

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010112.D
 Acq On : 07 Jun 2019 16:40
 Operator : JC/SP
 Sample : VX0607WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:52:51 AM

Quant Time: Jun 08 03:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	466267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210699	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	152545	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
35) Dibromofluoromethane	5.49	113	148000	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
50) Toluene-d8	8.71	98	559584	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.13	95	208433	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	61214	21.780	ug/l	100
3) Chloromethane	1.33	50	57653	20.655	ug/l	97
4) Vinyl Chloride	1.41	62	54691	20.848	ug/l	100
5) Bromomethane	1.64	94	25020	25.274	ug/l	96
6) Chloroethane	1.72	64	33182	25.088	ug/l	99
7) Trichlorofluoromethane	1.93	101	82121	21.074	ug/l	99
8) Diethyl Ether	2.19	74	28291	21.064	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53917	20.072	ug/l	91
10) Methyl Iodide	2.51	142	82864	19.910	ug/l	96
11) Tert butyl alcohol	3.04	59	86392	118.281	ug/l	97
12) 1,1-Dichloroethene	2.37	96	54310	19.795	ug/l #	79
13) Acrolein	2.29	56	16764	125.874	ug/l	91
14) Allyl chloride	2.73	41	81441	19.665	ug/l #	88
15) Acrylonitrile	3.14	53	152979	102.470	ug/l	97
16) Acetone	2.44	43	135934	96.933	ug/l	89
17) Carbon Disulfide	2.57	76	153420	19.353	ug/l	98
18) Methyl Acetate	2.78	43	62060	20.123	ug/l #	81
19) Methyl tert-butyl Ether	3.20	73	176474	20.021	ug/l	92
20) Methylene Chloride	2.85	84	60987	19.802	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	58997	19.431	ug/l #	79
22) Diisopropyl ether	3.85	45	160314	20.247	ug/l #	92
23) Vinyl Acetate	3.81	43	728808	103.175	ug/l #	89
24) 1,1-Dichloroethane	3.70	63	94277	19.610	ug/l #	94
25) 2-Butanone	4.67	43	215919	103.399	ug/l #	80
26) 2,2-Dichloropropane	4.58	77	86204	19.655	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	68517	20.285	ug/l	79
28) Bromochloromethane	5.02	49	39239	18.212	ug/l #	48
29) Tetrahydrofuran	5.13	42	134433	102.437	ug/l #	74
30) Chloroform	5.21	83	99827	19.994	ug/l	99
31) Cyclohexane	5.58	56	88351	20.363	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	91374	19.467	ug/l	94
36) 1,1-Dichloropropene	5.80	75	74221	19.511	ug/l	92
37) Ethyl Acetate	4.84	43	78864	19.925	ug/l #	89
38) Carbon Tetrachloride	5.79	117	83951	19.498	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101060	19.510	ug/l #	84
40) Benzene	6.14	78	236441	20.101	ug/l	99
41) Methacrylonitrile	5.04	41	42567	19.882	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	73491	19.570	ug/l	94
43) Isopropyl Acetate	6.45	43	131318	19.843	ug/l #	88
44) Trichloroethene	7.21	130	69444	19.586	ug/l	87
45) 1,2-Dichloropropane	7.51	63	59105	20.076	ug/l	99
46) Dibromomethane	7.66	93	41996	19.040	ug/l	90
47) Bromodichloromethane	7.90	83	82673	20.059	ug/l	100
48) Methyl methacrylate	7.77	41	63098	20.388	ug/l #	78
49) 1,4-Dioxane	7.74	88	36403	412.547	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	415977	105.220	ug/l	89
52) Toluene	8.78	92	154265	19.951	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	92335	19.369	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	98308	19.236	ug/l	90
55) 1,1,2-Trichloroethane	9.21	97	64271	20.296	ug/l	96
56) Ethyl methacrylate	9.18	69	99706	19.932	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	99401	19.938	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	230851	97.894	ug/l #	87
59) 2-Hexanone	9.49	43	329158	104.425	ug/l	87
60) Dibromochloromethane	9.58	129	73787	19.699	ug/l	98
61) 1,2-Dibromoethane	9.67	107	68978	19.558	ug/l	99
64) Tetrachloroethene	9.34	164	60647	19.389	ug/l	98
65) Chlorobenzene	10.13	112	172717	19.871	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	65889	19.712	ug/l	98
67) Ethyl Benzene	10.25	91	296535	20.041	ug/l	94
68) m/p-Xylenes	10.36	106	228732	39.947	ug/l	91
69) o-Xylene	10.69	106	113243	19.896	ug/l	89
70) Styrene	10.71	104	192330	19.951	ug/l	95
71) Bromoform	10.85	173	61630	20.056	ug/l #	97
73) Isopropylbenzene	11.02	105	296462	20.156	ug/l	95
74) N-amyl acetate	10.90	43	118699	20.416	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	101379	20.136	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	86436m	20.510	ug/l	
77) Bromobenzene	11.26	156	79761	19.720	ug/l	84
78) n-propylbenzene	11.36	91	324405	19.812	ug/l	93
79) 2-Chlorotoluene	11.42	91	194770	19.805	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	248269	20.041	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	38330	20.095	ug/l #	83
82) 4-Chlorotoluene	11.51	91	223788	20.032	ug/l	92
83) tert-Butylbenzene	11.77	119	250582	19.985	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	249757	19.959	ug/l	96
85) sec-Butylbenzene	11.94	105	289841	19.841	ug/l	96
86) p-Isopropyltoluene	12.06	119	266627	19.965	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	139981	19.648	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	139195	19.382	ug/l	99
89) n-Butylbenzene	12.38	91	226594	19.712	ug/l	97
90) Hexachloroethane	12.59	117	51093	19.206	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	141170	20.382	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22925	19.350	ug/l	67

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	97124	19.157	ug/l	100
94) Hexachlorobutadiene	13.78	225	43787	19.420	ug/l	99
95) Naphthalene	13.83	128	318130	19.933	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	97866	19.523	ug/l	100

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

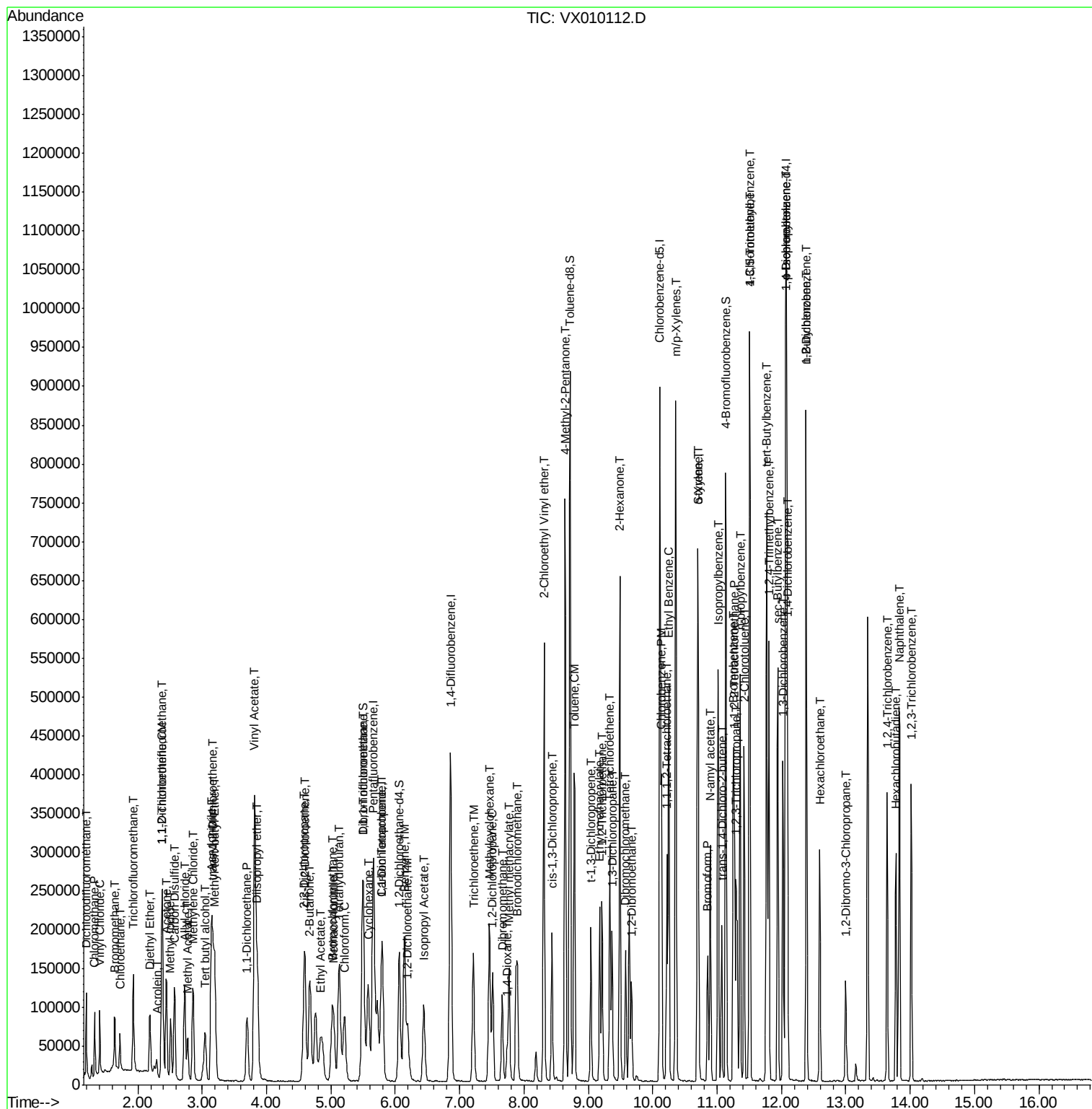
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060719\
Data File : VX010112.D
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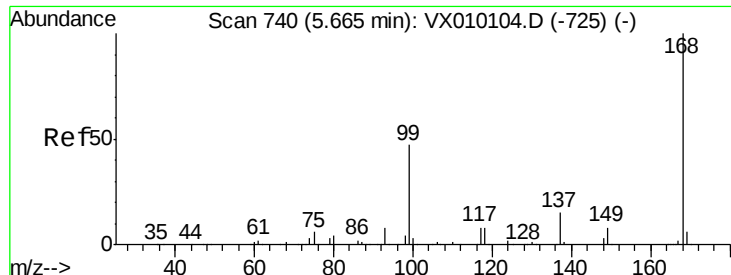
Instrument :
MSVOA_X
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion:168 Resp: 305451

Ion Ratio Lower Upper

168 100

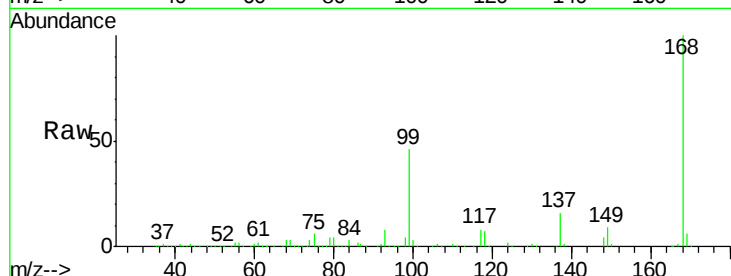
99 45.7 43.0 64.6

Manual Integrations

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6/10/2019 10:52:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

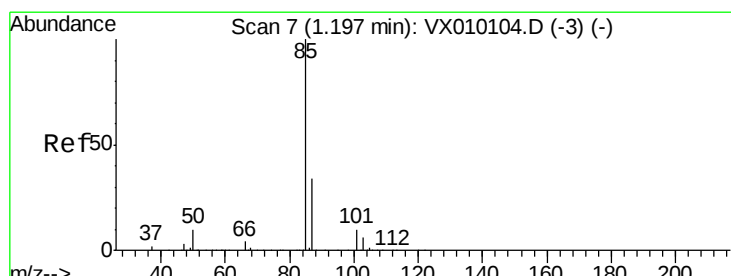
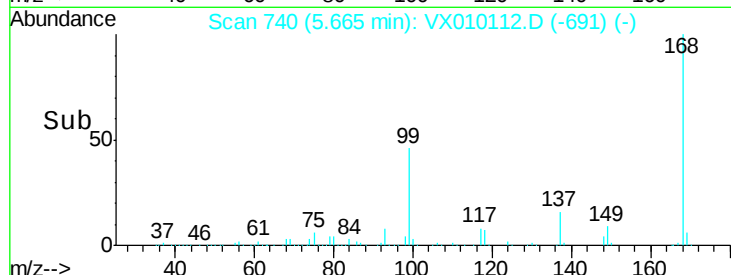
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.780 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010112.D

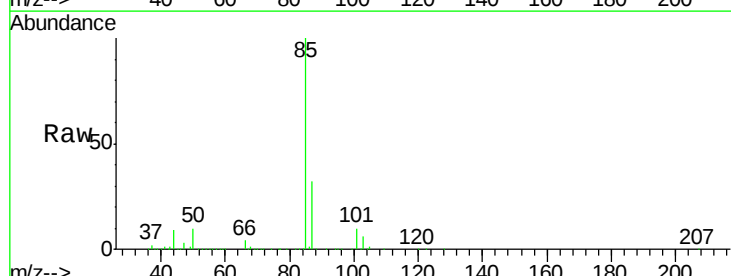
Acq: 07 Jun 2019 16:40

Tgt Ion: 85 Resp: 61214

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

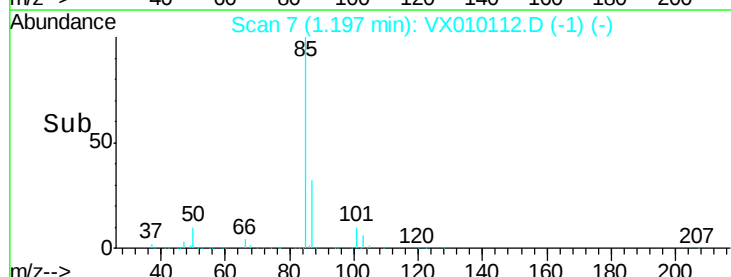
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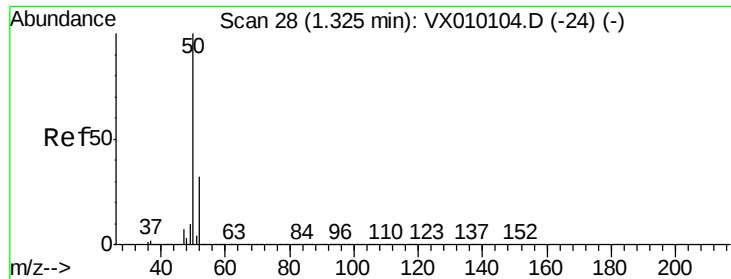
40000

20000

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Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.655 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 50 Resp: 57653

Ion Ratio Lower Upper

50 100

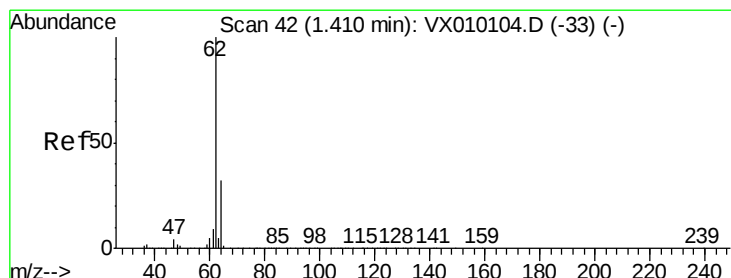
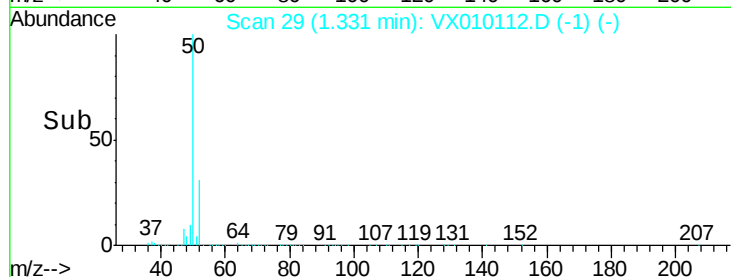
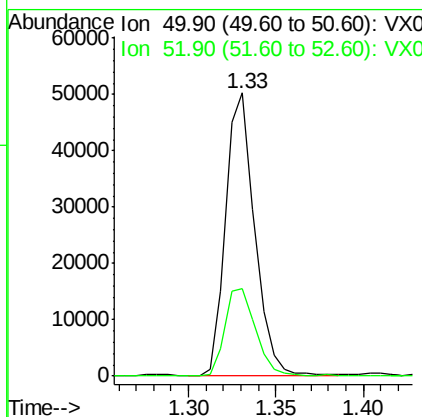
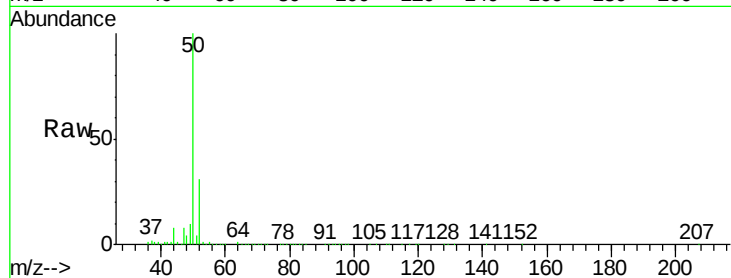
52 31.0 26.0 39.0

Manual Integrations

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6/10/2019 10:52:51 AM



#4

Vinyl Chloride

Concen: 20.848 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010112.D

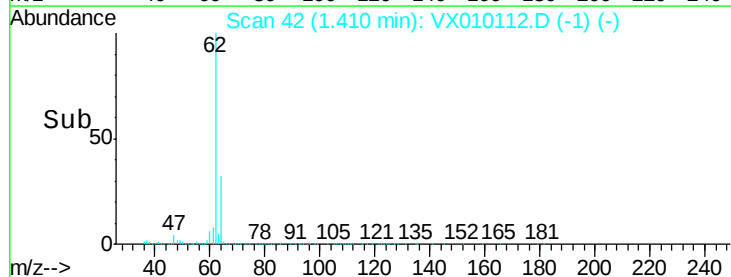
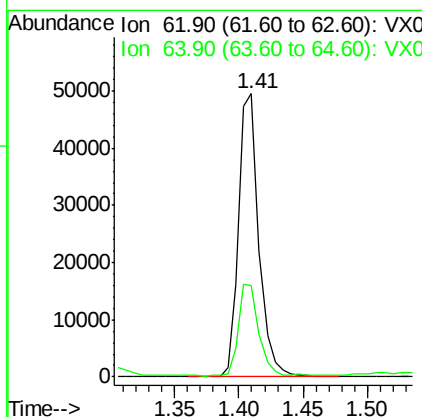
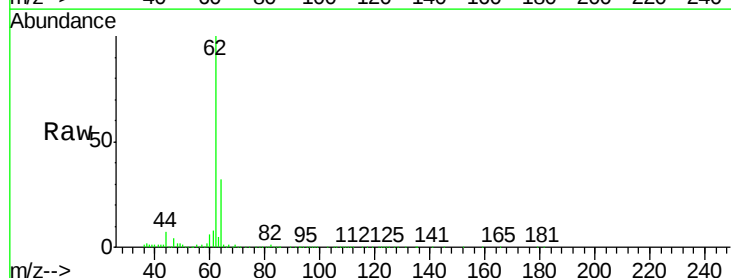
Acq: 07 Jun 2019 16:40

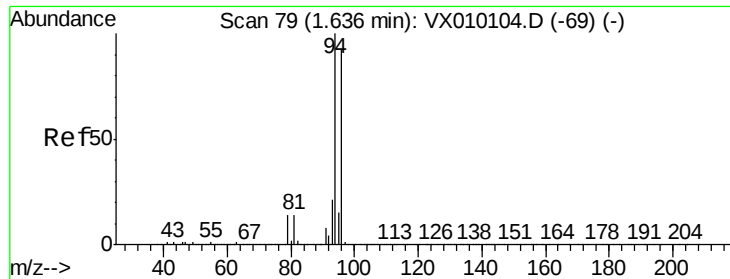
Tgt Ion: 62 Resp: 54691

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 25.274 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 94 Resp: 25020

Ion Ratio Lower Upper

94 100

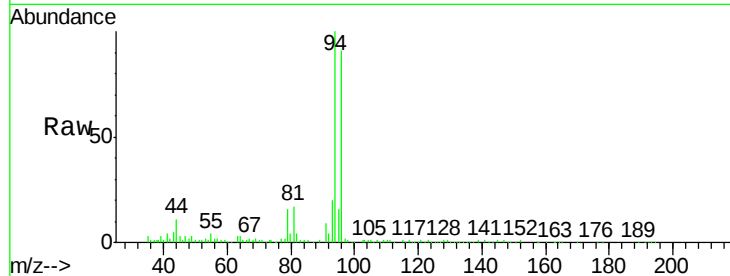
96 90.9 76.2 114.4

Manual Integrations

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6/10/2019 10:52:51 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

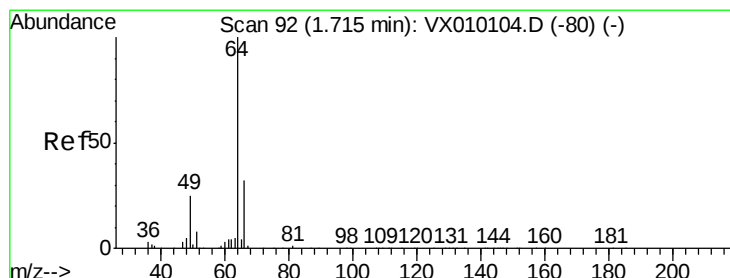
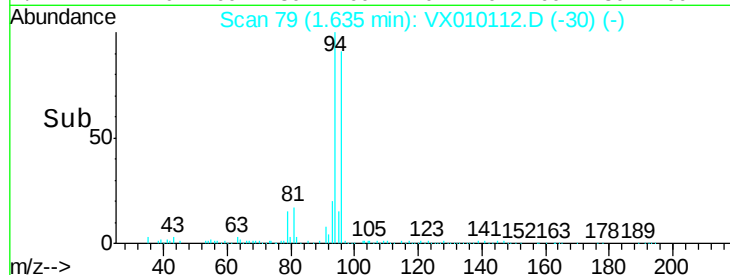
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5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 25.088 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010112.D

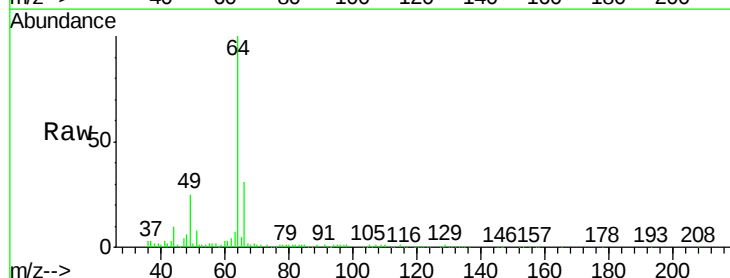
Acq: 07 Jun 2019 16:40

Tgt Ion: 64 Resp: 33182

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

15000

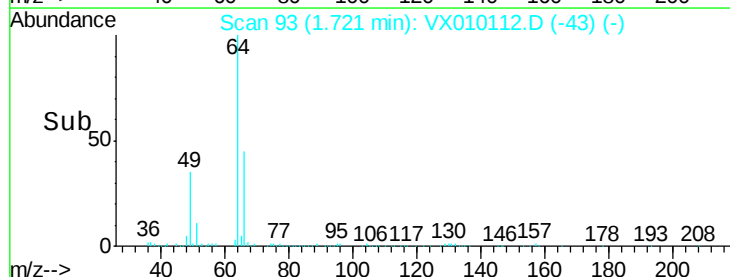
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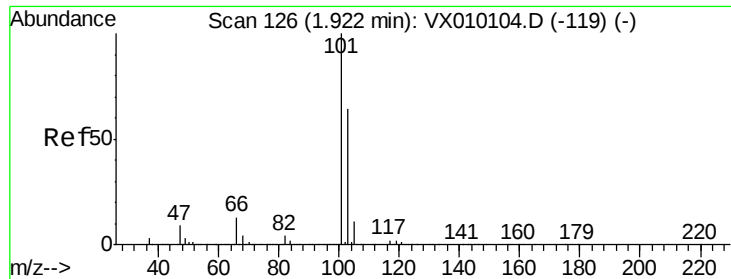
5000

0

Time-->

1.60 1.70 1.80





#7

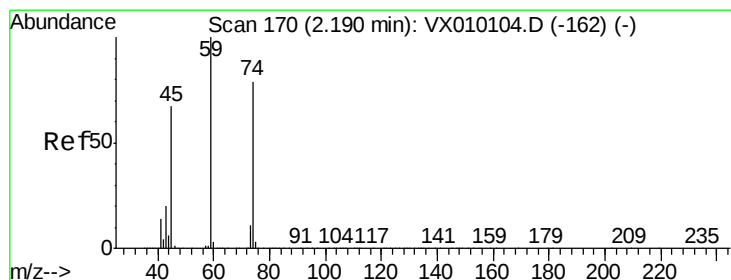
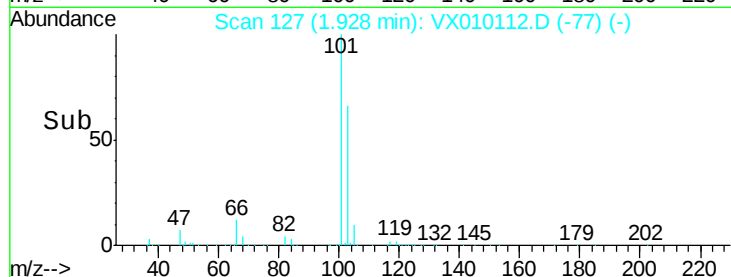
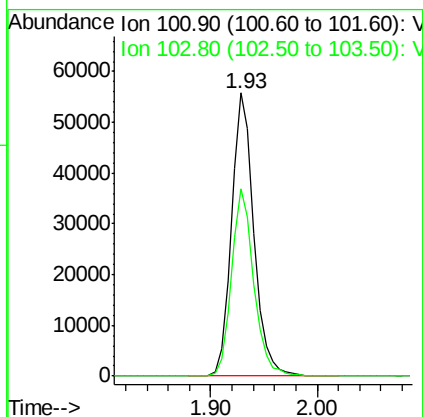
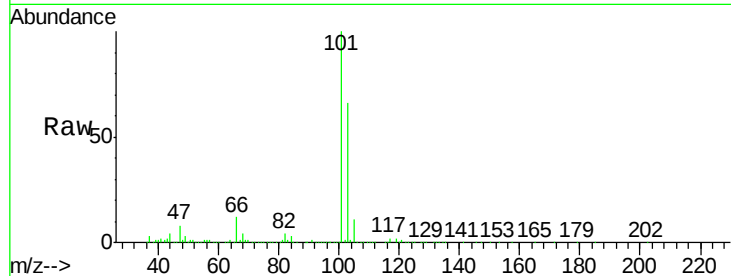
Trichlorofluoromethane
Concen: 21.074 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
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ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.4

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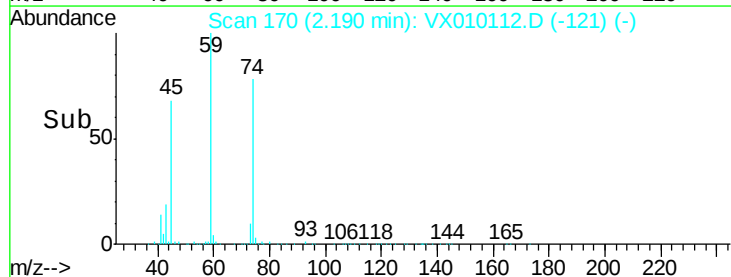
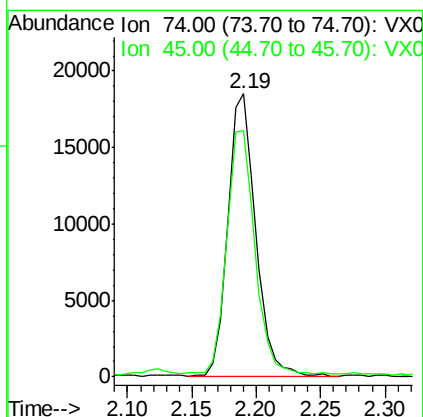
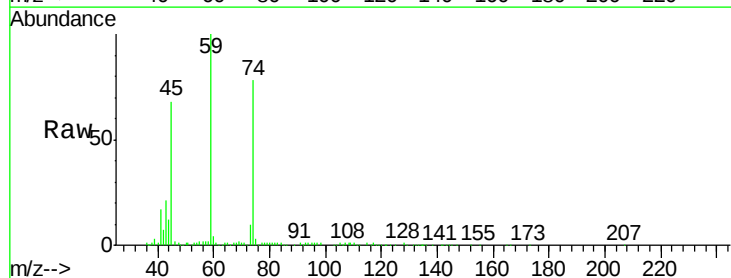
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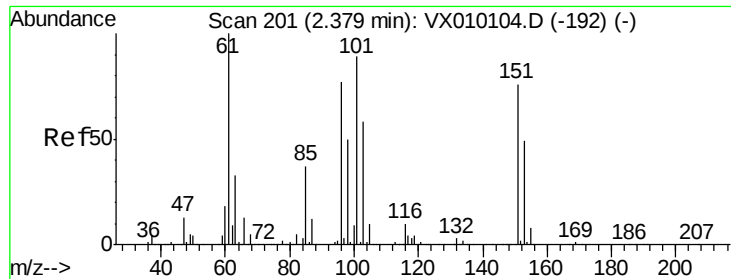


#8

Diethyl Ether
Concen: 21.064 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.8	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.072 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

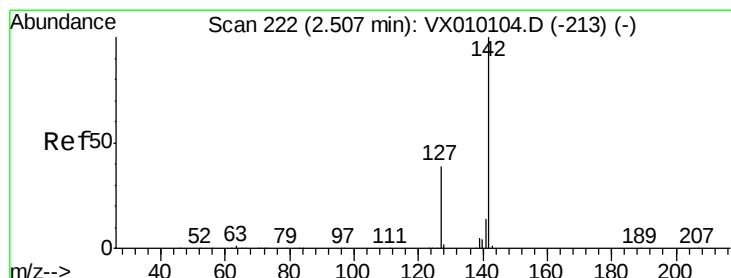
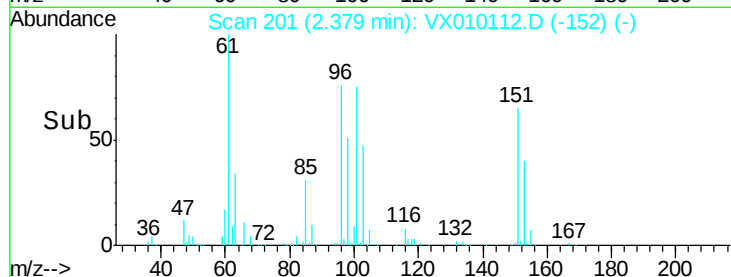
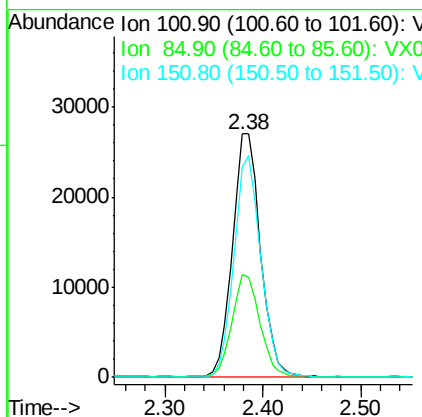
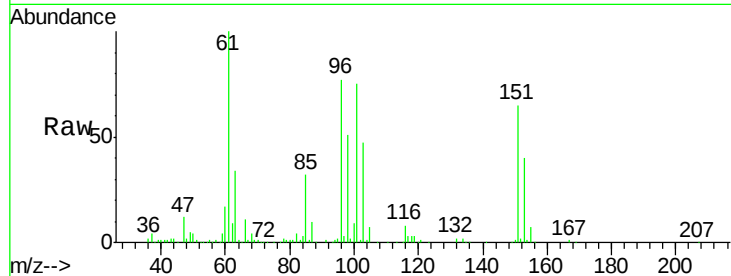
ClientSampleId :

VX0607WBS01

Tot Ion:	101	Resp:	53917
Ion Ratio	Lower	Upper	
101	100		
85	41.8	35.2	52.8
151	87.8	61.9	92.9

Manual Integrations
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6/10/2019 10:52:51 AM



#10

Methyl Iodide

Concen: 19.910 ug/l

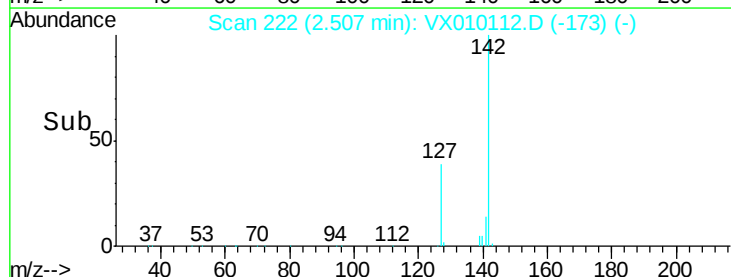
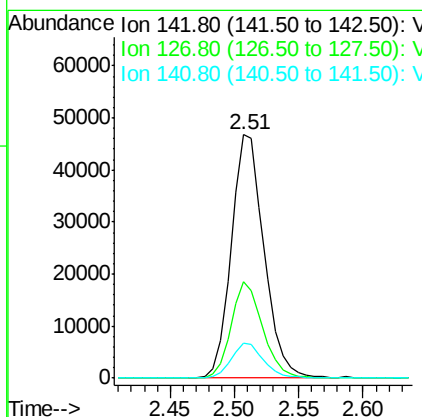
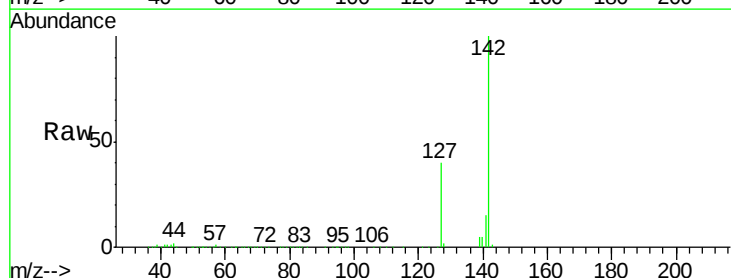
RT: 2.51 min Scan# 222

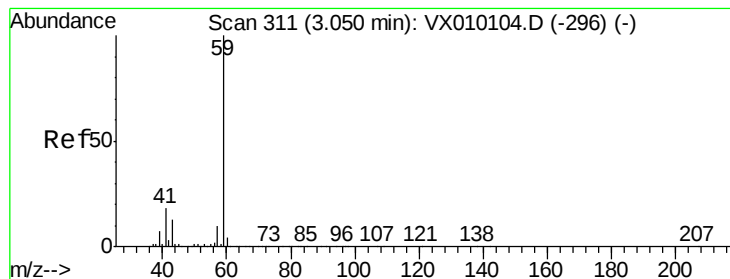
Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion:	142	Resp:	82864
Ion Ratio	Lower	Upper	
142	100		
127	38.2	33.0	49.4
141	14.2	11.4	17.0





#11

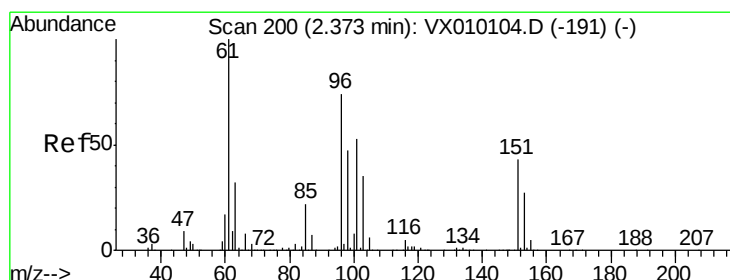
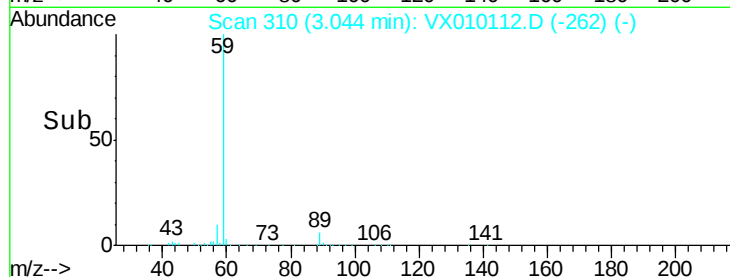
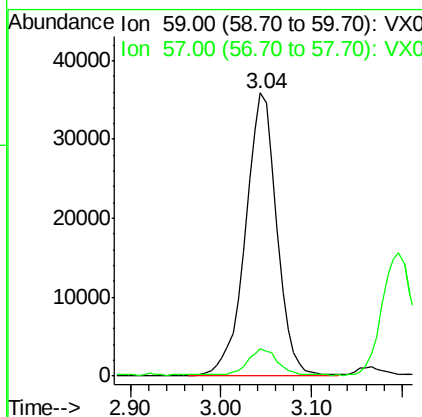
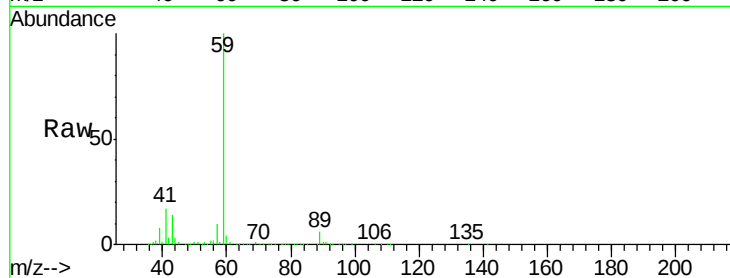
Tert butyl alcohol
Concen: 118.281 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	86392		
57	9.0		8.2	12.2

Manual Integrations
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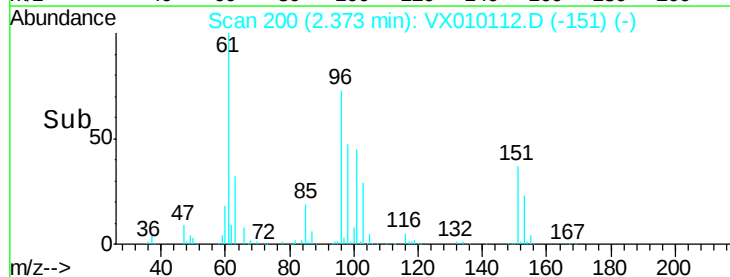
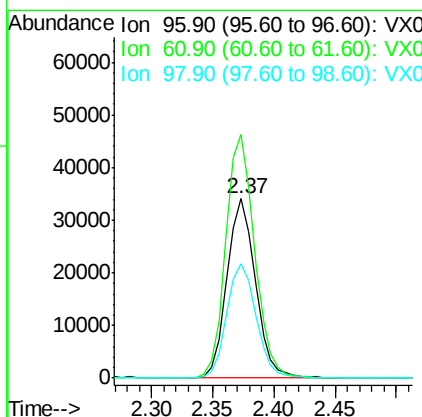
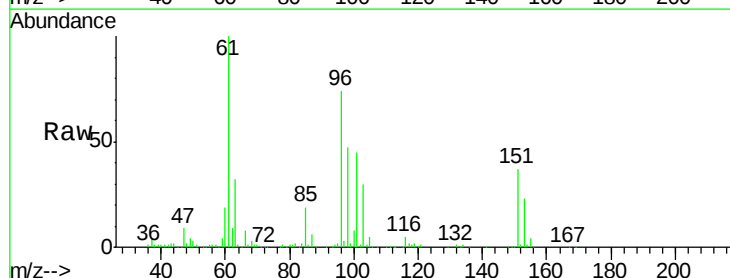
MMDadoda
6/10/2019 10:52:51 AM

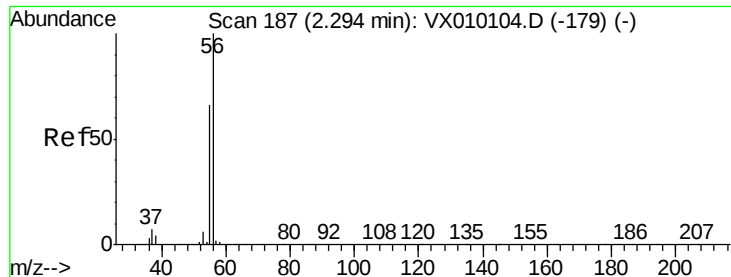


#12

1,1-Dichloroethene
Concen: 19.795 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54310		
61	135.9		140.7	211.1#
98	63.8		50.1	75.1





#13

Acrolein

Concen: 125.874 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 56 Resp: 16764

Ion Ratio Lower Upper

56 100

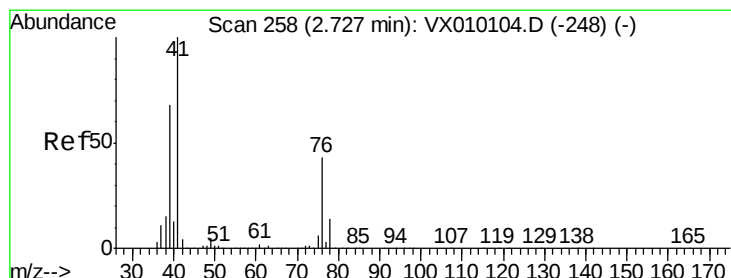
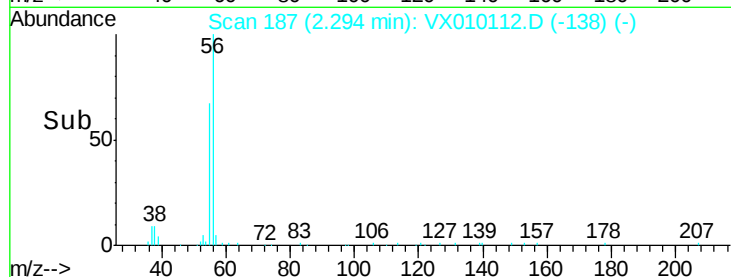
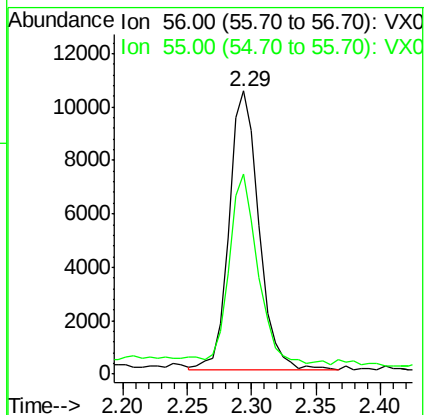
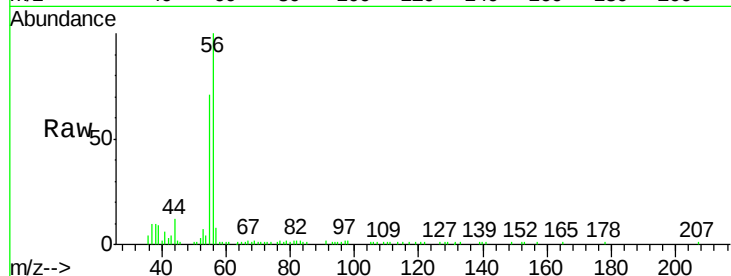
55 63.7 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:52:51 AM



#14

Allyl chloride

Concen: 19.665 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

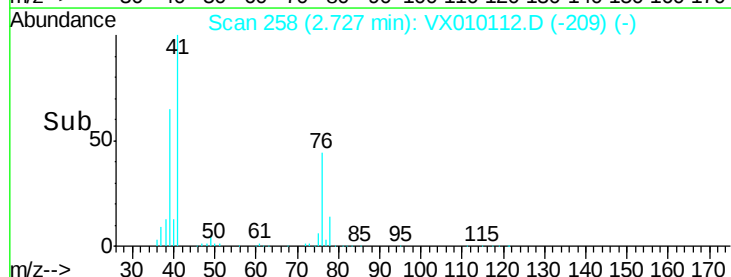
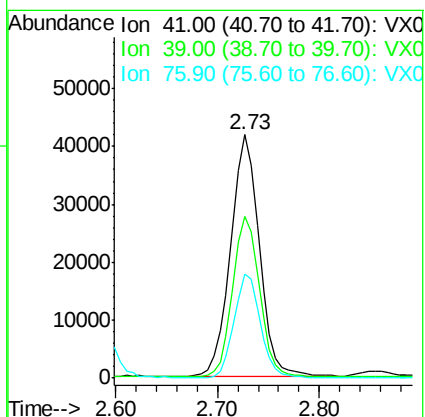
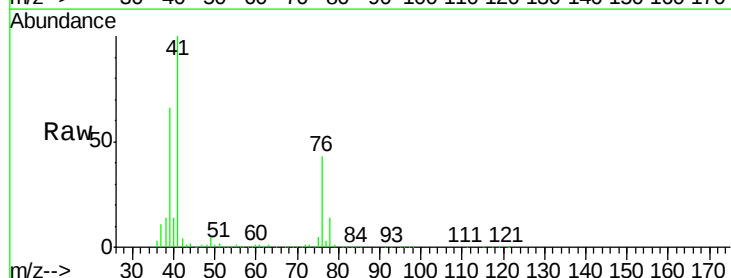
Tgt Ion: 41 Resp: 81441

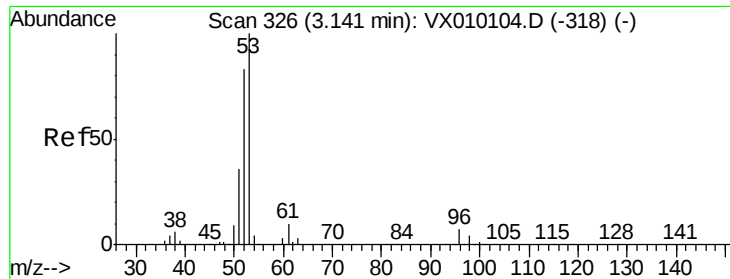
Ion Ratio Lower Upper

41 100

39 62.4 46.7 70.1

76 39.5 21.0 31.4#





#15

Acrylonitrile

Concen: 102.470 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

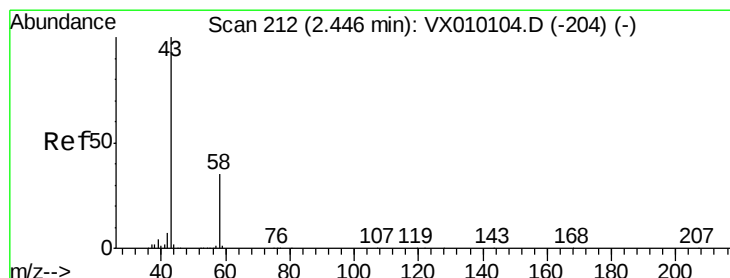
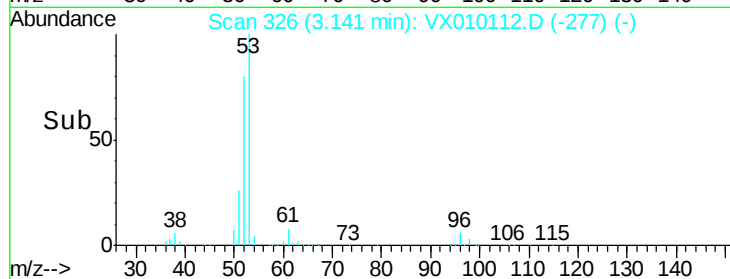
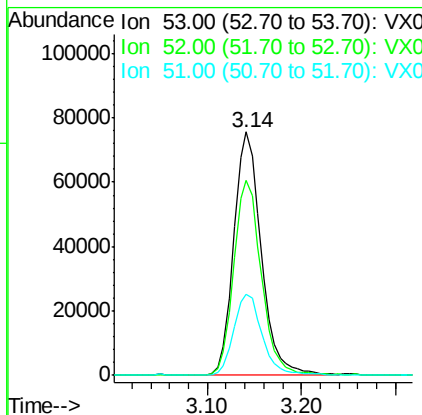
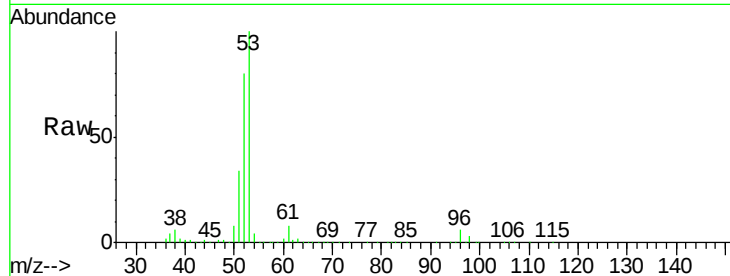
ClientSampleId :

VX0607WBS01

Tot Ion:	53	Resp:	152979
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.7	100.1
51	34.5	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 96.933 ug/l

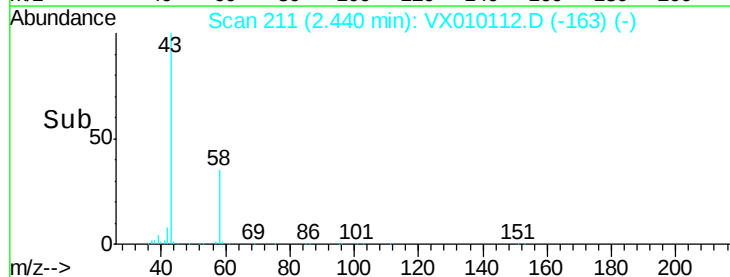
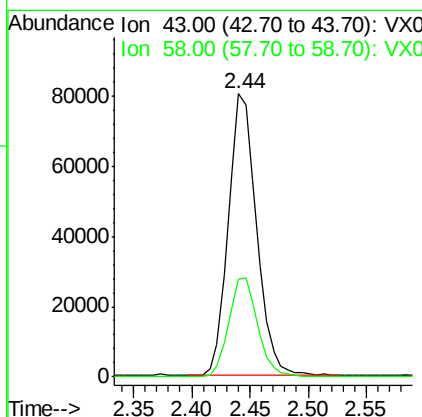
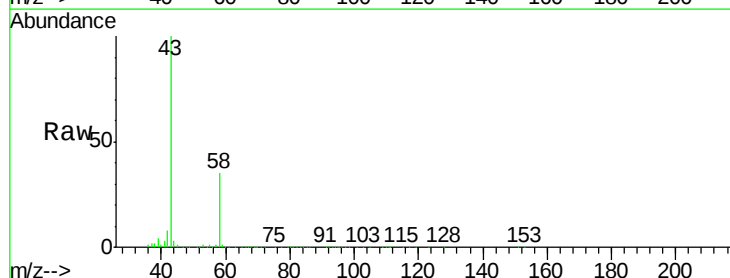
RT: 2.44 min Scan# 211

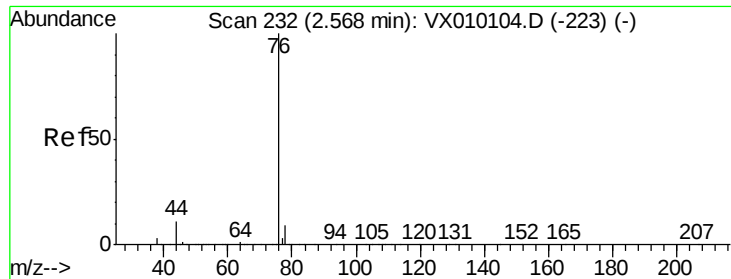
Delta R.T. -0.01 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion:	43	Resp:	135934
Ion	Ratio	Lower	Upper
43	100		
58	34.7	23.2	34.8





#17

Carbon Disulfide

Concen: 19.353 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 76 Resp: 153420

Ion Ratio Lower Upper

76 100

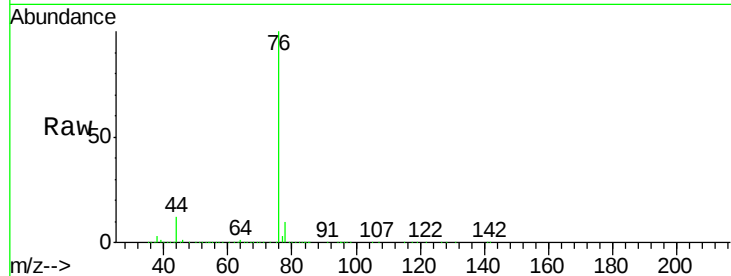
78 9.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

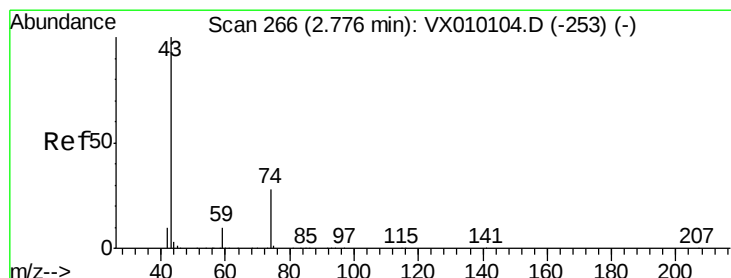
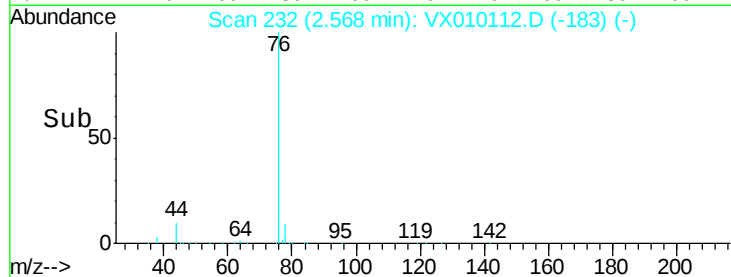
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.123 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010112.D

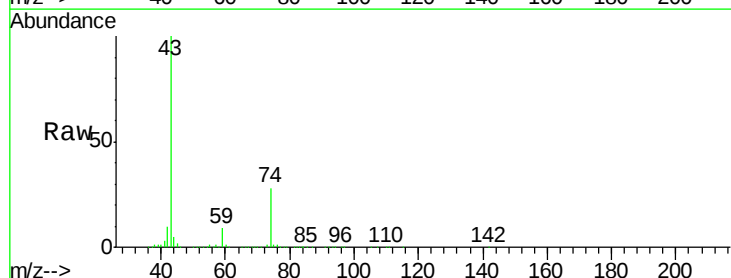
Acq: 07 Jun 2019 16:40

Tgt Ion: 43 Resp: 62060

Ion Ratio Lower Upper

43 100

74 28.4 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

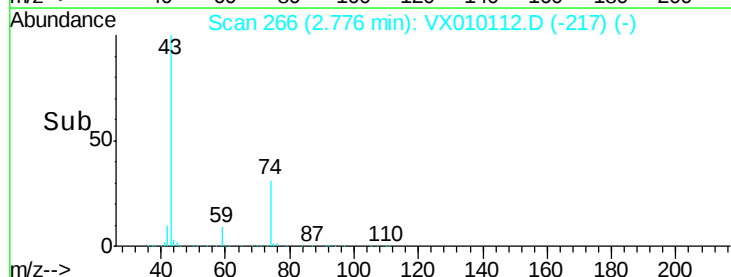
30000

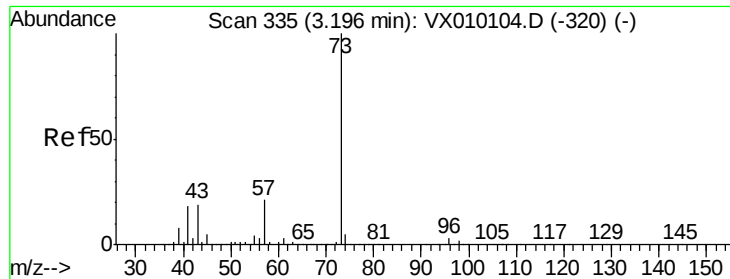
20000

10000

0

Time-->





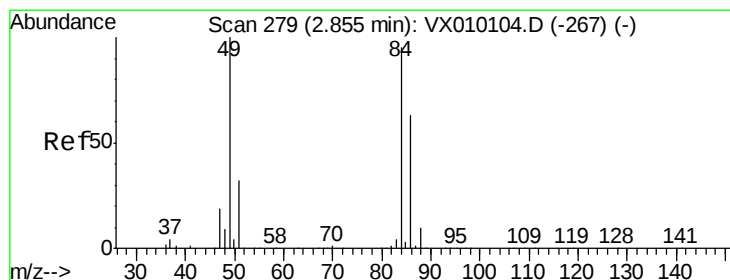
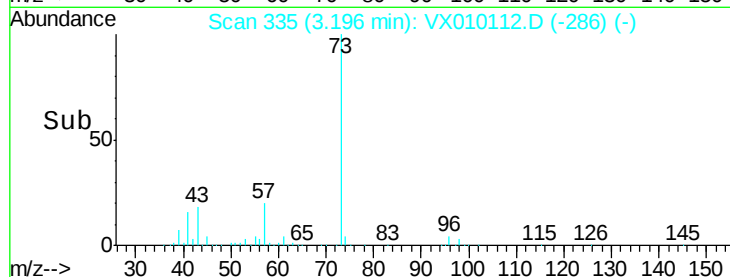
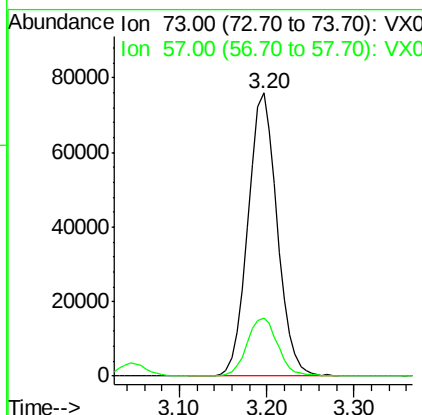
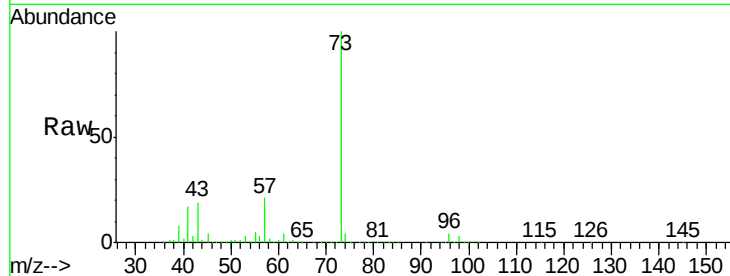
#19
Methvl tert-butvl Ether
Concen: 20.021 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion: 73 Resp: 176474
Ion Ratio Lower Upper
73 100
57 20.5 19.4 29.2

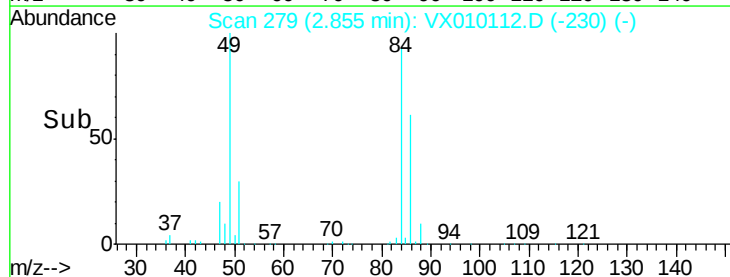
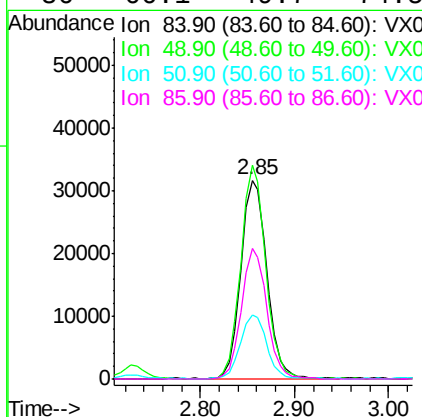
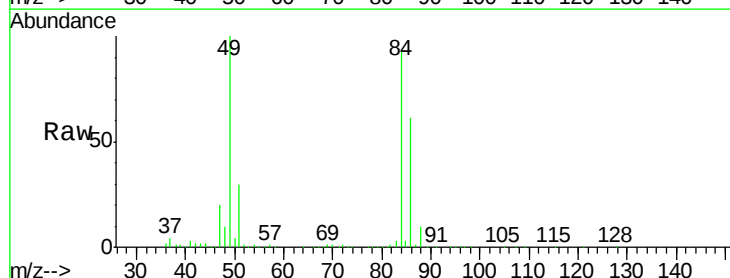
Manual Integrations
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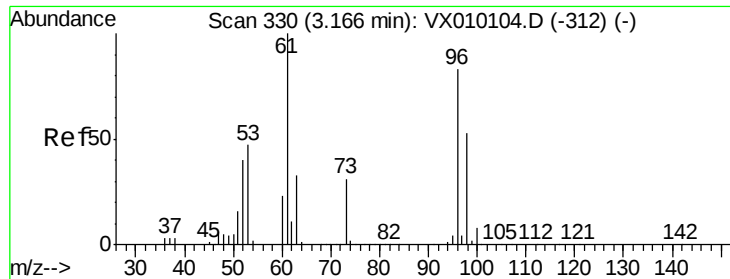
MMDadoda
6/10/2019 10:52:51 AM



#20
Methylene Chloride
Concen: 19.802 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion: 84 Resp: 60987
Ion Ratio Lower Upper
84 100
49 107.8 115.8 173.6#
51 32.6 34.4 51.6#
86 66.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 19.431 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 96 Resp: 58997

Ion Ratio Lower Upper

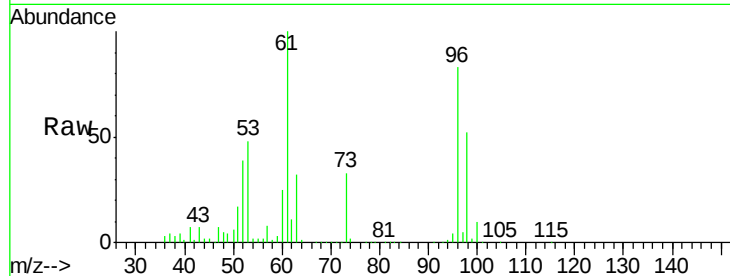
96 100

61 120.0 125.7 188.5#

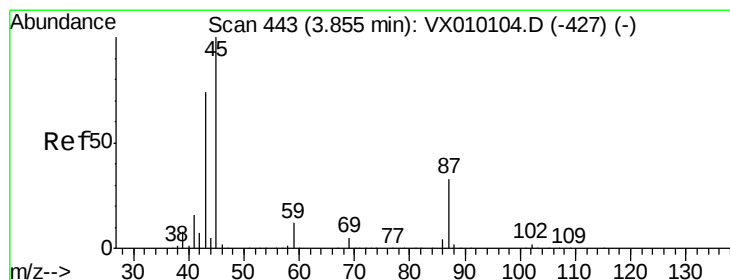
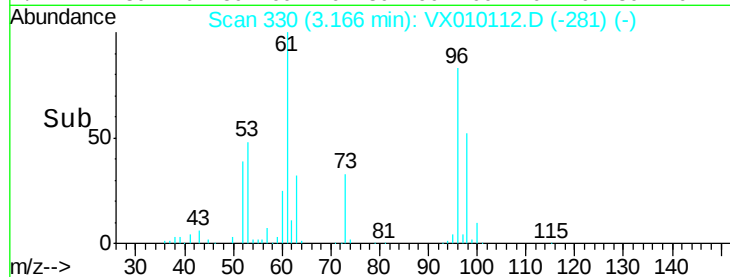
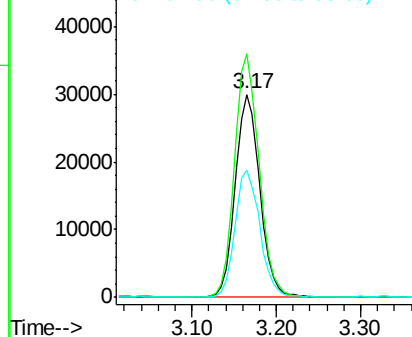
98 62.6 49.0 73.6

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.247 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion: 45 Resp: 160314

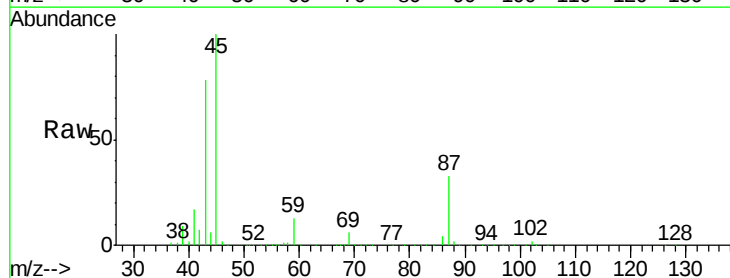
Ion Ratio Lower Upper

45 100

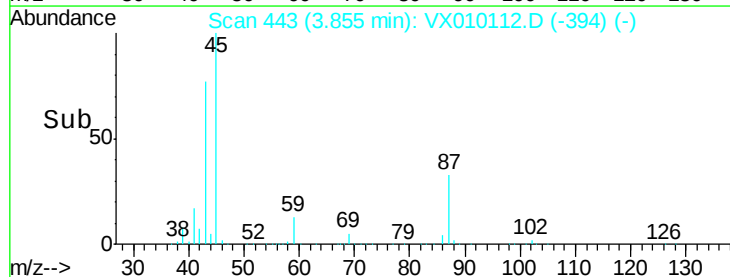
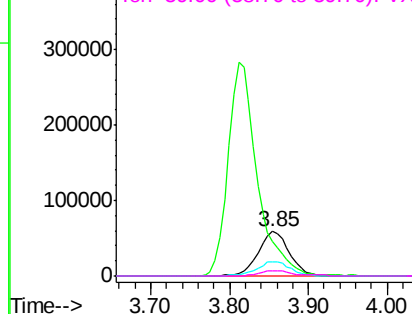
43 77.3 65.0 97.4

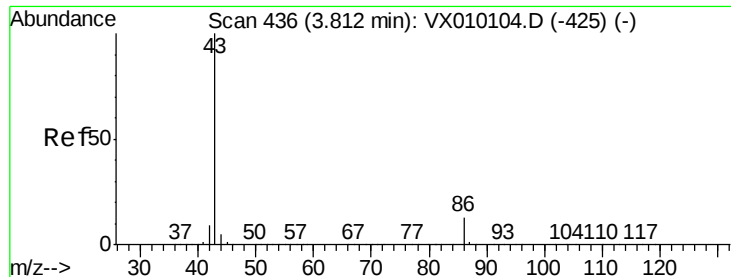
87 32.8 17.3 25.9#

59 12.9 8.1 12.1#



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 103.175 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 43 Resp: 728808

Ion Ratio Lower Upper

43 100

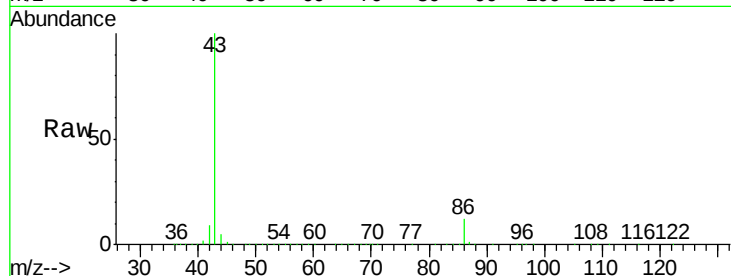
86 12.1 6.5 9.7#

Manual Integrations

APPROVED

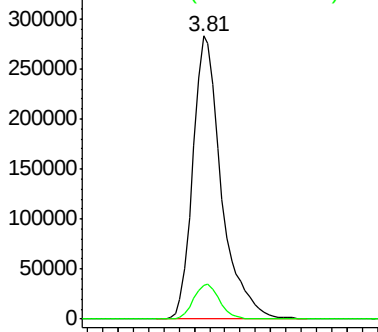
MMDadoda

6/10/2019 10:52:51 AM

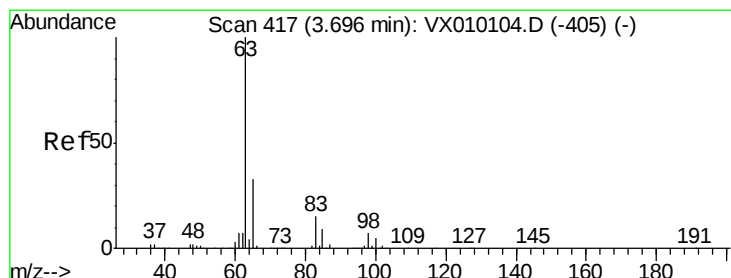
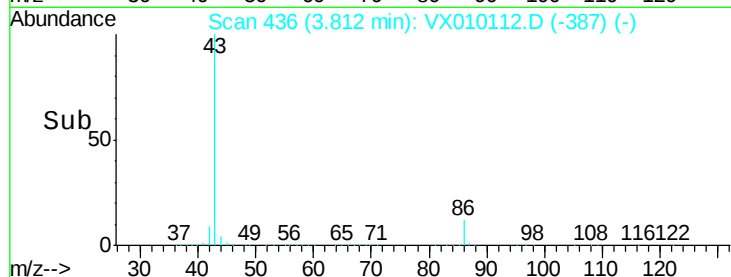


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.610 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

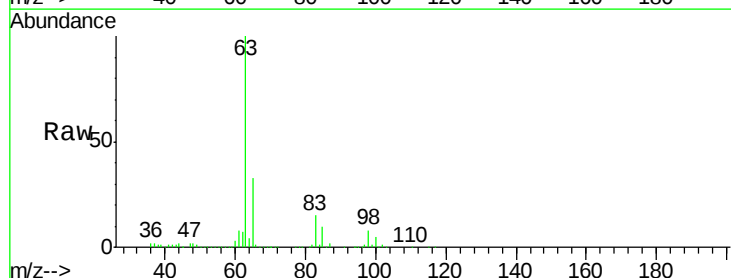
Tgt Ion: 63 Resp: 94277

Ion Ratio Lower Upper

63 100

98 8.2 2.9 8.8

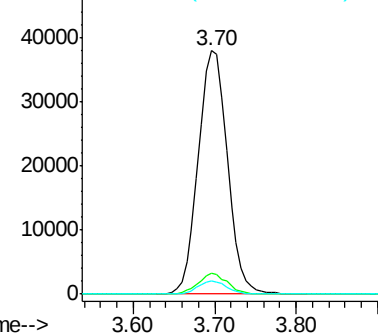
100 5.4 1.8 5.4#



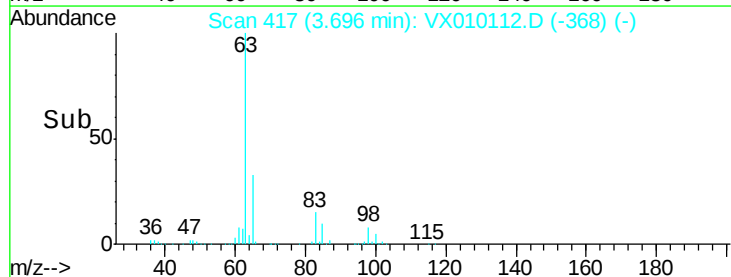
Abundance Ion 62.90 (62.60 to 63.60): VX0

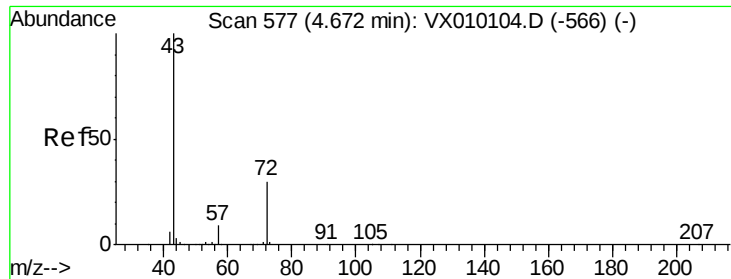
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 103.399 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 43 Resp: 215919

Ion Ratio Lower Upper

43 100

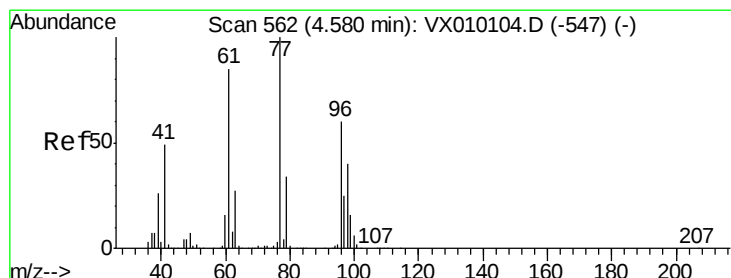
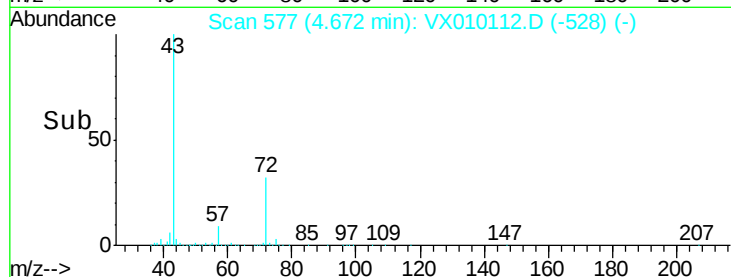
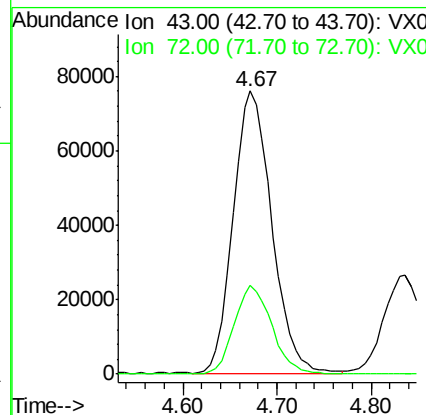
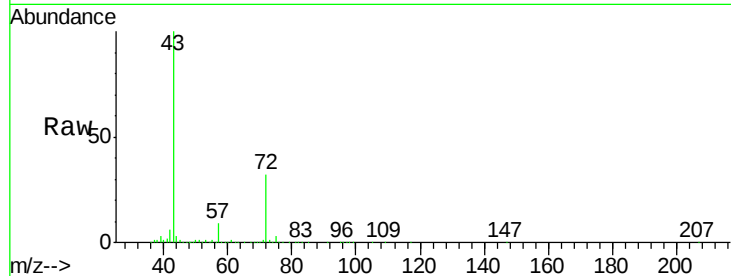
72 31.4 17.5 26.3#

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#26

2,2-Dichloropropane

Concen: 19.655 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010112.D

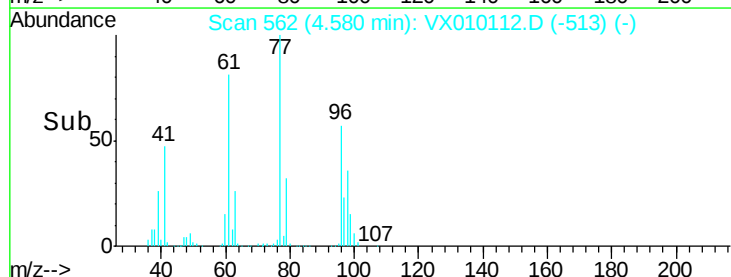
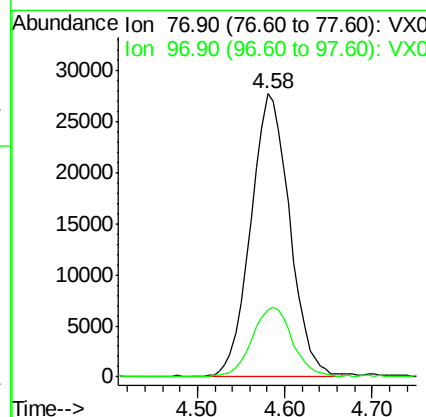
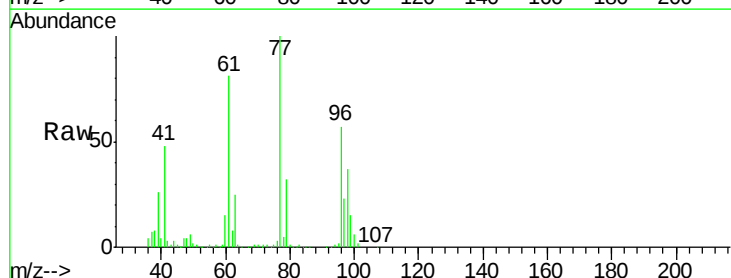
Acq: 07 Jun 2019 16:40

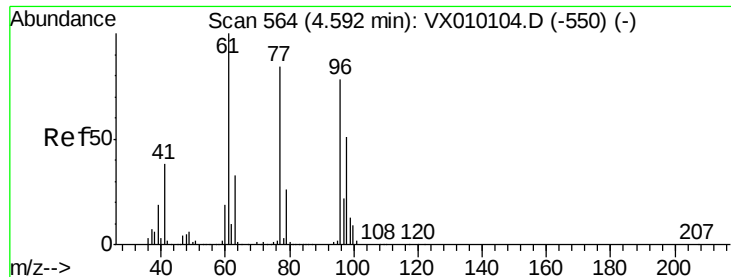
Tgt Ion: 77 Resp: 86204

Ion Ratio Lower Upper

77 100

97 25.5 11.4 34.2





#27

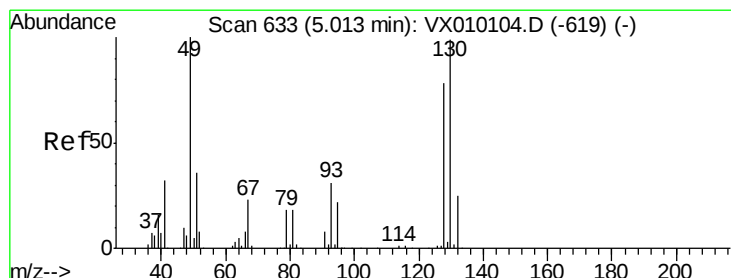
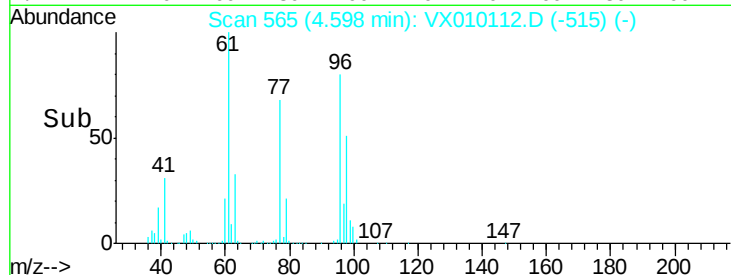
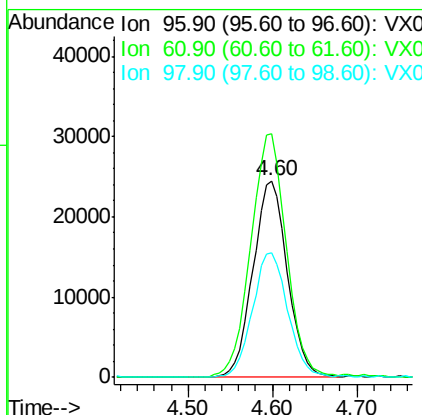
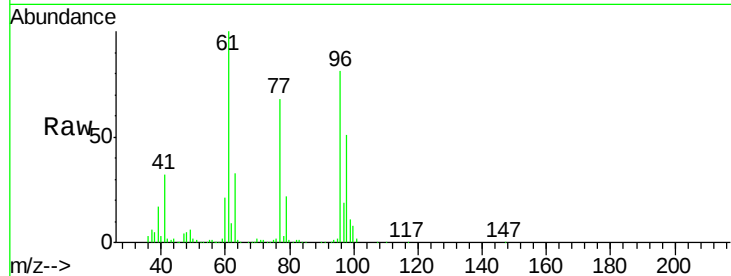
cis-1,2-Dichloroethene
Concen: 20.285 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68517		
61	127.9	0.0	334.0	
98	63.9	0.0	131.6	

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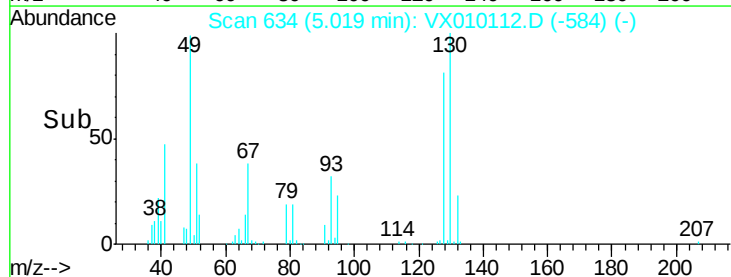
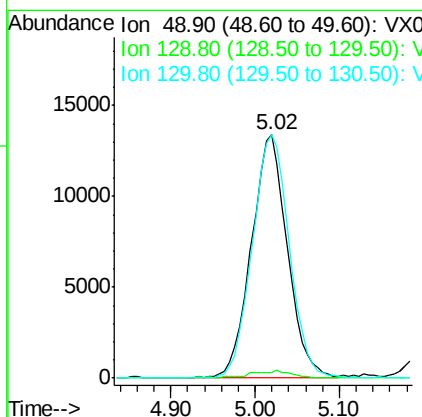
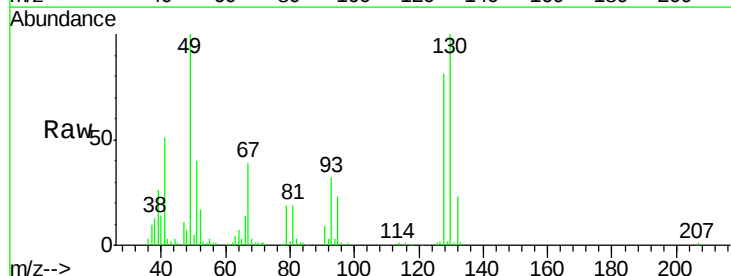
MMDadoda
6/10/2019 10:52:51 AM

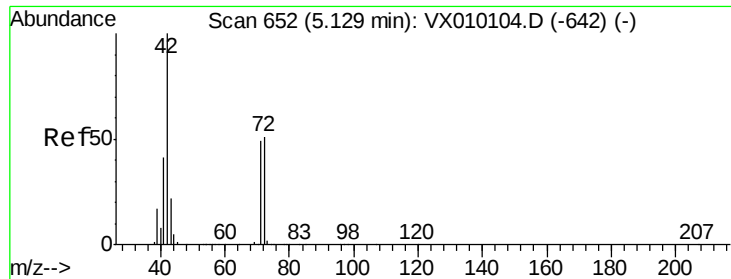


#28

Bromochloromethane
Concen: 18.212 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	39239		
129	3.3	0.0	3.4	
130	102.7	49.4	74.2#	





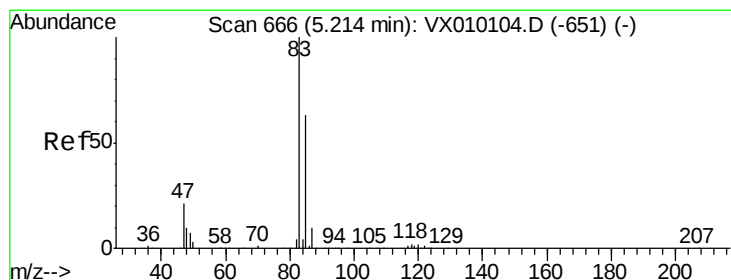
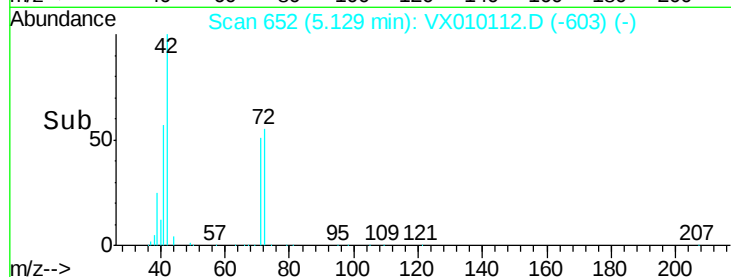
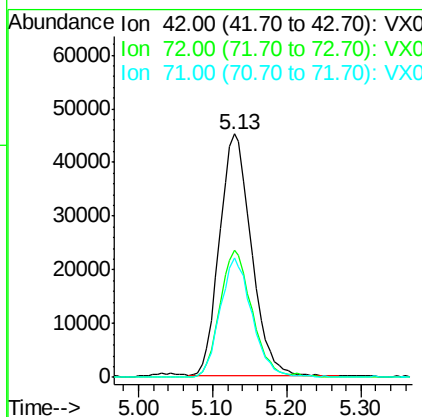
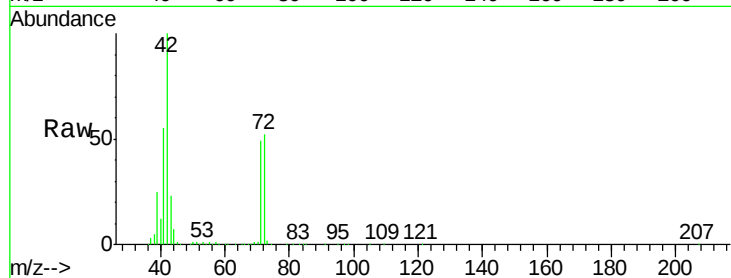
#29
Tetrahydrofuran
Concen: 102.437 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.2	29.2	43.8#
71	48.7	27.6	41.4#

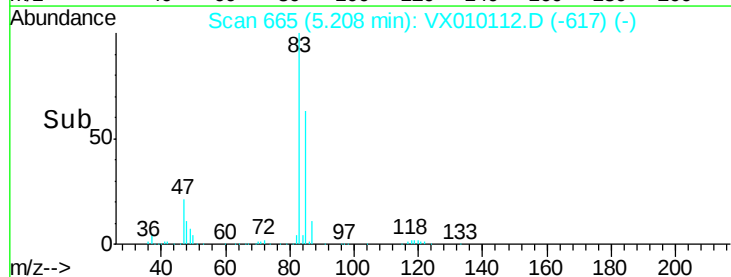
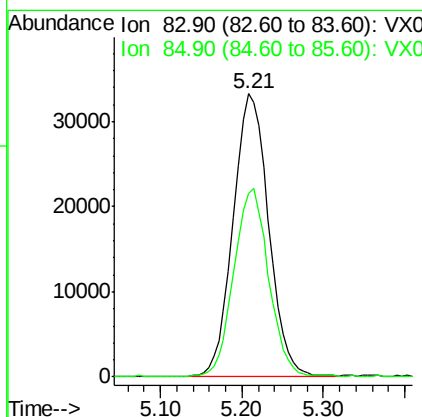
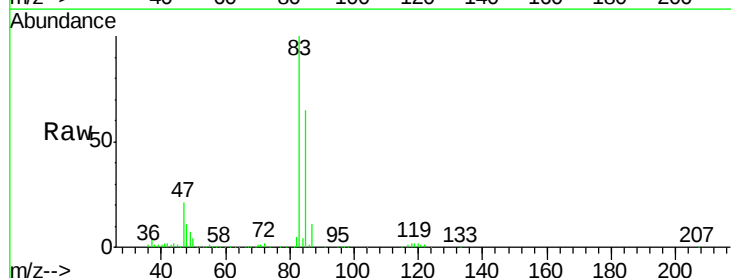
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APPROVED

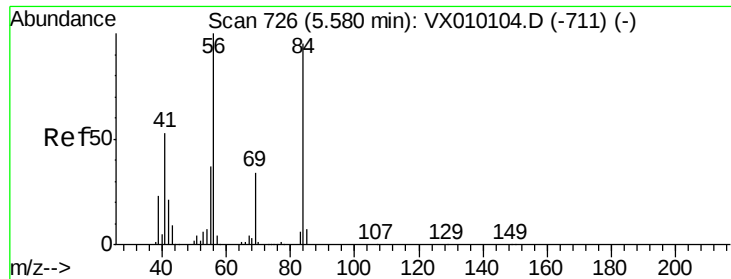
MMDadoda
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#30
Chloroform
Concen: 19.994 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8





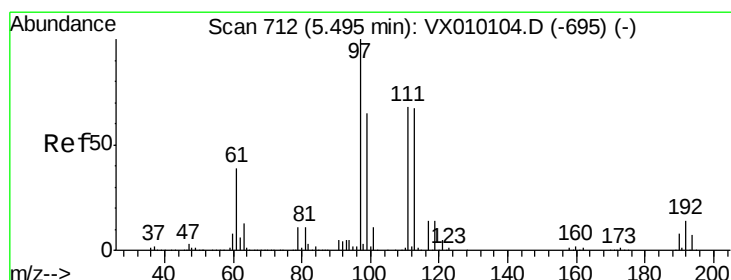
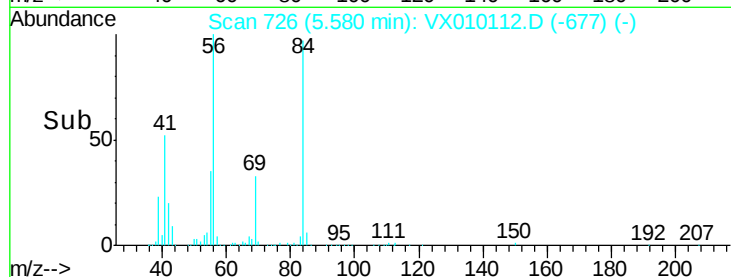
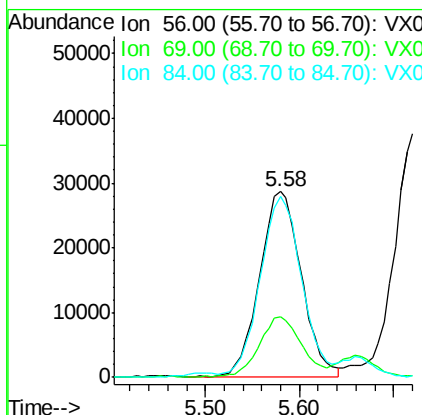
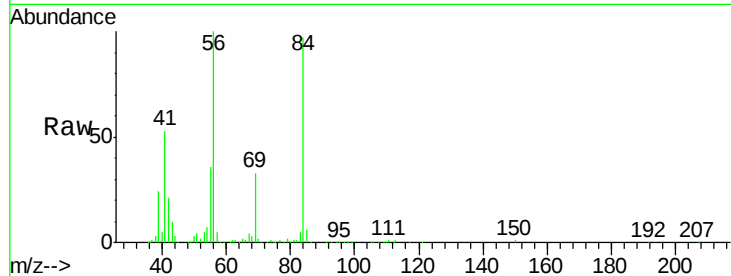
#31
Cyclohexane
Concen: 20.363 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	21.6	32.4#
84	96.0	56.8	85.2#

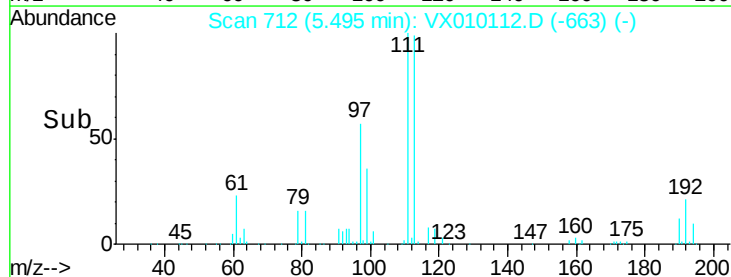
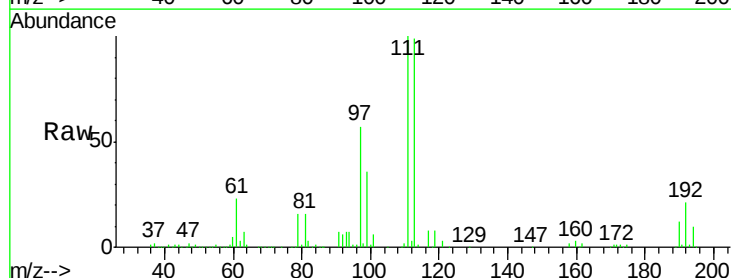
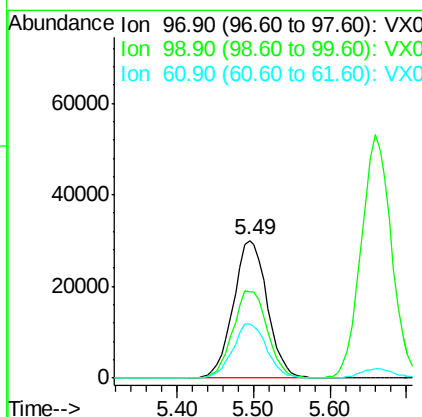
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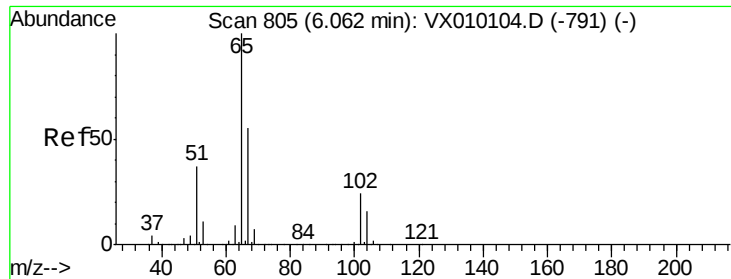
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#32
1,1,1-Trichloroethane
Concen: 19.467 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.4
61	40.2	38.7	58.1





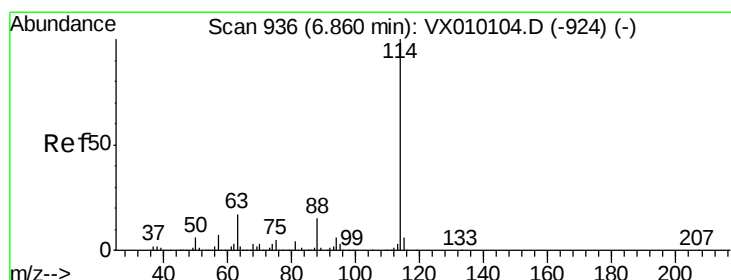
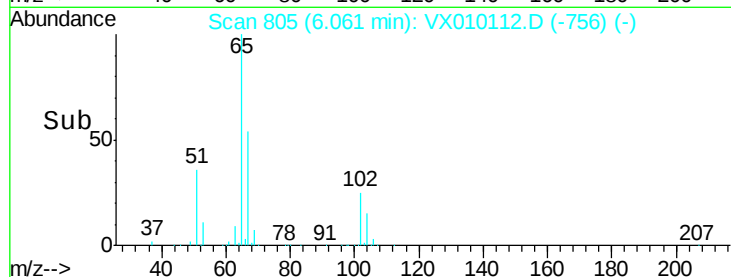
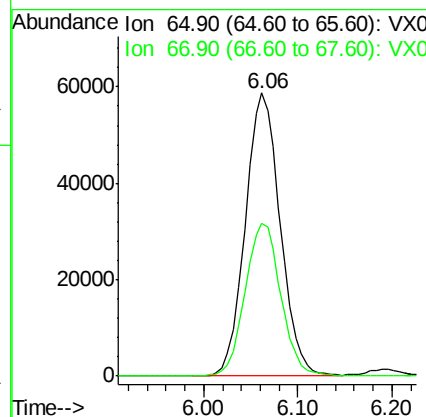
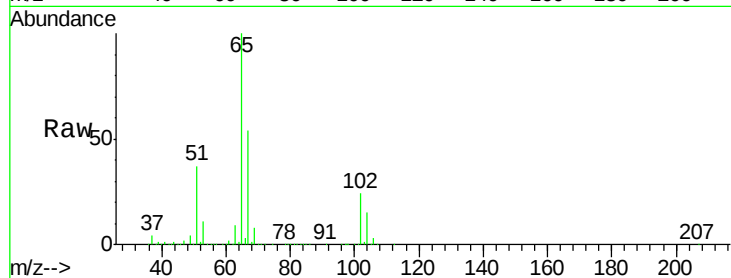
#33
 1,2-Dichloroethane-d4
 Concen: 51.163 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152545		
67	54.7	0.0	108.4	

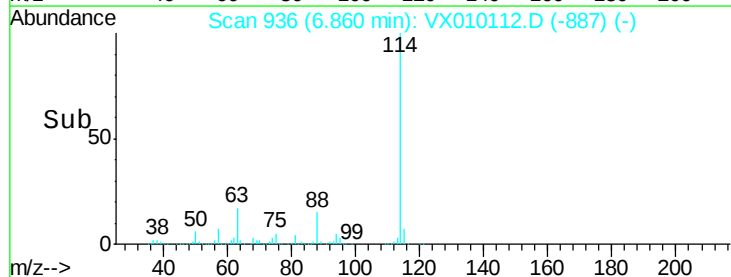
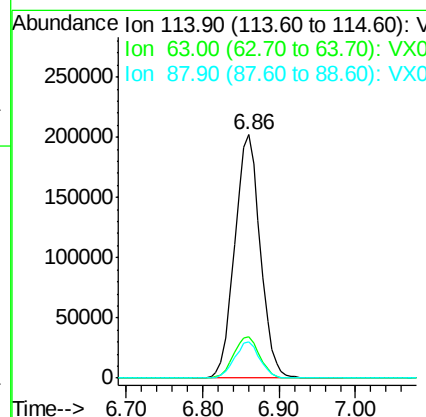
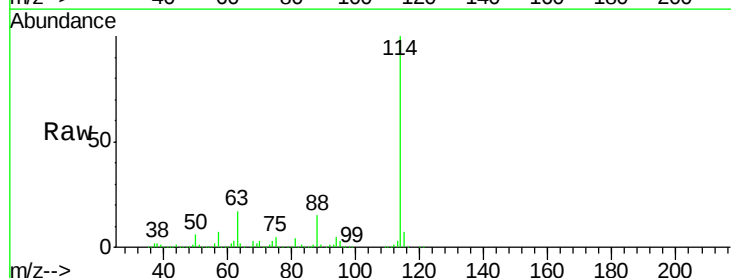
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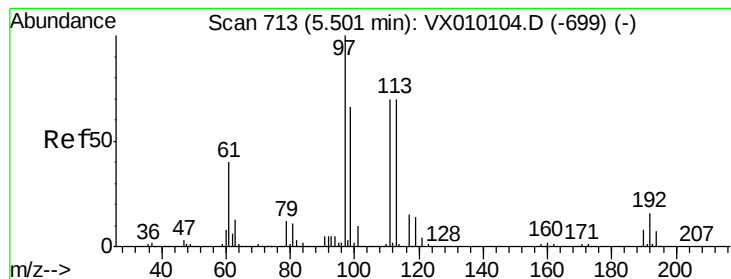
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466267		
63	16.7	0.0	47.4	
88	14.8	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.460 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

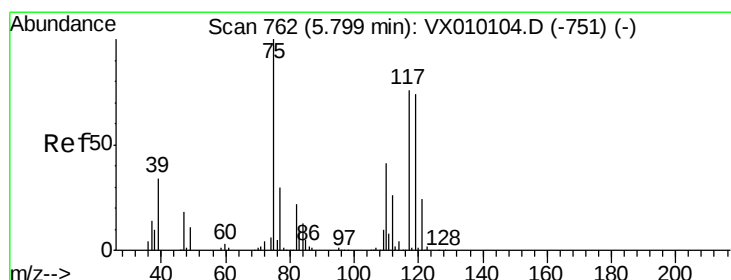
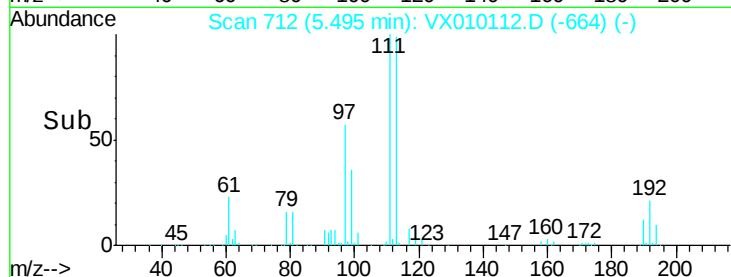
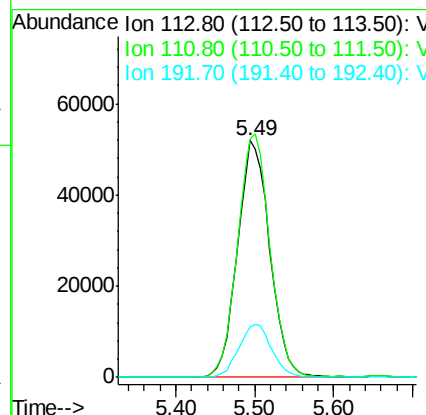
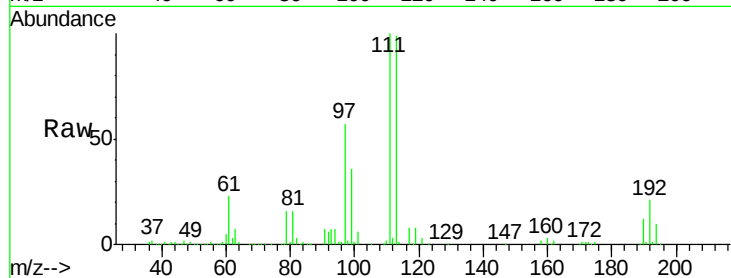
ClientSampleId :

VX0607WBS01

Tot Ion:	113	Resp:	148000
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.2	123.2
192	22.9	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 19.511 ug/l

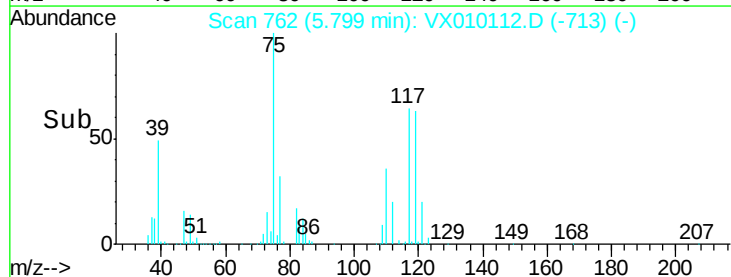
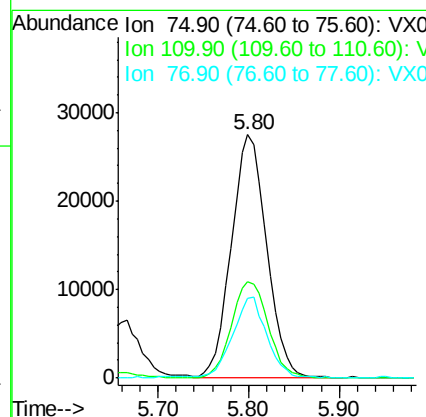
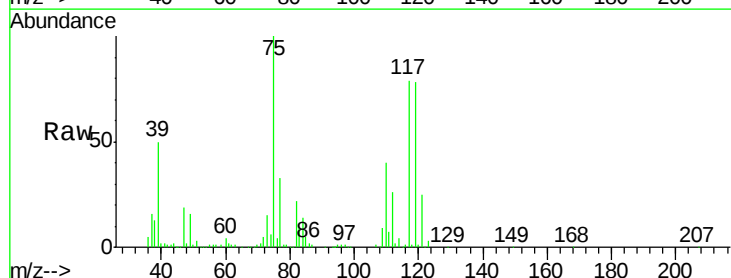
RT: 5.80 min Scan# 762

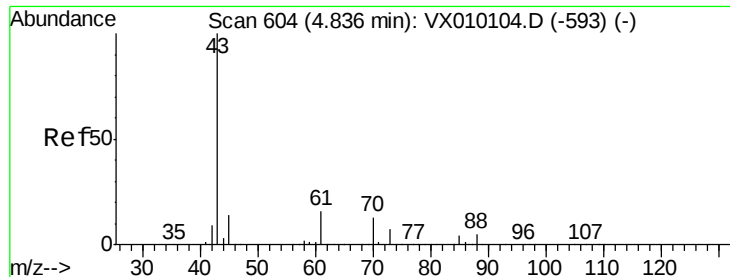
Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion:	75	Resp:	74221
Ion Ratio	Lower	Upper	
75	100		
110	41.7	16.7	50.1
77	31.7	25.0	37.4





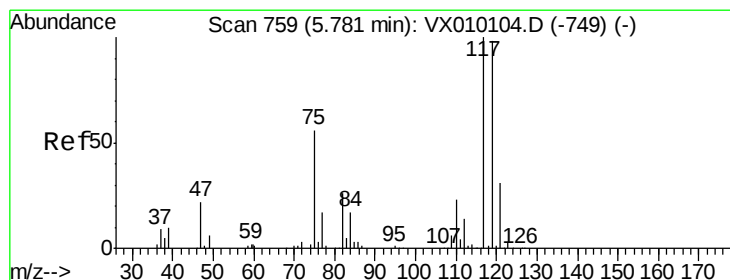
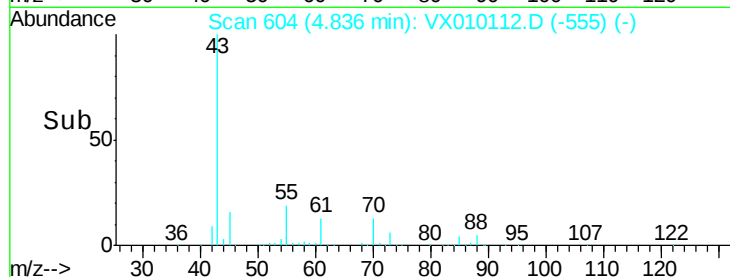
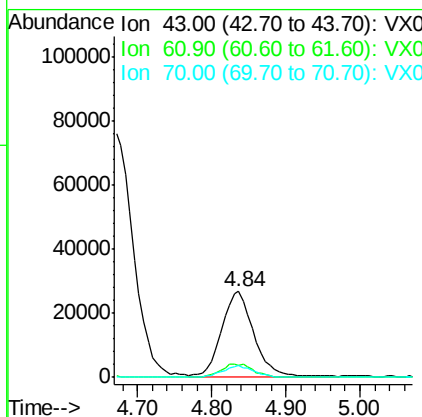
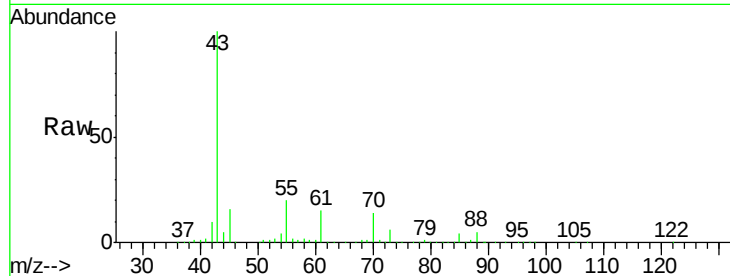
#37
Ethyl Acetate
Concen: 19.925 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	10.2	15.2#
70	14.3	7.4	11.2#

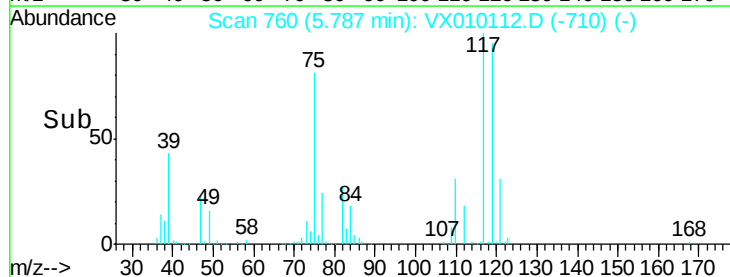
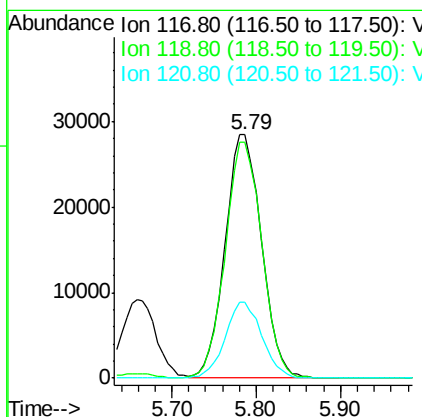
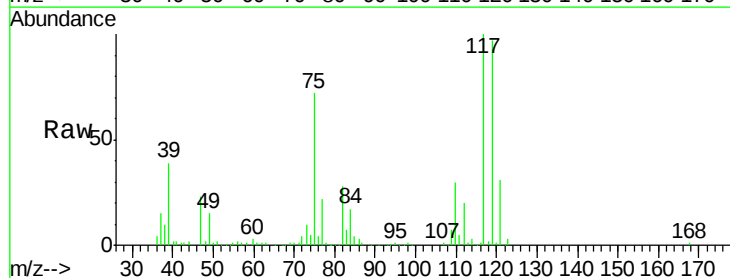
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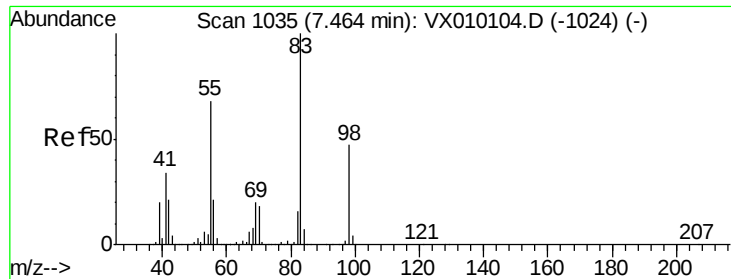
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#38
Carbon Tetrachloride
Concen: 19.498 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.3	115.9
121	31.3	25.4	38.0





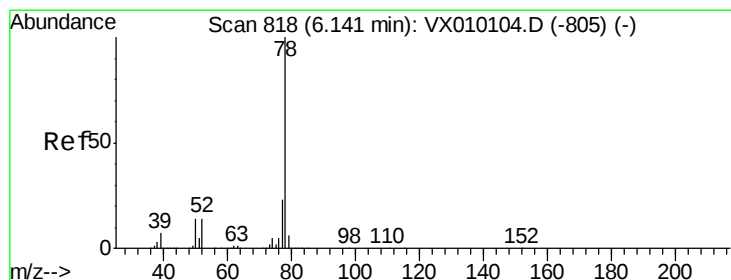
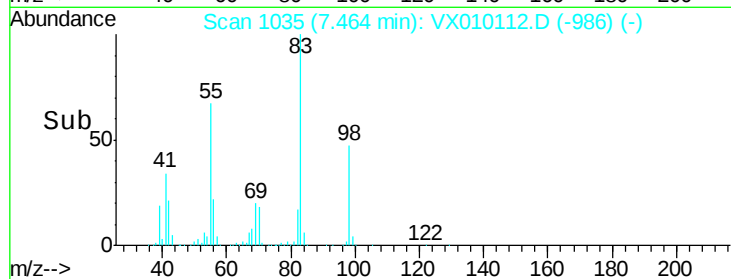
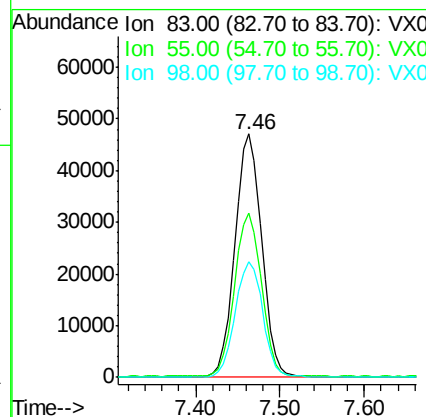
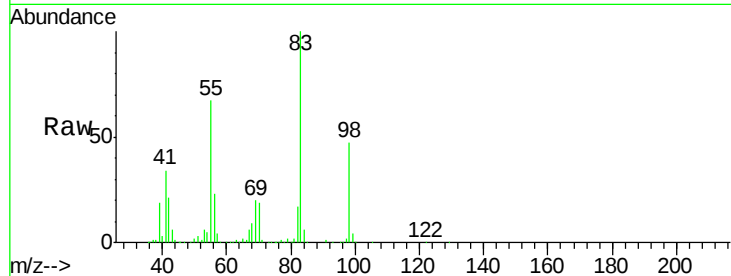
#39
Methvlcvclohexane
Concen: 19.510 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	69.9	104.9#
98	47.2	35.1	52.7

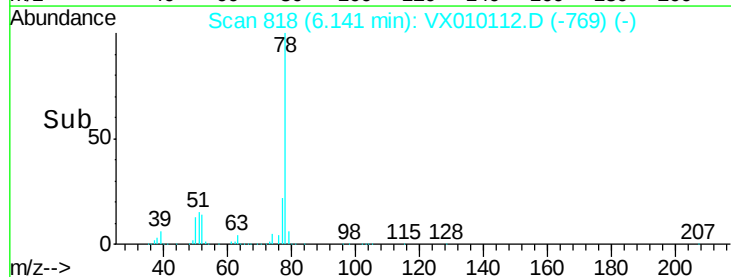
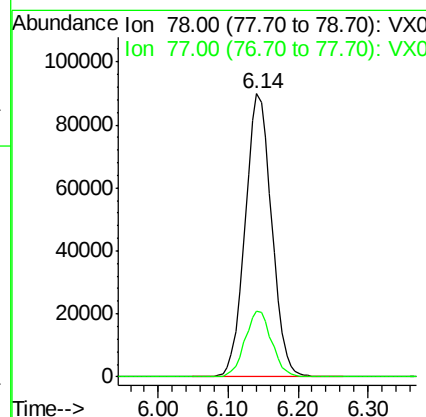
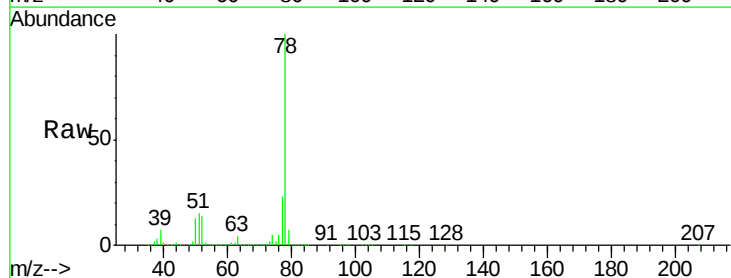
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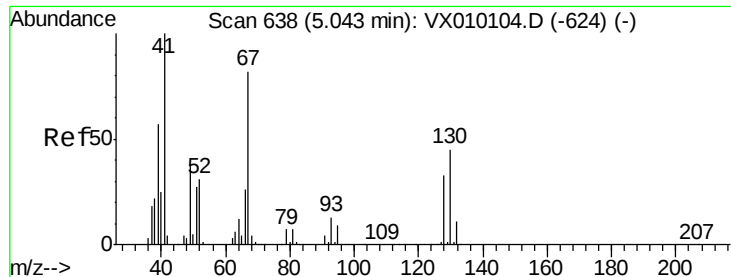
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#40
Benzene
Concen: 20.101 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





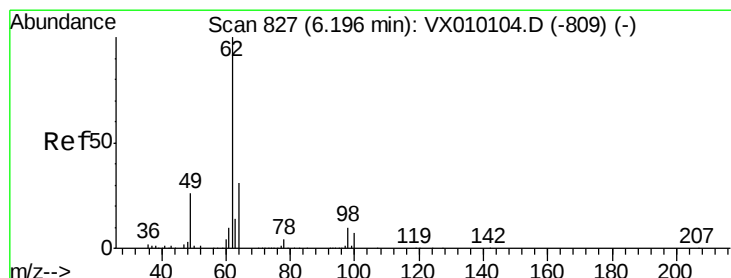
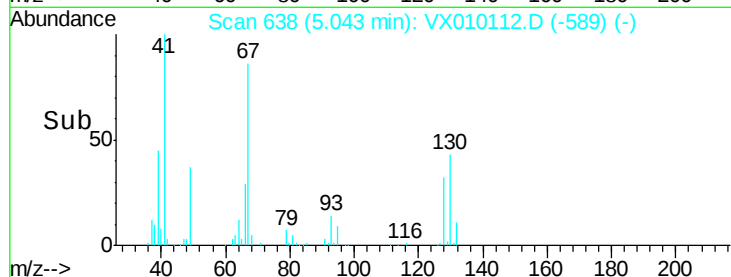
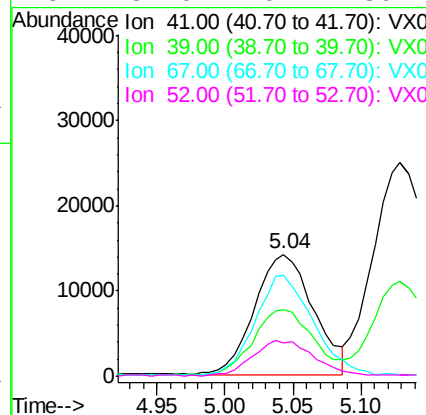
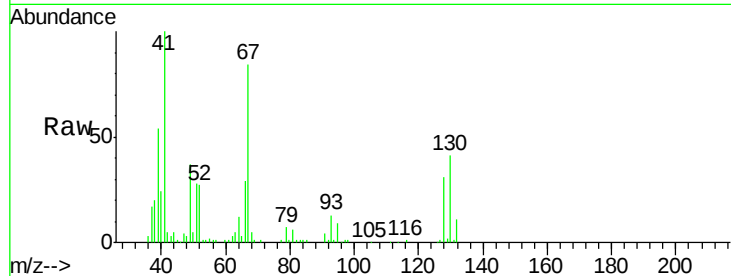
#41
Methacrylonitrile
Concen: 19.882 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleID :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	42.2	63.4
67	82.9	48.9	73.3#
52	32.0	20.1	30.1#

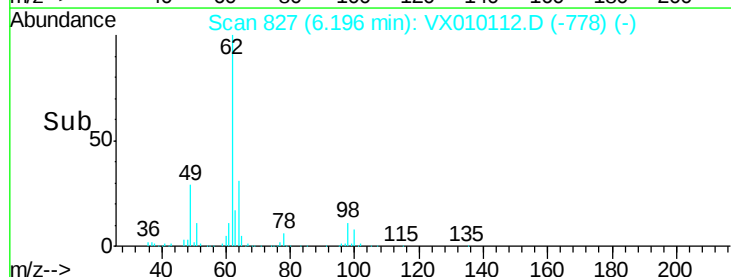
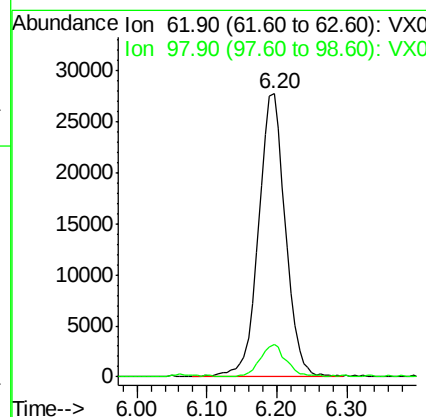
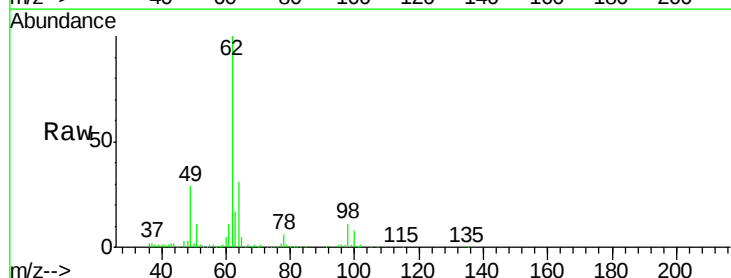
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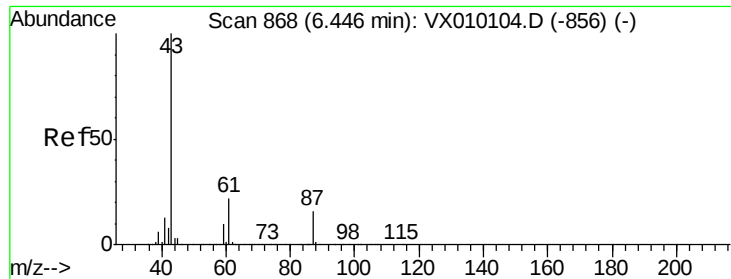
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.570 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	17.2





#43

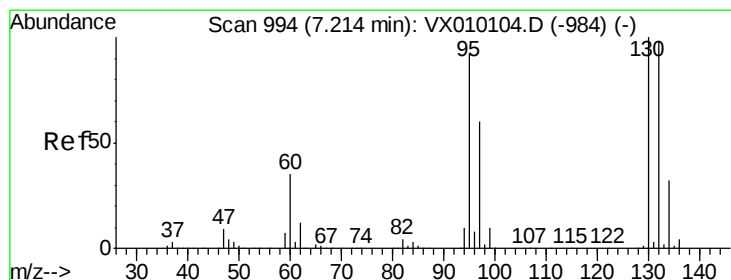
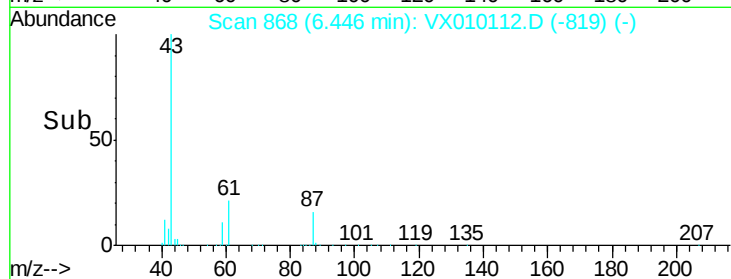
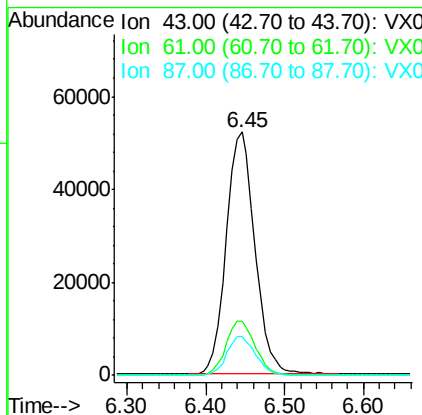
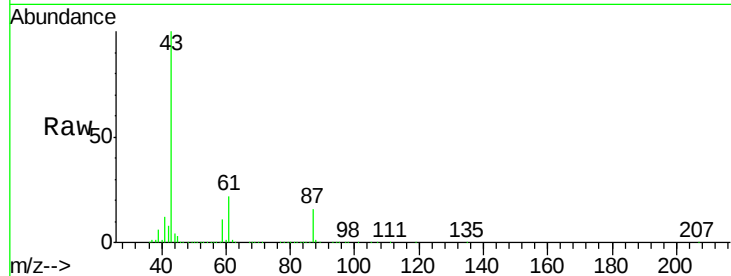
Isopropyl Acetate
 Concen: 19.843 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.1	14.6	21.8#
87	16.1	8.7	13.1#

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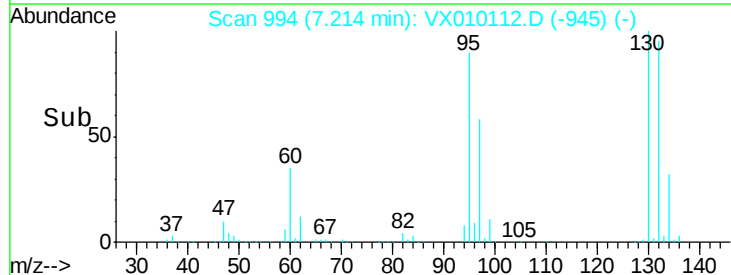
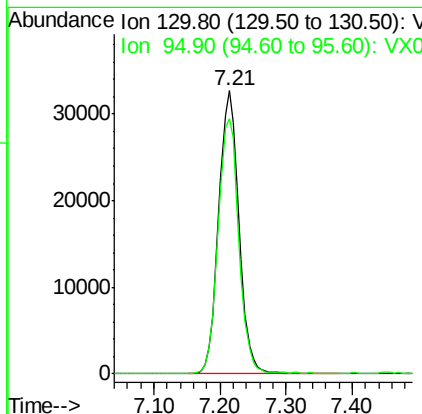
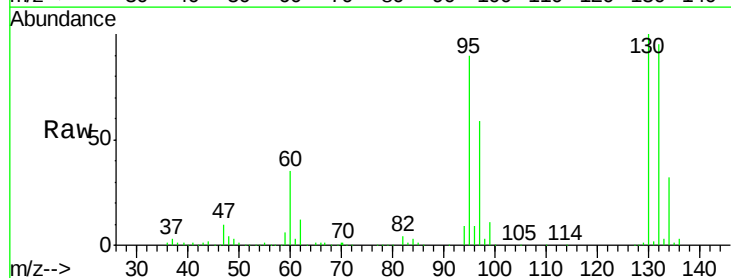
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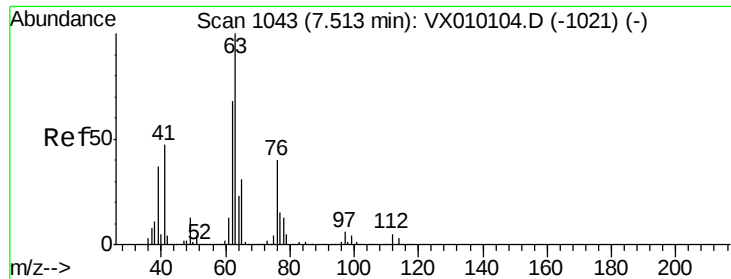


#44

Trichloroethene
 Concen: 19.586 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	207.4





#45

1,2-Dichloropropane

Concen: 20.076 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 63 Resp: 59105

Ion Ratio Lower Upper

63 100

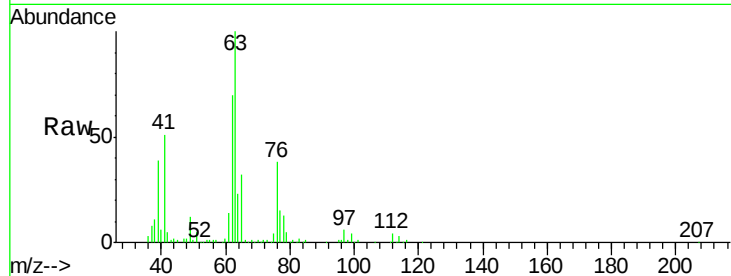
65 31.5 25.7 38.5

Manual Integrations

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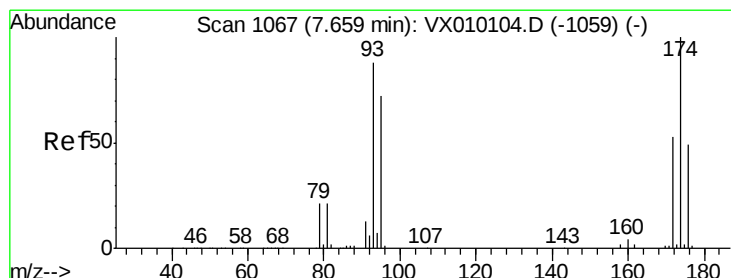
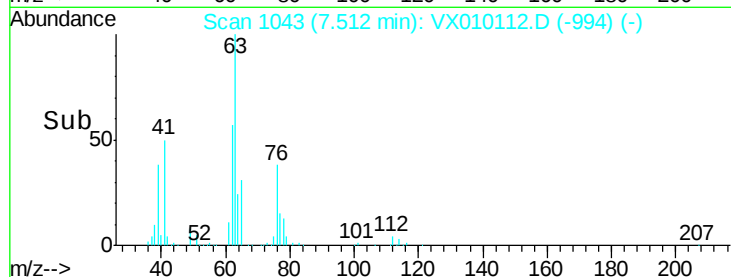
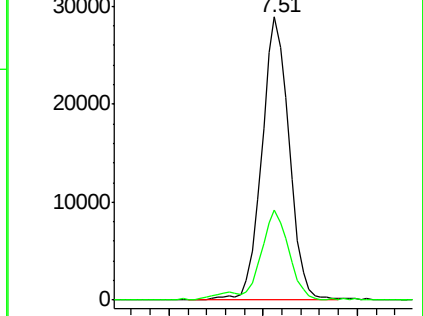
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.040 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

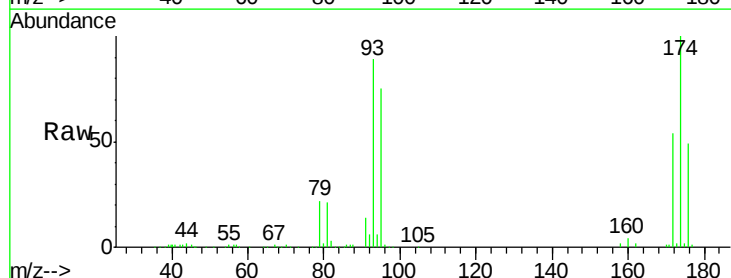
Tgt Ion: 93 Resp: 41996

Ion Ratio Lower Upper

93 100

95 84.7 66.8 100.2

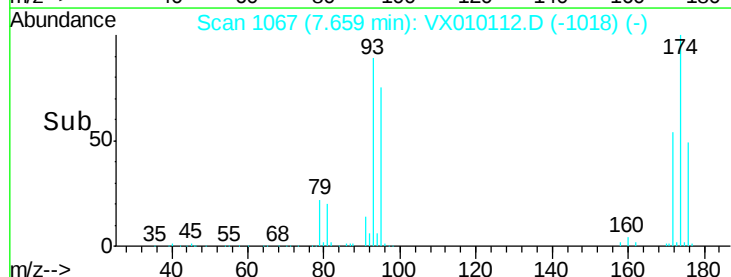
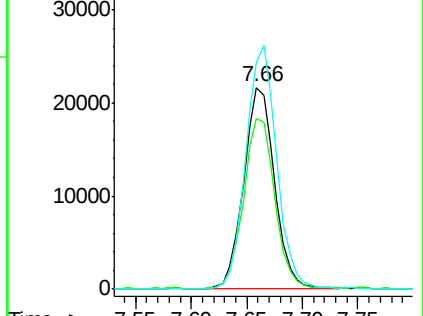
174 119.9 81.9 122.9

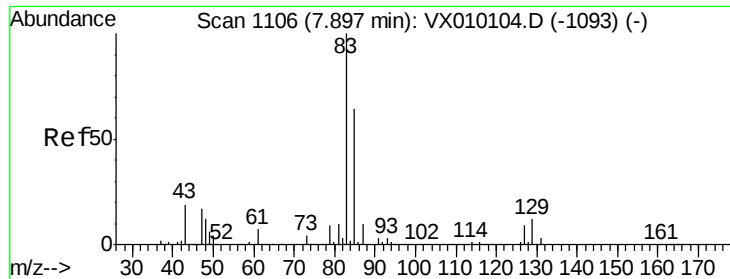


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.059 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

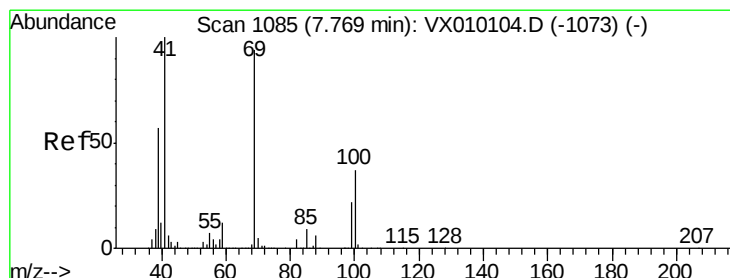
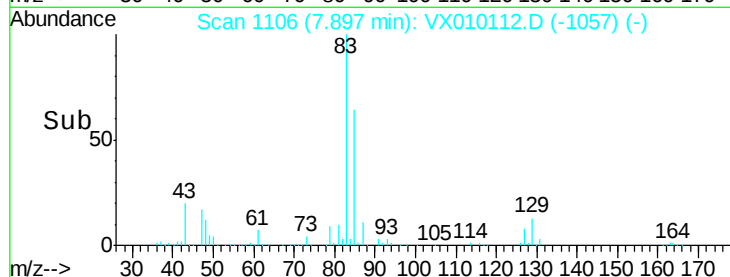
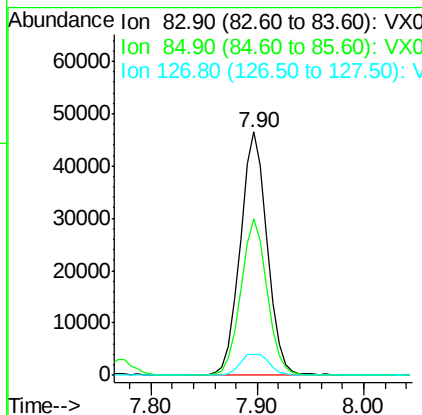
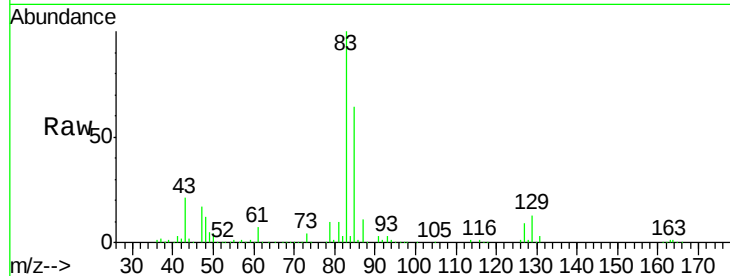
ClientSampleId :

VX0607WBS01

Tot Ion:	83	Resp:	82673
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	8.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.388 ug/l

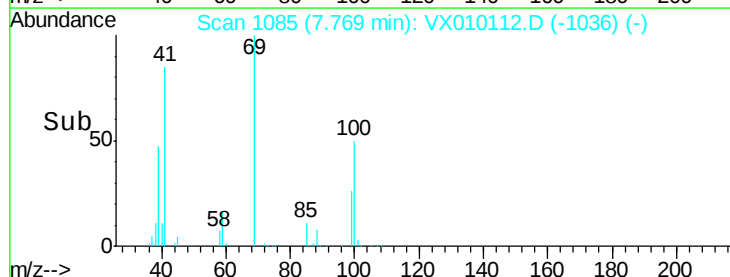
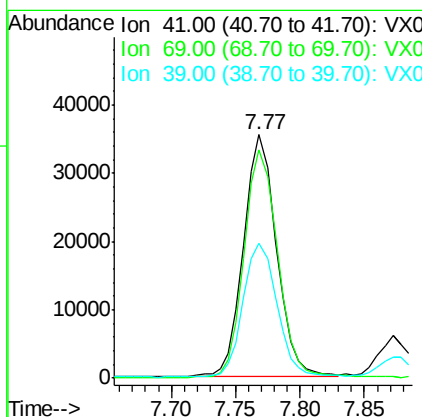
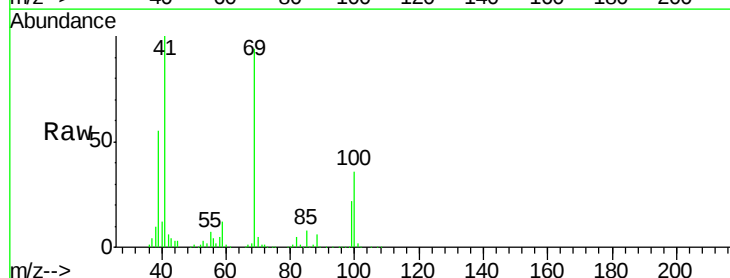
RT: 7.77 min Scan# 1085

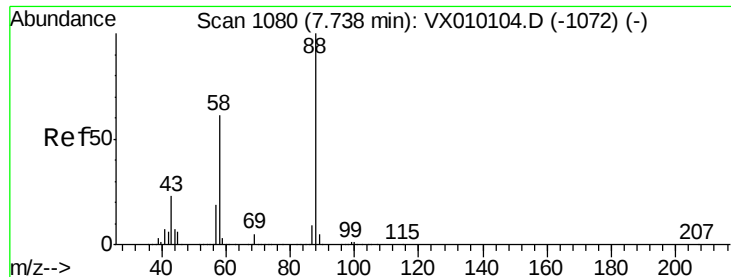
Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion:	41	Resp:	63098
Ion	Ratio	Lower	Upper
41	100		
69	95.2	56.4	84.6#
39	57.7	40.6	60.8





#49

1,4-Dioxane

Concen: 412.547 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

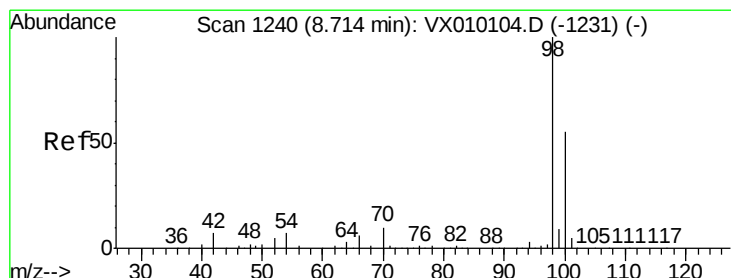
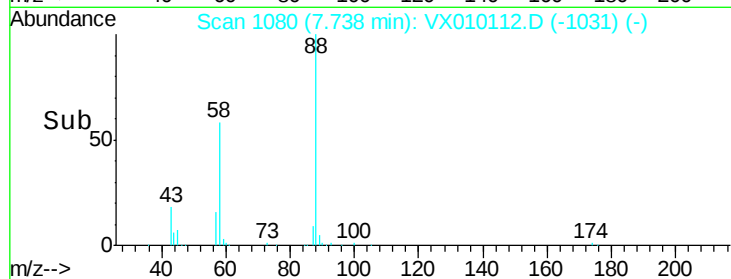
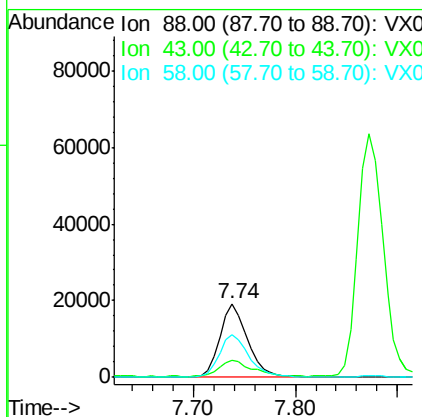
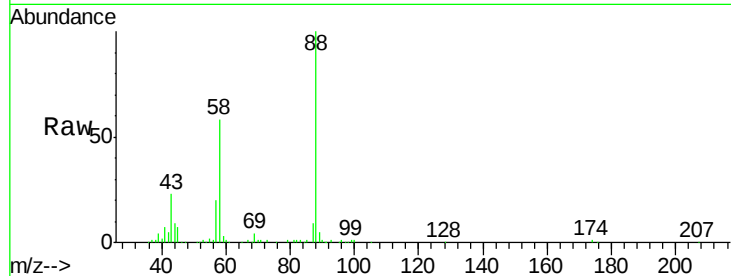
ClientSampleId :

VX0607WBS01

Tot Ion:	88	Resp:	36403
Ion	Ratio	Lower	Upper
88	100		
43	25.5	30.2	45.4#
58	62.7	64.0	96.0#

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#50

Toluene-d8

Concen: 51.914 ug/l

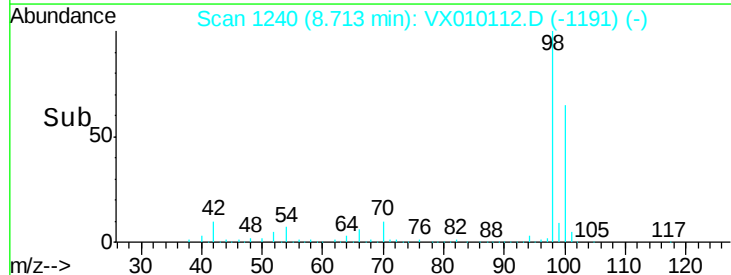
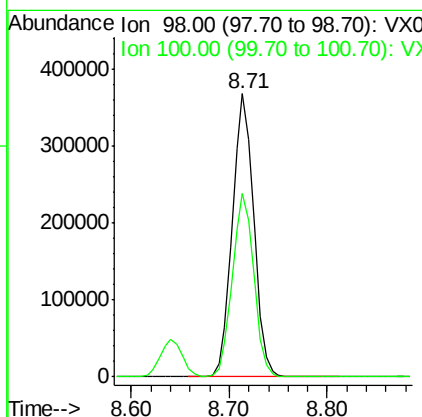
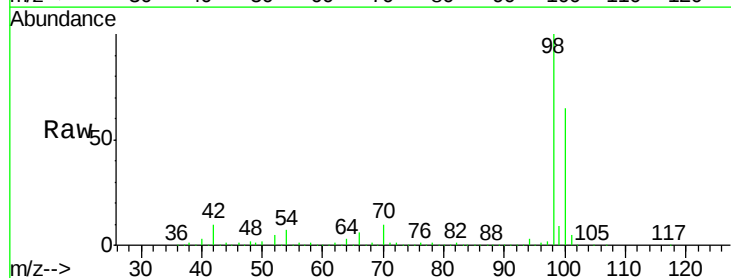
RT: 8.71 min Scan# 1240

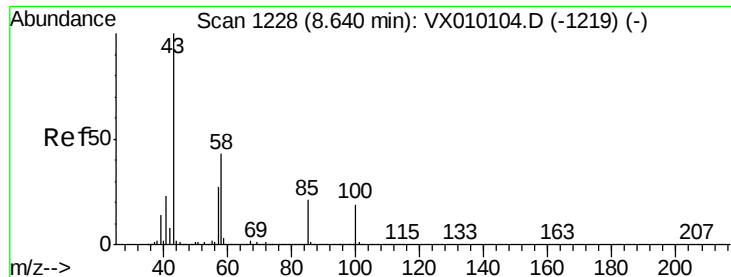
Delta R.T. 0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion:	98	Resp:	559584
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 105.220 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 43 Resp: 415977

Ion Ratio Lower Upper

43 100

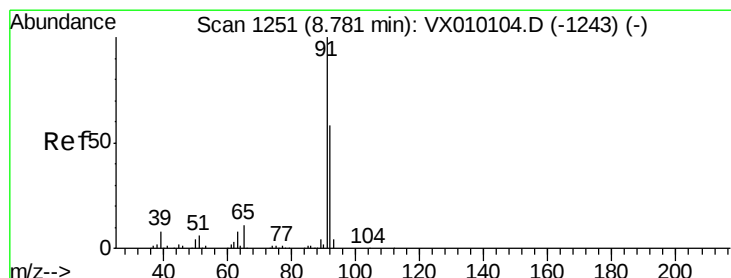
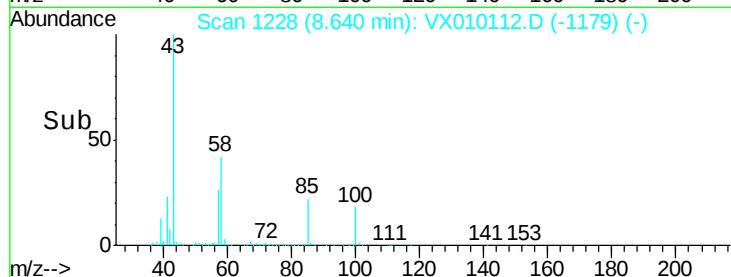
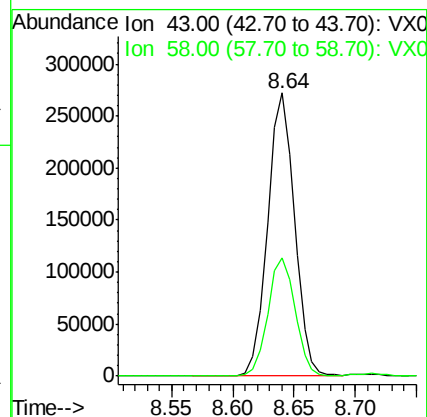
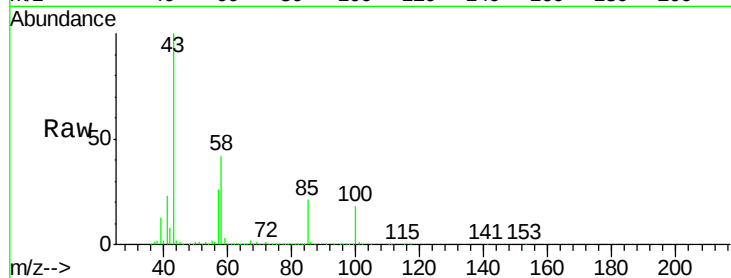
58 42.3 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 19.951 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010112.D

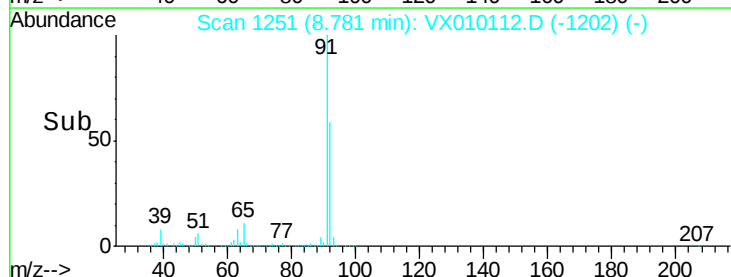
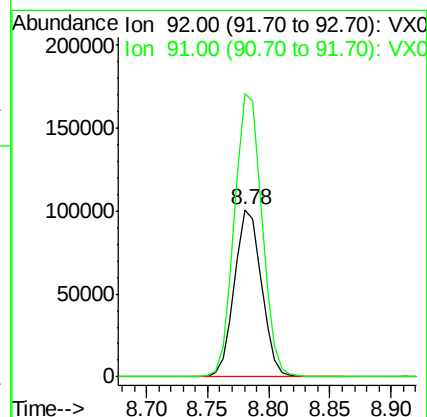
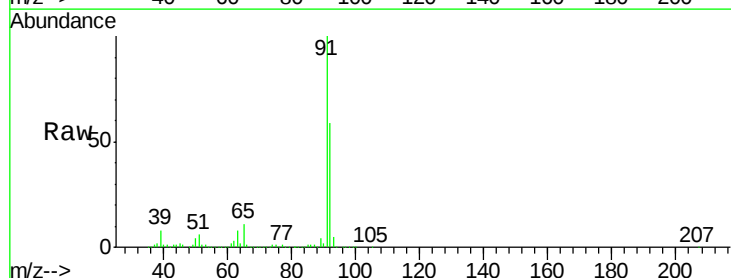
Acq: 07 Jun 2019 16:40

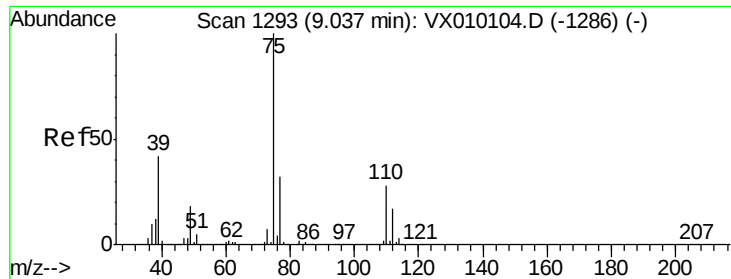
Tgt Ion: 92 Resp: 154265

Ion Ratio Lower Upper

92 100

91 171.9 139.9 209.9





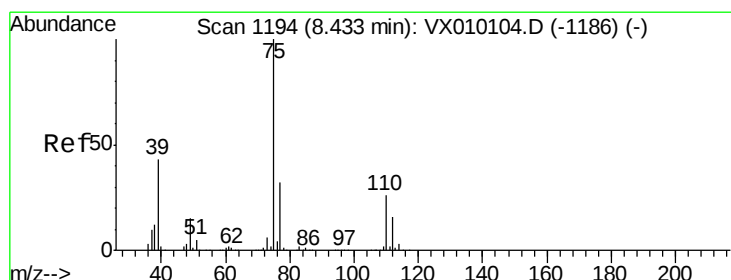
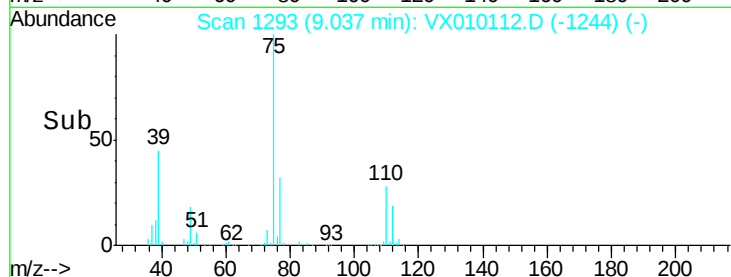
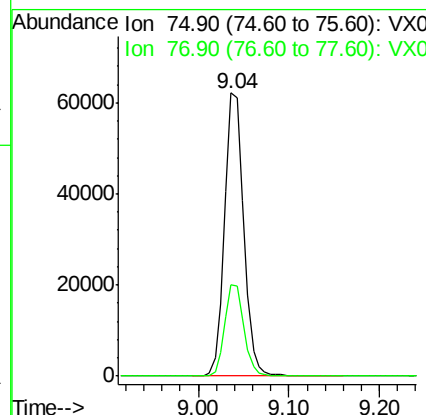
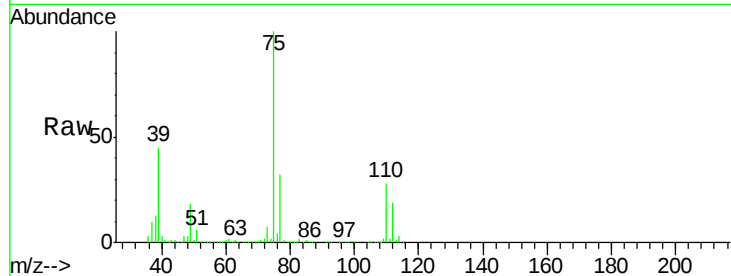
#53
t-1,3-Dichloropropene
Concen: 19.369 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8

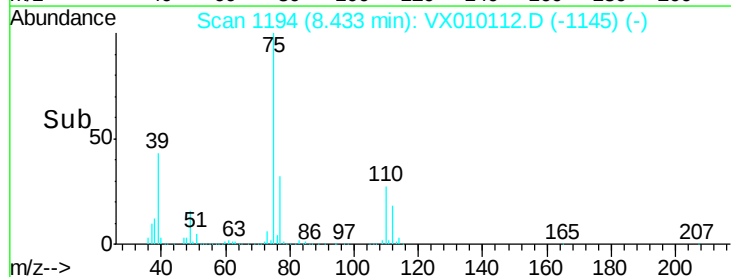
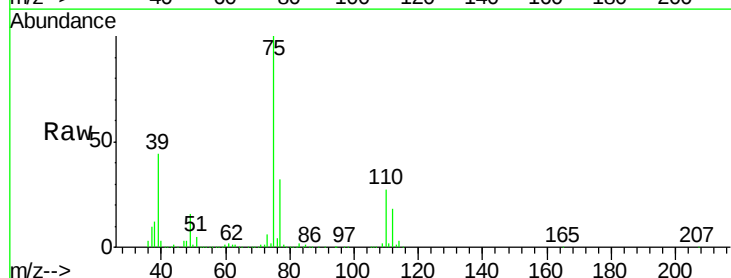
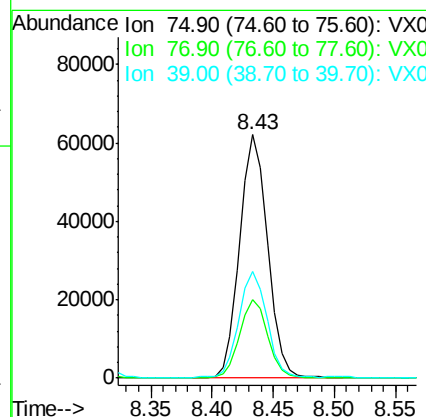
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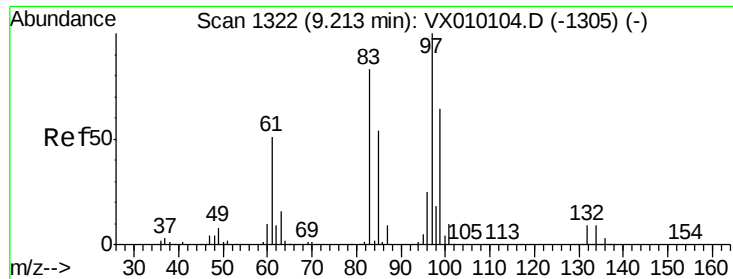
MMDadoda
6/10/2019 10:52:51 AM



#54
cis-1,3-Dichloropropene
Concen: 19.236 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2
39	43.4	43.4	65.0





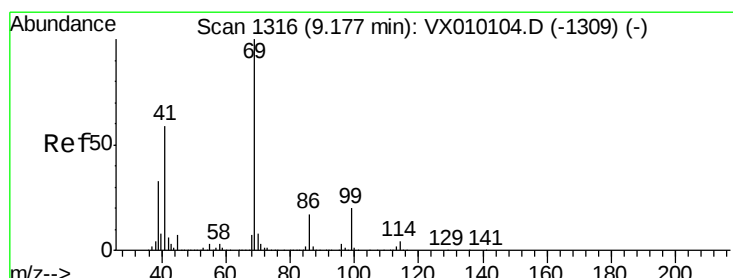
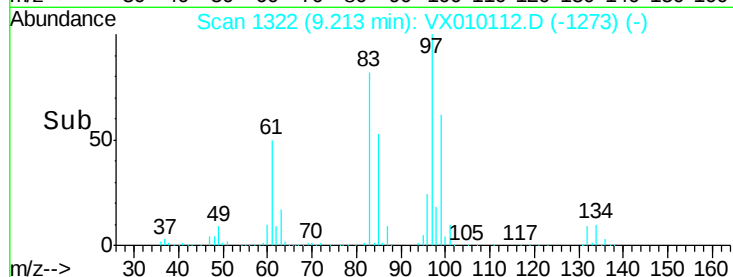
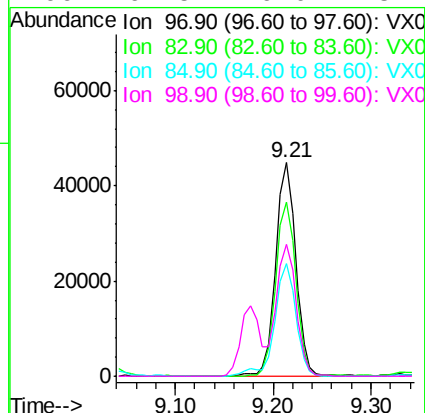
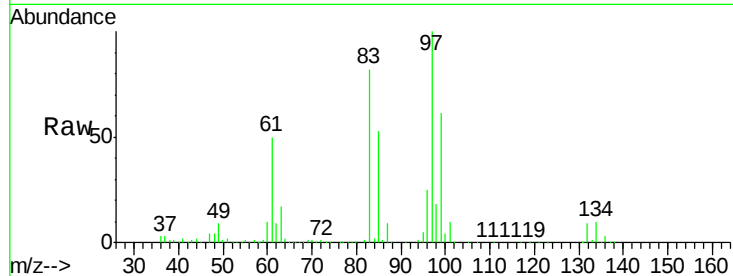
#55
 1,1,2-Trichloroethane
 Concen: 20.296 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Tot Ion:	97	Resp:	64271
Ion	Ratio	Lower	Upper
97	100		
83	81.7	69.8	104.8
85	52.7	45.3	67.9
99	61.5	49.0	73.4

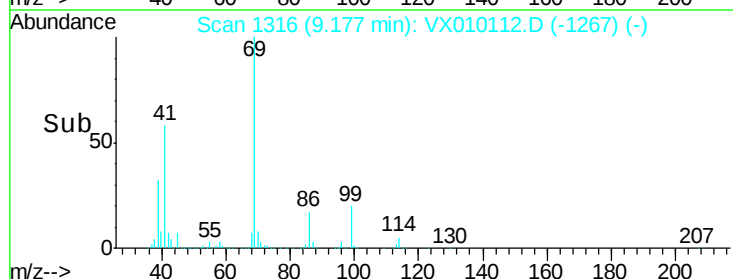
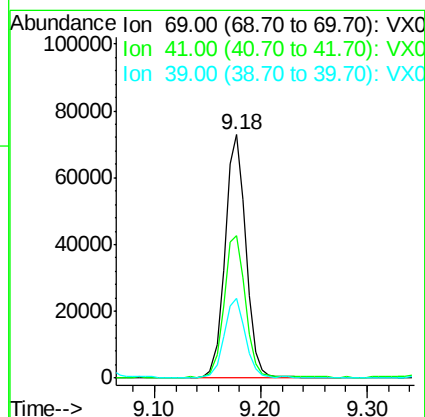
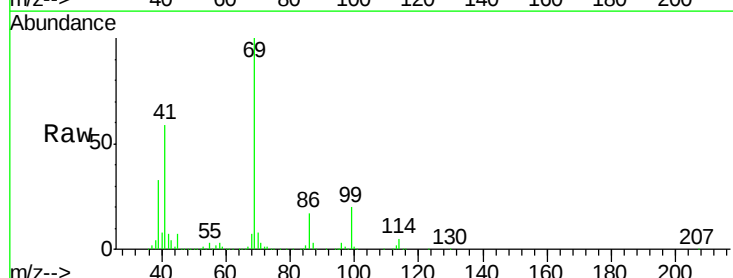
Manual Integrations
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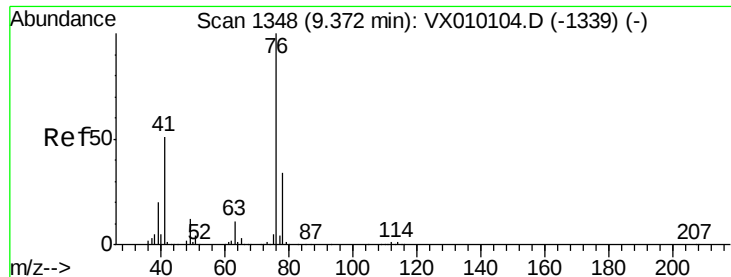
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#56
 Ethyl methacrylate
 Concen: 19.932 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Tgt Ion:	69	Resp:	99706
Ion	Ratio	Lower	Upper
69	100		
41	60.0	62.7	94.1#
39	32.7	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.938 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 76 Resp: 99401

Ion Ratio Lower Upper

76 100

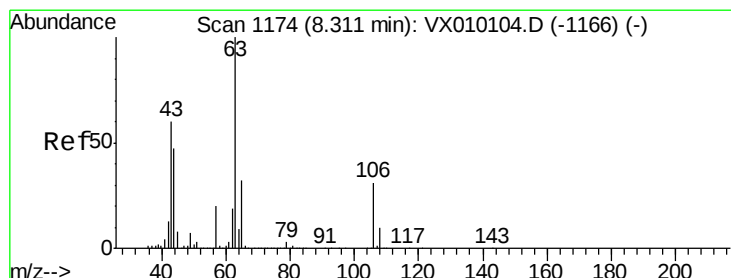
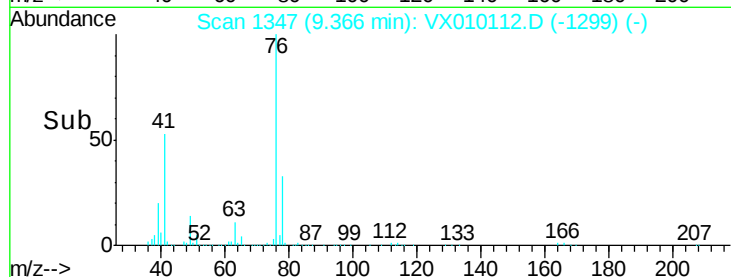
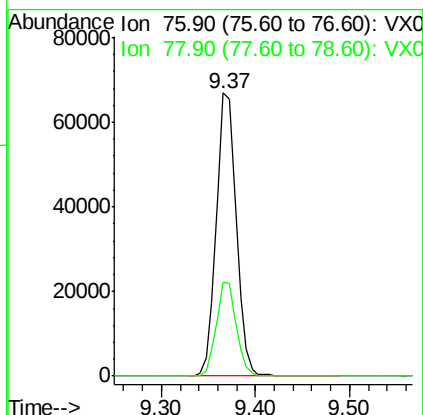
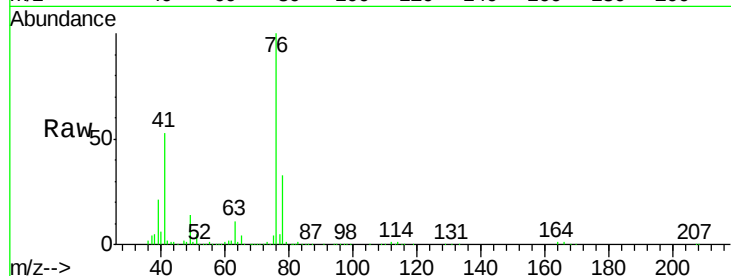
78 33.2 25.4 38.0

Manual Integrations

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6/10/2019 10:52:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.894 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010112.D

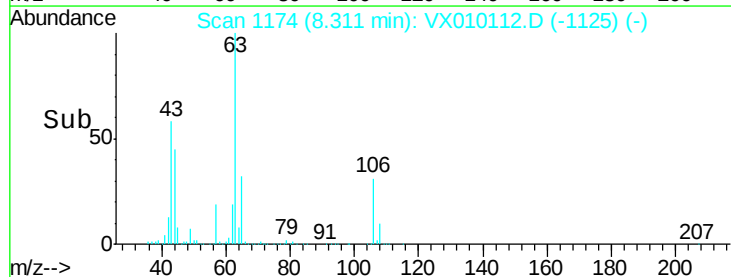
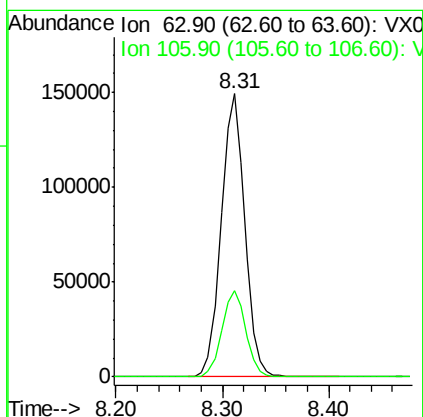
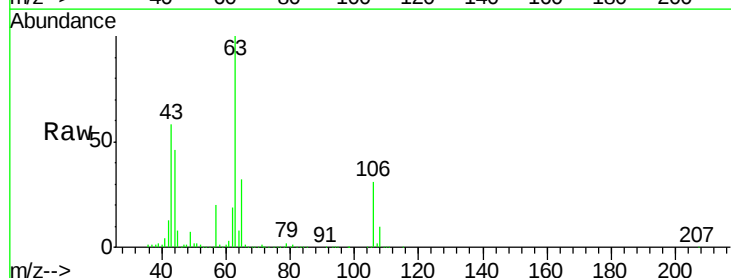
Acq: 07 Jun 2019 16:40

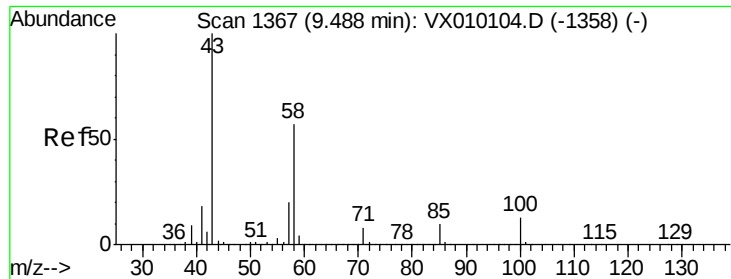
Tgt Ion: 63 Resp: 230851

Ion Ratio Lower Upper

63 100

106 30.9 19.4 29.2#





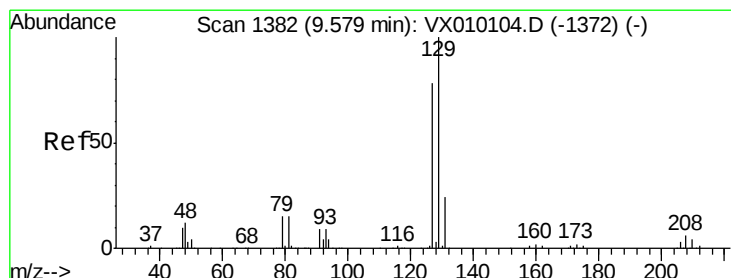
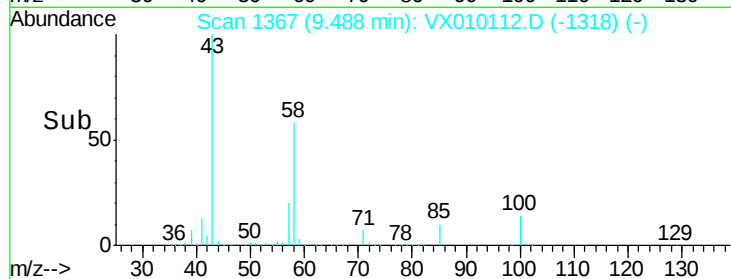
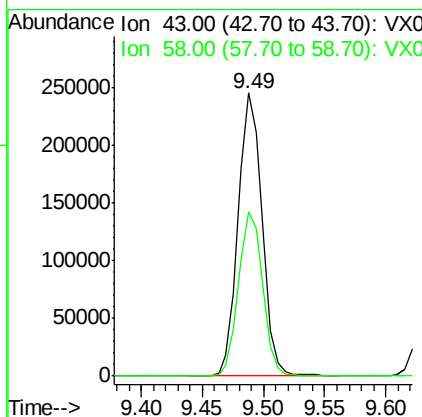
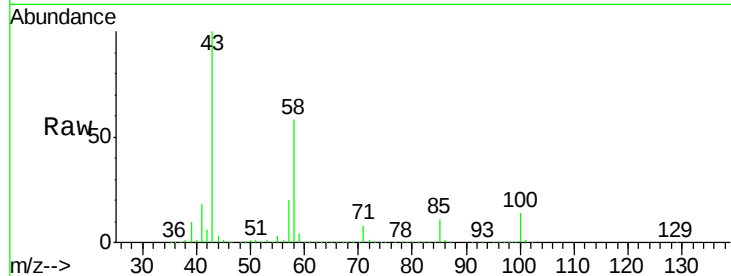
#59
2-Hexanone
Concen: 104.425 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion: 43 Resp: 329158
Ion Ratio Lower Upper
43 100
58 59.2 25.1 75.3

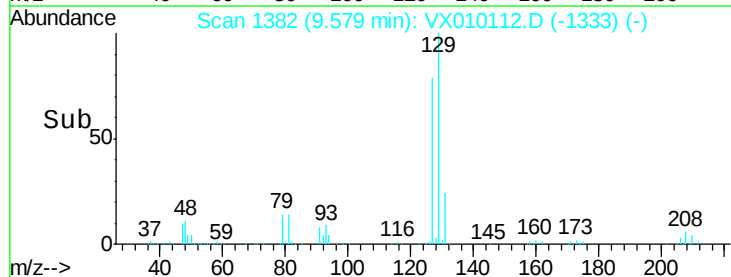
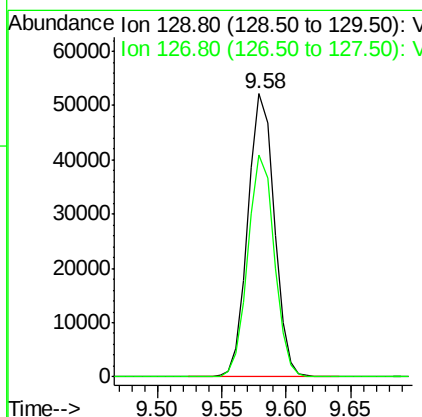
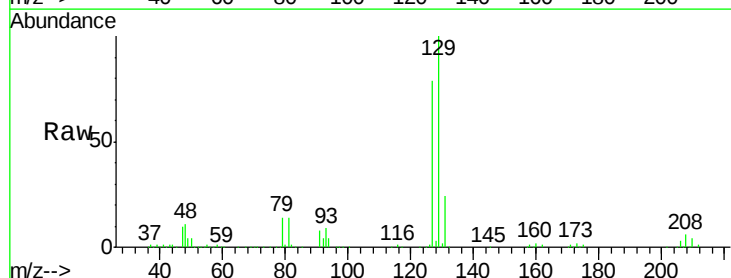
Manual Integrations
APPROVED

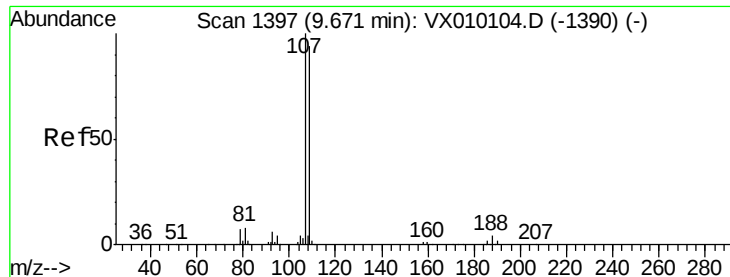
MMDadoda
6/10/2019 10:52:51 AM



#60
Dibromochloromethane
Concen: 19.699 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion: 129 Resp: 73787
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.558 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion:107 Resp: 68978

Ion Ratio Lower Upper

107 100

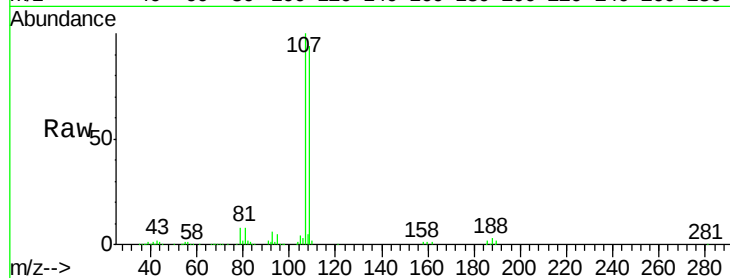
109 95.1 75.4 113.2

Manual Integrations

APPROVED

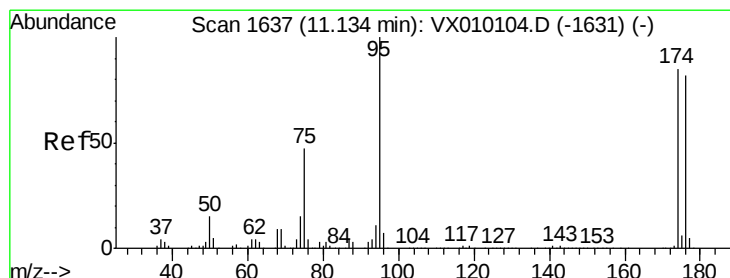
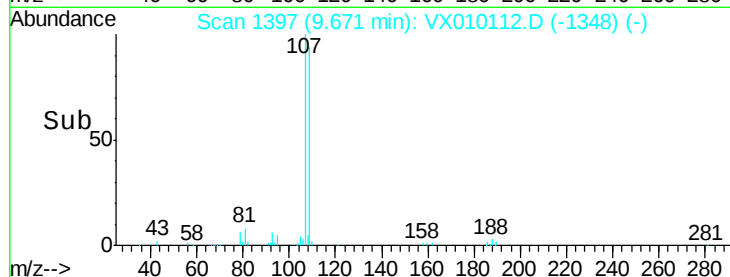
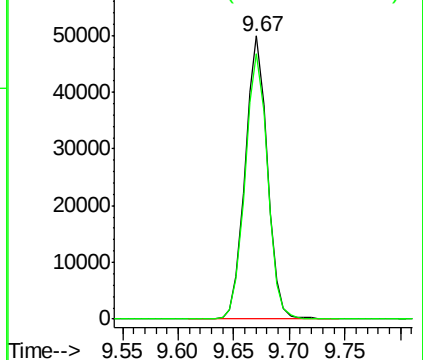
MMDadoda

6/10/2019 10:52:51 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

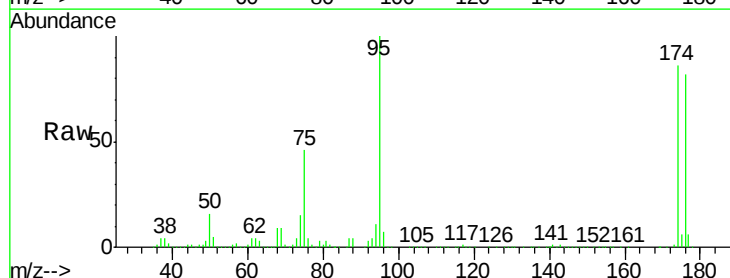
Tgt Ion: 95 Resp: 208433

Ion Ratio Lower Upper

95 100

174 88.0 0.0 160.4

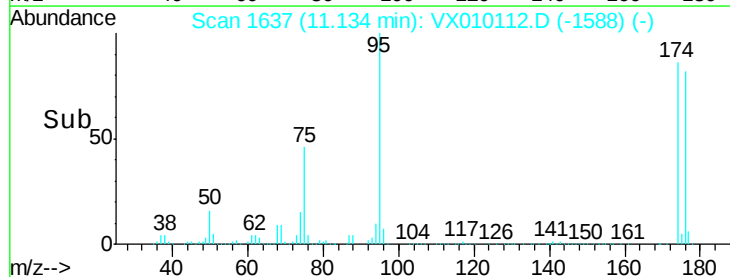
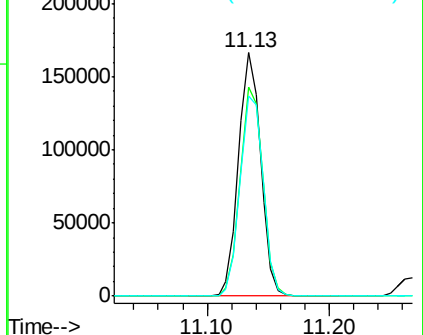
176 86.1 0.0 154.6

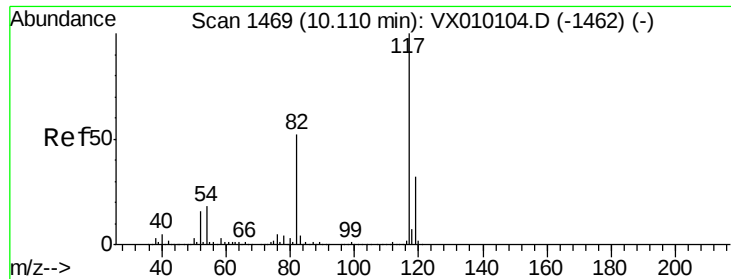


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





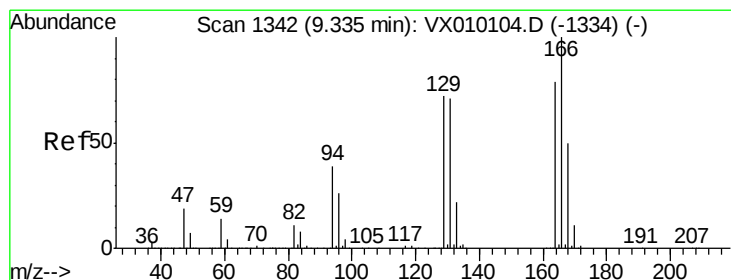
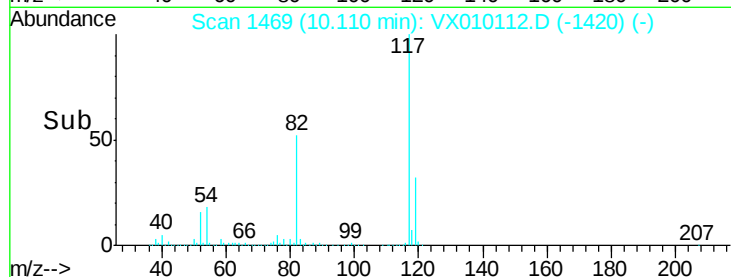
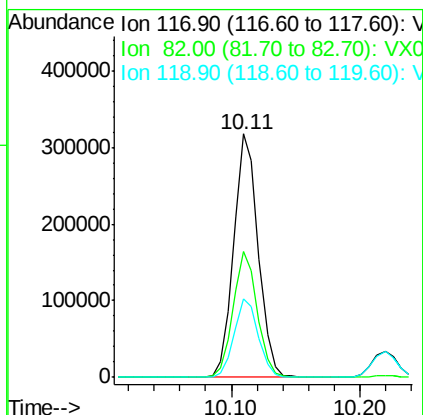
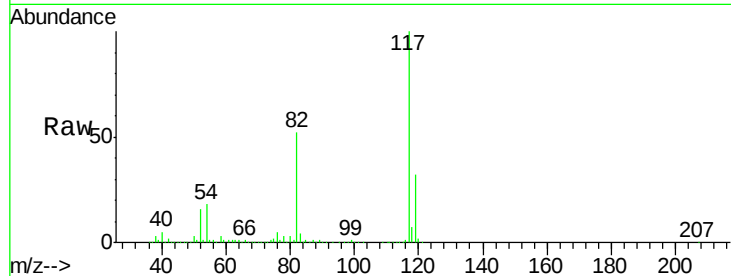
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	421137		
82	51.9	49.2	73.8	
119	32.2	25.2	37.8	

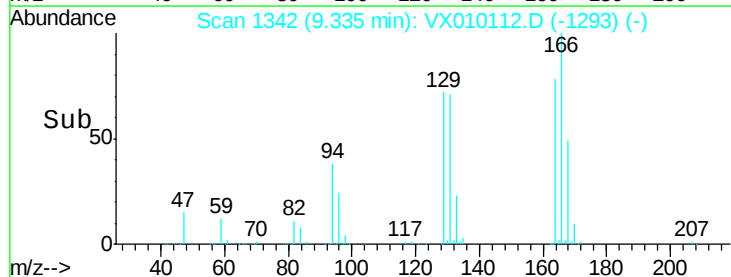
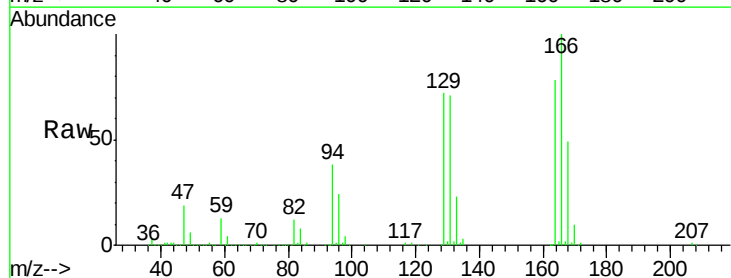
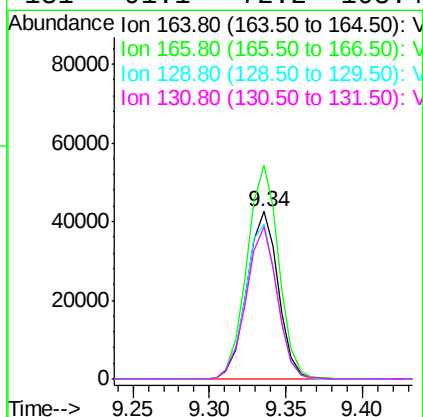
Manual Integrations
APPROVED

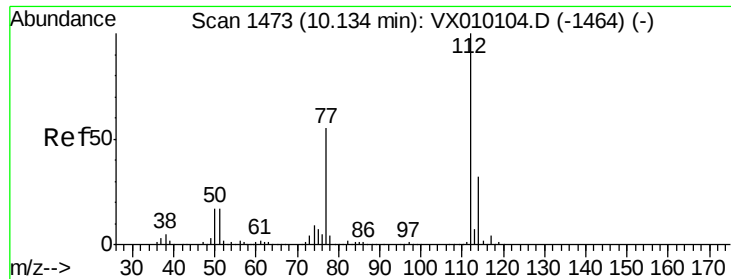
MMDadoda
6/10/2019 10:52:51 AM



#64
Tetrachloroethene
Concen: 19.389 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60647		
166	127.8	105.0	157.4	
129	92.5	75.1	112.7	
131	91.1	72.2	108.4	





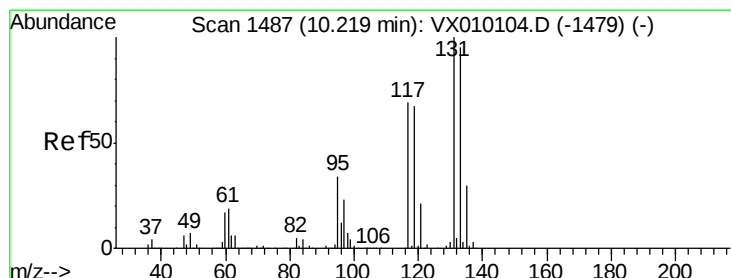
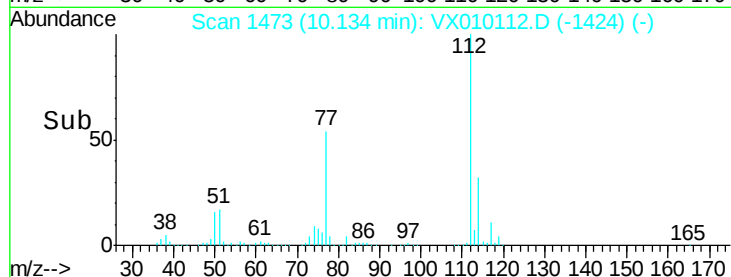
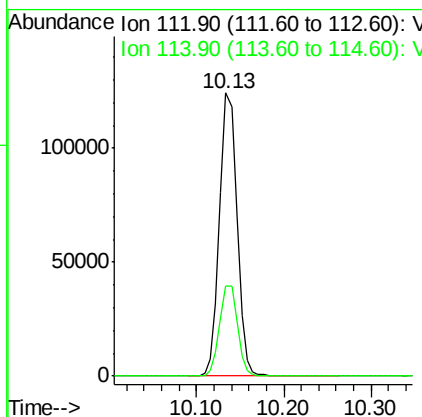
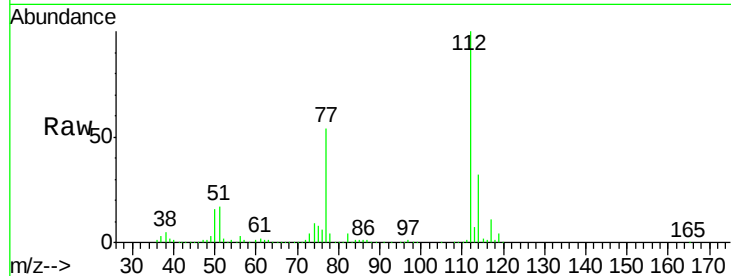
#65
Chlorobenzene
Concen: 19.871 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion:112 Resp: 172717
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

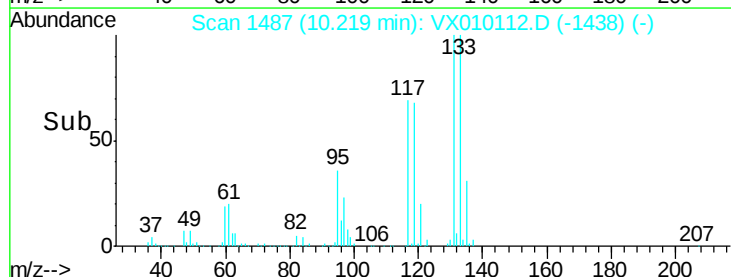
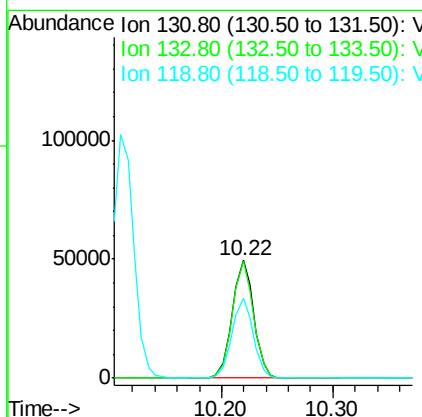
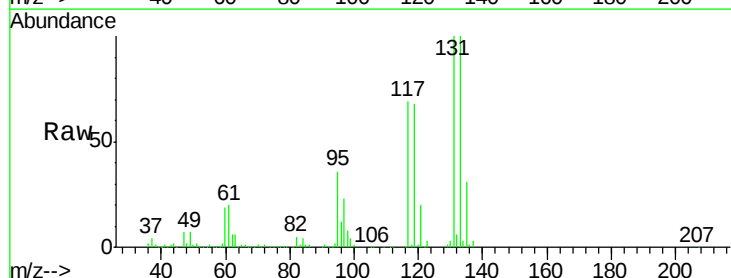
Manual Integrations
APPROVED

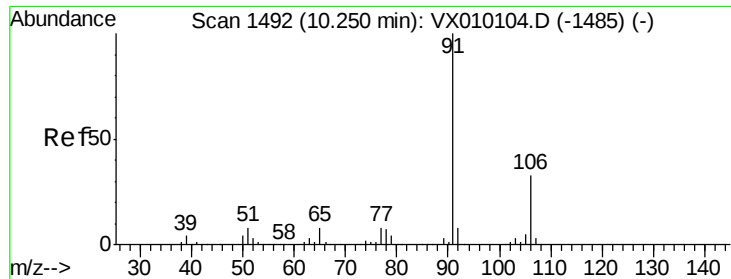
MMDadoda
6/10/2019 10:52:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.712 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion:131 Resp: 65889
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 67.7 33.4 100.1





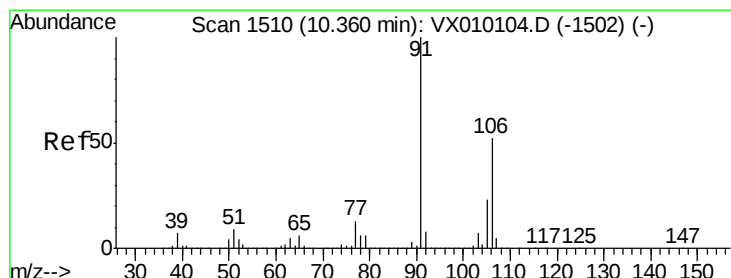
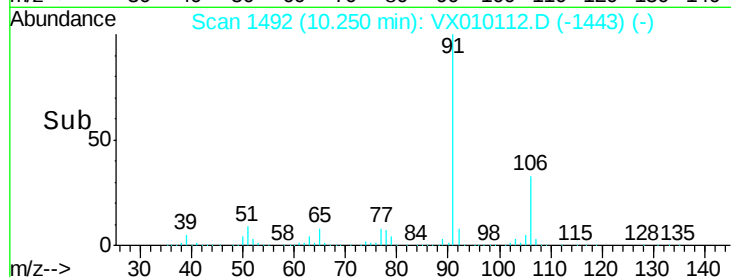
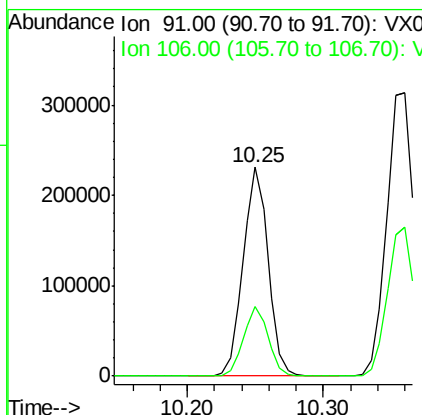
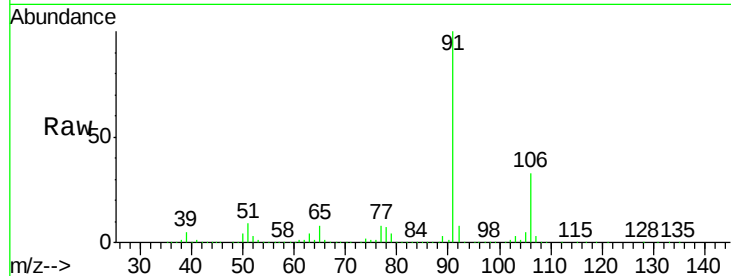
#67
Ethyl Benzene
Concen: 20.041 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion: 91 Resp: 296535
Ion Ratio Lower Upper
91 100
106 33.3 23.9 35.9

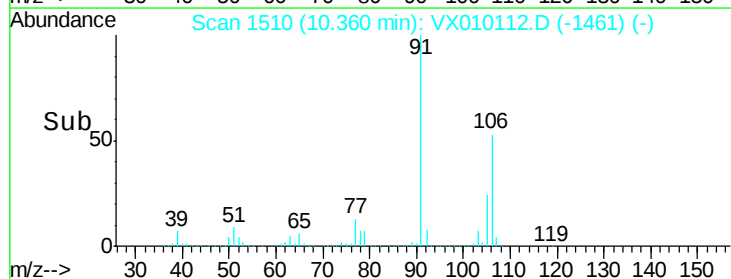
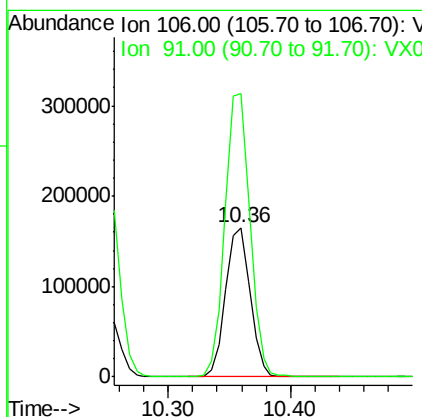
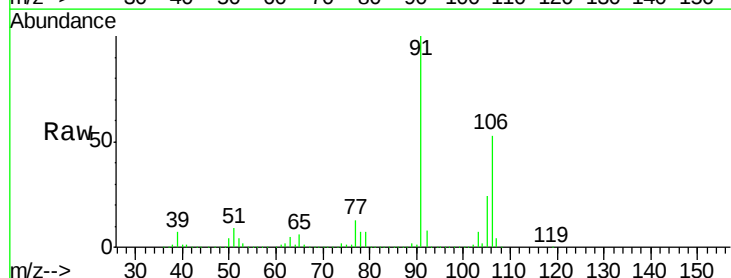
Manual Integrations
APPROVED

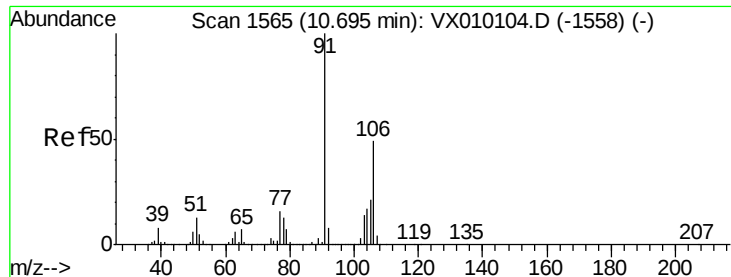
MMDadoda
6/10/2019 10:52:51 AM



#68
m/p-Xylenes
Concen: 39.947 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion: 106 Resp: 228732
Ion Ratio Lower Upper
106 100
91 194.4 167.3 250.9





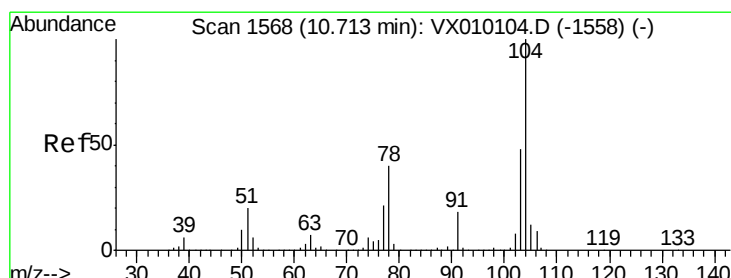
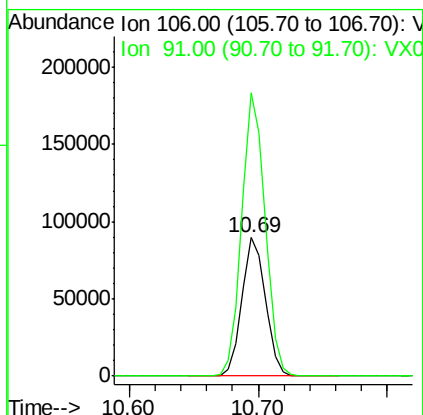
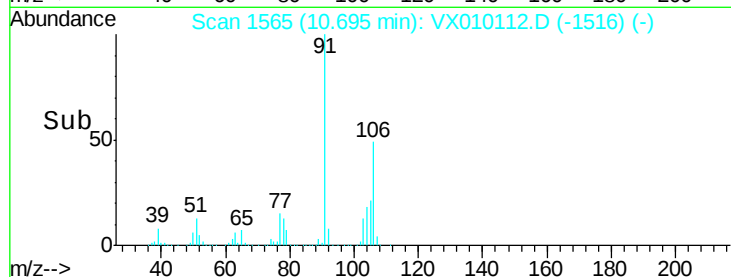
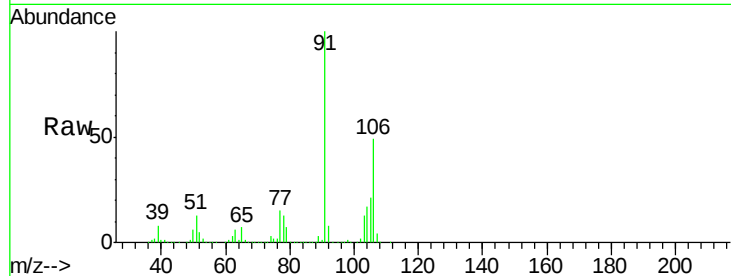
#69
o-Xylene
Concen: 19.896 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	113243		
91	91	202.8	110.4	331.2	

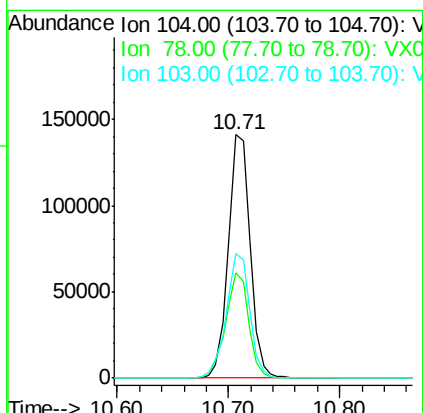
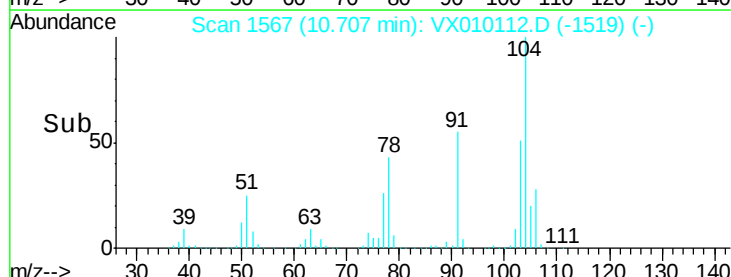
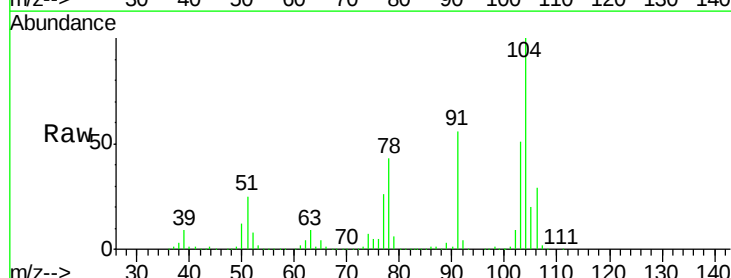
Manual Integrations
APPROVED

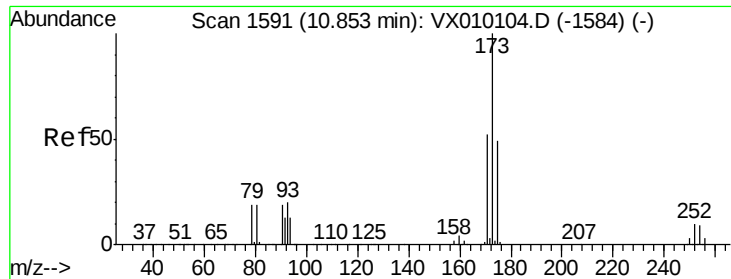
MMDadoda
6/10/2019 10:52:51 AM



#70
Styrene
Concen: 19.951 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	192330		
78	78	46.0	42.1	63.1	
103	103	54.7	44.1	66.1	





#71

Bromoform

Concen: 20.056 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion:173 Resp: 61630

Ion Ratio Lower Upper

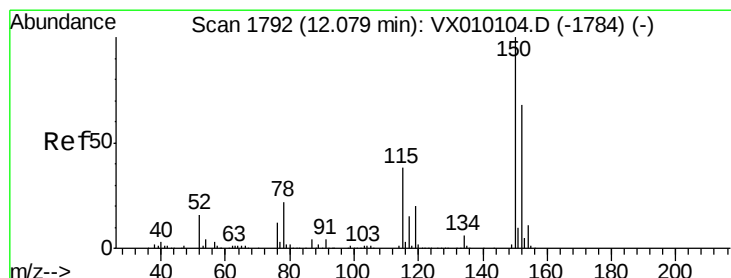
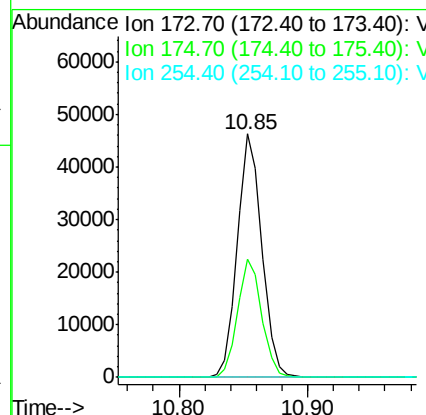
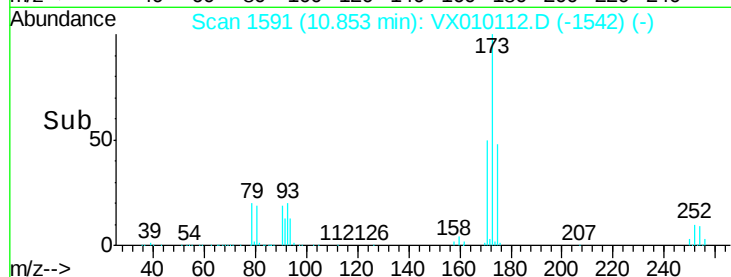
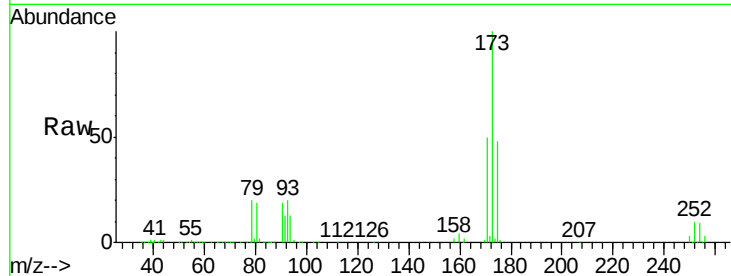
173 100

175 48.0 25.0 75.0

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:52:51 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

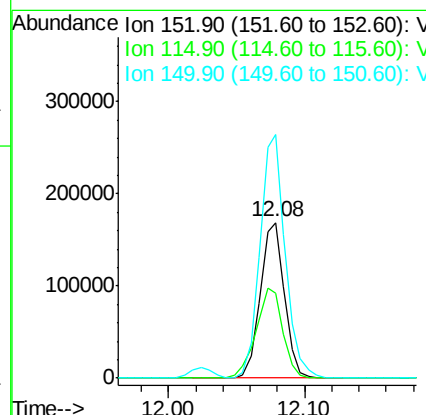
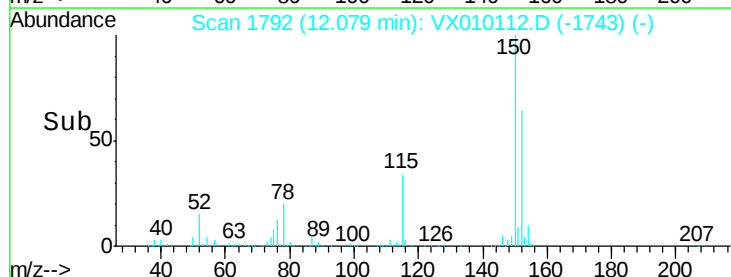
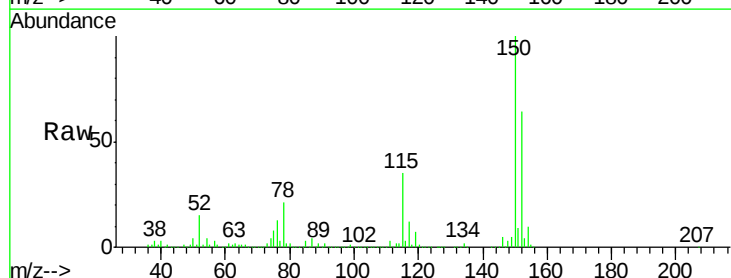
Tgt Ion:152 Resp: 210699

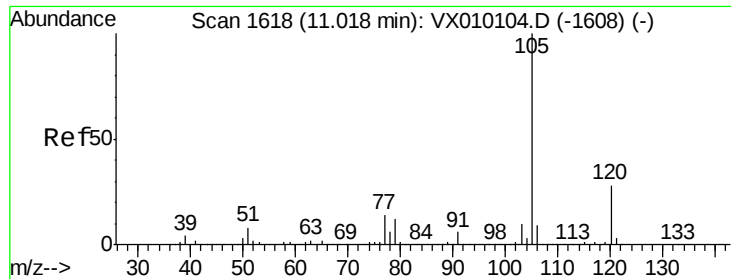
Ion Ratio Lower Upper

152 100

115 64.1 41.4 124.2

150 163.1 0.0 345.2





#73

Isopropylbenzene

Concen: 20.156 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 105 Resp: 296462

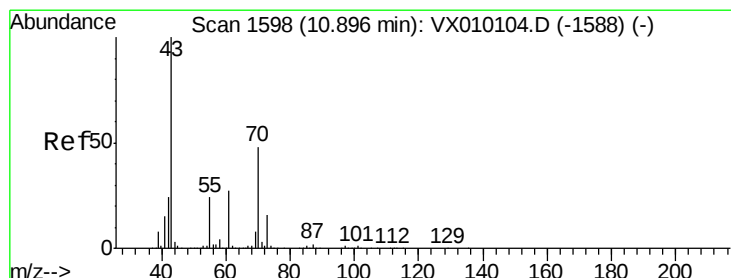
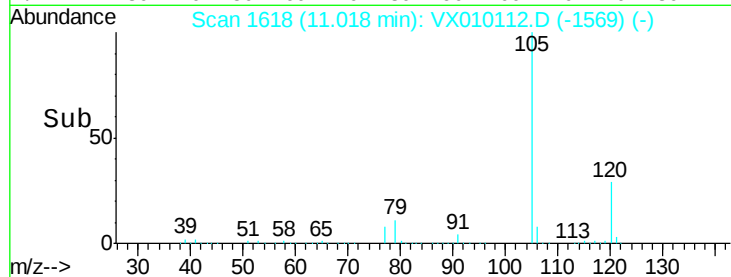
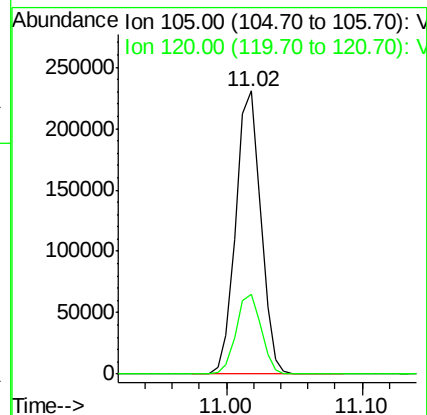
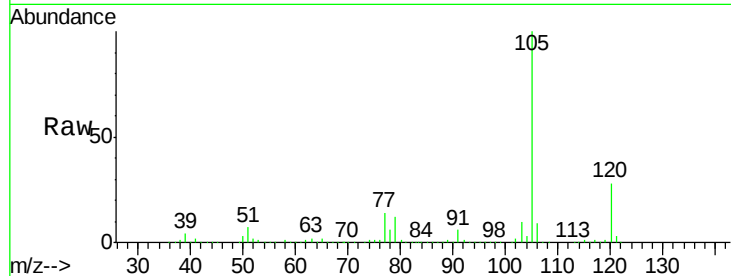
Ion Ratio Lower Upper

105 100

120 28.3 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:52:51 AM



#74

N-ethyl acetate

Concen: 20.416 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion: 43 Resp: 118699

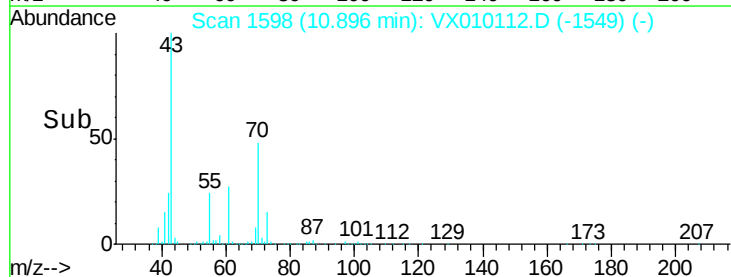
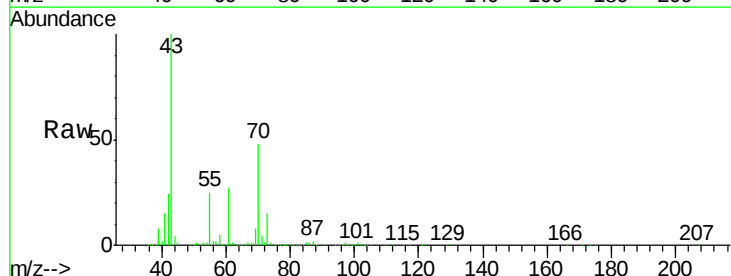
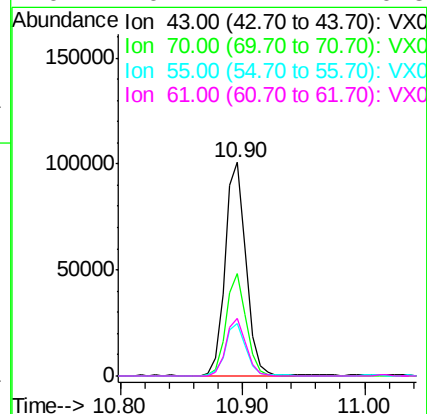
Ion Ratio Lower Upper

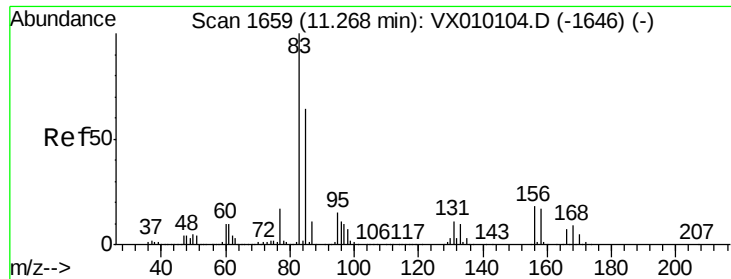
43 100

70 46.3 28.6 43.0#

55 24.2 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.136 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 83 Resp: 101379

Ion Ratio Lower Upper

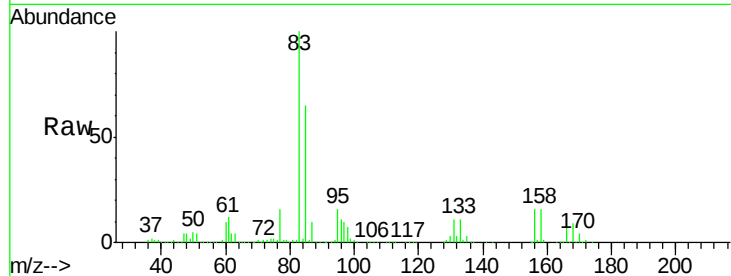
83 100

131 11.4 4.7 14.1

85 66.2 31.9 95.9

Manual Integrations
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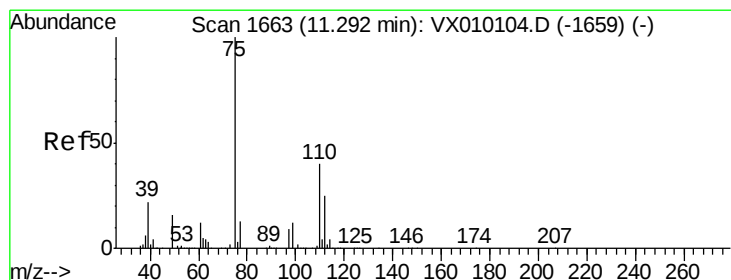
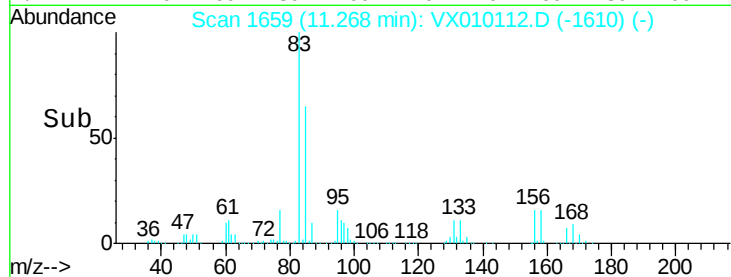
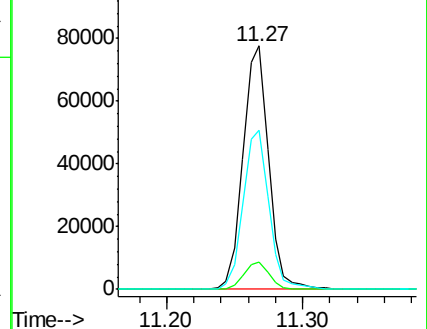
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.510 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010112.D

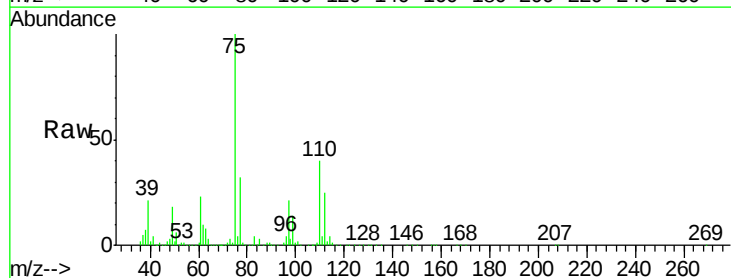
Acq: 07 Jun 2019 16:40

Tgt Ion: 75 Resp: 86436

Ion Ratio Lower Upper

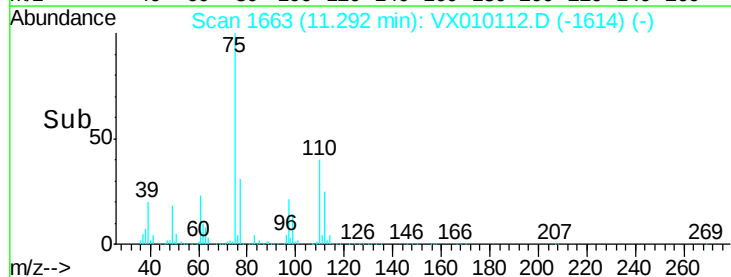
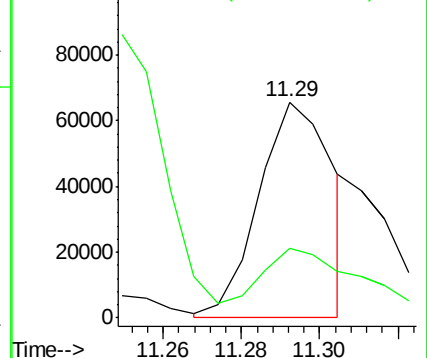
75 100

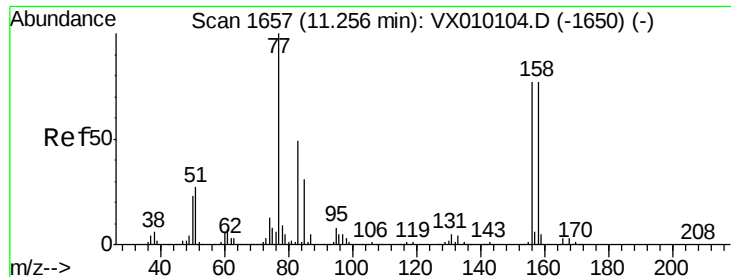
77 44.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.720 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion:156 Resp: 79761

Ion Ratio Lower Upper

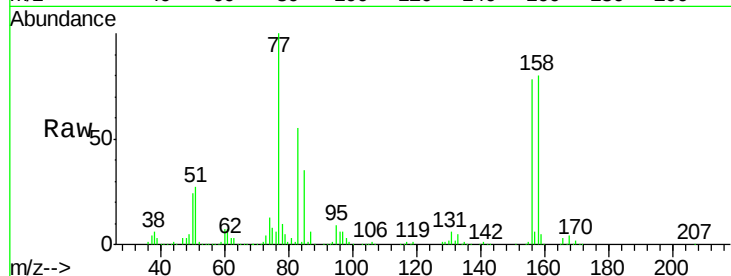
156 100

77 138.9 86.8 260.3

158 99.5 49.6 148.8

Manual Integrations
APPROVED

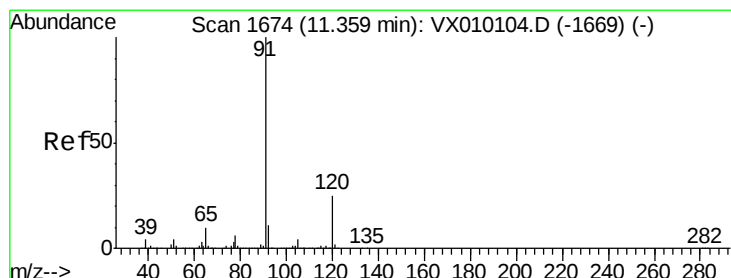
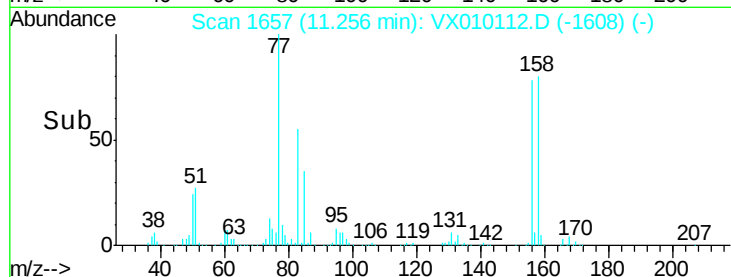
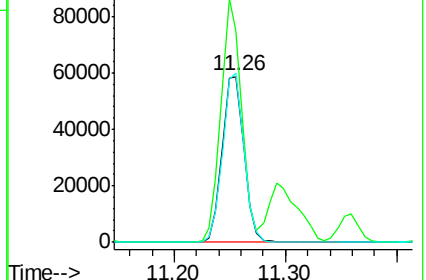
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.812 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010112.D

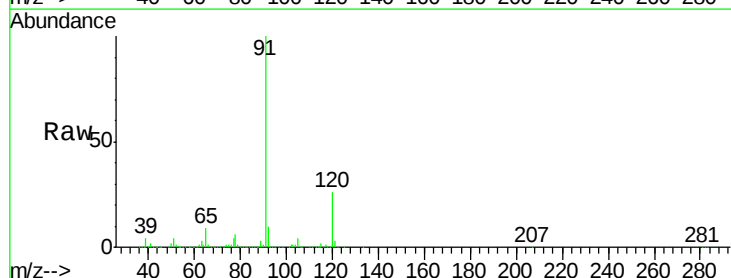
Acq: 07 Jun 2019 16:40

Tgt Ion: 91 Resp: 324405

Ion Ratio Lower Upper

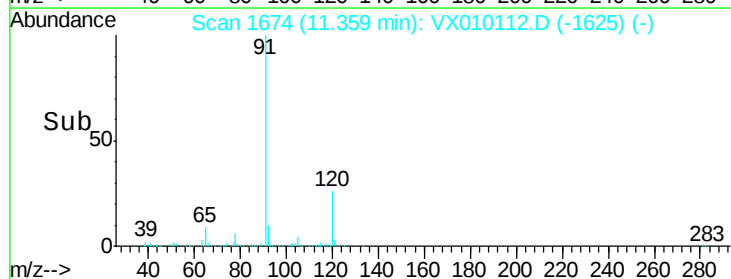
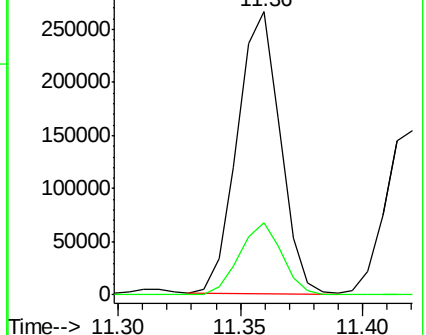
91 100

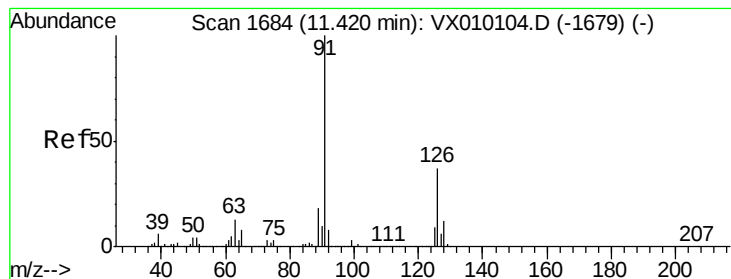
120 25.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.805 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBS01

Tot Ion: 91 Resp: 194770

Ion Ratio Lower Upper

91 100

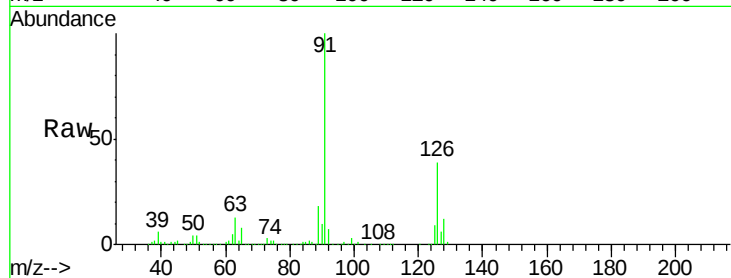
126 37.9 16.1 48.3

Manual Integrations

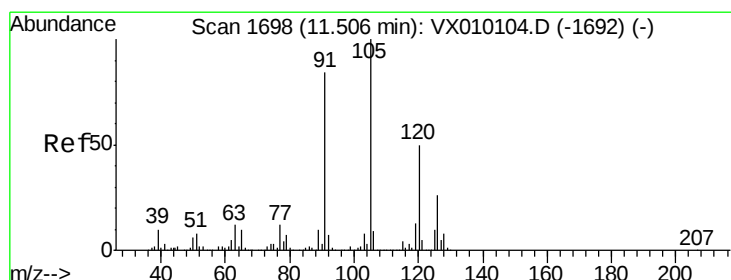
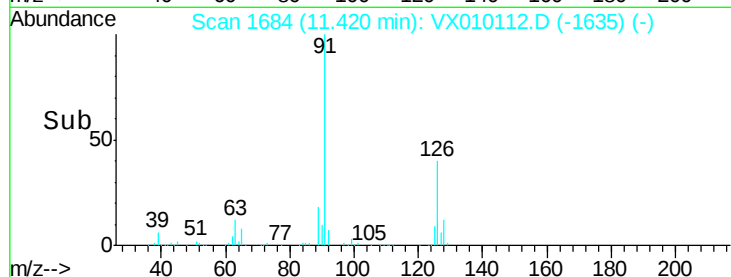
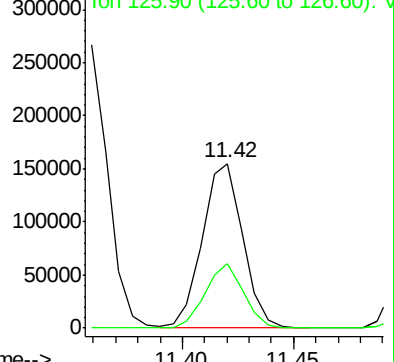
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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.041 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010112.D

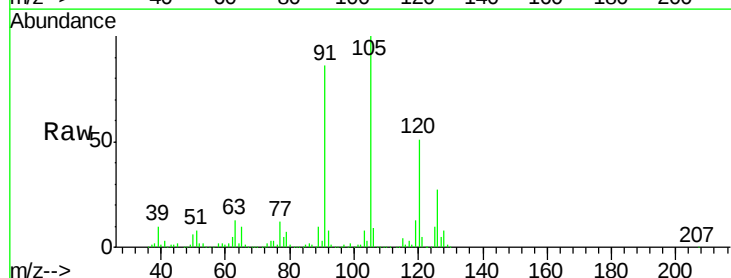
Acq: 07 Jun 2019 16:40

Tgt Ion: 105 Resp: 248269

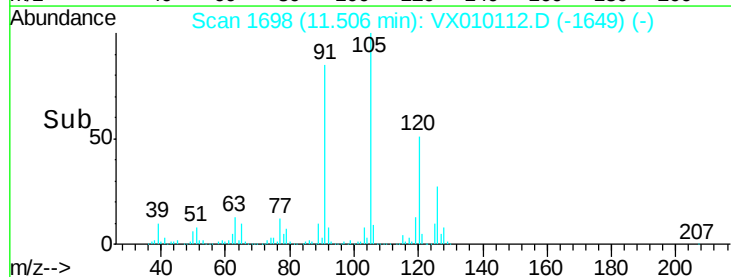
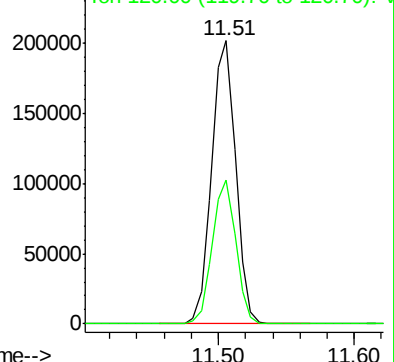
Ion Ratio Lower Upper

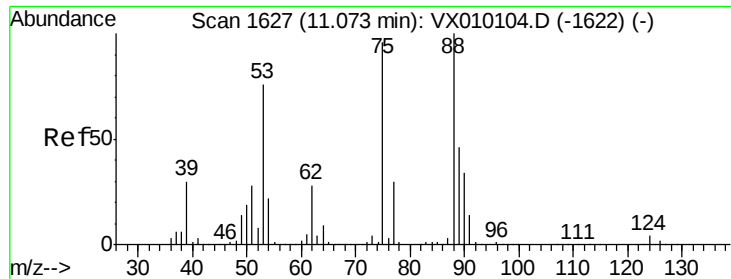
105 100

120 50.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)





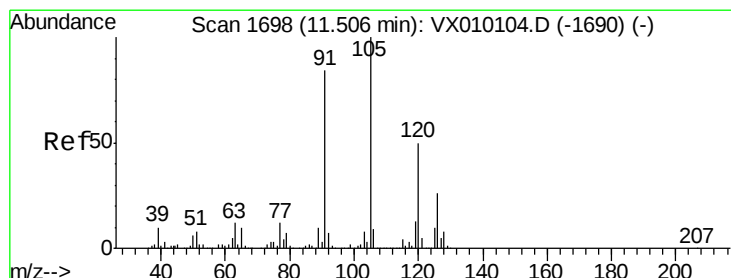
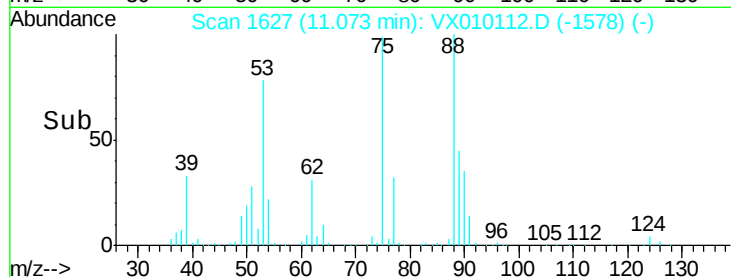
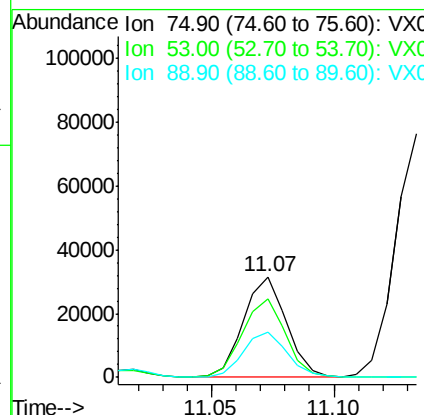
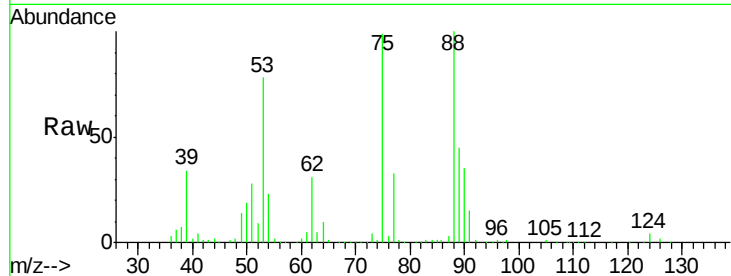
#81
trans-1,4-Dichloro-2-butene
Concen: 20.095 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.8	79.8	119.6#
89	47.1	34.2	51.4

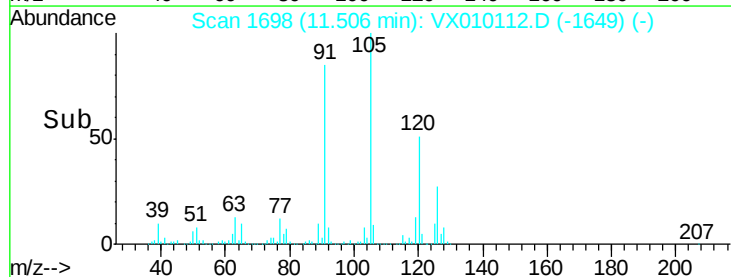
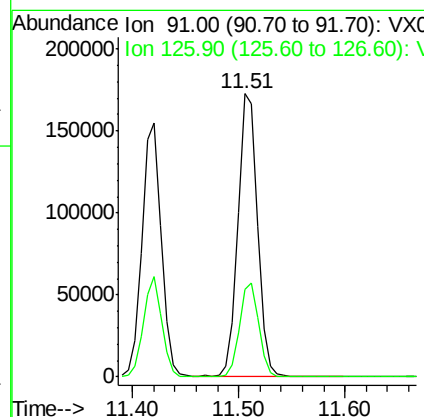
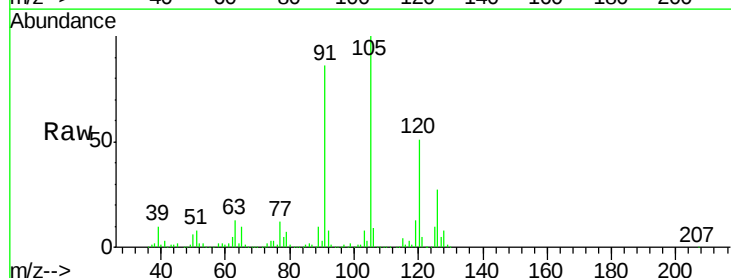
Manual Integrations
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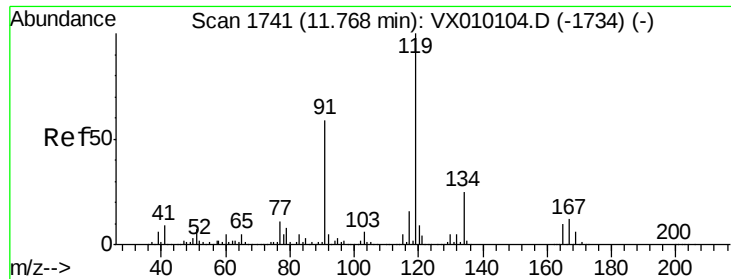
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#82
4-Chlorotoluene
Concen: 20.032 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	14.2	42.6





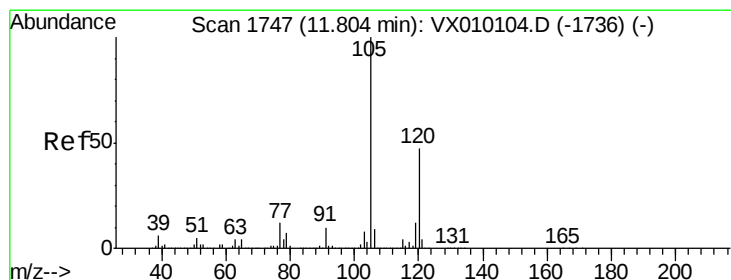
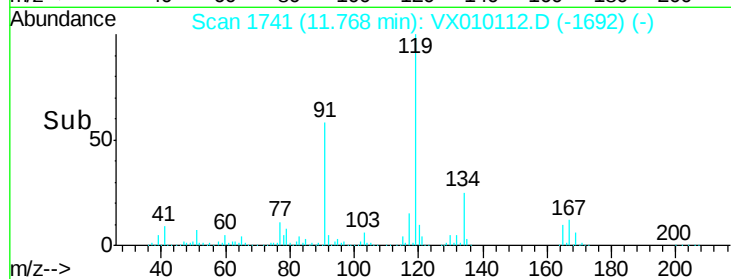
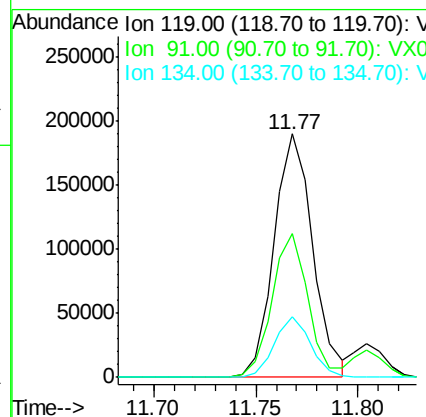
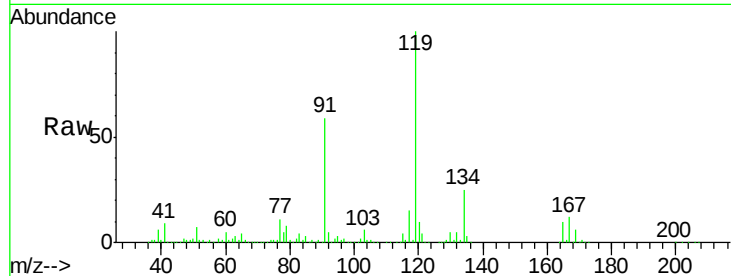
#83
 tert-Butylbenzene
 Concen: 19.985 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250582		
91	54.9		30.0	90.0
134	23.5		11.2	33.5

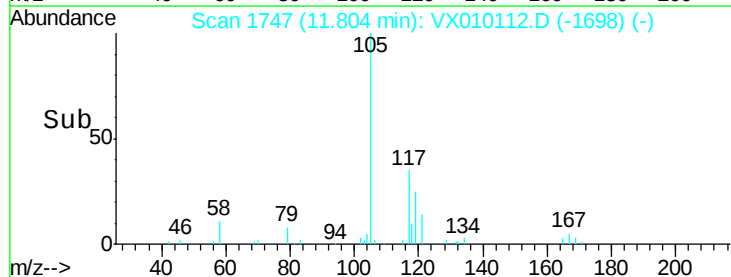
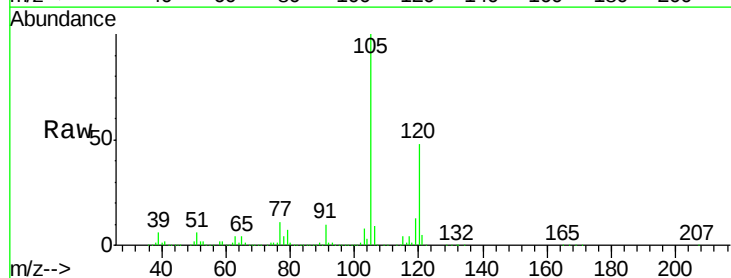
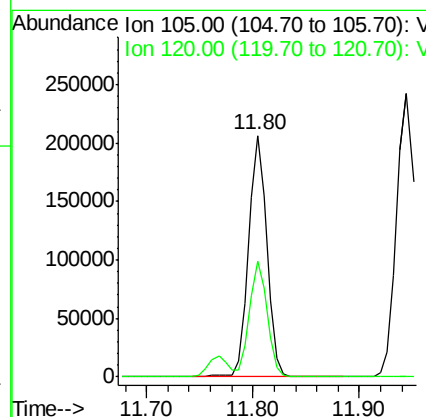
Manual Integrations
 APPROVED

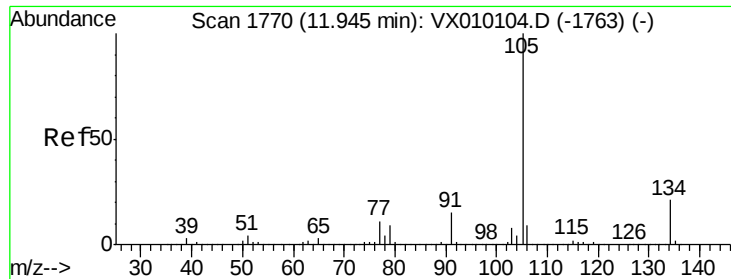
MMDadoda
 6/10/2019 10:52:51 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.959 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249757		
120	46.9		22.1	66.1





#85

sec-Butylbenzene

Concen: 19.841 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0607WBS01

Tot Ion:105 Resp: 289841

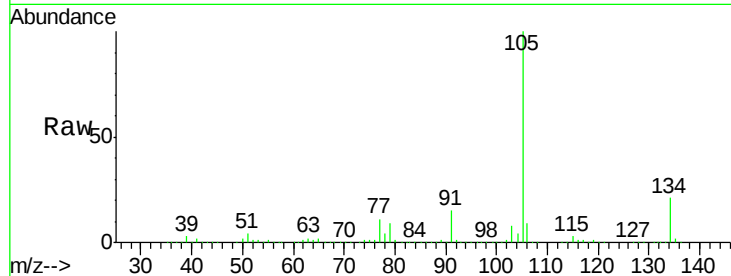
Ion Ratio Lower Upper

105 100

134 21.2 9.7 28.9

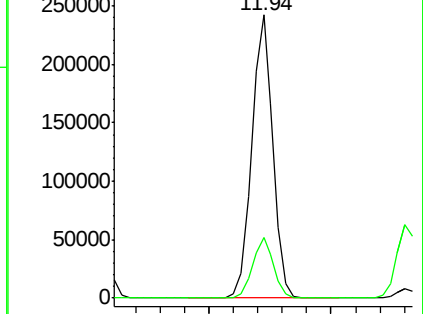
Manual Integrations
APPROVED

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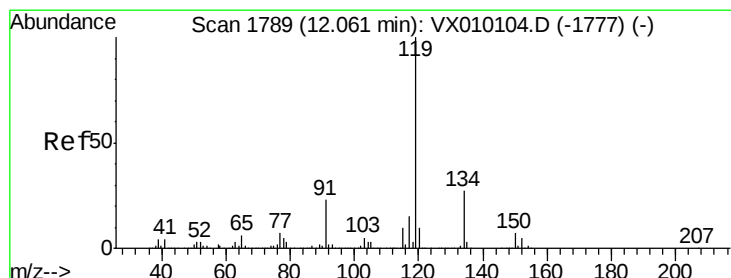
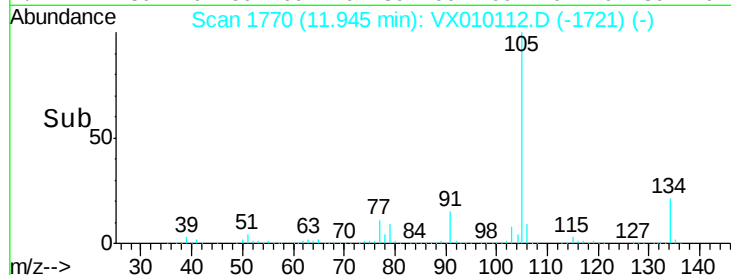


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.965 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

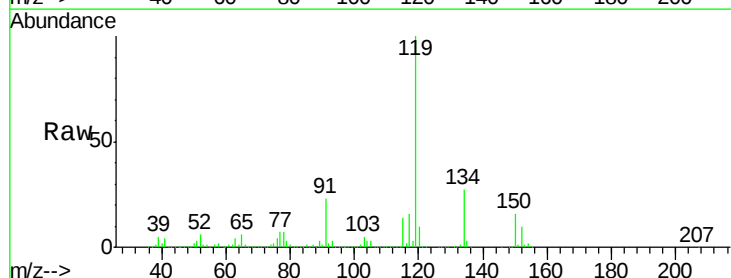
Tgt Ion:119 Resp: 266627

Ion Ratio Lower Upper

119 100

134 27.5 12.9 38.6

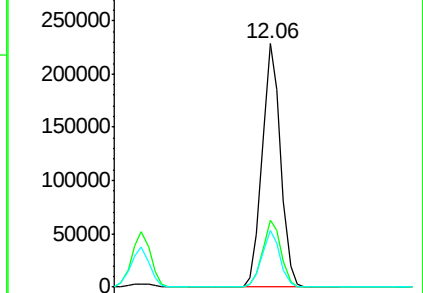
91 23.0 11.9 35.9



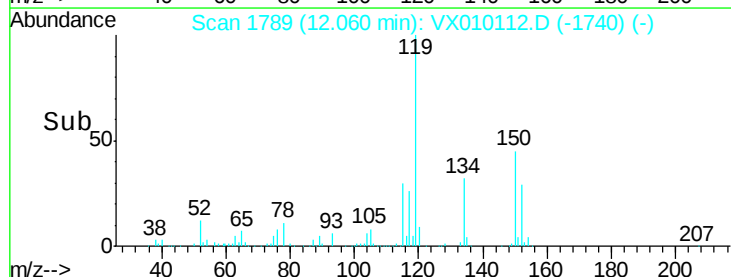
Abundance Ion 119.00 (118.70 to 119.70): V

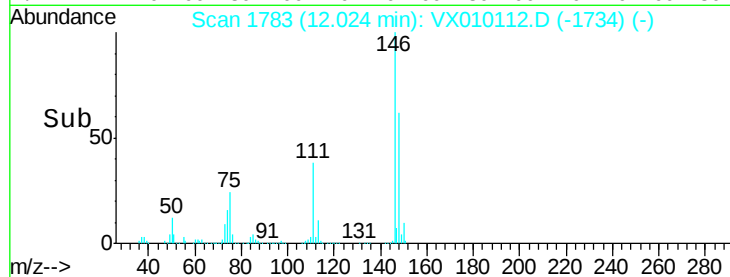
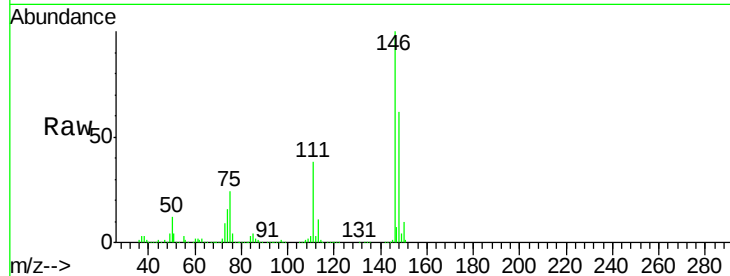
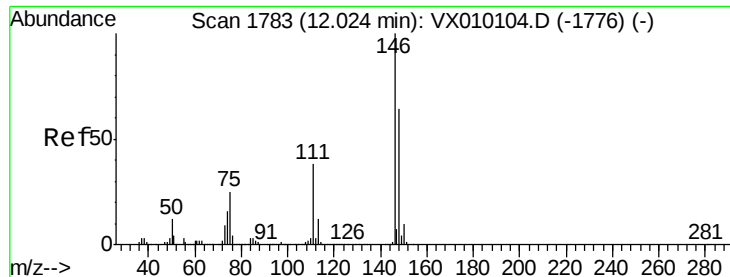
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





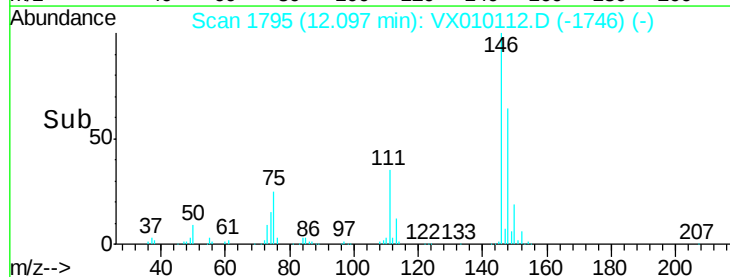
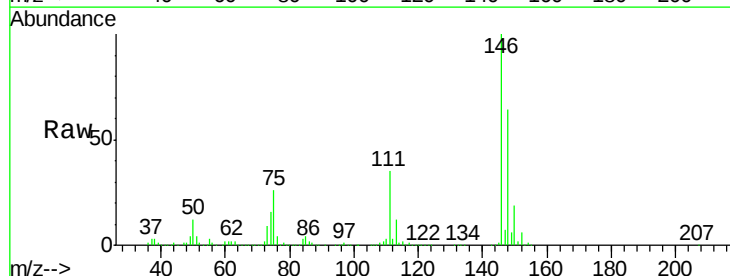
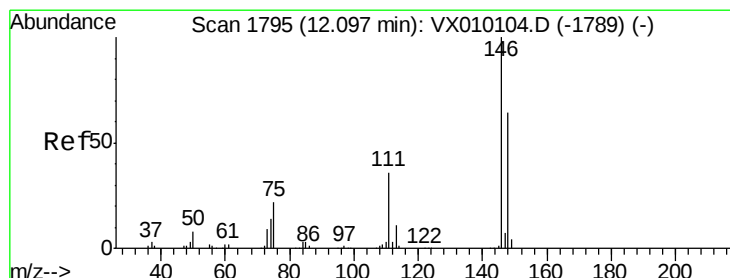
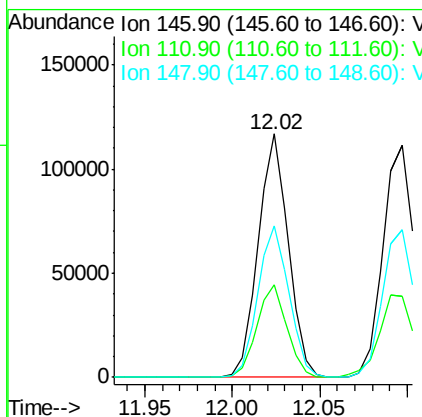
#87
 1,3-Dichlorobenzene
 Concen: 19.648 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139981		
111	38.4	20.1	60.2	
148	64.5	31.9	95.5	

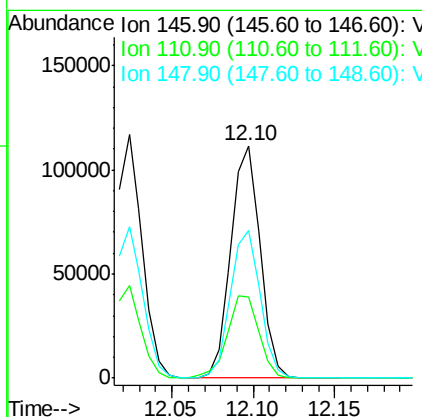
Manual Integrations
 APPROVED

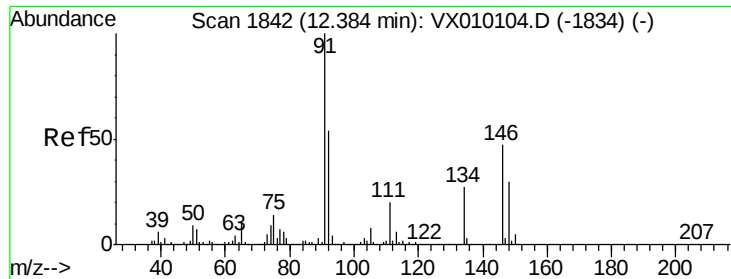
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 6/10/2019 10:52:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139195		
111	38.4	20.0	59.9	
148	65.0	32.3	96.9	





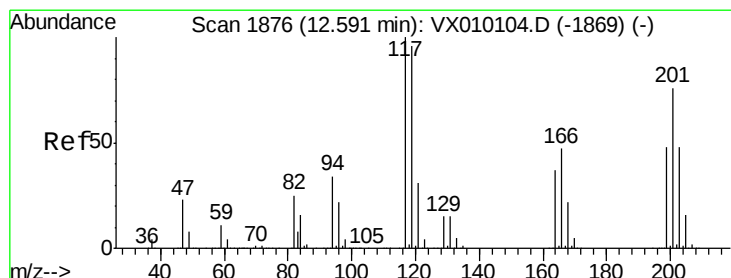
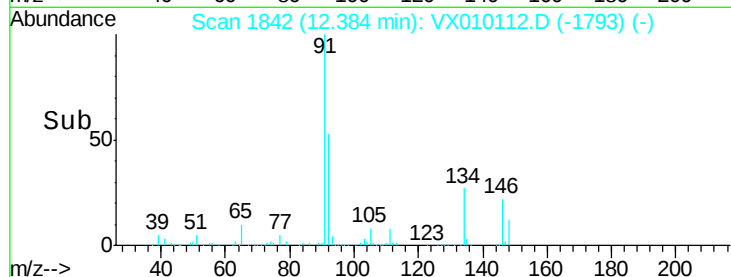
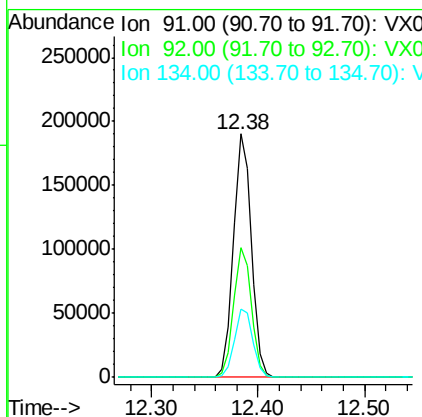
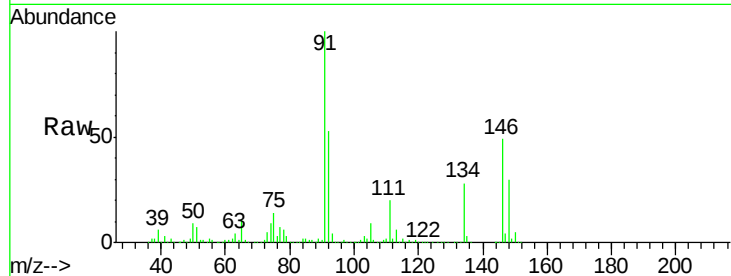
#89
n-Butylbenzene
Concen: 19.712 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	28.5	12.3	36.8

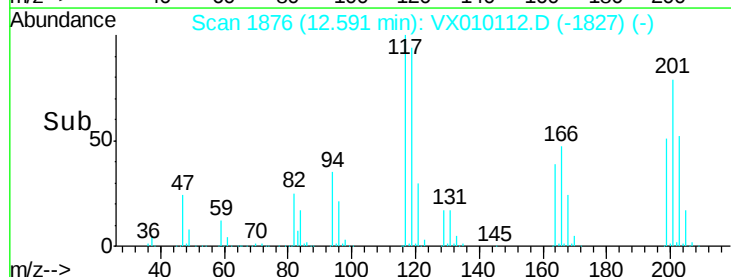
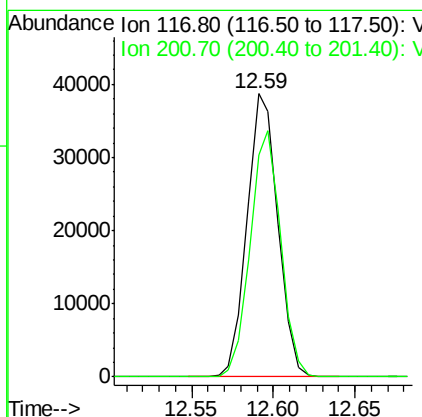
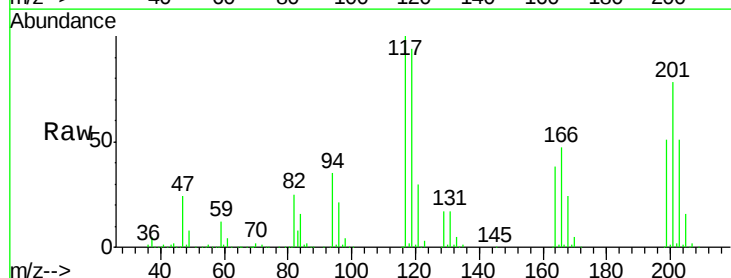
Manual Integrations
APPROVED

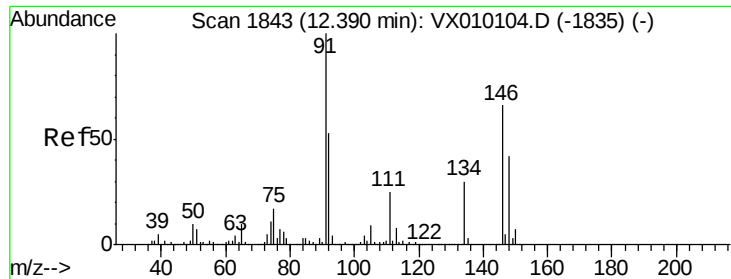
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#90
Hexachloroethane
Concen: 19.206 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 20.382 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Instrument :

MSVOA_X

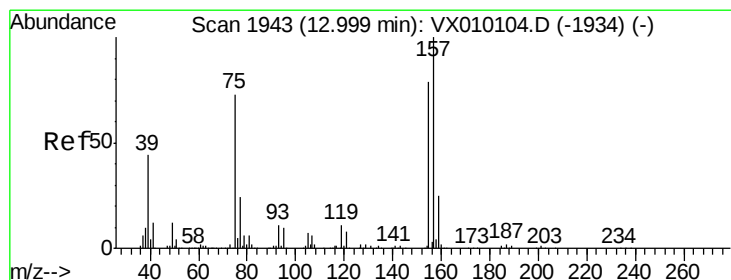
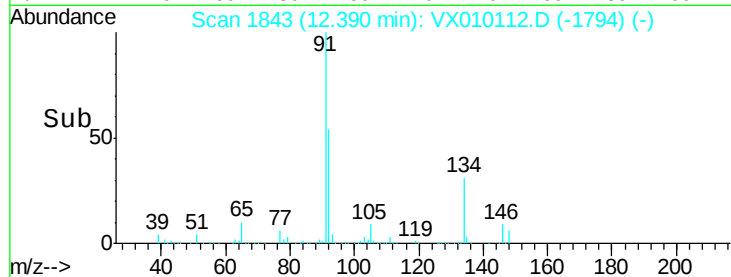
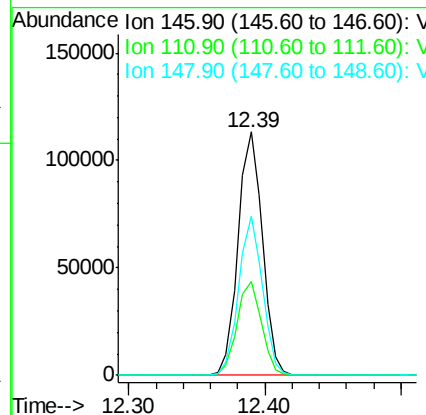
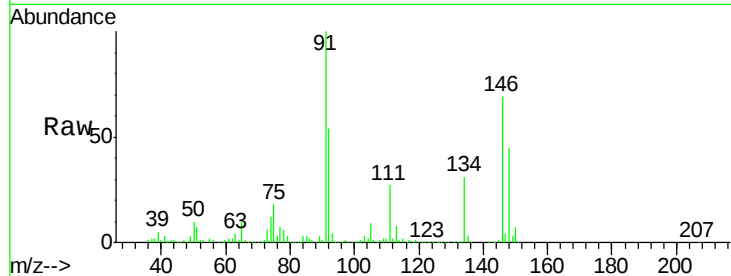
ClientSampled :

VX0607WBS01

Tot Ion:	146	Resp:	141170
Ion Ratio	Lower	Upper	
146	100		
111	38.7	21.1	63.1
148	63.8	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.350 ug/l

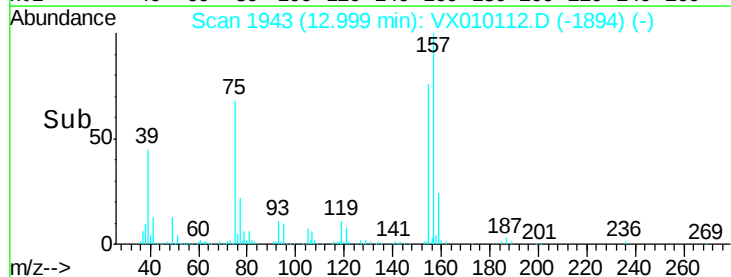
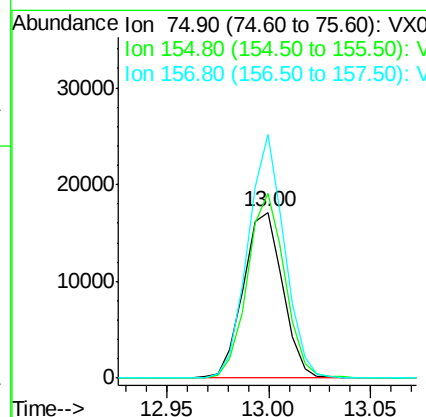
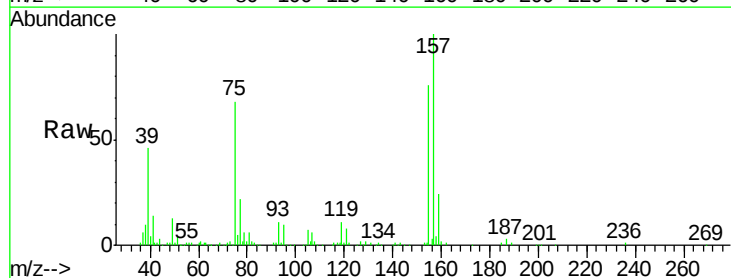
RT: 13.00 min Scan# 1943

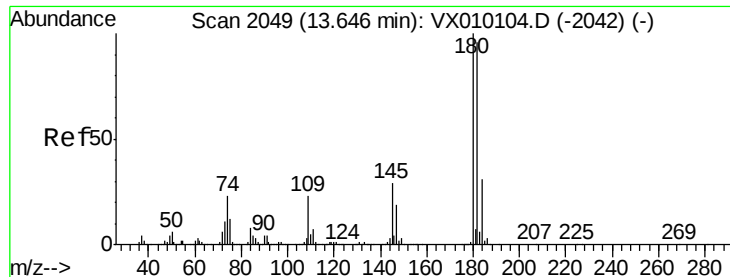
Delta R.T. -0.00 min

Lab File: VX010112.D

Acq: 07 Jun 2019 16:40

Tgt Ion:	75	Resp:	22925
Ion Ratio	Lower	Upper	
75	100		
155	106.2	39.3	117.8
157	136.3	50.6	151.8





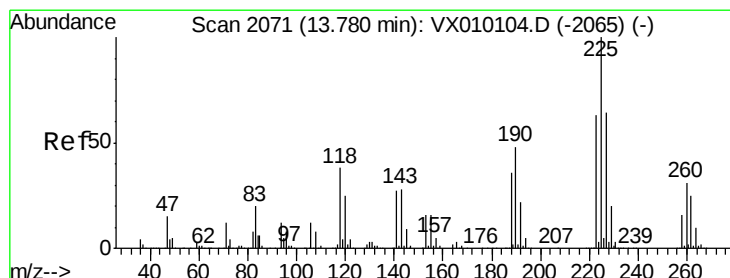
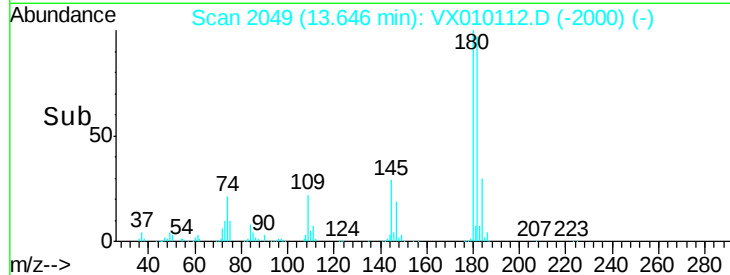
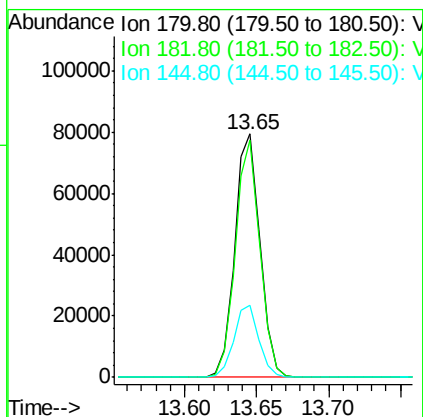
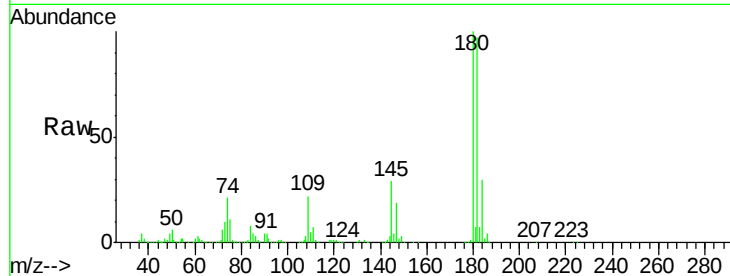
#93
 1,2,4-Trichlorobenzene
 Concen: 19.157 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	29.6	14.5	43.5

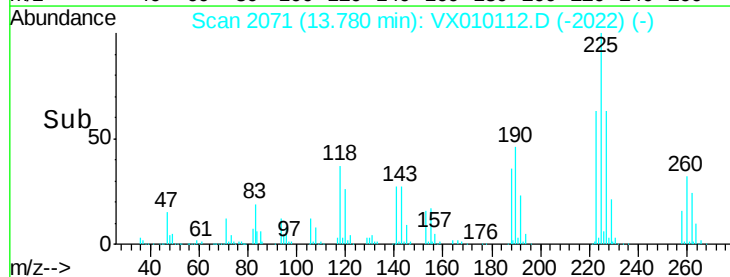
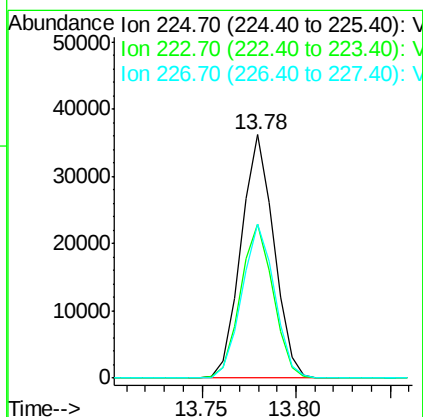
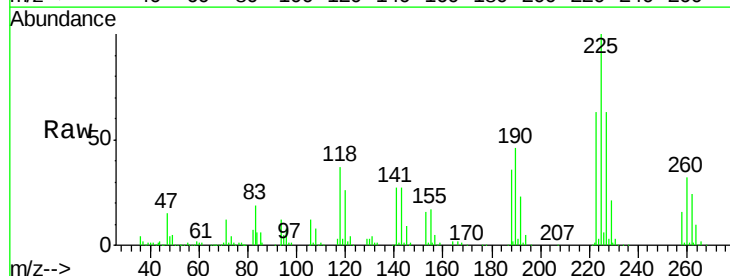
Manual Integrations
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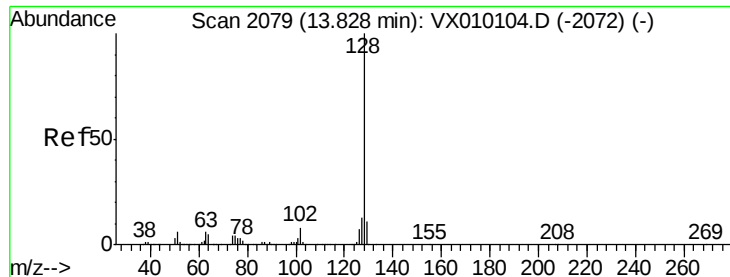
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 6/10/2019 10:52:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.420 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010112.D
 Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	62.9	32.3	96.8





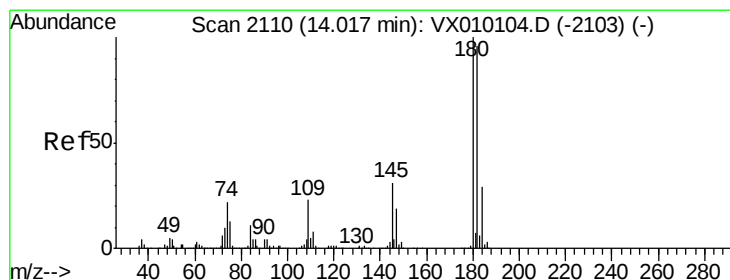
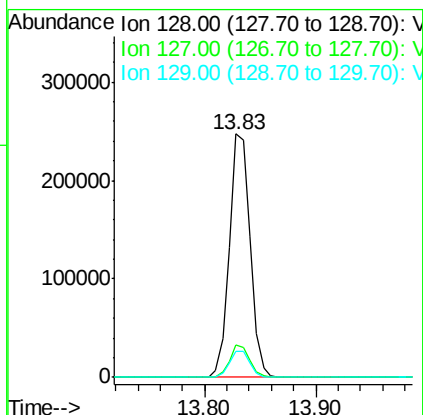
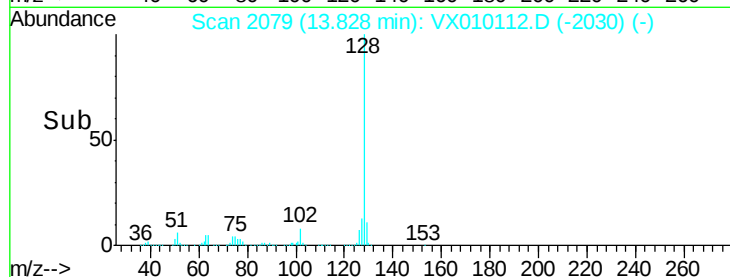
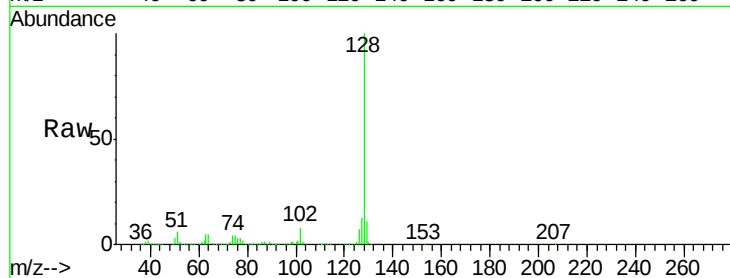
#95
Naphthalene
Concen: 19.933 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.523 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010112.D
Acq: 07 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	31.1	15.6	46.7

