

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008102.D
 Acq On : 15 Mar 2019 12:20
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:32:57 AM

Quant Time: Mar 15 14:36:05 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	43959	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	232951	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205911	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	80124	27.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.43%
60) 4-Bromofluorobenzene	11.13	95	97348	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	8.71	98	278340	29.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	48101	18.432	ug/l 100
3) Chloromethane	1.33	50	43019	14.824	ug/l 98
4) Vinyl Chloride	1.41	62	44542	15.495	ug/l 99
5) Bromomethane	1.64	94	28193	19.673	ug/l 95
6) Chloroethane	1.73	64	27549	16.410	ug/l 96
7) Trichlorofluoromethane	1.93	101	64131	17.916	ug/l 100
8) Diethyl Ether	2.19	74	32723	17.751	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53219	19.775	ug/l 94
10) 1,1-Dichloroethene	2.38	96	48493	19.011	ug/l 96
11) Methyl Iodide	2.51	142	76528	19.165	ug/l 91
12) Methyl Acetate	2.78	43	62106	15.395	ug/l 98
13) Acrolein	2.30	56	36191	76.467	ug/l 96
14) Acrylonitrile	3.15	53	142530	83.229	ug/l 99
15) Acetone	2.45	58	47517	76.853	ug/l 95
16) Carbon Disulfide	2.57	76	137394	17.168	ug/l 100
17) Allyl chloride	2.73	41	81253	15.537	ug/l 94
18) Methylene Chloride	2.86	84	52104	17.930	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	52217	19.347	ug/l 96
20) Diisopropyl ether	3.87	45	165252	17.273	ug/l 92
21) 1,1-Dichloroethane	3.70	63	95738	18.400	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	59770	19.198	ug/l 97
23) tert-Butyl Alcohol	3.07	59	60295	87.273	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	158427	18.064	ug/l 93
25) Chloroform	5.21	83	94197	19.180	ug/l 97
26) Cyclohexane	5.57	56	87215	18.139	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	71451	19.344	ug/l 98
30) 2-Butanone	4.70	43	213578	85.733	ug/l 99
31) 2,2-Dichloropropane	4.59	77	69749	20.445	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	79784	19.976	ug/l 99
33) Carbon Tetrachloride	5.78	117	70807	19.987	ug/l 99
34) Benzene	6.14	78	217508	19.216	ug/l 99
35) Methacrylonitrile	5.06	41	42349	17.445	ug/l 98
36) 1,2-Dichloroethane	6.20	62	70605	19.172	ug/l 98
37) Trichloroethene	7.21	130	63767	20.793	ug/l 97
38) Methylcyclohexane	7.46	83	92998	19.803	ug/l 98
39) 1,2-Dichloropropane	7.52	63	55527	18.810	ug/l 99
40) Dibromomethane	7.66	93	36425	19.453	ug/l 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	66559	18.805	ug/l	96
42) Vinyl Acetate	3.82	43	710674	88.128	ug/l	99
43) Ethyl Acetate	4.85	43	75385m	17.373	ug/l	
44) Isopropyl Acetate	6.46	43	114919	17.357	ug/l	97
45) 1,4-Dioxane	7.75	88	27723	400.212	ug/l	97
46) Methyl methacrylate	7.77	41	59833	17.183	ug/l	93
47) n-amyl Acetate	10.90	43	95849	16.801	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	70882	18.492	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	82164	18.930	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	56121	19.663	ug/l	96
51) Ethyl methacrylate	9.18	69	80403	18.575	ug/l	95
52) 1,3-Dichloropropane	9.37	76	90720	19.237	ug/l	99
53) Dibromochloromethane	9.58	129	57729	19.663	ug/l	100
54) 1,2-Dibromoethane	9.67	107	59668	19.997	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	177825	88.329	ug/l	100
56) Bromoform	10.85	173	45603	19.474	ug/l #	96
58) 4-Methyl-2-Pentanone	8.65	43	382462	90.216	ug/l	97
59) 2-Hexanone	9.49	43	297220	88.816	ug/l	96
61) Tetrachloroethene	9.34	164	68046	22.654	ug/l	95
62) Toluene	8.78	91	234889	19.536	ug/l	99
64) Chlorobenzene	10.14	112	154465	20.157	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	56377	20.548	ug/l	99
66) Ethyl Benzene	10.25	91	253791	19.651	ug/l	97
67) m/p-Xylenes	10.36	106	199348	40.255	ug/l	99
68) o-Xylene	10.69	106	96218	20.009	ug/l	100
69) Styrene	10.71	104	156317	19.729	ug/l	99
70) Isopropylbenzene	11.02	105	262445	20.425	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	81694	19.251	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	79689m	19.922	ug/l	
73) Bromobenzene	11.26	156	71542	20.943	ug/l	99
74) n-propylbenzene	11.36	91	287662	19.847	ug/l	100
75) 2-Chlorotoluene	11.42	91	172965	19.910	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	220208	20.679	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	22997	18.607	ug/l	93
78) 4-Chlorotoluene	11.51	91	195982	19.953	ug/l	99
79) tert-butylbenzene	12.06	119	239871	20.990	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	224397	20.762	ug/l	98
81) sec-Butylbenzene	11.94	105	259910	20.305	ug/l	100
82) p-Isopropyltoluene	12.06	119	239871	20.990	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	128742	21.168	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	125826	20.678	ug/l	98
85) n-Butylbenzene	12.39	91	192457	19.692	ug/l	99
86) Hexachloroethane	12.60	117	36707	19.714	ug/l	76
87) 1,2-Dichlorobenzene	12.39	146	125634	20.902	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15940	18.389	ug/l	87
89) 1,2,4-Trichlorobenzene	13.65	180	90421	20.932	ug/l	99
90) Hexachlorobutadiene	13.78	225	50715	21.287	ug/l	98
91) Naphthalene	13.83	128	252330	20.378	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	91577	21.328	ug/l	98

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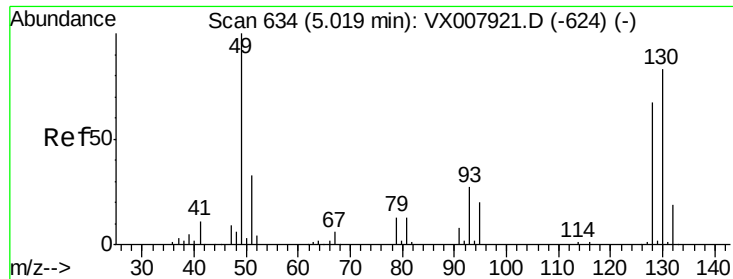
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

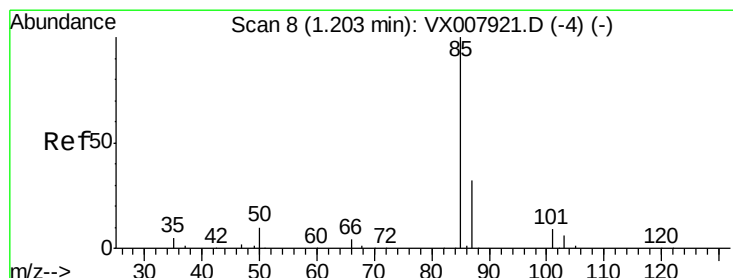
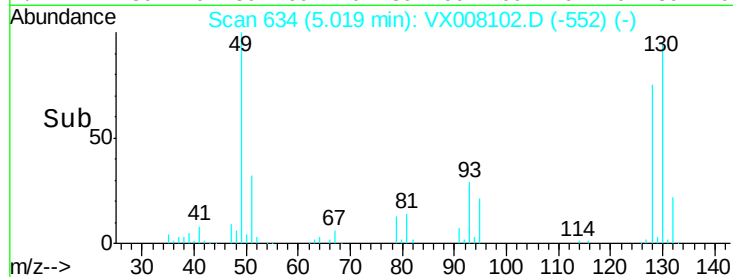
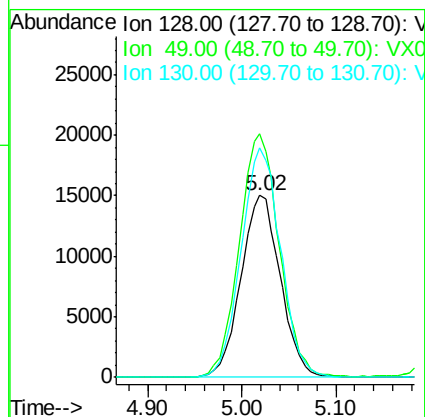
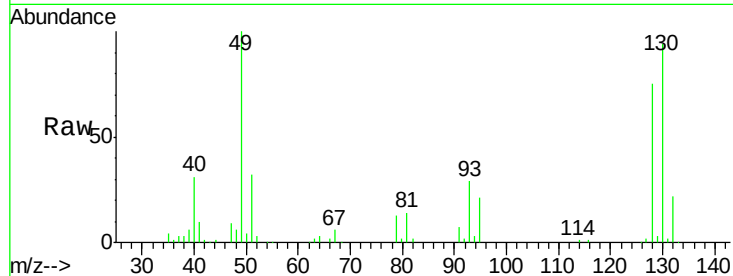
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	43959
Ion	Ratio	Lower	Upper
128	100		
49	136.1	0.0	350.8
130	126.7	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 18.432 ug/l

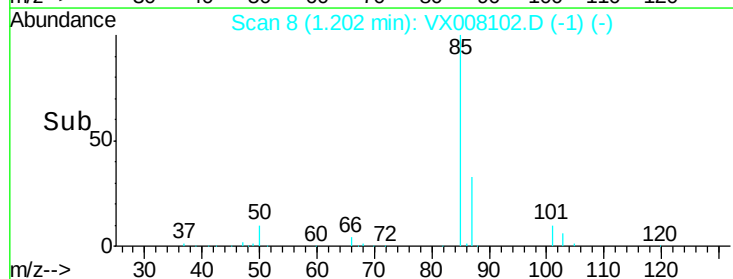
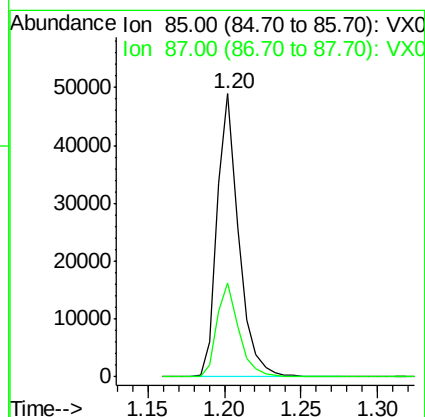
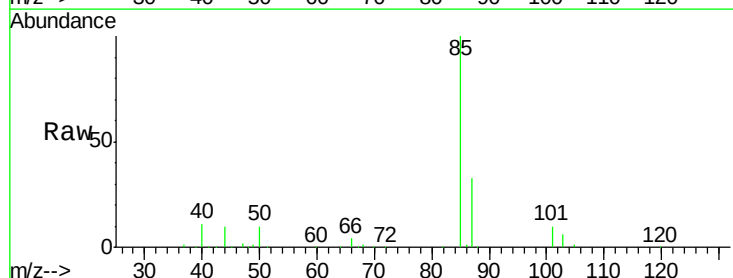
RT: 1.20 min Scan# 8

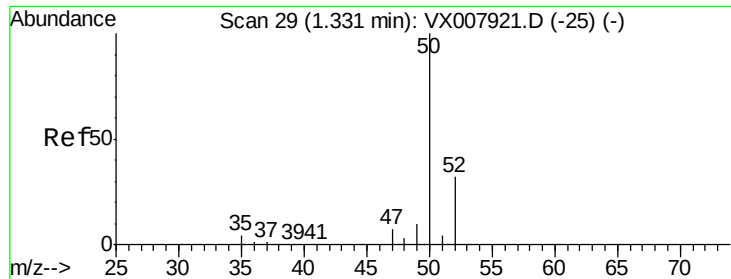
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	85	Resp:	48101
Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8





#3

Chloromethane

Concen: 14.824 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 43019

Ion Ratio Lower Upper

50 100

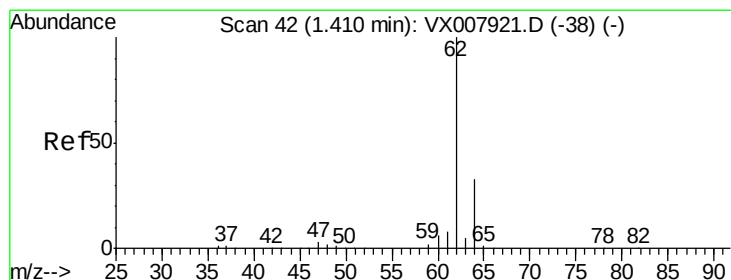
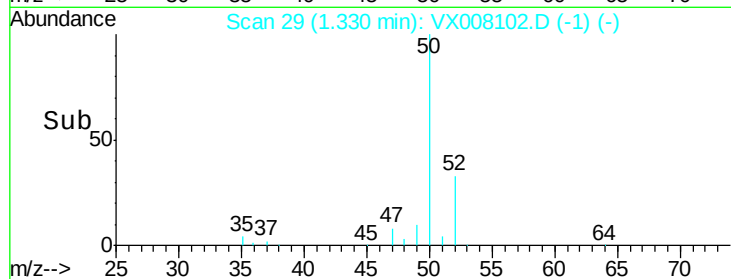
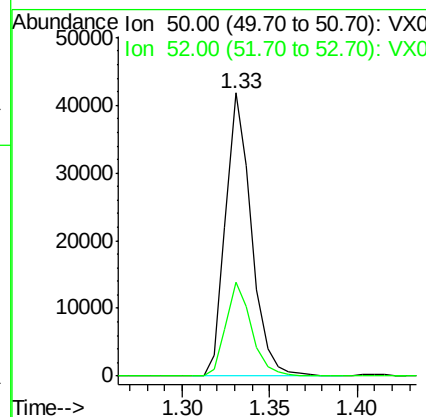
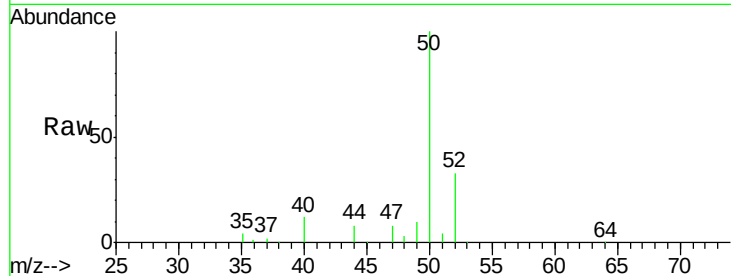
52 33.2 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.495 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008102.D

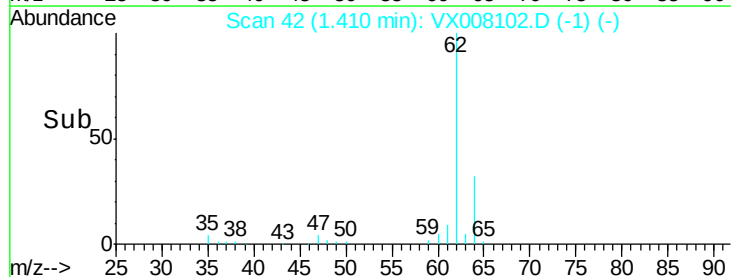
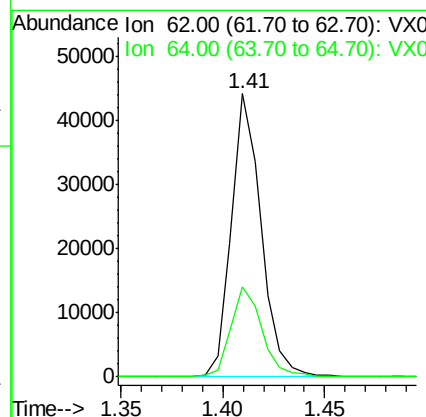
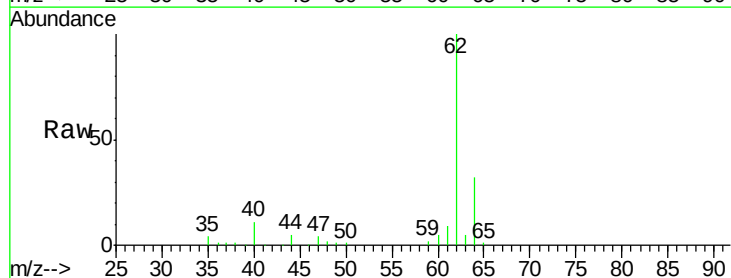
Acq: 15 Mar 2019 12:20

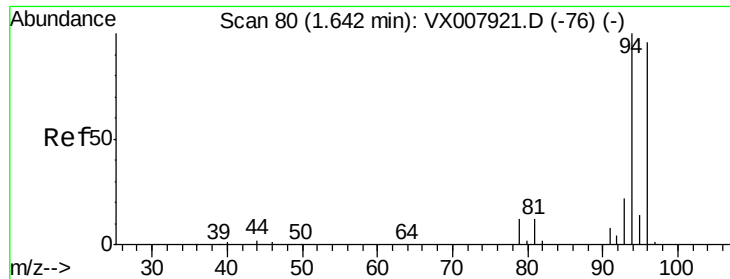
Tgt Ion: 62 Resp: 44542

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 19.673 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 28193

Ion Ratio Lower Upper

94 100

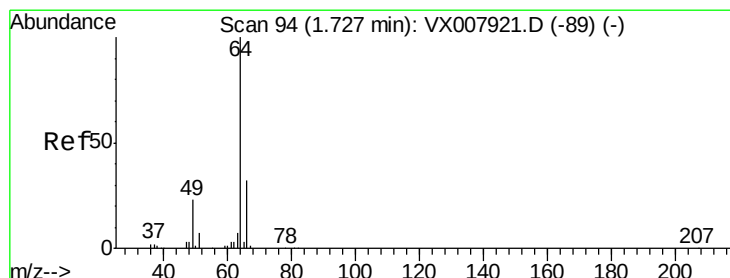
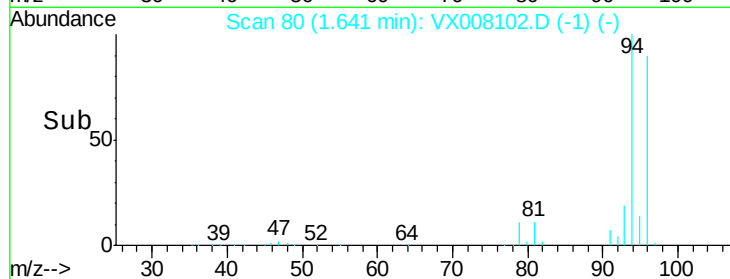
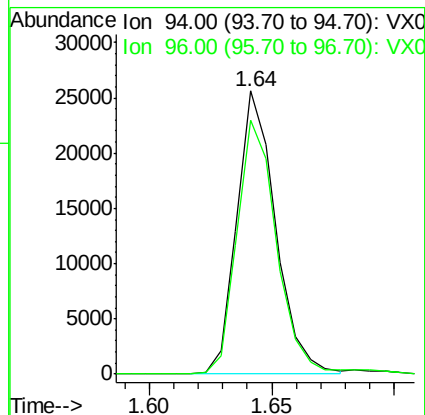
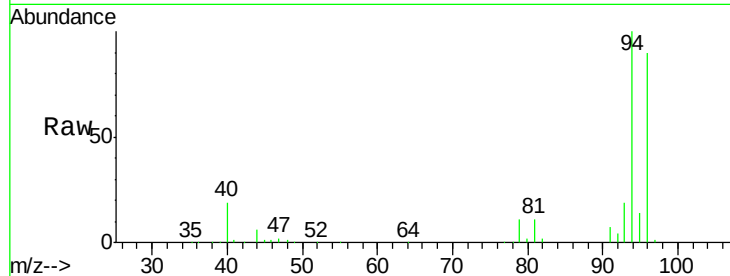
96 89.6 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 16.410 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX008102.D

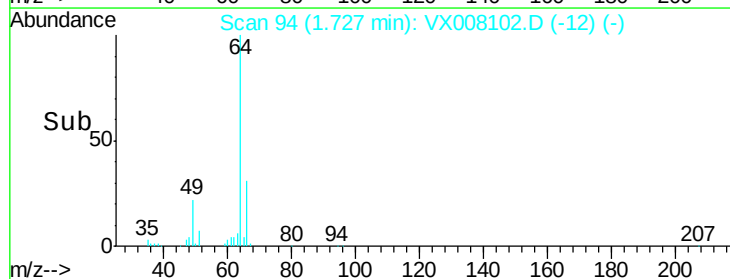
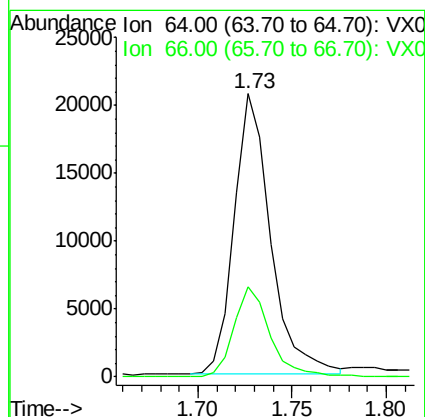
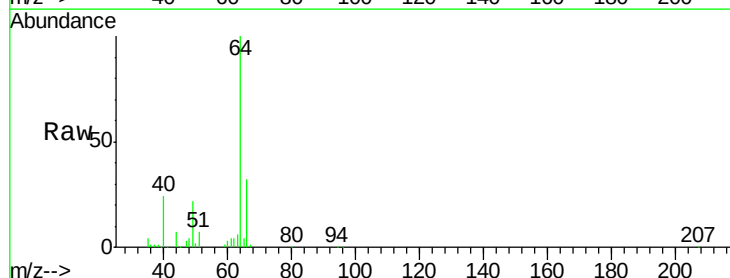
Acq: 15 Mar 2019 12:20

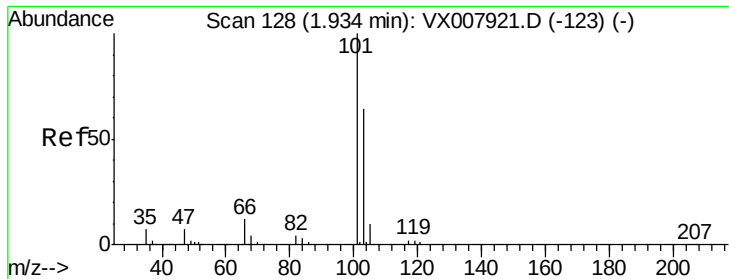
Tgt Ion: 64 Resp: 27549

Ion Ratio Lower Upper

64 100

66 32.2 23.9 35.9





#7

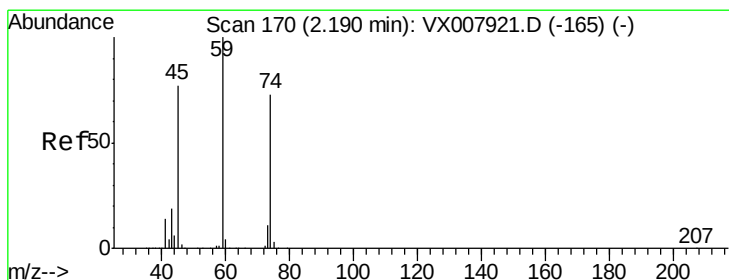
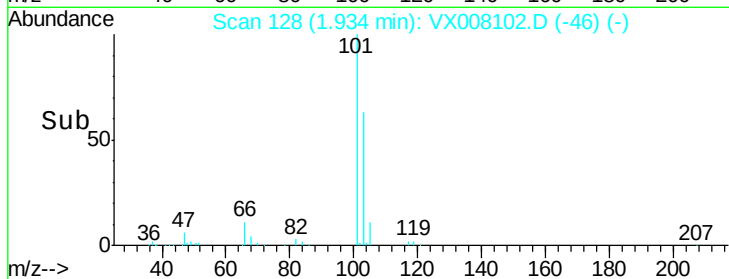
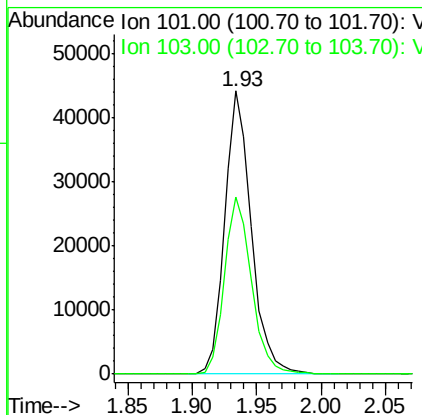
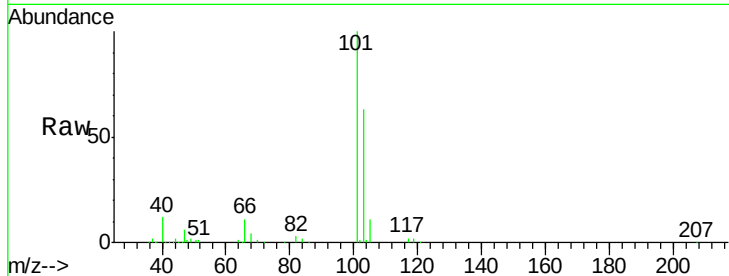
Trichlorofluoromethane
 Concen: 17.916 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VX008102.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.4	75.6

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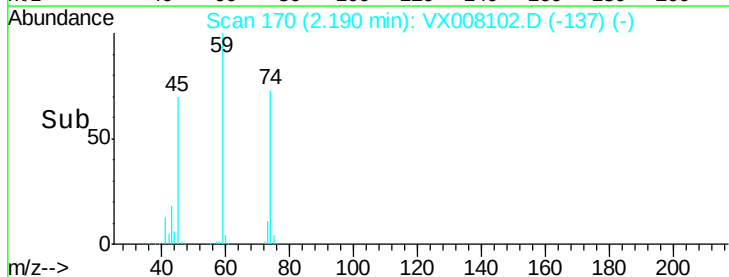
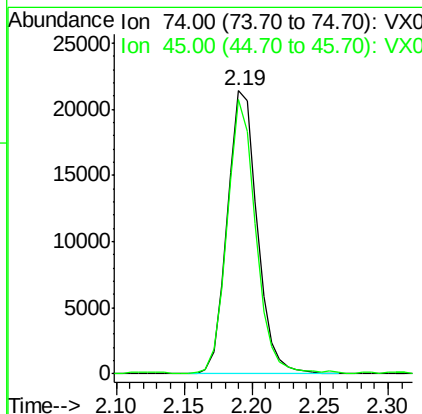
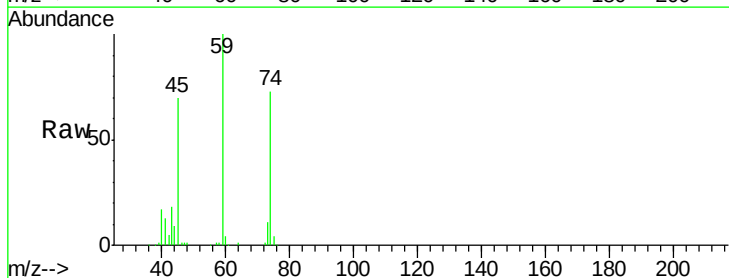
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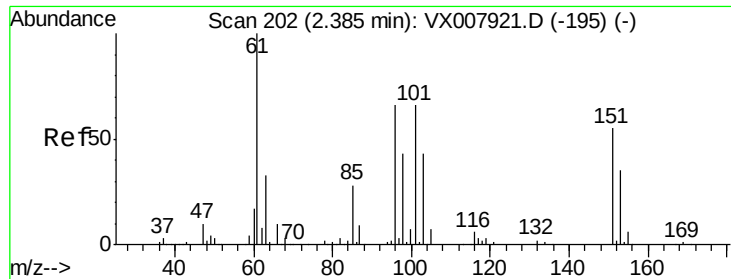


#8

Diethyl Ether
 Concen: 17.751 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.775 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

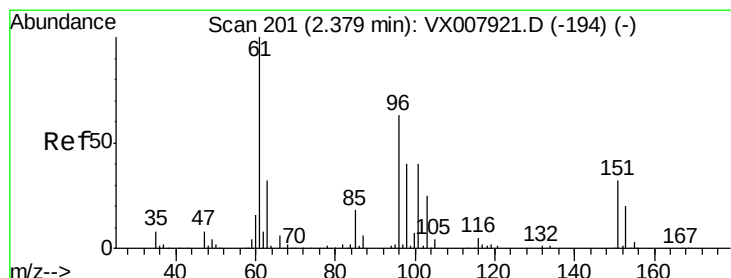
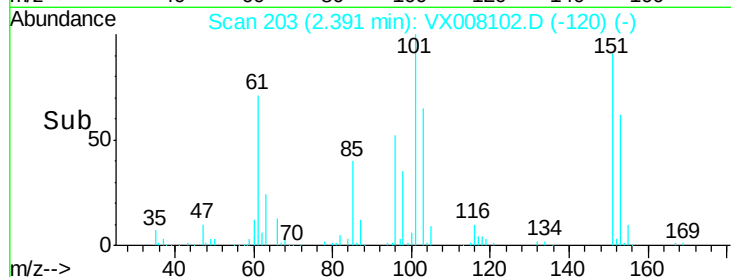
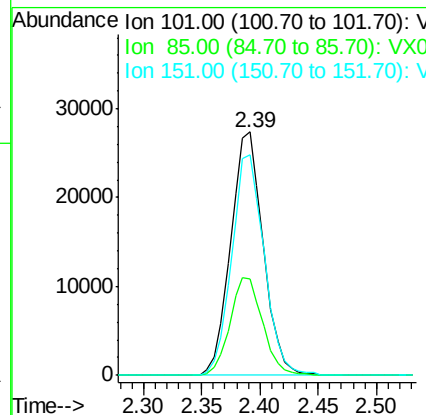
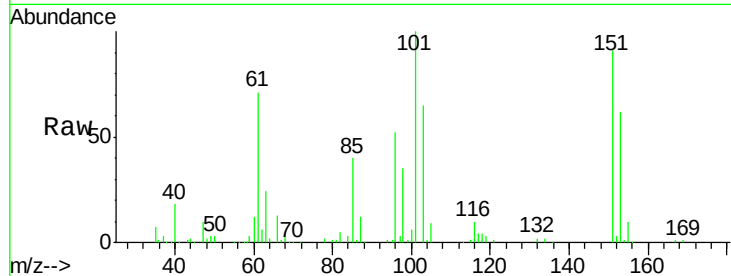
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	53219
Ion Ratio	Lower	Upper	
101	100		
85	40.3	0.0	86.8
151	90.7	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 19.011 ug/l

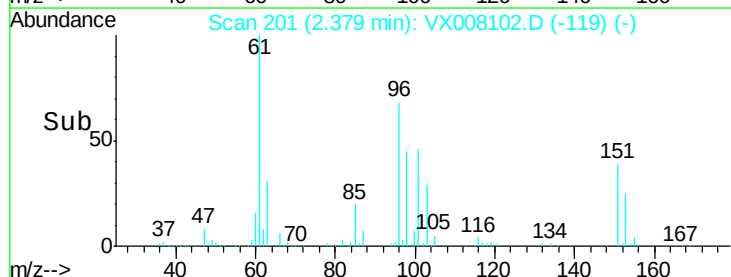
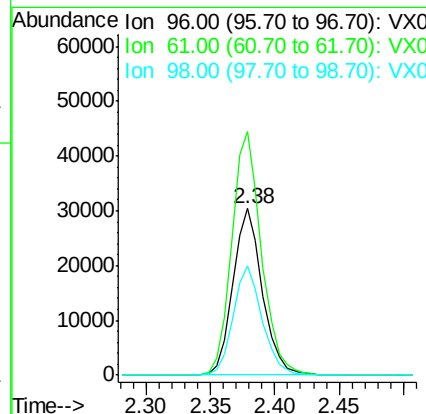
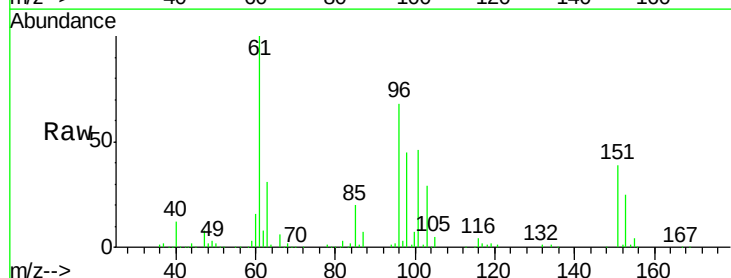
RT: 2.38 min Scan# 201

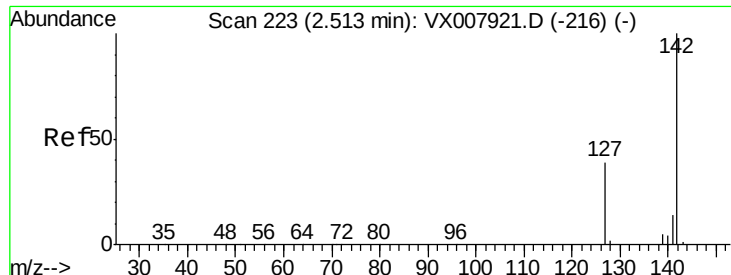
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	96	Resp:	48493
Ion Ratio	Lower	Upper	
96	100		
61	146.0	120.2	180.2
98	65.6	49.0	73.4





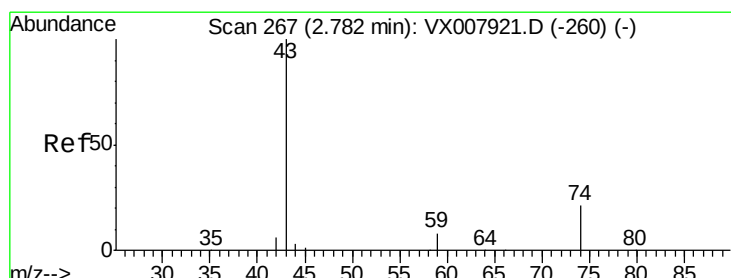
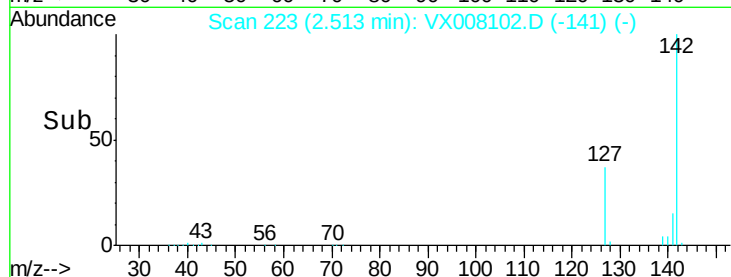
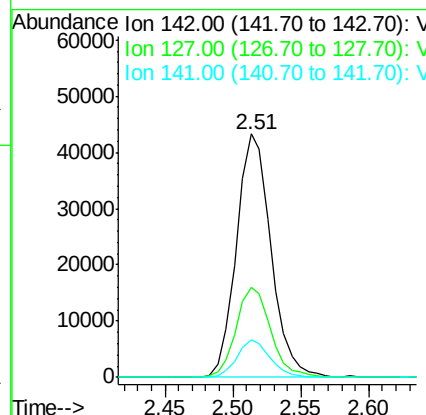
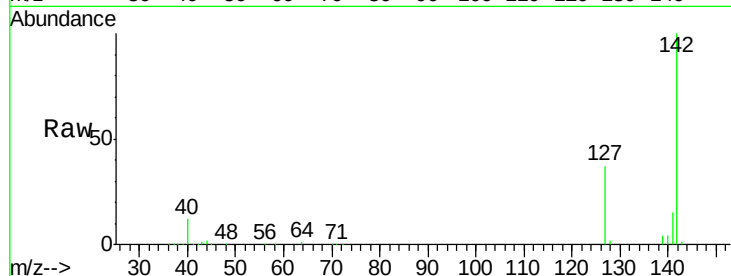
#11
Methvl Iodide
Concen: 19.165 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.7	22.1	66.5
141	15.3	7.4	22.3

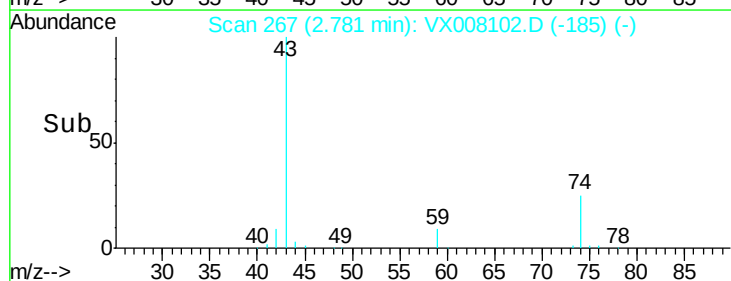
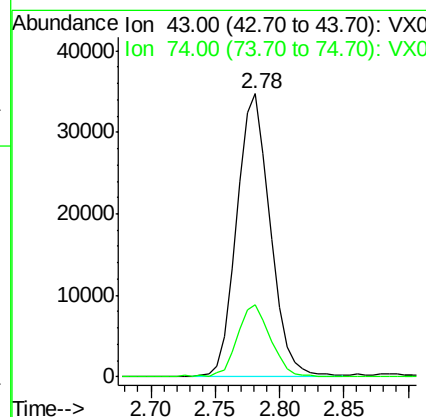
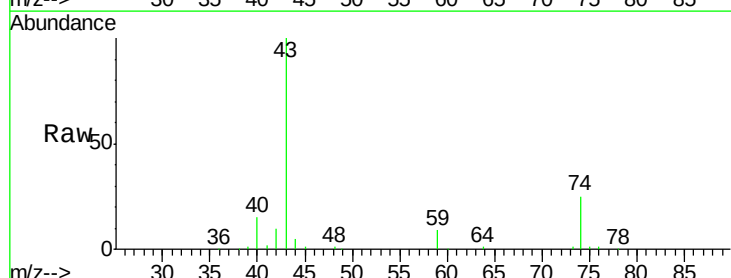
Manual Integrations
APPROVED

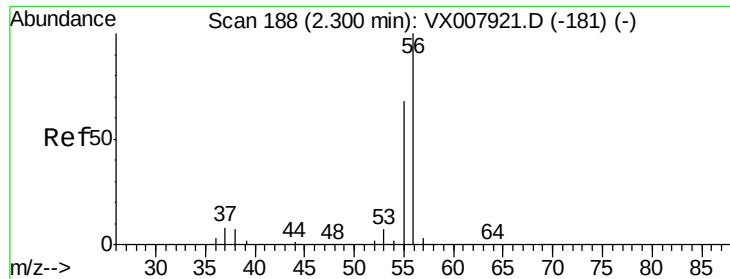
MMDadoda
3/16/2019 10:32:57 AM



#12
Methyl Acetate
Concen: 15.395 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.0





#13

Acrolein

Concen: 76.467 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 36191

Ion Ratio Lower Upper

56 100

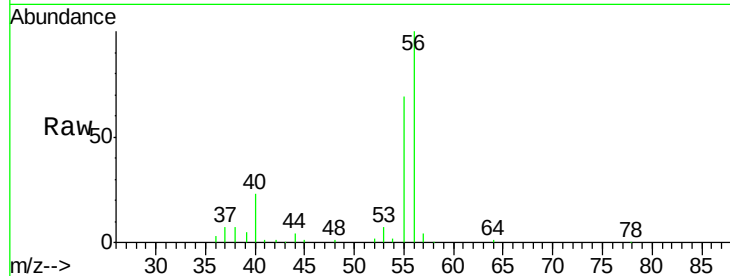
55 69.6 58.6 87.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

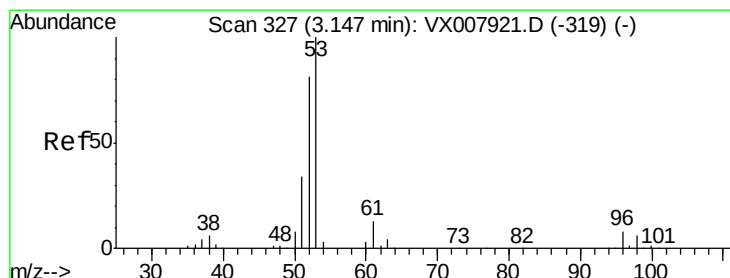
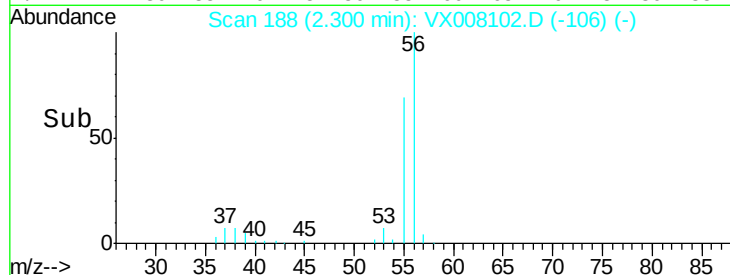
5000

0

Time-->

2.25 2.30 2.35

2.30



#14

Acrylonitrile

Concen: 83.229 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

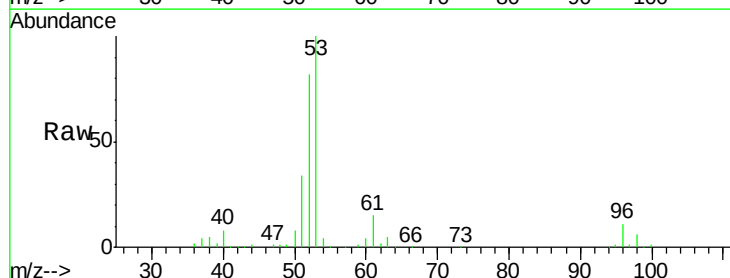
Tgt Ion: 53 Resp: 142530

Ion Ratio Lower Upper

53 100

52 83.2 41.3 124.1

51 35.5 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

80000

60000

40000

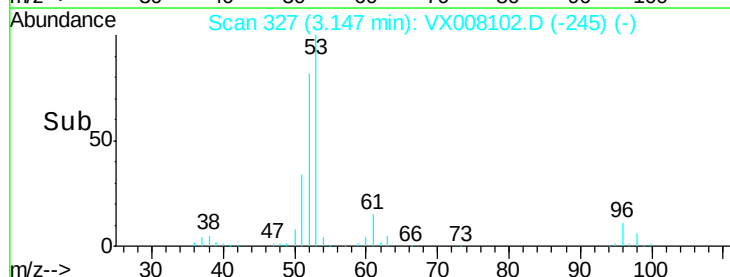
20000

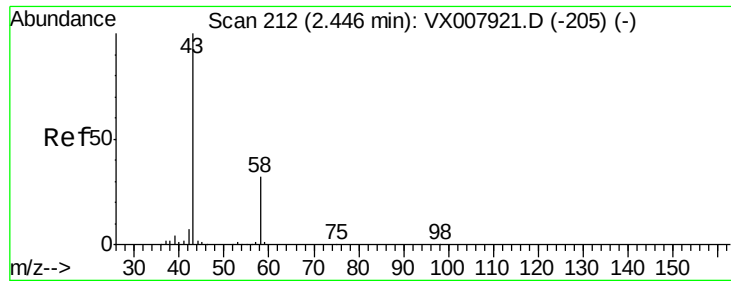
0

Time-->

3.10 3.15 3.20

3.15





#15

Acetone

Concen: 76.853 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 47517

Ion Ratio Lower Upper

58 100

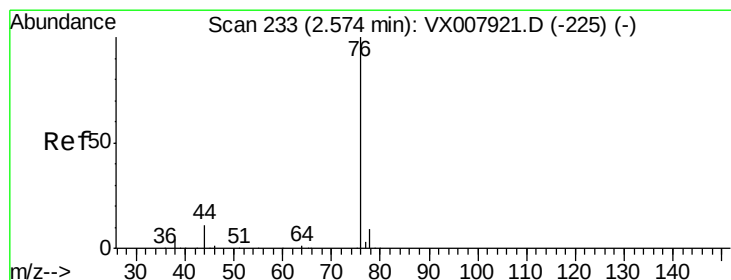
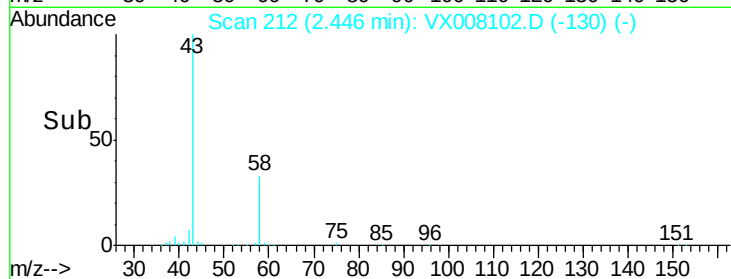
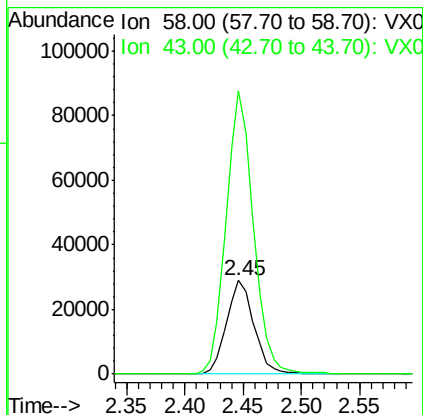
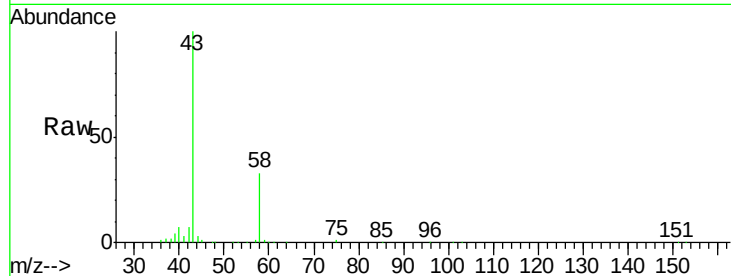
43 301.8 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.168 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008102.D

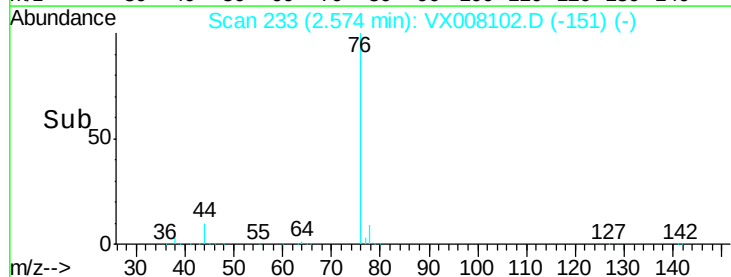
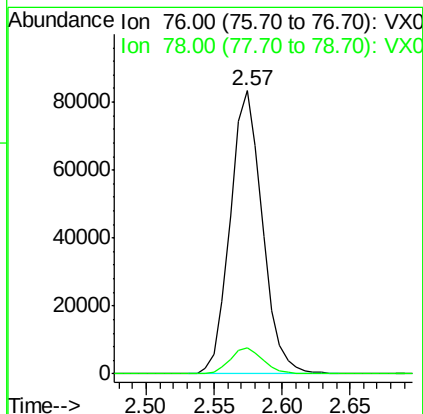
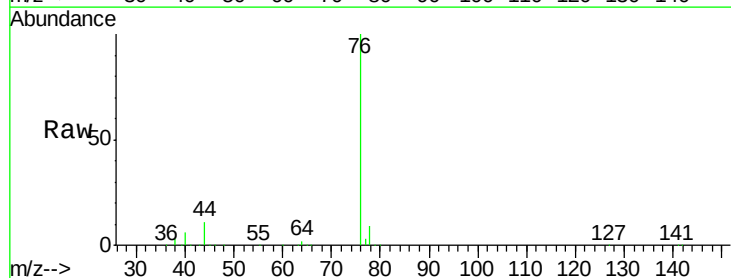
Acq: 15 Mar 2019 12:20

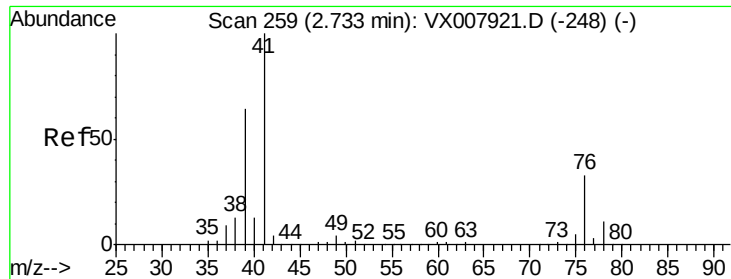
Tgt Ion: 76 Resp: 137394

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





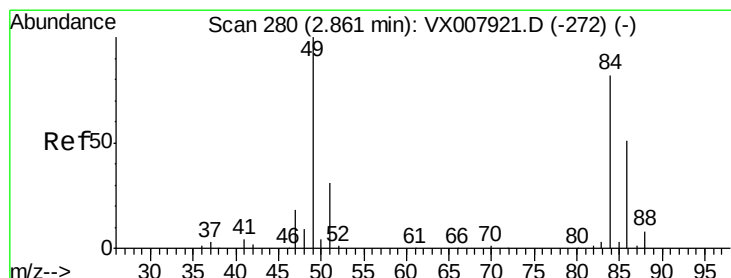
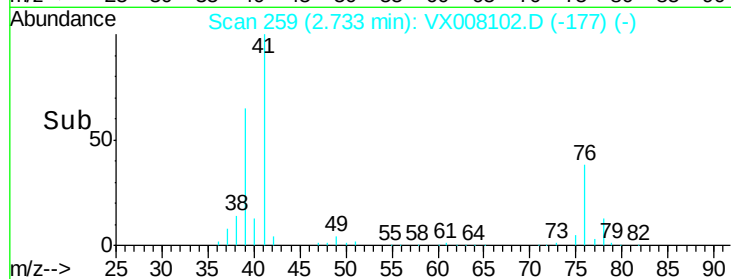
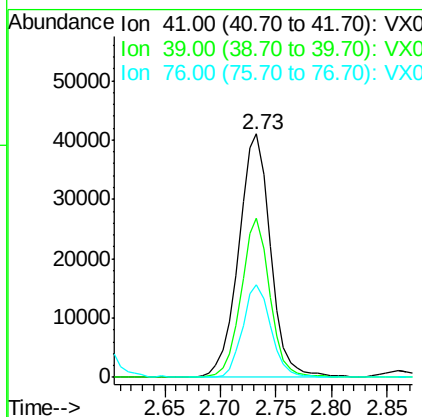
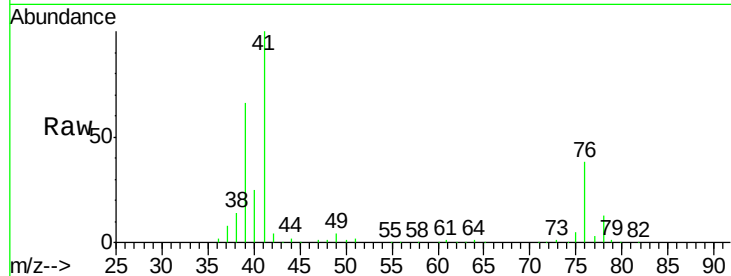
#17
Allvl chloride
Concen: 15.537 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	35.8	107.4
76	38.1	18.3	54.9

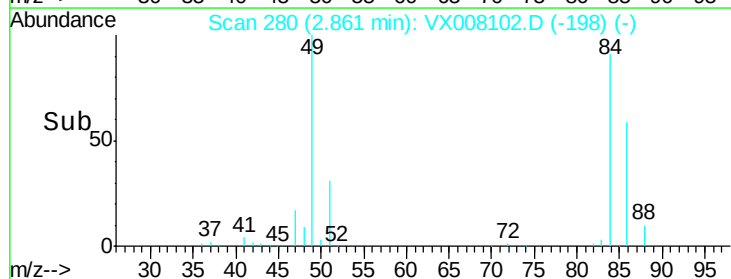
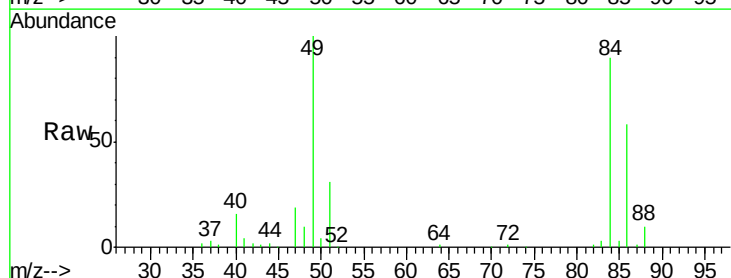
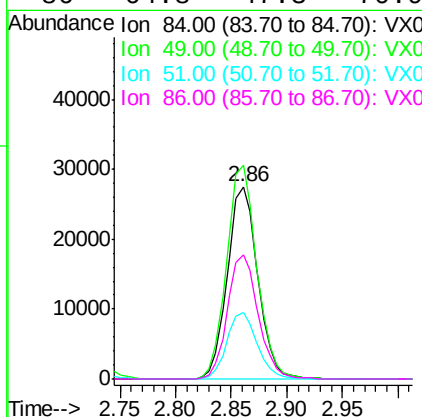
Manual Integrations
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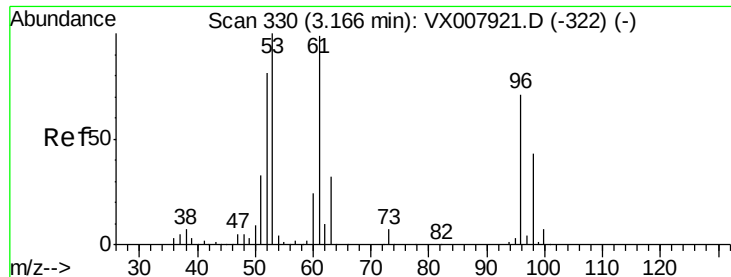
MMDadoda
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#18
Methylene Chloride
Concen: 17.930 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	96.1	144.1
51	34.2	29.1	43.7
86	64.8	47.3	70.9





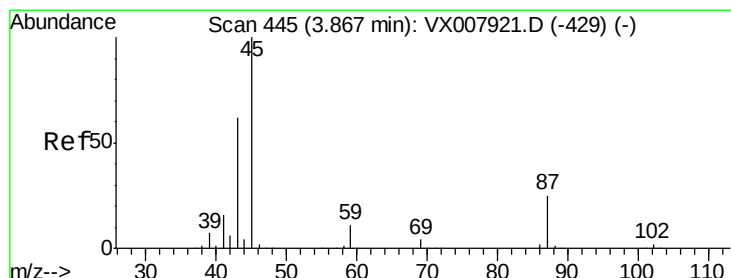
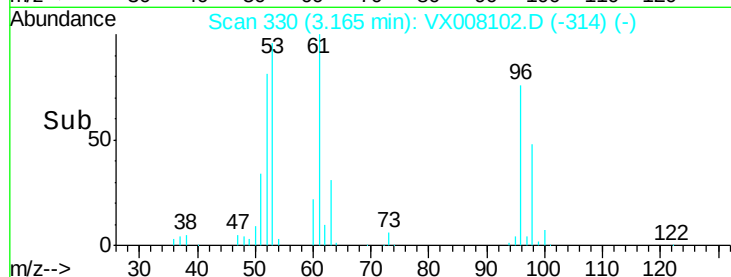
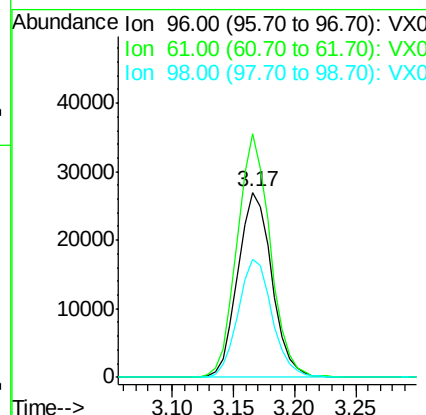
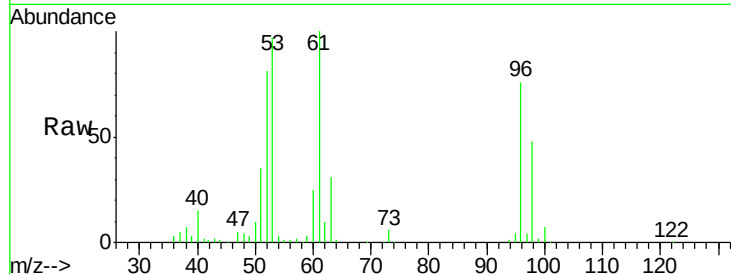
#19
trans-1,2-Dichloroethene
Concen: 19.347 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.4	109.9	164.9
98	63.5	50.4	75.6

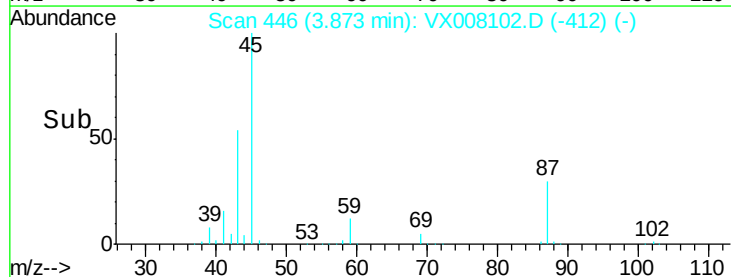
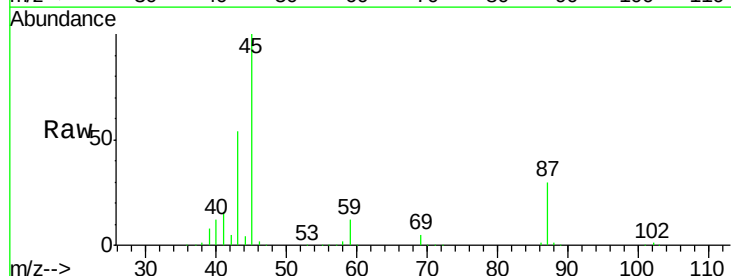
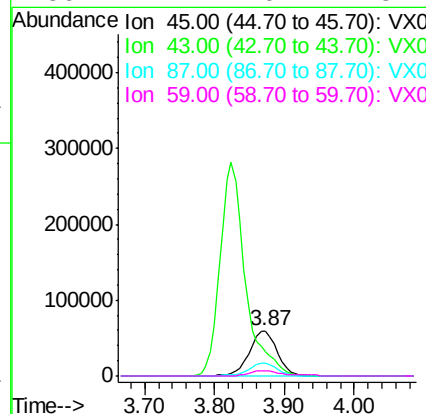
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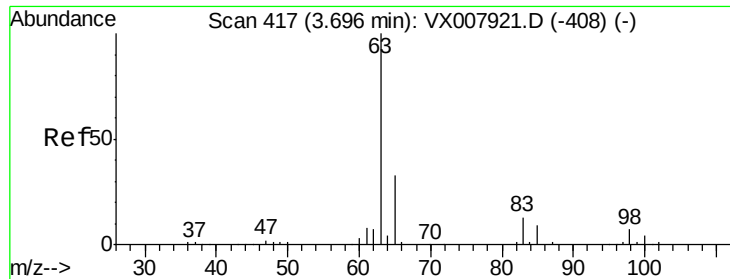
MMDadoda
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#20
Diisopropyl ether
Concen: 17.273 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	50.6	76.0
87	29.5	24.5	36.7
59	12.4	10.2	15.2





#21

1,1-Dichloroethane

Concen: 18.400 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

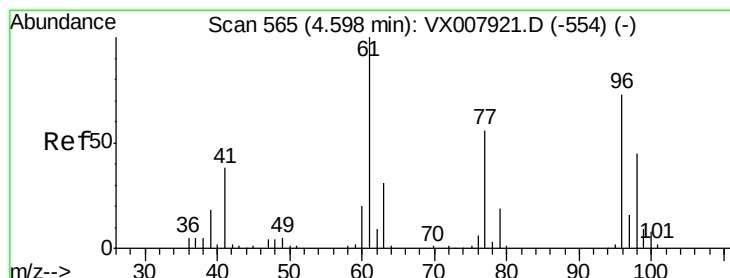
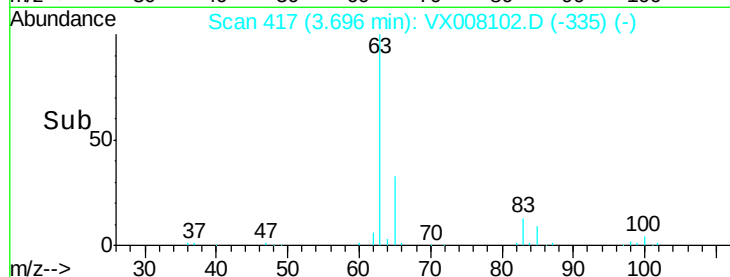
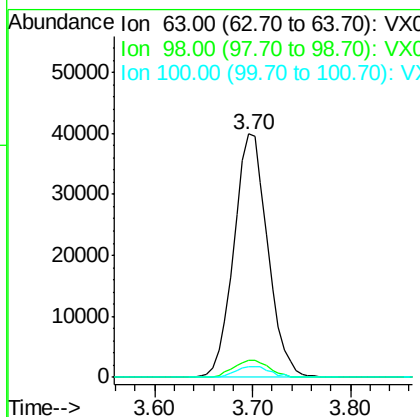
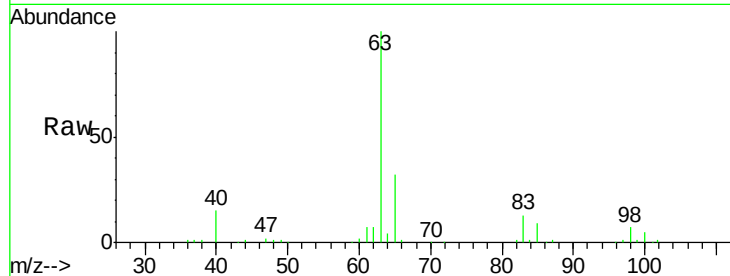
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	95738
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.4
100	4.5	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.198 ug/l

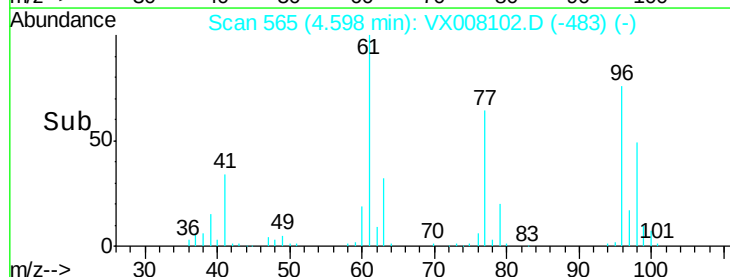
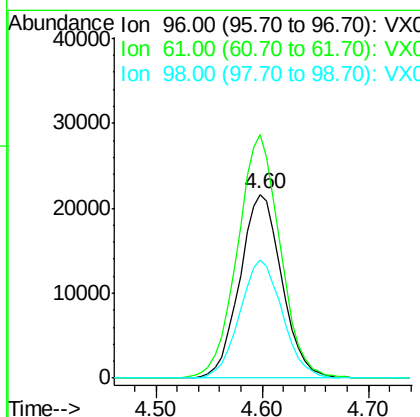
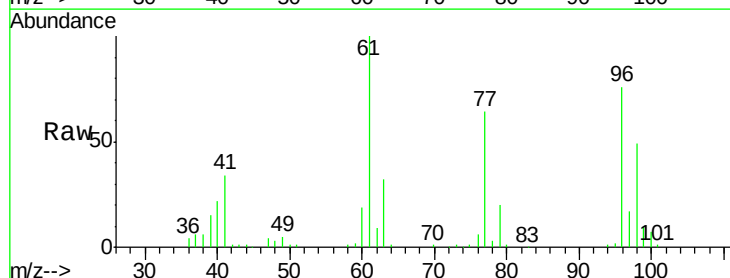
RT: 4.60 min Scan# 565

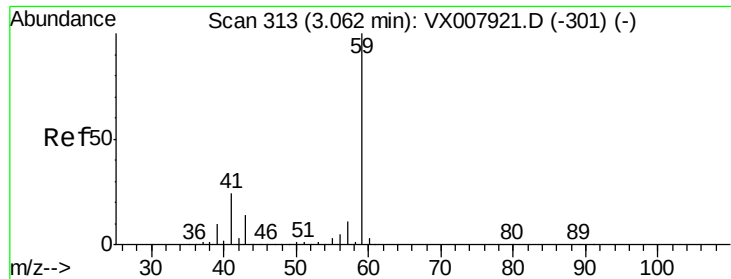
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	96	Resp:	59770
Ion	Ratio	Lower	Upper
96	100		
61	134.8	103.5	155.3
98	65.2	52.1	78.1





#23

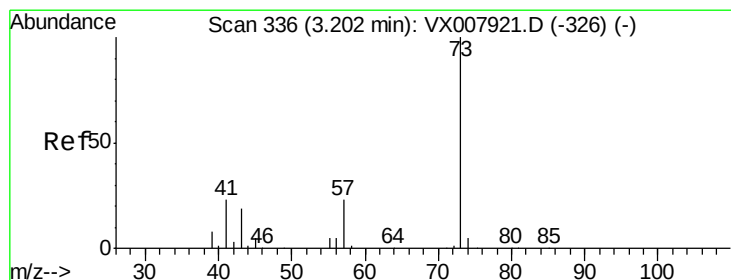
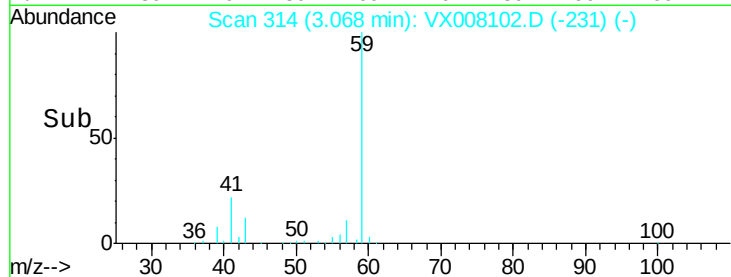
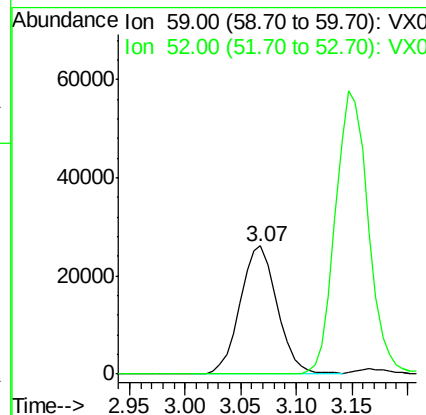
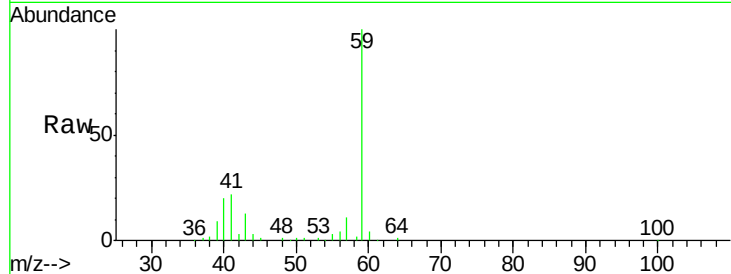
tert-Butyl Alcohol
Concen: 87.273 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.01 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 60295
Ion Ratio Lower Upper
59 100
52 0.1 0.2 0.2#

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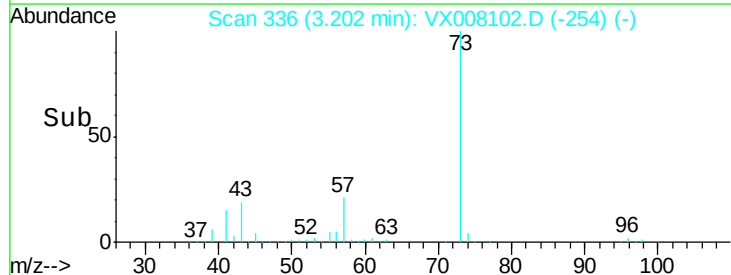
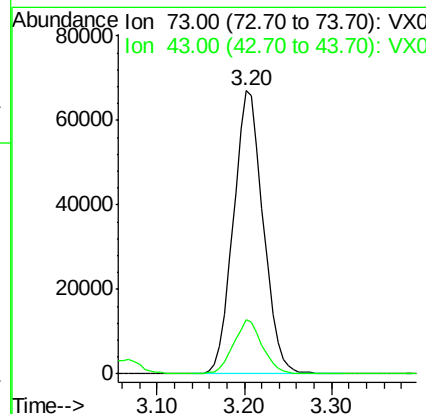
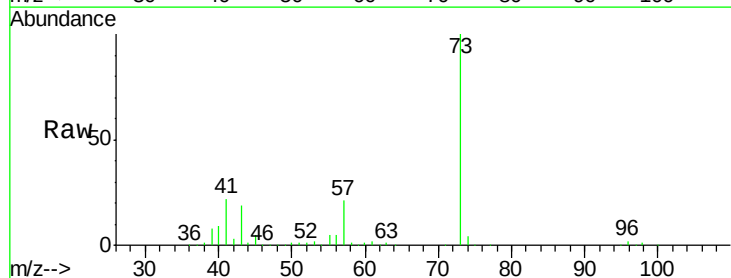
MMDadoda
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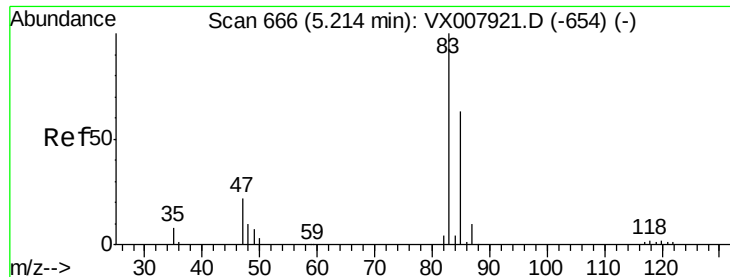


#24

Methyl tert-Butyl Ether
Concen: 18.064 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion: 73 Resp: 158427
Ion Ratio Lower Upper
73 100
43 18.3 17.1 25.7





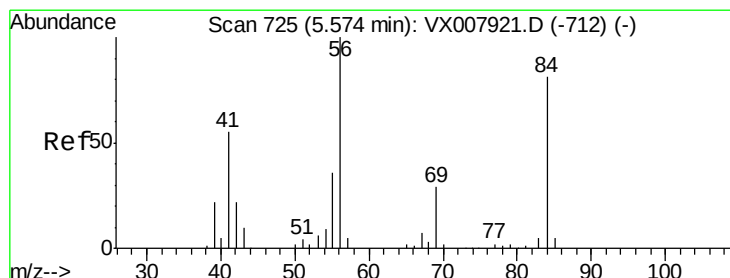
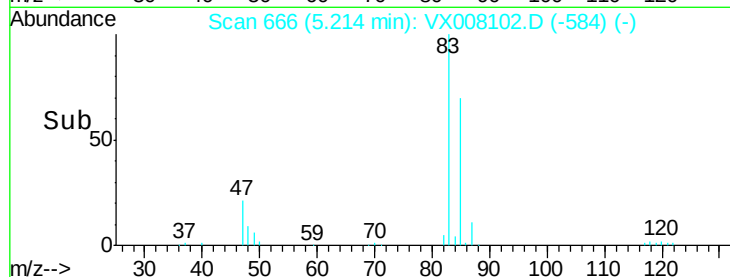
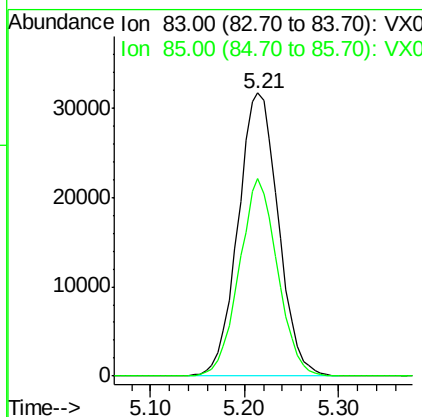
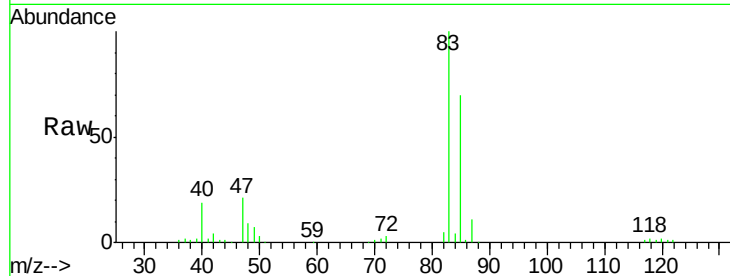
#25
Chloroform
Concen: 19.180 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 94197
Ion Ratio Lower Upper
83 100
85 69.7 53.8 80.6

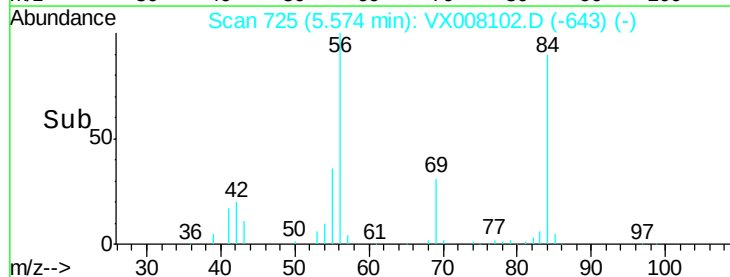
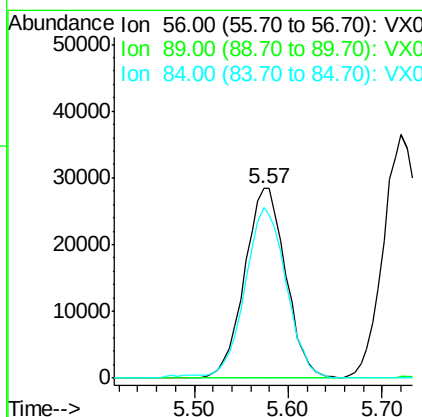
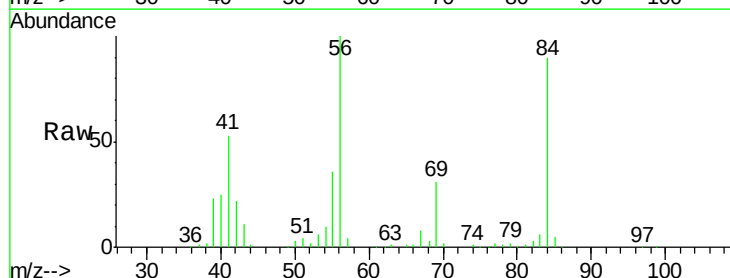
Manual Integrations
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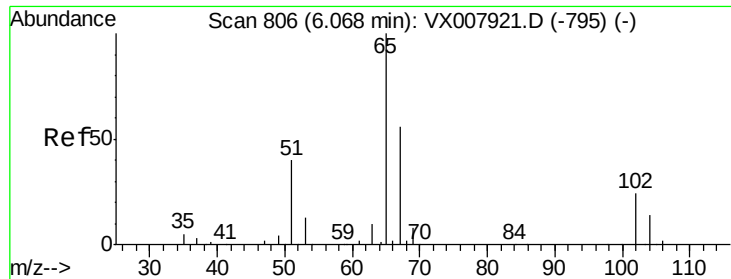
MMDadoda
3/16/2019 10:32:57 AM



#26
Cyclohexane
Concen: 18.139 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion: 56 Resp: 87215
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.6 73.9 110.9





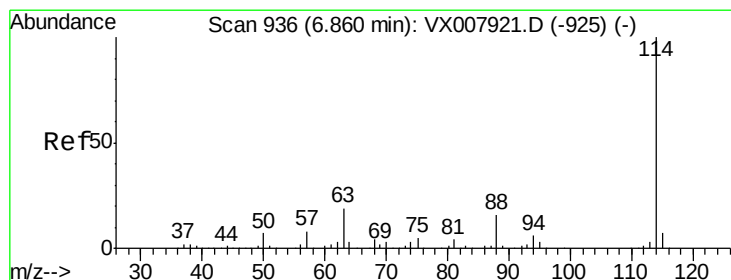
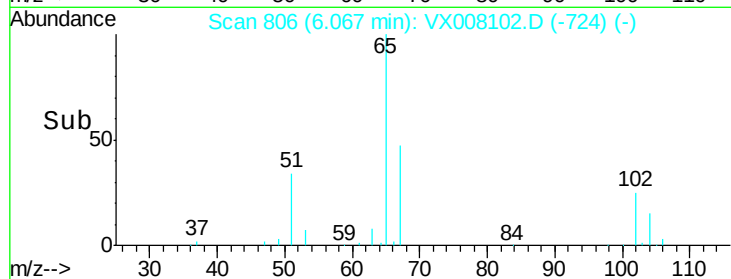
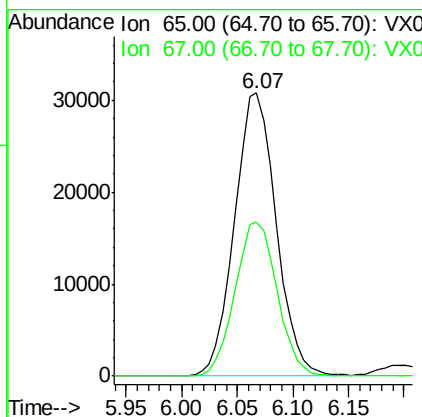
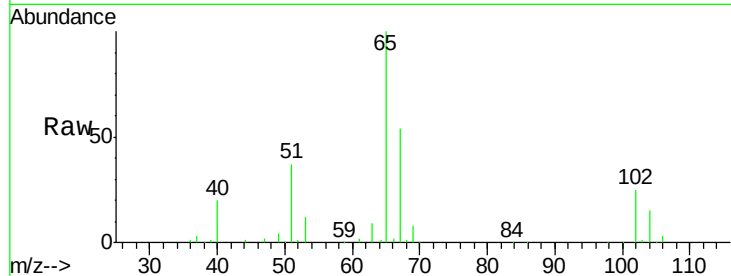
#27
 1,2-Dichloroethane-d4
 Concen: 27.730 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	42.9	64.3

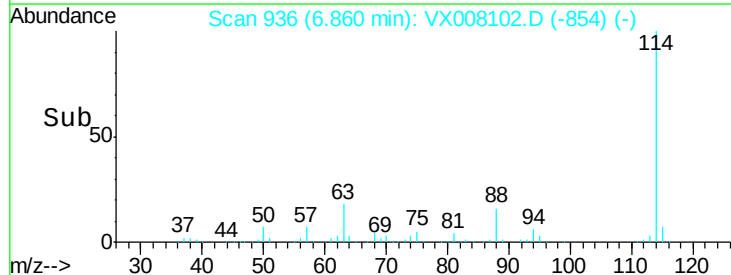
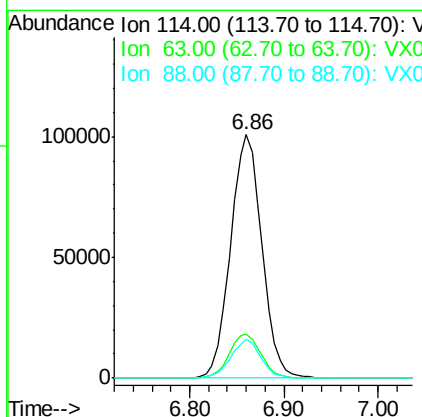
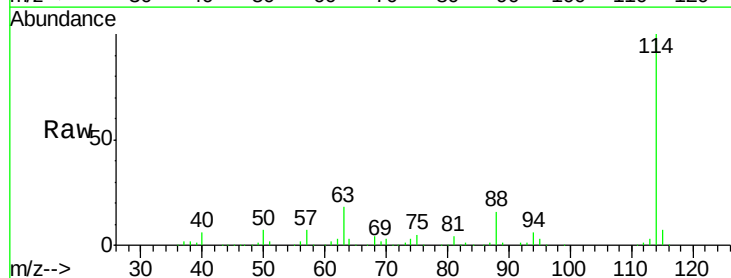
Manual Integrations
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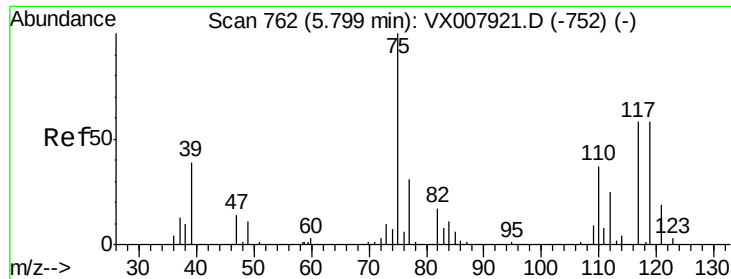
MMDadoda
 3/16/2019 10:32:57 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.2	21.4
88	15.2	11.9	17.9





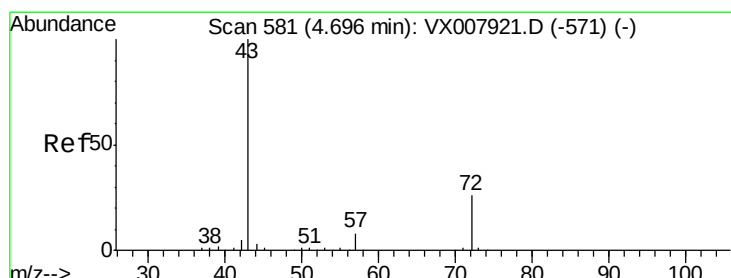
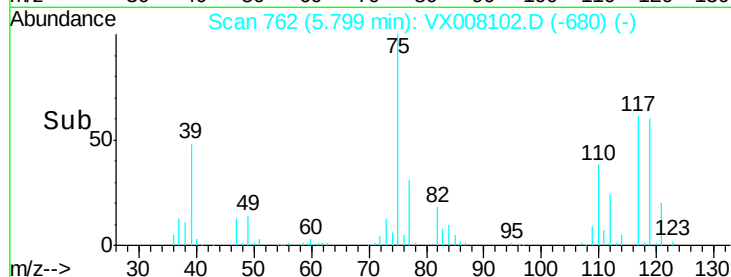
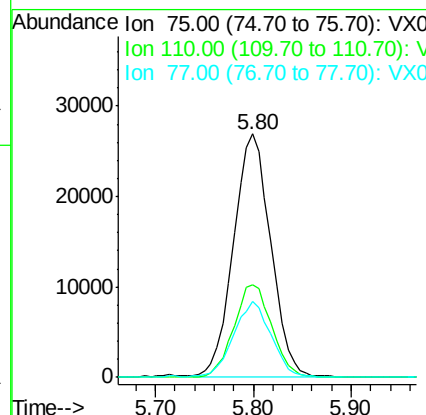
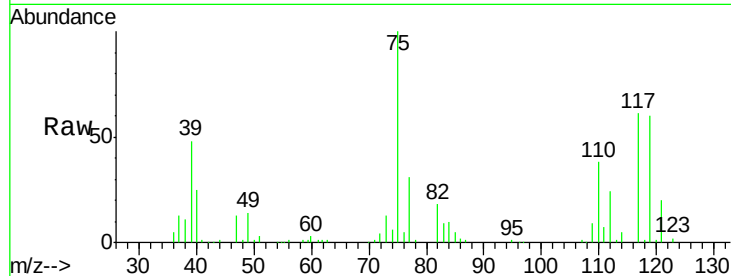
#29
 1,1-Dichloropropene
 Concen: 19.344 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.6	0.0	80.8
77	31.3	0.0	62.4

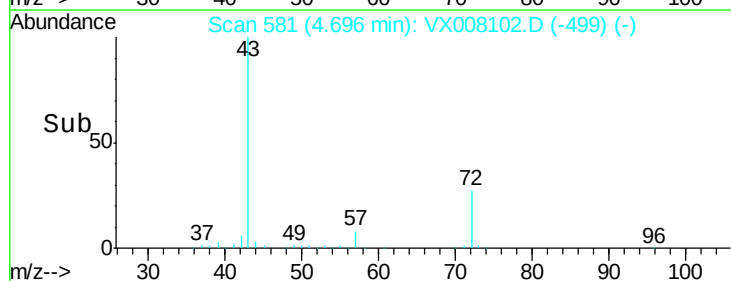
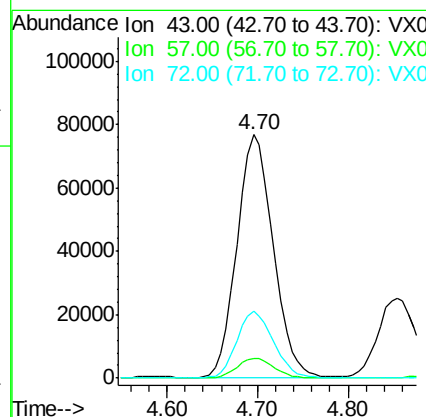
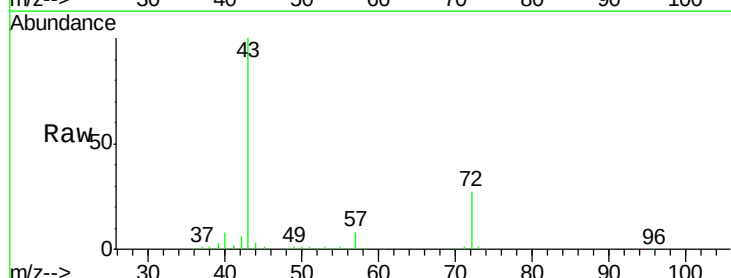
Manual Integrations
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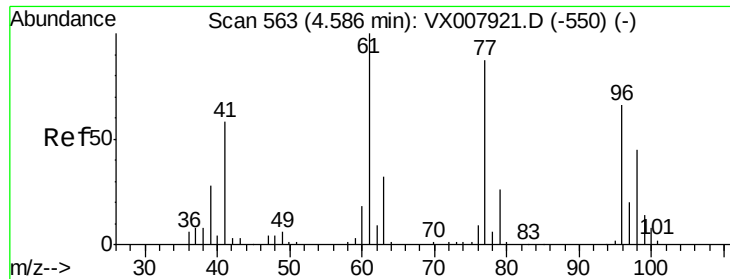
MMDadoda
 3/16/2019 10:32:57 AM



#30
 2-Butanone
 Concen: 85.733 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	7.0	10.6
72	27.7	21.5	32.3





#31

2,2-Dichloropropane

Concen: 20.445 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 69749

Ion Ratio Lower Upper

77 100

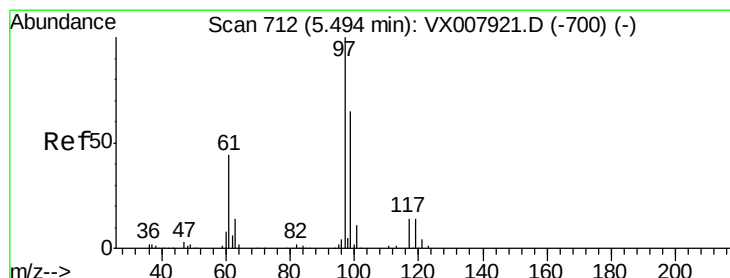
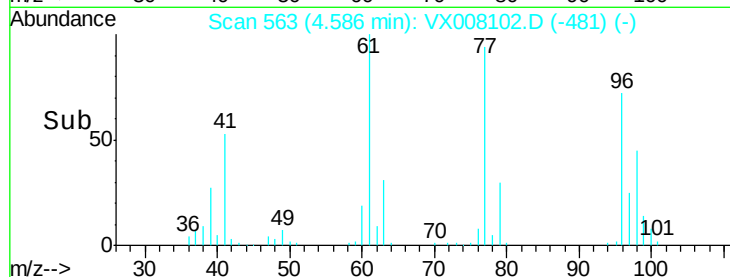
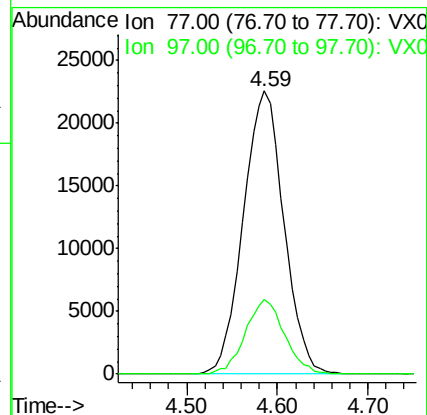
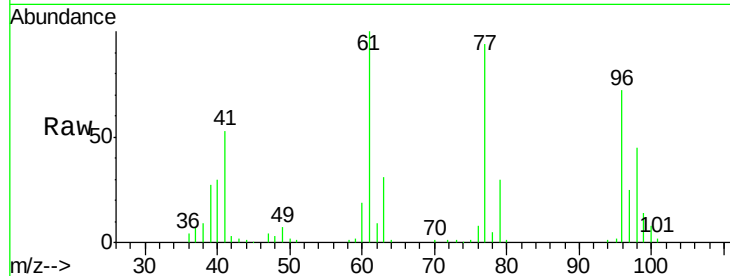
97 25.5 20.6 31.0

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#32

1,1,1-Trichloroethane

Concen: 19.976 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

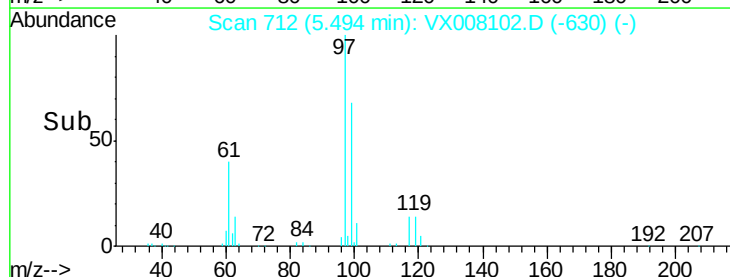
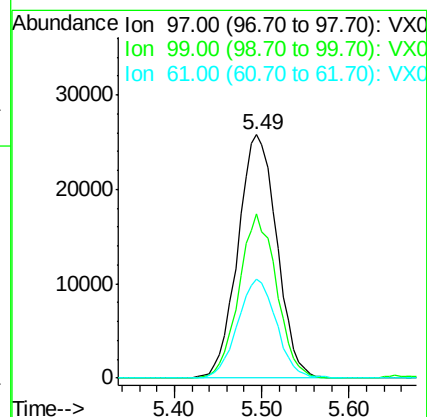
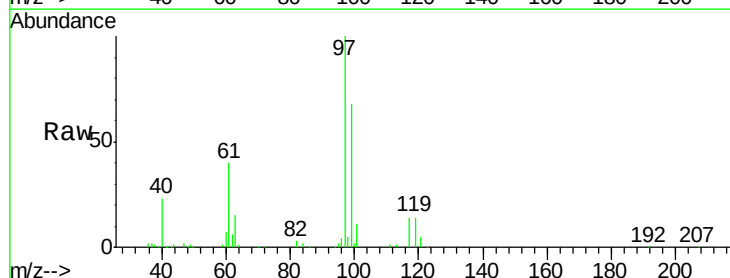
Tgt Ion: 97 Resp: 79784

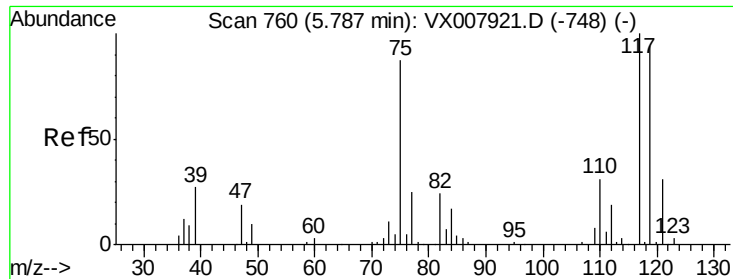
Ion Ratio Lower Upper

97 100

99 65.1 51.7 77.5

61 40.5 32.8 49.2





#33

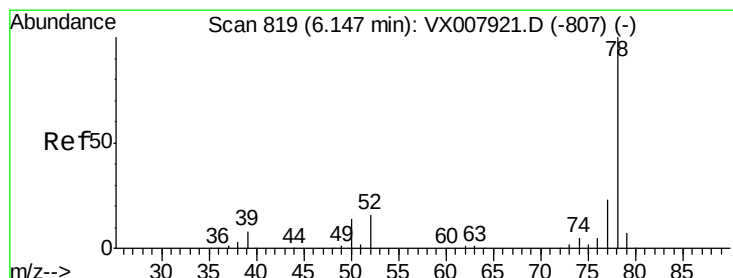
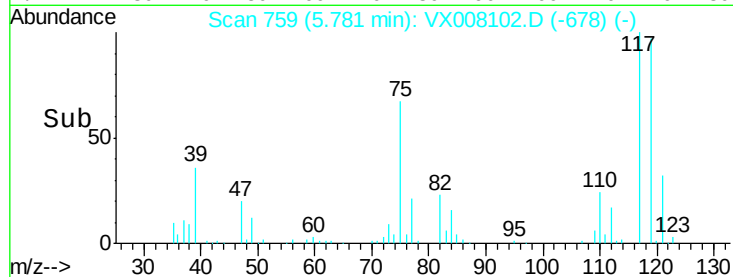
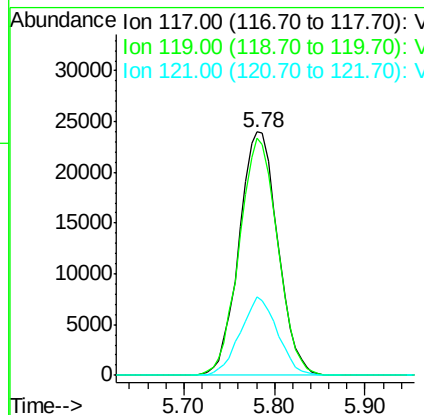
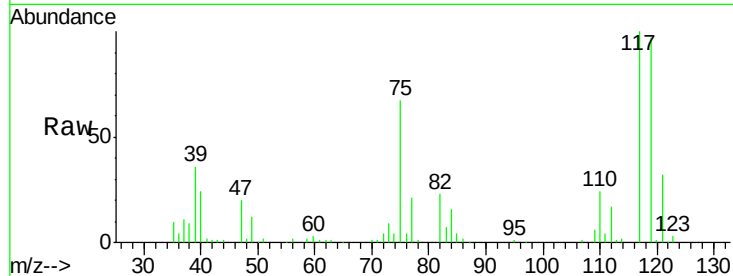
Carbon Tetrachloride
 Concen: 19.987 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.1	117.1
121	32.0	27.0	40.6

Manual Integrations
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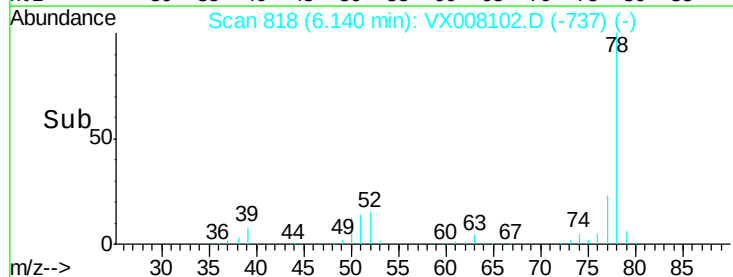
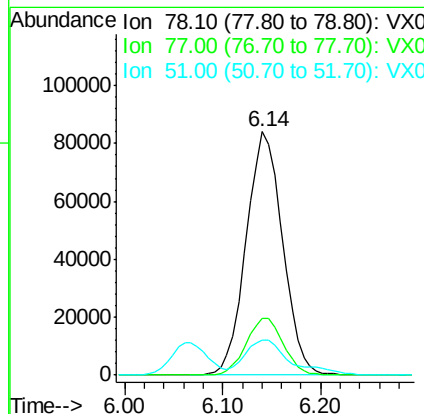
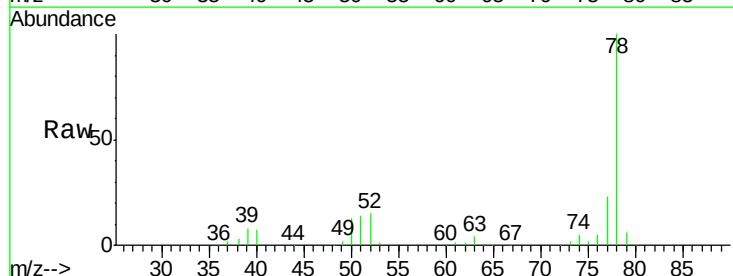
MMDadoda
 3/16/2019 10:32:57 AM

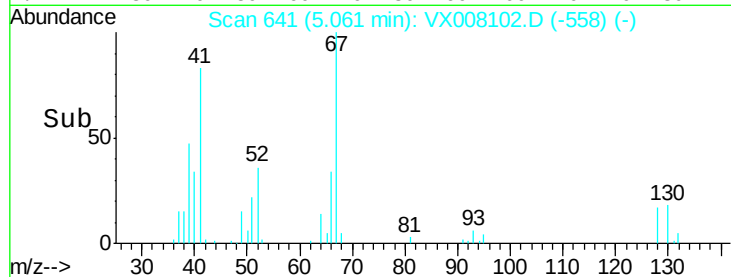
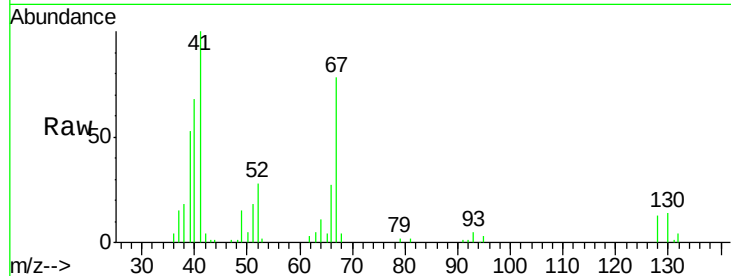
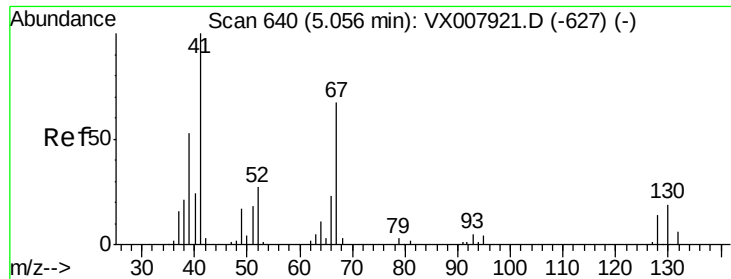


#34

Benzene
 Concen: 19.216 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

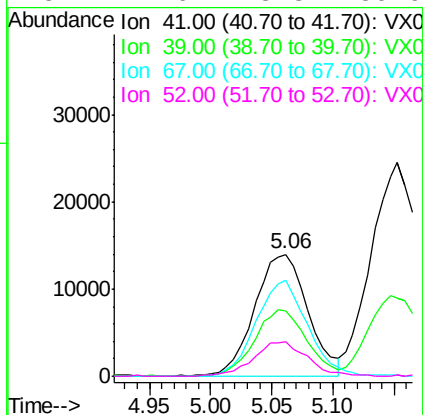
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7
51	13.1	10.8	16.2





#35
Methacrylonitrile
Concen: 17.445 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

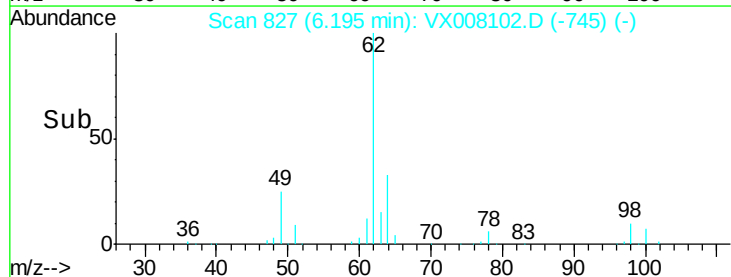
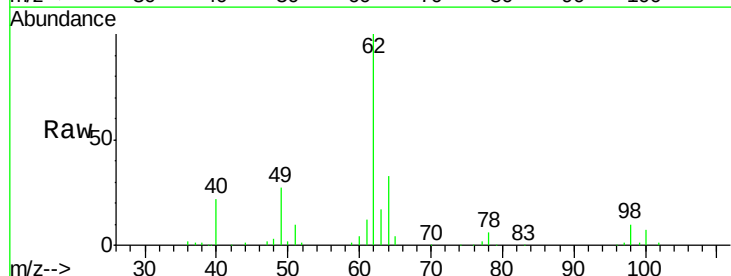
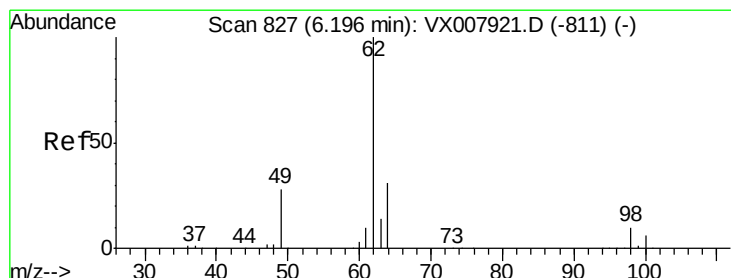
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	27.4	82.0	
67	78.5	37.9	113.6	
52	27.6	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

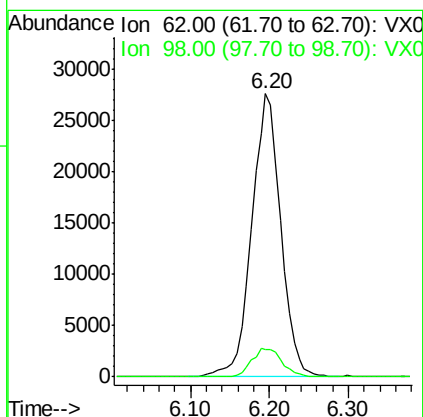
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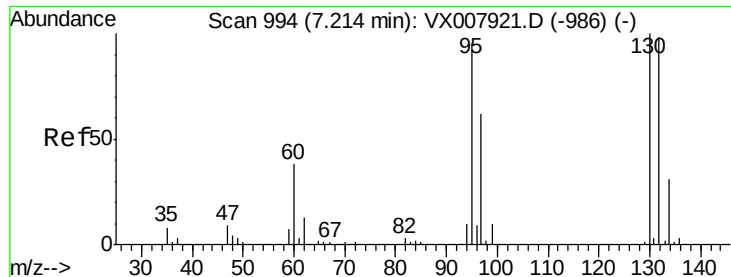
MMDadoda
3/16/2019 10:32:57 AM



#36
1,2-Dichloroethane
Concen: 19.172 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	7.8	11.8	





#37

Trichloroethene

Concen: 20.793 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 63767

Ion Ratio Lower Upper

130 100

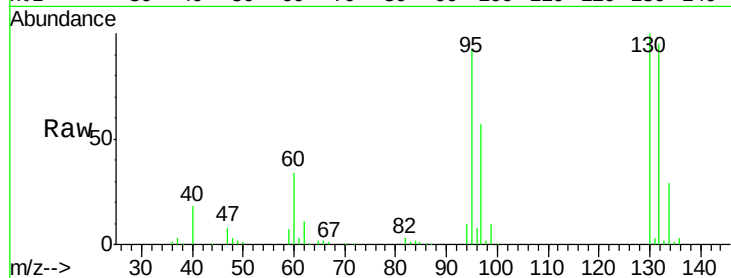
95 91.9 71.3 106.9

Manual Integrations

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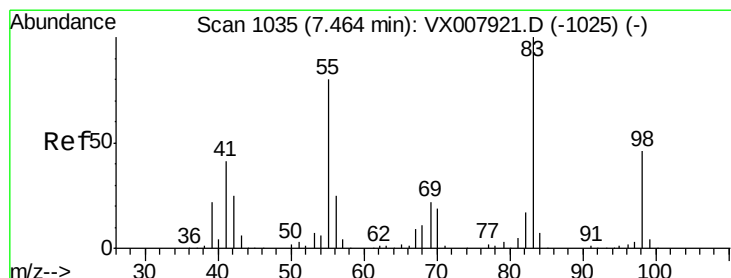
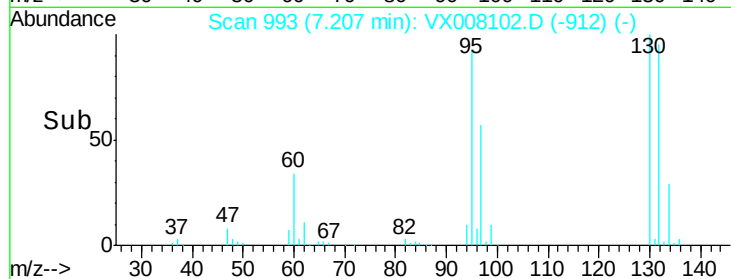
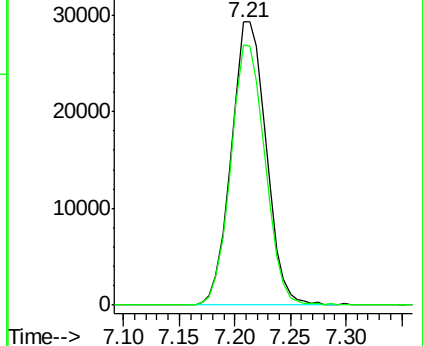
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.803 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

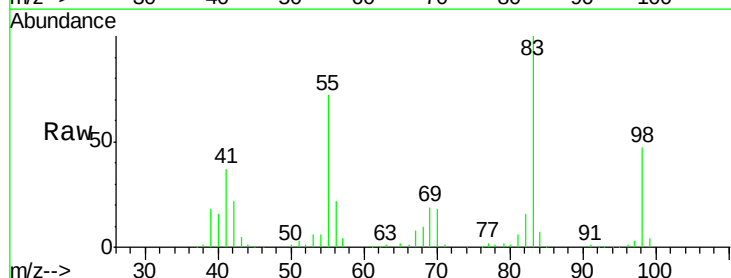
Tgt Ion: 83 Resp: 92998

Ion Ratio Lower Upper

83 100

55 73.5 36.0 108.0

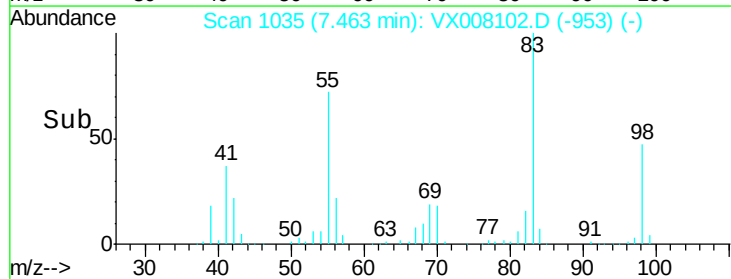
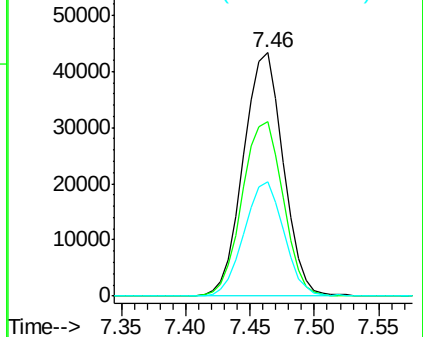
98 46.8 23.8 71.4

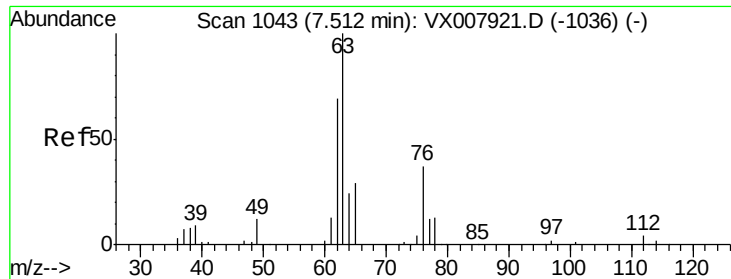


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





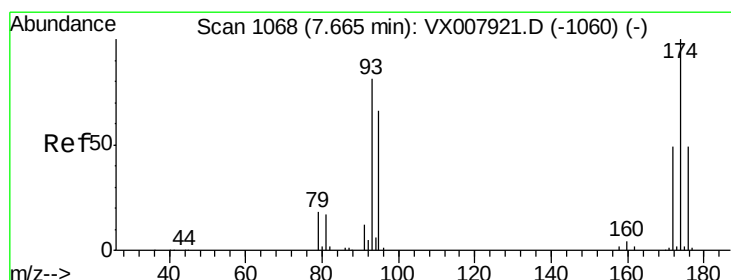
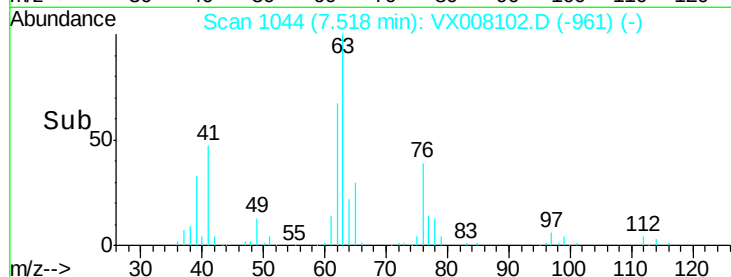
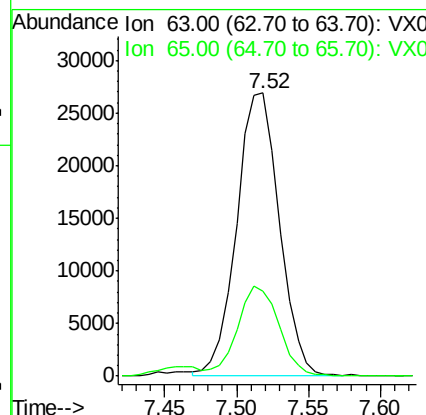
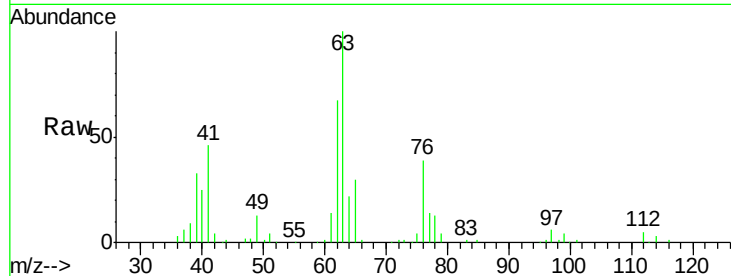
#39
 1,2-Dichloropropane
 Concen: 18.810 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 55527
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

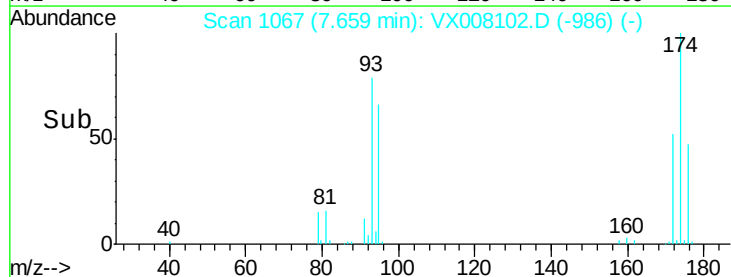
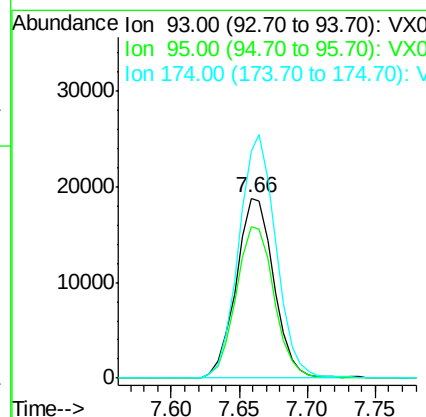
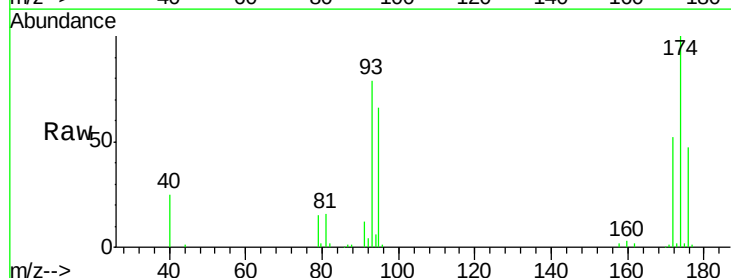
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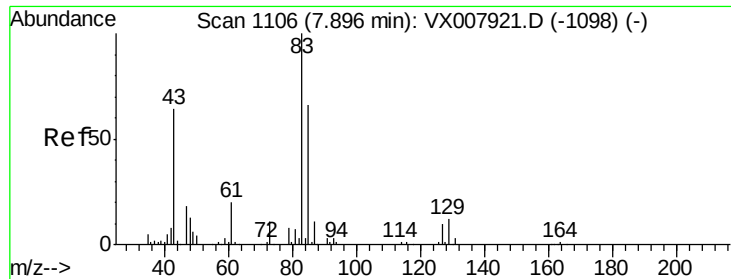
MMDadoda
 3/16/2019 10:32:57 AM



#40
 Dibromomethane
 Concen: 19.453 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion: 93 Resp: 36425
 Ion Ratio Lower Upper
 93 100
 95 85.4 0.0 158.8
 174 133.0 0.0 224.2





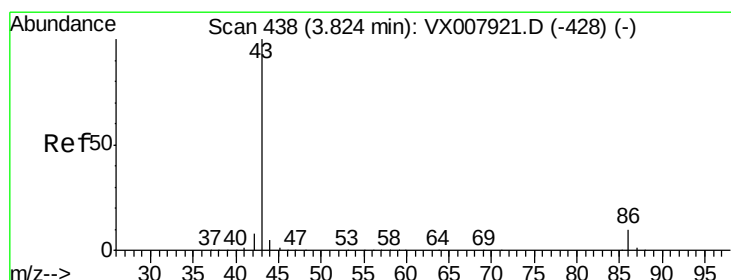
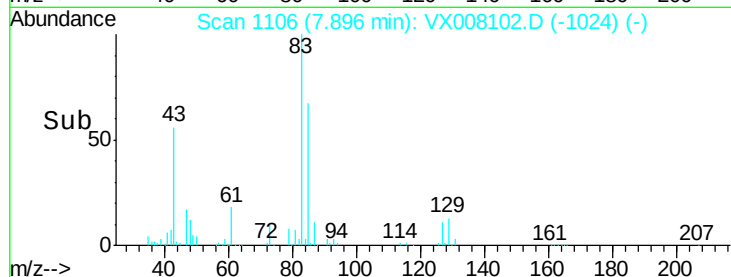
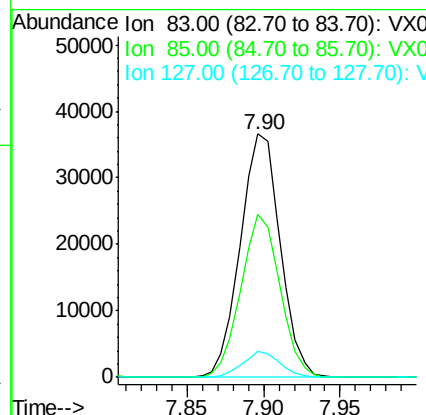
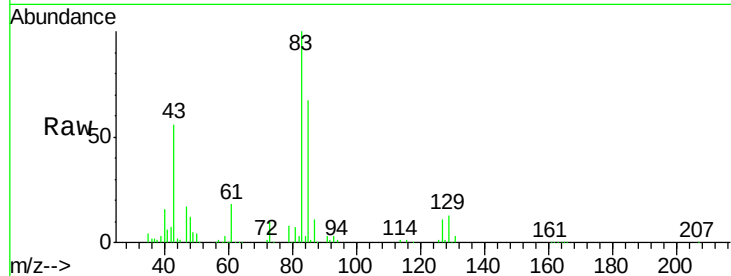
#41
Bromodichloromethane
Concen: 18.805 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	66559
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	51.1	76.7
127	10.7	7.2	10.8

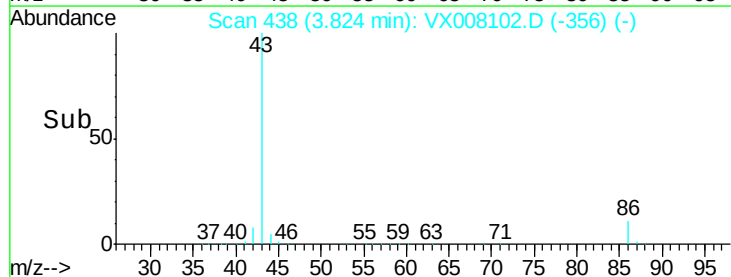
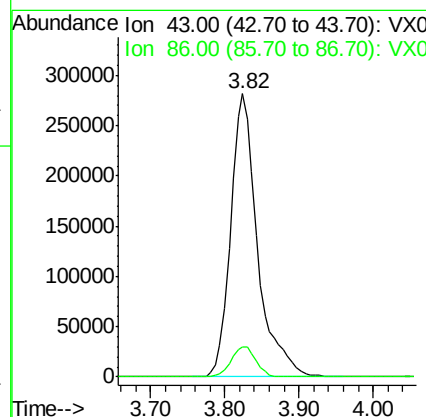
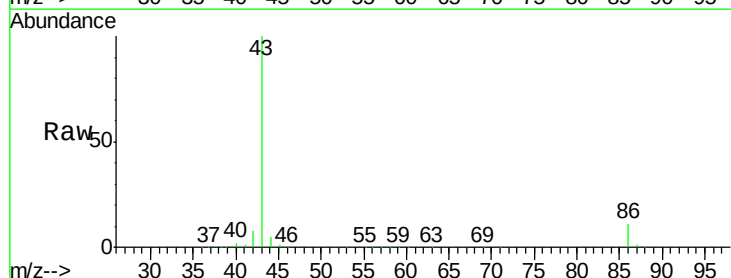
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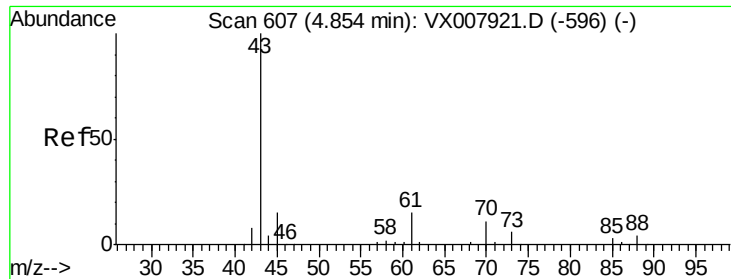
MMDadoda
3/16/2019 10:32:57 AM



#42
Vinyl Acetate
Concen: 88.128 ug/l
RT: 3.82 min Scan# 438
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	43	Resp	710674
Ion Ratio	100	Lower	Upper
43	100		
86	9.9	8.2	12.2





#43

Ethyl Acetate

Concen: 17.373 ug/l m

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 75385

Ion Ratio Lower Upper

43 100

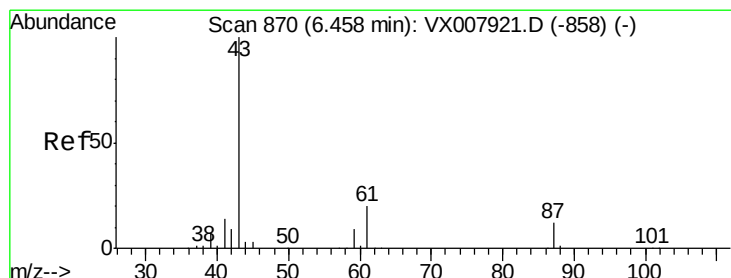
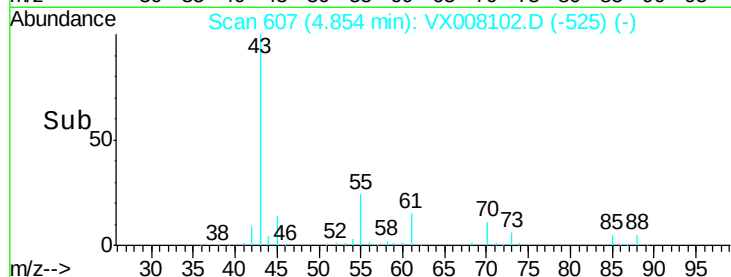
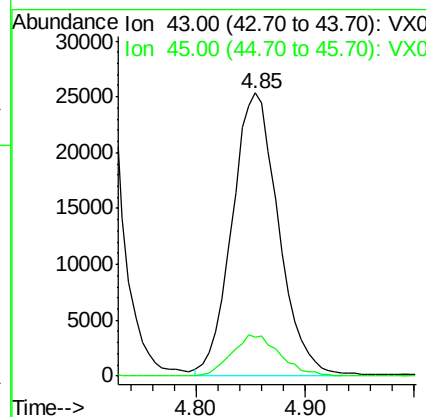
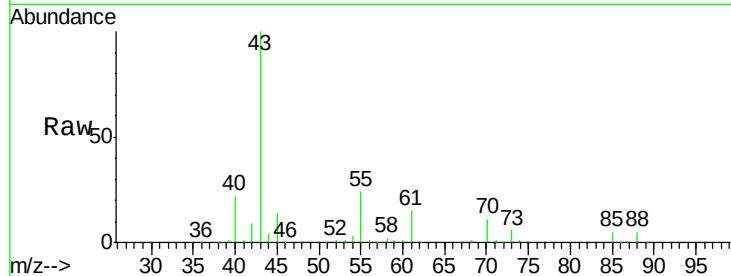
45 0.1 6.9 10.3#

Manual Integrations

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MMDadoda

3/16/2019 10:32:57 AM



#44

Isopropyl Acetate

Concen: 17.357 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX008102.D

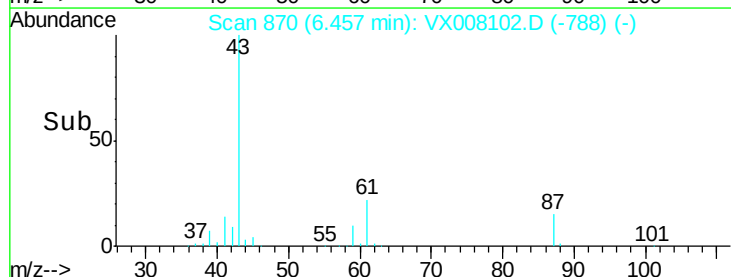
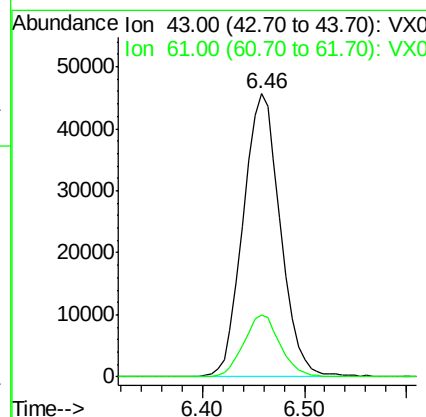
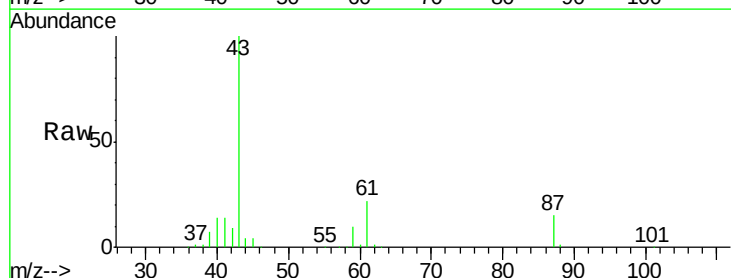
Acq: 15 Mar 2019 12:20

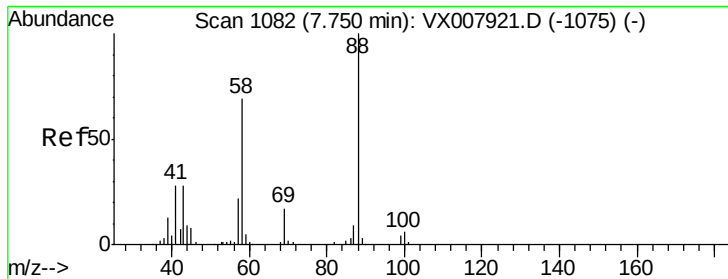
Tgt Ion: 43 Resp: 114919

Ion Ratio Lower Upper

43 100

61 21.5 16.1 24.1





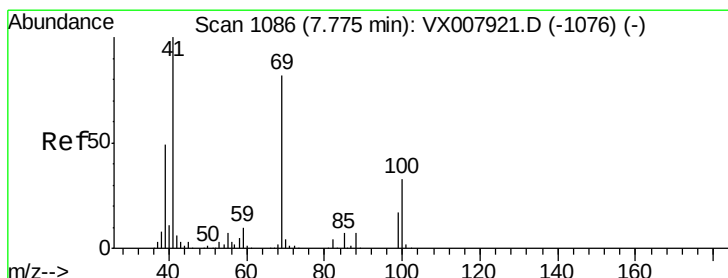
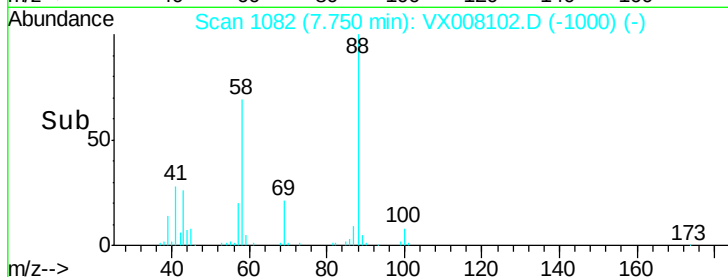
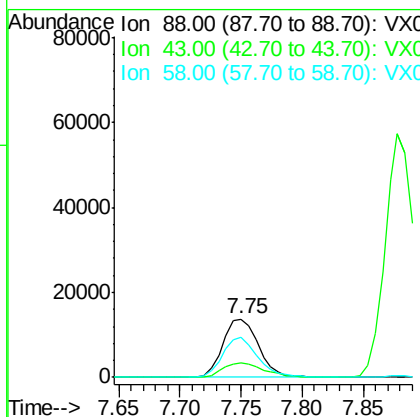
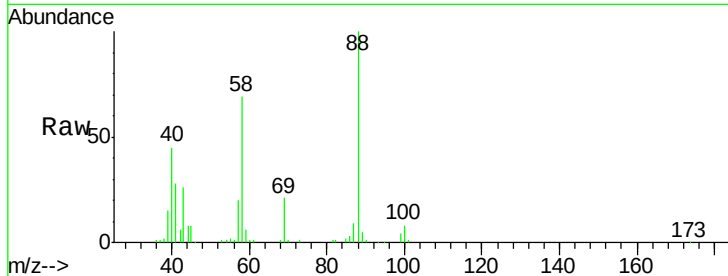
#45
 1,4-Dioxane
 Concen: 400.212 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.6	35.4
58	67.8	51.6	77.4

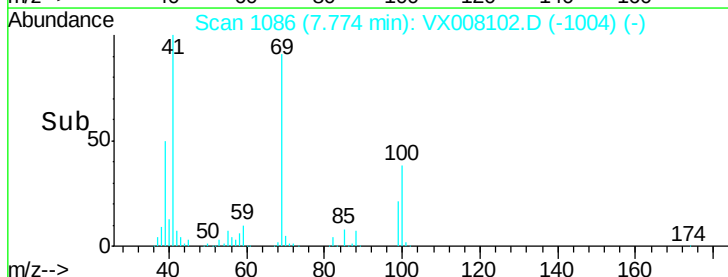
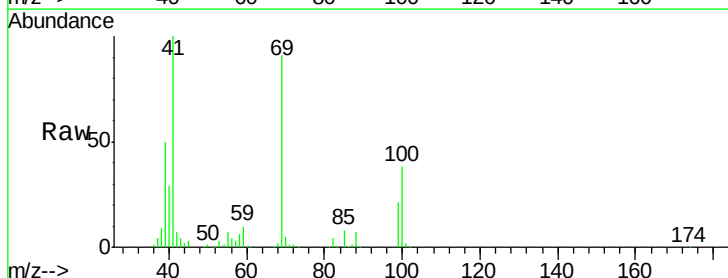
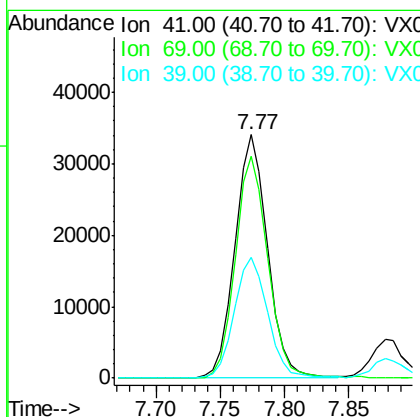
Manual Integrations
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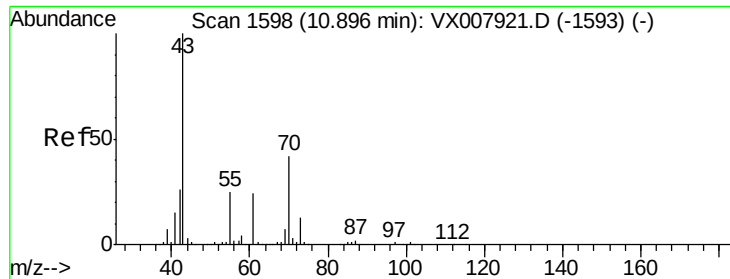
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#46
 Methyl methacrylate
 Concen: 17.183 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.4	44.2	132.6
39	49.7	29.9	89.8





#47

n-amvl Acetate

Concen: 16.801 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 95849

Ion Ratio Lower Upper

43 100

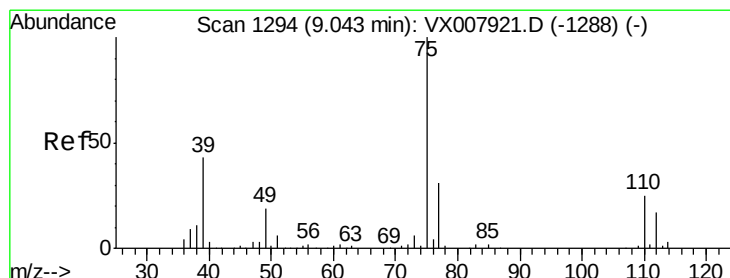
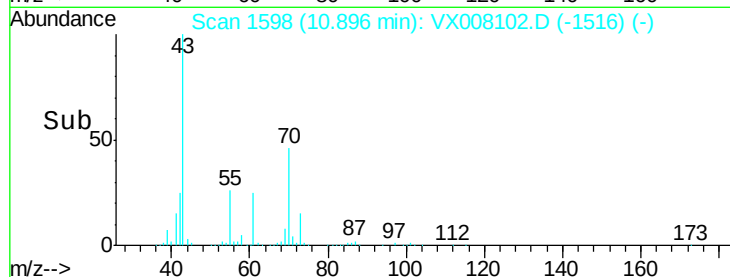
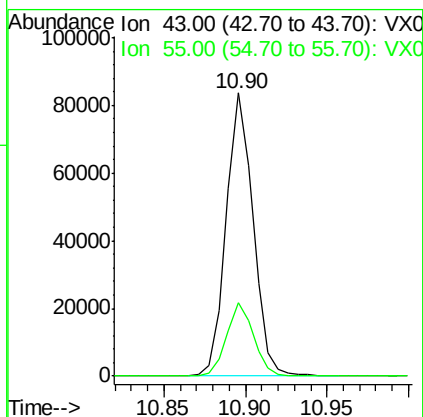
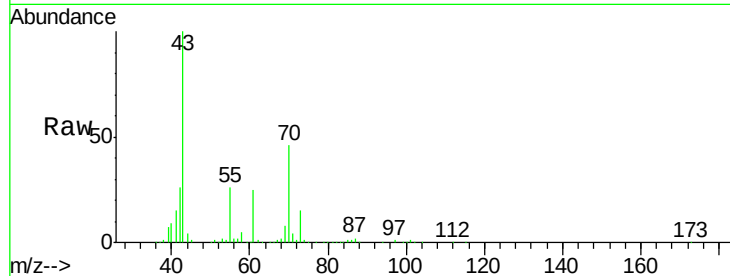
55 26.5 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.492 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008102.D

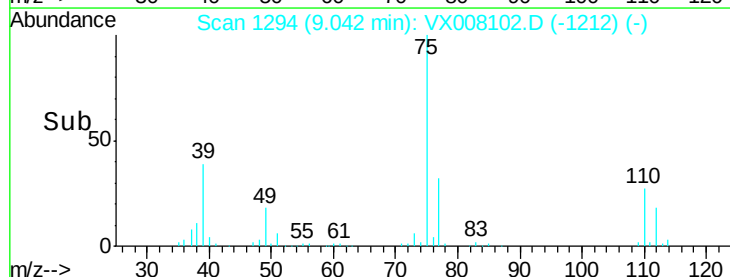
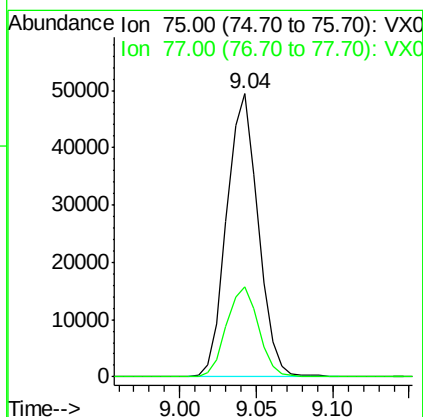
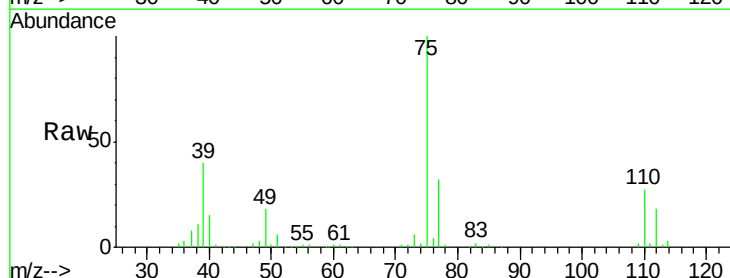
Acq: 15 Mar 2019 12:20

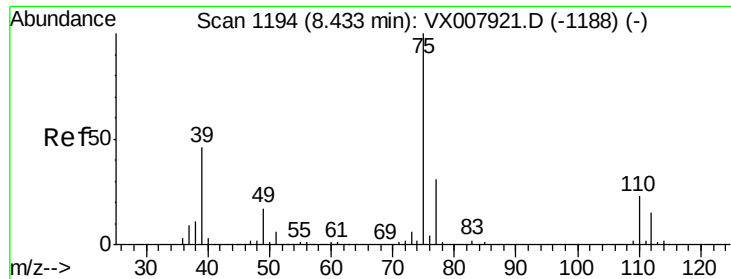
Tgt Ion: 75 Resp: 70882

Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7





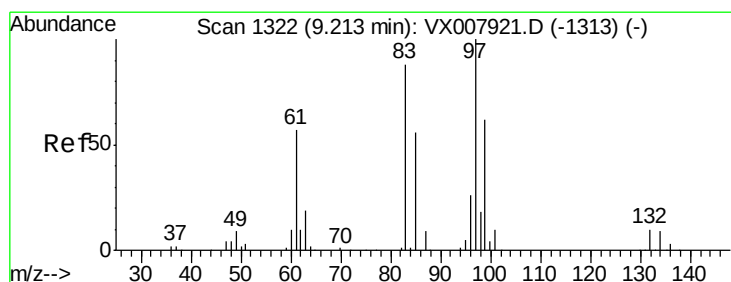
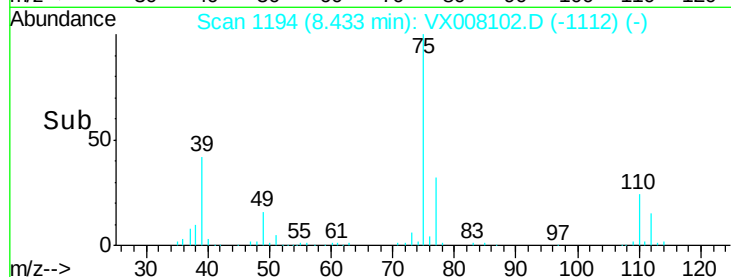
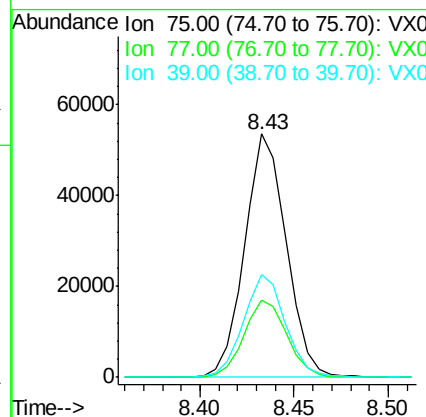
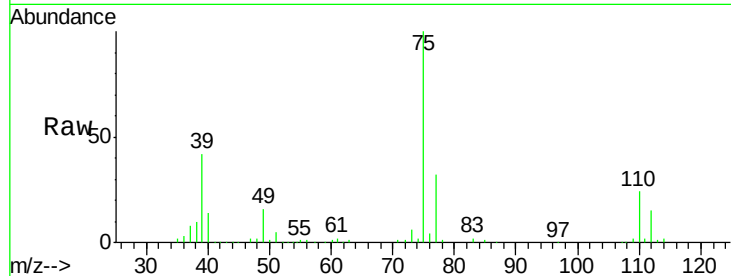
#49
 cis-1,3-Dichloropropene
 Concen: 18.930 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	42.5	38.5	57.7

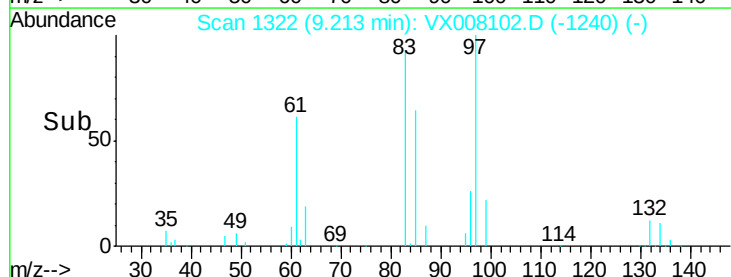
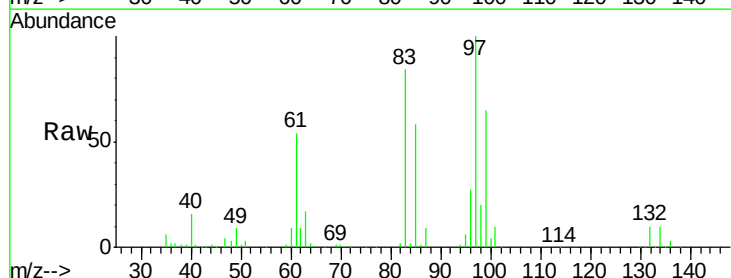
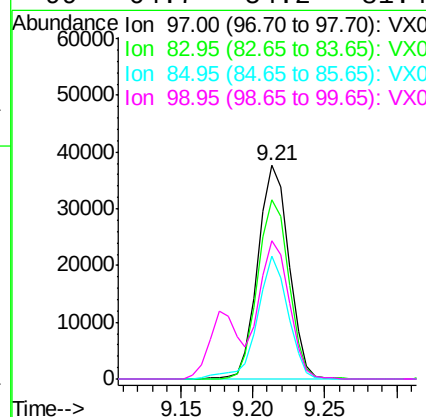
Manual Integrations
 APPROVED

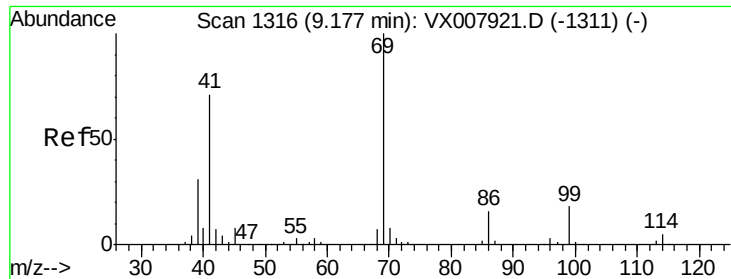
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#50
 1,1,2-Trichloroethane
 Concen: 19.663 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.7	72.0	108.0
85	57.5	45.0	67.6
99	64.7	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.575 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

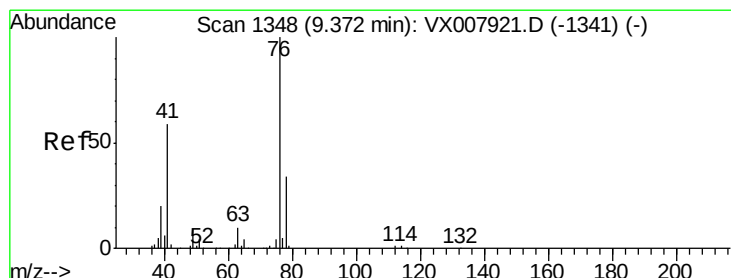
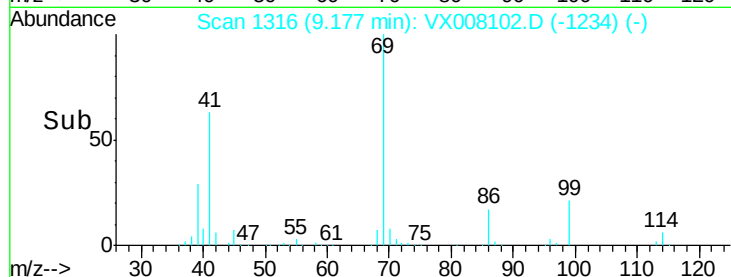
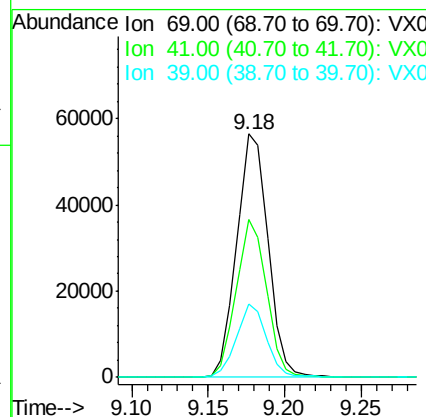
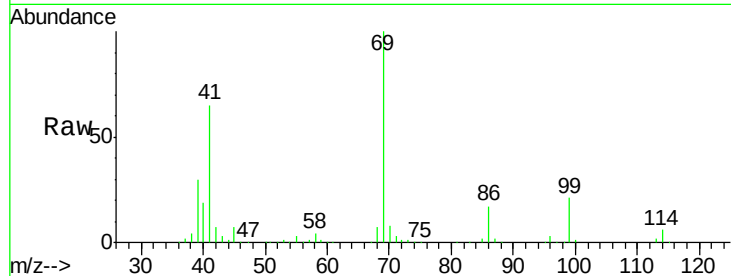
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	80403
Ion Ratio	Lower	Upper	
69	100		
41	64.8	32.1	96.5
39	30.1	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.237 ug/l

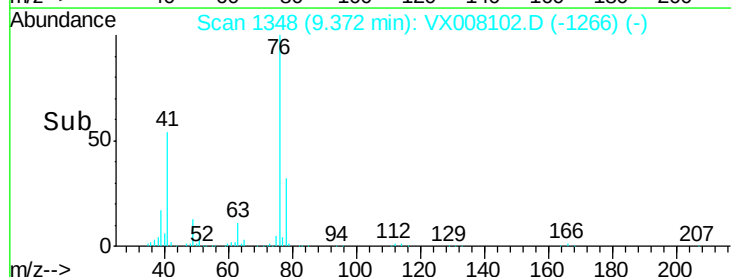
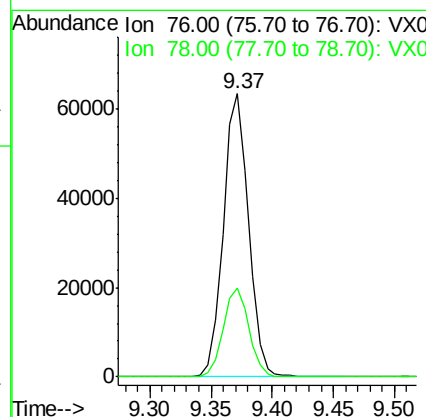
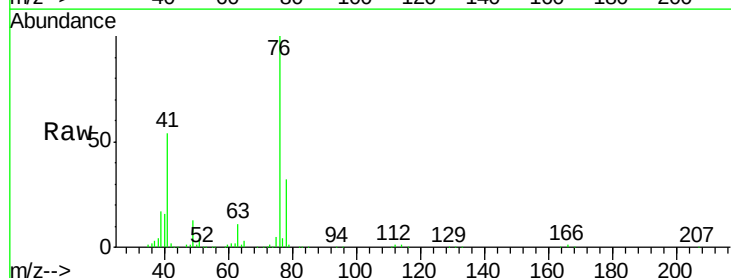
RT: 9.37 min Scan# 1348

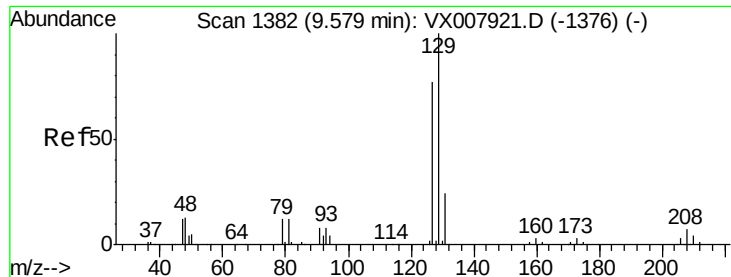
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	76	Resp:	90720
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	65.2





#53

Dibromochloromethane

Concen: 19.663 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 57729

Ion Ratio Lower Upper

129 100

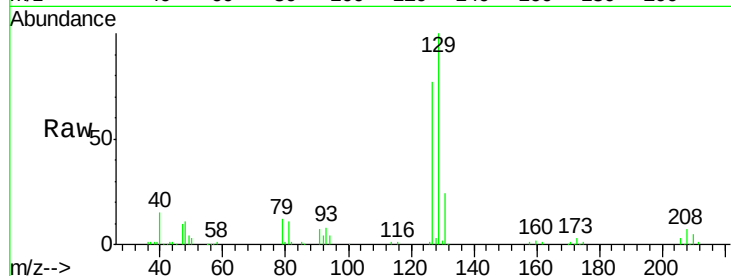
127 76.7 38.4 115.2

Manual Integrations

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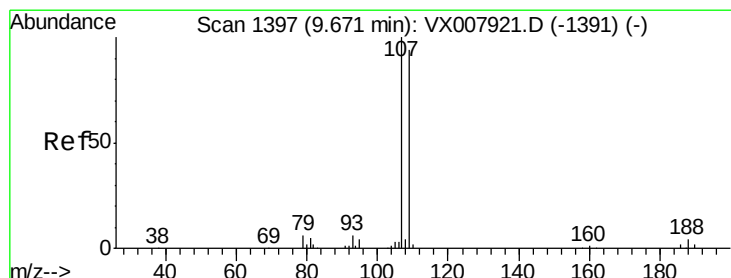
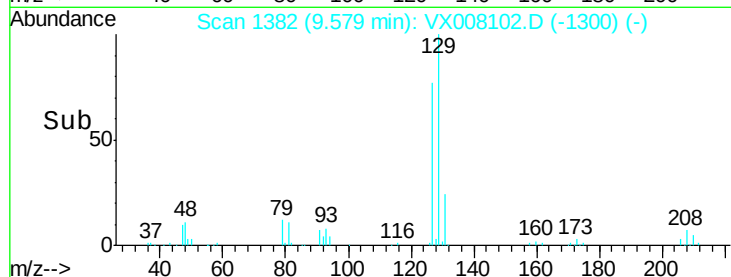
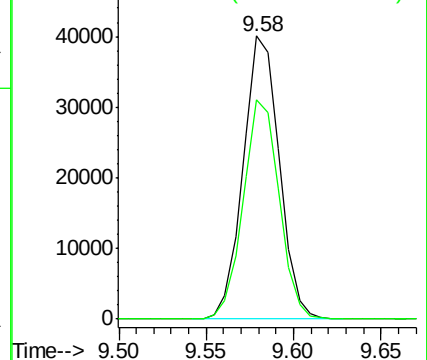
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.997 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008102.D

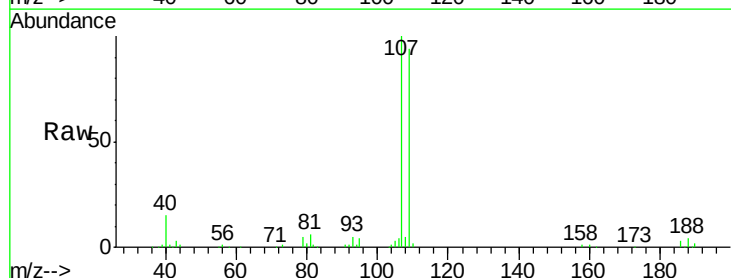
Acq: 15 Mar 2019 12:20

Tgt Ion:107 Resp: 59668

Ion Ratio Lower Upper

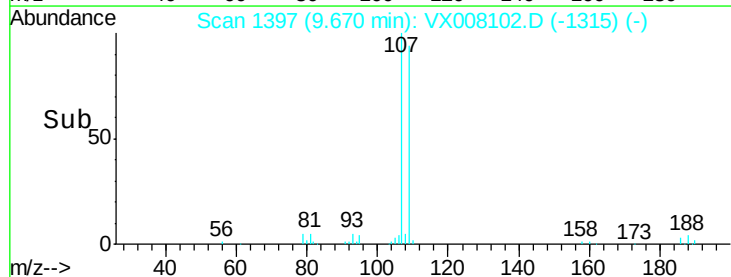
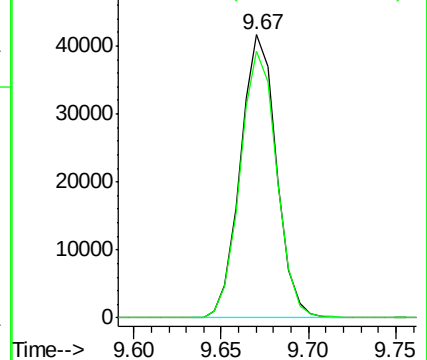
107 100

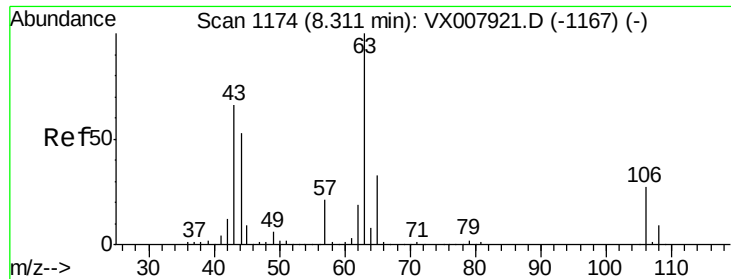
109 95.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





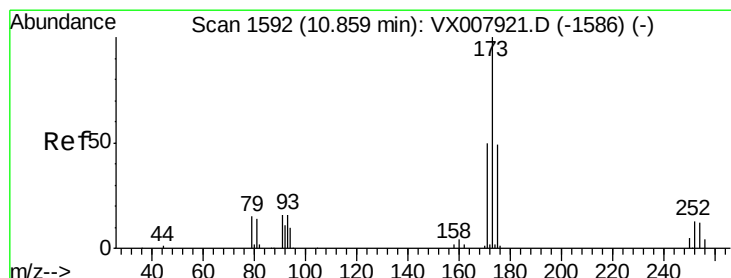
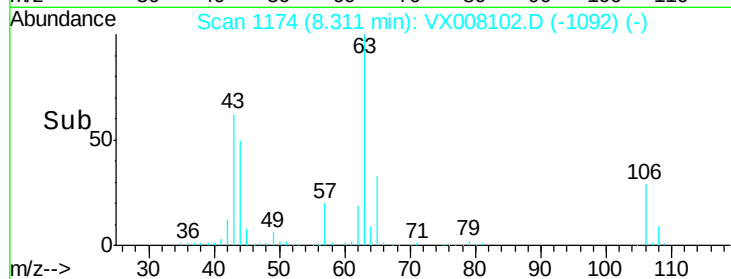
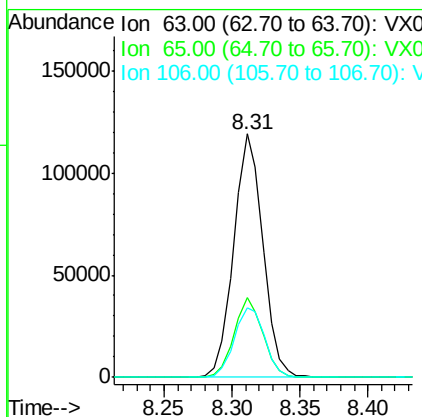
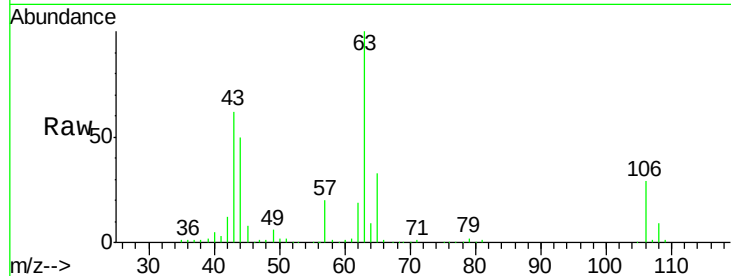
#55
2-Chloroethyl vinyl ether
Concen: 88.329 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5
106	29.8	23.7	35.5

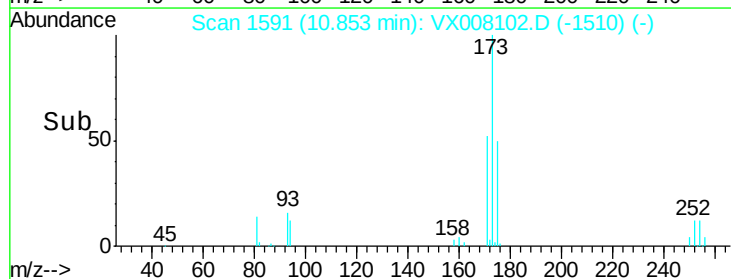
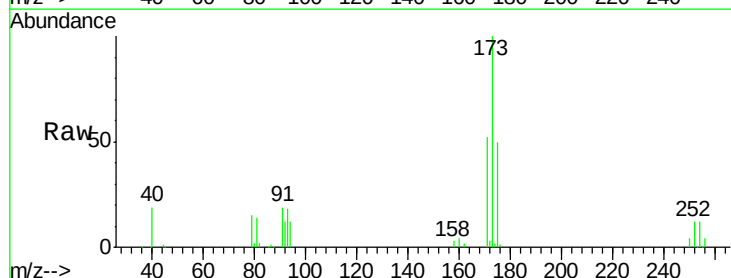
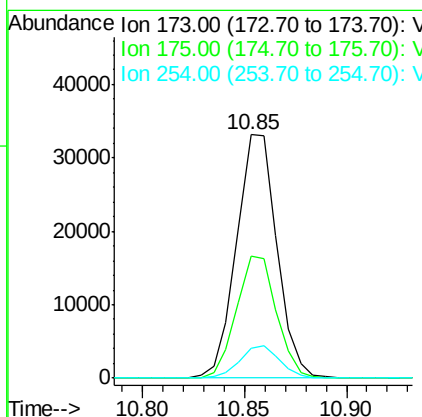
Manual Integrations
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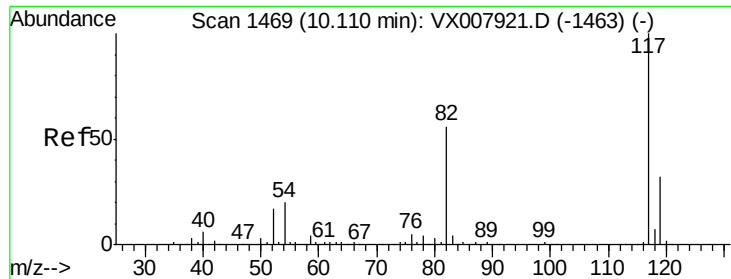
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#56
Bromoform
Concen: 19.474 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.5	57.7
254	13.1	7.4	11.2





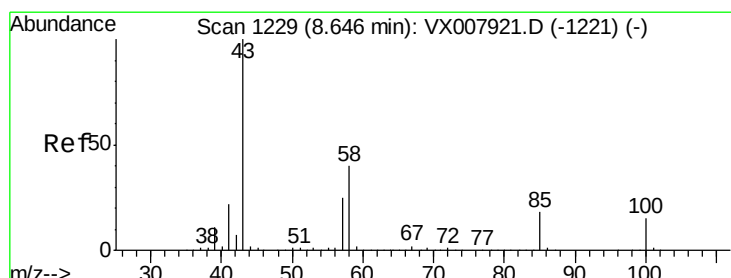
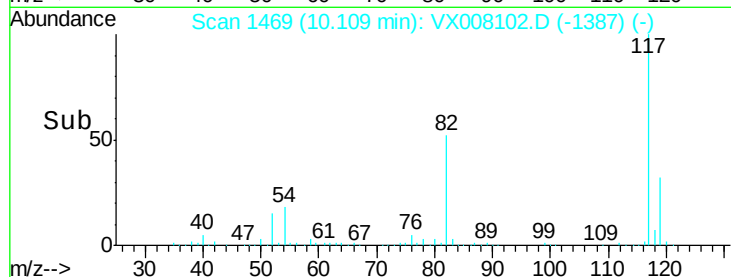
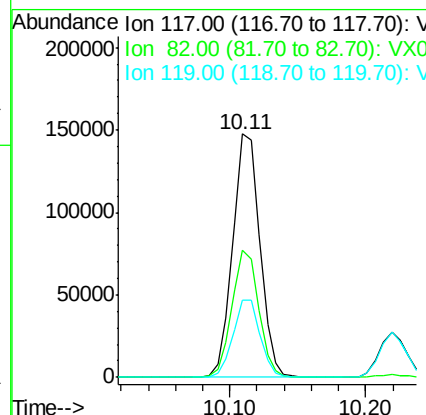
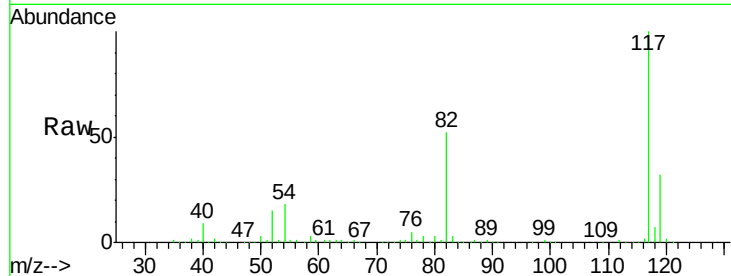
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.4	60.6
119	31.7	25.8	38.6

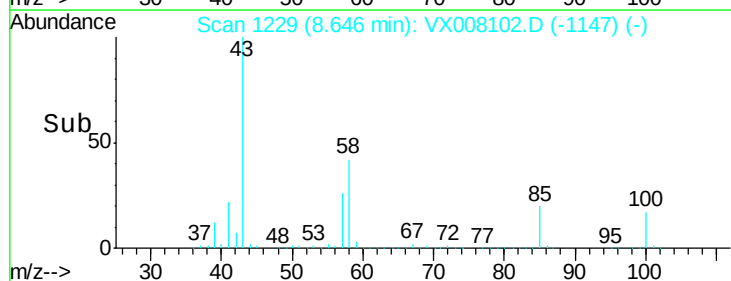
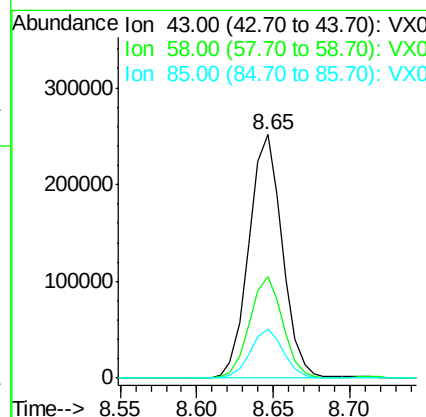
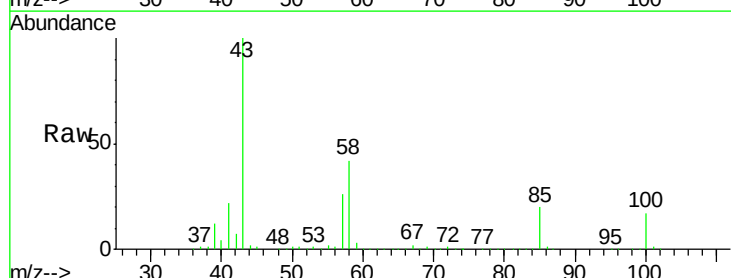
Manual Integrations
APPROVED

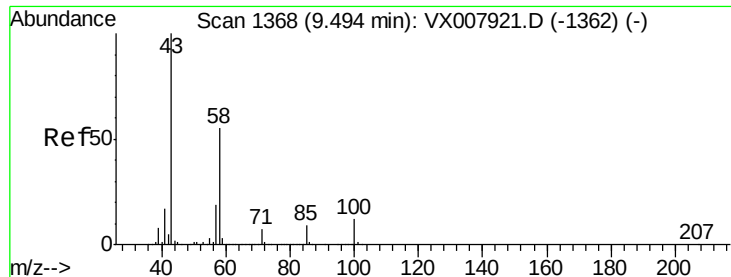
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 90.216 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.4	47.0
85	19.9	15.0	22.6





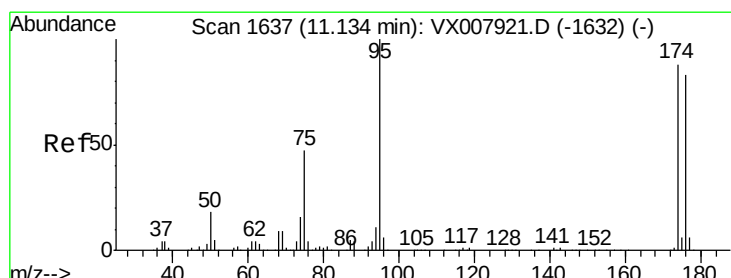
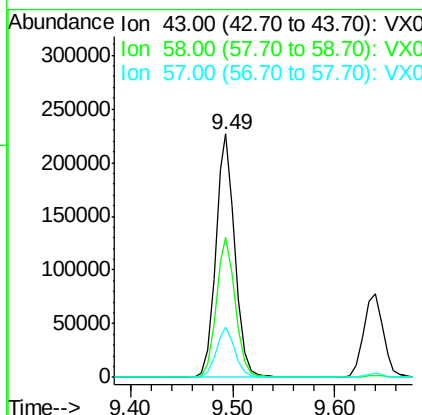
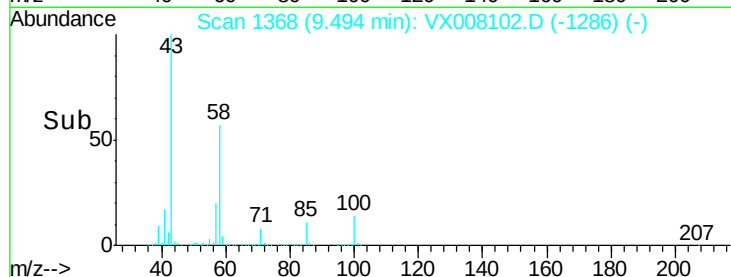
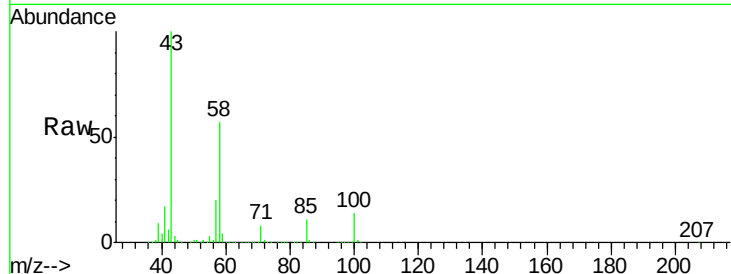
#59
2-Hexanone
Concen: 88.816 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	43.9	65.9
57	20.3	14.9	22.3

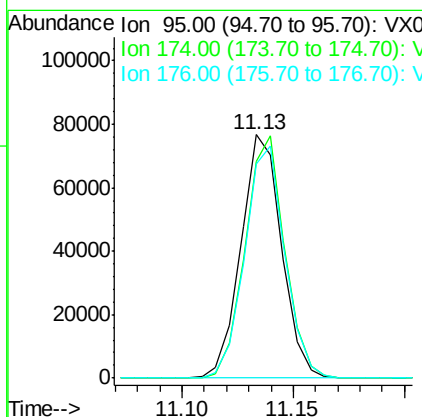
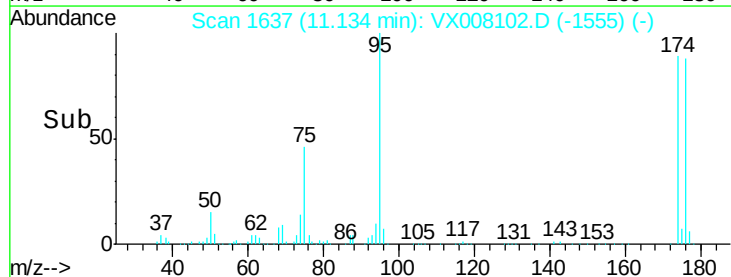
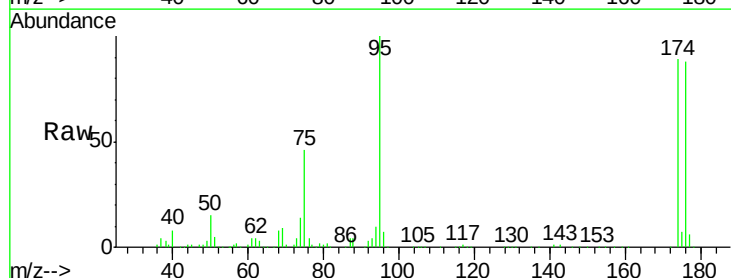
Manual Integrations
APPROVED

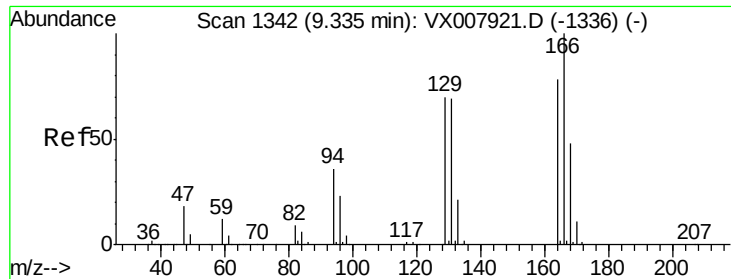
MMDadoda
3/16/2019 10:32:57 AM



#60
4-Bromofluorobenzene
Concen: 29.620 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.0	74.9	112.3
176	94.6	70.7	106.1





#61

Tetrachloroethene

Concen: 22.654 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 68046

Ion Ratio Lower Upper

164 100

166 128.6 103.9 155.9

129 85.7 74.7 112.1

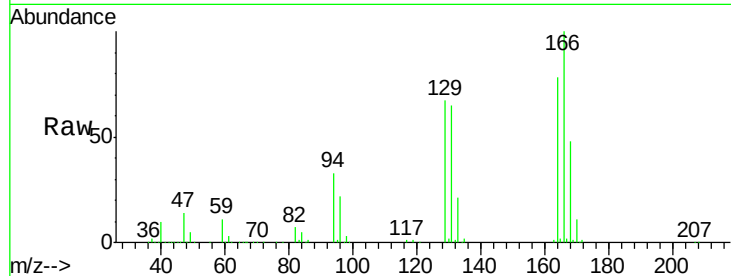
131 83.5 71.7 107.5

Manual Integrations

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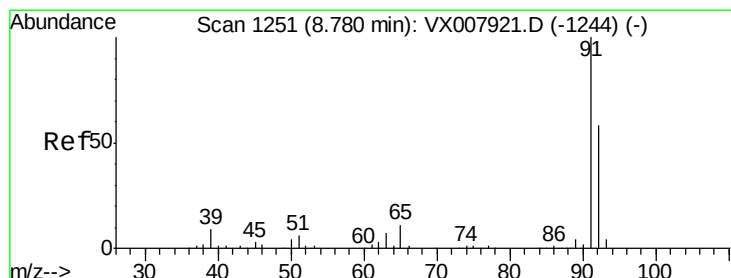
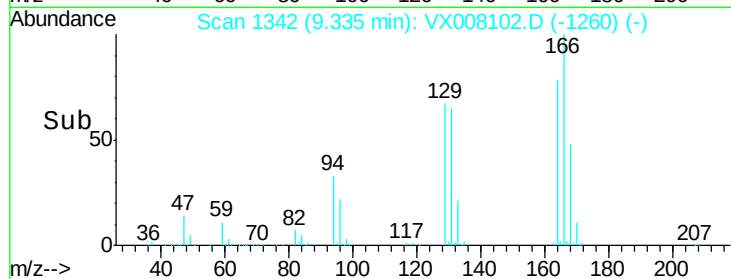
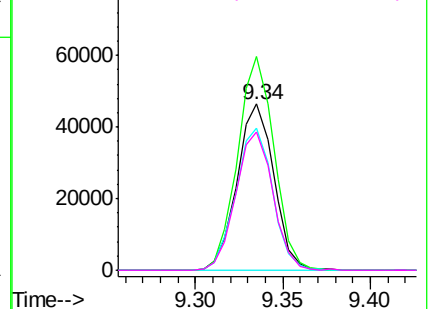


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.536 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008102.D

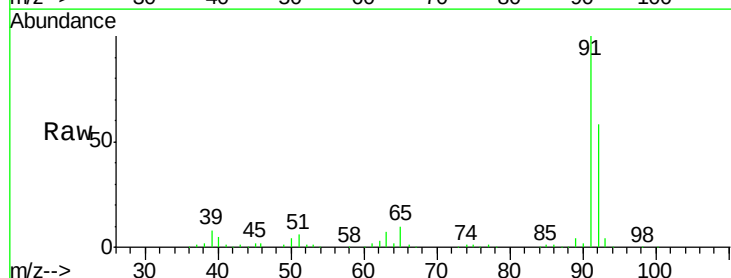
Acq: 15 Mar 2019 12:20

Tgt Ion: 91 Resp: 234889

Ion Ratio Lower Upper

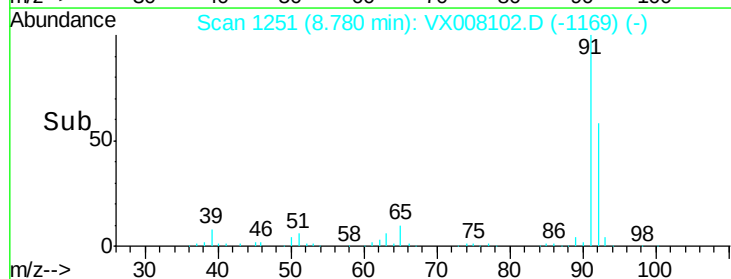
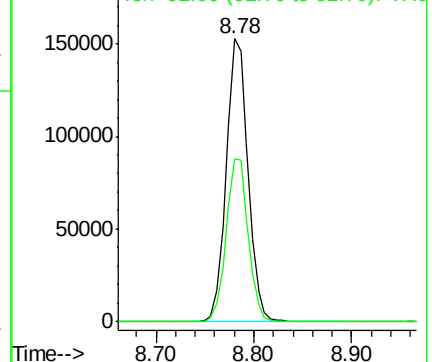
91 100

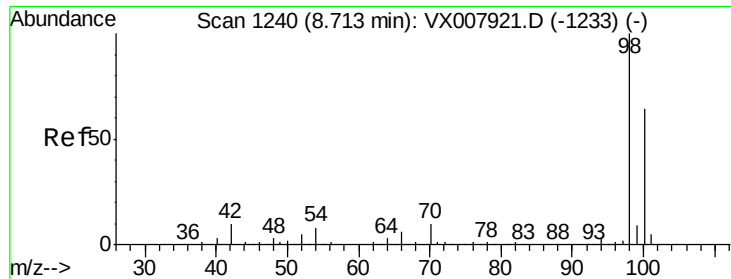
92 58.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.537 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 278340

Ion Ratio Lower Upper

98 100

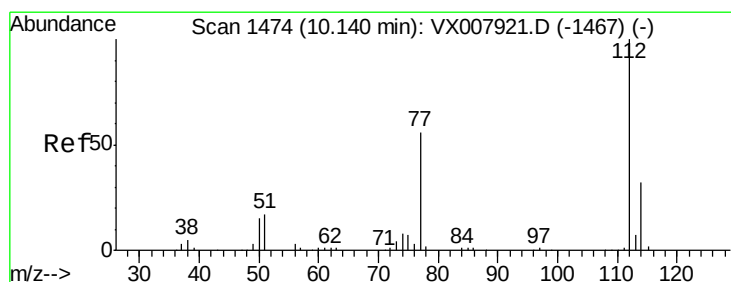
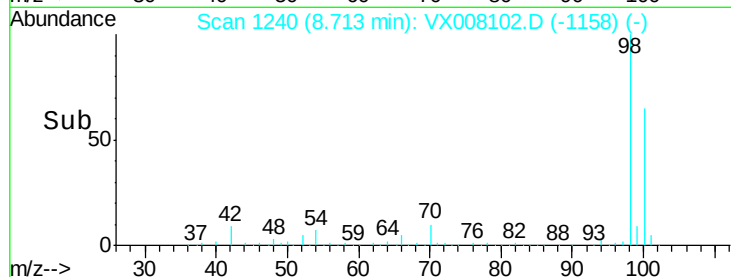
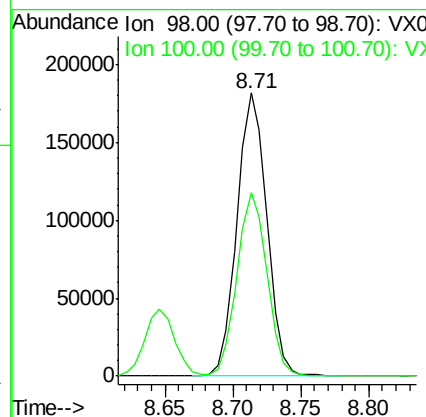
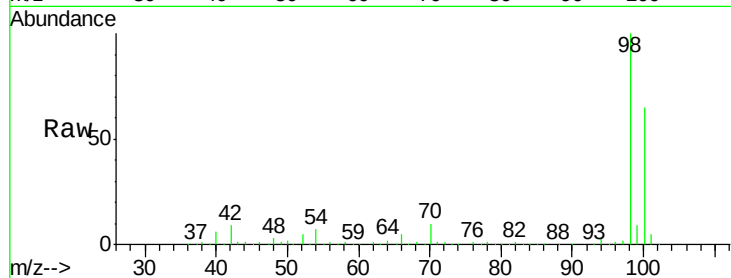
100 65.3 50.9 76.3

Manual Integrations

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#64

Chlorobenzene

Concen: 20.157 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008102.D

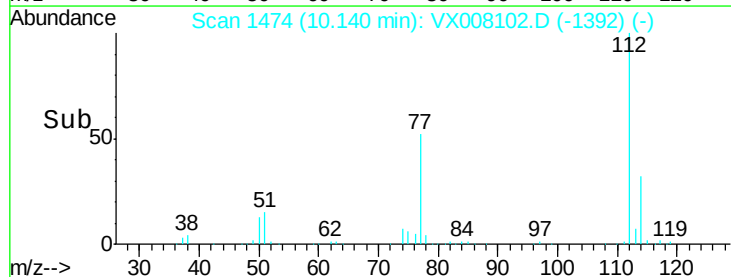
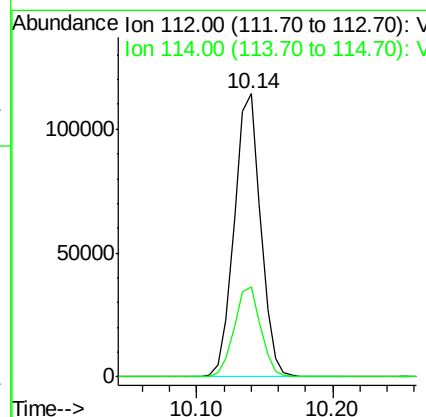
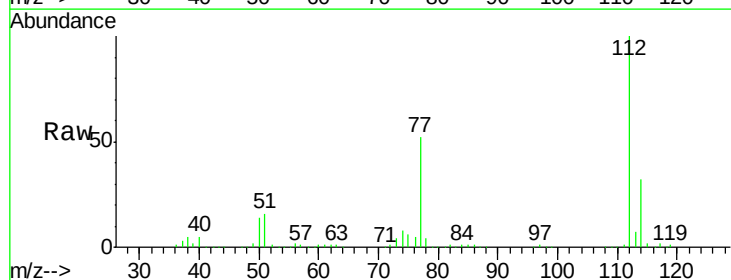
Acq: 15 Mar 2019 12:20

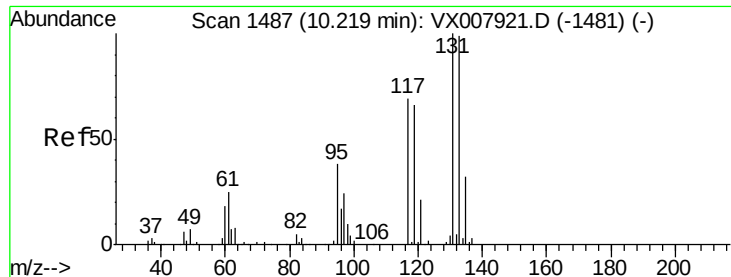
Tgt Ion: 112 Resp: 154465

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.548 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

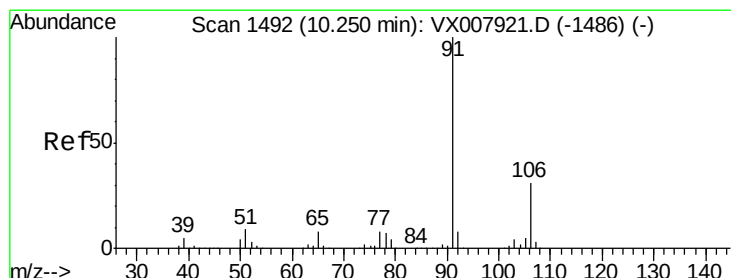
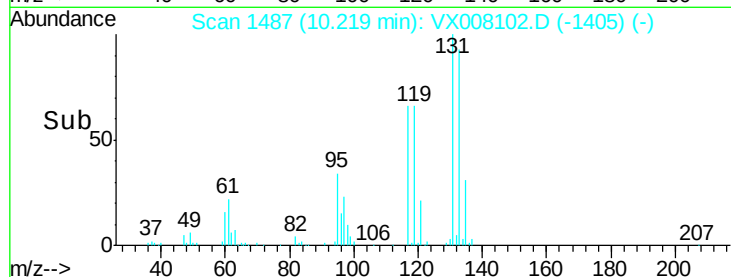
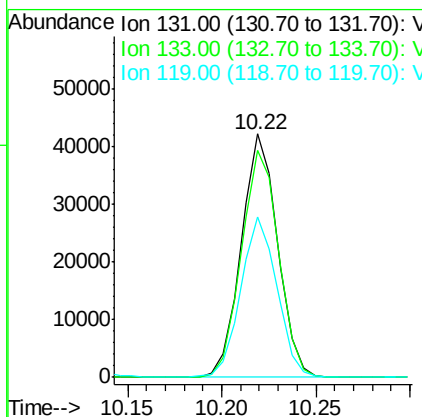
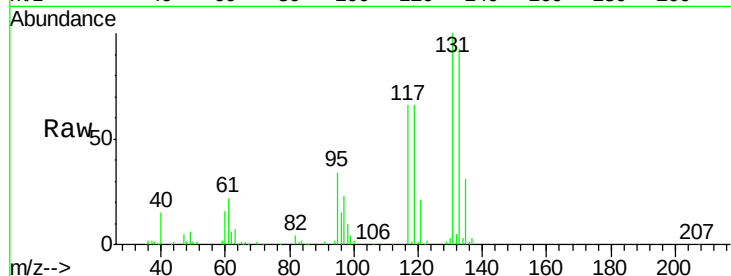
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	56377
Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	191.6
119	65.7	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.651 ug/l

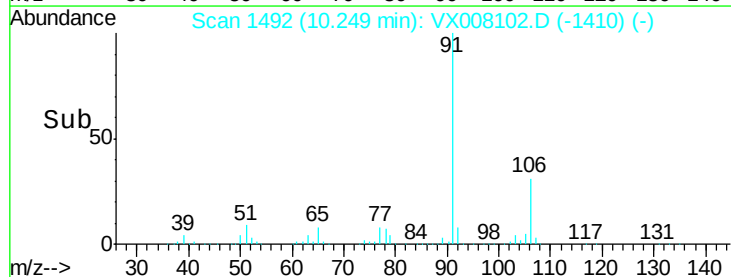
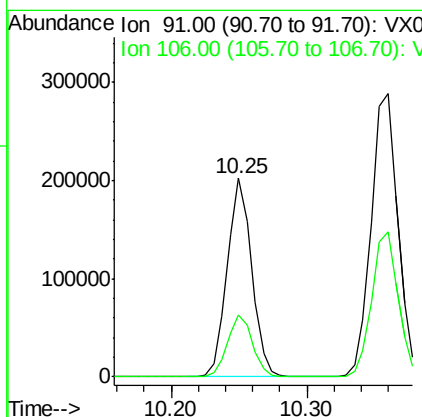
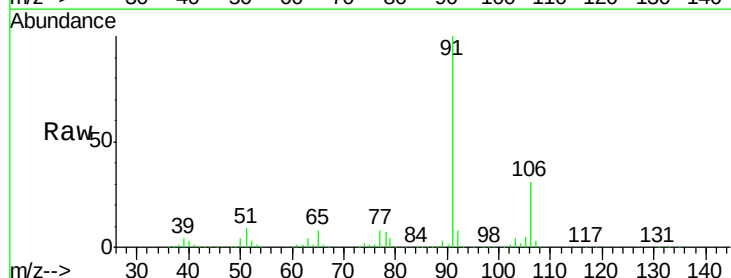
RT: 10.25 min Scan# 1492

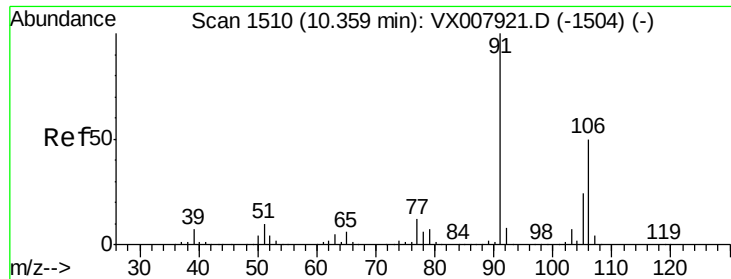
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	91	Resp:	253791
Ion	Ratio	Lower	Upper
91	100		
106	31.0	26.0	39.0





#67

m/p-Xylenes

Concen: 40.255 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 199348

Ion Ratio Lower Upper

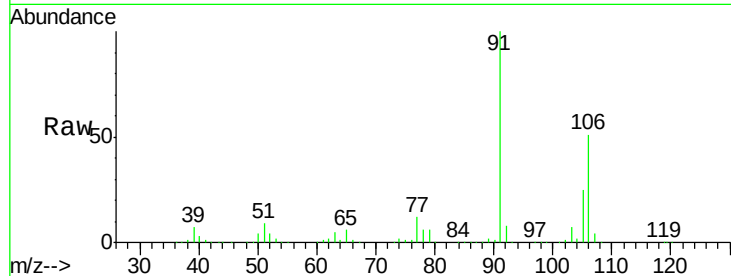
106 100

91 198.2 157.0 235.4

Manual Integrations
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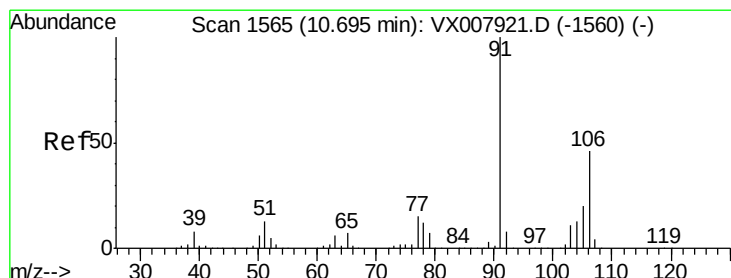
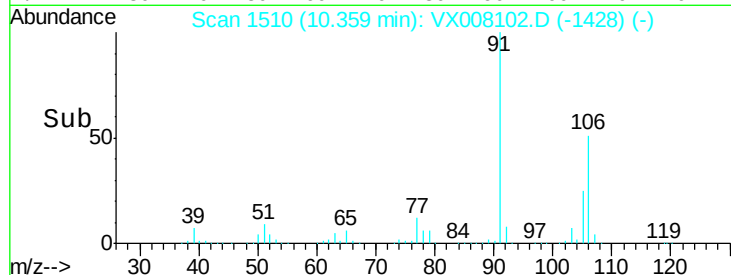
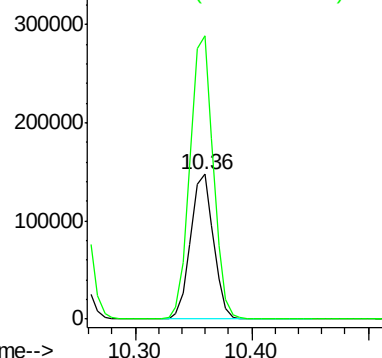
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.009 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008102.D

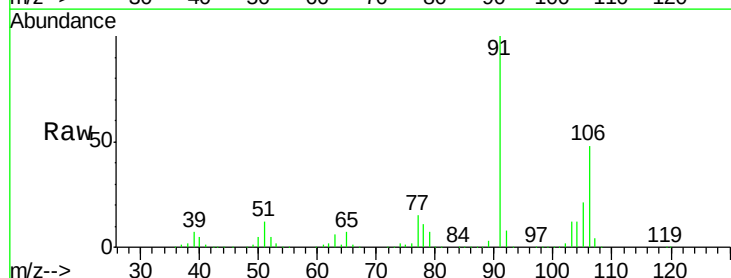
Acq: 15 Mar 2019 12:20

Tgt Ion:106 Resp: 96218

Ion Ratio Lower Upper

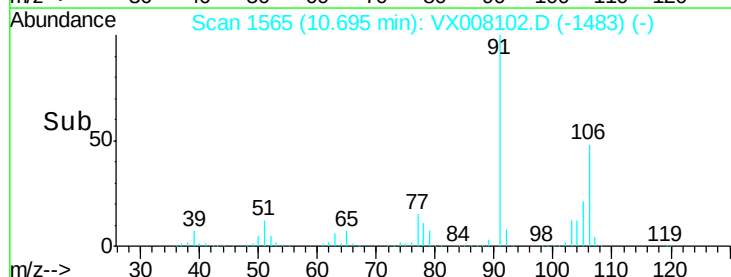
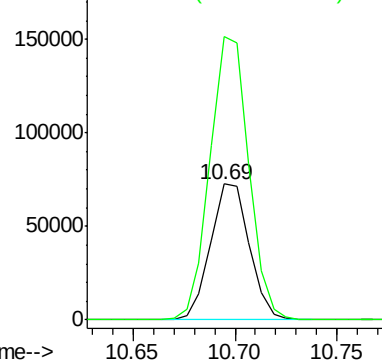
106 100

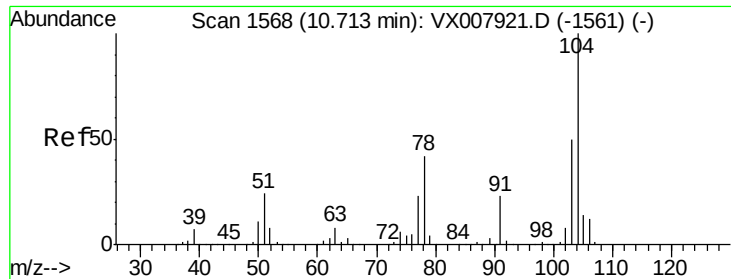
91 208.6 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





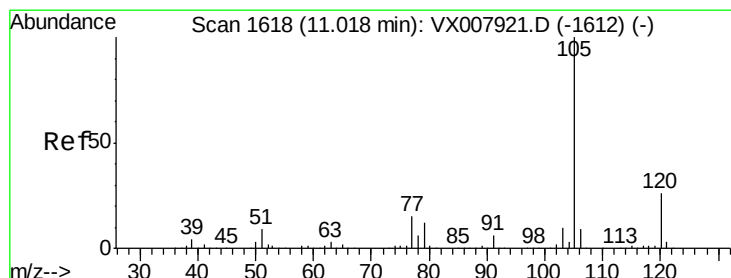
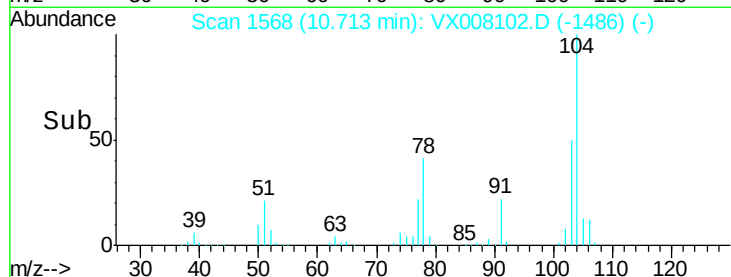
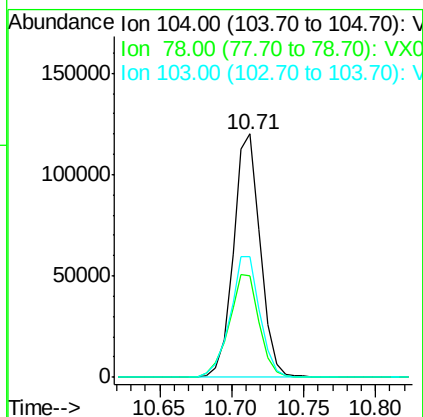
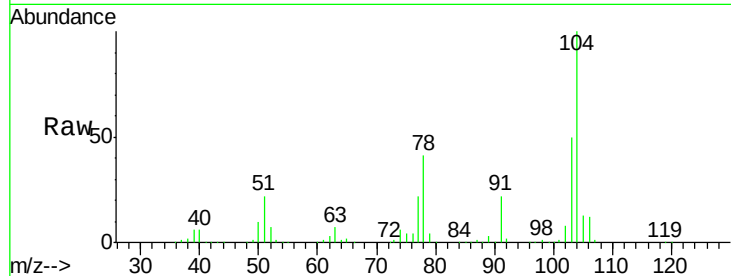
#69
Stvrene
Concen: 19.729 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.2	57.2
103	55.1	45.0	67.4

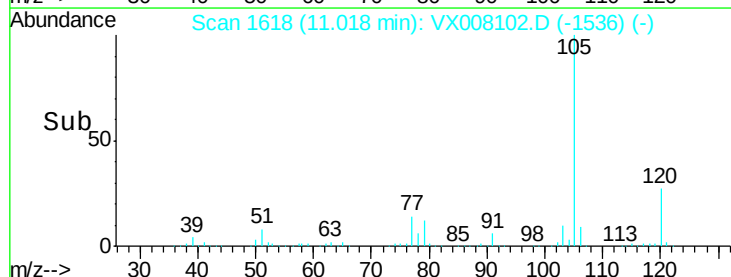
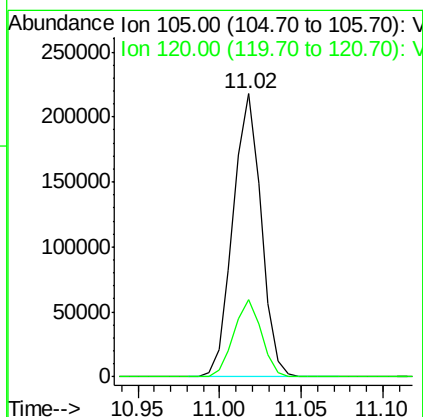
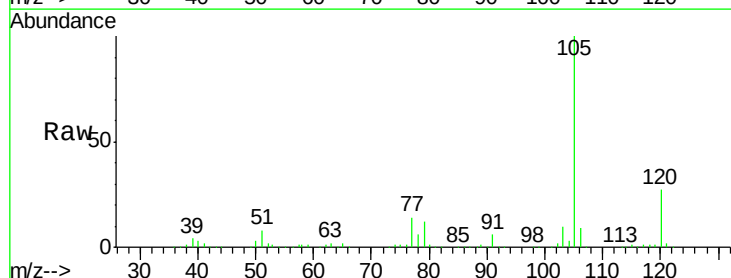
Manual Integrations
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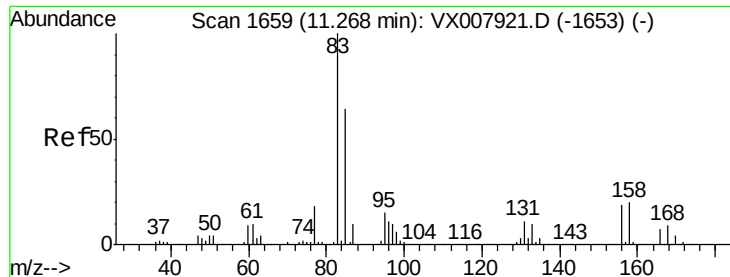
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3/16/2019 10:32:57 AM



#70
Isopropylbenzene
Concen: 20.425 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.8	36.8





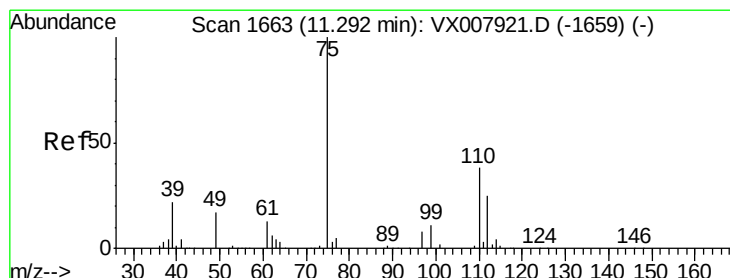
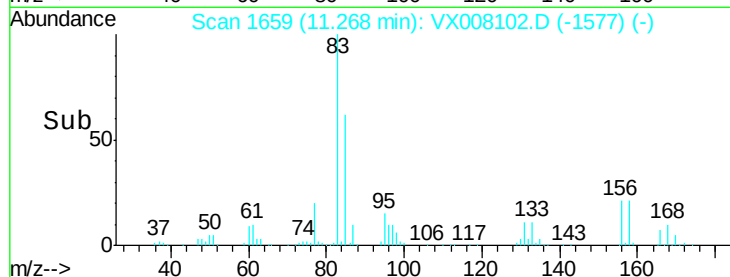
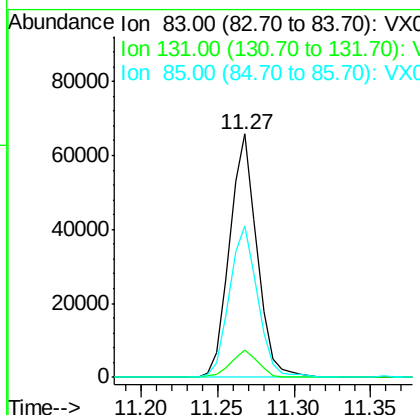
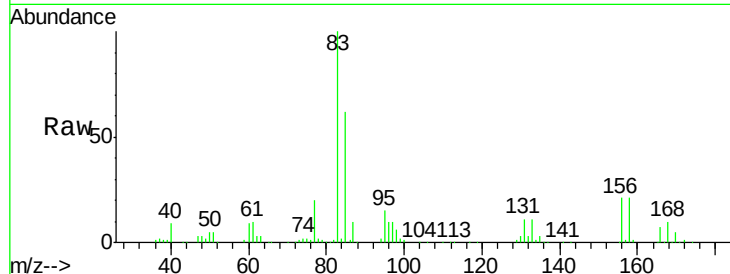
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.251 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.0	5.4	16.2	
85	64.2	32.8	98.4	

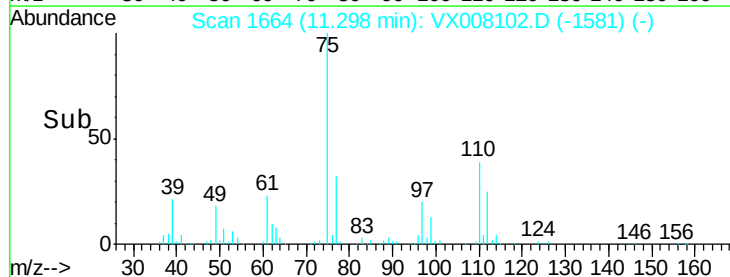
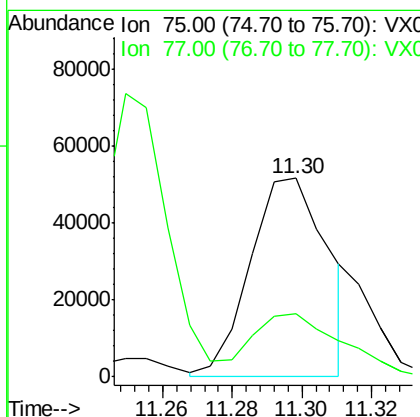
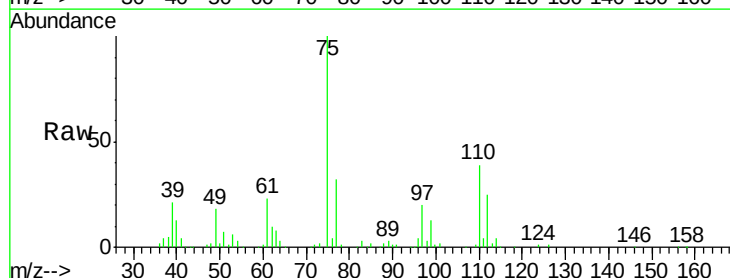
Manual Integrations
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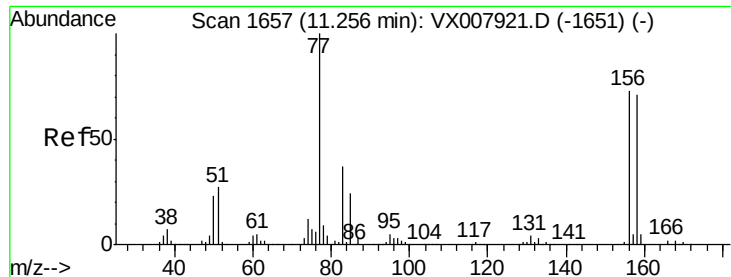
MMDadoda
 3/16/2019 10:32:57 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.922 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	37.9	0.0	76.4	





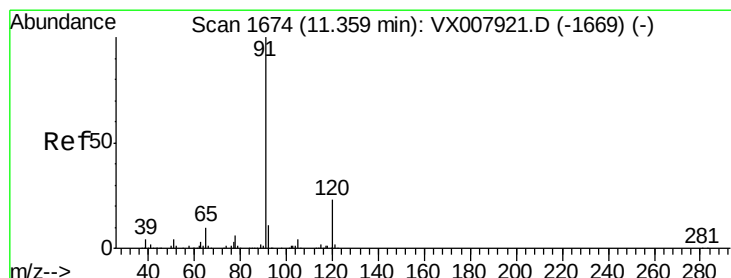
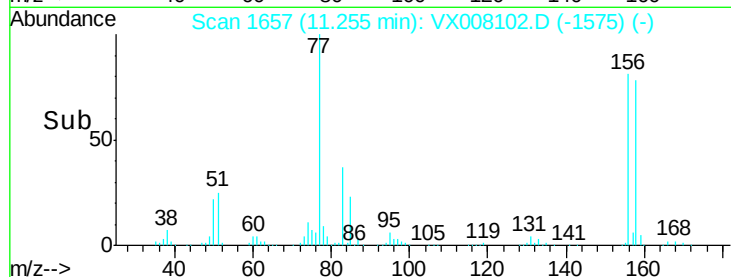
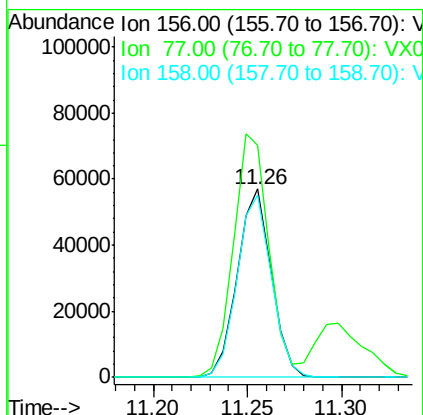
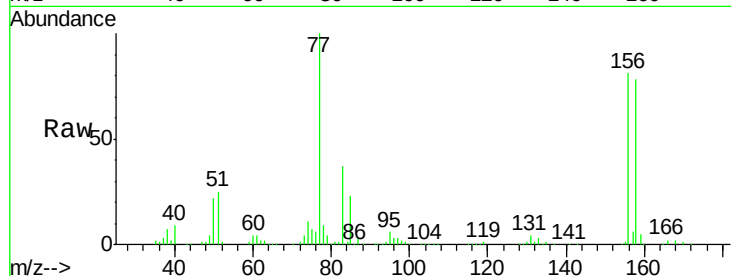
#73
Bromobenzene
Concen: 20.943 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.7	0.0	271.4
158	97.7	0.0	194.0

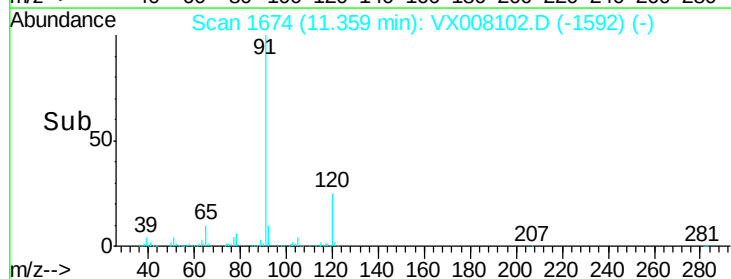
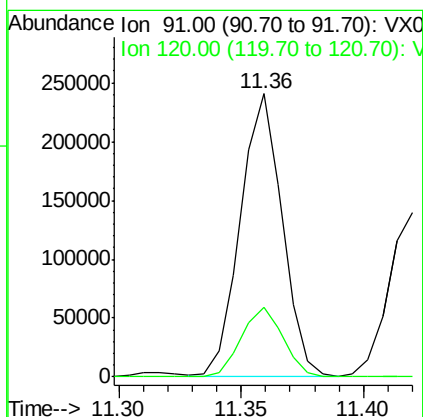
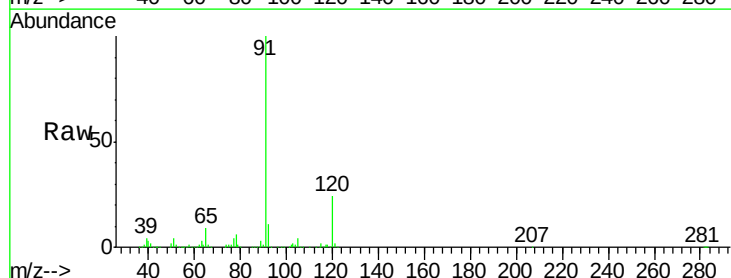
Manual Integrations
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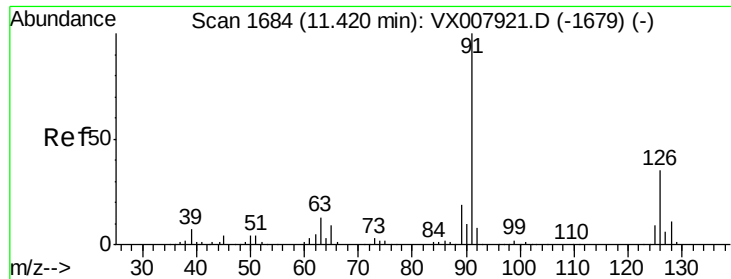
MMDadoda
3/16/2019 10:32:57 AM



#74
n-propylbenzene
Concen: 19.847 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.910 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 172965

Ion Ratio Lower Upper

91 100

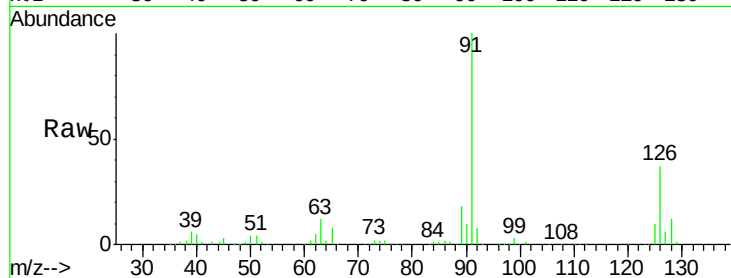
126 36.0 0.0 75.2

Manual Integrations

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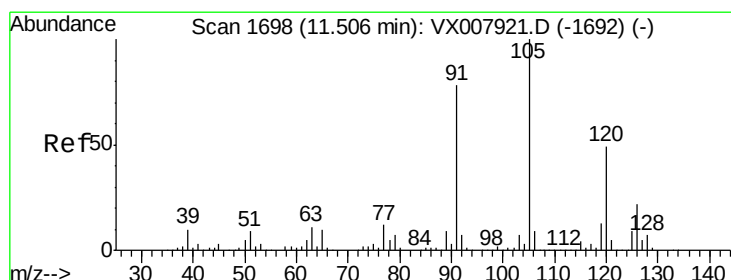
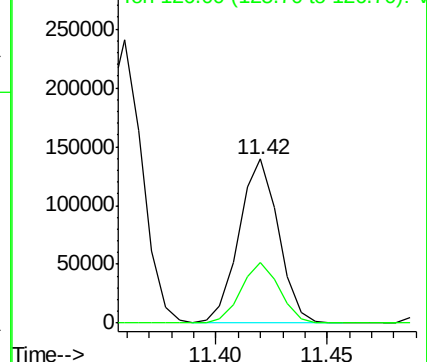
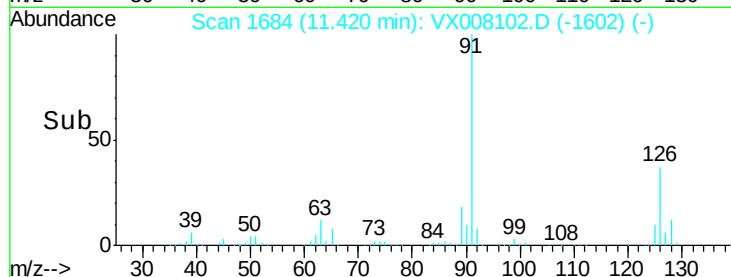
MMDadoda

3/16/2019 10:32:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.679 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008102.D

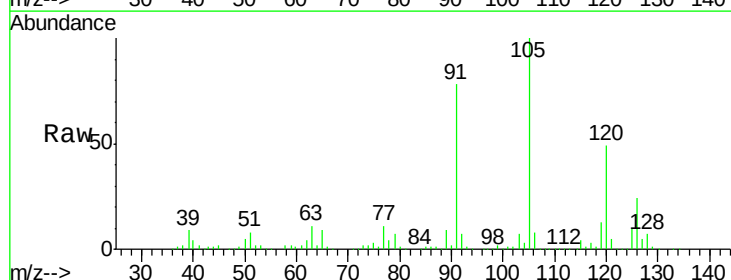
Acq: 15 Mar 2019 12:20

Tgt Ion:105 Resp: 220208

Ion Ratio Lower Upper

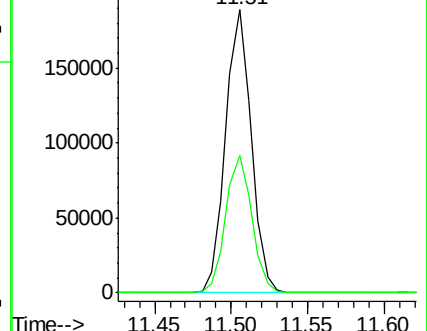
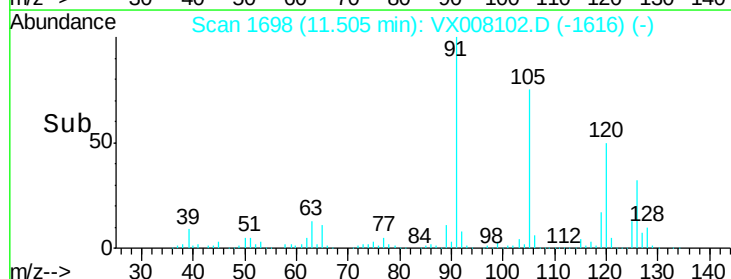
105 100

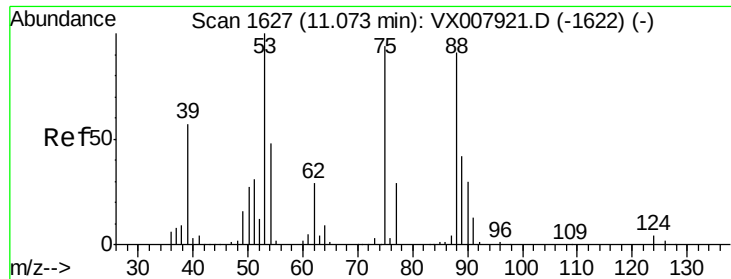
120 49.3 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 18.607 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

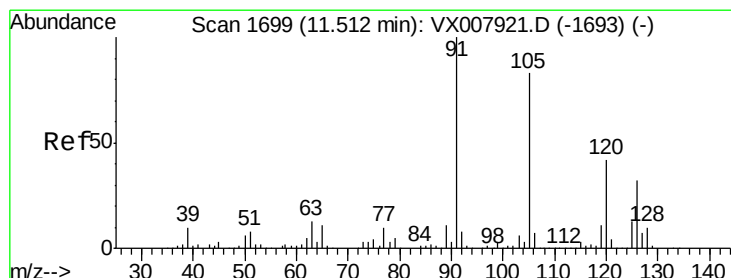
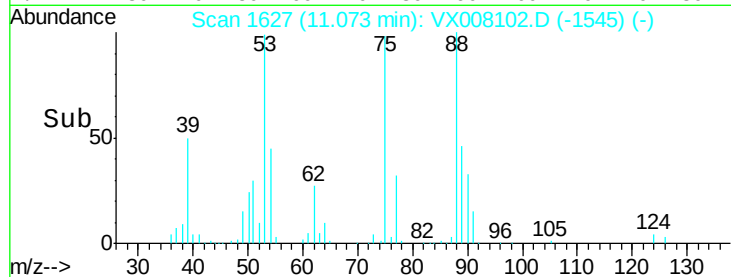
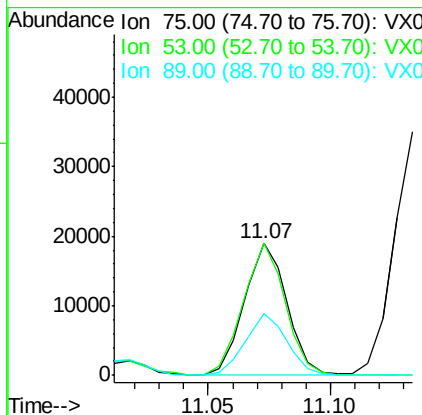
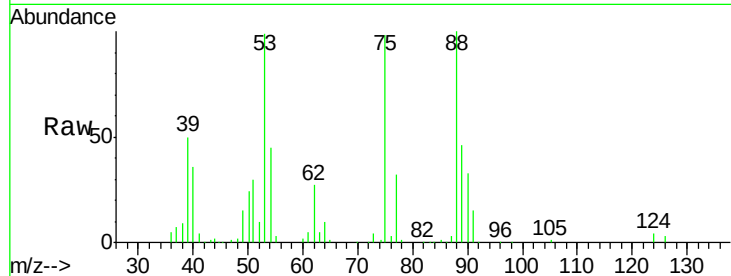
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	22997
Ion Ratio	Lower	Upper	
75	100		
53	100.8	55.5	166.7
89	47.3	24.4	73.2

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#78

4-Chlorotoluene

Concen: 19.953 ug/l

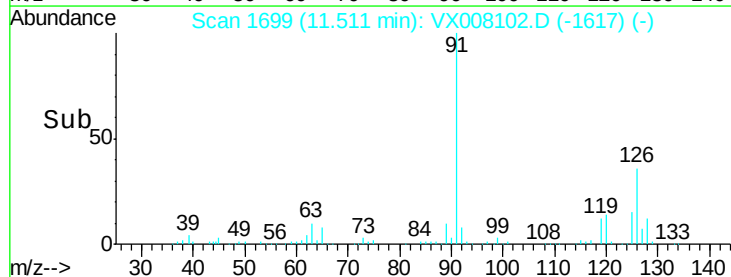
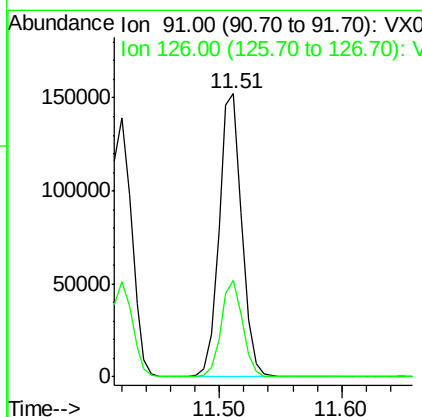
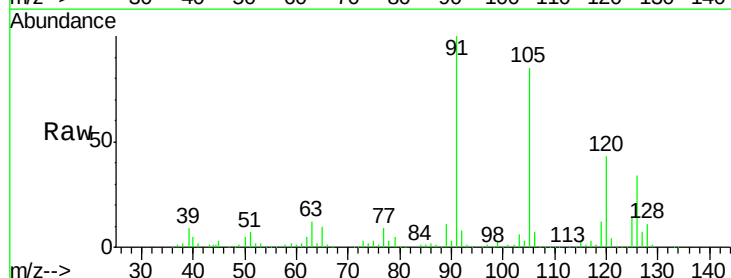
RT: 11.51 min Scan# 1699

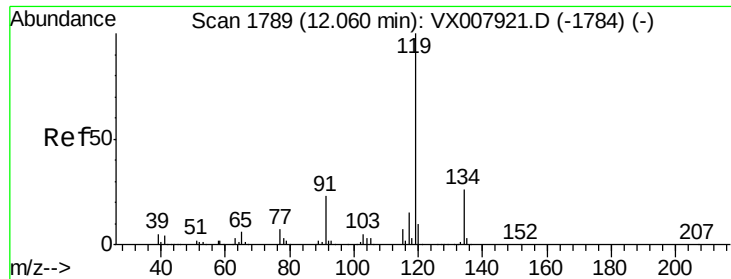
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	91	Resp:	195982
Ion Ratio	Lower	Upper	
91	100		
126	32.5	0.0	66.2





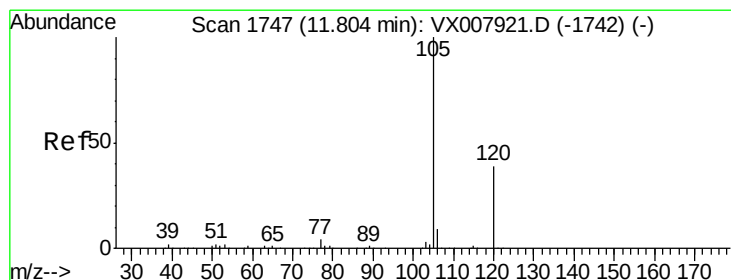
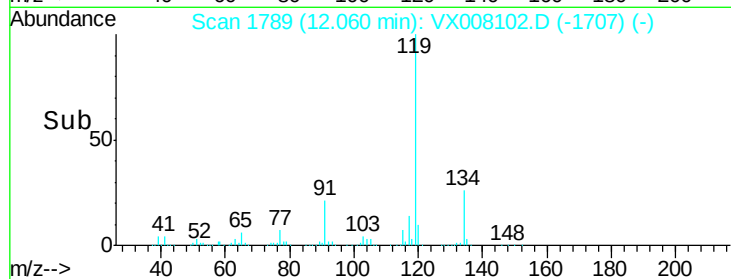
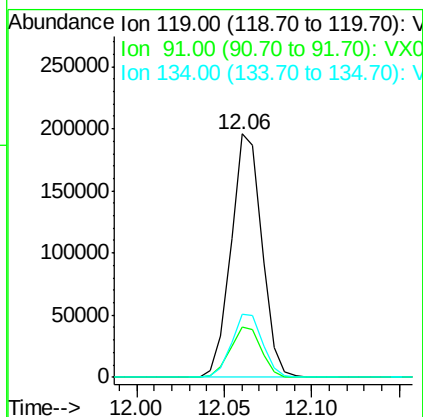
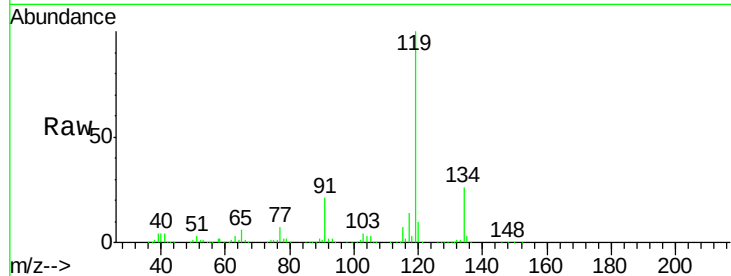
#79
tert-butylbenzene
Concen: 20.990 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239871		
91	20.9		0.0	45.0
134	26.0		0.0	55.4

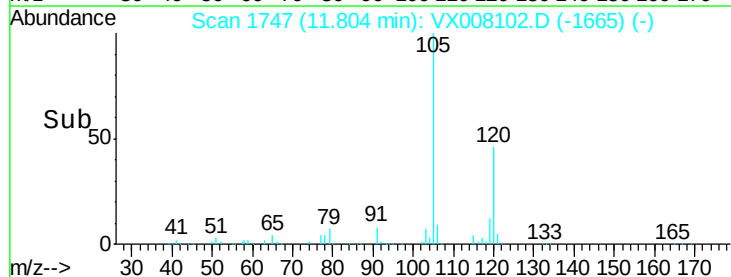
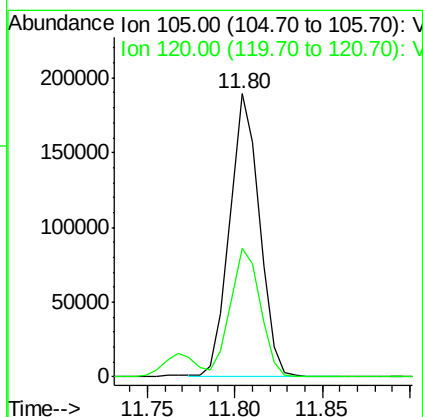
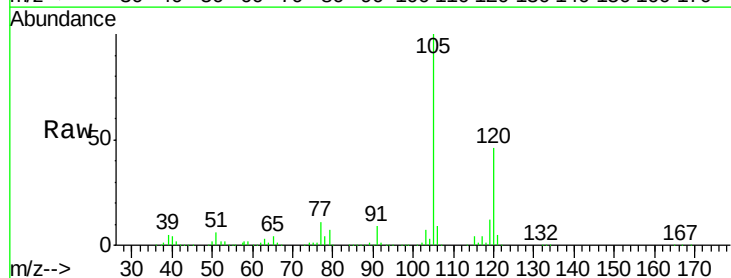
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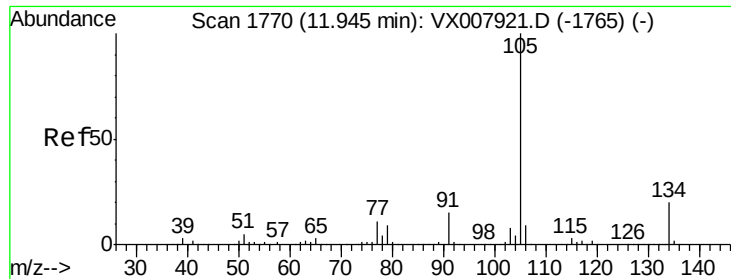
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#80
1,2,4-Trimethylbenzene
Concen: 20.762 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224397		
120	45.8		0.0	94.0





#81

sec-Butylbenzene

Concen: 20.305 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 259910

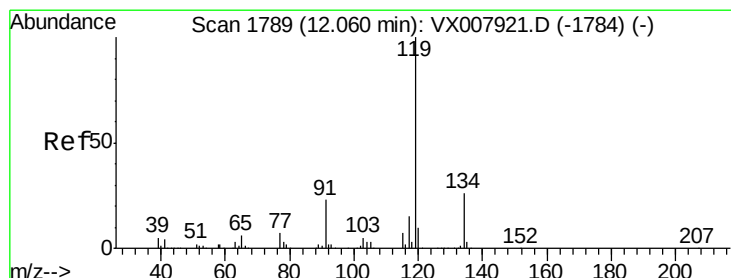
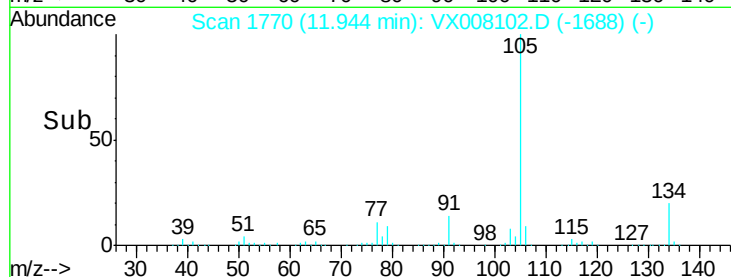
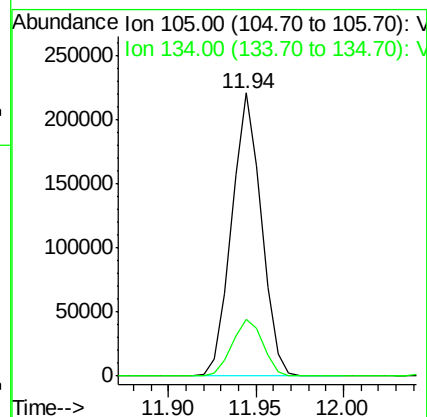
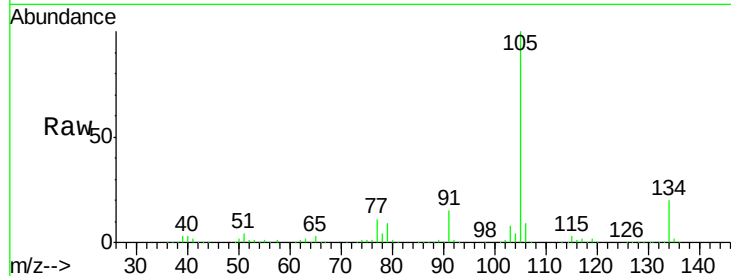
Ion Ratio Lower Upper

105 100

134 21.0 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 20.990 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

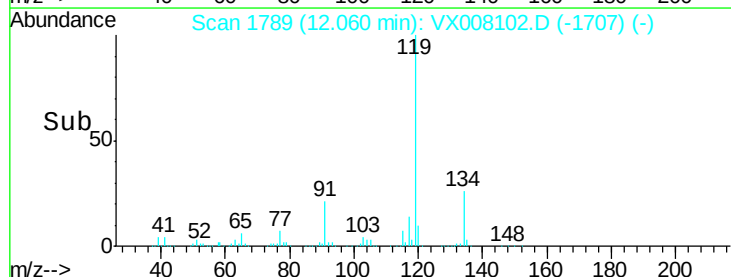
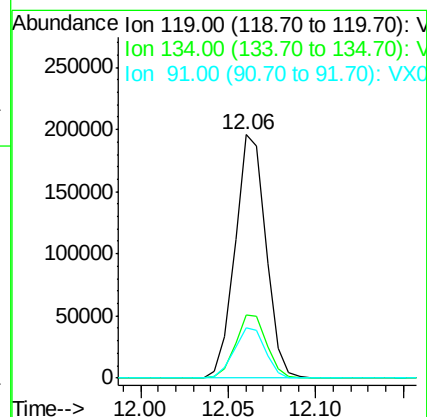
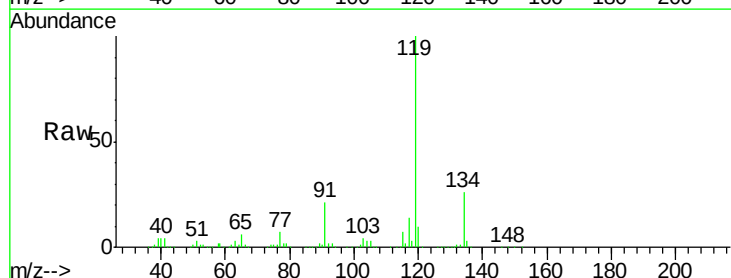
Tgt Ion:119 Resp: 239871

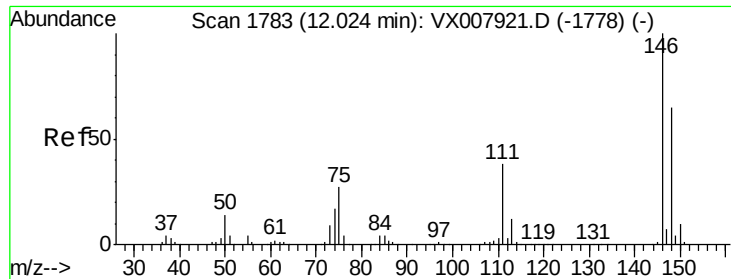
Ion Ratio Lower Upper

119 100

134 26.0 0.0 55.4

91 20.9 0.0 45.0





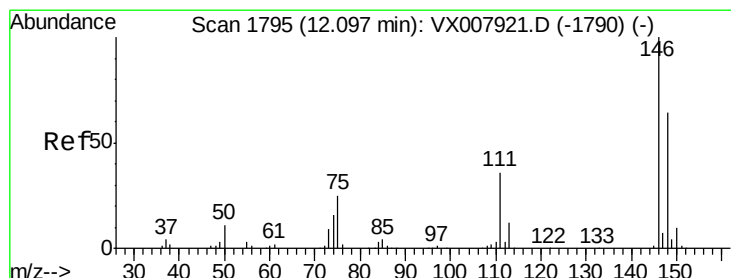
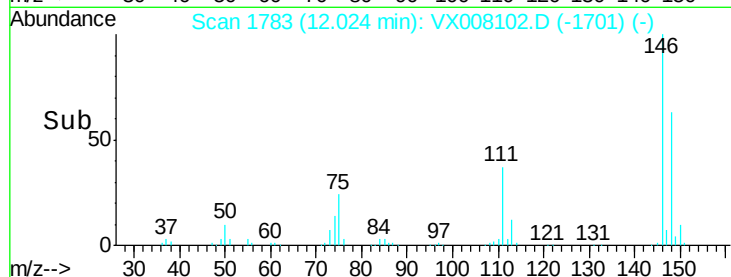
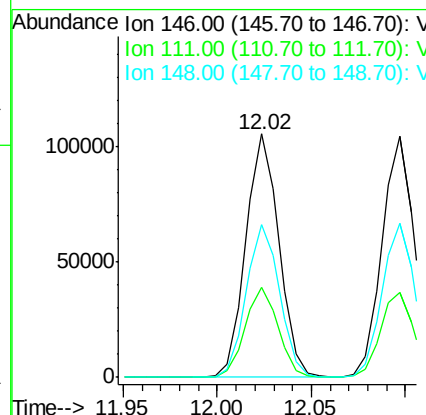
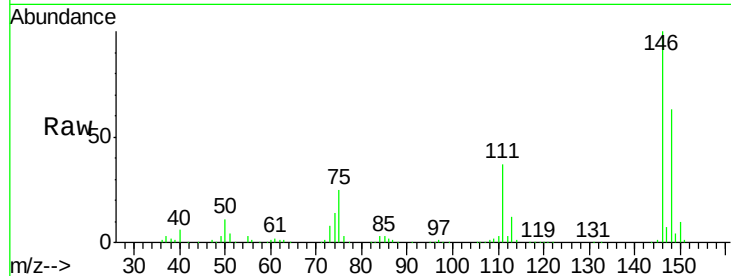
#83
 1,3-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	63.0	30.6	91.8

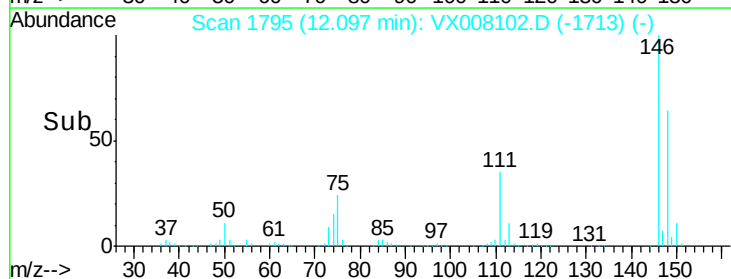
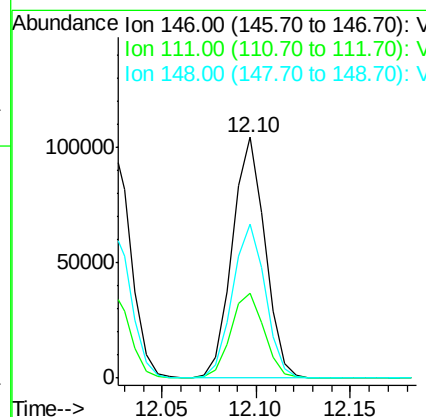
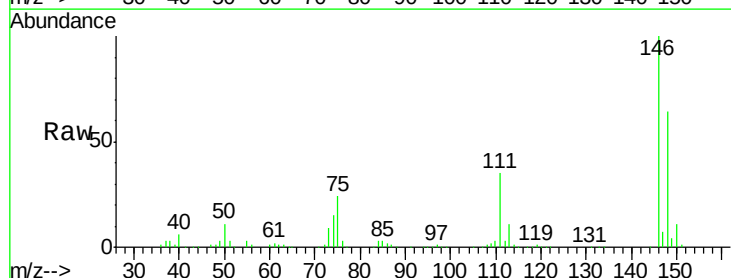
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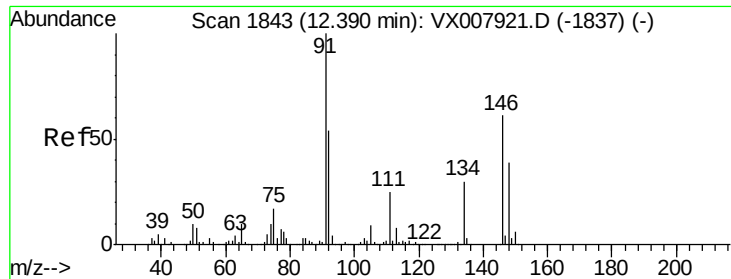
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#84
 1,4-Dichlorobenzene
 Concen: 20.678 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.6	52.8
148	64.5	31.4	94.2





#85

n-Butylbenzene

Concen: 19.692 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Instrument :

MSVOA_X

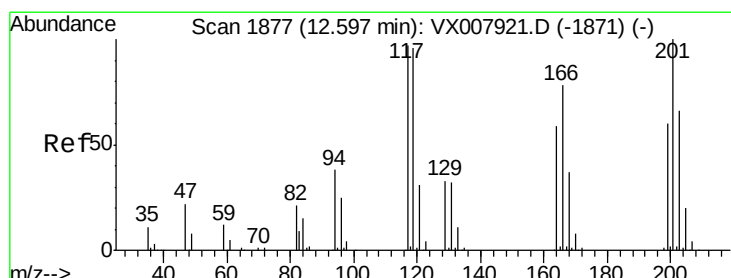
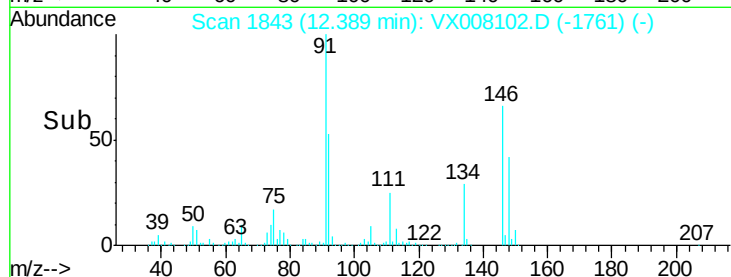
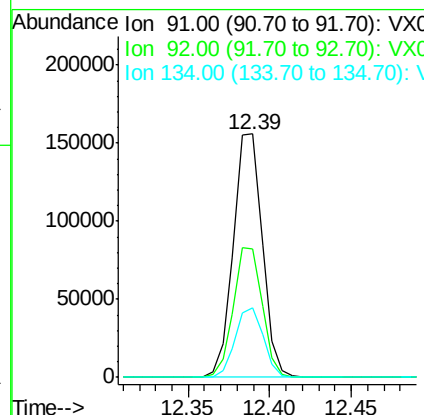
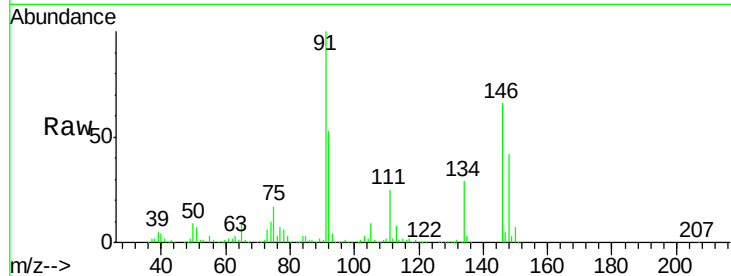
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	192457
Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	105.2
134	28.0	0.0	56.4

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#86

Hexachloroethane

Concen: 19.714 ug/l

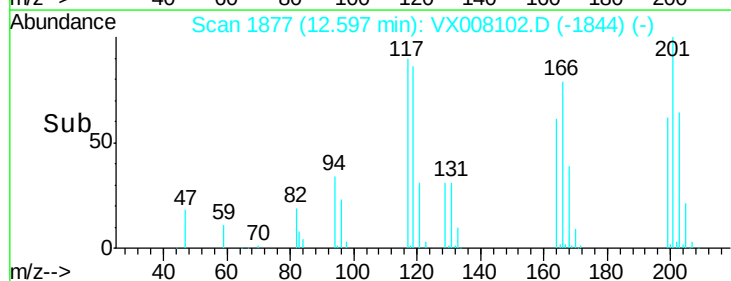
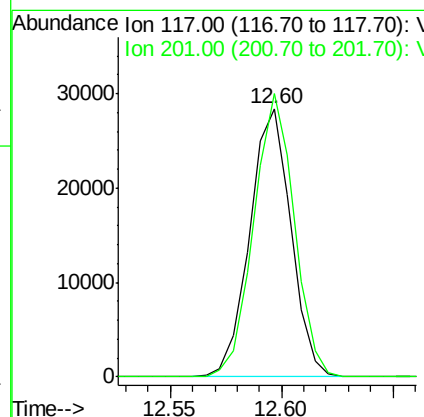
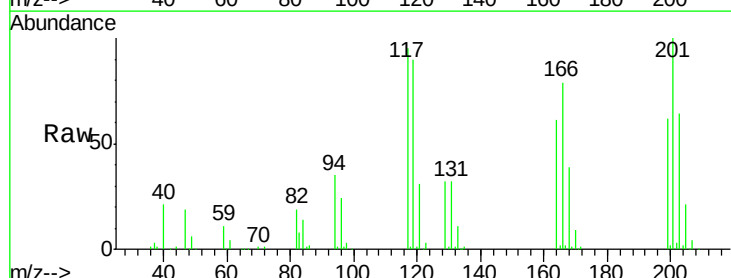
RT: 12.60 min Scan# 1877

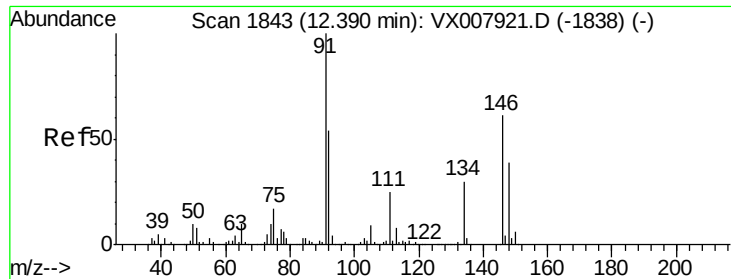
Delta R.T. -0.00 min

Lab File: VX008102.D

Acq: 15 Mar 2019 12:20

Tgt Ion:	117	Resp:	36707
Ion	Ratio	Lower	Upper
117	100		
201	103.6	41.1	123.3





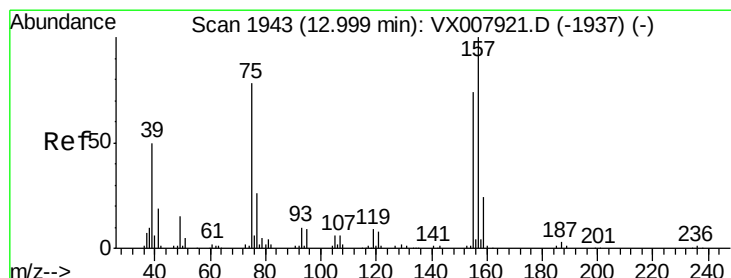
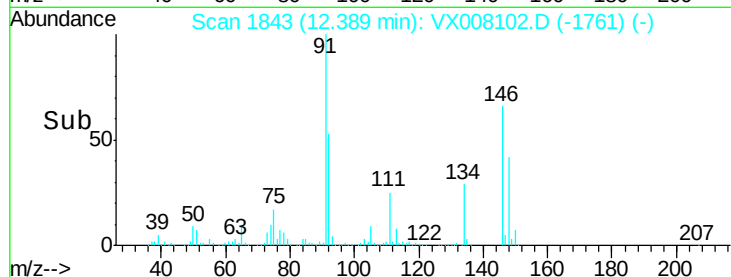
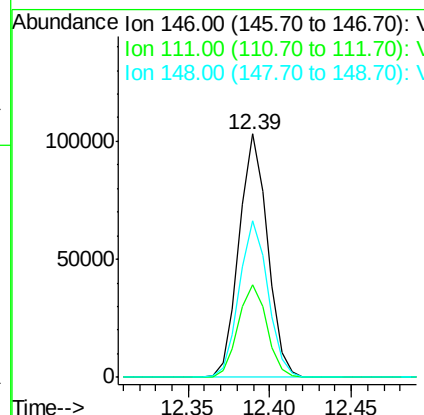
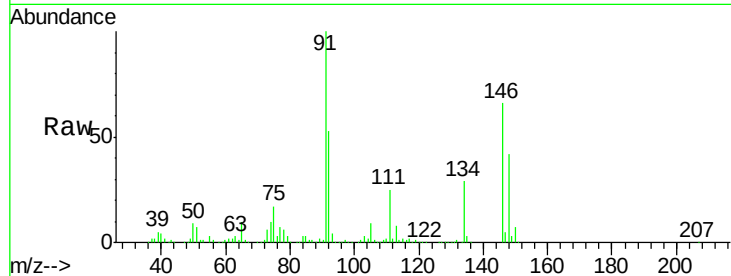
#87
 1,2-Dichlorobenzene
 Concen: 20.902 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	64.7	32.1	96.3

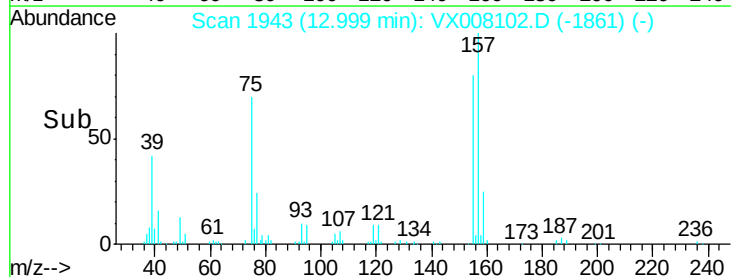
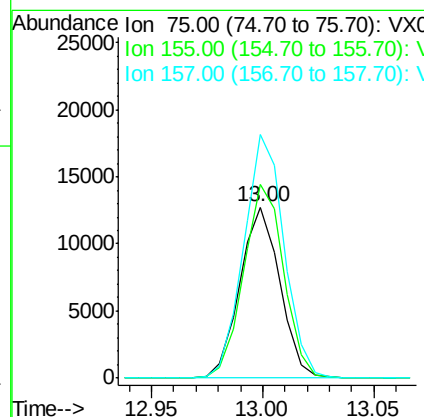
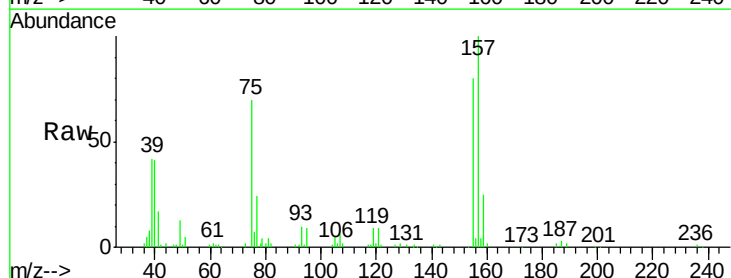
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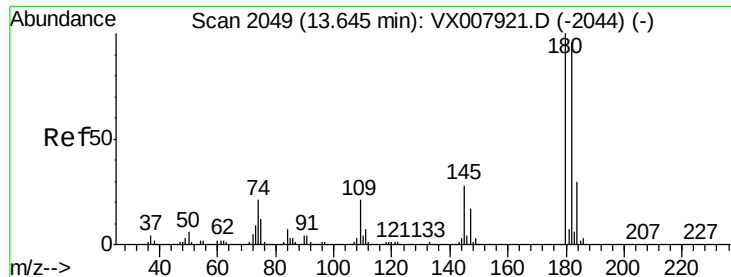
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.389 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008102.D
 Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.8	81.0	121.6
157	143.8	103.2	154.8





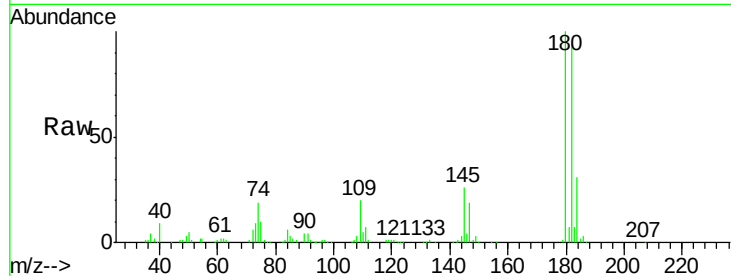
#89
1,2,4-Trichlorobenzene
Concen: 20.932 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

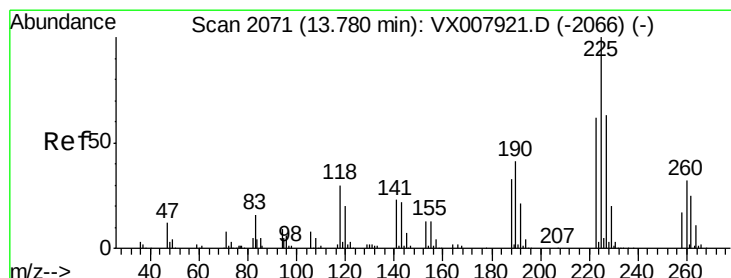
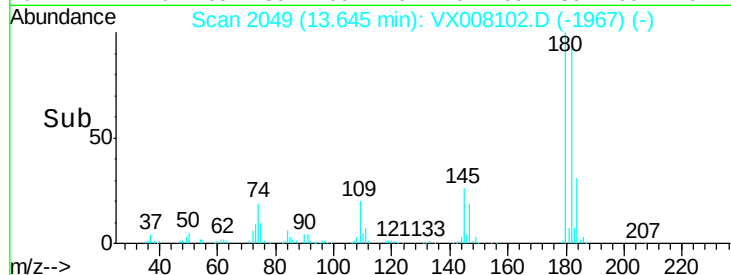
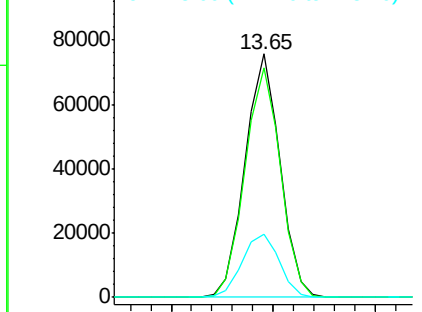
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.6	113.4
145	27.7	23.0	34.6

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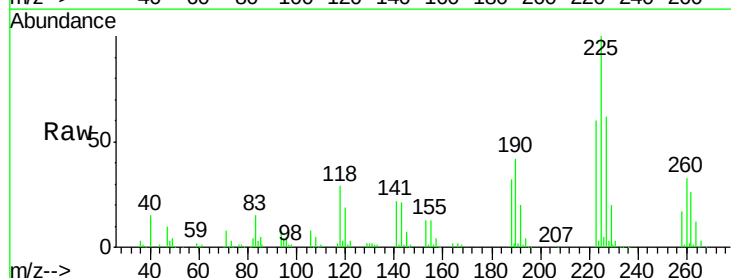


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

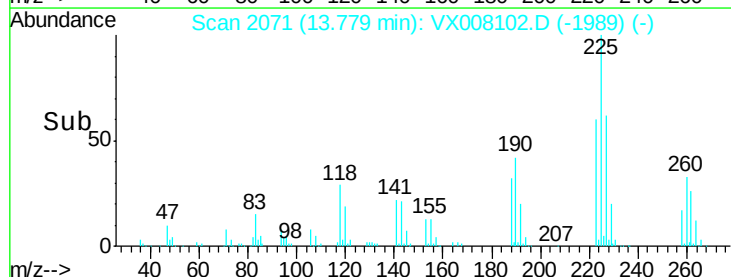
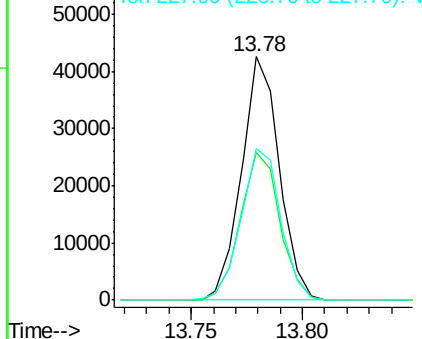


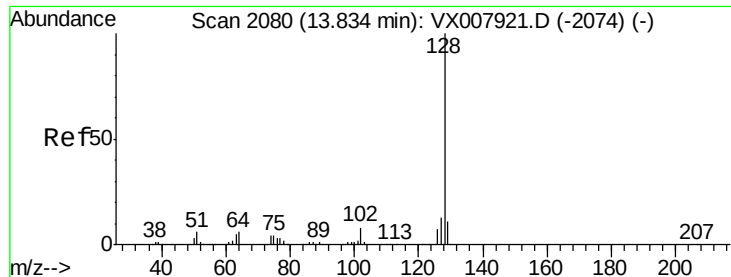
#90
Hexachlorobutadiene
Concen: 21.287 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	123.8
227	64.8	0.0	124.4



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





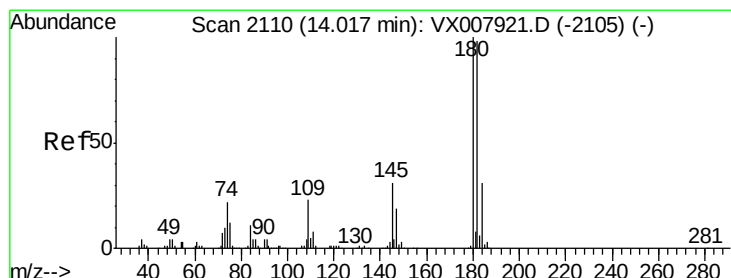
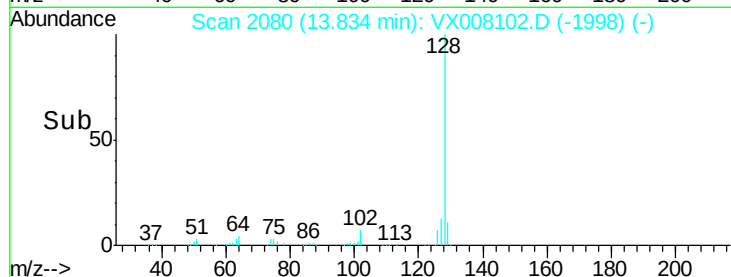
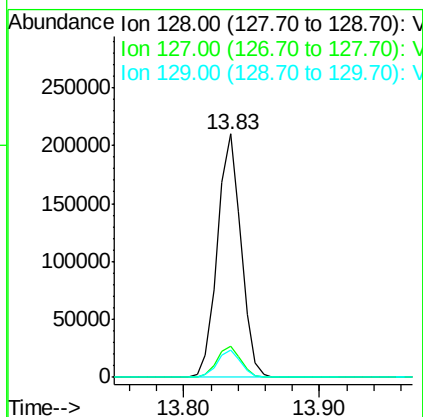
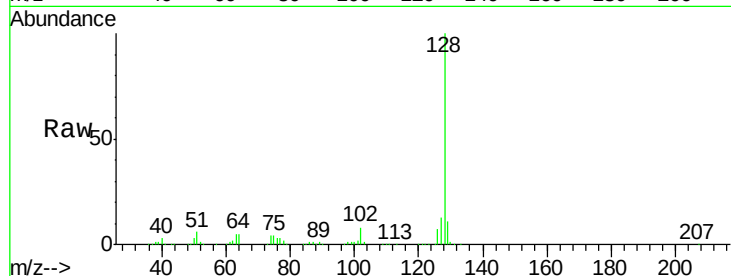
#91
Naphthalene
Concen: 20.378 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

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

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#92
1,2,3-Trichlorobenzene
Concen: 21.328 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008102.D
Acq: 15 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	193.0
145	29.1	0.0	63.0

