concen: 87.241 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	7.0	10.6
72	27.7	21.5	32.3





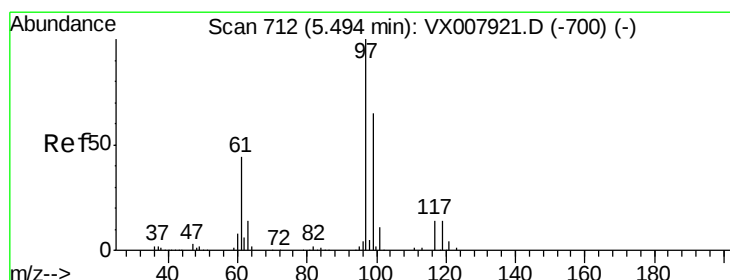
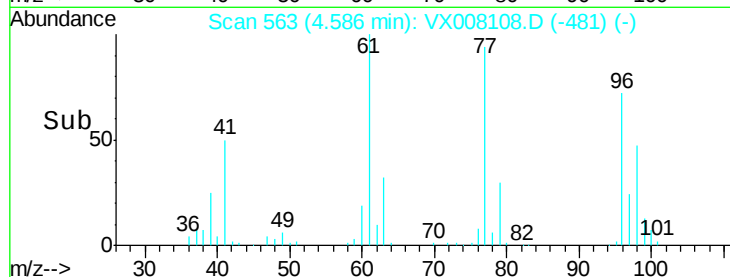
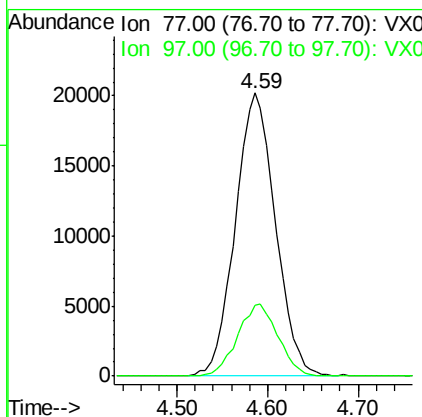
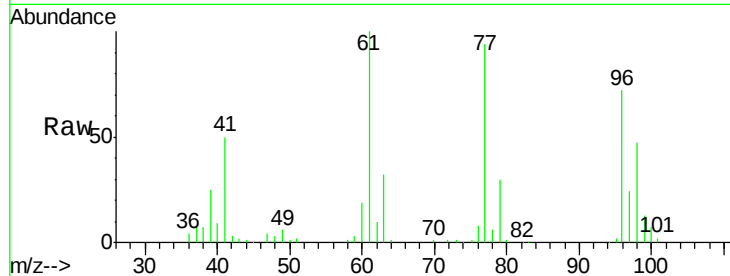
#31
 2,2-Dichloropropane
 Concen: 18.993 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 61949
 Ion Ratio Lower Upper
 77 100
 97 25.6 20.6 31.0

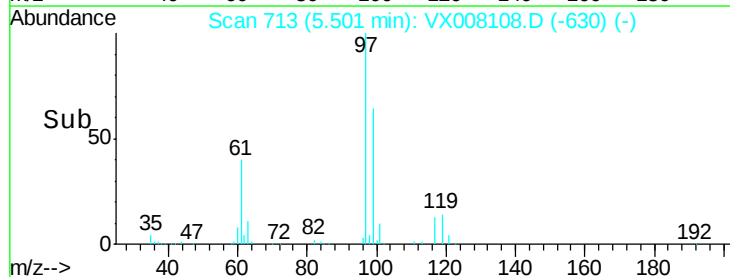
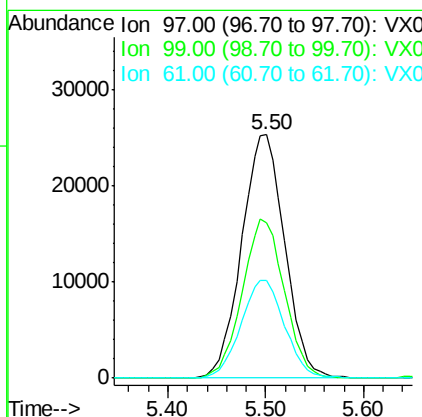
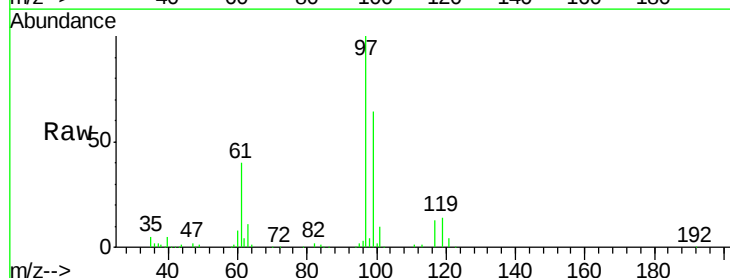
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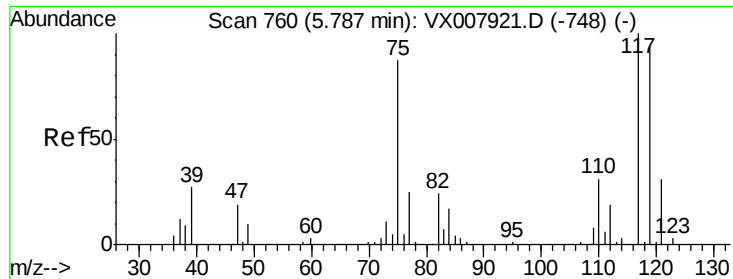
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#32
 1,1,1-Trichloroethane
 Concen: 20.255 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion: 97 Resp: 77347
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.7 77.5
 61 40.7 32.8 49.2





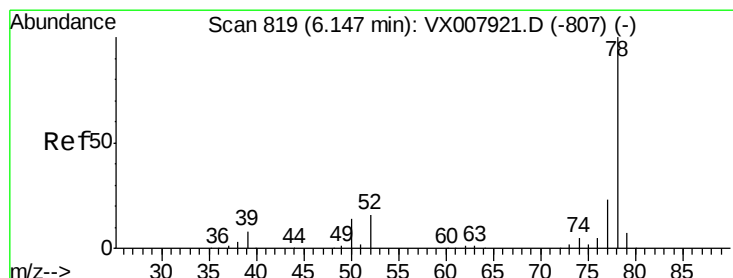
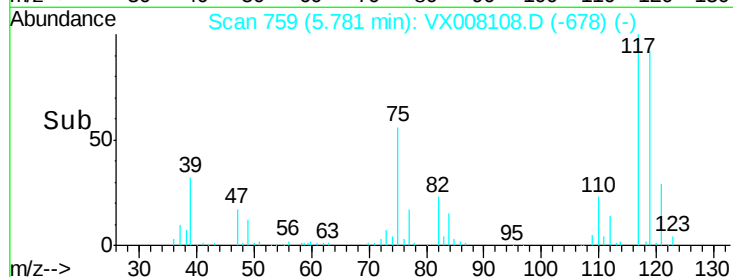
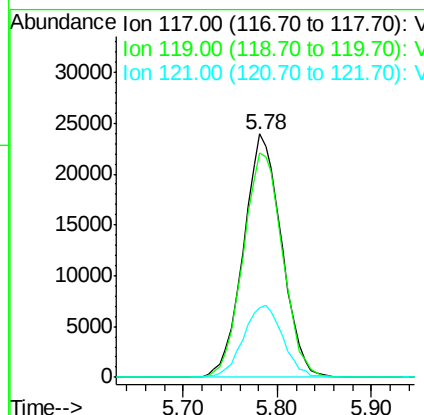
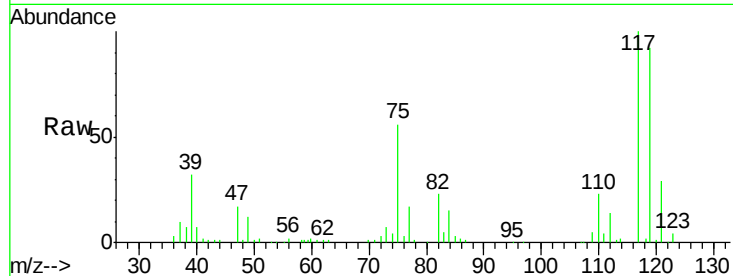
#33
Carbon Tetrachloride
Concen: 19.995 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 67723
Ion Ratio Lower Upper
117 100
119 91.9 78.1 117.1
121 28.6 27.0 40.6

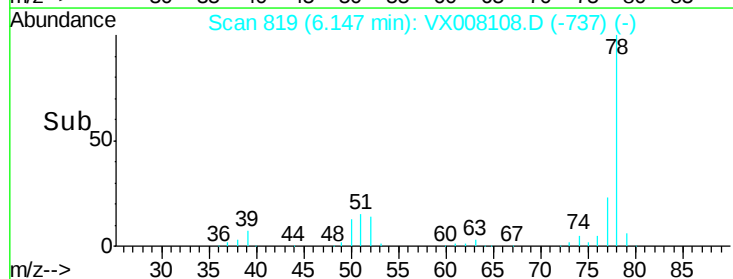
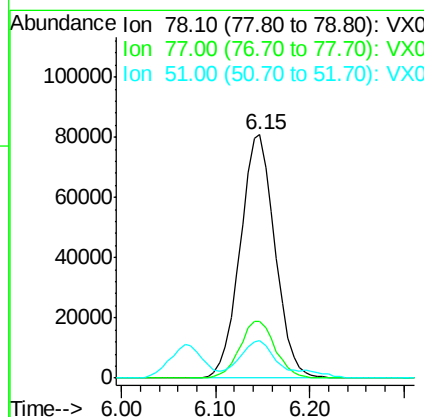
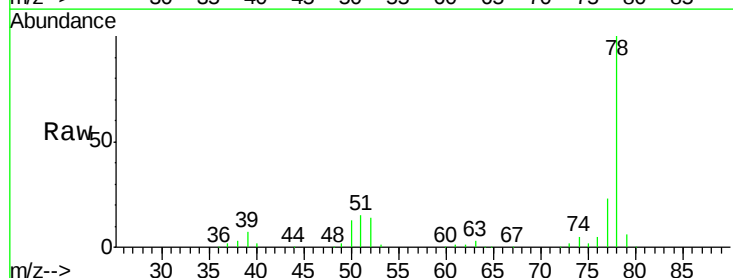
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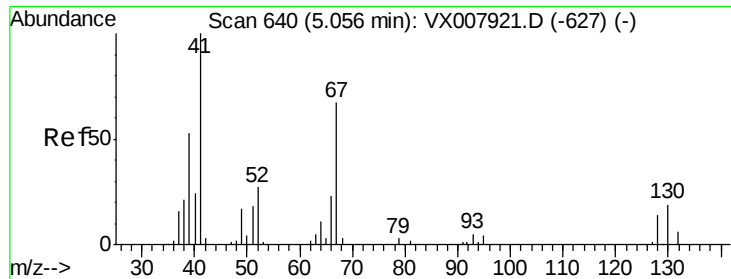
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#34
Benzene
Concen: 19.330 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion: 78 Resp: 209189
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7
51 14.9 10.8 16.2





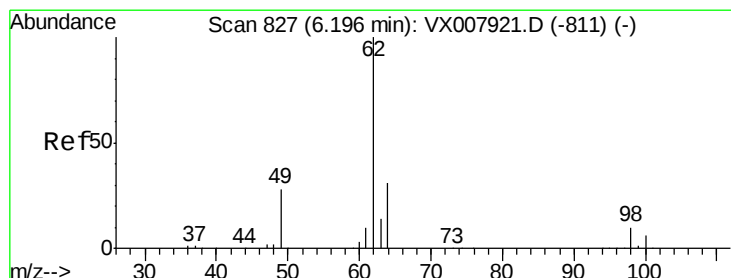
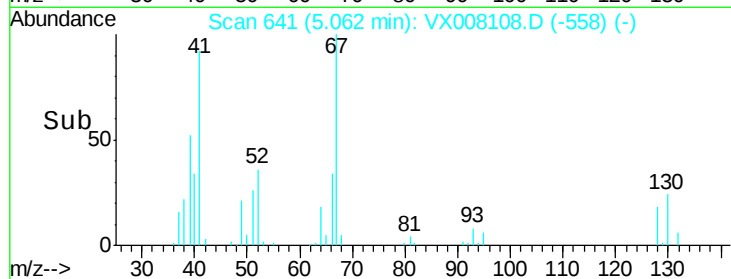
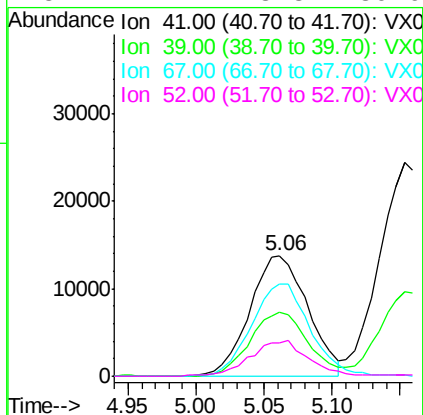
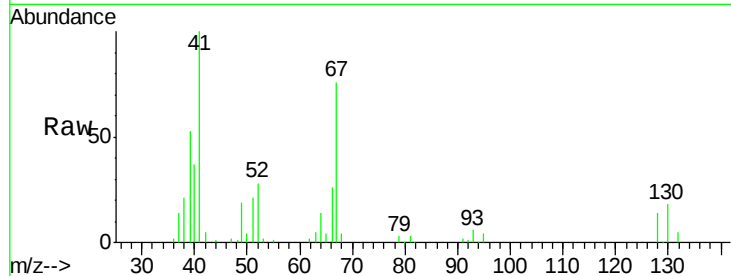
#35
Methacrylonitrile
Concen: 17.720 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	41127
Ion	Ratio	Lower	Upper
41	100		
39	52.6	27.4	82.0
67	76.0	37.9	113.6
52	27.2	13.3	39.9

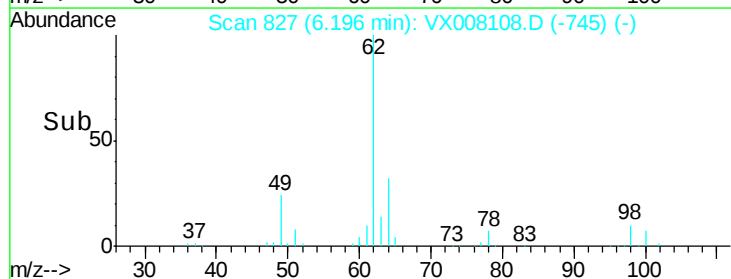
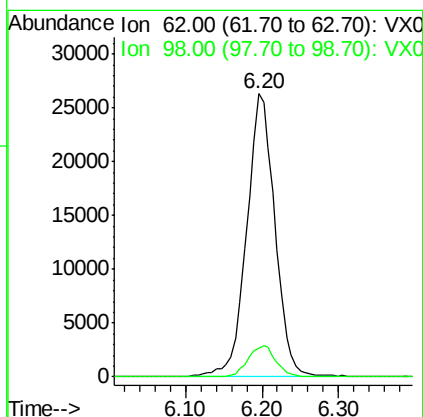
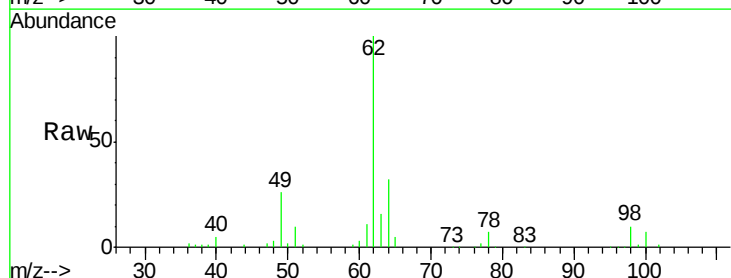
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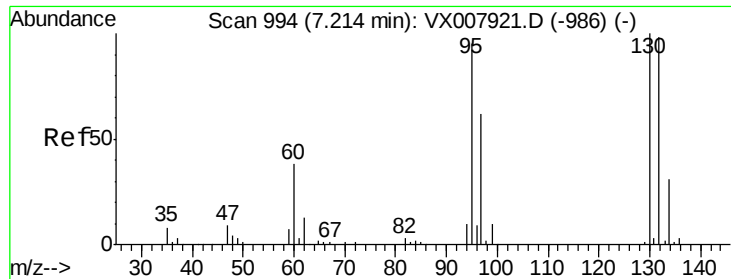
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.230 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion:	62	Resp:	67707
Ion	Ratio	Lower	Upper
62	100		
98	10.8	7.8	11.8





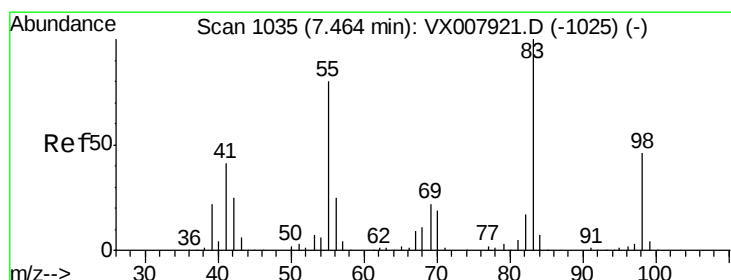
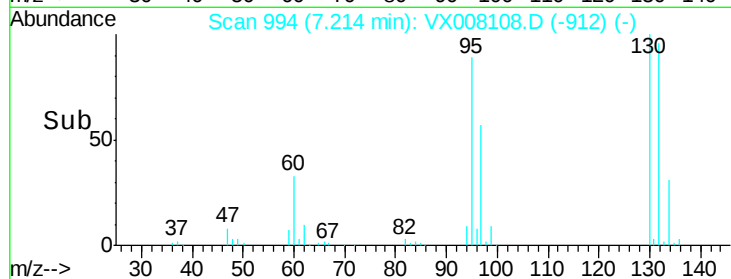
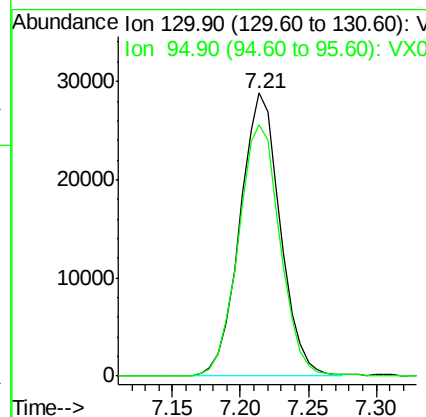
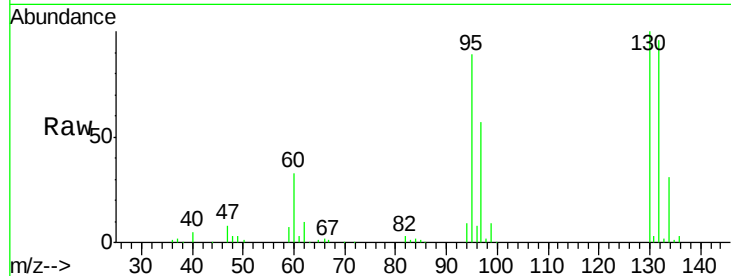
#37
 Trichloroethene
 Concen: 20.343 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 59646
 Ion Ratio Lower Upper
 130 100
 95 88.6 71.3 106.9

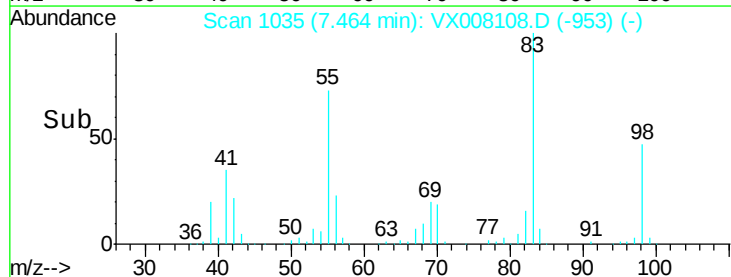
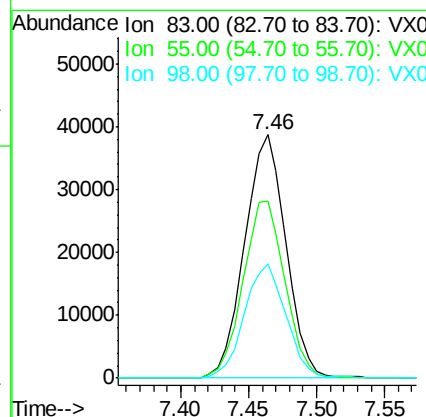
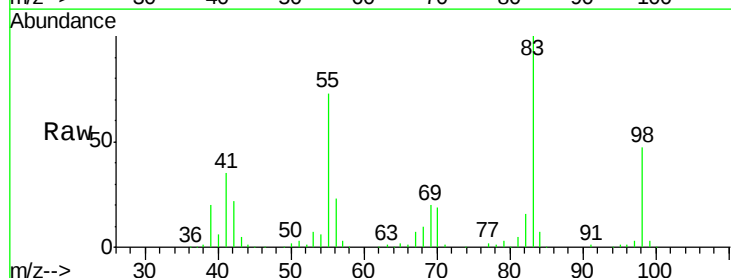
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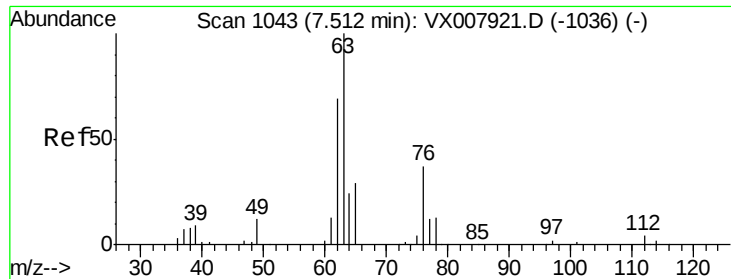
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#38
 Methylcyclohexane
 Concen: 18.307 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion: 83 Resp: 82195
 Ion Ratio Lower Upper
 83 100
 55 74.0 36.0 108.0
 98 47.3 23.8 71.4





#39

1,2-Dichloropropane

Concen: 19.036 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 53725

Ion Ratio Lower Upper

63 100

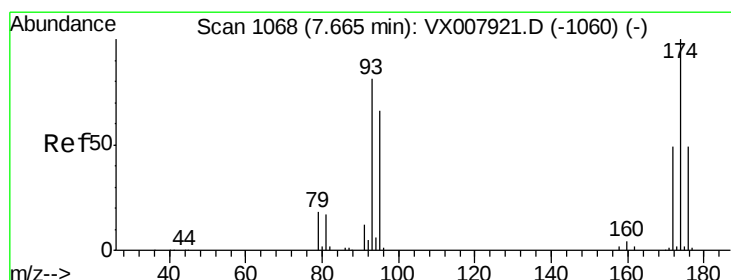
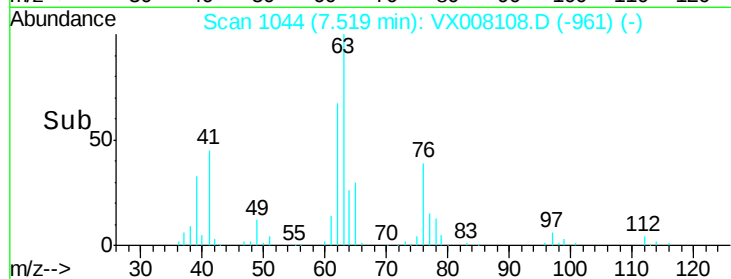
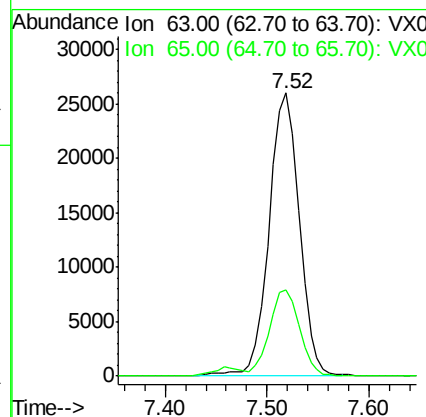
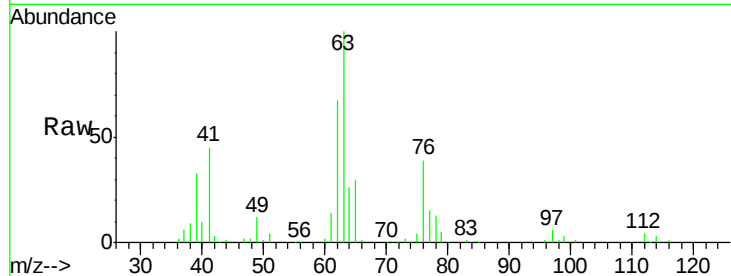
65 30.4 24.6 37.0

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#40

Dibromomethane

Concen: 19.581 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

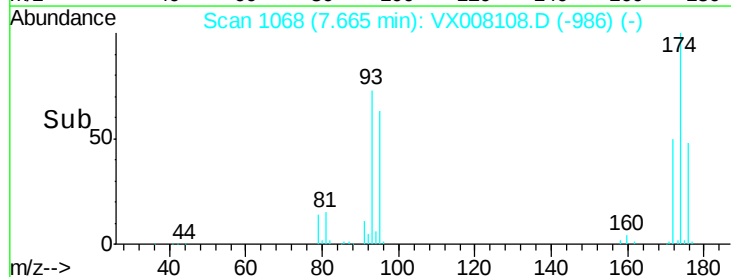
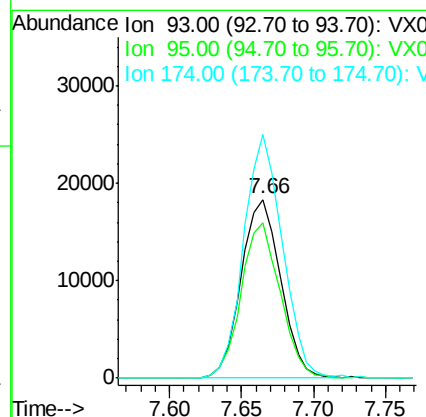
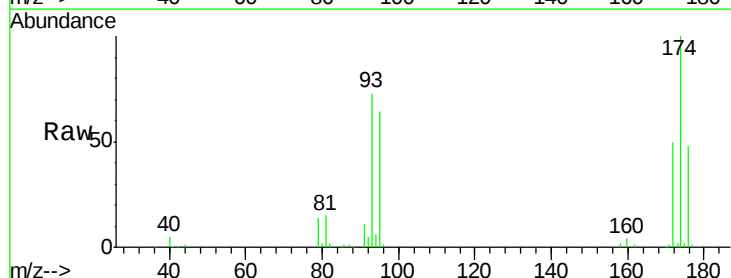
Tgt Ion: 93 Resp: 35055

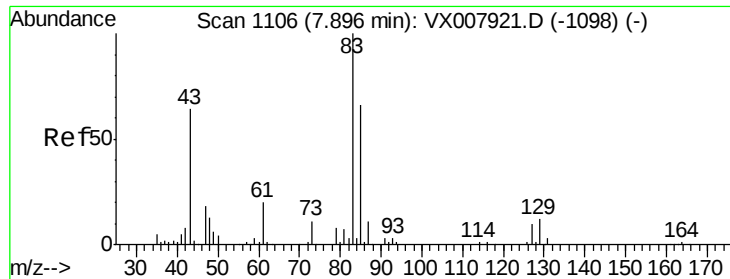
Ion Ratio Lower Upper

93 100

95 85.8 0.0 158.8

174 132.6 0.0 224.2





#41

Bromodichloromethane

Concen: 18.748 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 63439

Ion Ratio Lower Upper

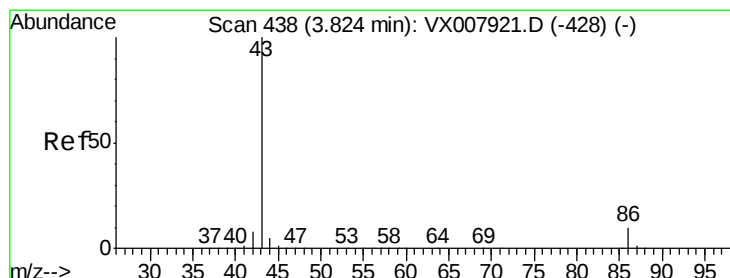
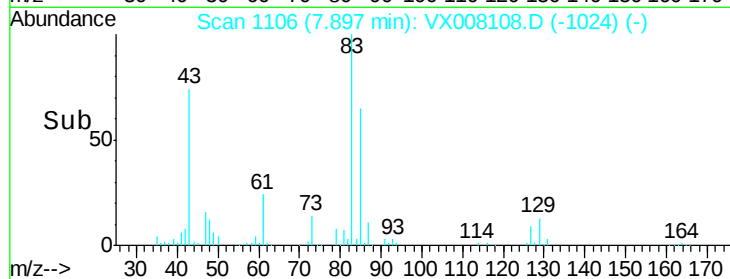
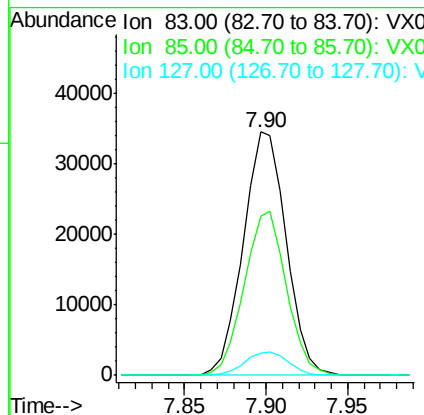
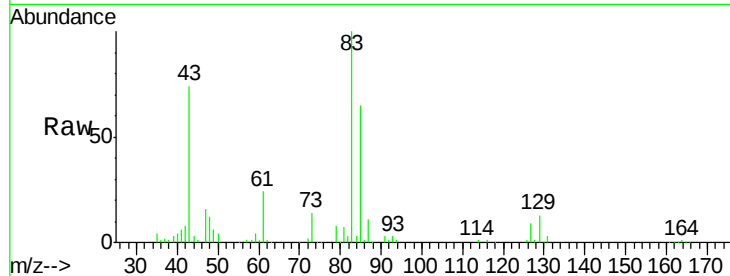
83 100

85 65.4 51.1 76.7

127 9.7 7.2 10.8

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#42

Vinyl Acetate

Concen: 89.337 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008108.D

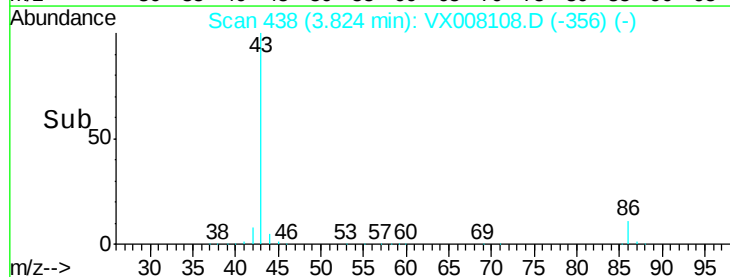
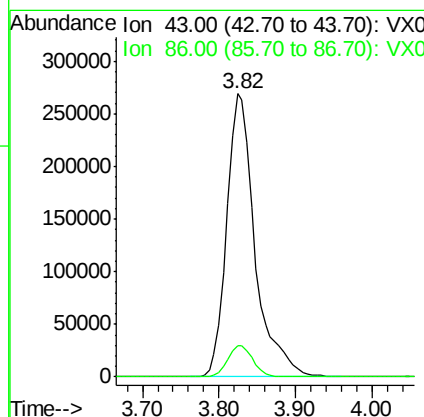
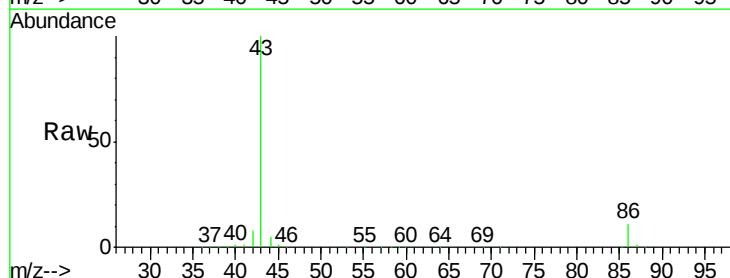
Acq: 15 Mar 2019 15:23

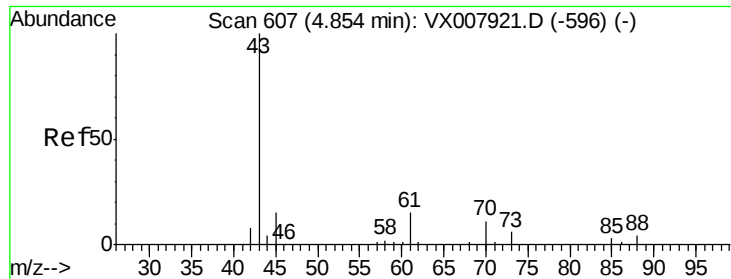
Tgt Ion: 43 Resp: 688775

Ion Ratio Lower Upper

43 100

86 9.9 8.2 12.2





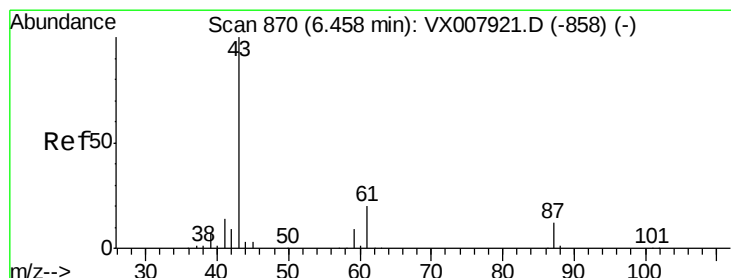
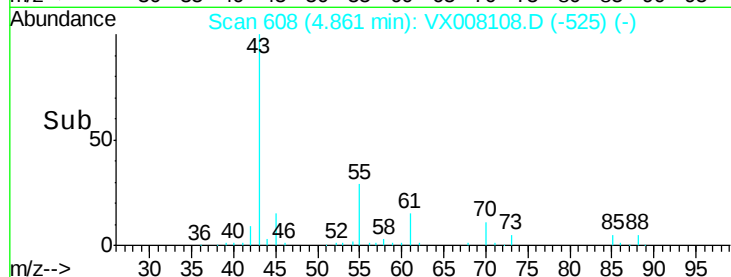
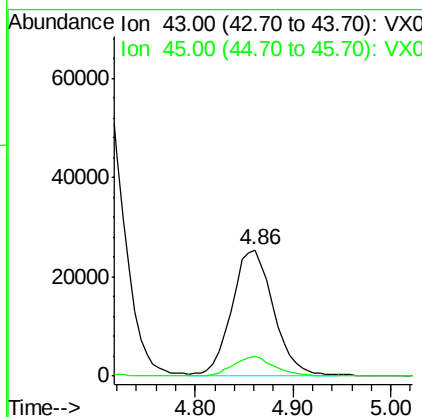
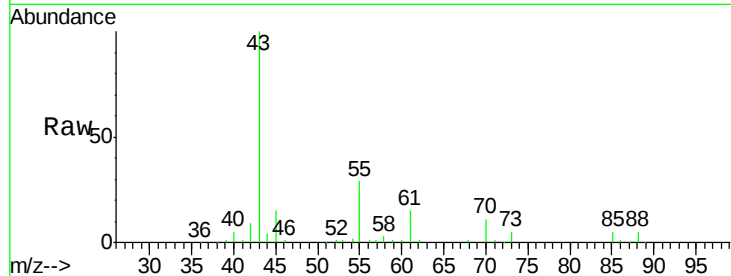
#43
Ethyl Acetate
Concen: 18.217 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 75576
Ion Ratio Lower Upper
43 100
45 15.4 6.9 10.3#

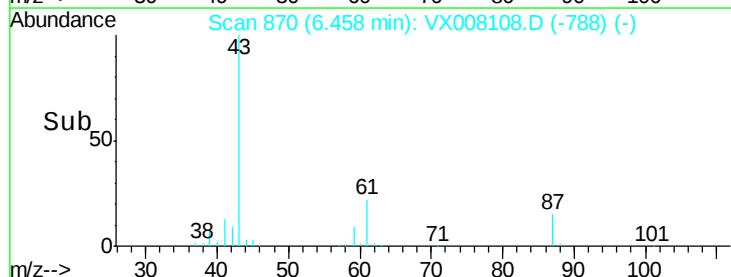
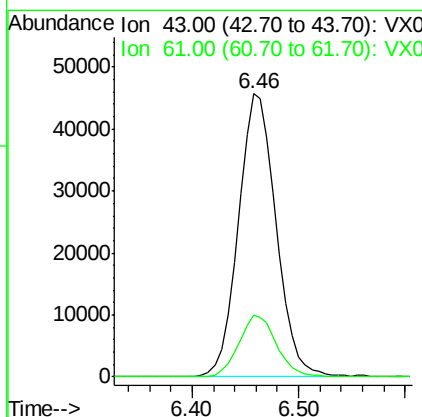
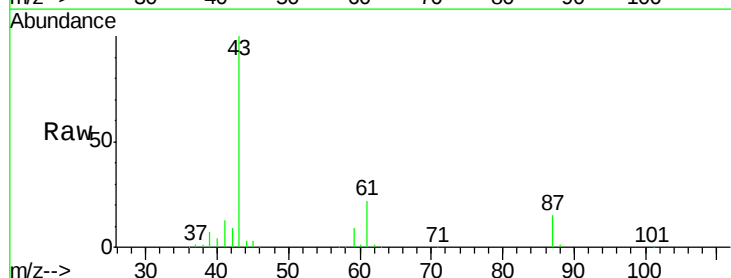
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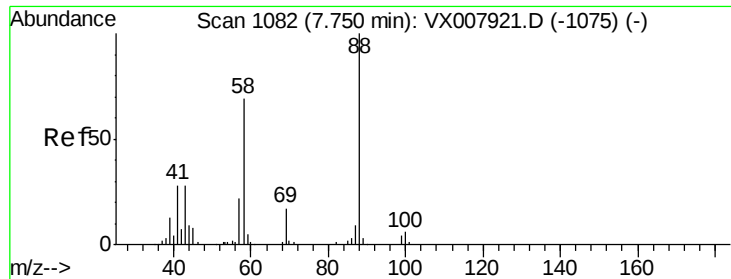
MMDadoda
3/16/2019 10:33:12 AM



#44
Isopropyl Acetate
Concen: 17.894 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion: 43 Resp: 113271
Ion Ratio Lower Upper
43 100
61 21.9 16.1 24.1





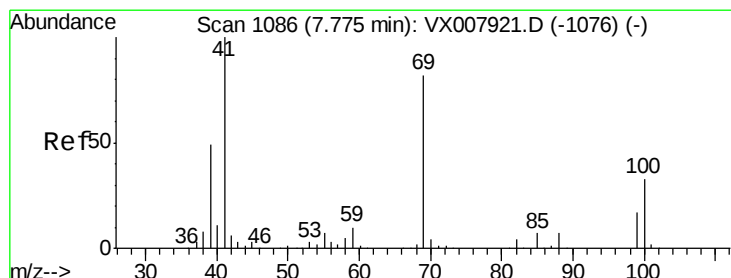
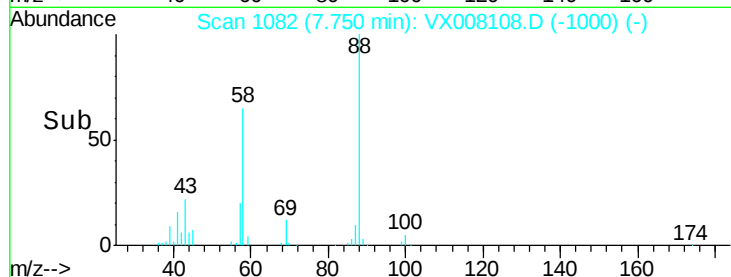
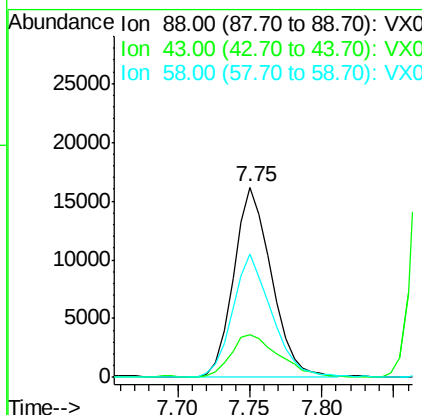
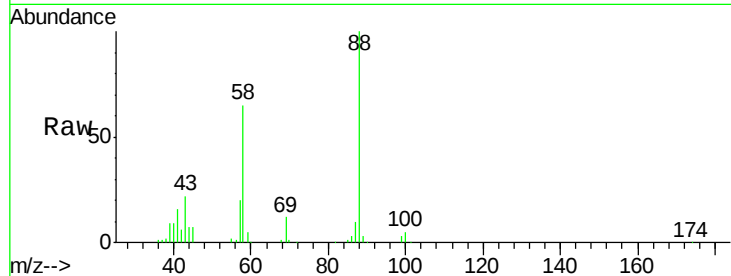
#45
 1,4-Dioxane
 Concen: 446.402 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.6	35.4
58	67.3	51.6	77.4

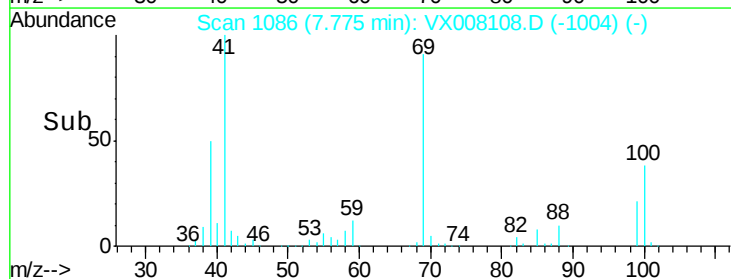
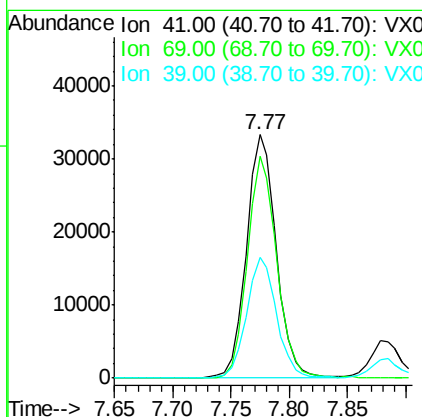
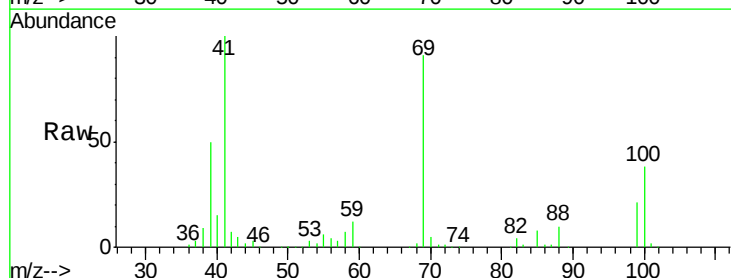
Manual Integrations
 APPROVED

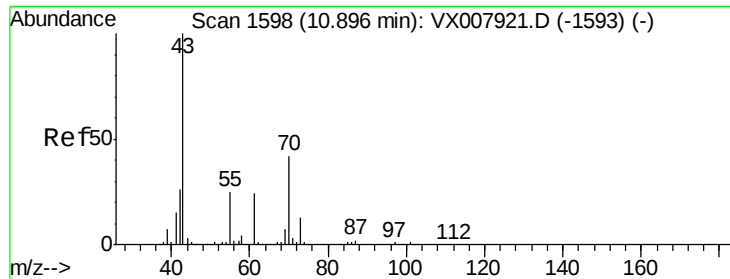
MMDadoda
 3/16/2019 10:33:12 AM



#46
 Methyl methacrylate
 Concen: 17.894 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.2	44.2	132.6
39	49.8	29.9	89.8





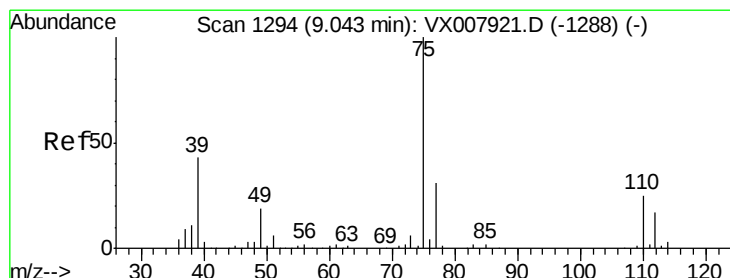
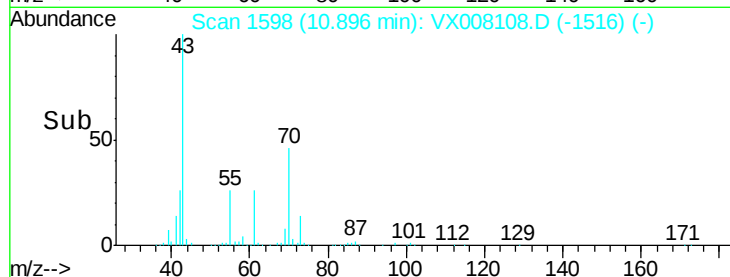
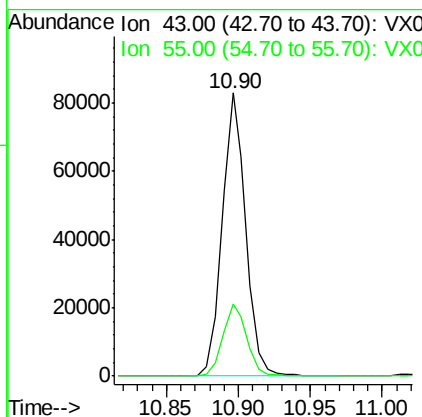
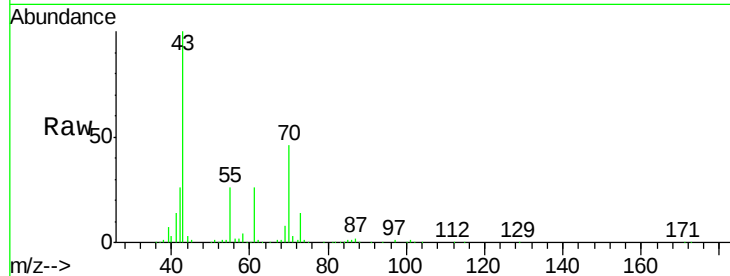
#47
n-amvl Acetate
Concen: 17.335 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 94546
Ion Ratio Lower Upper
43 100
55 26.0 20.8 31.2

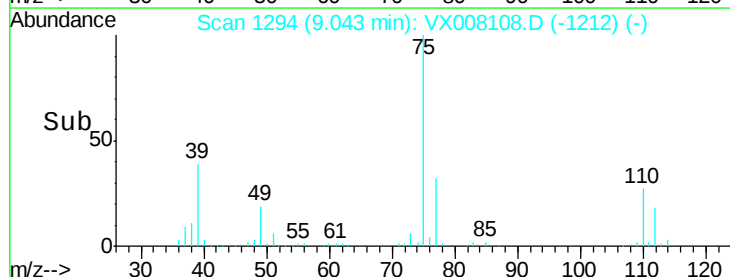
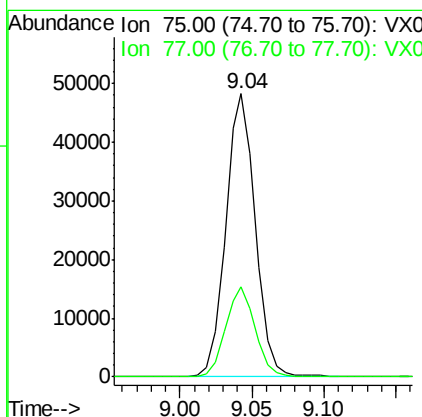
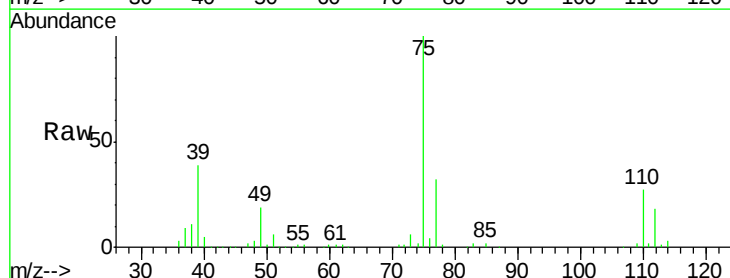
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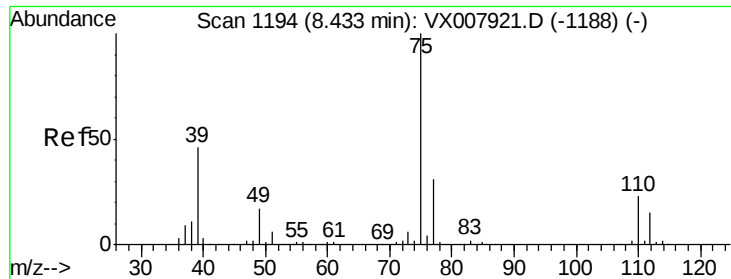
MMDadoda
3/16/2019 10:33:12 AM



#48
t-1,3-Dichloropropene
Concen: 18.873 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion: 75 Resp: 69164
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7





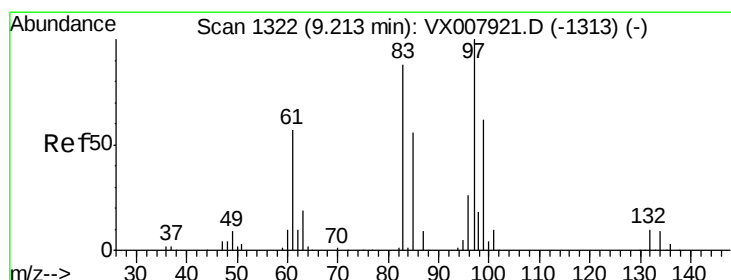
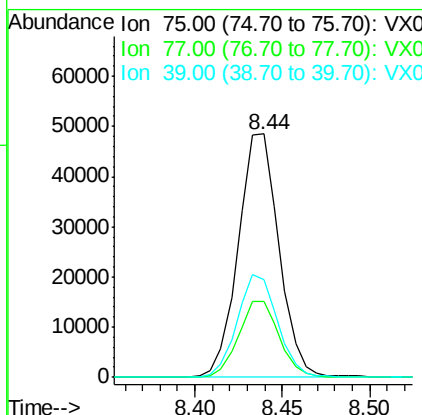
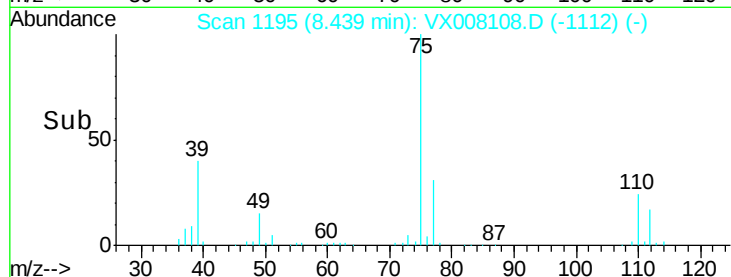
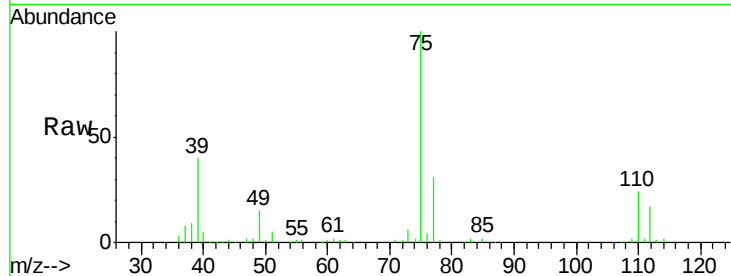
#49
 cis-1,3-Dichloropropene
 Concen: 18.912 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	39.9	38.5	57.7

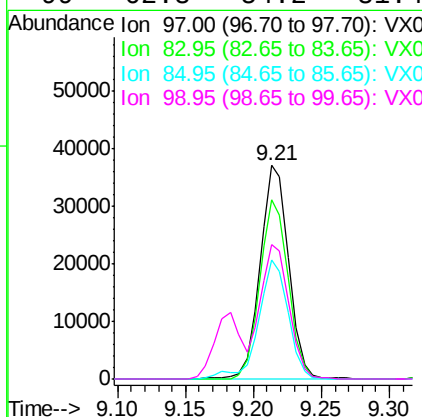
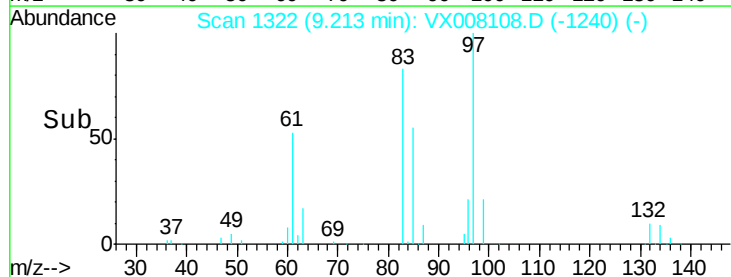
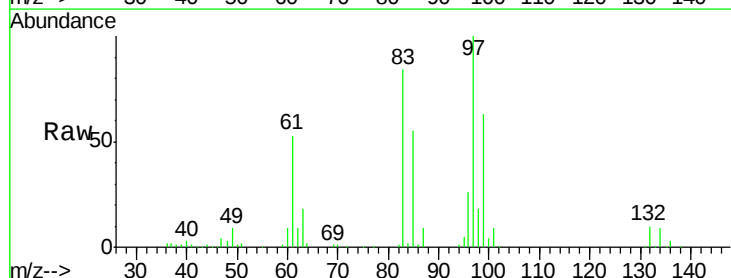
Manual Integrations
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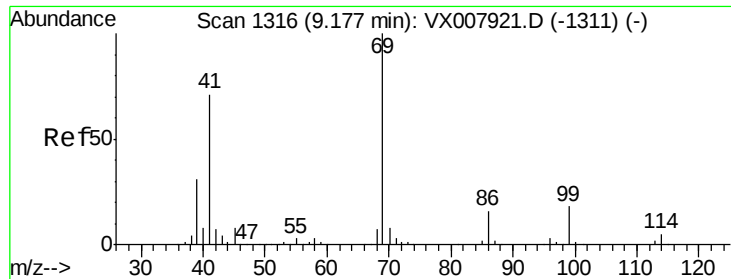
MMDadoda
 3/16/2019 10:33:12 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.053 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	72.0	108.0
85	55.5	45.0	67.6
99	62.8	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.199 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

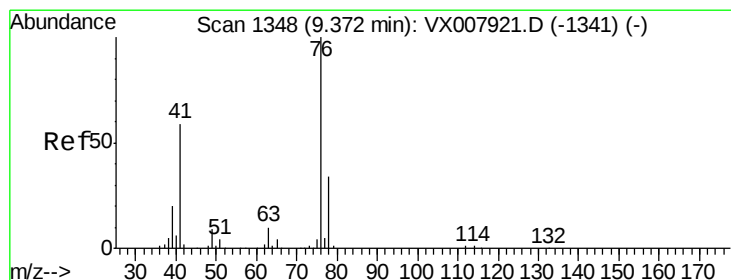
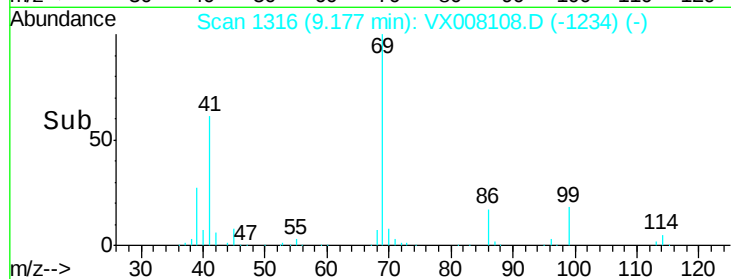
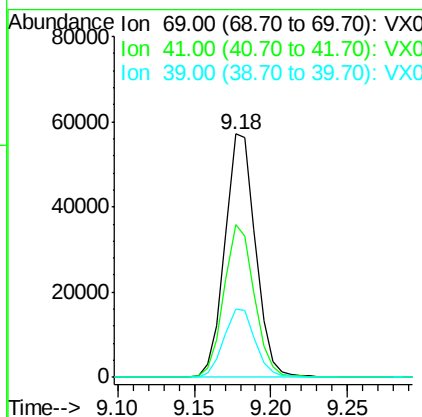
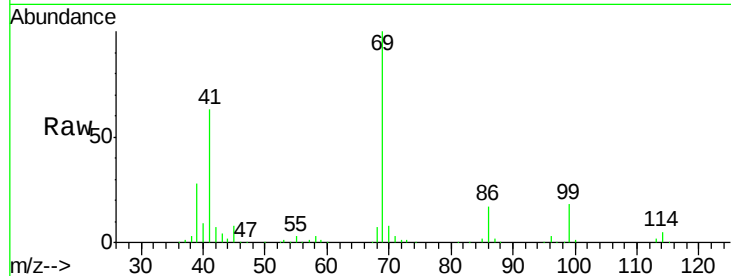
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	79452
Ion	Ratio	Lower	Upper
69	100		
41	62.6	32.1	96.5
39	28.0	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 19.553 ug/l

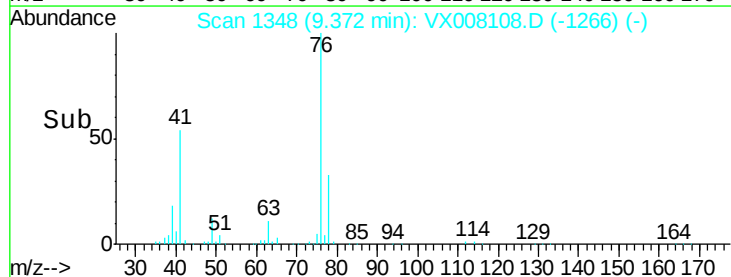
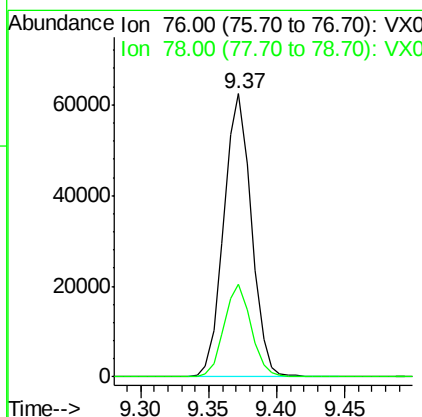
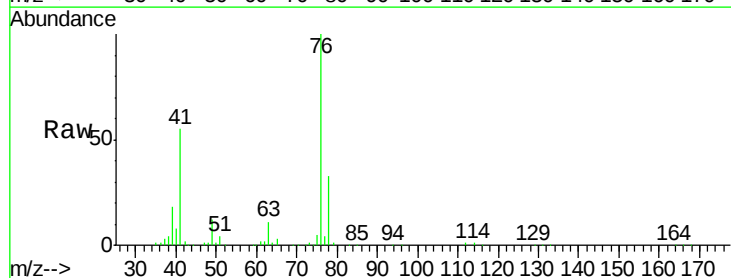
RT: 9.37 min Scan# 1348

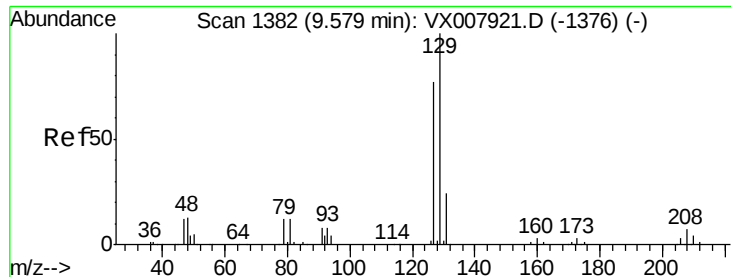
Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Tgt Ion:	76	Resp:	88162
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.2





#53

Dibromochloromethane

Concen: 20.058 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 56301

Ion Ratio Lower Upper

129 100

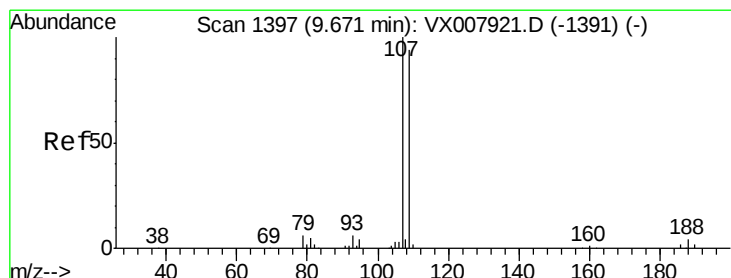
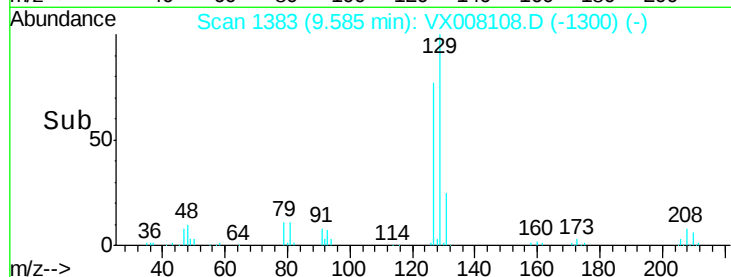
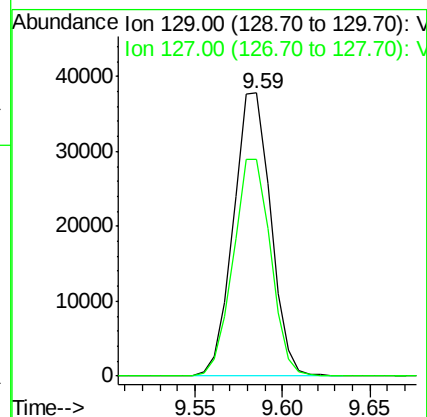
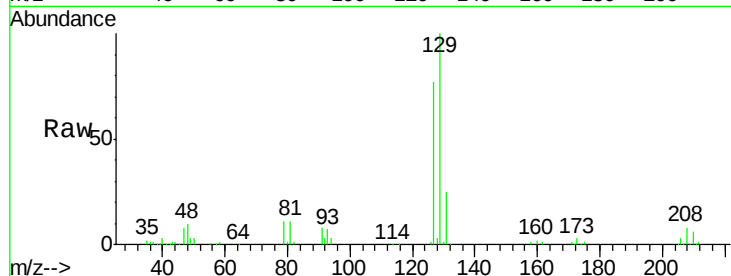
127 76.7 38.4 115.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 20.409 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008108.D

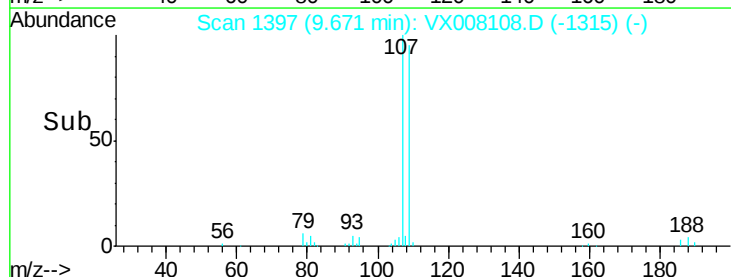
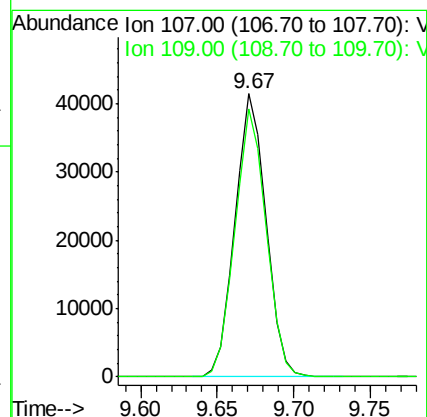
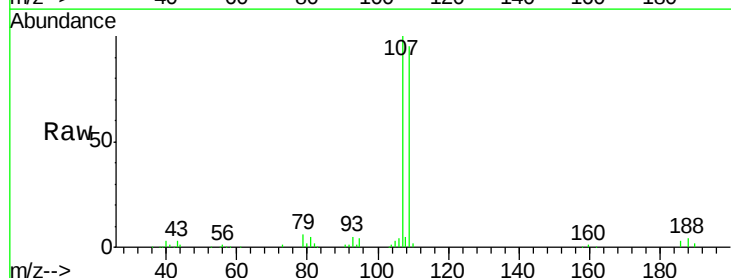
Acq: 15 Mar 2019 15:23

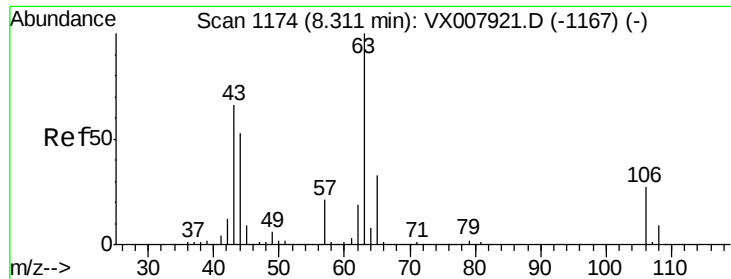
Tgt Ion:107 Resp: 58224

Ion Ratio Lower Upper

107 100

109 95.1 76.6 115.0





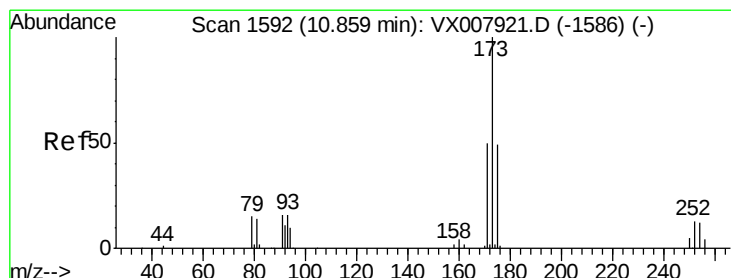
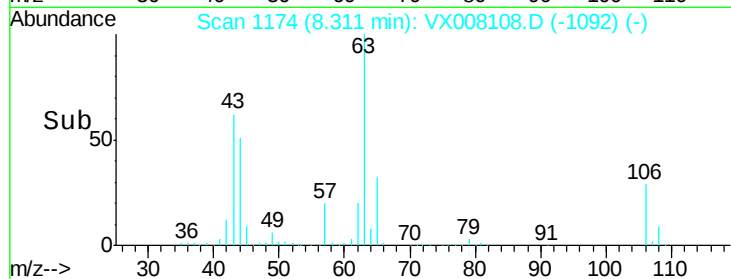
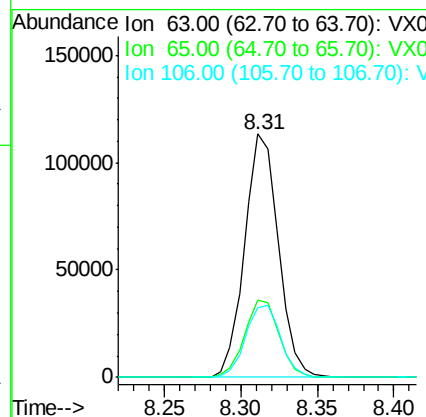
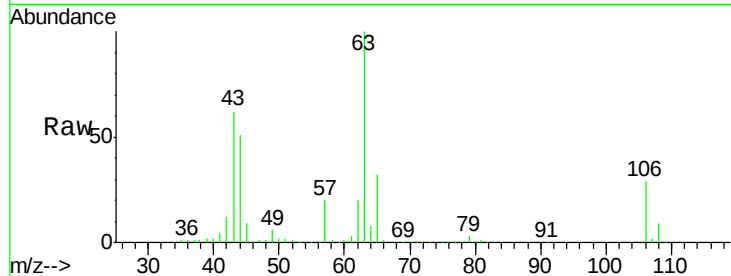
#55
2-Chloroethyl vinyl ether
Concen: 90.488 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.7	38.5
106	30.5	23.7	35.5

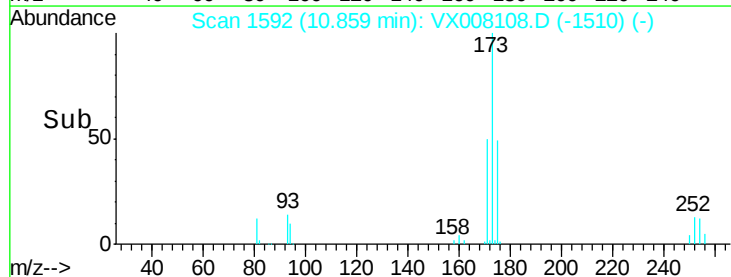
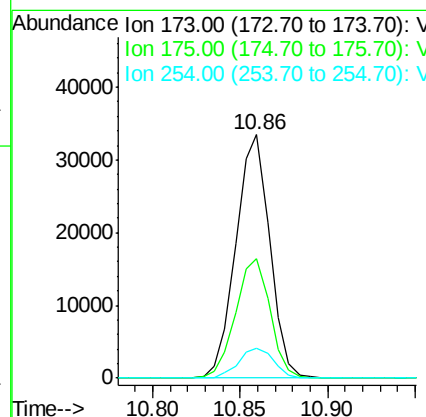
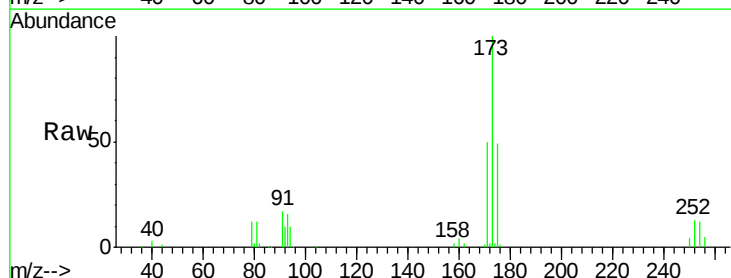
Manual Integrations
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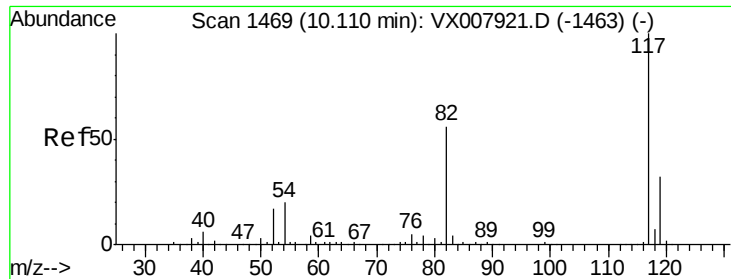
MMDadoda
3/16/2019 10:33:12 AM



#56
Bromoform
Concen: 20.179 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.5	57.7
254	12.7	7.4	11.2





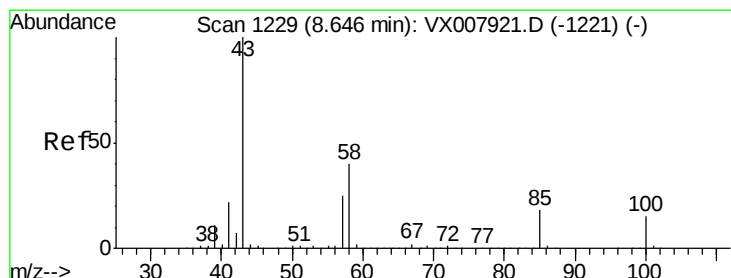
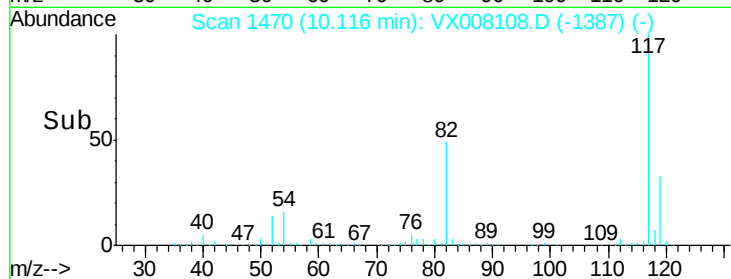
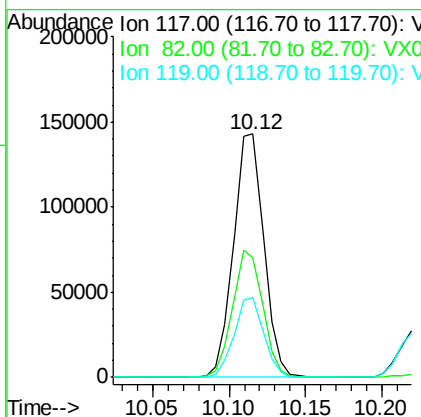
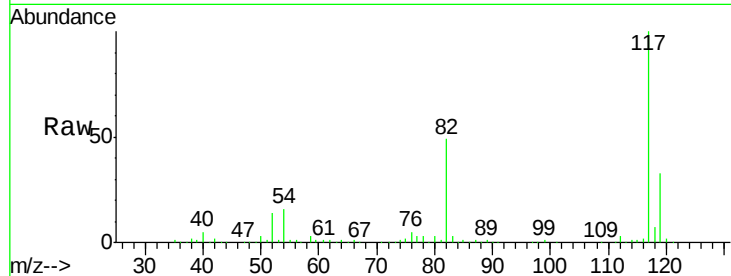
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	40.4	60.6
119	31.9	25.8	38.6

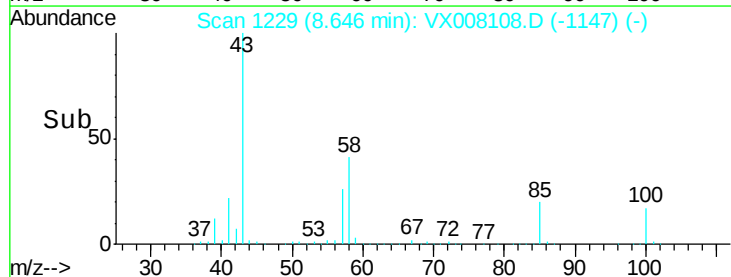
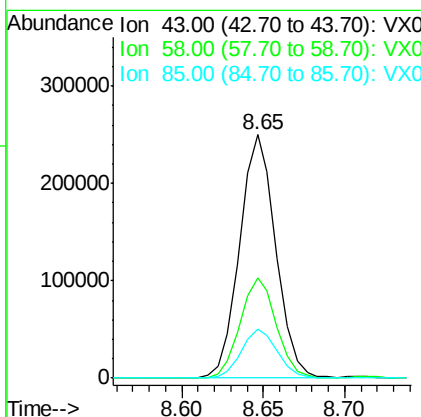
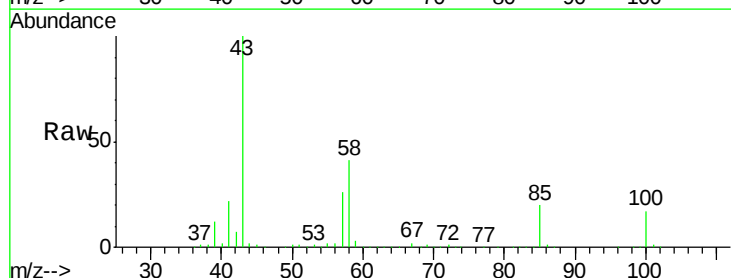
Manual Integrations
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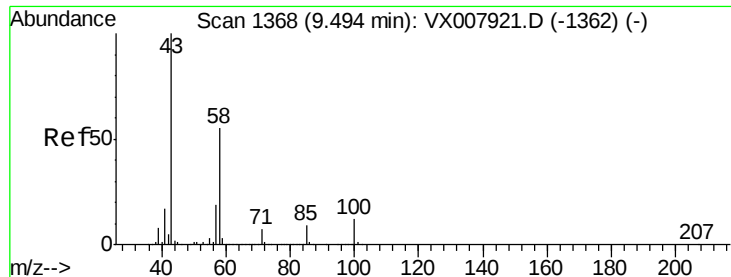
MMDadoda
3/16/2019 10:33:12 AM



#58
4-Methyl-2-Pentanone
Concen: 94.970 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.4	47.0
85	20.1	15.0	22.6





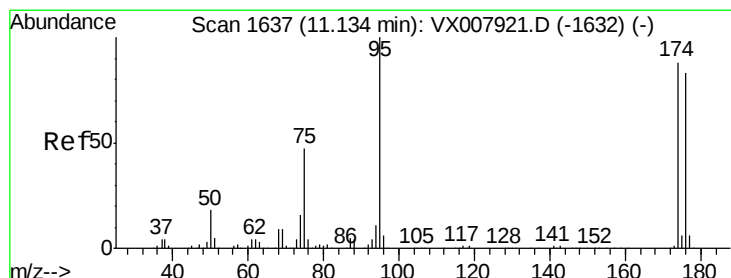
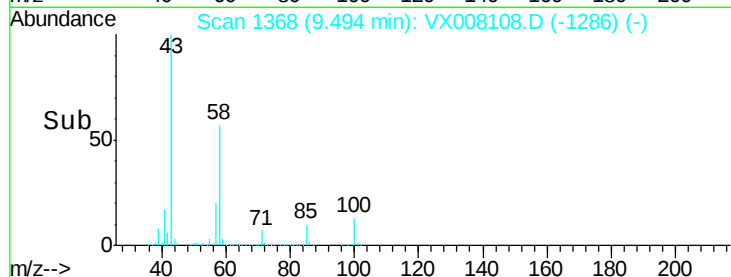
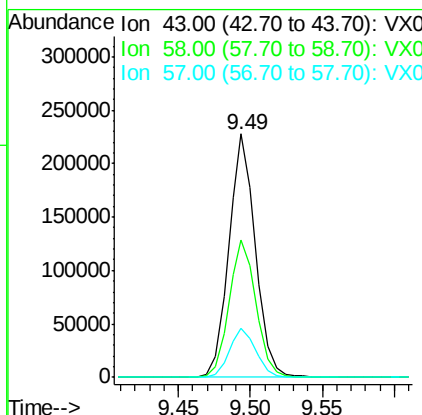
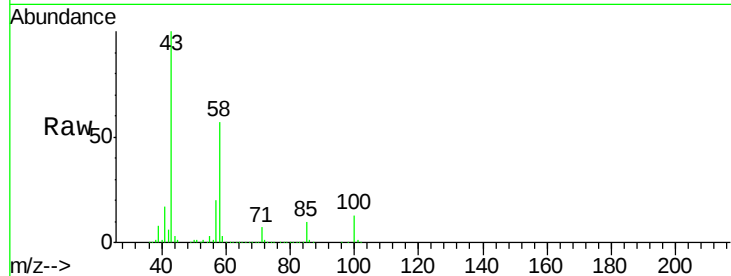
#59
2-Hexanone
Concen: 91.609 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	43.9	65.9
57	20.3	14.9	22.3

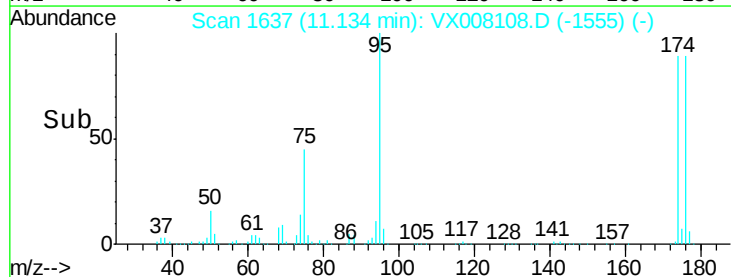
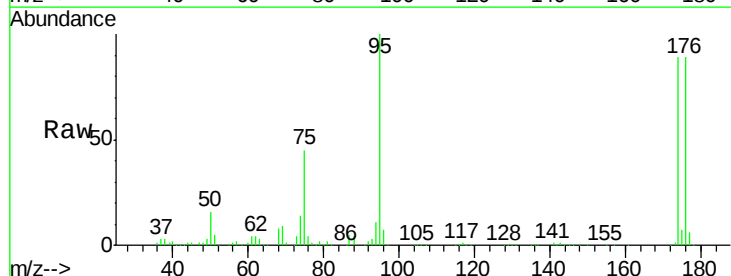
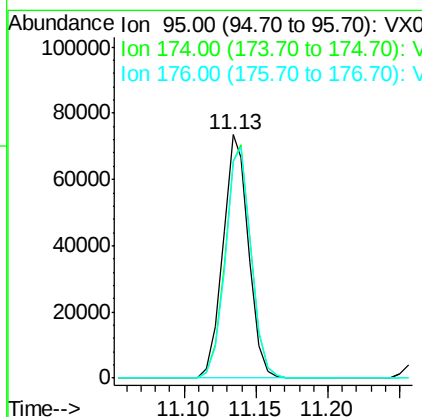
Manual Integrations
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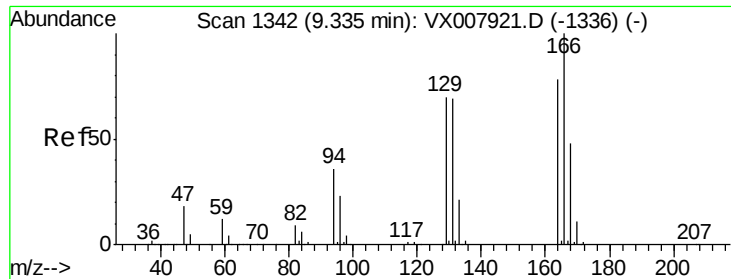
MMDadoda
3/16/2019 10:33:12 AM



#60
4-Bromofluorobenzene
Concen: 29.130 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	74.9	112.3
176	95.6	70.7	106.1





#61

Tetrachloroethene

Concen: 21.535 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 61946

Ion Ratio Lower Upper

164 100

166 128.8 103.9 155.9

129 86.1 74.7 112.1

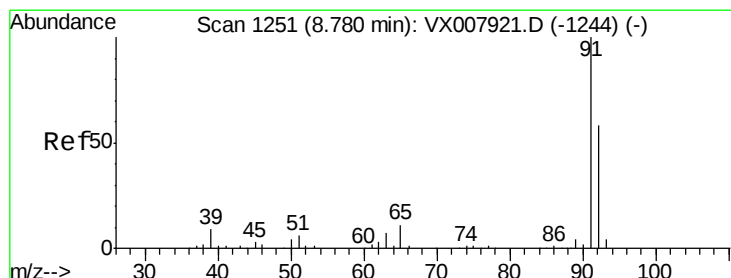
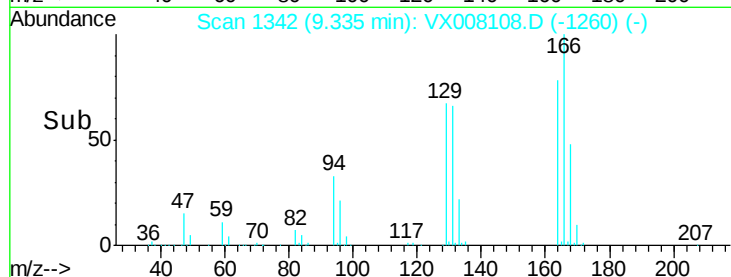
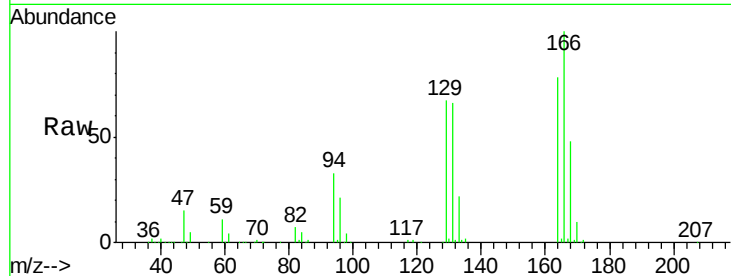
131 84.9 71.7 107.5

Manual Integrations

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3/16/2019 10:33:12 AM



#62

Toluene

Concen: 19.738 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008108.D

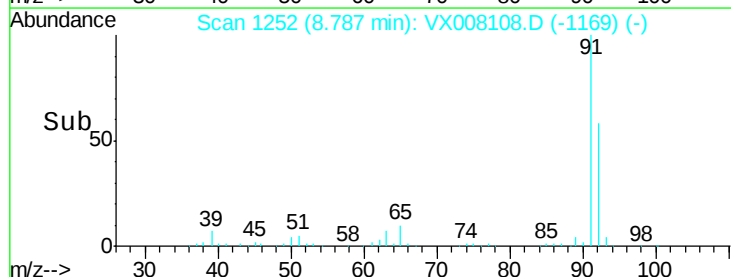
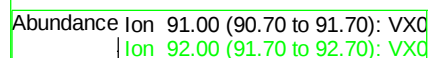
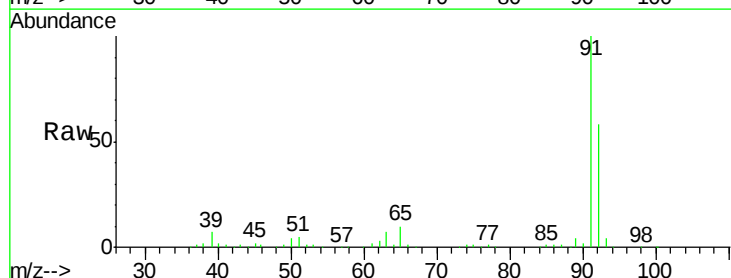
Acq: 15 Mar 2019 15:23

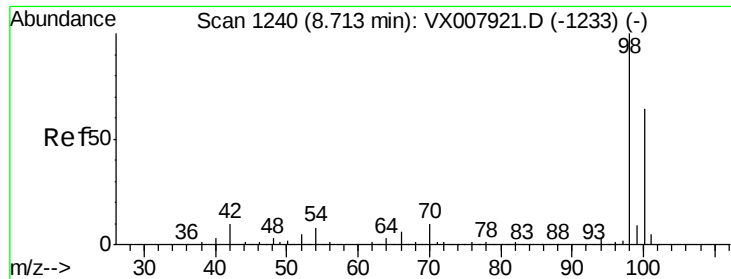
Tgt Ion: 91 Resp: 227273

Ion Ratio Lower Upper

91 100

92 58.0 46.4 69.6





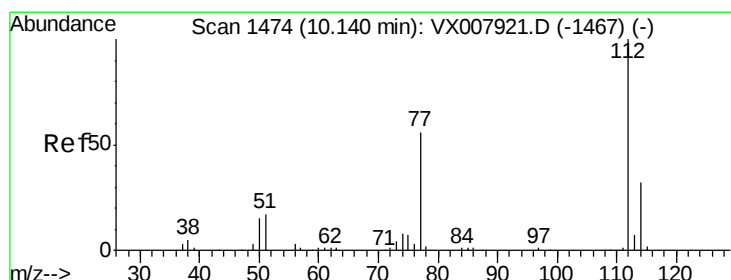
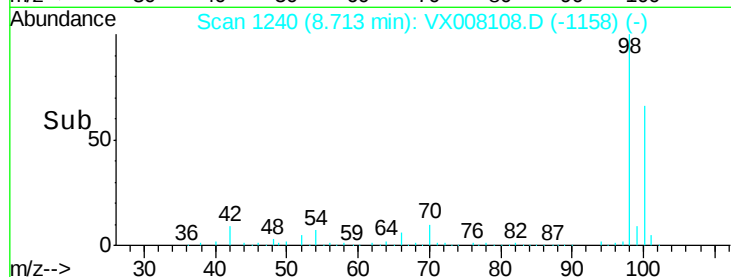
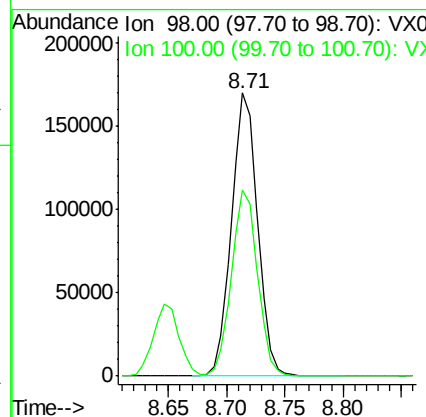
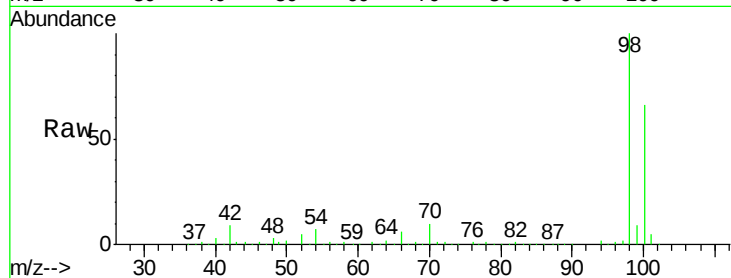
#63
Toluene-d8
Concen: 29.322 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 264609
Ion Ratio Lower Upper
98 100
100 65.5 50.9 76.3

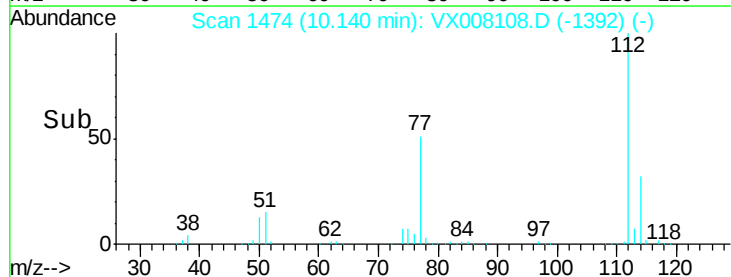
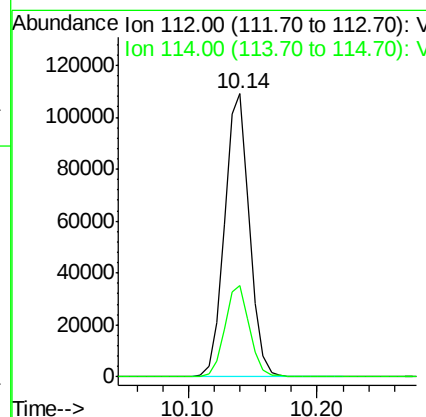
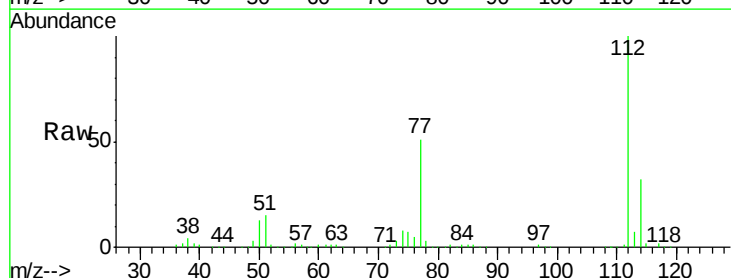
Manual Integrations
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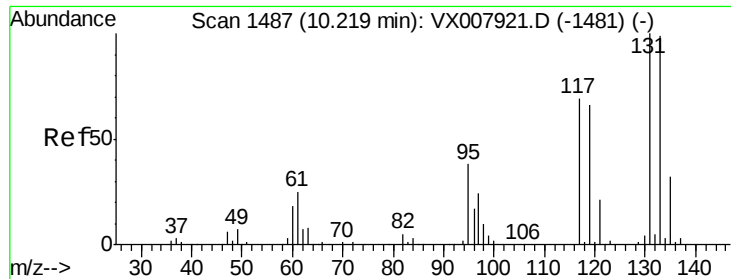
MMDadoda
3/16/2019 10:33:12 AM



#64
Chlorobenzene
Concen: 20.189 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion: 112 Resp: 148155
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2





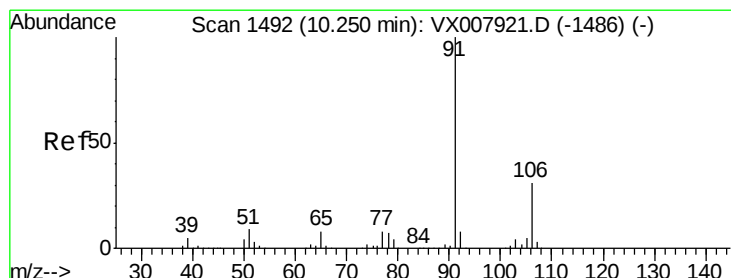
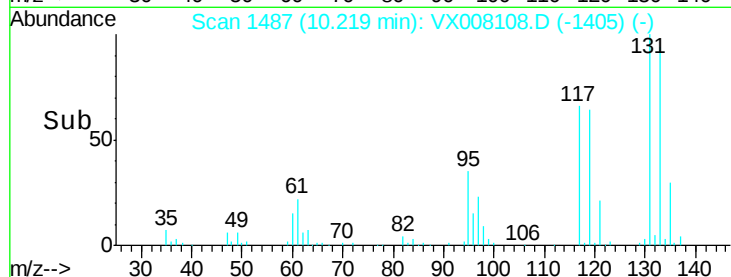
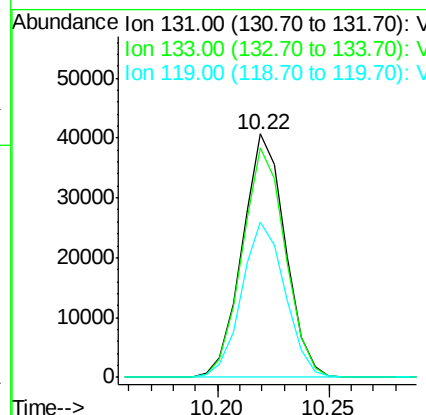
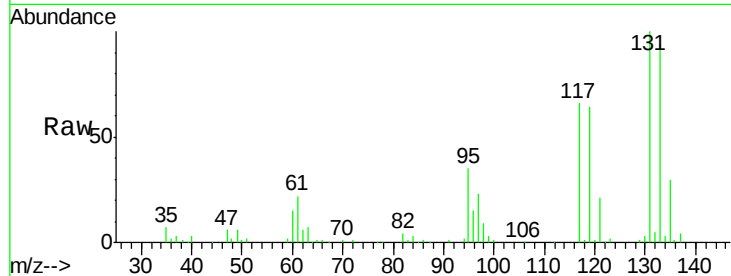
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.849 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.6	0.0	191.6
119	64.4	0.0	127.4

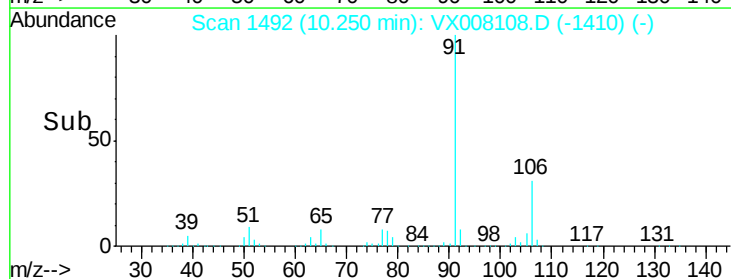
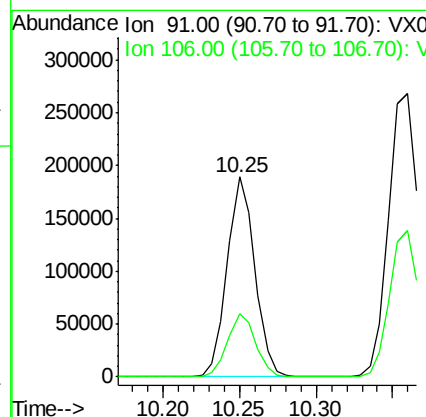
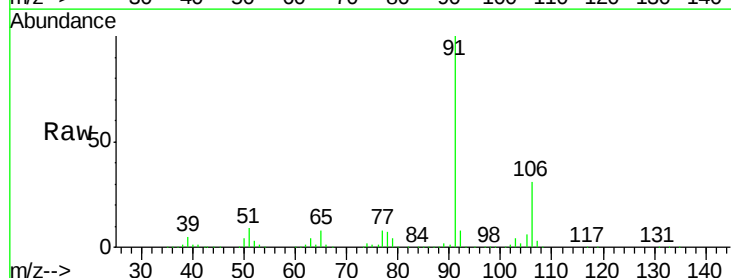
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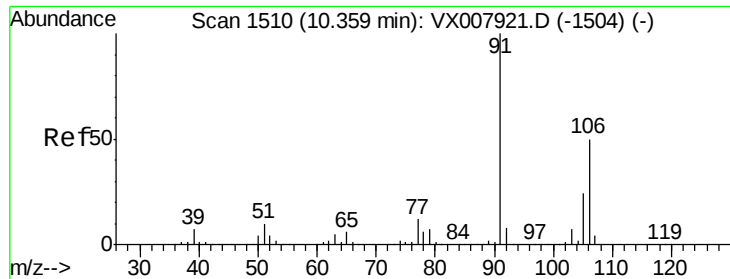
MMDadoda
 3/16/2019 10:33:12 AM



#66
 Ethyl Benzene
 Concen: 19.138 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	26.0	39.0





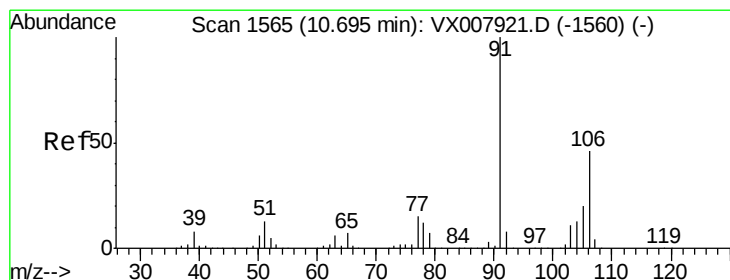
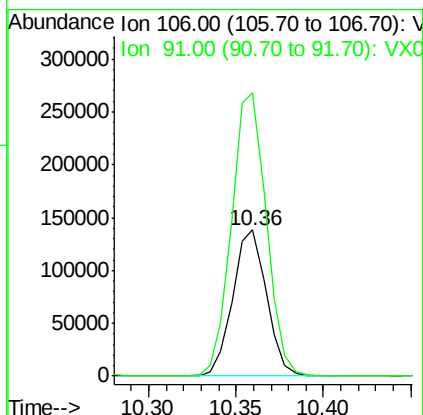
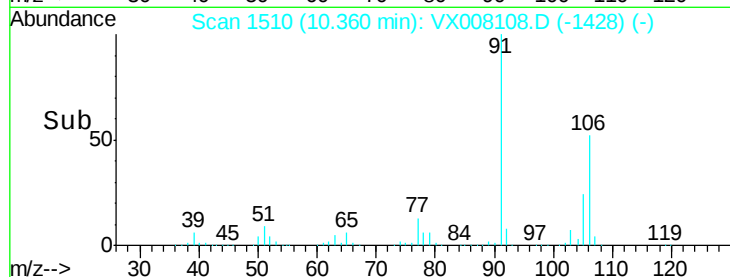
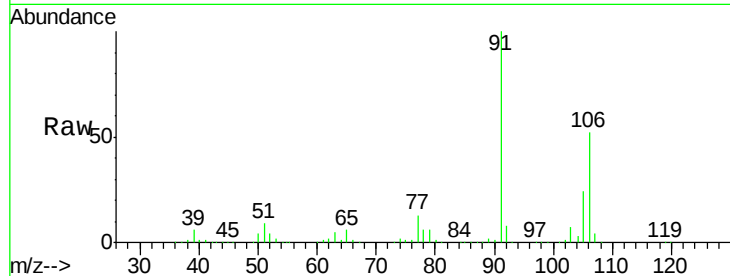
#67
m/p-Xylenes
Concen: 39.310 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 186420
Ion Ratio Lower Upper
106 100
91 198.6 157.0 235.4

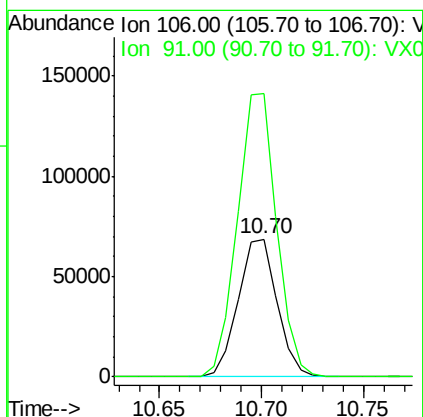
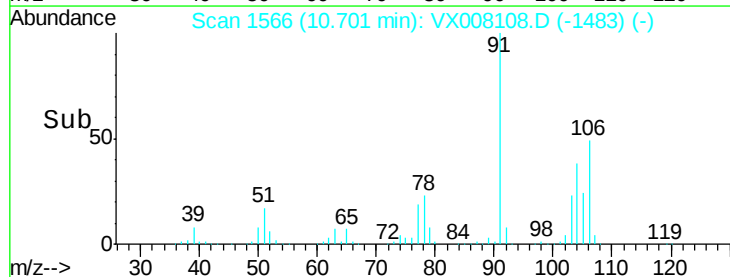
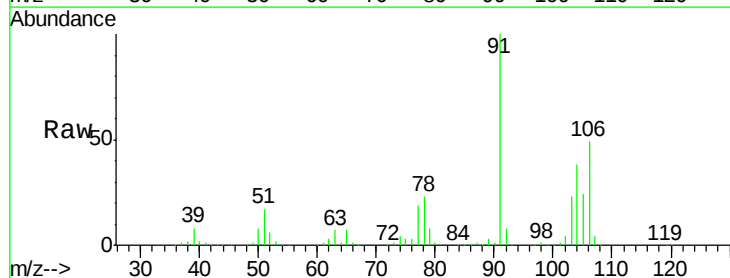
Manual Integrations
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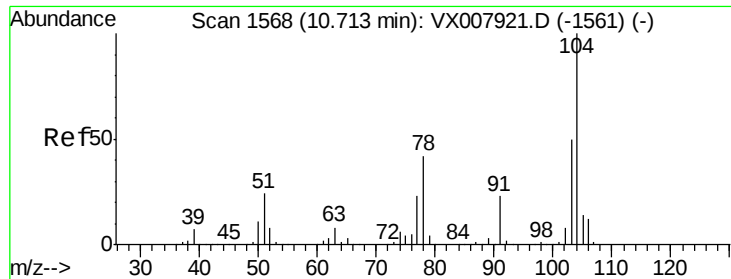
MMDadoda
3/16/2019 10:33:12 AM



#68
o-Xylene
Concen: 19.856 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion:106 Resp: 91435
Ion Ratio Lower Upper
106 100
91 206.4 104.4 313.2





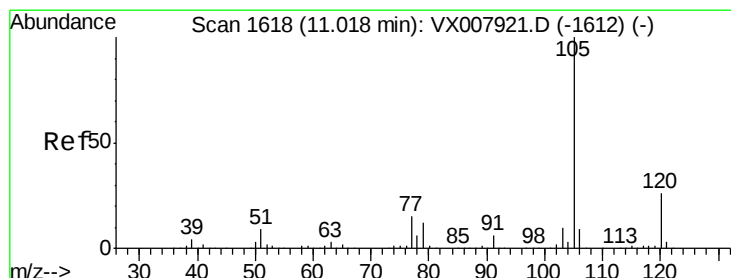
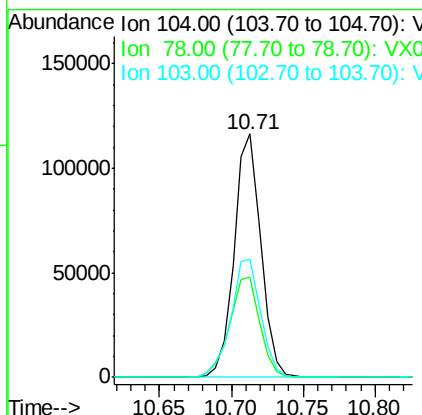
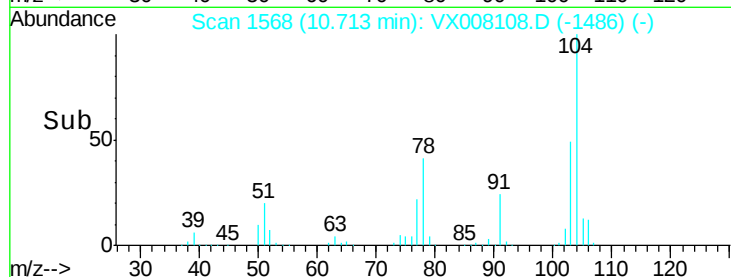
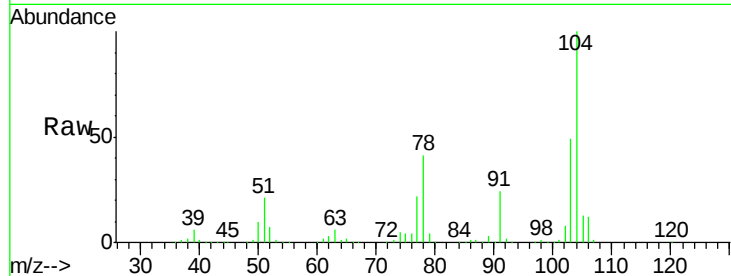
#69
Stvrene
Concen: 19.969 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.2	57.2
103	54.4	45.0	67.4

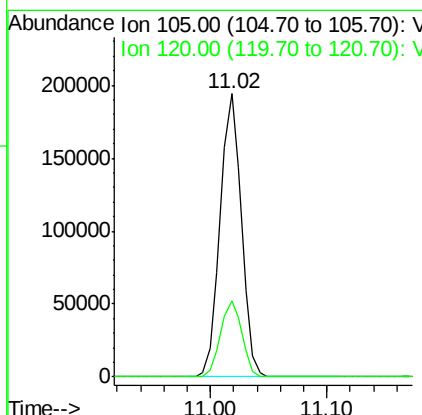
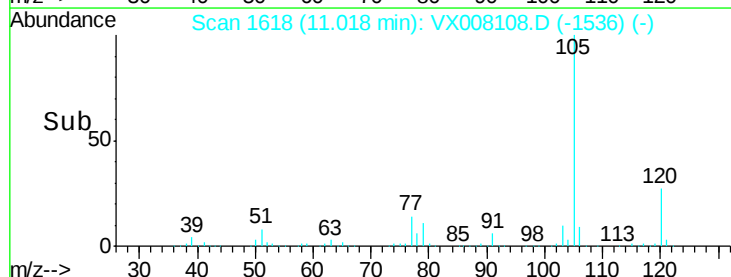
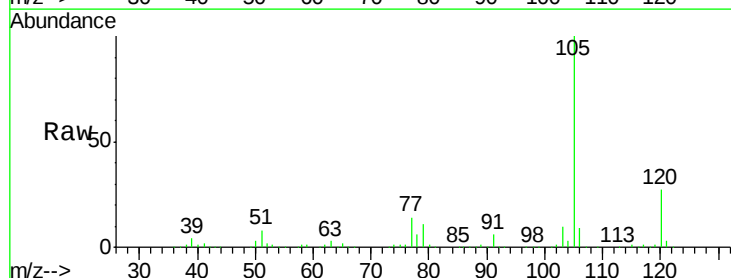
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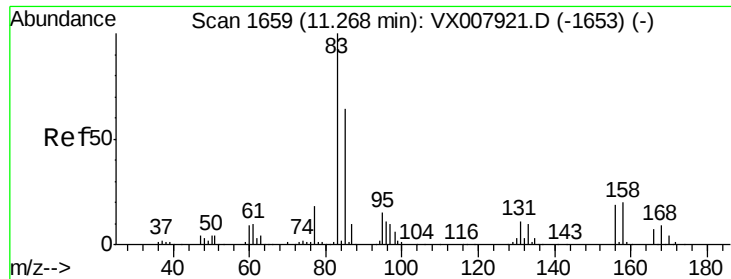
MMDadoda
3/16/2019 10:33:12 AM



#70
Isopropylbenzene
Concen: 19.823 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.8	36.8





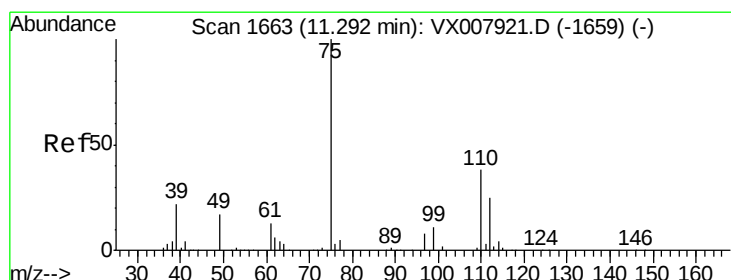
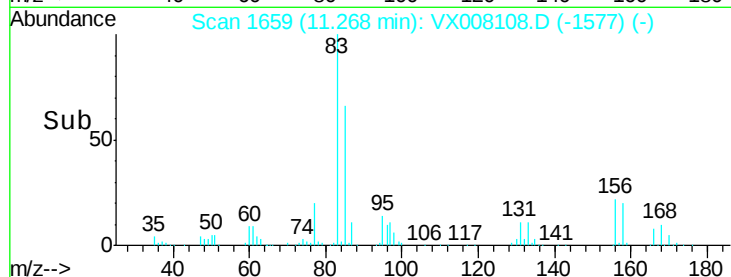
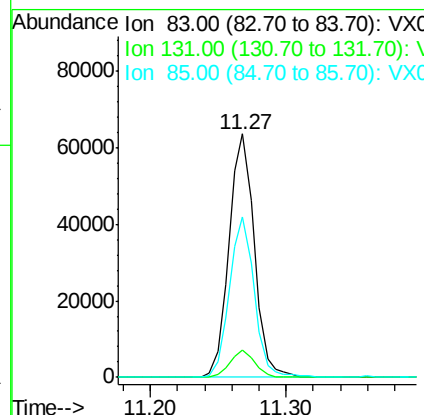
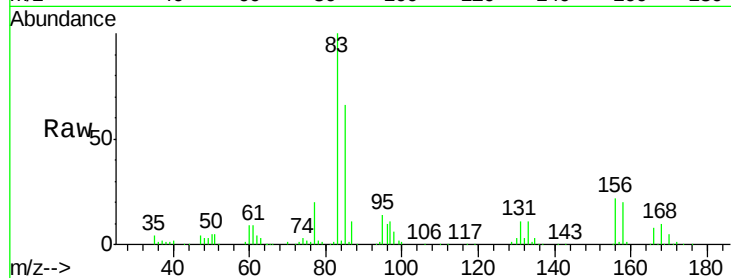
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.147 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	81876
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	65.0	32.8	98.4

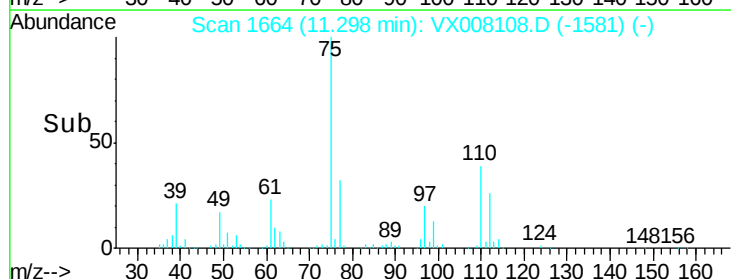
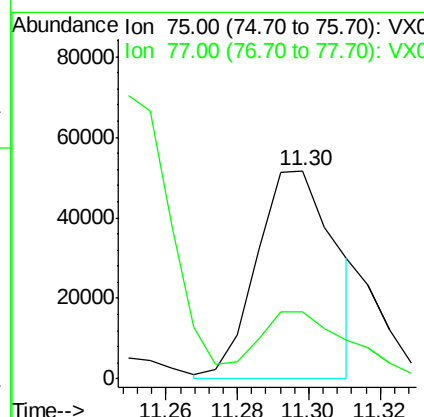
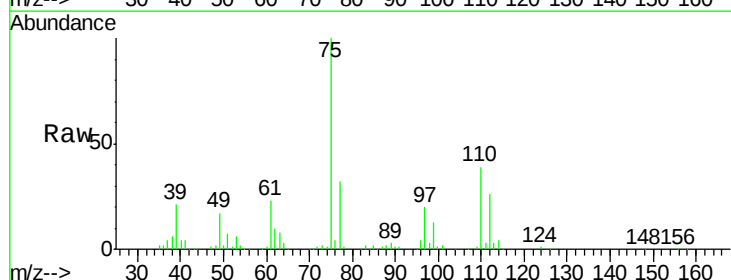
Manual Integrations
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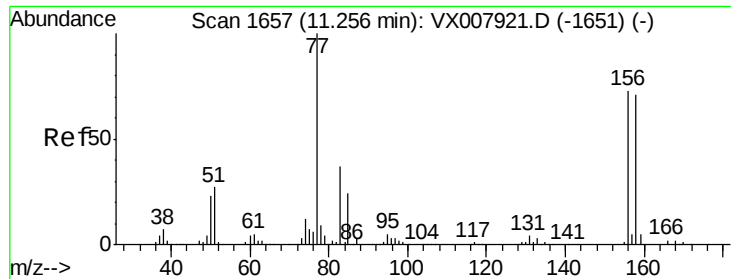
MMDadoda
 3/16/2019 10:33:12 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.614 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	75	Resp	78965
Ion Ratio	100	Lower	Upper
75	100		
77	38.3	0.0	76.4





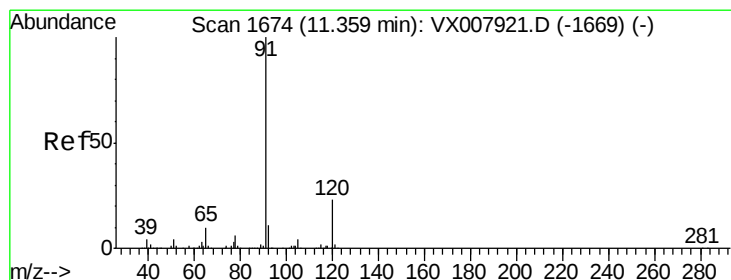
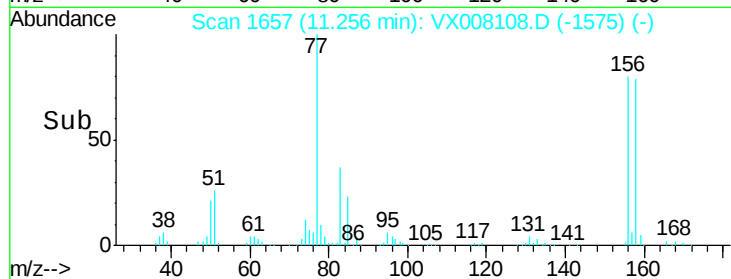
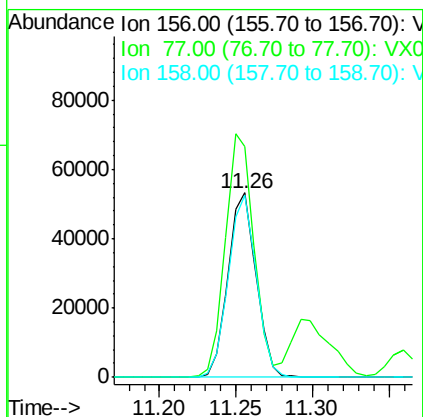
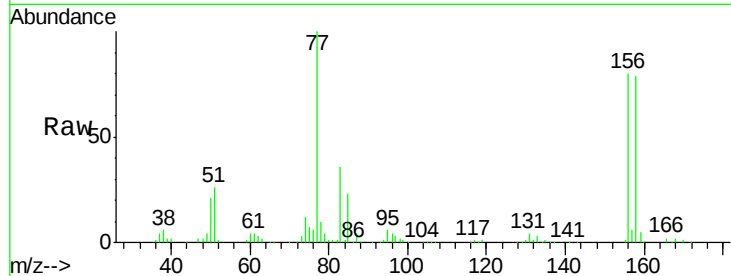
#73
Bromobenzene
Concen: 20.755 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.6	0.0	271.4
158	98.5	0.0	194.0

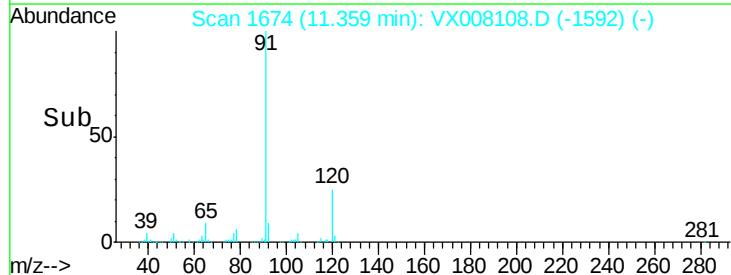
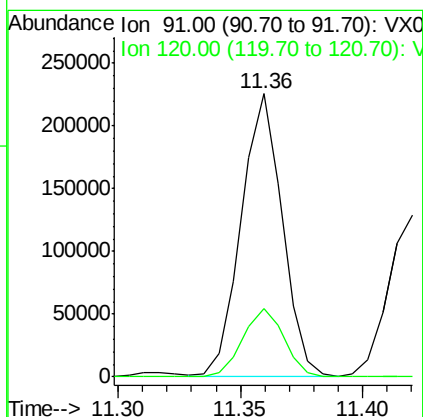
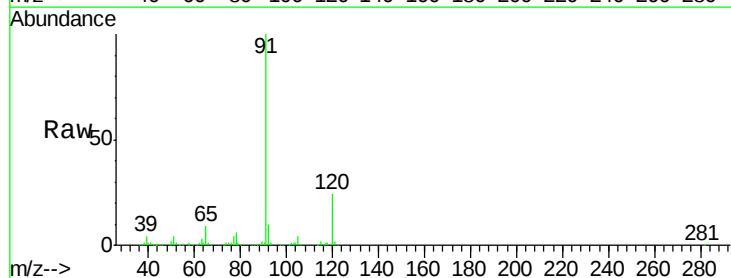
Manual Integrations
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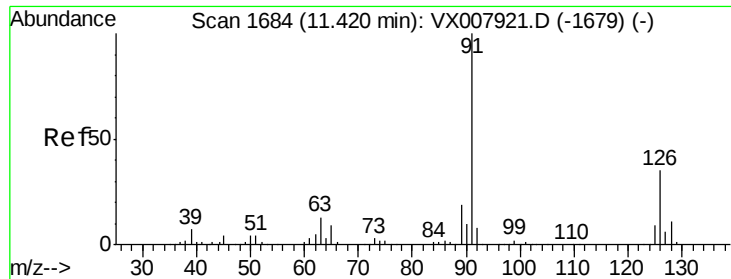
MMDadoda
3/16/2019 10:33:12 AM



#74
n-propylbenzene
Concen: 19.086 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.341 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 160907

Ion Ratio Lower Upper

91 100

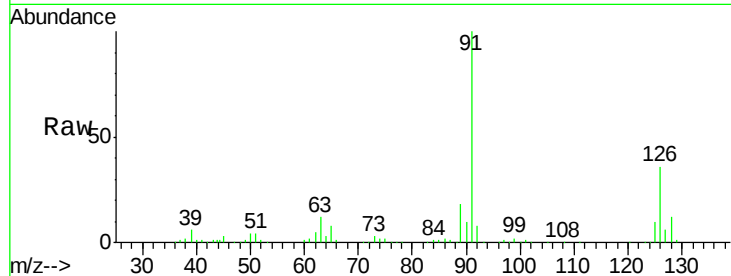
126 36.2 0.0 75.2

Manual Integrations

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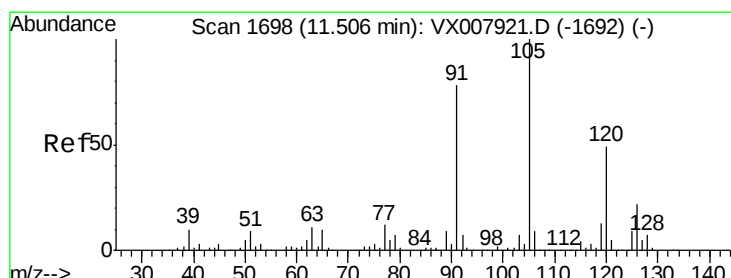
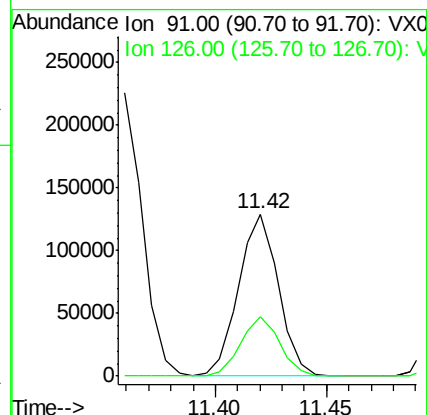
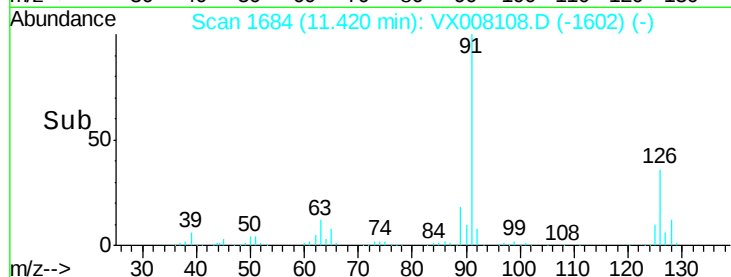
MMDadoda

3/16/2019 10:33:12 AM



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

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



#76

1,3,5-Trimethylbenzene

Concen: 19.811 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008108.D

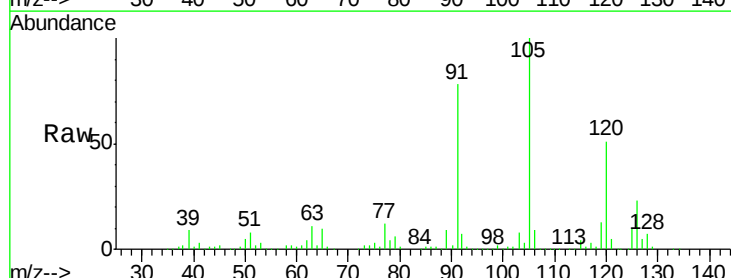
Acq: 15 Mar 2019 15:23

Tgt Ion: 105 Resp: 202033

Ion Ratio Lower Upper

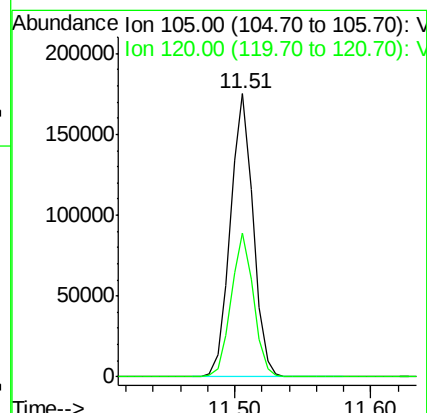
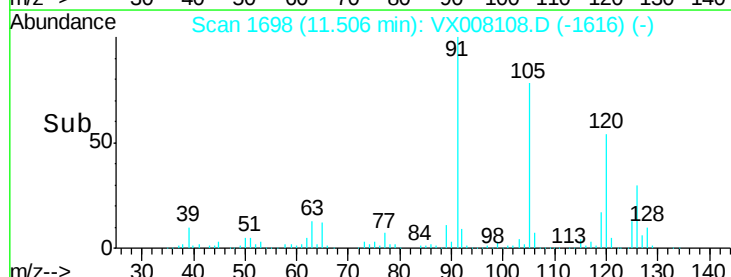
105 100

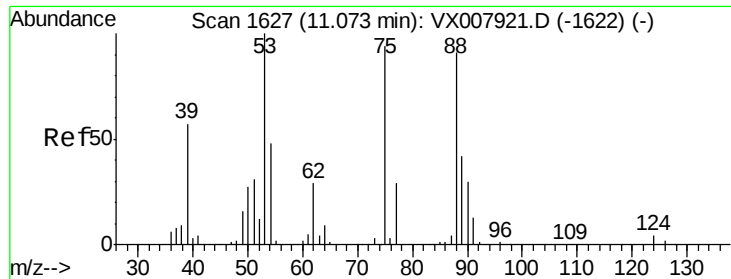
120 49.9 0.0 101.0



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 19.214 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 22741

Ion Ratio Lower Upper

75 100

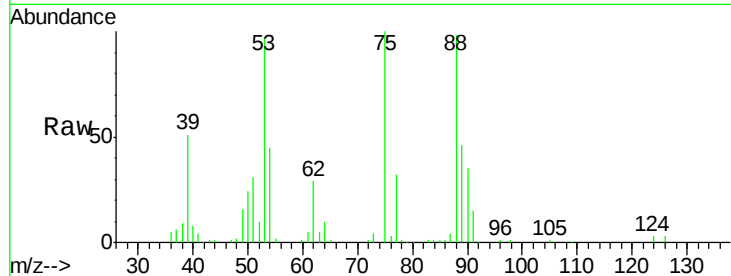
53 97.0 55.5 166.7

89 46.2 24.4 73.2

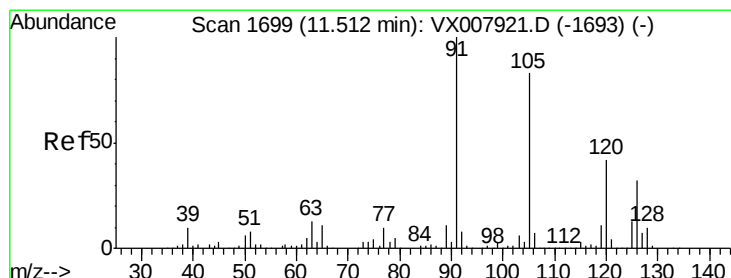
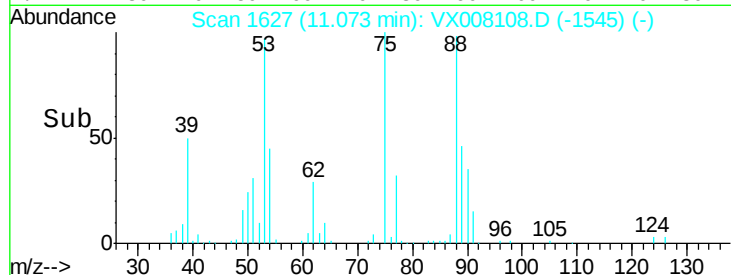
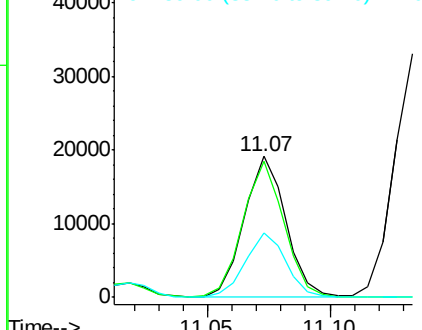
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.219 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008108.D

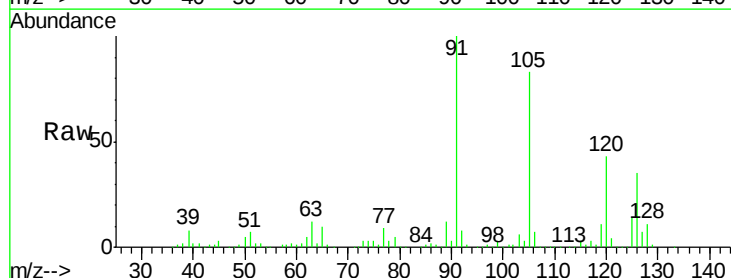
Acq: 15 Mar 2019 15:23

Tgt Ion: 91 Resp: 180776

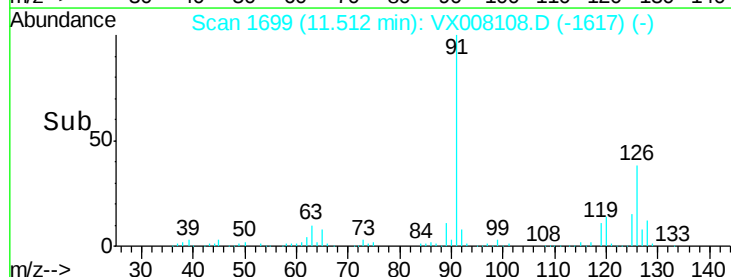
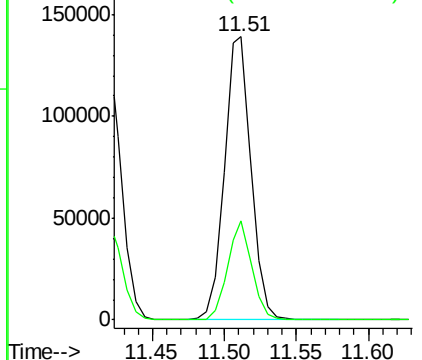
Ion Ratio Lower Upper

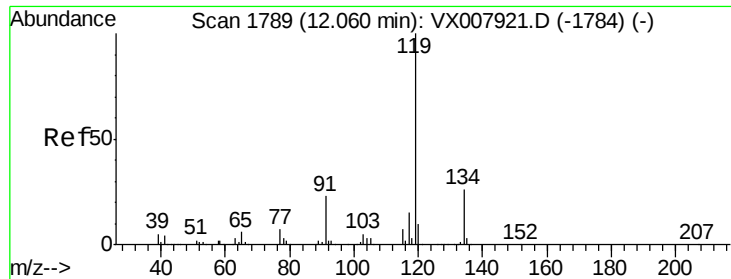
91 100

126 31.6 0.0 66.2



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





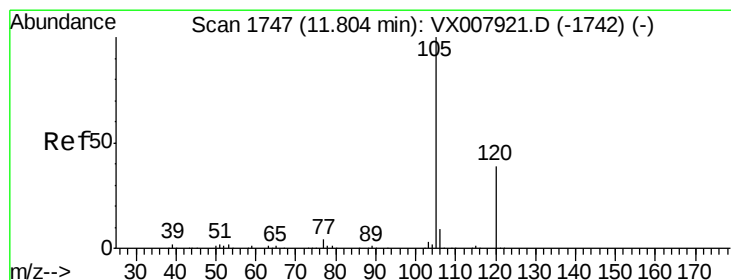
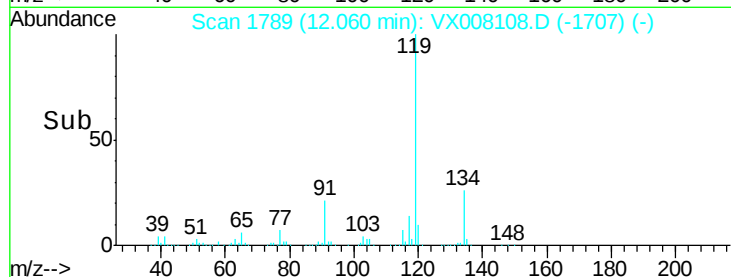
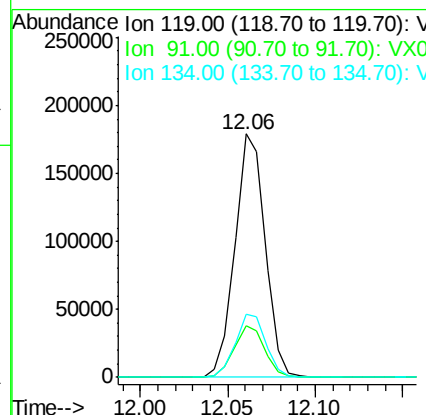
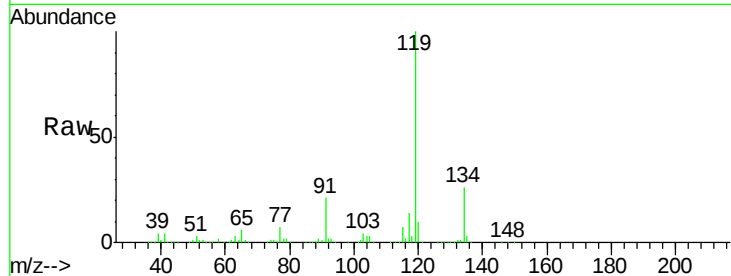
#79
tert-butylbenzene
Concen: 19.667 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215226		
91	21.3	0.0	45.0	
134	26.2	0.0	55.4	

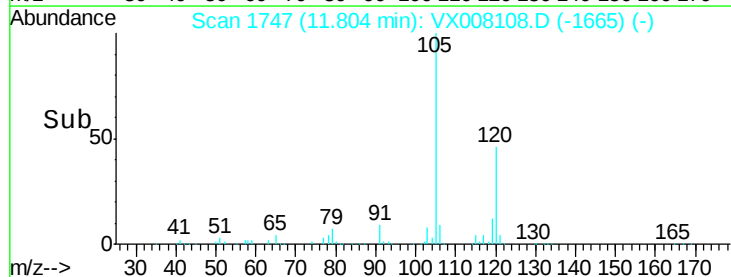
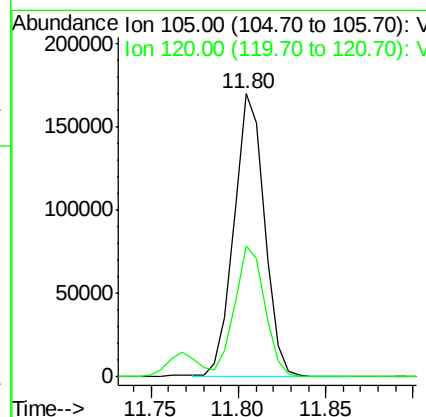
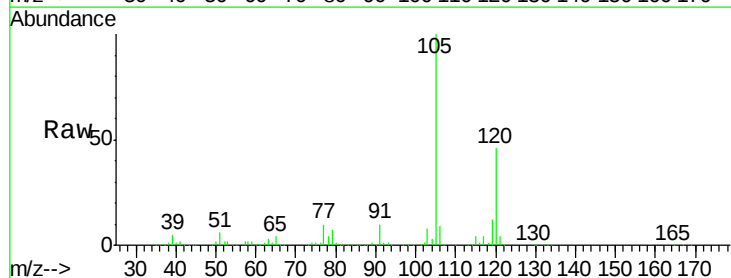
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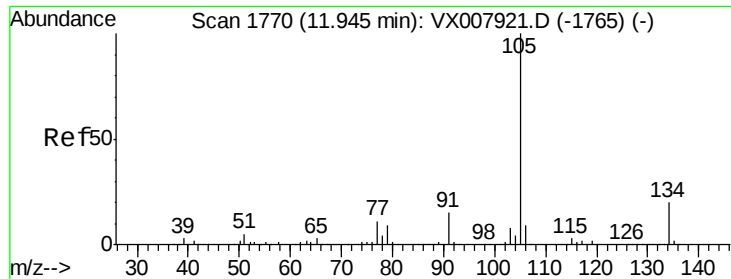
MMDadoda
3/16/2019 10:33:12 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.929 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206263		
120	45.5	0.0	94.0	





#81

sec-Butylbenzene

Concen: 19.340 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 237065

Ion Ratio Lower Upper

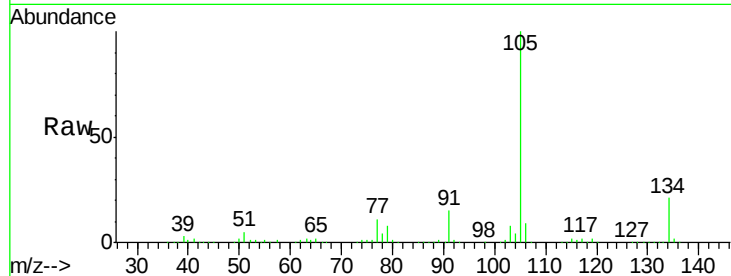
105 100

134 21.0 0.0 41.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

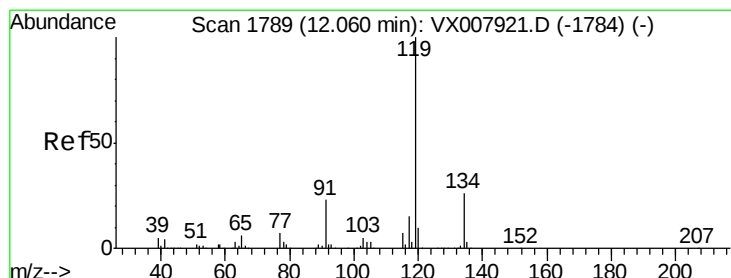
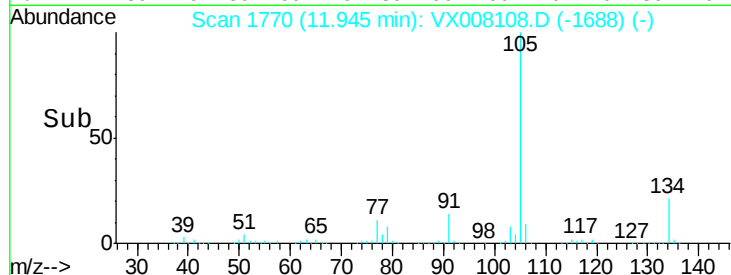
100000

50000

0

11.90 11.95 12.00

Time-->



#82

p-Isopropyltoluene

Concen: 19.667 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

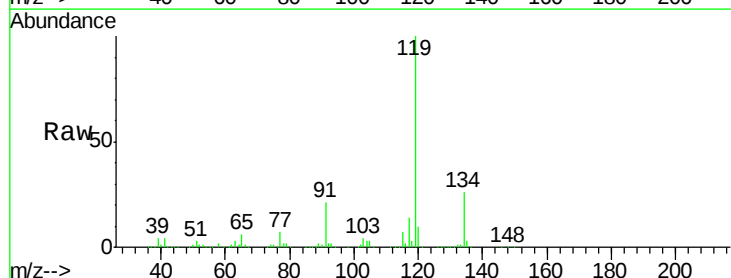
Tgt Ion:119 Resp: 215226

Ion Ratio Lower Upper

119 100

134 26.2 0.0 55.4

91 21.3 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

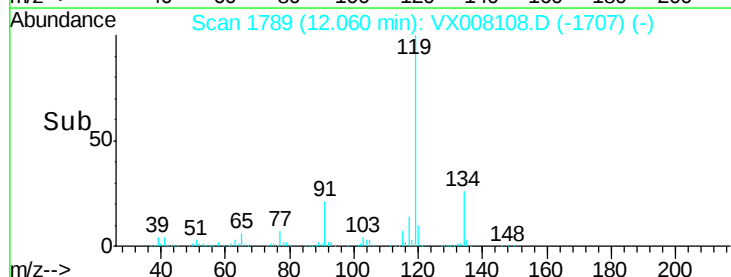
100000

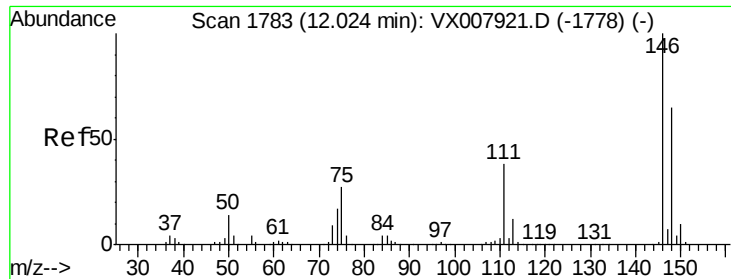
50000

0

12.00 12.05 12.10

Time-->





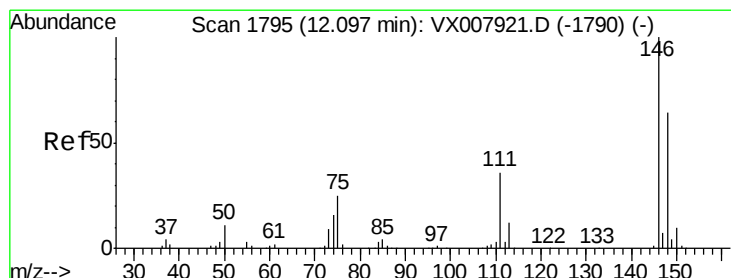
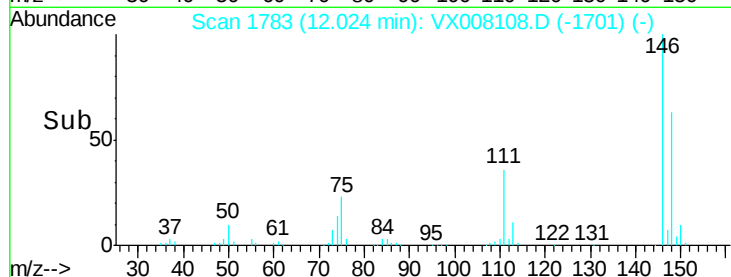
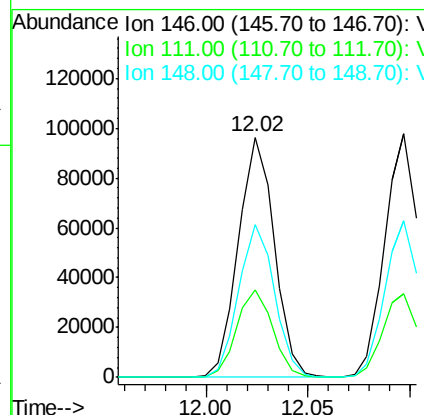
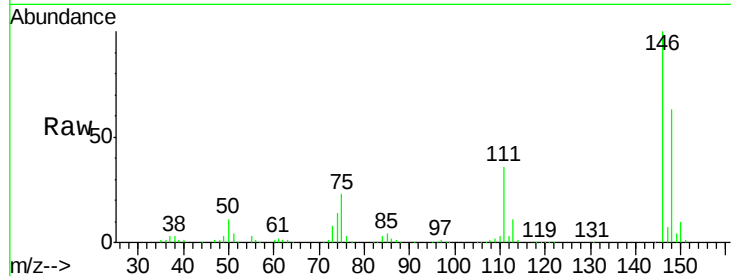
#83
 1,3-Dichlorobenzene
 Concen: 20.266 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	63.6	30.6	91.8

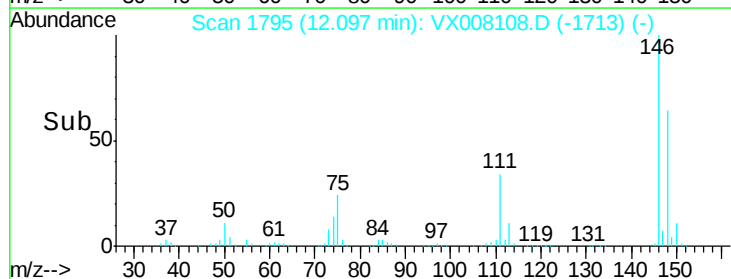
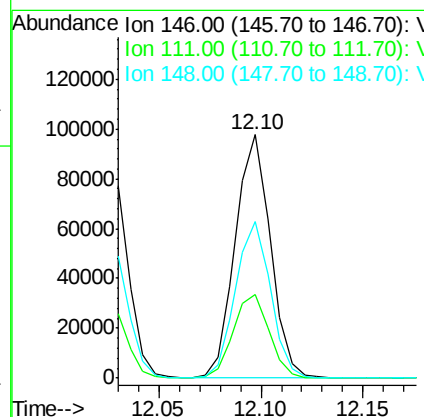
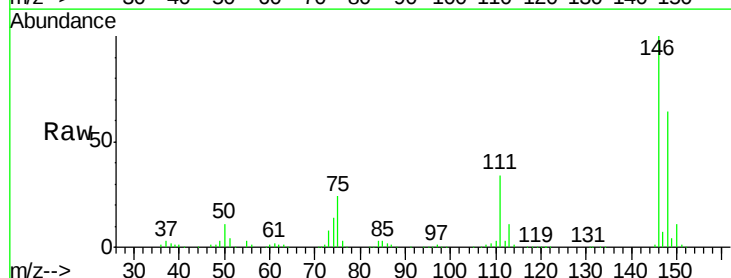
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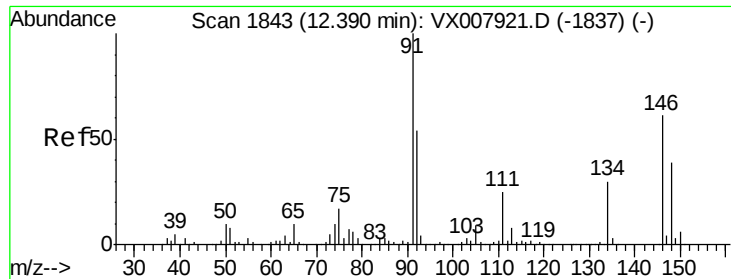
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 20.042 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.6	52.8
148	64.1	31.4	94.2





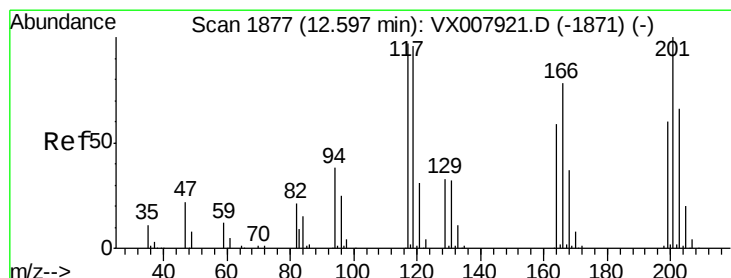
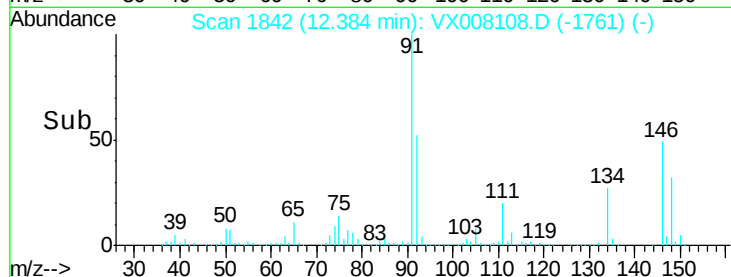
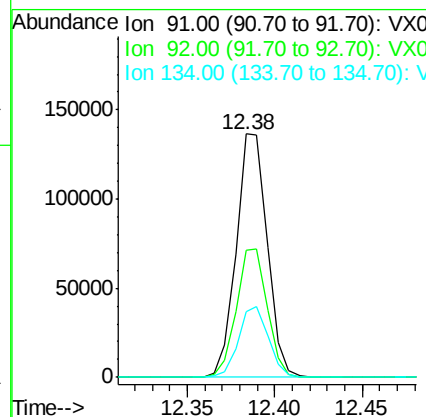
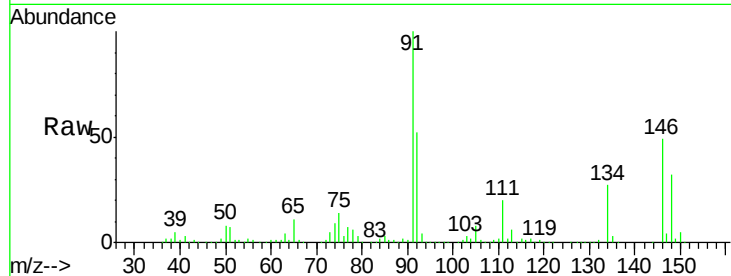
#85
n-Butylbenzene
Concen: 18.002 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	168480		
92	52.8	0.0	105.2	
134	28.2	0.0	56.4	

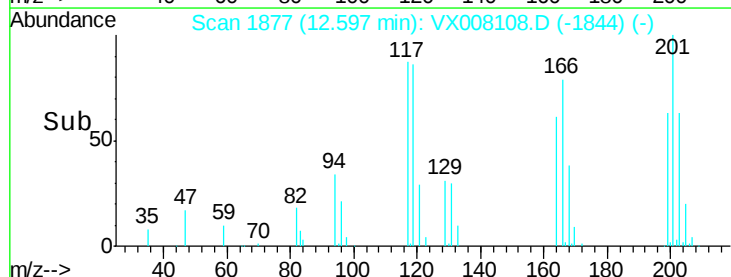
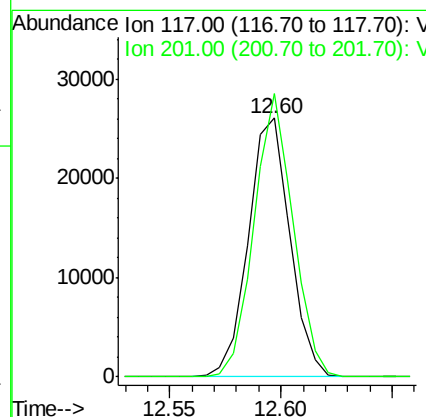
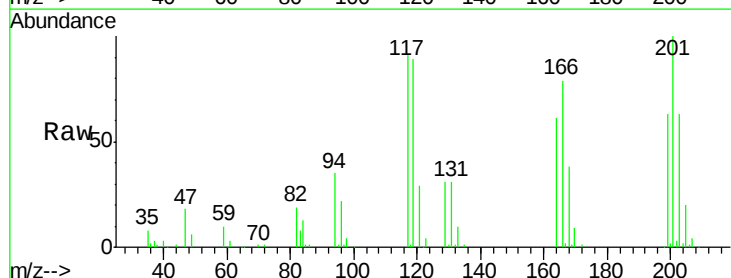
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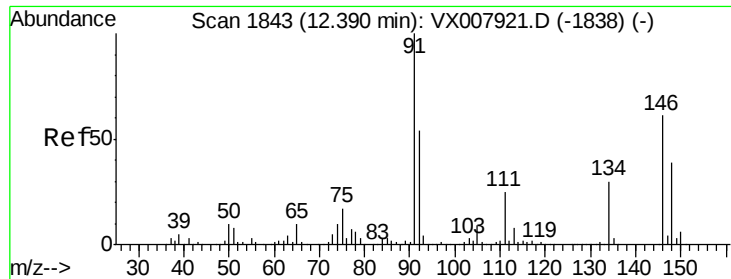
MMDadoda
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#86
Hexachloroethane
Concen: 19.047 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008108.D
Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33962		
201	102.2	41.1	123.3	





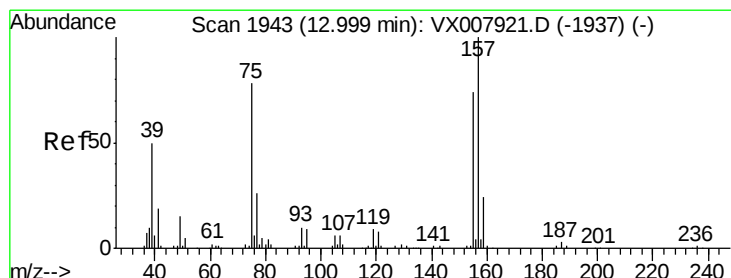
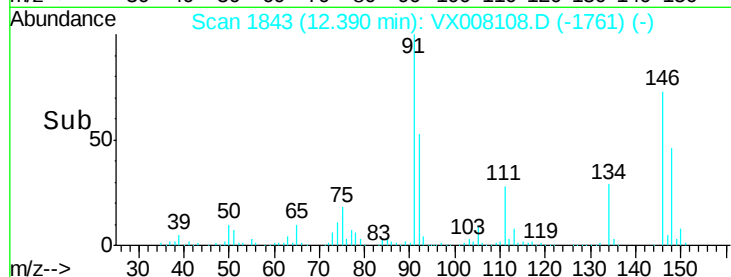
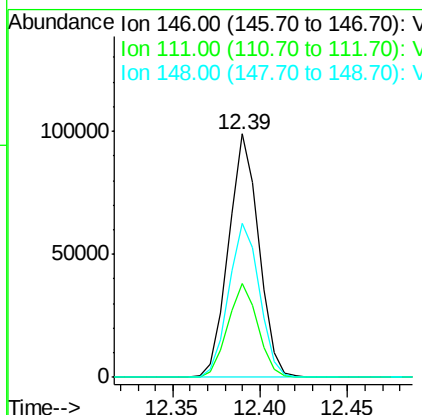
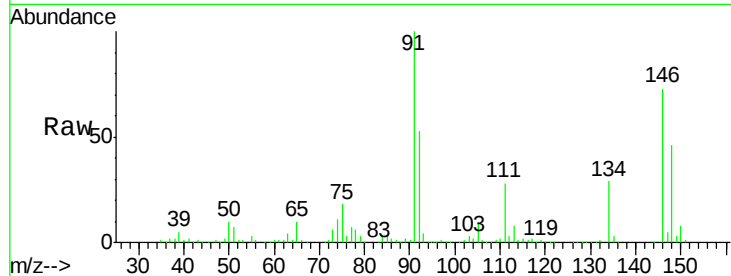
#87
 1,2-Dichlorobenzene
 Concen: 20.722 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119280		
111	38.4	19.3	57.8	
148	64.2	32.1	96.3	

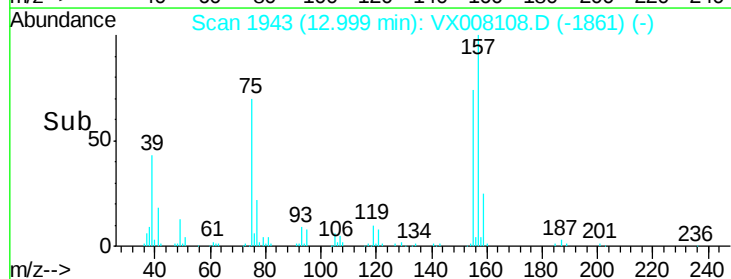
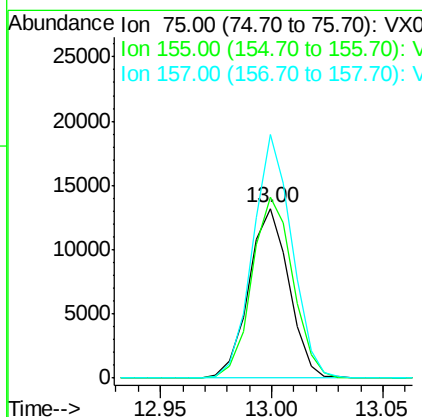
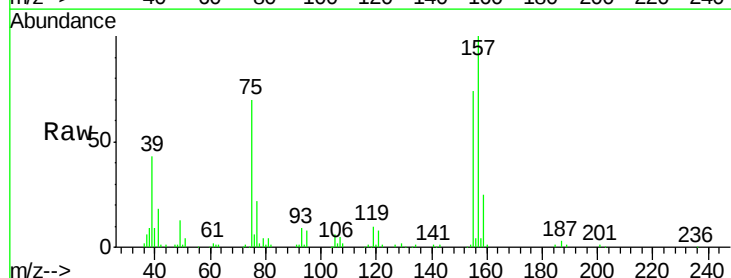
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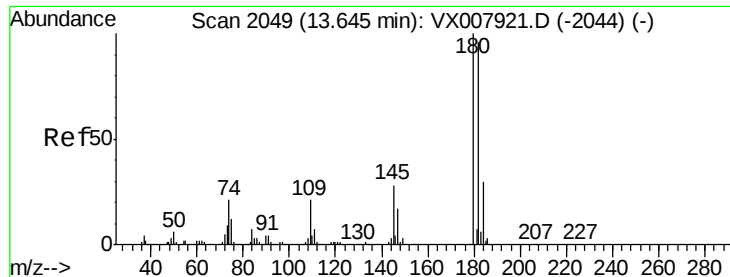
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.983 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16588		
155	108.6	81.0	121.6	
157	139.8	103.2	154.8	





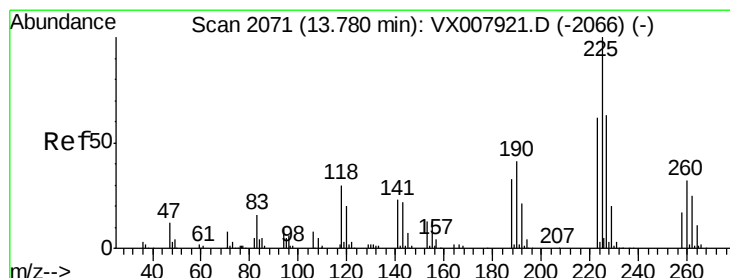
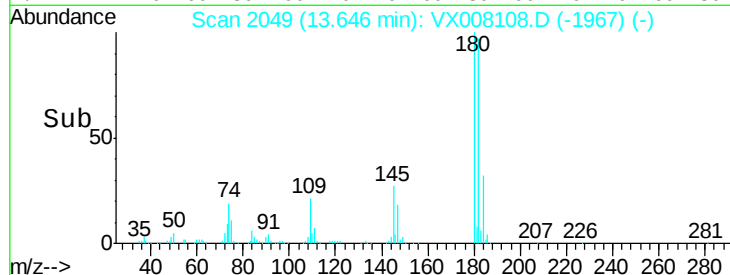
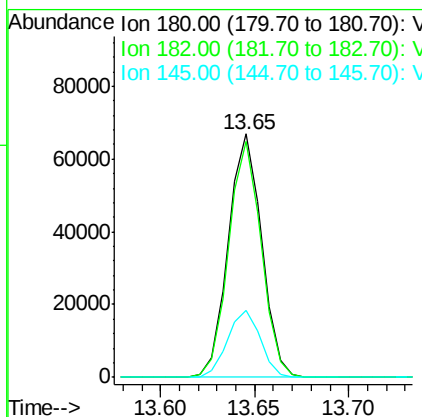
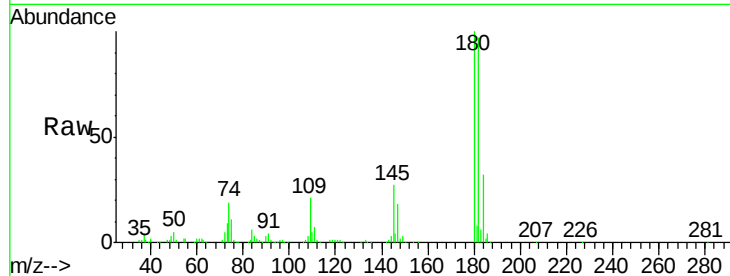
#89
 1,2,4-Trichlorobenzene
 Concen: 19.837 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
145	27.3	23.0	34.6

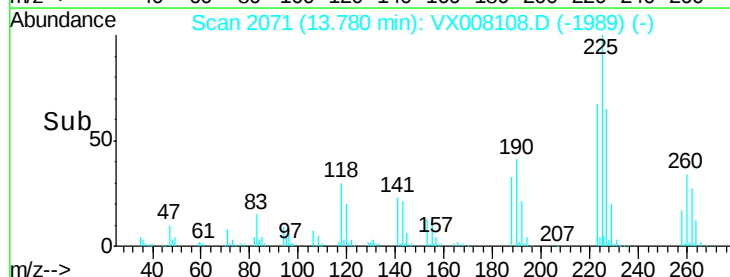
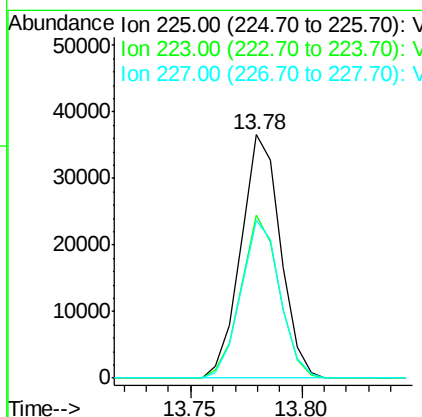
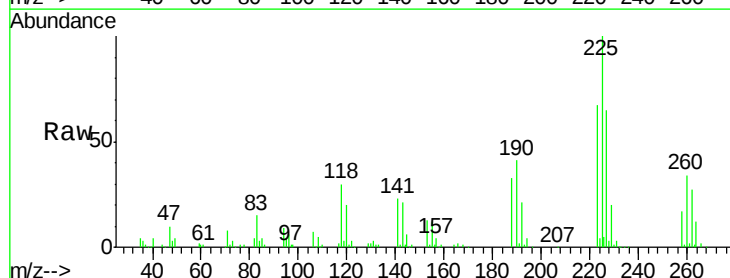
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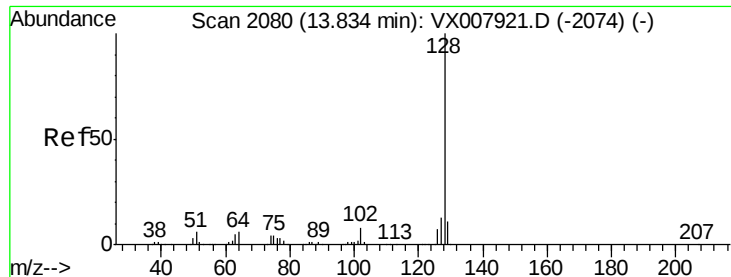
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#90
 Hexachlorobutadiene
 Concen: 19.873 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008108.D
 Acq: 15 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	123.8
227	64.0	0.0	124.4





#91

Naphthalene

Concen: 20.514 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Instrument :

MSVOA_X

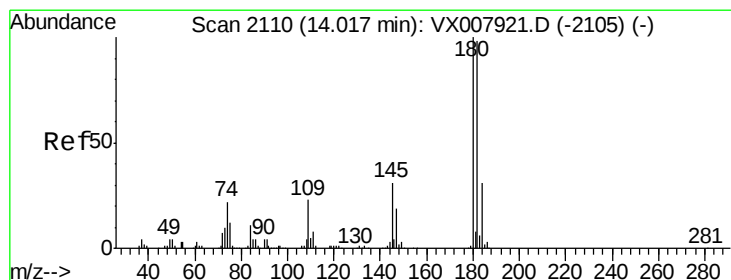
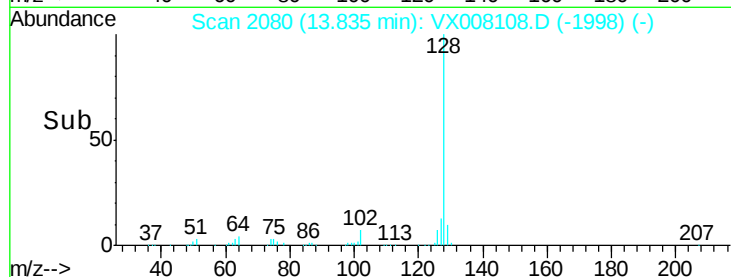
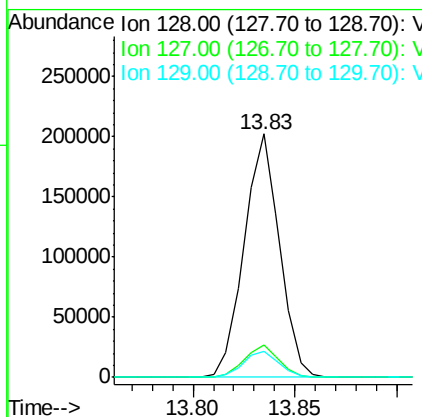
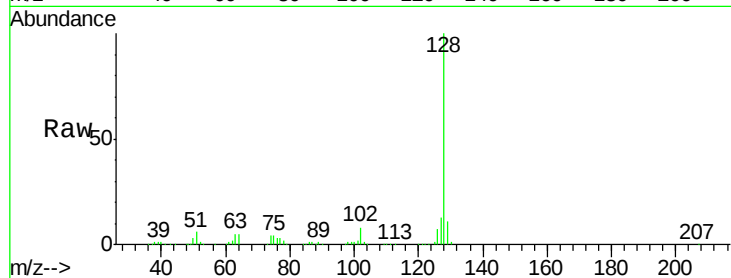
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	243262
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 20.376 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008108.D

Acq: 15 Mar 2019 15:23

Tgt Ion:	180	Resp:	83781
Ion Ratio	Lower	Upper	
180	100		
182	96.2	0.0	193.0
145	29.4	0.0	63.0

