

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010070.D
 Acq On : 05 Jun 2019 12:34
 Operator : JC/SP
 Sample : VX0605WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:12 AM

Quant Time: Jun 06 06:43:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106827	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	5.50	113	78816	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	8.71	98	321904	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	116696	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43132	21.645	ug/l	98
3) Chloromethane	1.33	50	47957	17.902	ug/l	99
4) Vinyl Chloride	1.41	62	44431	18.398	ug/l	98
5) Bromomethane	1.64	94	25037	17.112	ug/l	97
6) Chloroethane	1.72	64	28188	18.962	ug/l	99
7) Trichlorofluoromethane	1.93	101	51895	19.446	ug/l	100
8) Diethyl Ether	2.19	74	22466	17.915	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31770	19.719	ug/l	99
10) Methyl Iodide	2.51	142	32689	19.516	ug/l	99
11) Tert butyl alcohol	3.05	59	53758	94.830	ug/l	98
12) 1,1-Dichloroethene	2.37	96	31803	19.258	ug/l	99
13) Acrolein	2.29	56	32560	95.289	ug/l	98
14) Allyl chloride	2.73	41	76073	18.953	ug/l	98
15) Acrylonitrile	3.14	53	125775	92.082	ug/l	99
16) Acetone	2.45	43	122625	92.137	ug/l	98
17) Carbon Disulfide	2.57	76	96557	19.545	ug/l	100
18) Methyl Acetate	2.78	43	57310	18.506	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	121078	19.419	ug/l	98
20) Methylene Chloride	2.86	84	38533	18.906	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	34691	18.879	ug/l	98
22) Diisopropyl ether	3.85	45	146395	19.169	ug/l	95
23) Vinyl Acetate	3.82	43	655551	95.550	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71401	19.292	ug/l	99
25) 2-Butanone	4.68	43	193018	93.087	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53173	18.992	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40164	18.935	ug/l	97
28) Bromochloromethane	5.02	49	33899	17.650	ug/l	98
29) Tetrahydrofuran	5.13	42	122971	92.482	ug/l	98
30) Chloroform	5.21	83	65549	19.638	ug/l	95
31) Cyclohexane	5.58	56	70907	20.228	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	54745	20.139	ug/l	99
36) 1,1-Dichloropropene	5.80	75	50153	19.222	ug/l	99
37) Ethyl Acetate	4.84	43	69705	19.173	ug/l	99
38) Carbon Tetrachloride	5.79	117	45779	20.304	ug/l	96

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61912	20.004	ug/l	98
40) Benzene	6.15	78	155777	20.126	ug/l	99
41) Methacrylonitrile	5.04	41	38668	18.202	ug/l	95
42) 1,2-Dichloroethane	6.19	62	56200	19.640	ug/l	99
43) Isopropyl Acetate	6.45	43	112201	19.127	ug/l	99
44) Trichloroethene	7.21	130	37260	19.818	ug/l	97
45) 1,2-Dichloropropane	7.51	63	43868	19.689	ug/l	97
46) Dibromomethane	7.66	93	24892	18.979	ug/l	98
47) Bromodichloromethane	7.90	83	49314	19.773	ug/l	97
48) Methyl methacrylate	7.77	41	55893	19.247	ug/l	98
49) 1,4-Dioxane	7.74	88	21938	406.134	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	369603	96.855	ug/l	99
52) Toluene	8.79	92	94763	20.164	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57480	19.217	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	63656	19.533	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38083	20.134	ug/l	98
56) Ethyl methacrylate	9.18	69	68581	20.366	ug/l	98
57) 1,3-Dichloropropane	9.37	76	66361	19.536	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	170074	96.316	ug/l	100
59) 2-Hexanone	9.49	43	293865	100.023	ug/l	99
60) Dibromochloromethane	9.58	129	36820	19.789	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39250	20.198	ug/l	99
64) Tetrachloroethene	9.34	164	35220	21.521	ug/l	99
65) Chlorobenzene	10.14	112	100276	20.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	34913	20.522	ug/l	99
67) Ethyl Benzene	10.25	91	178924	20.316	ug/l	99
68) m/p-Xylenes	10.36	106	133388	40.997	ug/l	99
69) o-Xylene	10.69	106	64510	20.674	ug/l	100
70) Styrene	10.71	104	112353	20.534	ug/l	100
71) Bromoform	10.85	173	28438	20.450	ug/l #	99
73) Isopropylbenzene	11.02	105	173625	20.623	ug/l	100
74) N-amyl acetate	10.90	43	99759	19.829	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62313	19.839	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54017m	19.796	ug/l	
77) Bromobenzene	11.26	156	43277	20.170	ug/l	96
78) n-propylbenzene	11.36	91	198727	20.478	ug/l	99
79) 2-Chlorotoluene	11.42	91	119152	20.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	145497	20.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20529	18.614	ug/l	95
82) 4-Chlorotoluene	11.51	91	135823	19.678	ug/l	99
83) tert-Butylbenzene	11.77	119	138642	20.431	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	147976	20.543	ug/l	100
85) sec-Butylbenzene	11.94	105	166167	20.584	ug/l	100
86) p-Isopropyltoluene	12.06	119	152420	20.991	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76620	20.058	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77198	19.817	ug/l	99
89) n-Butylbenzene	12.38	91	135340	19.833	ug/l	99
90) Hexachloroethane	12.60	117	24909	19.989	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76683	20.361	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13709	18.542	ug/l	94

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ClientSampleId :
VX0605WBS01

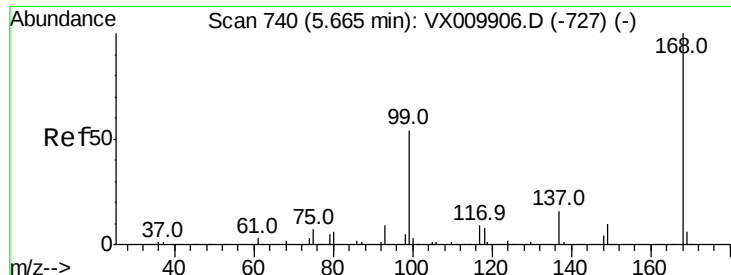
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55784	20.727	ug/l	99
94) Hexachlorobutadiene	13.78	225	25950	19.224	ug/l	100
95) Naphthalene	13.83	128	172512	20.598	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	54776	20.333	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:168 Resp: 163069

Ion Ratio Lower Upper

168 100

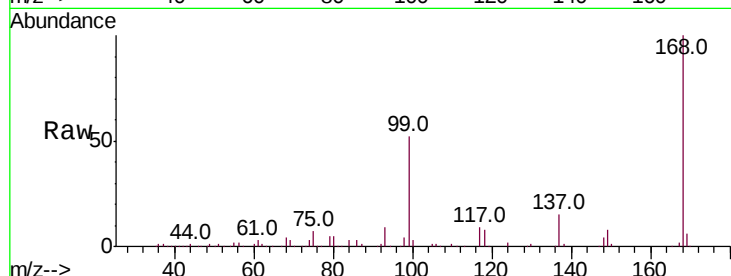
99 52.0 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

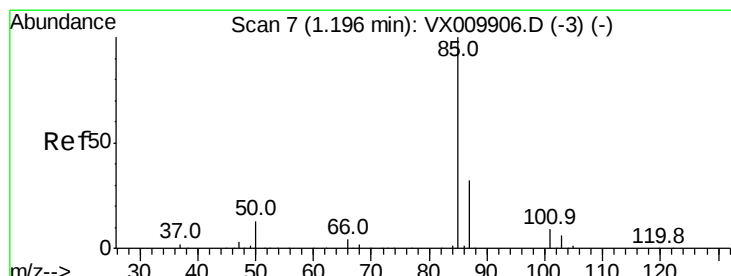
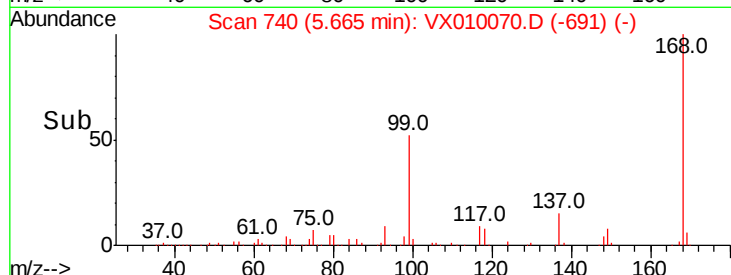
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.645 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010070.D

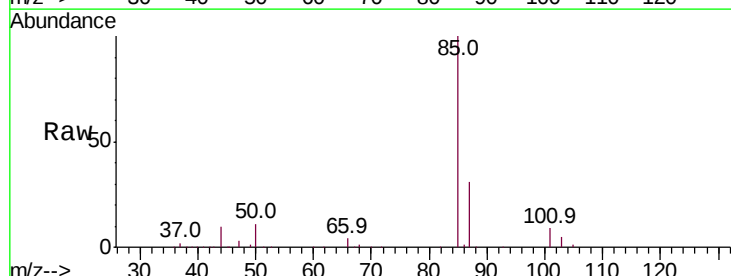
Acq: 05 Jun 2019 12:34

Tgt Ion: 85 Resp: 43132

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

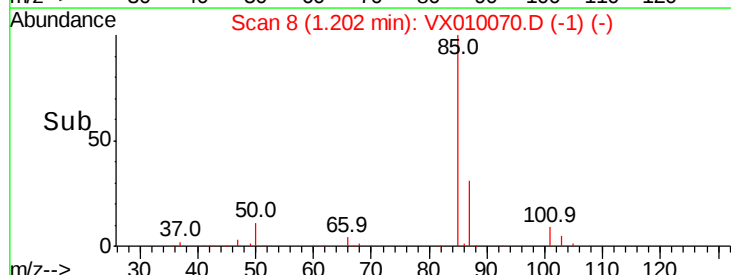
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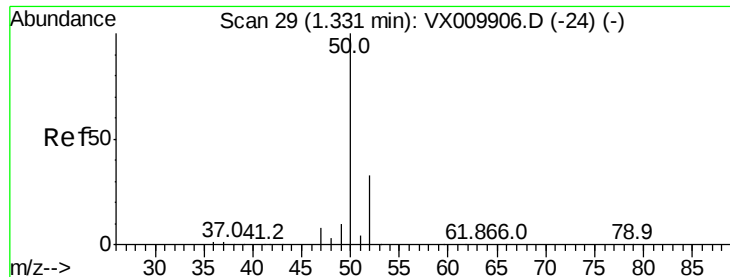
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.902 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 50 Resp: 47957

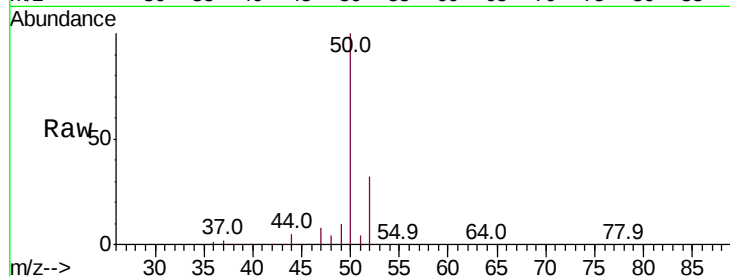
Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

50000

40000

30000

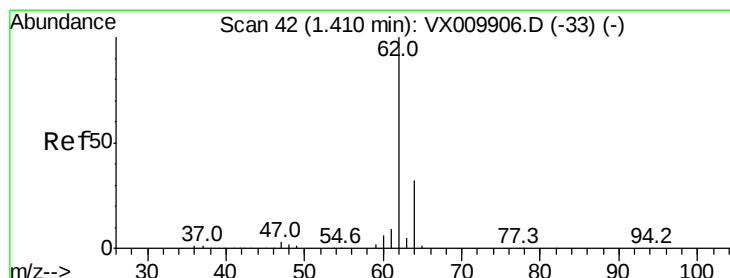
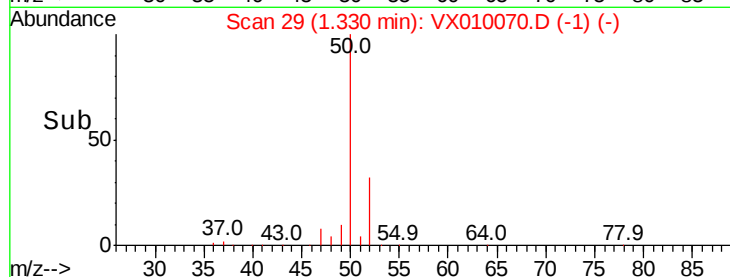
20000

10000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 18.398 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010070.D

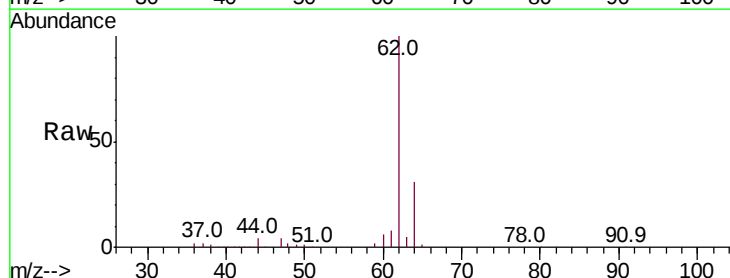
Acq: 05 Jun 2019 12:34

Tgt Ion: 62 Resp: 44431

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

50000

40000

30000

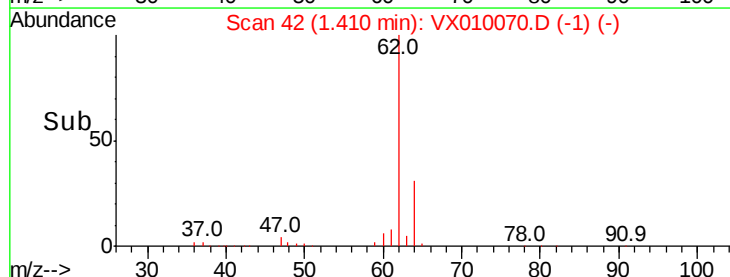
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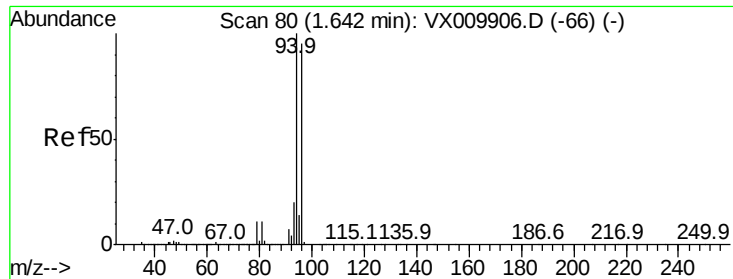
10000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 17.112 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 94 Resp: 25037

Ion Ratio Lower Upper

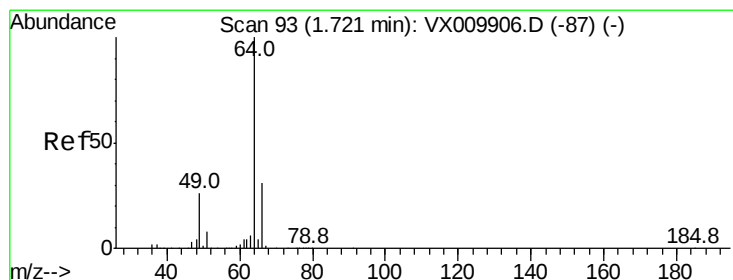
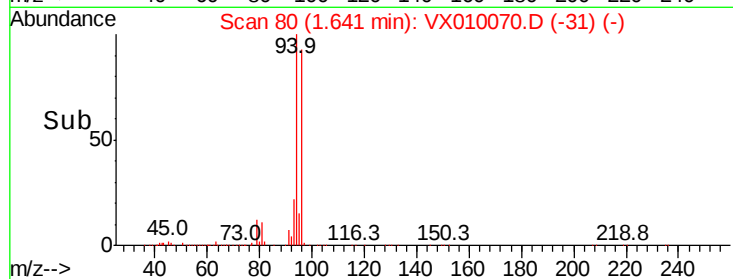
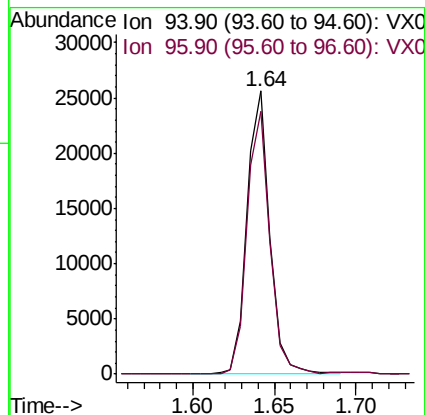
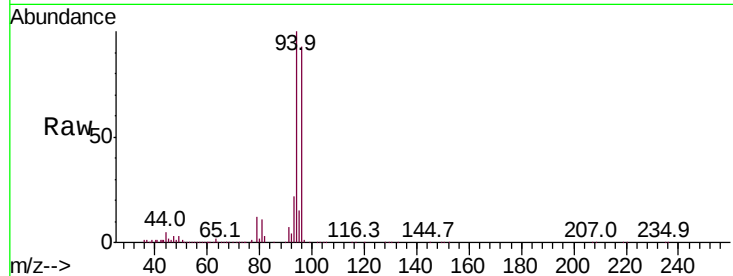
94 100

96 92.8 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 18.962 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX010070.D

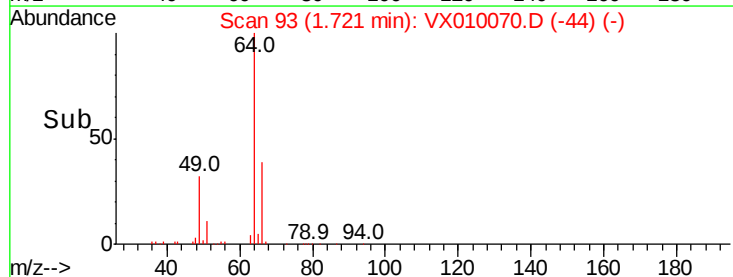
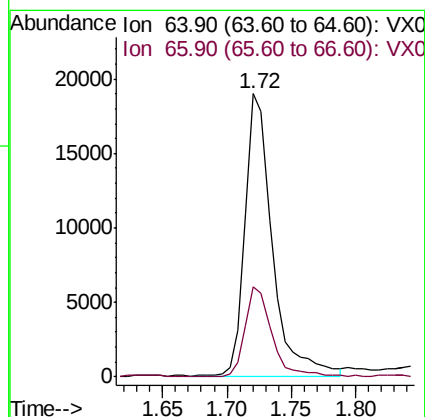
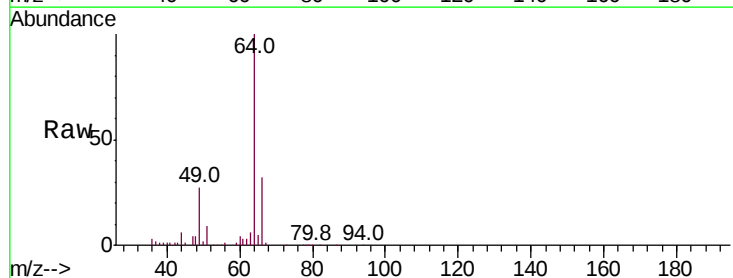
Acq: 05 Jun 2019 12:34

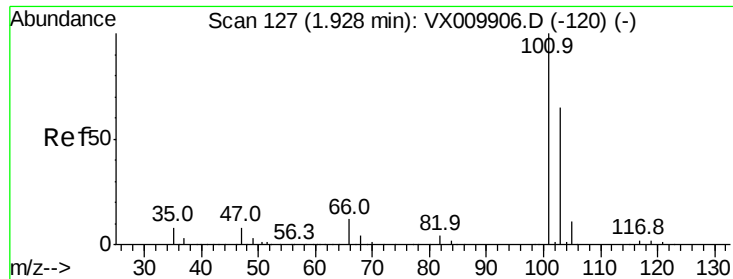
Tgt Ion: 64 Resp: 28188

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7





#7

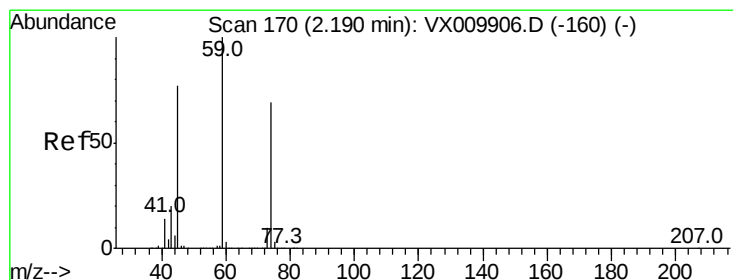
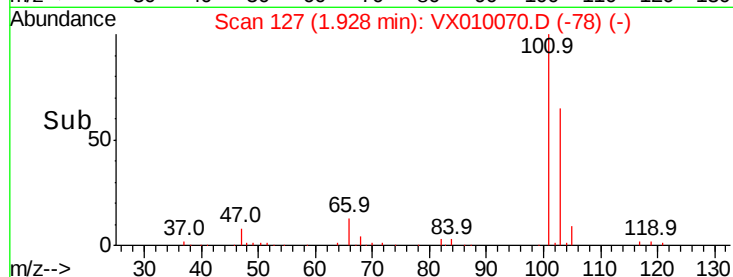
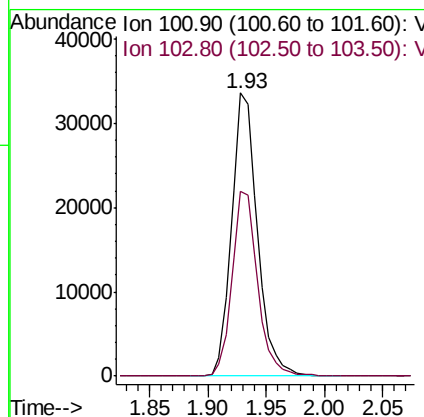
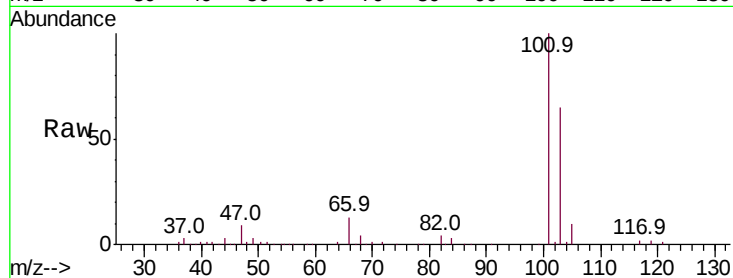
Trichlorofluoromethane
Concen: 19.446 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion:101 Resp: 51895
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

Manual Integrations
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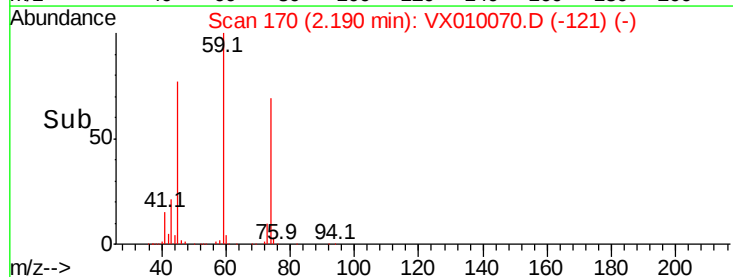
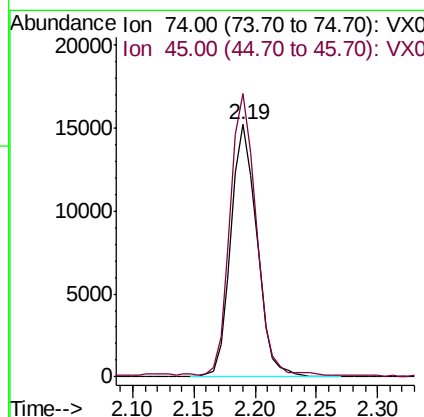
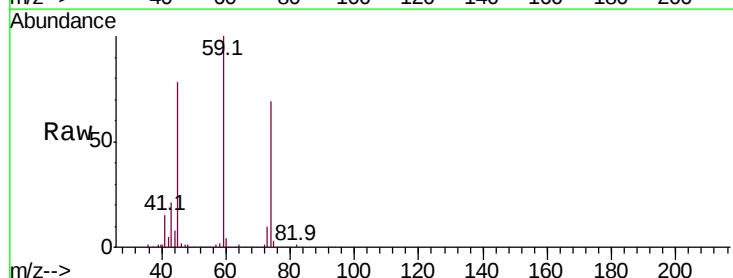
MMDadoda
6/6/2019 9:32:12 AM

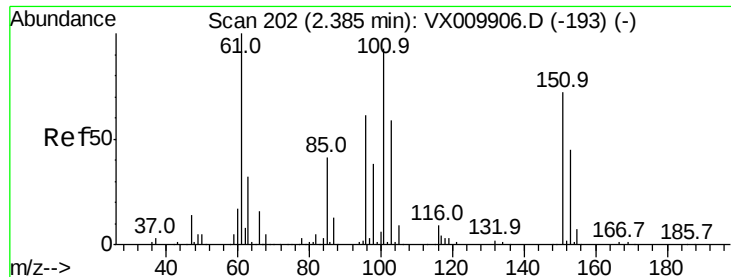


#8

Diethyl Ether
Concen: 17.915 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion: 74 Resp: 22466
Ion Ratio Lower Upper
74 100
45 111.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.719 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

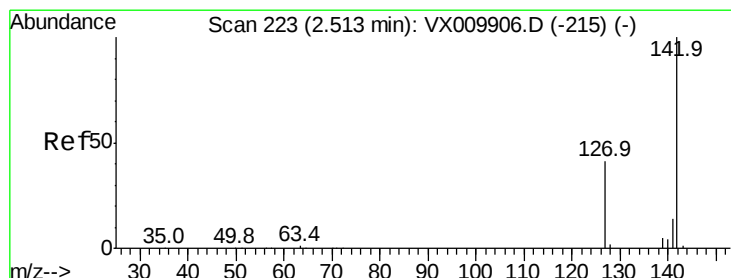
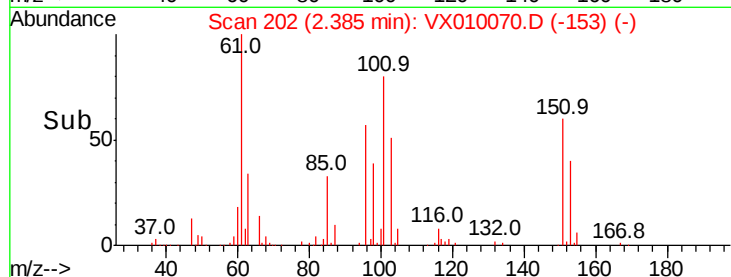
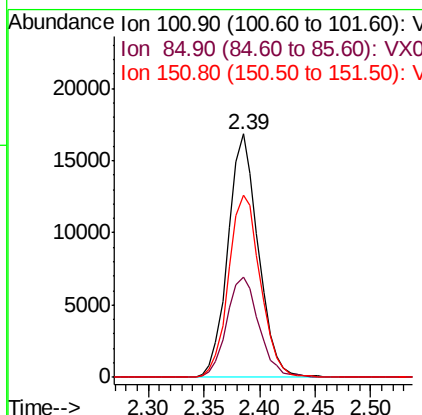
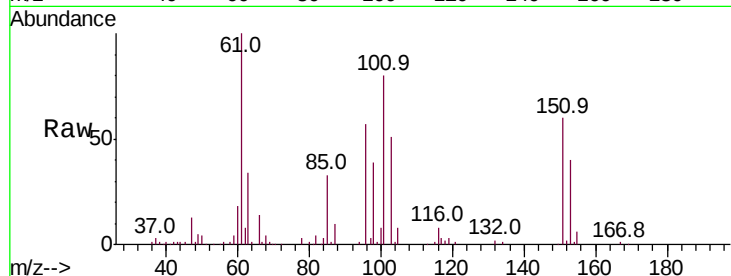
ClientSampled :

VX0605WBS01

Tot Ion:	101	Resp:	31770
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	78.4	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.516 ug/l

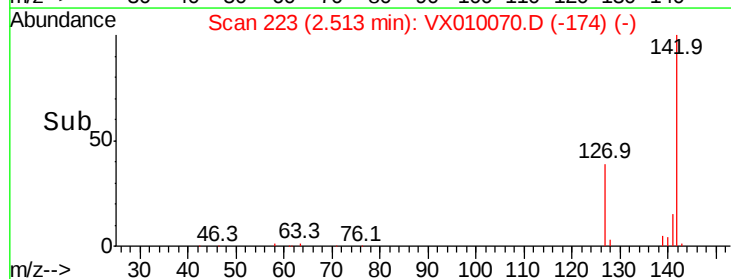
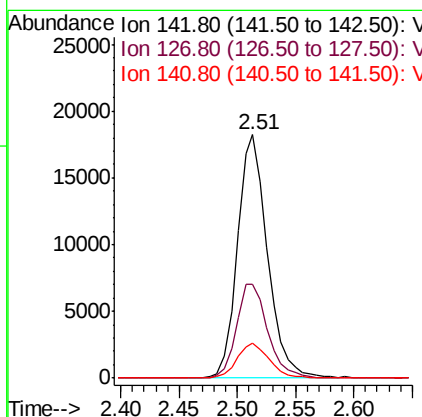
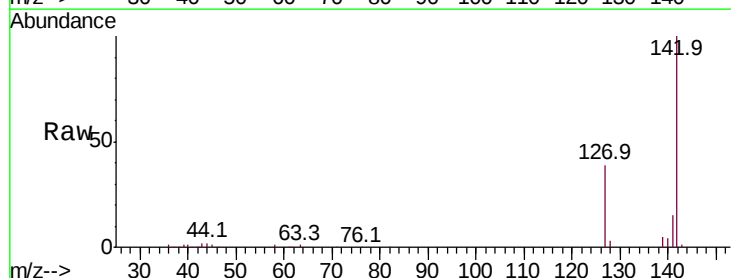
RT: 2.51 min Scan# 223

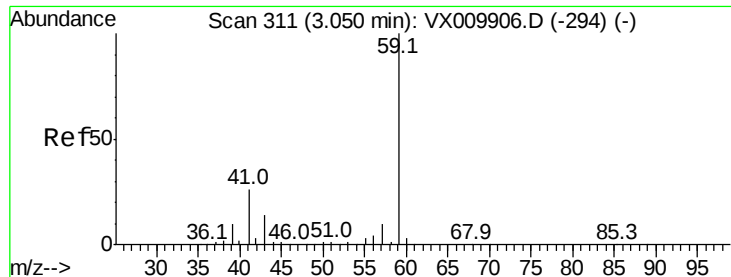
Delta R.T. 0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion:	142	Resp:	32689
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.0	49.4
141	15.2	11.4	17.0





#11

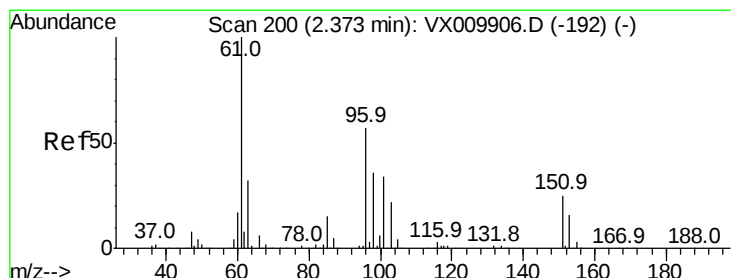
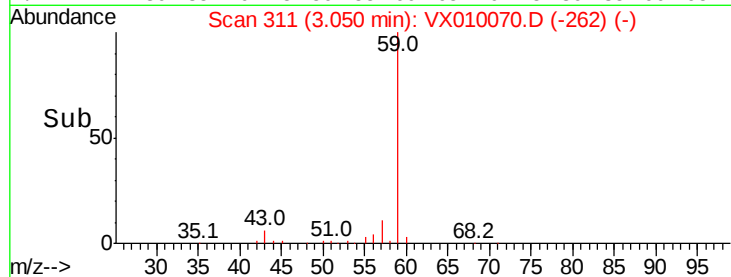
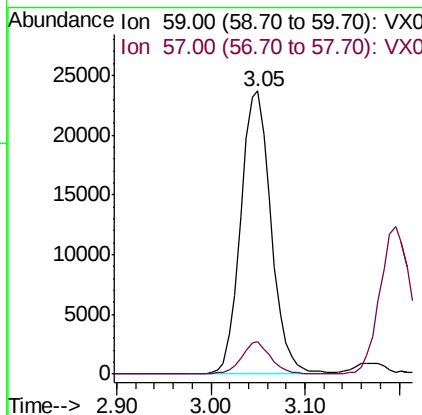
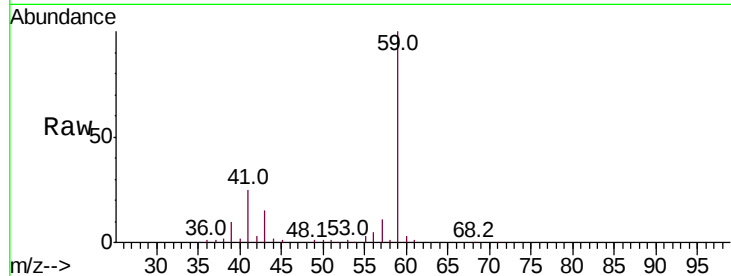
Tert butyl alcohol
 Concen: 94.830 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0605WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

Manual Integrations
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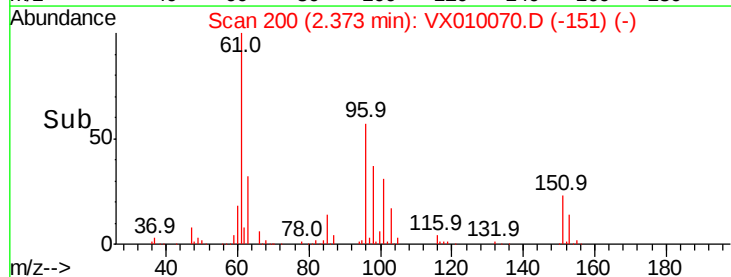
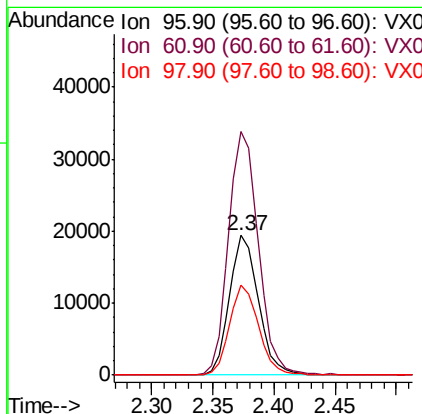
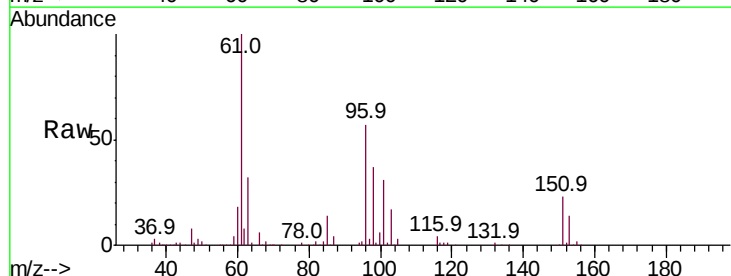
MMDadoda
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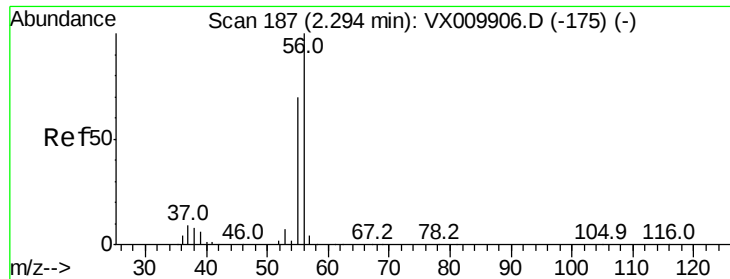


#12

1,1-Dichloroethene
 Concen: 19.258 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	140.7	211.1
98	64.5	50.1	75.1





#13

Acrolein

Concen: 95.289 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 56 Resp: 32560

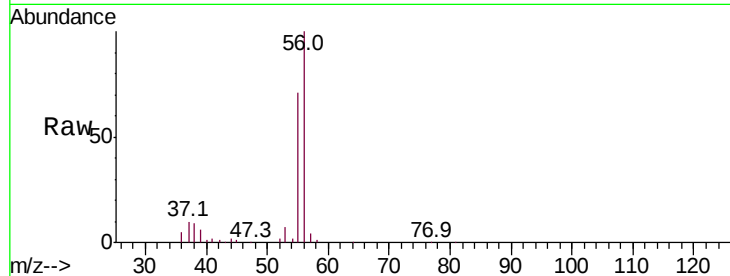
Ion Ratio Lower Upper

56 100

55 72.6 57.0 85.4

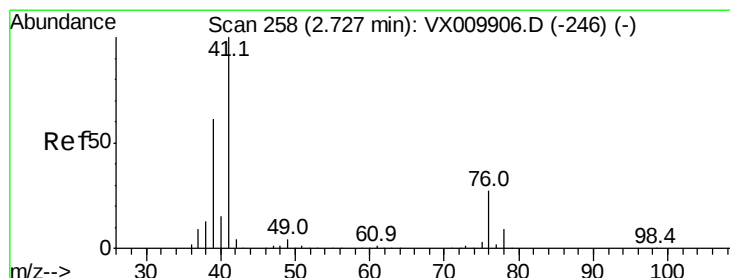
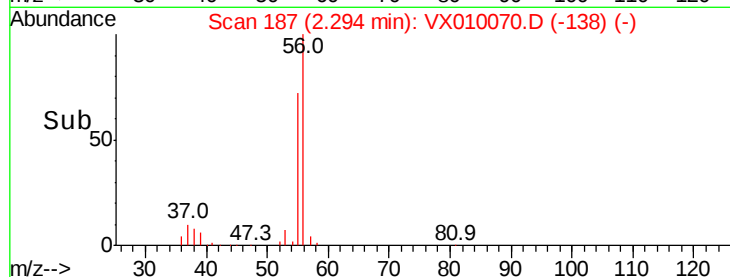
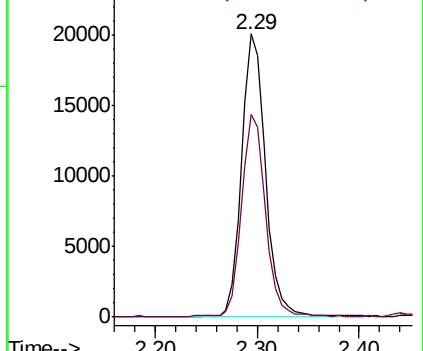
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.953 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

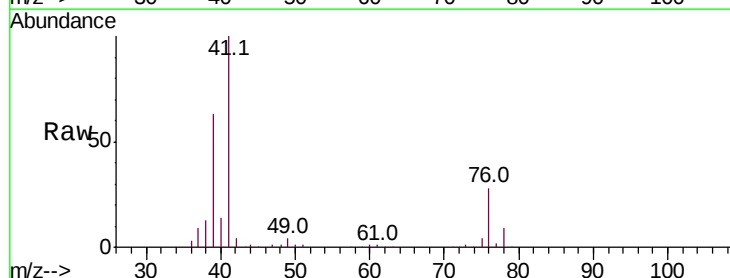
Tgt Ion: 41 Resp: 76073

Ion Ratio Lower Upper

41 100

39 60.5 46.7 70.1

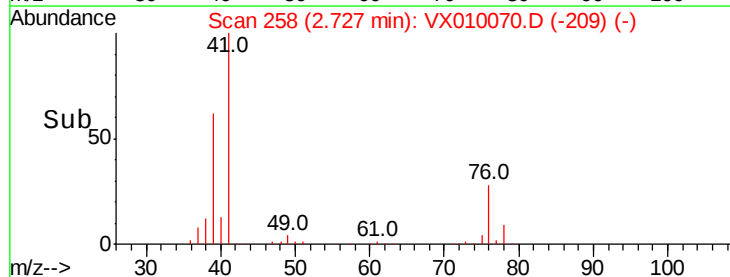
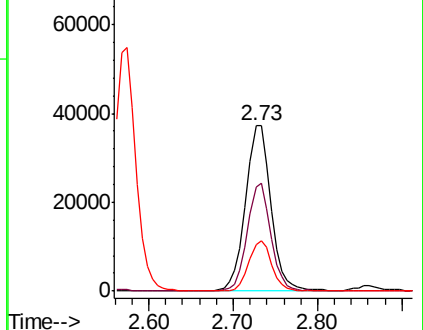
76 27.1 21.0 31.4

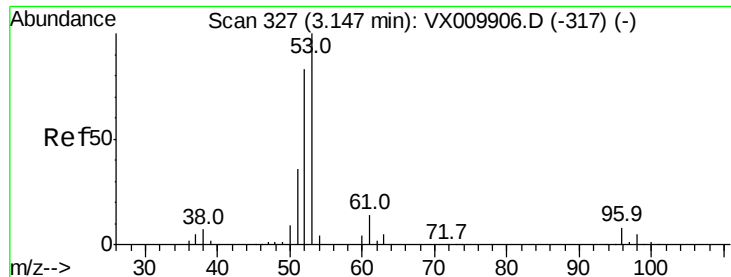


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 92.082 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

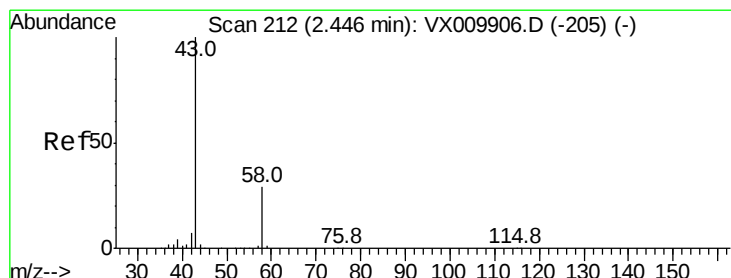
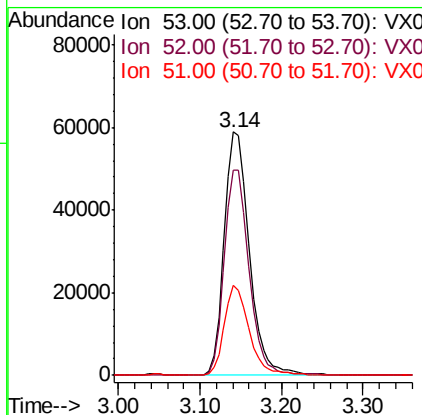
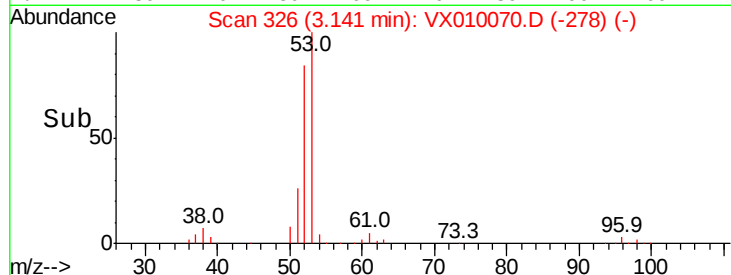
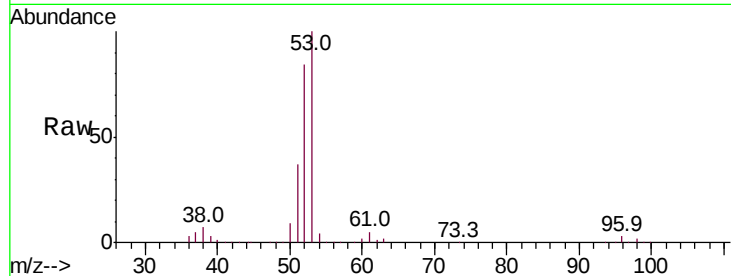
ClientSampleId :

VX0605WBS01

Tot Ion:	53	Resp:	125775
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.7	100.1
51	36.5	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 92.137 ug/l

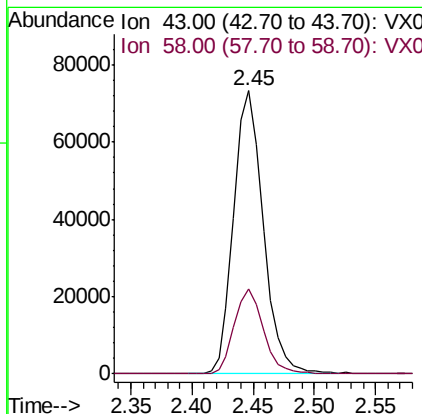
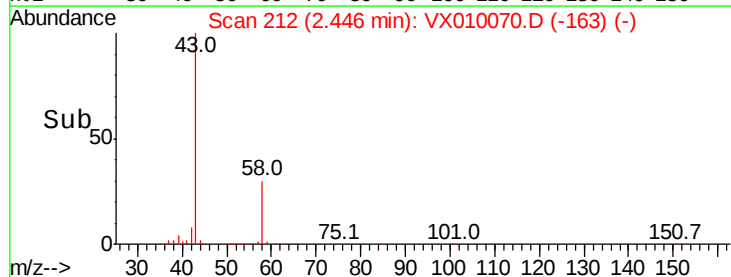
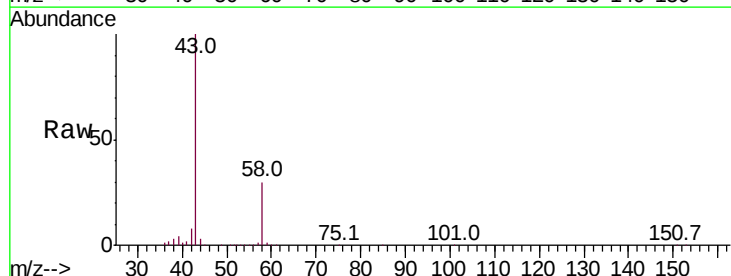
RT: 2.45 min Scan# 212

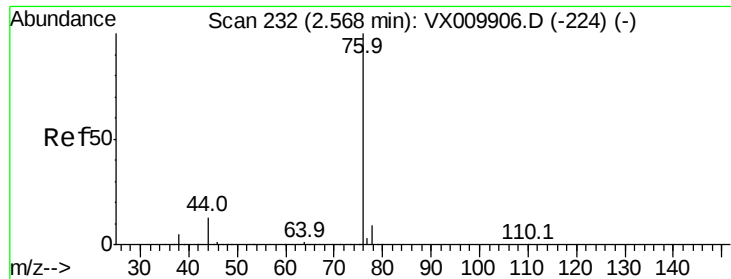
Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion:	43	Resp:	122625
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.2	34.8





#17

Carbon Disulfide

Concen: 19.545 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 76 Resp: 96557

Ion Ratio Lower Upper

76 100

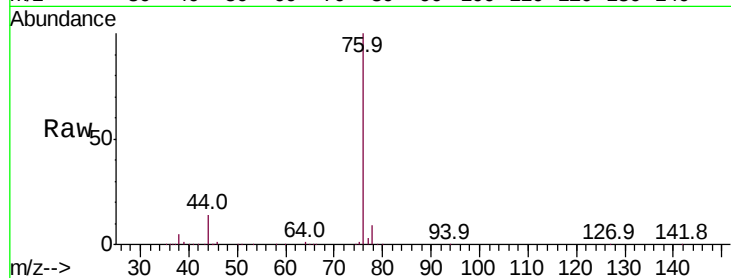
78 8.9 7.0 10.6

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

60000

50000

40000

30000

20000

10000

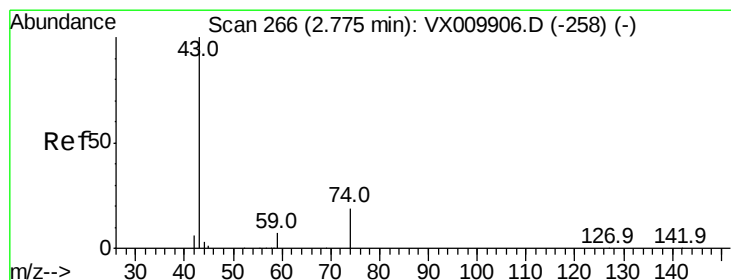
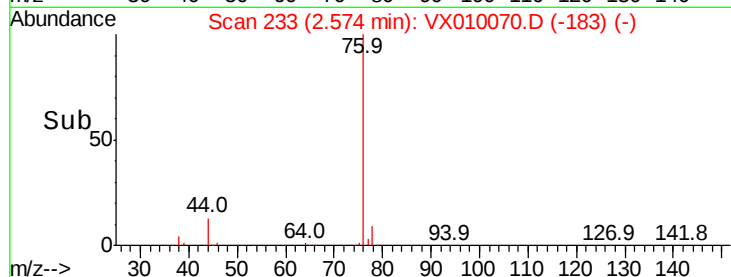
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 18.506 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010070.D

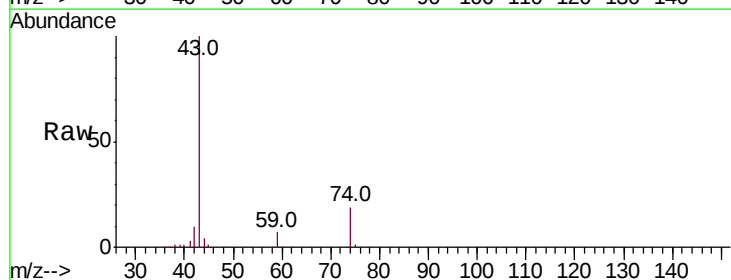
Acq: 05 Jun 2019 12:34

Tgt Ion: 43 Resp: 57310

Ion Ratio Lower Upper

43 100

74 19.5 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

30000

20000

10000

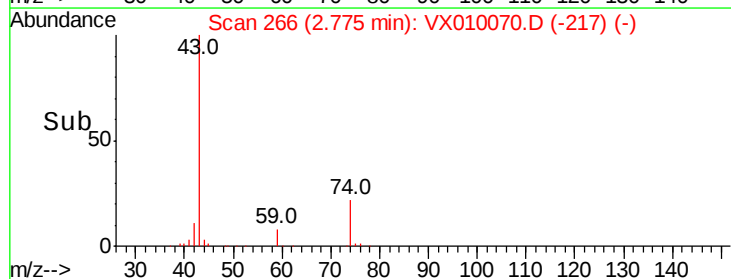
0

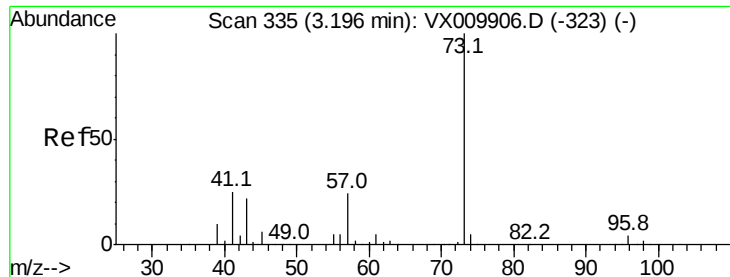
Time-->

2.70

2.80

2.90





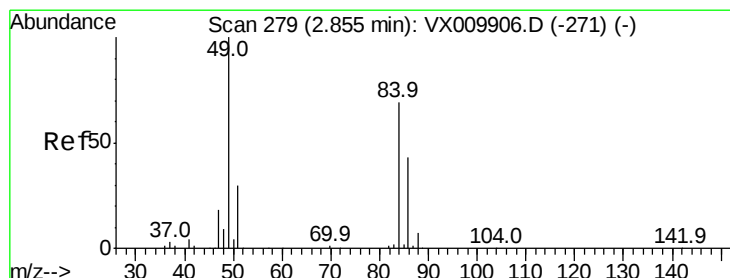
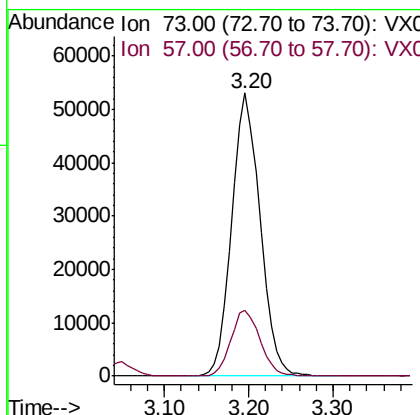
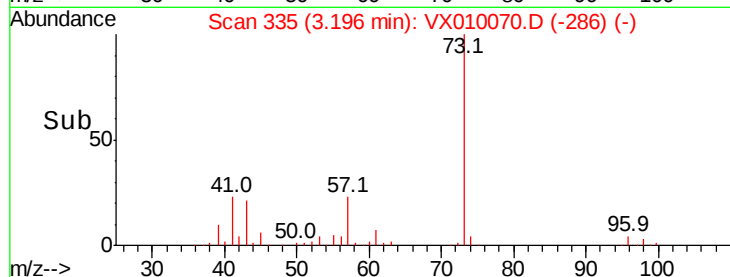
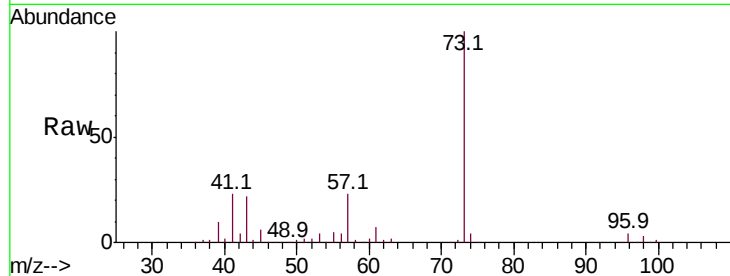
#19
Methvl tert-butvl Ether
Concen: 19.419 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion: 73 Resp: 121078
Ion Ratio Lower Upper
73 100
57 23.3 19.4 29.2

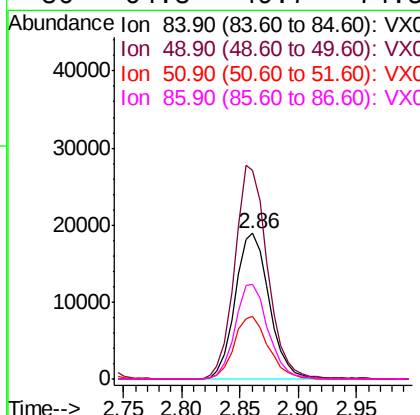
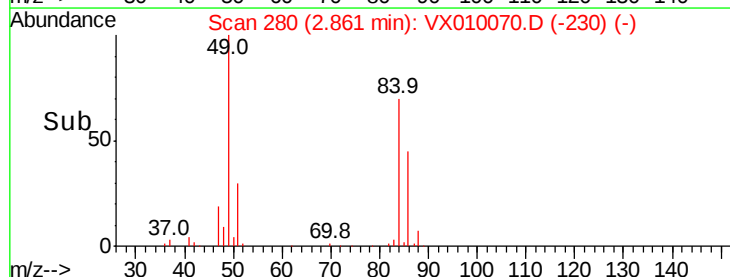
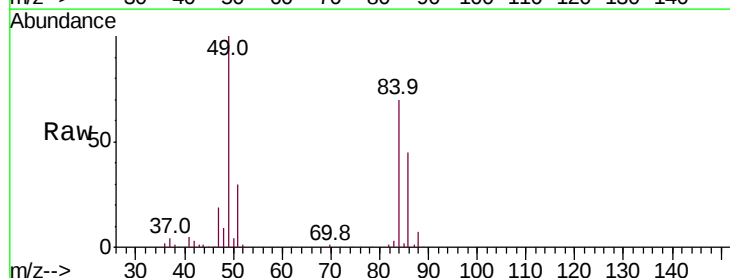
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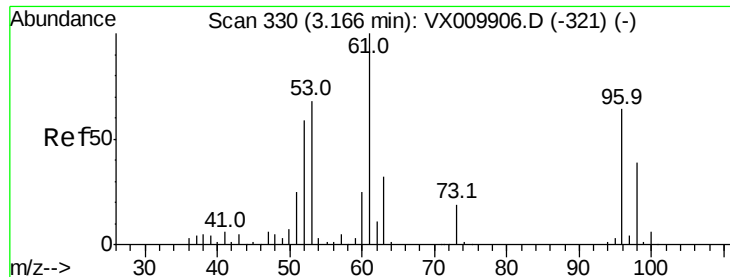
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#20
Methylene Chloride
Concen: 18.906 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion: 84 Resp: 38533
Ion Ratio Lower Upper
84 100
49 143.8 115.8 173.6
51 43.5 34.4 51.6
86 64.8 49.7 74.5





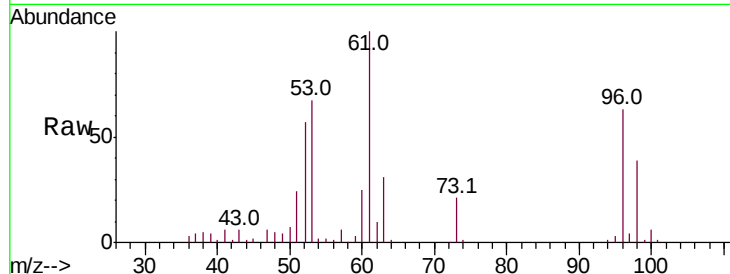
#21
trans-1,2-Dichloroethene
Concen: 18.879 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.7	125.7	188.5
98	62.8	49.0	73.6

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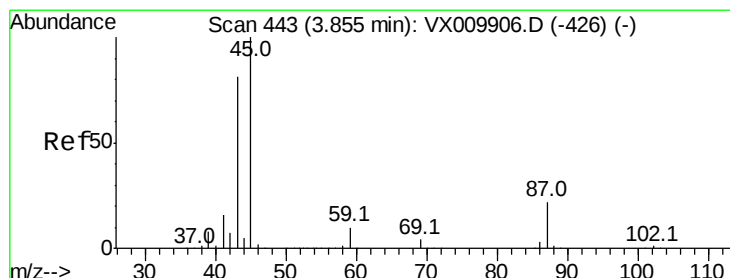
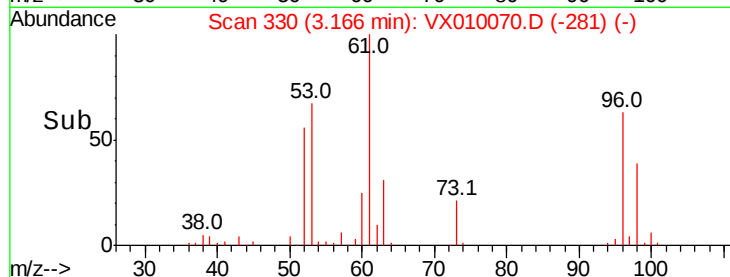
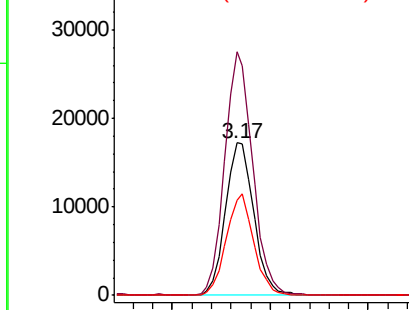


Abundance

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: 19.169 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	86.5	65.0	97.4
87	22.0	17.3	25.9
59	10.1	8.1	12.1

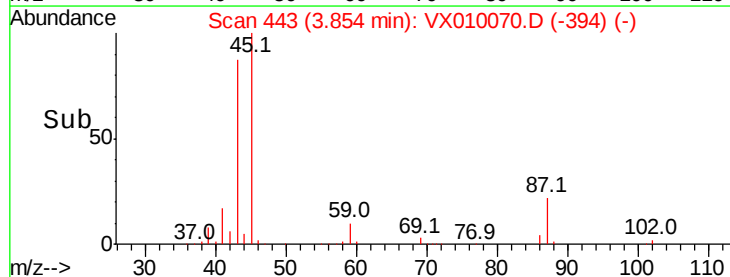
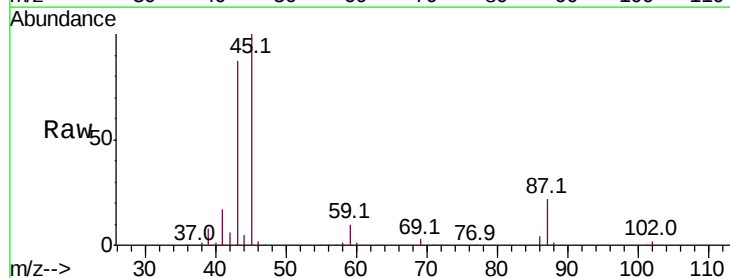
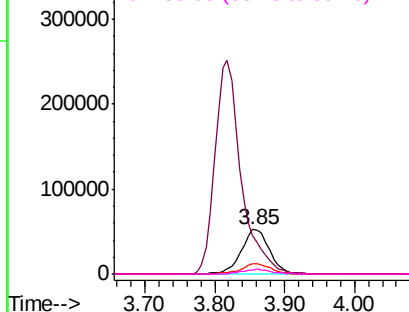
Abundance

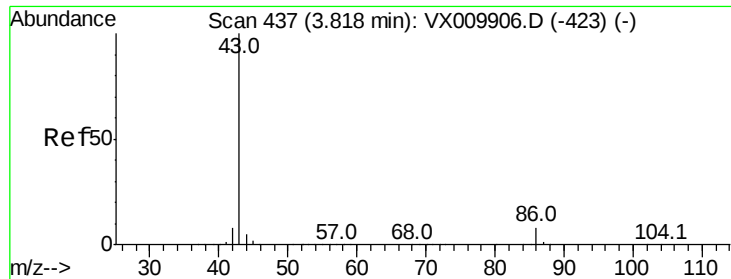
Ion 45.00 (44.70 to 45.70): VX0

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: 95.550 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 43 Resp: 655551

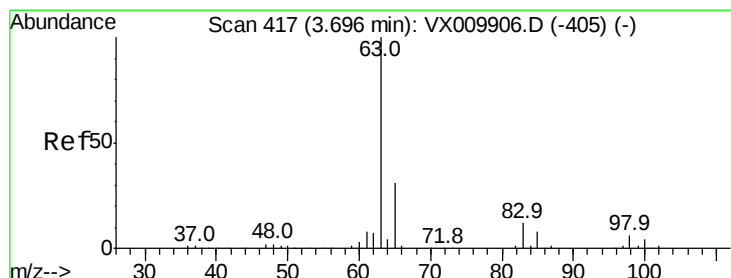
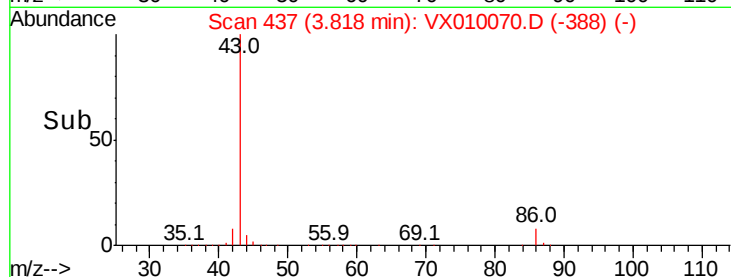
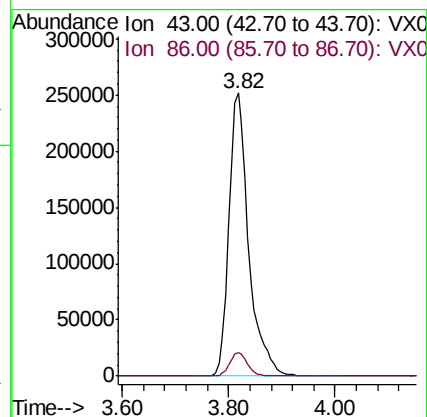
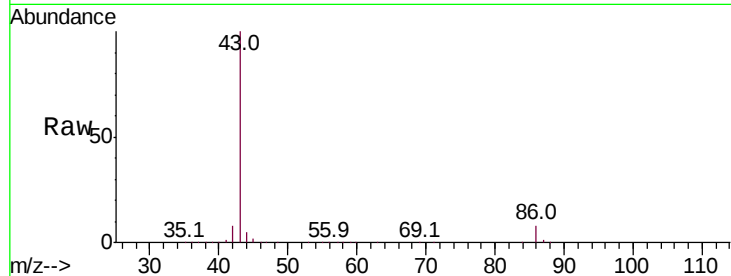
Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 19.292 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

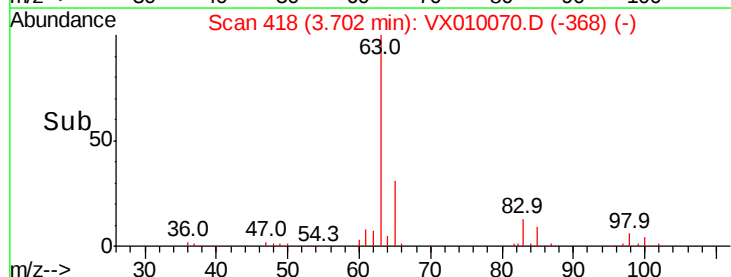
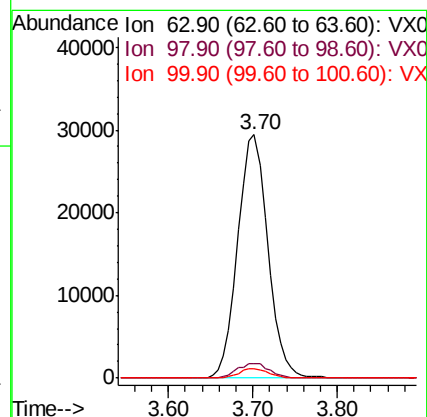
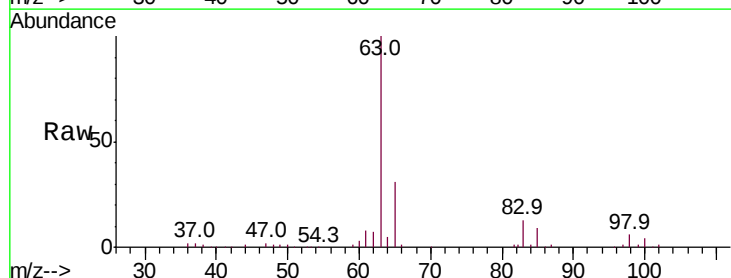
Tgt Ion: 63 Resp: 71401

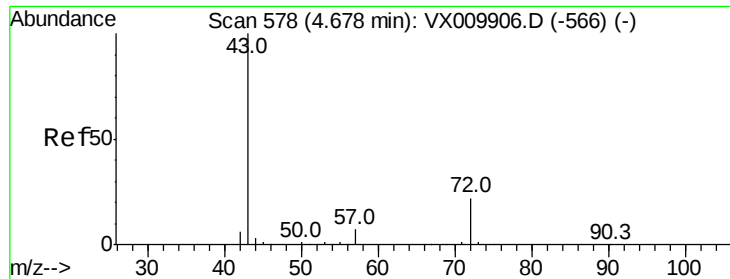
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.7 1.8 5.4





#25

2-Butanone

Concen: 93.087 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 43 Resp: 193018

Ion Ratio Lower Upper

43 100

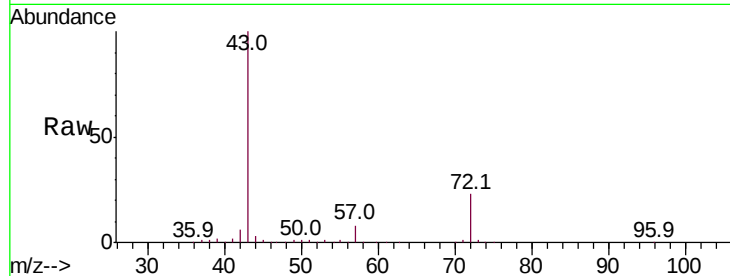
72 22.4 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

60000

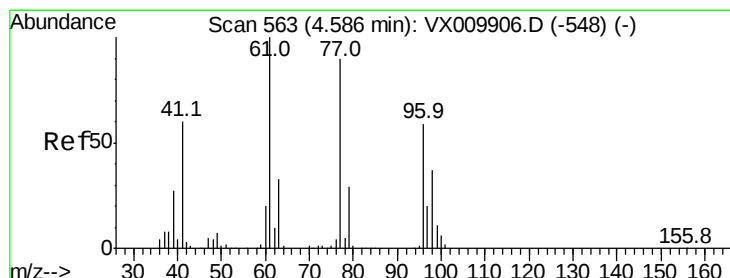
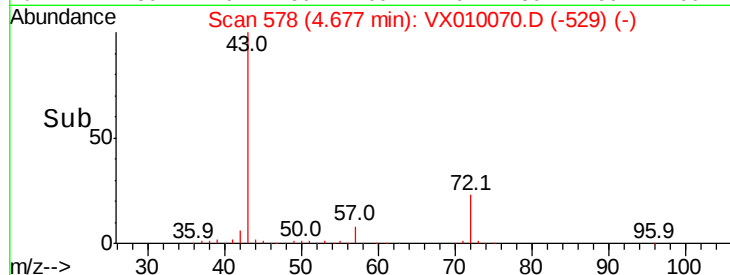
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 18.992 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX010070.D

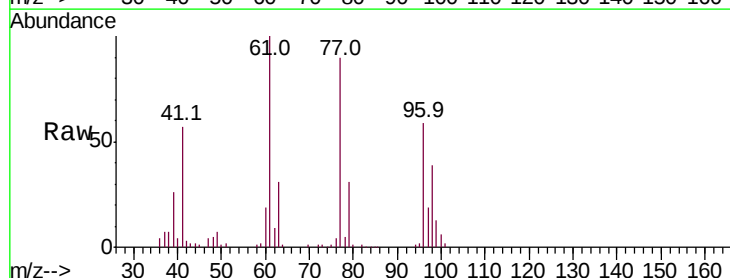
Acq: 05 Jun 2019 12:34

Tgt Ion: 77 Resp: 53173

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

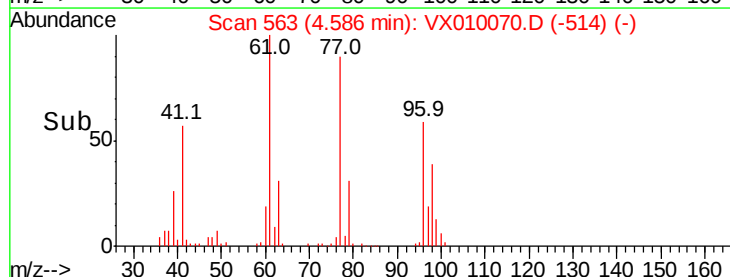
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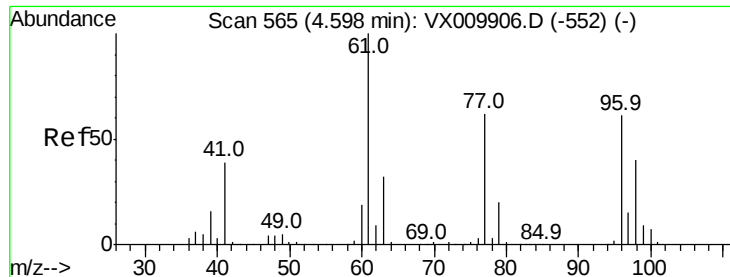
5000

0

Time-->

4.50 4.60 4.70





#27

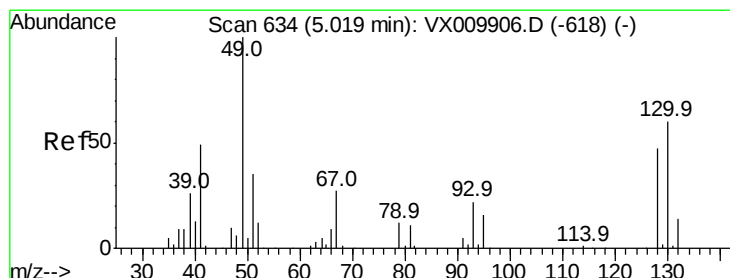
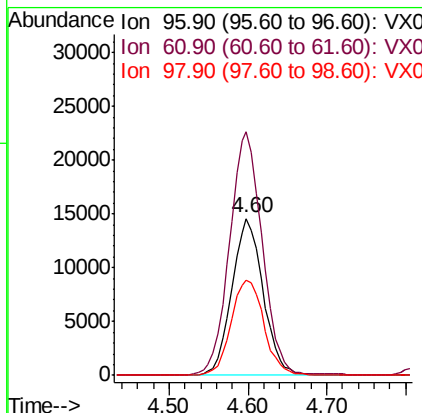
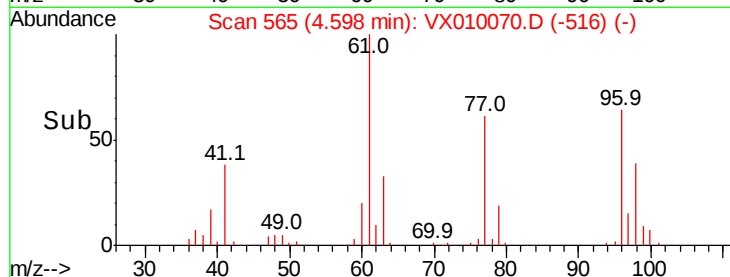
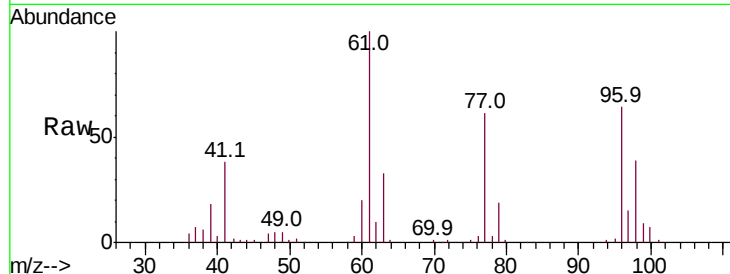
cis-1,2-Dichloroethene
Concen: 18.935 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	334.0
98	63.9	0.0	131.6

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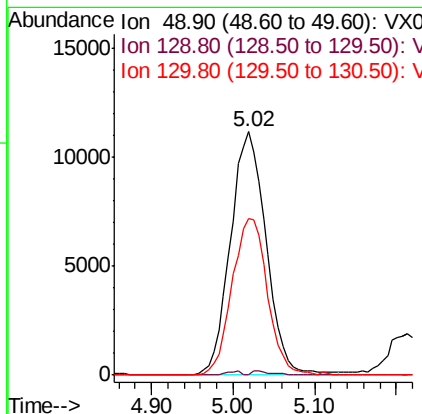
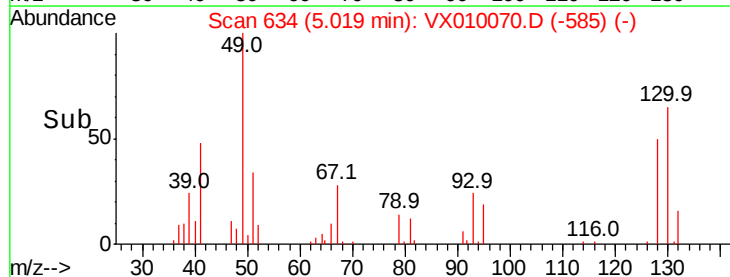
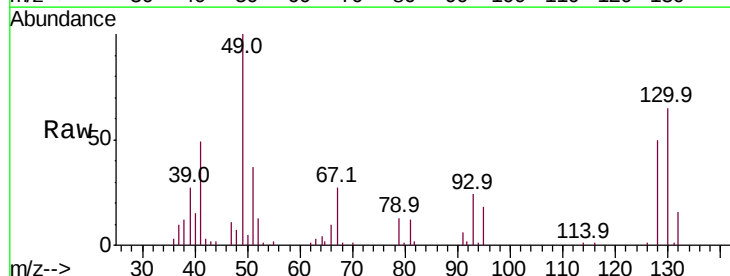
MMDadoda
6/6/2019 9:32:12 AM

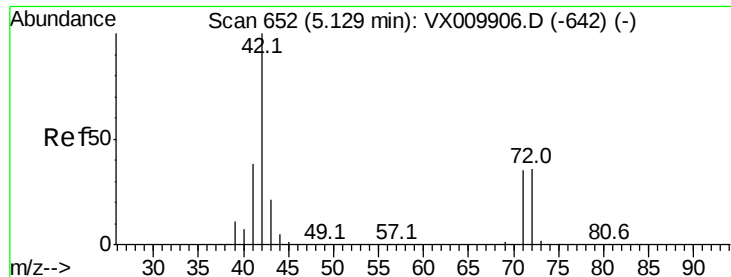


#28

Bromochloromethane
Concen: 17.650 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	63.5	49.4	74.2





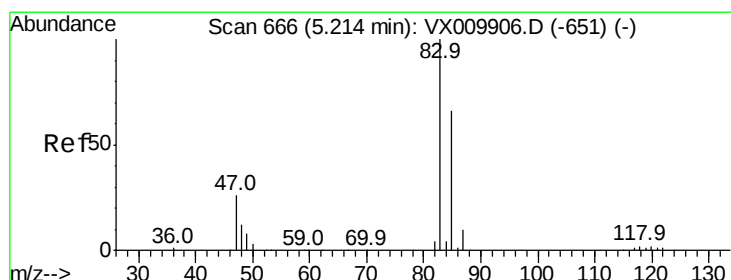
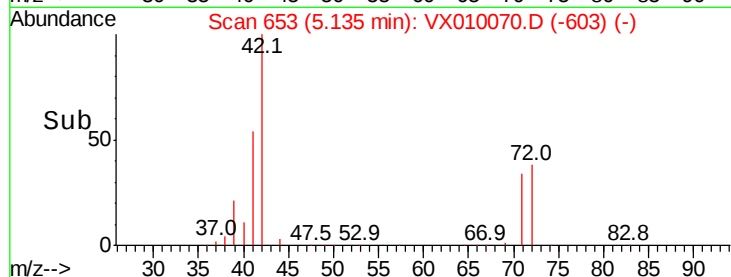
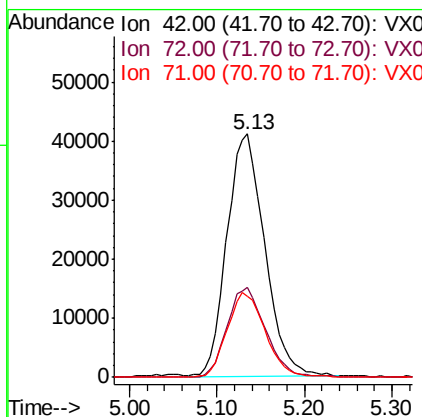
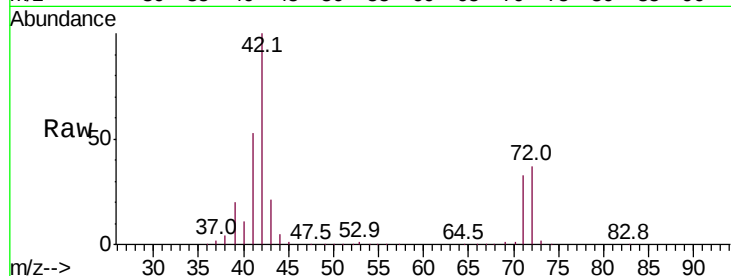
#29
Tetrahydrofuran
Concen: 92.482 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.2	43.8
71	35.6	27.6	41.4

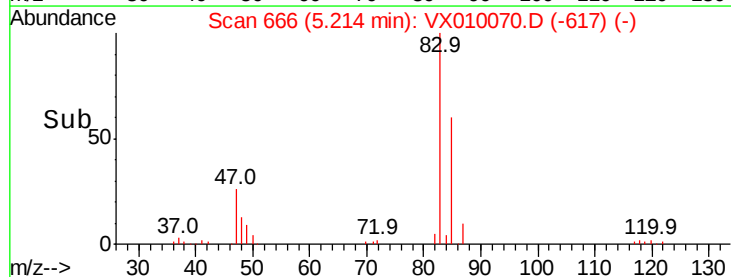
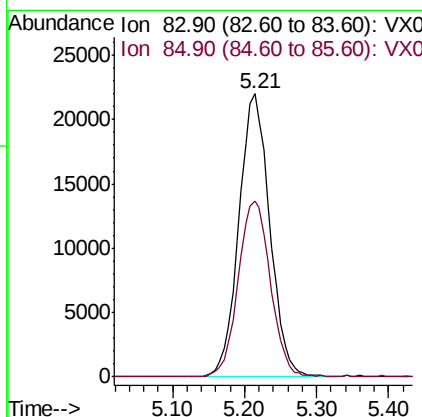
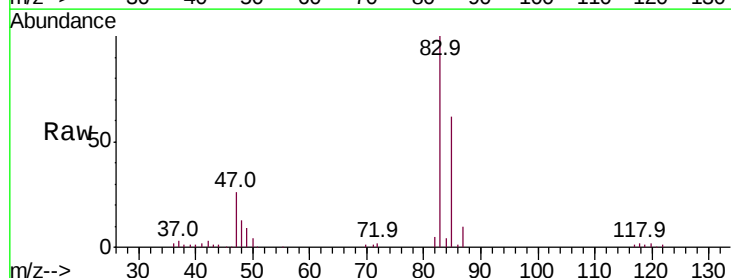
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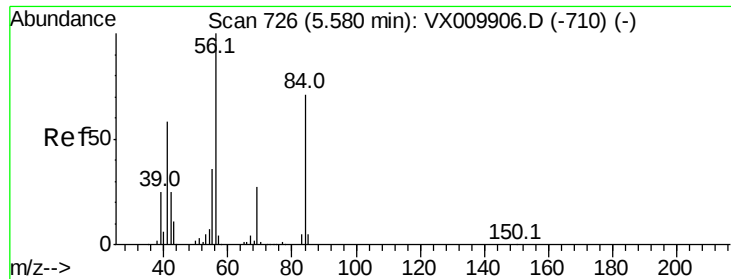
MMDadoda
6/6/2019 9:32:12 AM



#30
Chloroform
Concen: 19.638 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.6	78.8





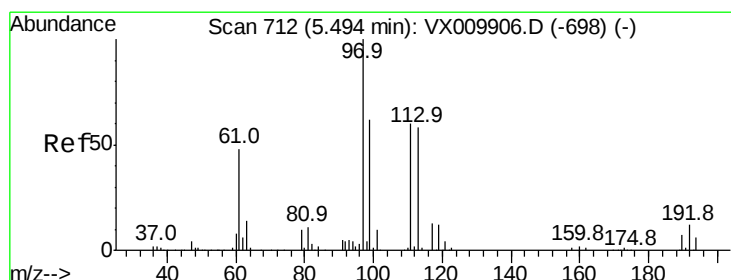
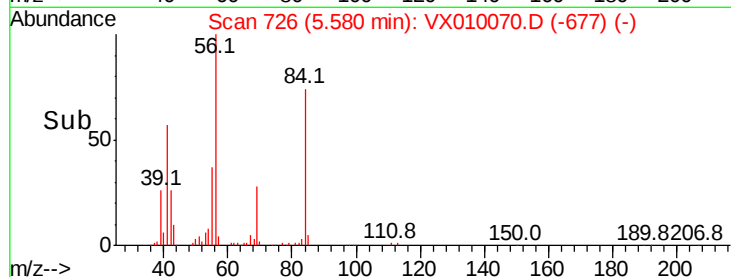
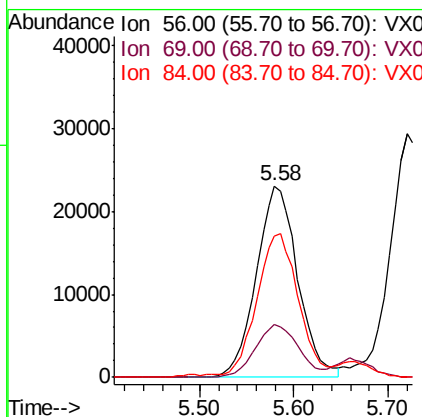
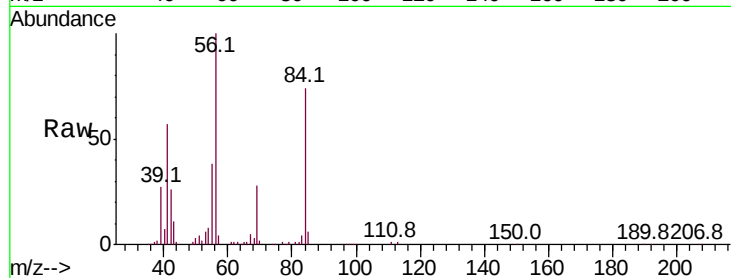
#31
Cyclohexane
Concen: 20.228 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	21.6	32.4
84	72.1	56.8	85.2

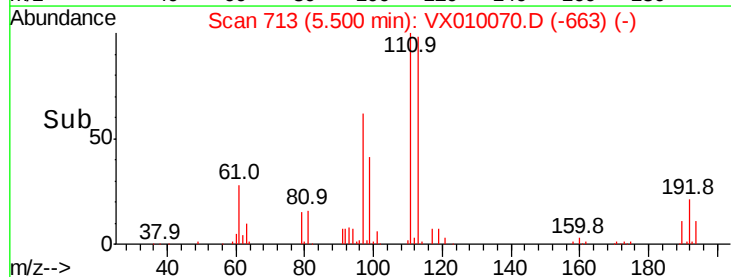
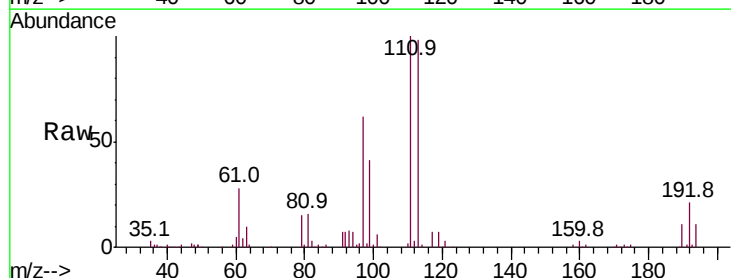
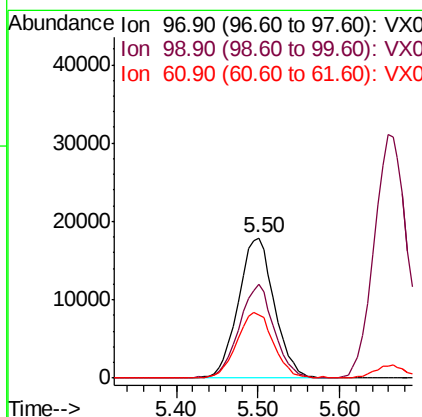
Manual Integrations
APPROVED

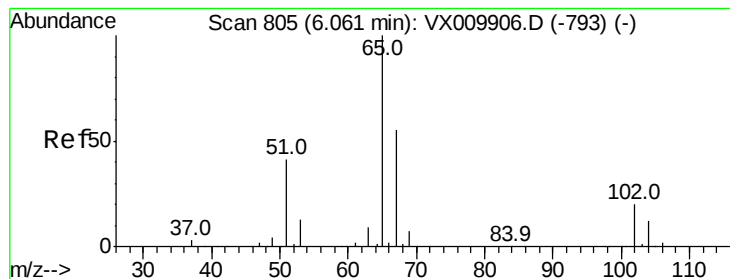
MMDadoda
6/6/2019 9:32:12 AM



#32
1,1,1-Trichloroethane
Concen: 20.139 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	47.7	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 46.376 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tot Ion: 65 Resp: 106827

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4

Instrument :

MSVOA_X

ClientSampleId :

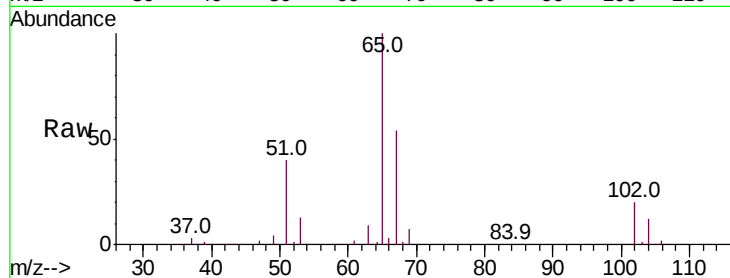
VX0605WBS01

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

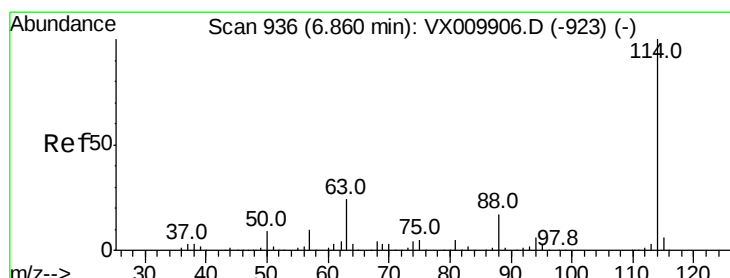
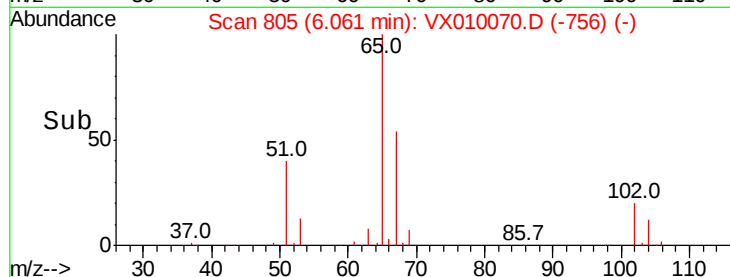
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

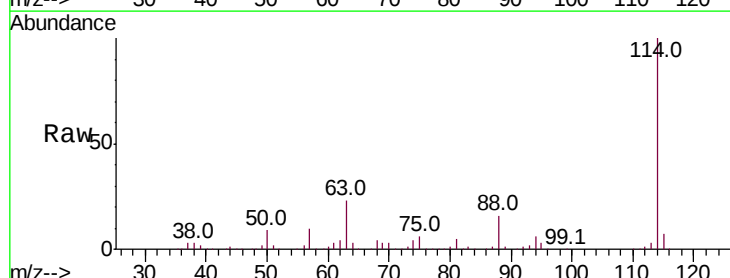
Tgt Ion:114 Resp: 257162

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.4

88 16.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

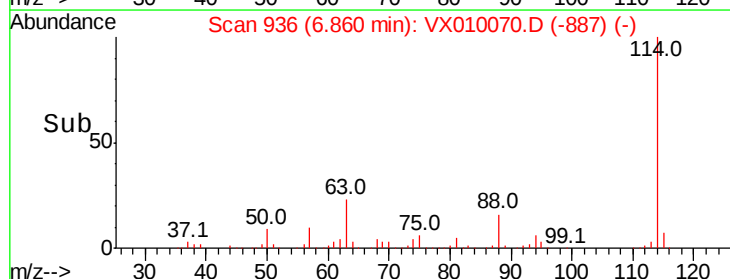
150000

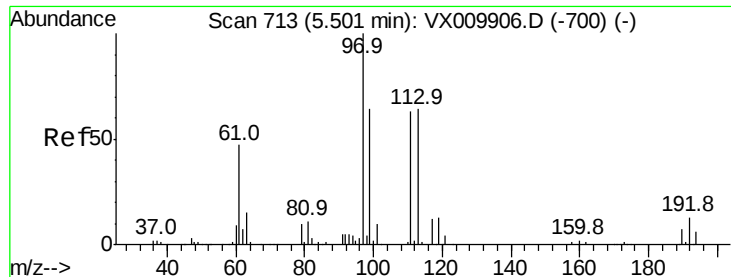
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.749 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

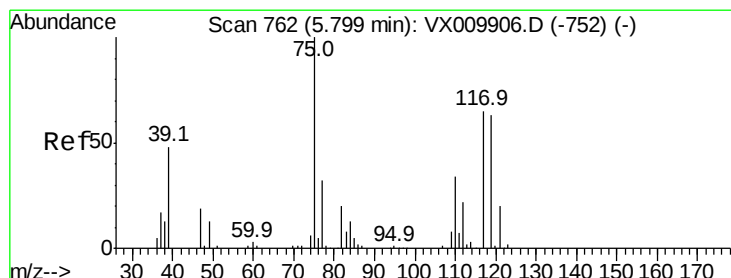
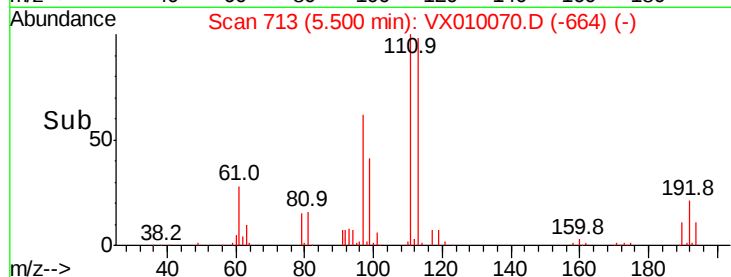
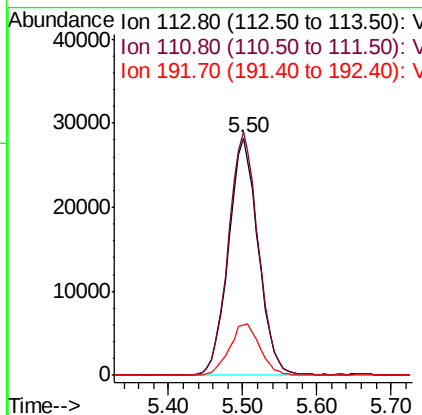
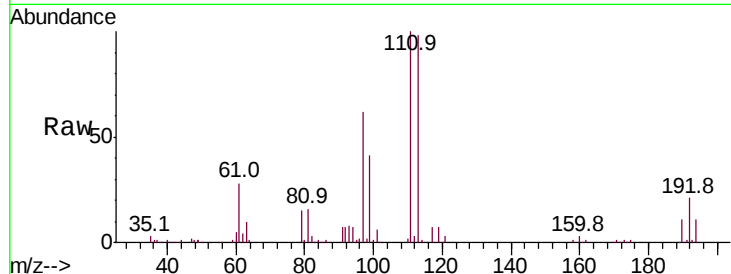
ClientSampleId :

VX0605WBS01

Tot Ion:	113	Resp:	78816
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.2
192	22.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 19.222 ug/l

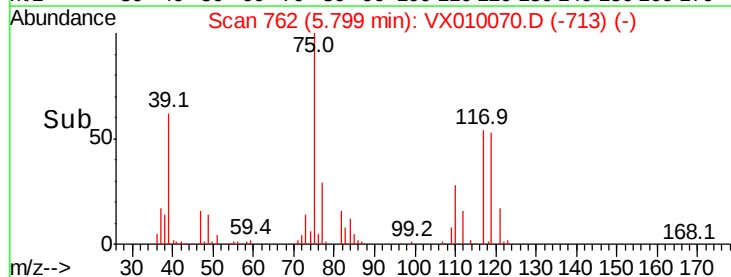
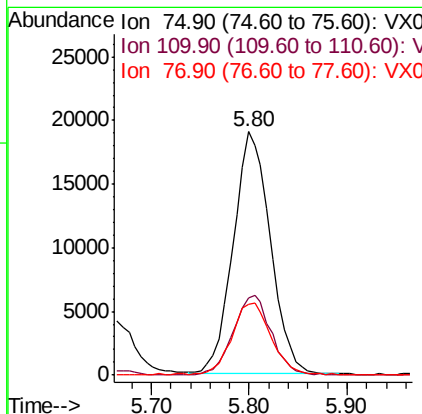
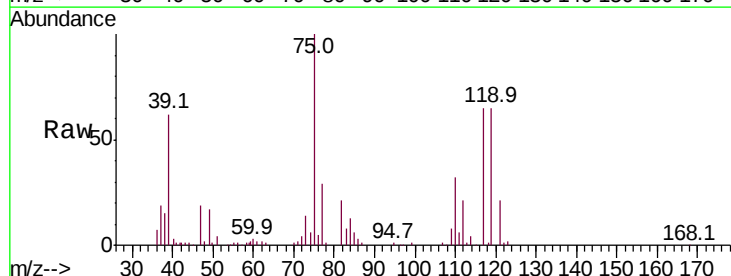
RT: 5.80 min Scan# 762

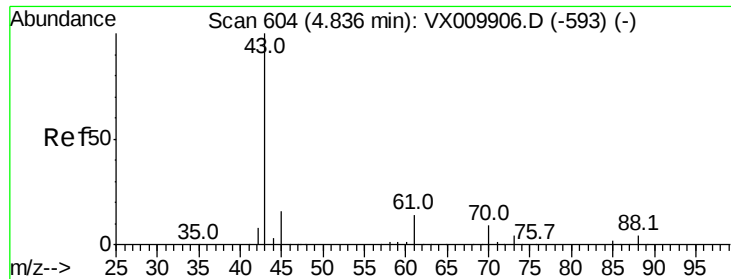
Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion:	75	Resp:	50153
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.7	50.1
77	31.6	25.0	37.4





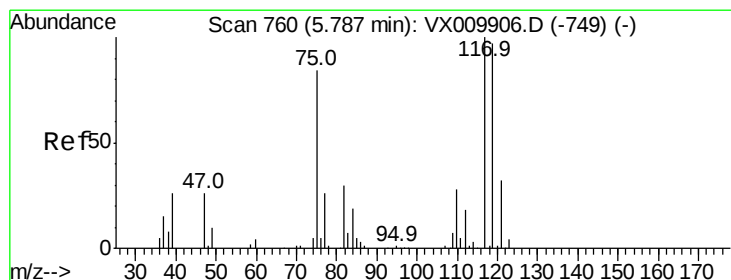
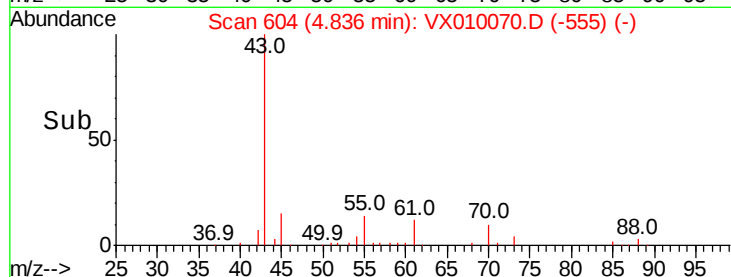
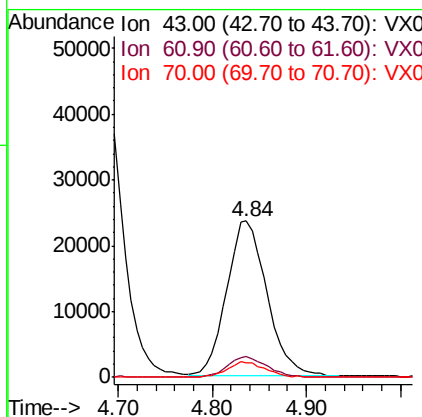
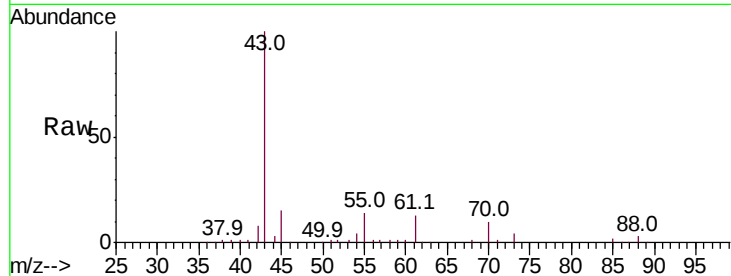
#37
Ethyl Acetate
Concen: 19.173 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampled :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.7	7.4	11.2

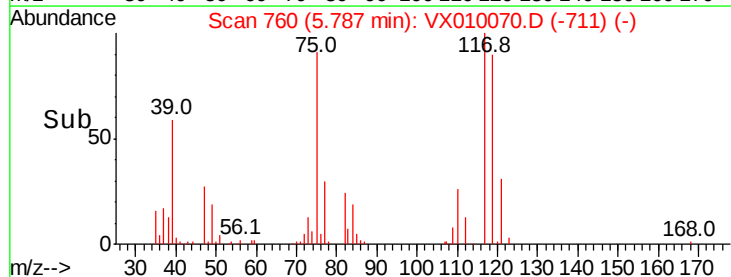
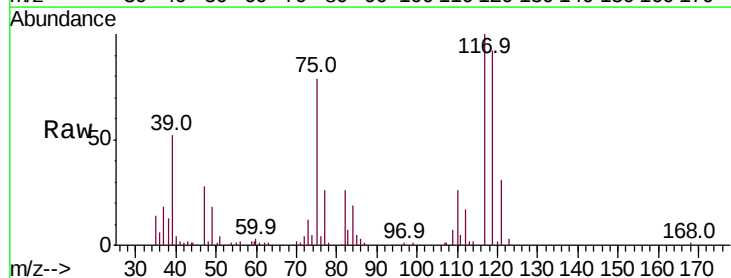
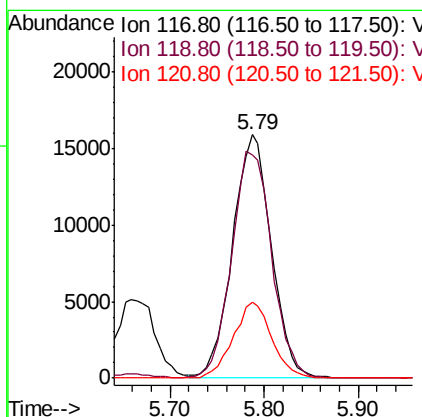
Manual Integrations
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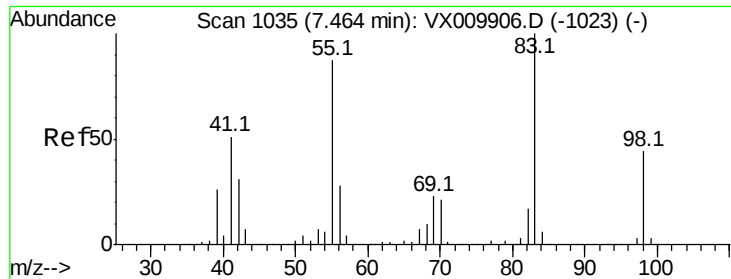
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#38
Carbon Tetrachloride
Concen: 20.304 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.3	115.9
121	31.3	25.4	38.0





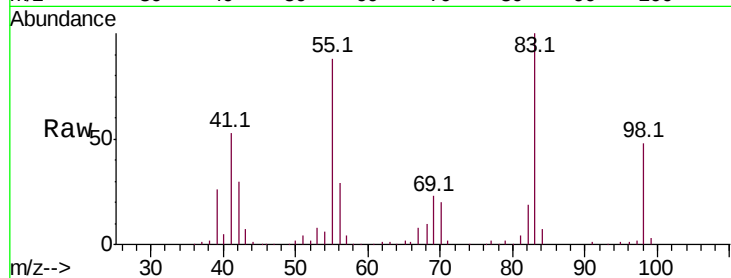
#39
Methvlcvclohexane
Concen: 20.004 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

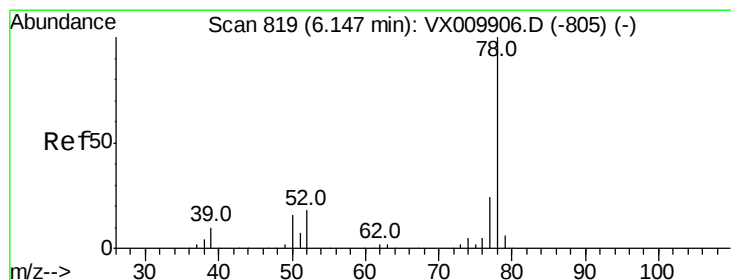
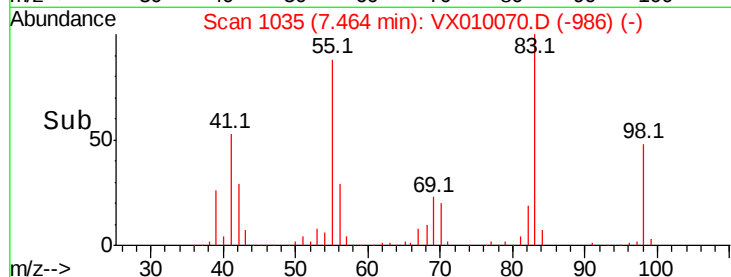
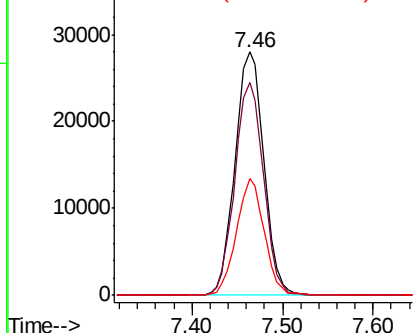
Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	69.9	104.9
98	48.0	35.1	52.7

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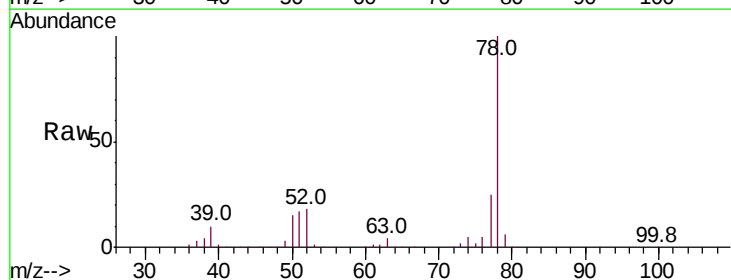


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

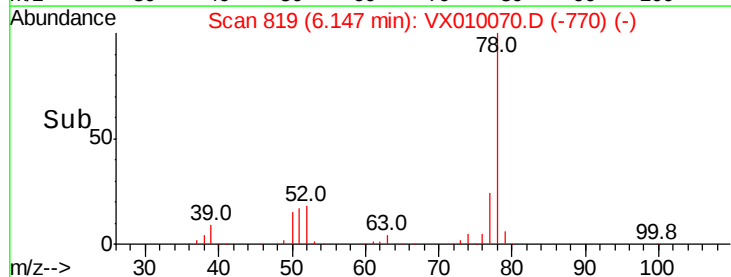
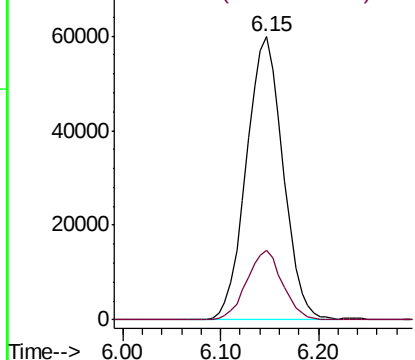


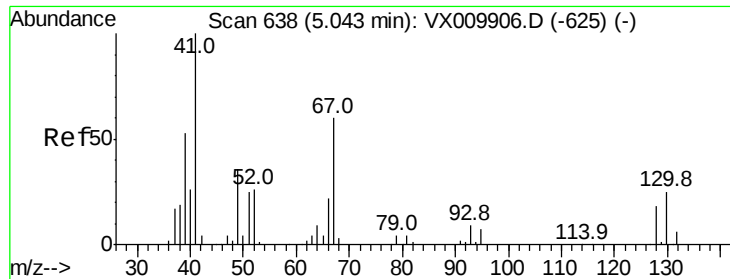
#40
Benzene
Concen: 20.126 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





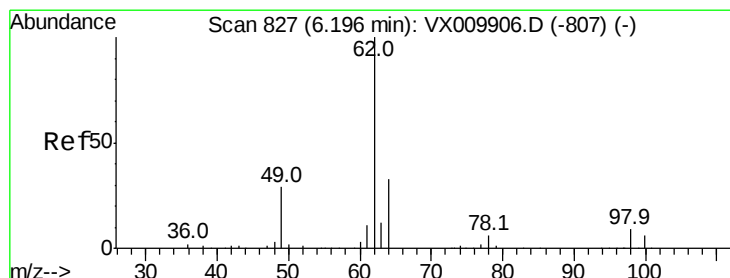
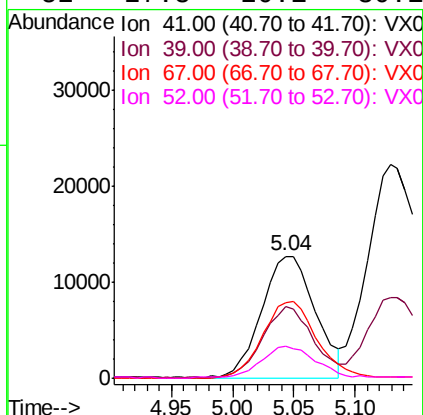
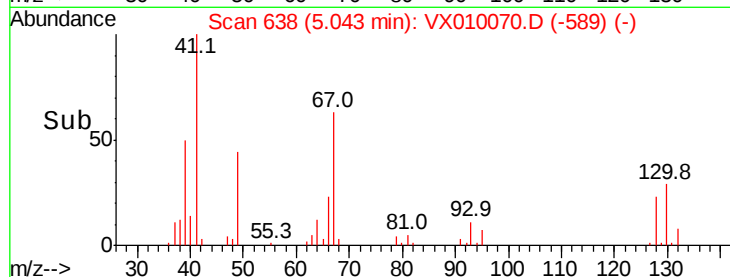
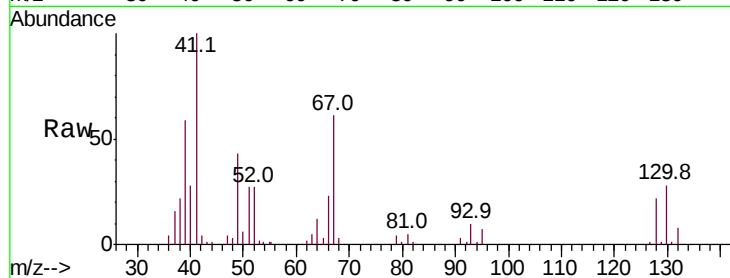
#41
Methacrylonitrile
Concen: 18.202 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampled :
VX0605WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	42.2	63.4	
67	64.2	48.9	73.3	
52	27.8	20.1	30.1	

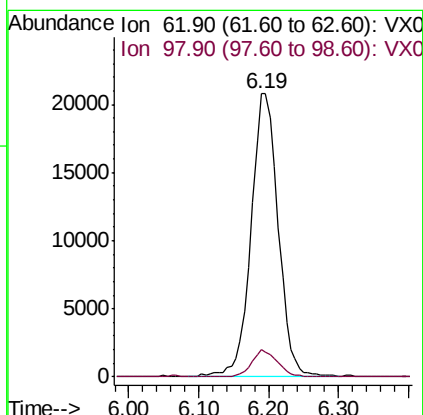
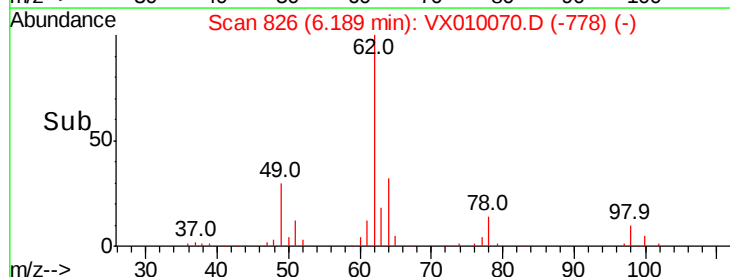
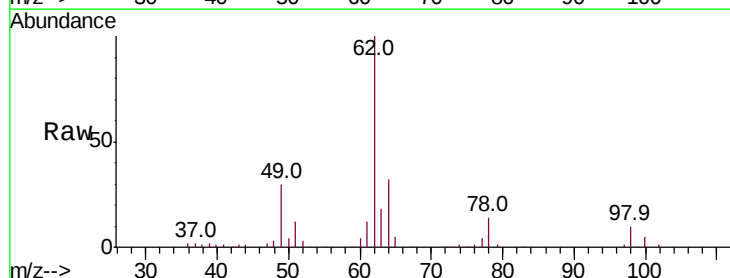
Manual Integrations
APPROVED

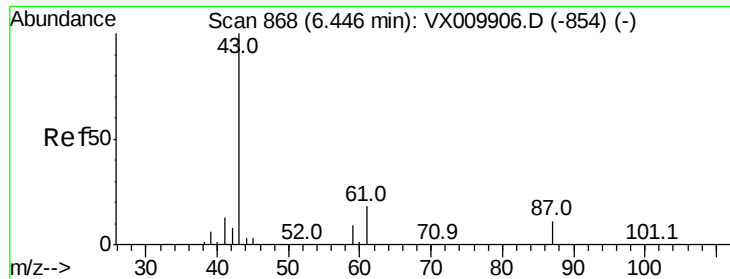
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.640 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





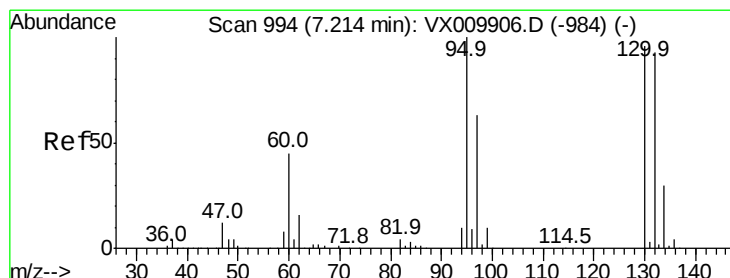
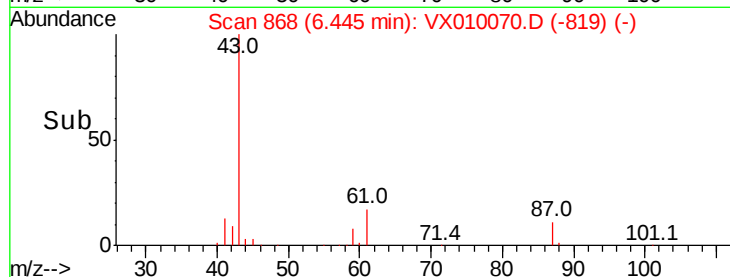
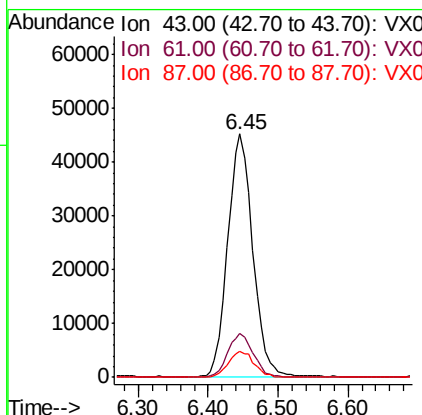
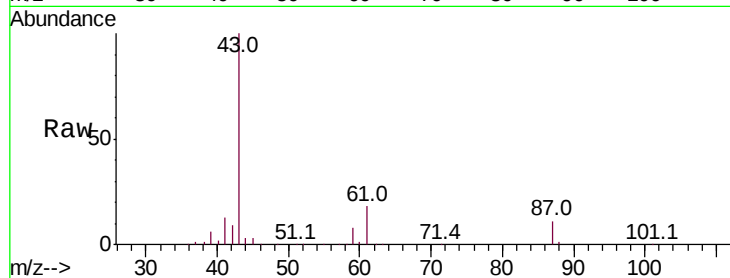
#43
Isopropyl Acetate
Concen: 19.127 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	11.0	8.7	13.1

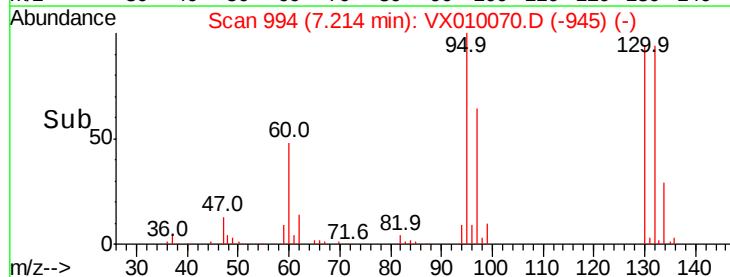
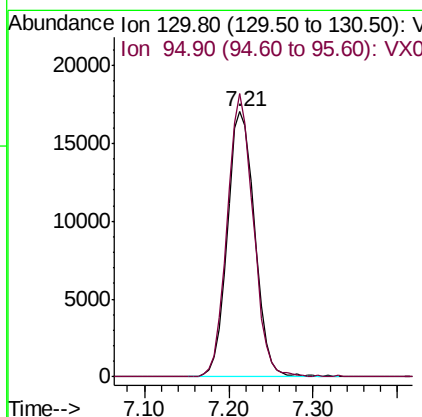
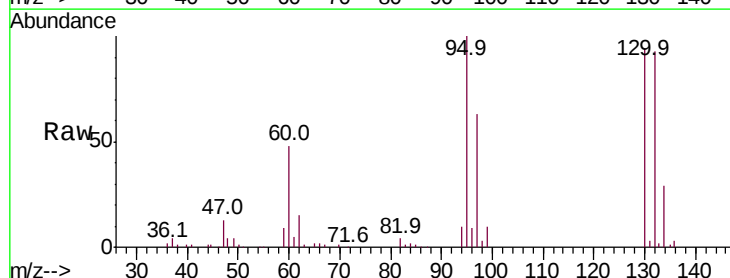
Manual Integrations
APPROVED

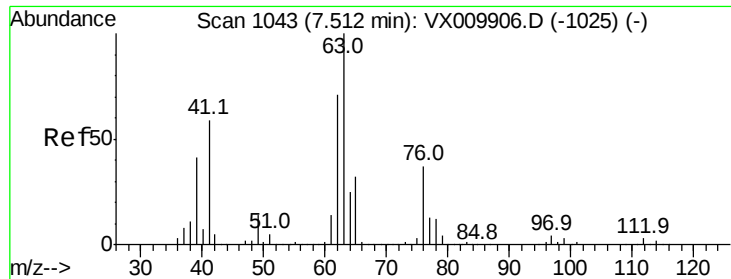
MMDadoda
6/6/2019 9:32:12 AM



#44
Trichloroethene
Concen: 19.818 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.689 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion: 63 Resp: 43868

Ion Ratio Lower Upper

63 100

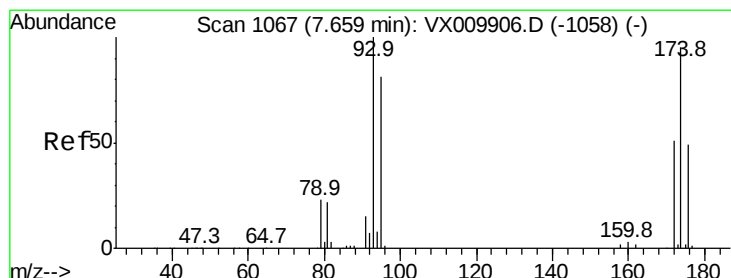
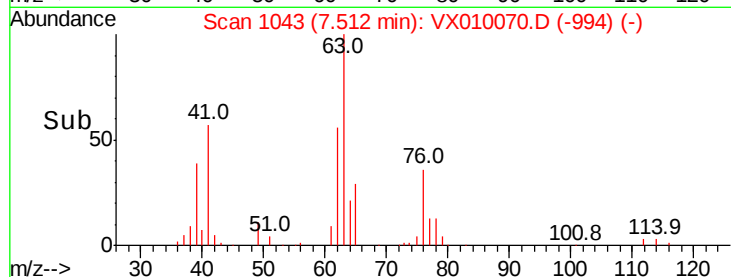
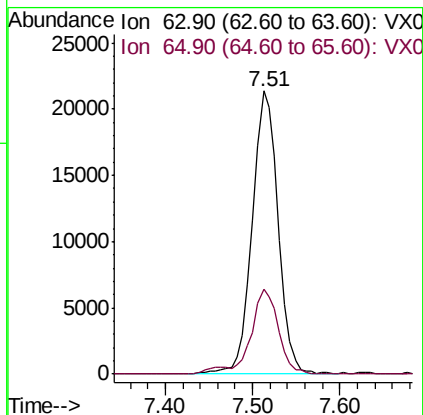
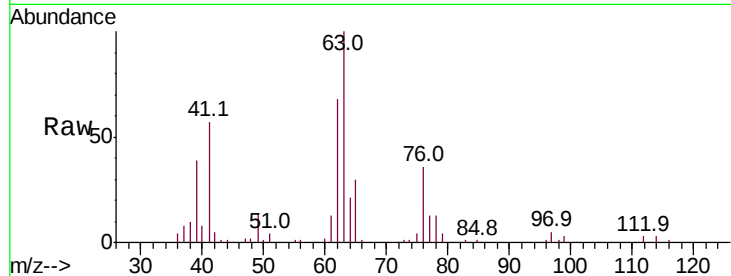
65 30.2 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:12 AM



#46

Dibromomethane

Concen: 18.979 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

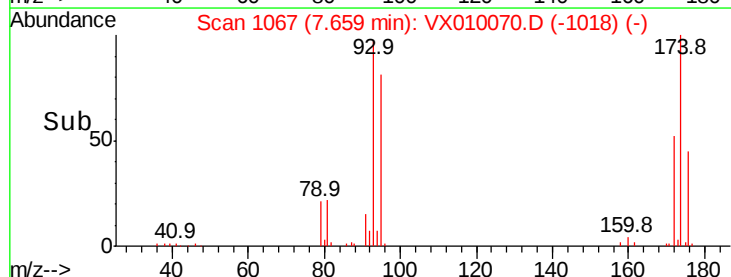
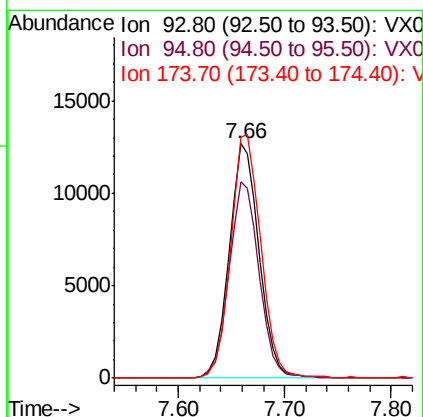
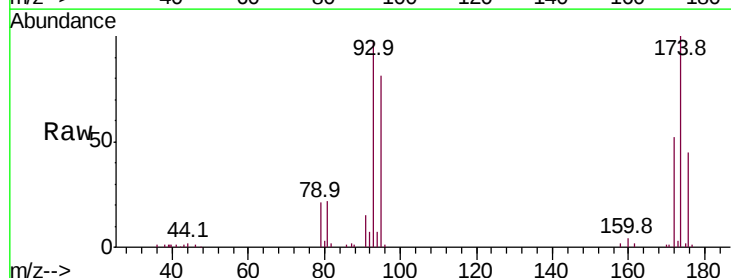
Tgt Ion: 93 Resp: 24892

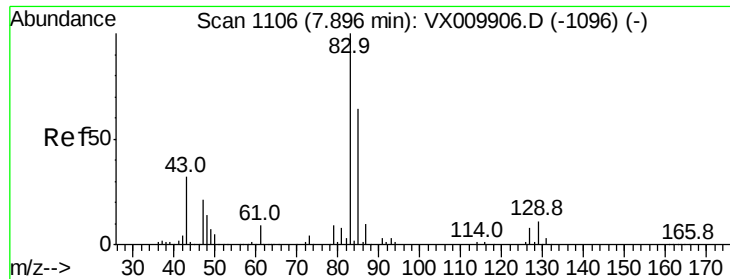
Ion Ratio Lower Upper

93 100

95 84.2 66.8 100.2

174 105.4 81.9 122.9





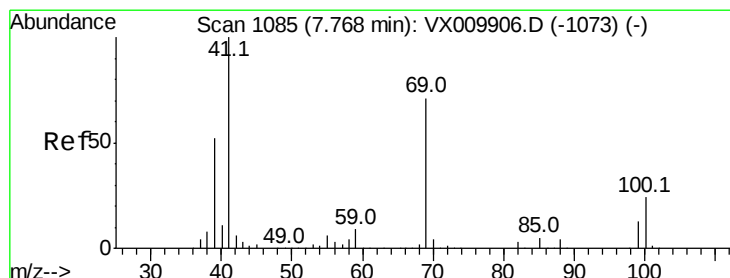
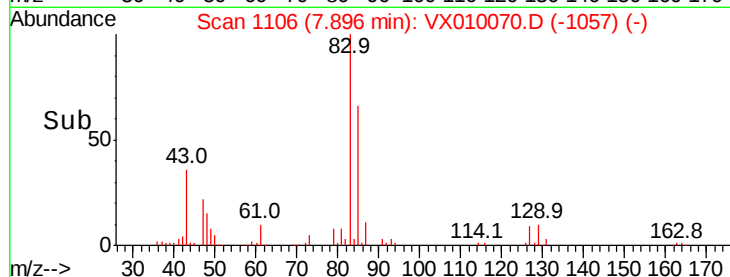
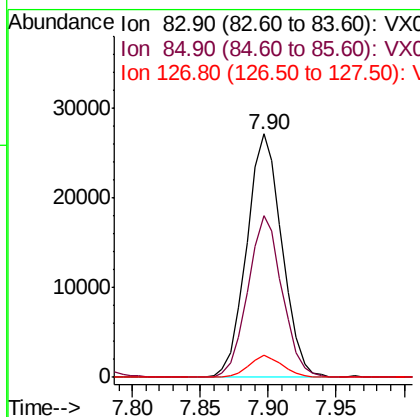
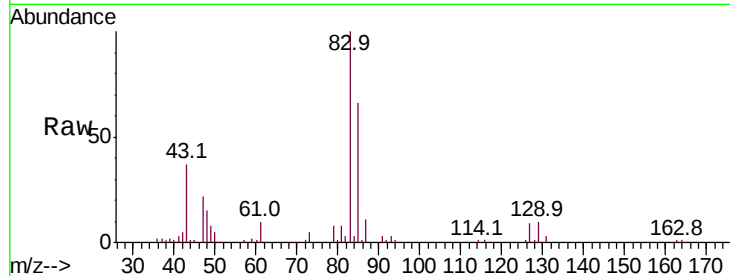
#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	83	Resp	49314
Ion Ratio	100	Lower	Upper
83	100		
85	66.5	51.4	77.2
127	9.3	6.4	9.6

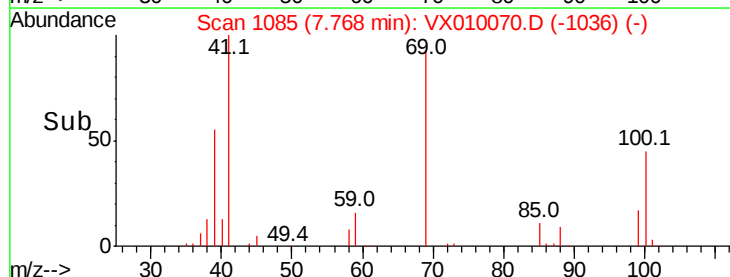
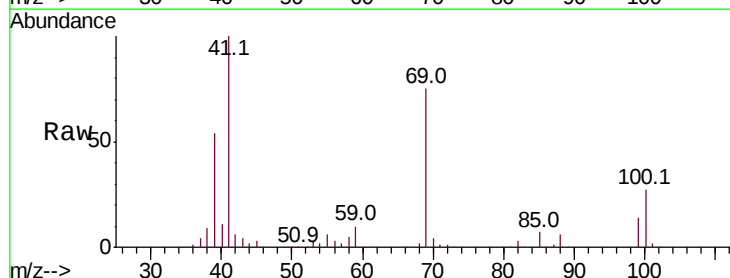
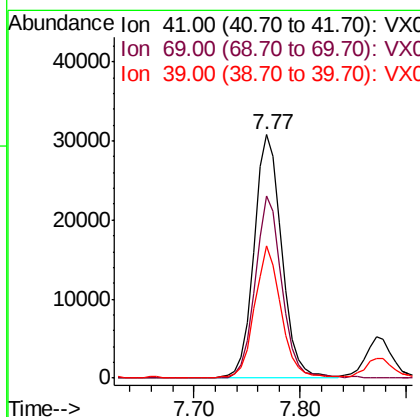
Manual Integrations
APPROVED

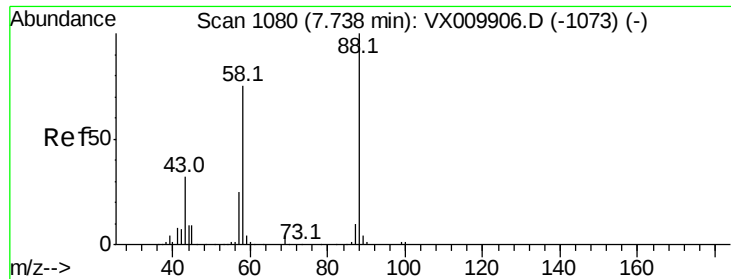
MMDadoda
6/6/2019 9:32:12 AM



#48
Methyl methacrylate
Concen: 19.247 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	41	Resp	55893
Ion Ratio	100	Lower	Upper
41	100		
69	72.3	56.4	84.6
39	51.4	40.6	60.8





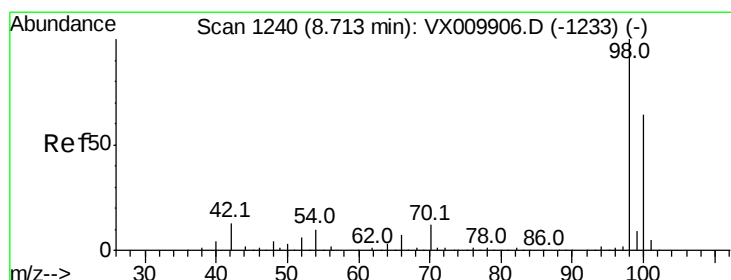
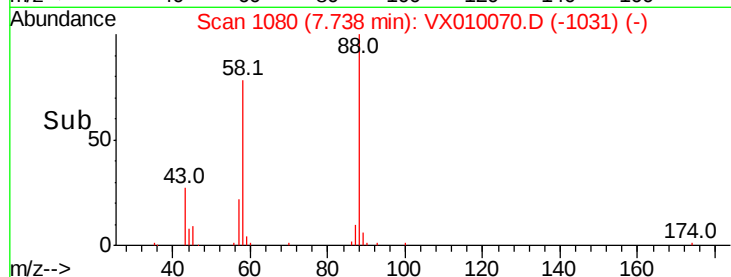
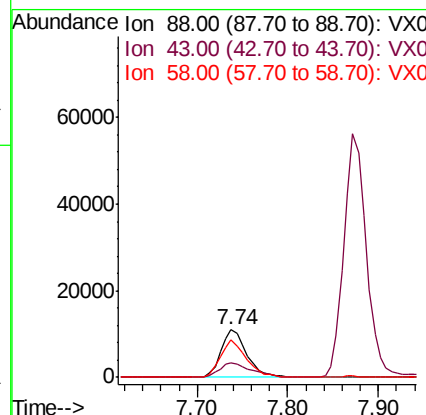
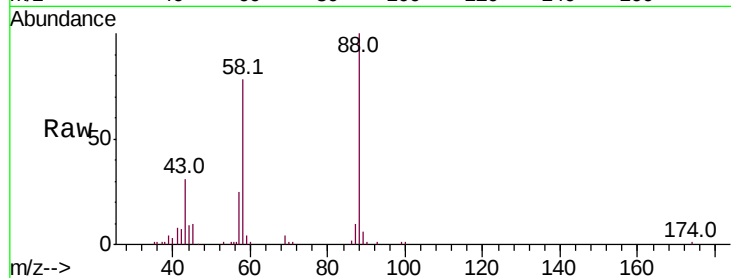
#49
1,4-Dioxane
Concen: 406.134 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	30.2	45.4
58	78.6	64.0	96.0

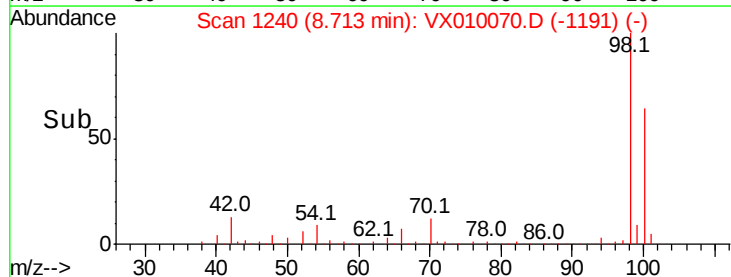
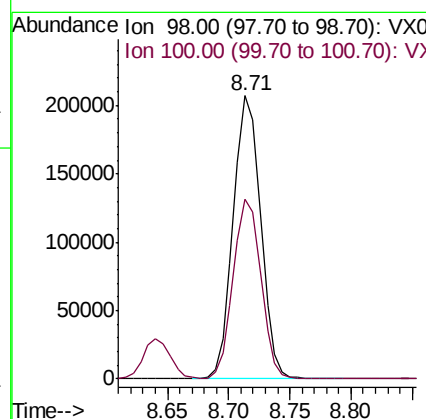
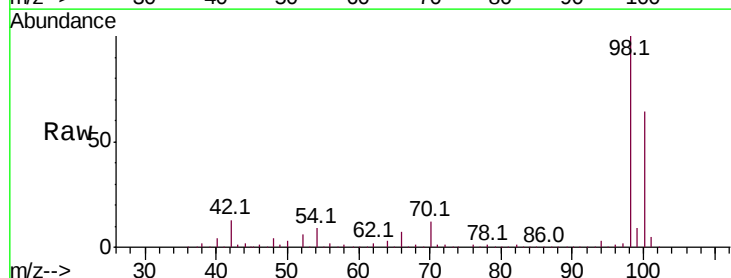
Manual Integrations
APPROVED

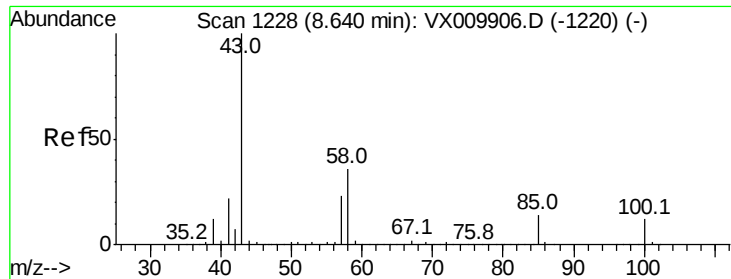
MMDadoda
6/6/2019 9:32:12 AM



#50
Toluene-d8
Concen: 49.030 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 96.855 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 43 Resp: 369603

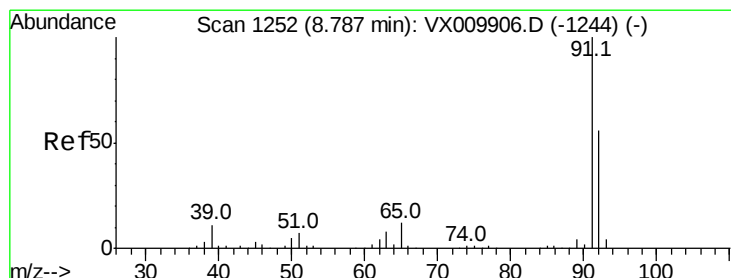
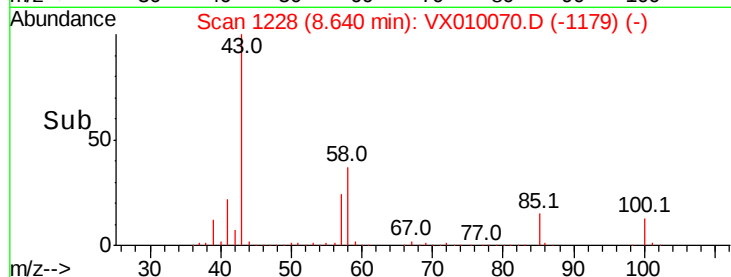
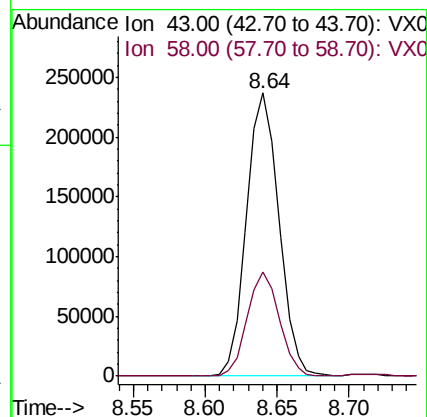
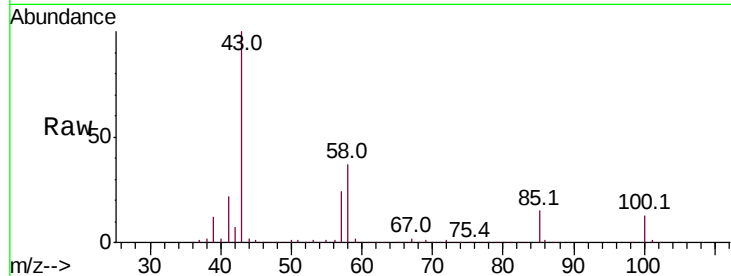
Ion Ratio Lower Upper

43 100

58 36.5 28.8 43.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:12 AM



#52

Toluene

Concen: 20.164 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010070.D

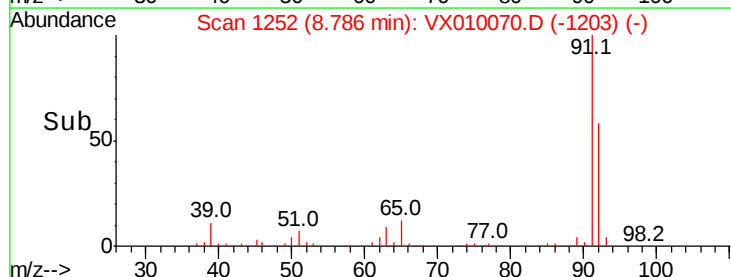
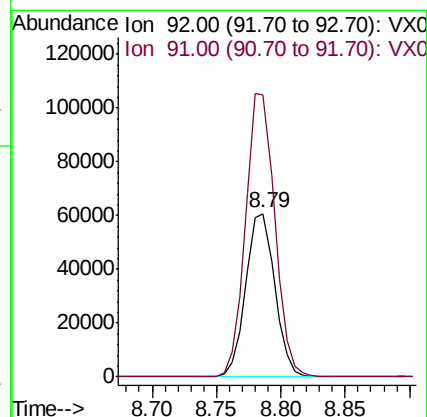
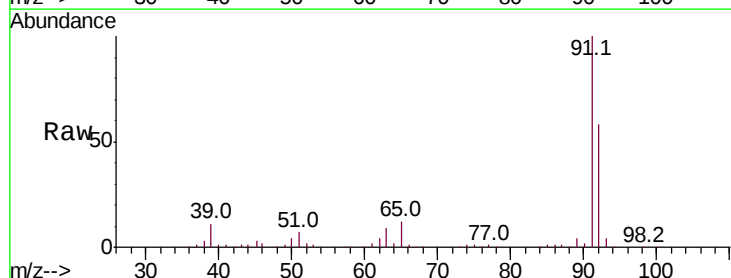
Acq: 05 Jun 2019 12:34

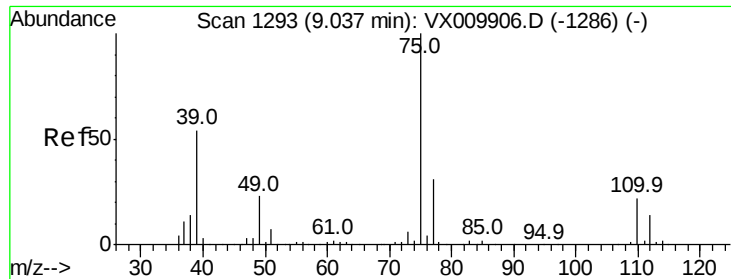
Tgt Ion: 92 Resp: 94763

Ion Ratio Lower Upper

92 100

91 175.0 139.9 209.9





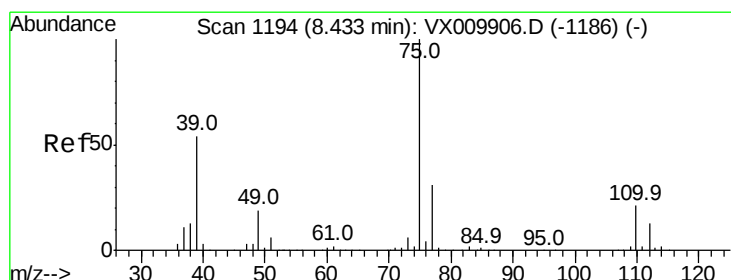
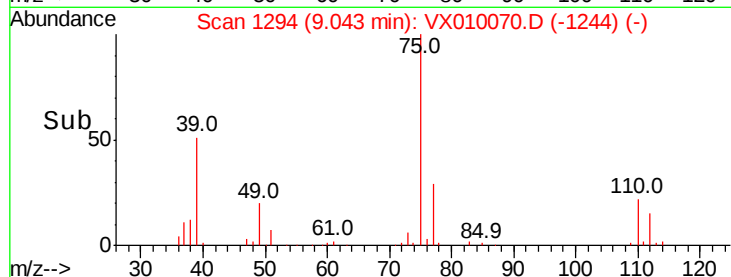
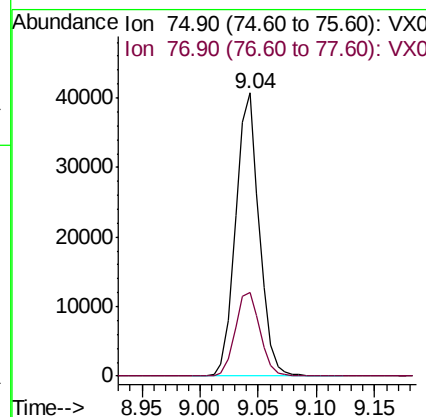
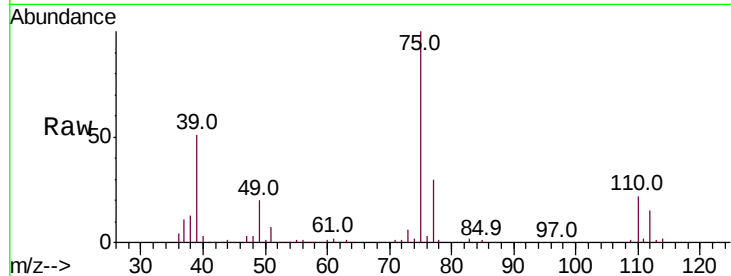
#53
t-1,3-Dichloropropene
Concen: 19.217 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion: 75 Resp: 57480
Ion Ratio Lower Upper
75 100
77 29.7 24.6 36.8

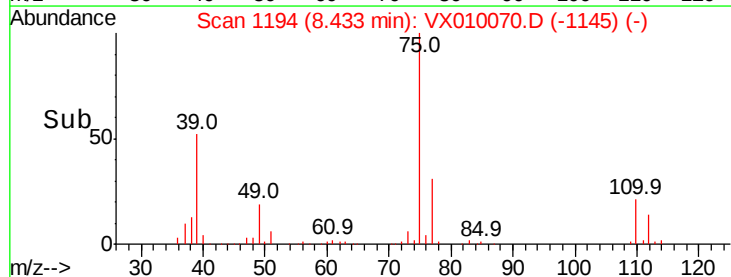
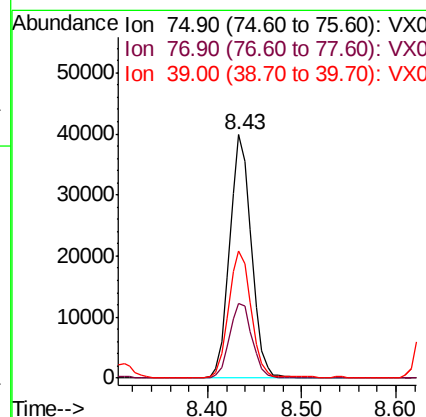
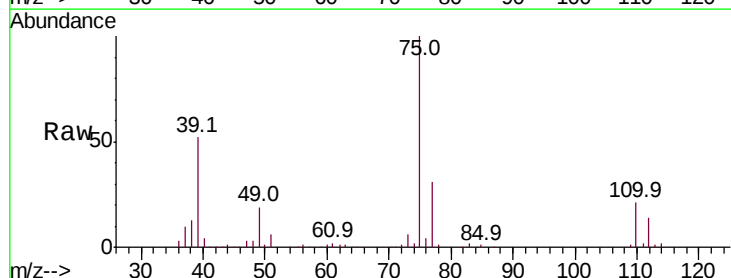
Manual Integrations
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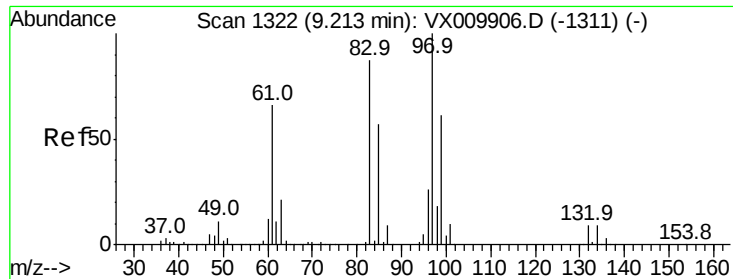
MMDadoda
6/6/2019 9:32:12 AM



#54
cis-1,3-Dichloropropene
Concen: 19.533 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion: 75 Resp: 63656
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 52.0 43.4 65.0





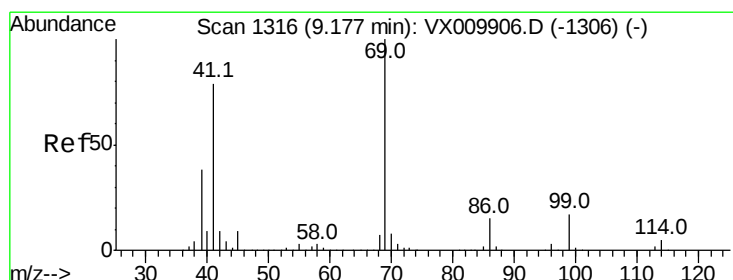
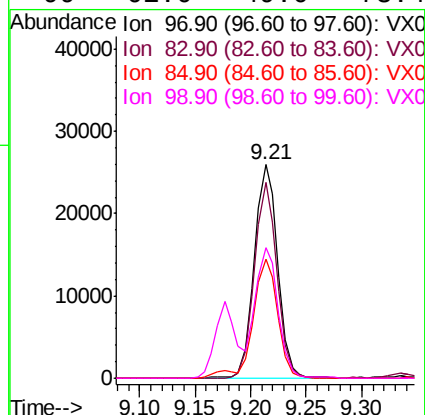
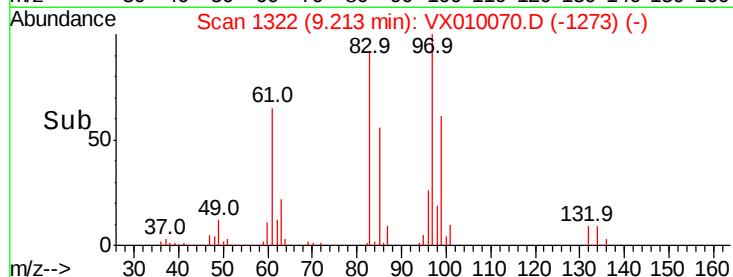
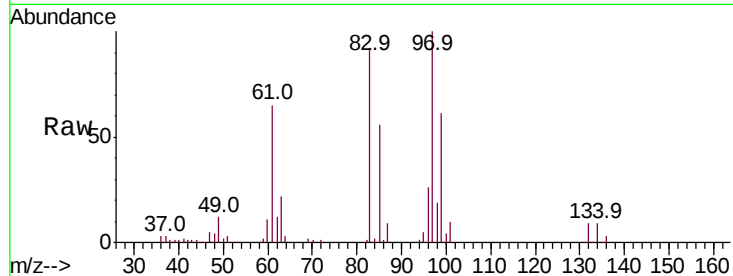
#55
 1,1,2-Trichloroethane
 Concen: 20.134 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.9	69.8	104.8
85	55.8	45.3	67.9
99	61.0	49.0	73.4

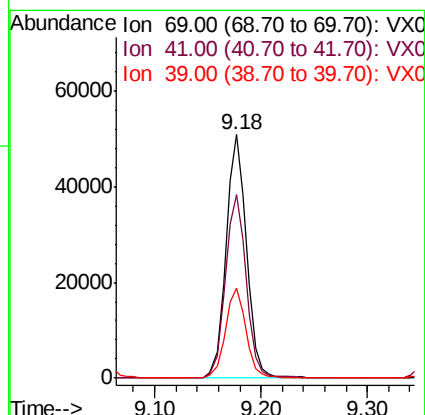
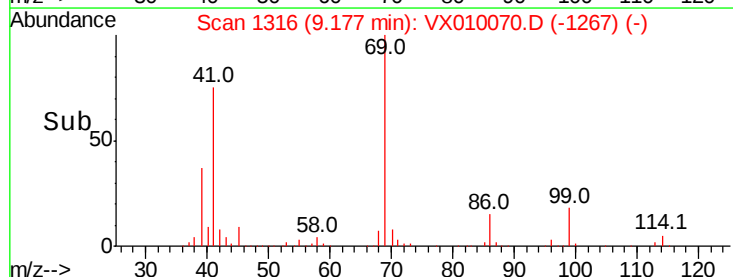
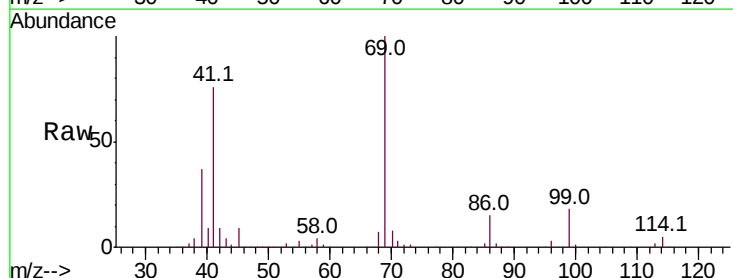
Manual Integrations
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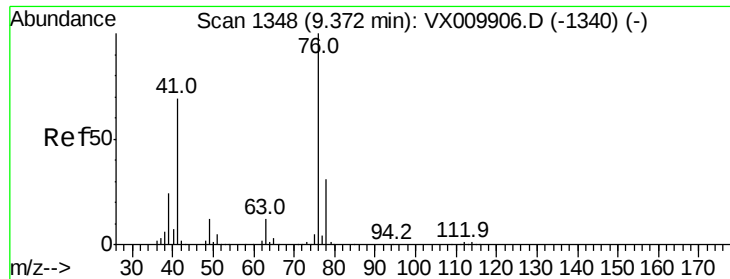
MMDadoda
 6/6/2019 9:32:12 AM



#56
 Ethyl methacrylate
 Concen: 20.366 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.0	62.7	94.1
39	36.9	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.536 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion: 76 Resp: 66361

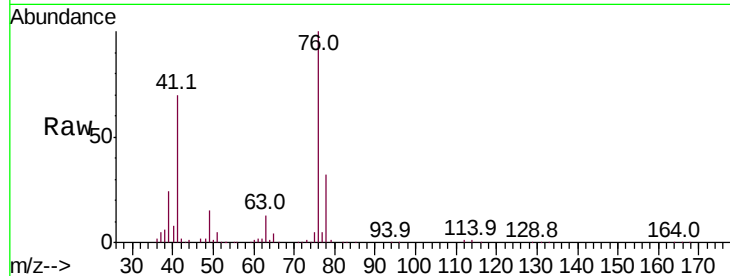
Ion Ratio Lower Upper

76 100

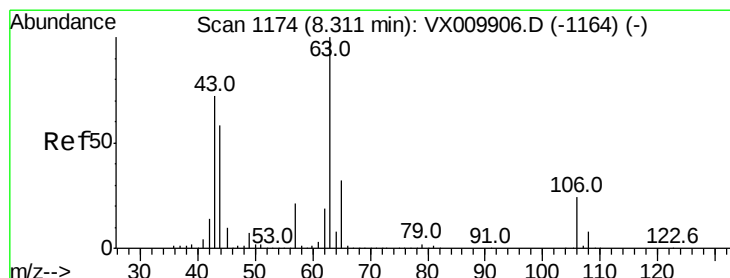
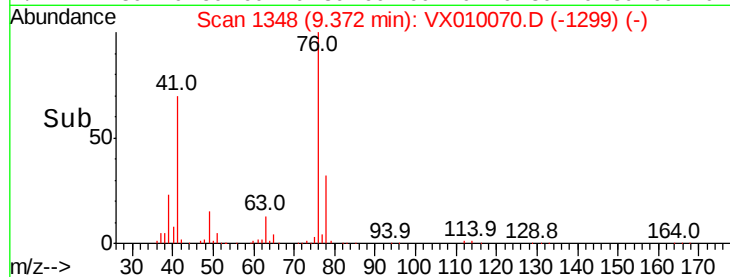
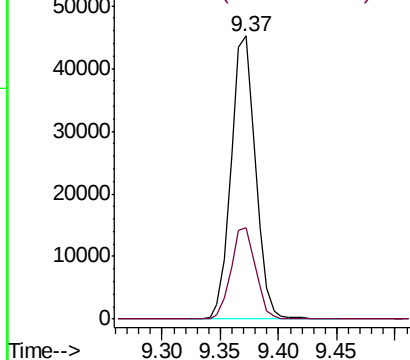
78 32.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 96.316 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010070.D

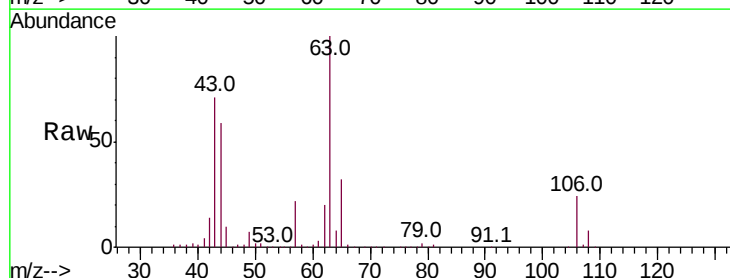
Acq: 05 Jun 2019 12:34

Tgt Ion: 63 Resp: 170074

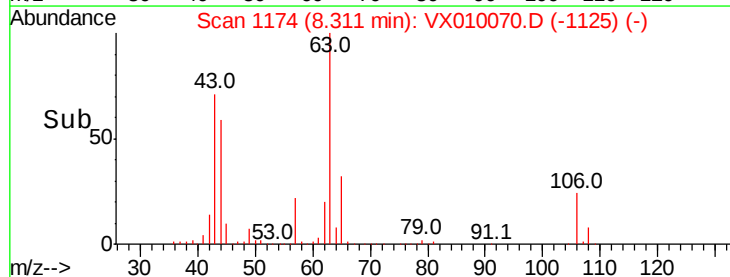
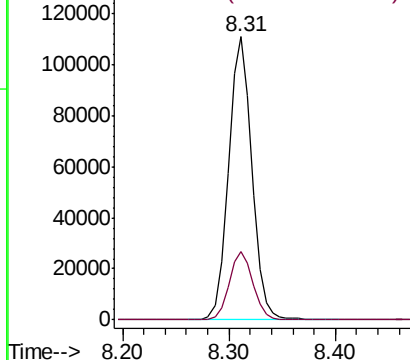
Ion Ratio Lower Upper

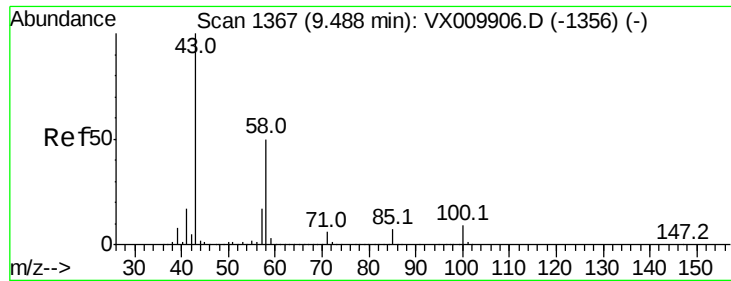
63 100

106 24.4 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V





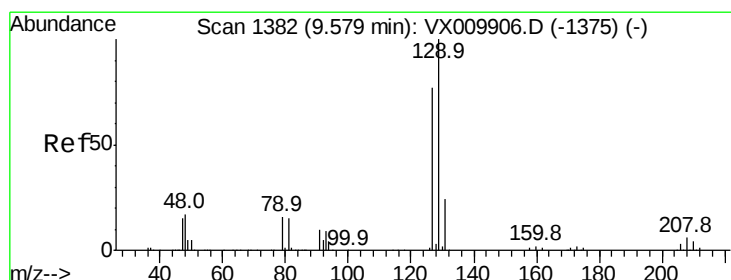
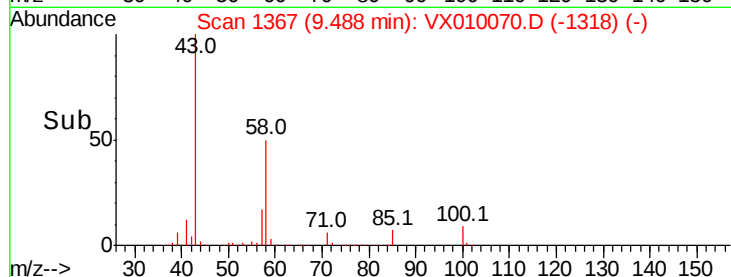
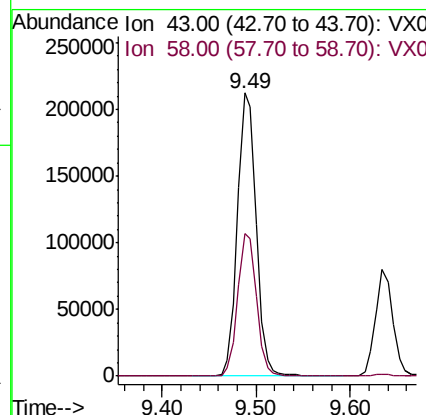
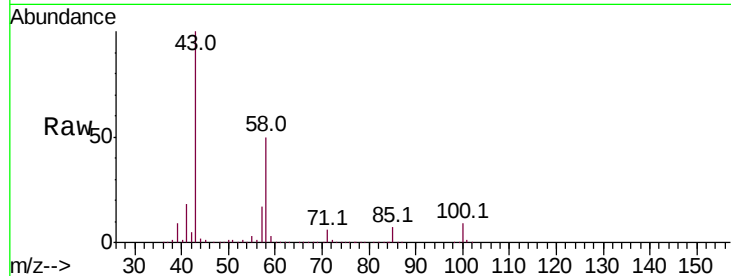
#59
2-Hexanone
Concen: 100.023 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion: 43 Resp: 293865
Ion Ratio Lower Upper
43 100
58 50.6 25.1 75.3

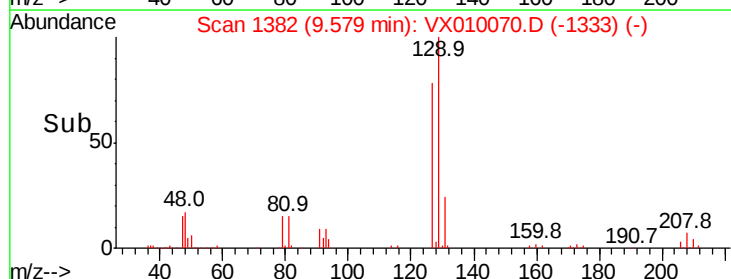
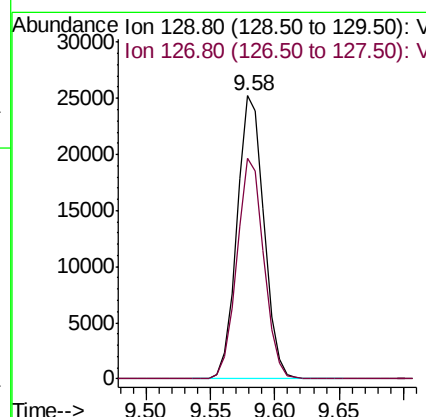
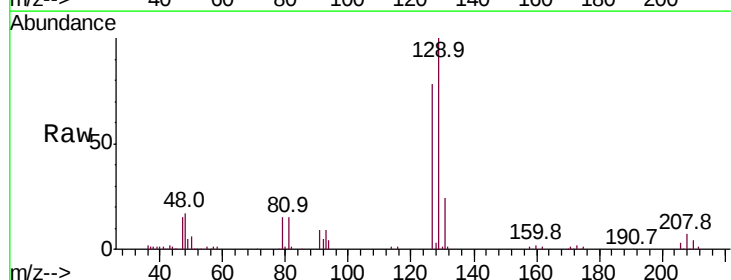
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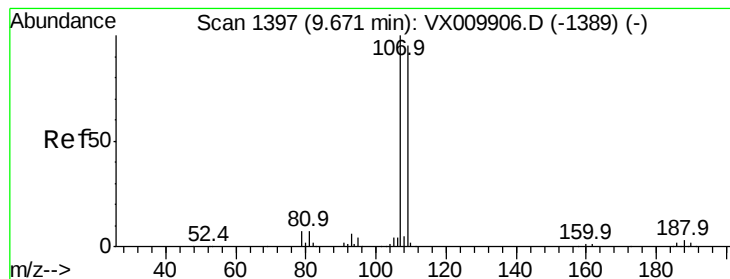
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#60
Dibromochloromethane
Concen: 19.789 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion: 129 Resp: 36820
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.198 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:107 Resp: 39250

Ion Ratio Lower Upper

107 100

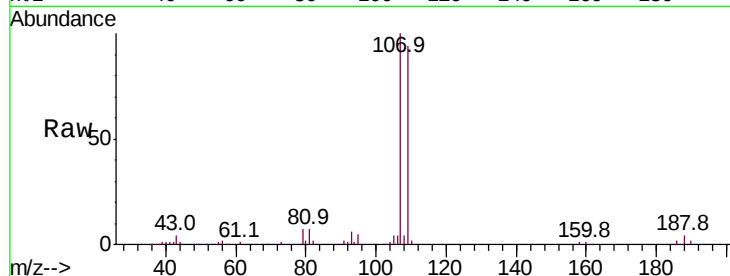
109 93.6 75.4 113.2

Manual Integrations

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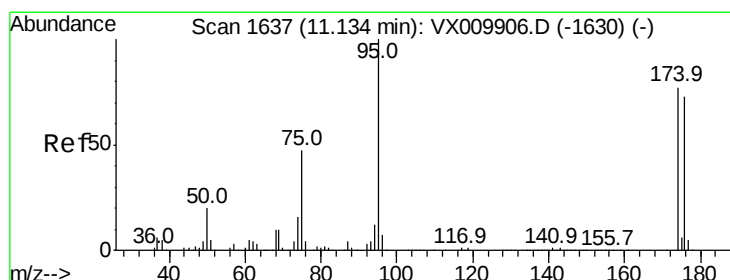
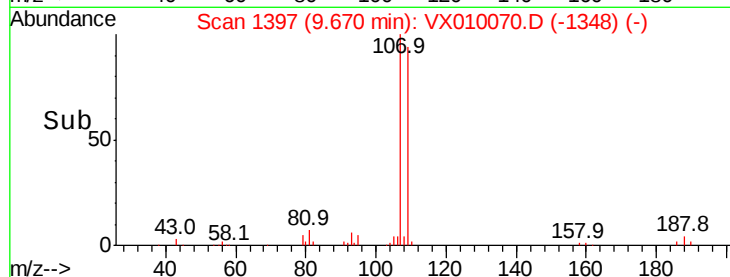
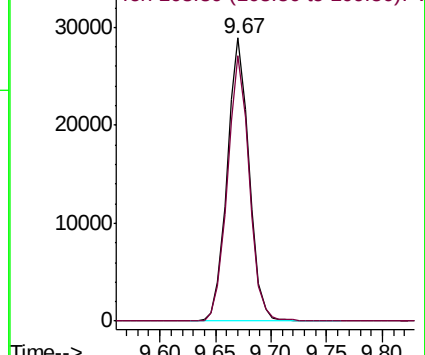
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.486 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

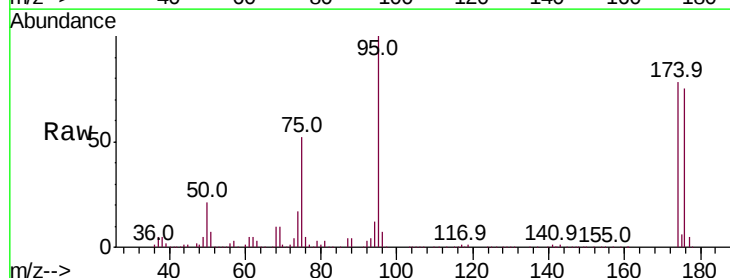
Tgt Ion: 95 Resp: 116696

Ion Ratio Lower Upper

95 100

174 83.5 0.0 160.4

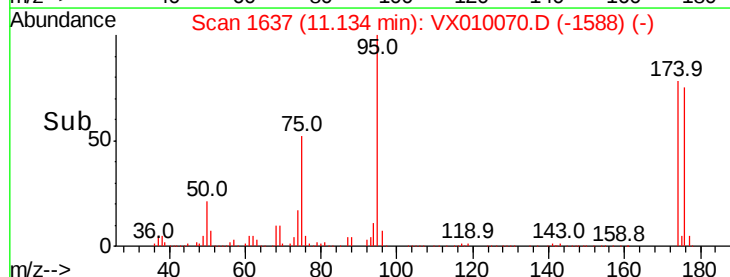
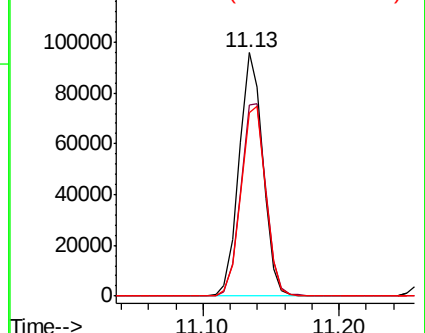
176 81.4 0.0 154.6

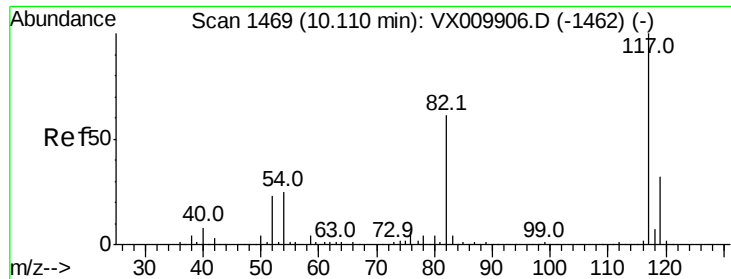


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:117 Resp: 234295

Ion Ratio Lower Upper

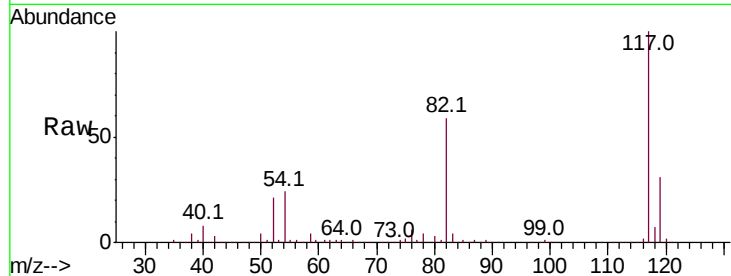
117 100

82 59.0 49.2 73.8

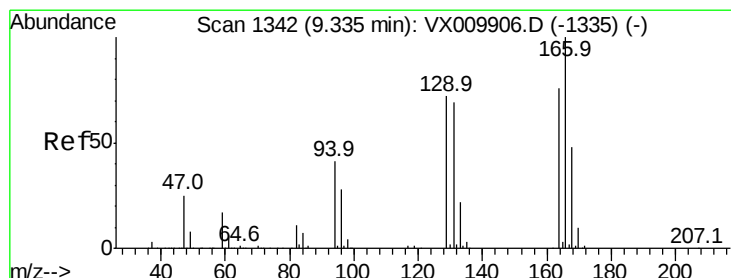
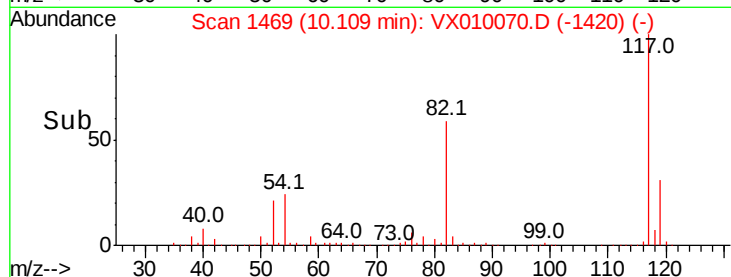
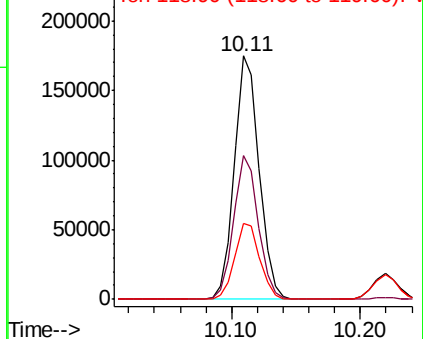
119 31.2 25.2 37.8

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.521 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion:164 Resp: 35220

Ion Ratio Lower Upper

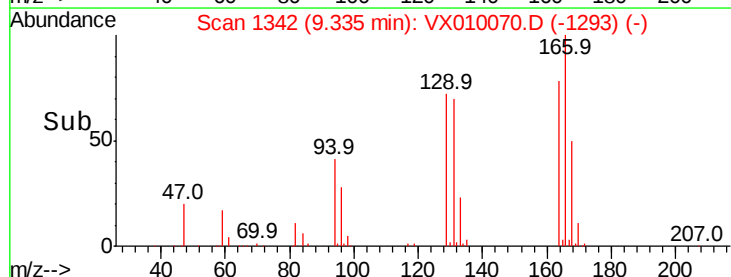
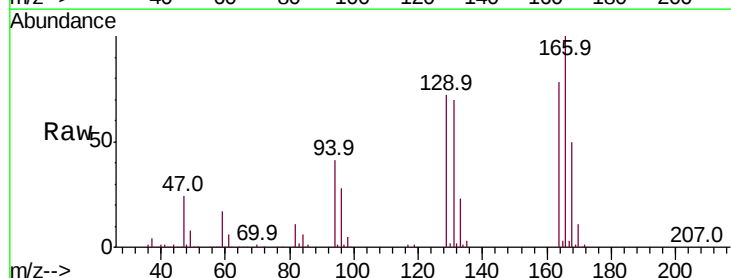
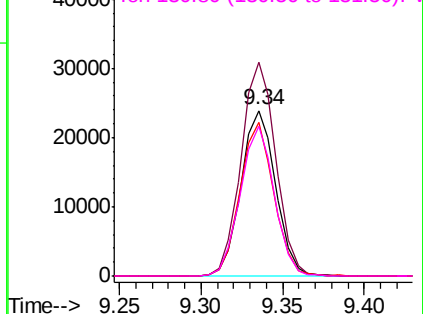
164 100

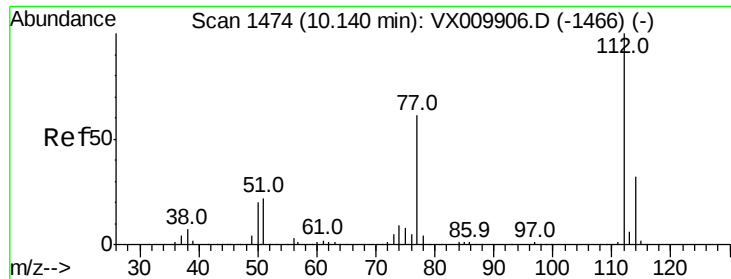
166 129.0 105.0 157.4

129 92.4 75.1 112.7

131 90.1 72.2 108.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.444 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion:112 Resp: 100276

Ion Ratio Lower Upper

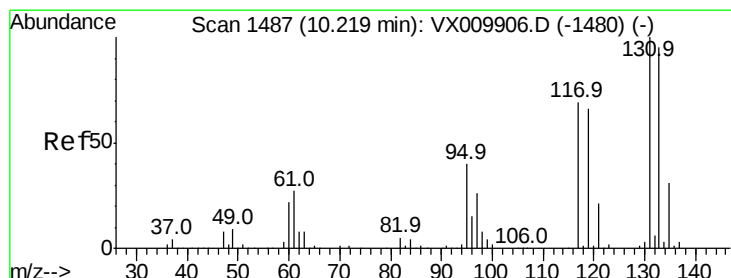
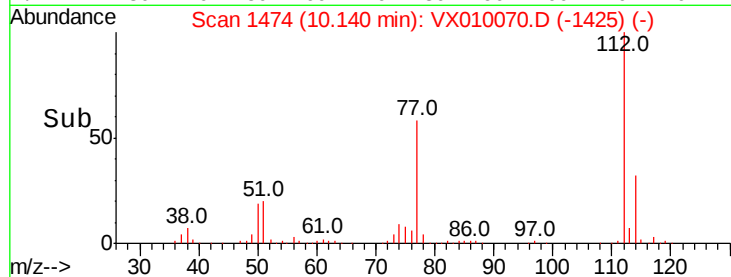
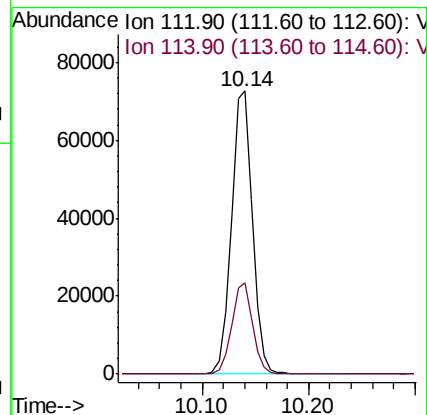
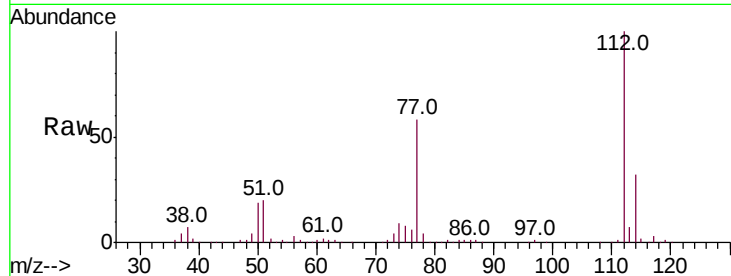
112 100

114 32.3 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.522 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

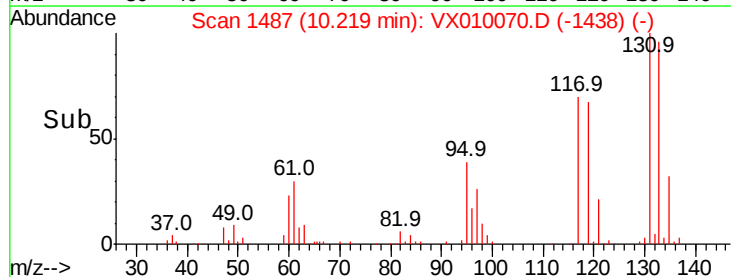
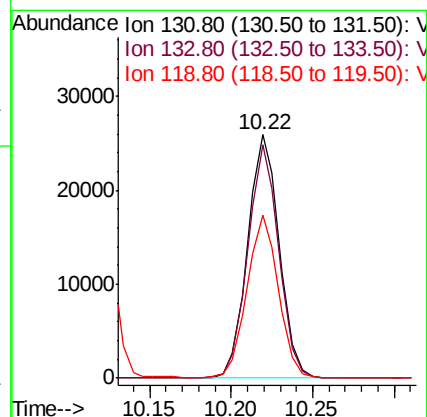
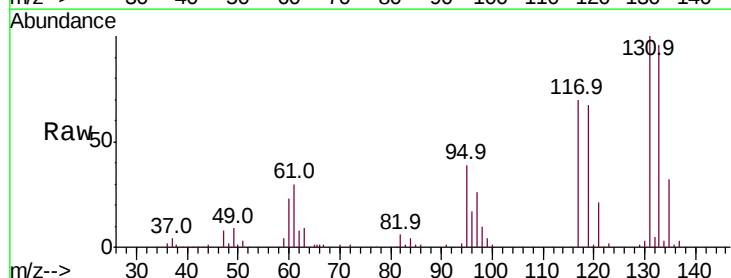
Tgt Ion:131 Resp: 34913

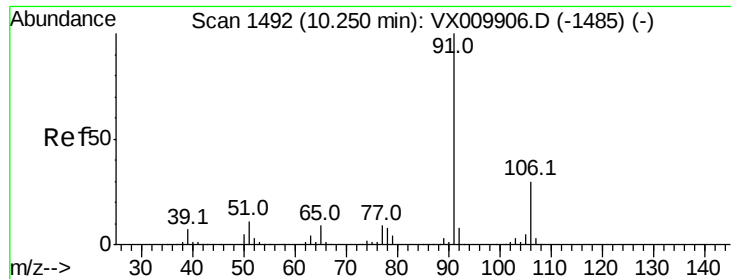
Ion Ratio Lower Upper

131 100

133 94.4 47.5 142.6

119 66.8 33.4 100.1





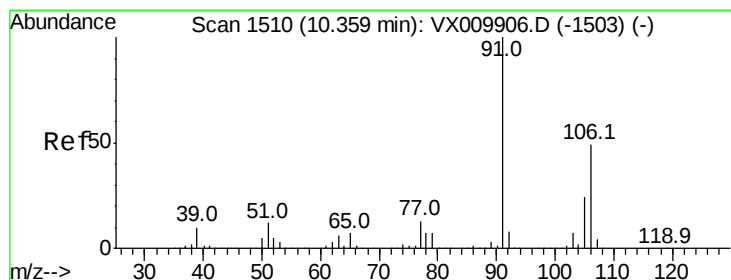
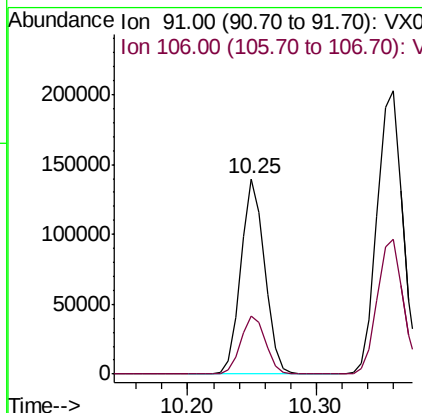
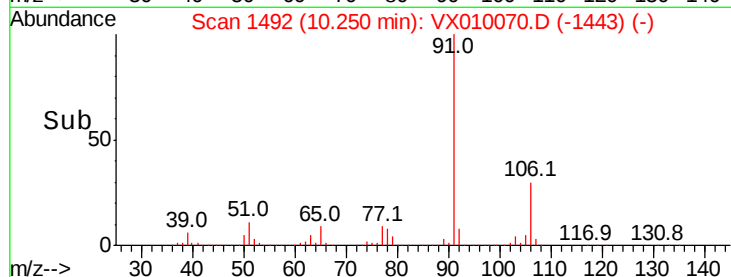
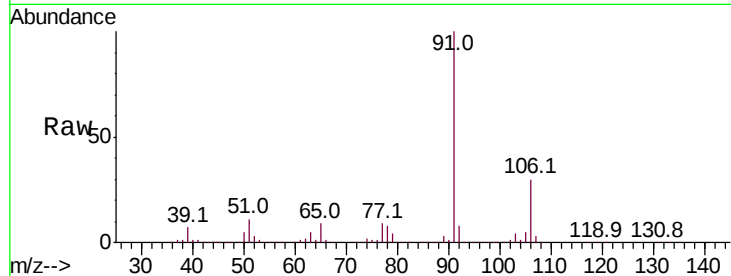
#67
Ethyl Benzene
Concen: 20.316 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion: 91 Resp: 178924
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9

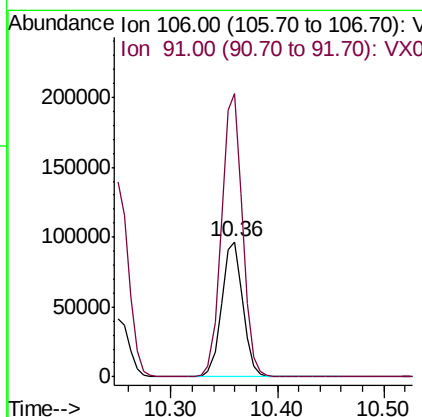
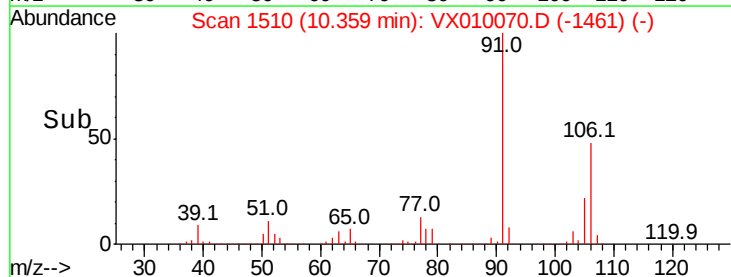
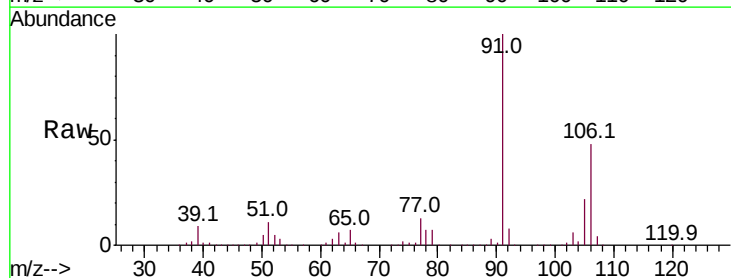
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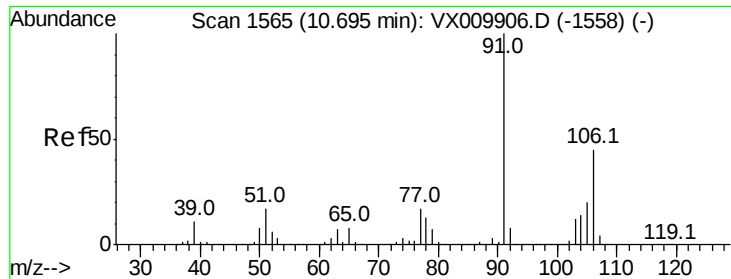
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#68
m/p-Xylenes
Concen: 40.997 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion: 106 Resp: 133388
Ion Ratio Lower Upper
106 100
91 207.5 167.3 250.9





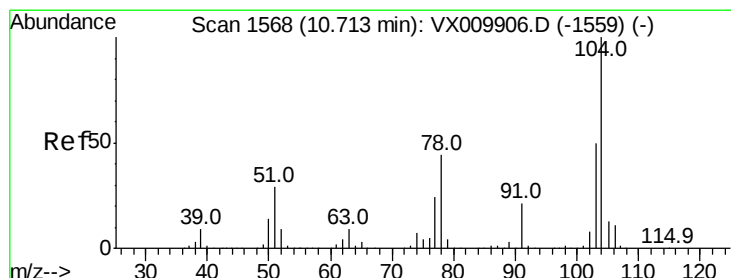
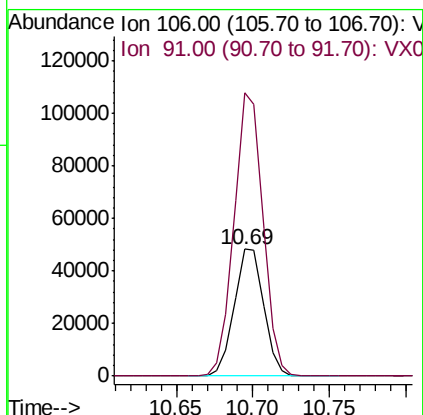
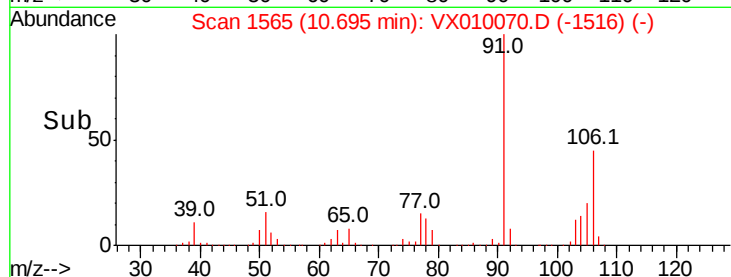
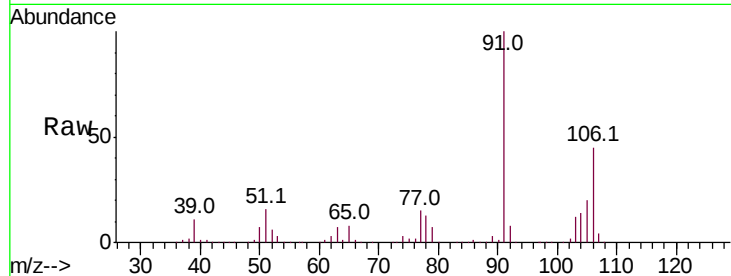
#69
o-Xylene
Concen: 20.674 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampled :
VX0605WBS01

Tot Ion:106 Resp: 64510
Ion Ratio Lower Upper
106 100
91 220.1 110.4 331.2

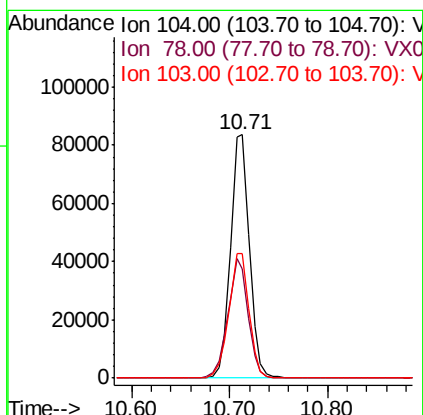
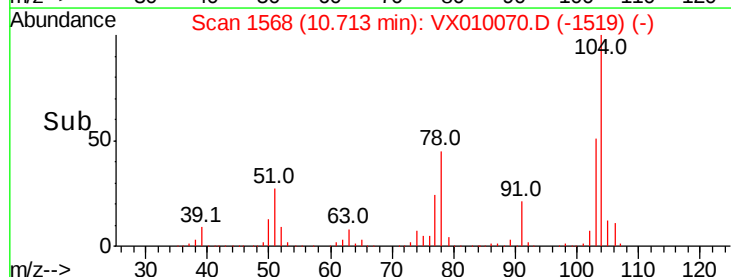
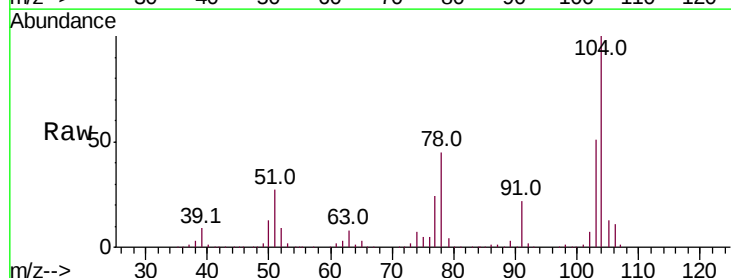
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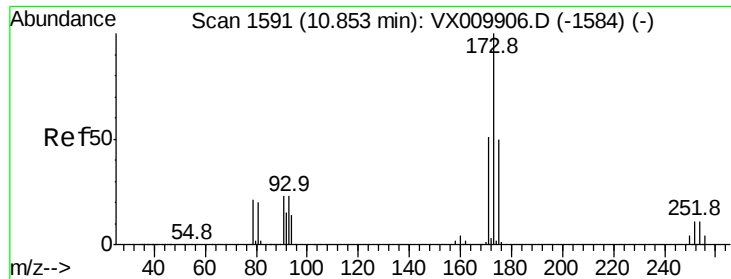
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#70
Styrene
Concen: 20.534 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion:104 Resp: 112353
Ion Ratio Lower Upper
104 100
78 52.3 42.1 63.1
103 55.1 44.1 66.1





#71

Bromoform

Concen: 20.450 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:173 Resp: 28438

Ion Ratio Lower Upper

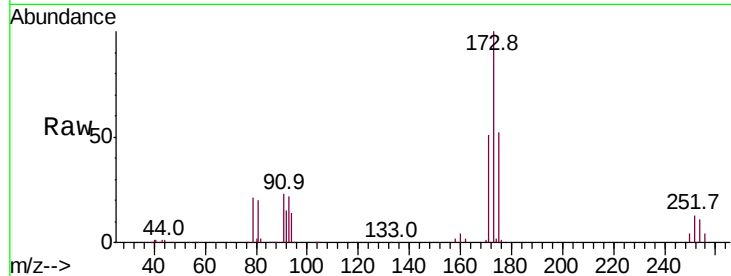
173 100

175 49.6 25.0 75.0

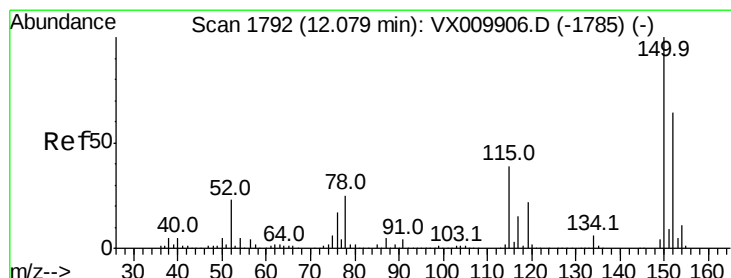
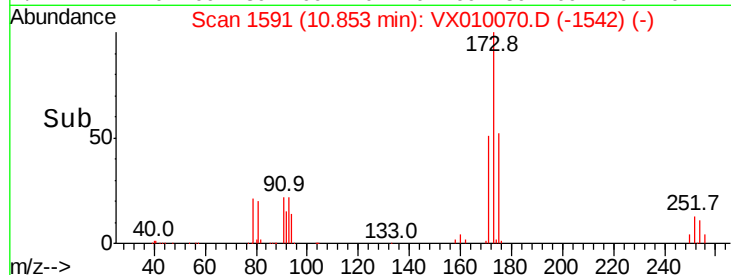
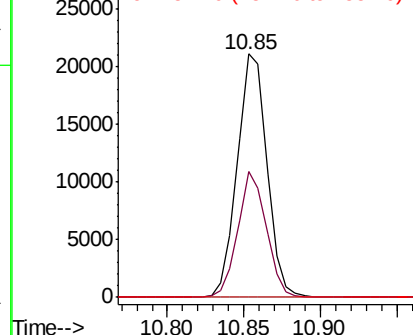
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

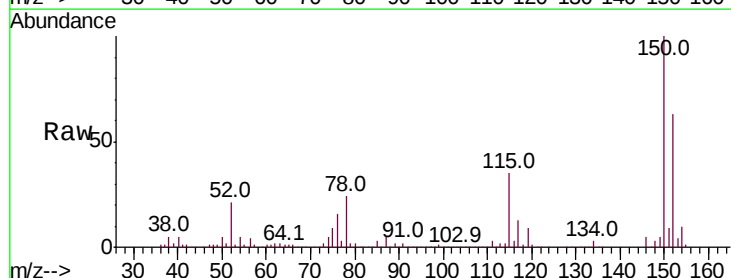
Tgt Ion:152 Resp: 114108

Ion Ratio Lower Upper

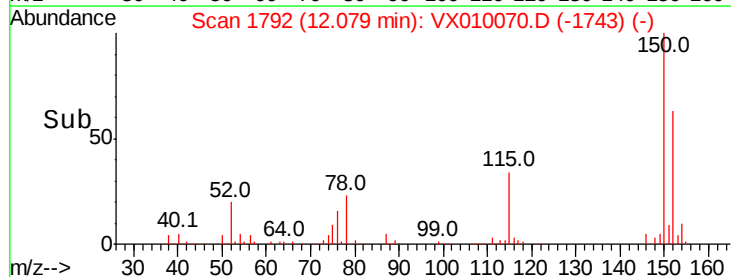
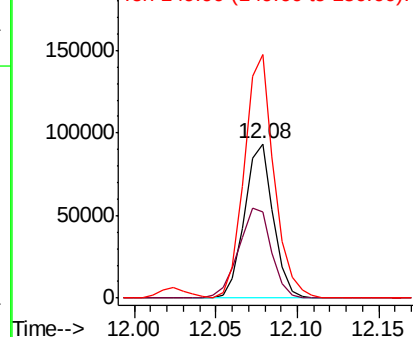
152 100

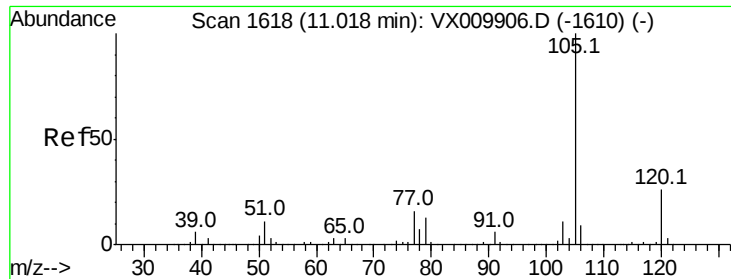
115 67.2 41.4 124.2

150 164.0 0.0 345.2



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





#73

Isopropylbenzene

Concen: 20.623 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 105 Resp: 173625

Ion Ratio Lower Upper

105 100

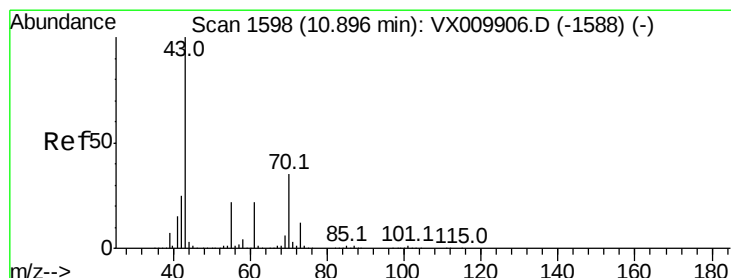
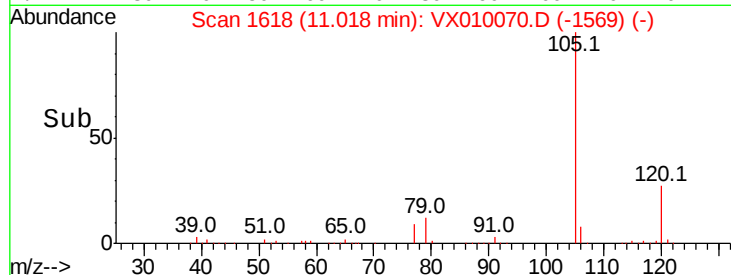
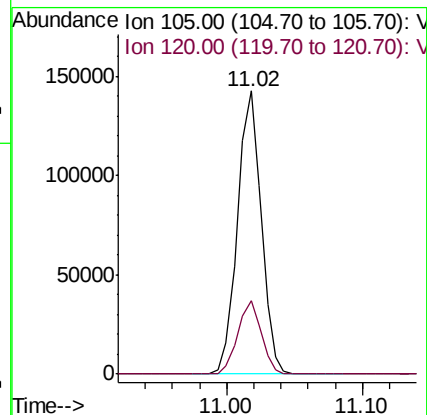
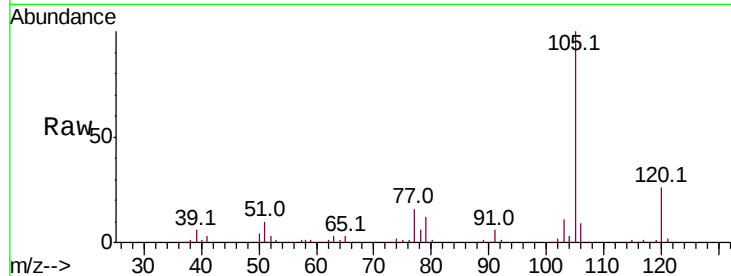
120 25.8 12.8 38.4

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#74

N-ethyl acetate

Concen: 19.829 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion: 43 Resp: 99759

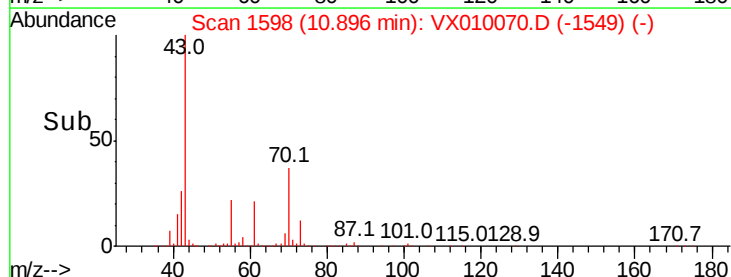
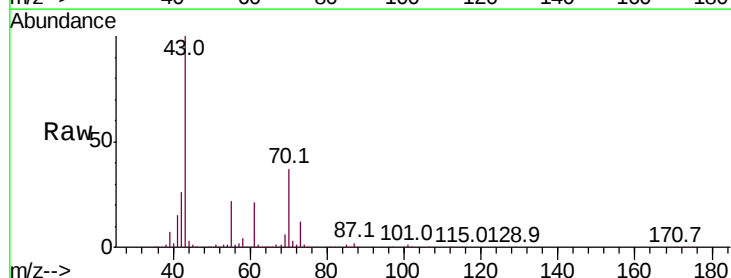
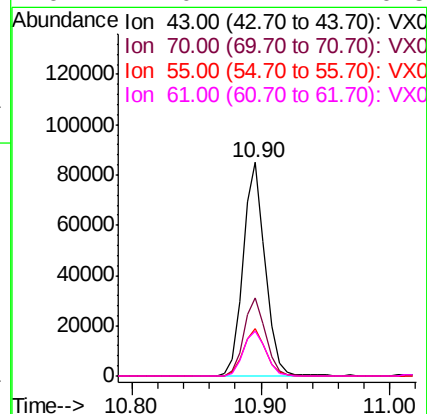
Ion Ratio Lower Upper

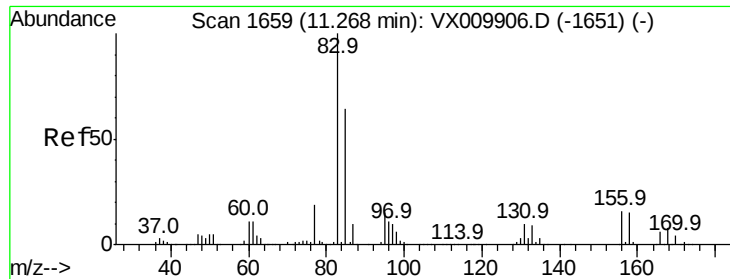
43 100

70 36.7 28.6 43.0

55 23.1 17.8 26.8

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.839 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

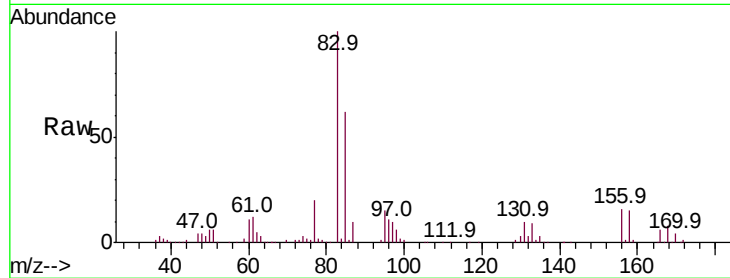
ClientSampled :

VX0605WBS01

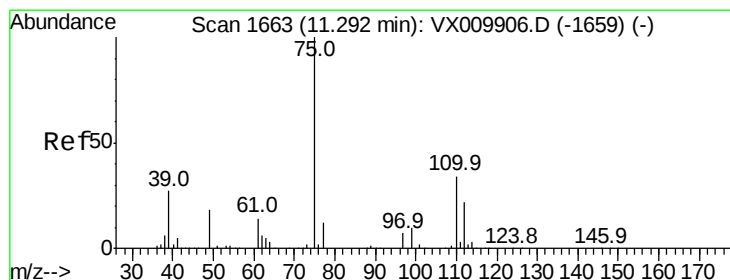
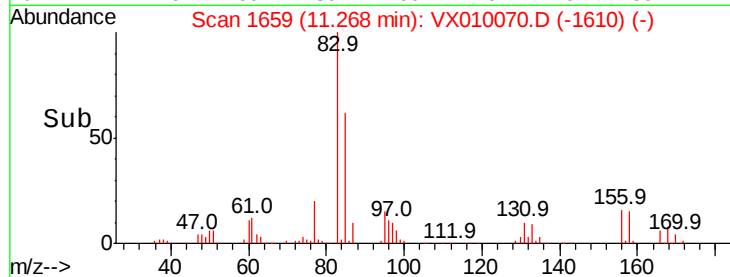
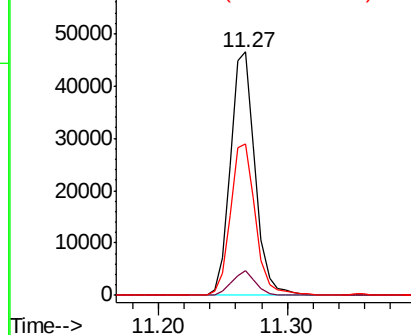
Tot Ion:	83	Resp:	62313
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	63.5	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.796 ug/l m

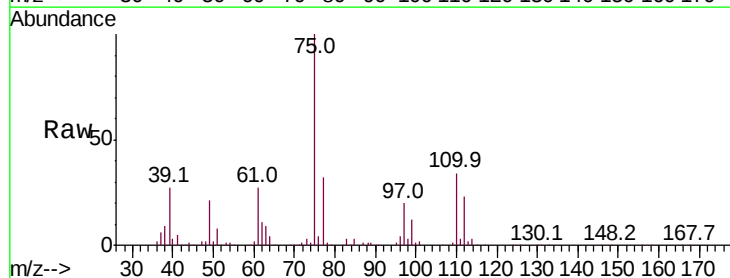
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

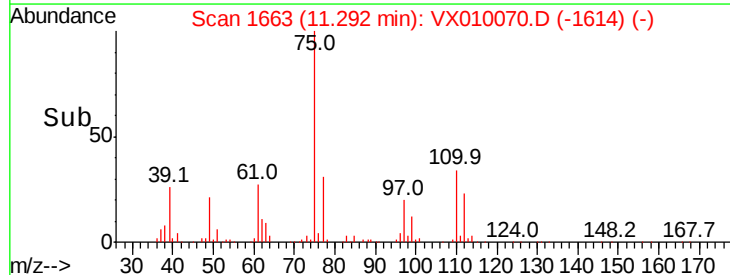
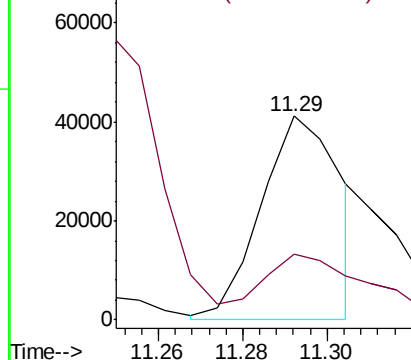
Lab File: VX010070.D

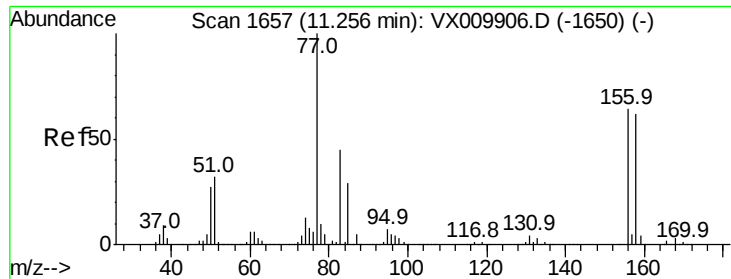
Acq: 05 Jun 2019 12:34

Tgt Ion:	75	Resp:	54017
Ion Ratio	Lower	Upper	
75	100		
77	43.3	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: 20.170 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:156 Resp: 43277

Ion Ratio Lower Upper

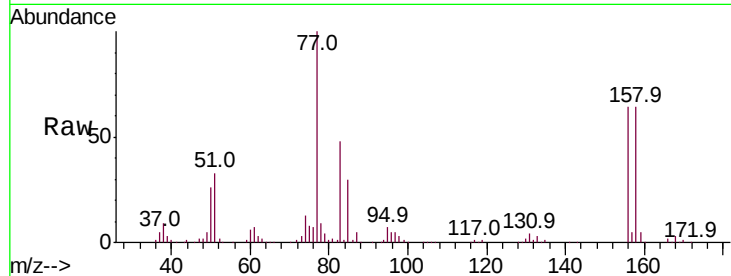
156 100

77 166.0 86.8 260.3

158 97.3 49.6 148.8

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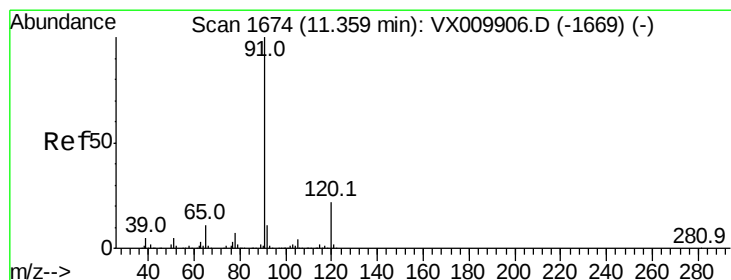
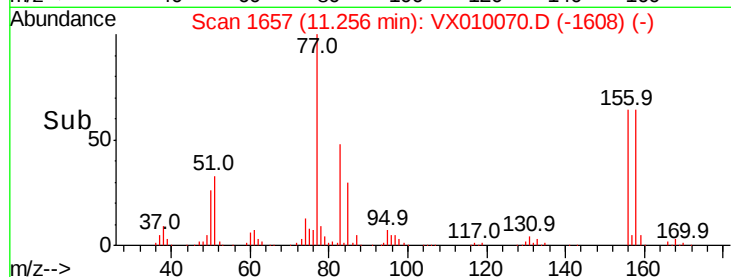
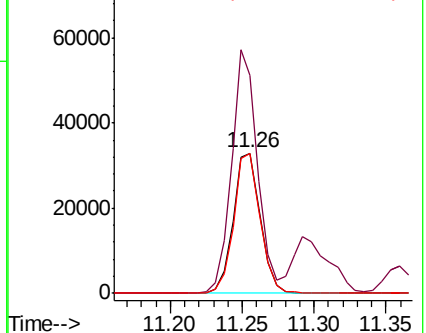
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.478 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010070.D

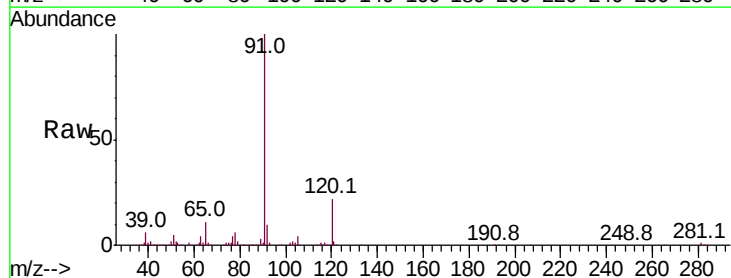
Acq: 05 Jun 2019 12:34

Tgt Ion: 91 Resp: 198727

Ion Ratio Lower Upper

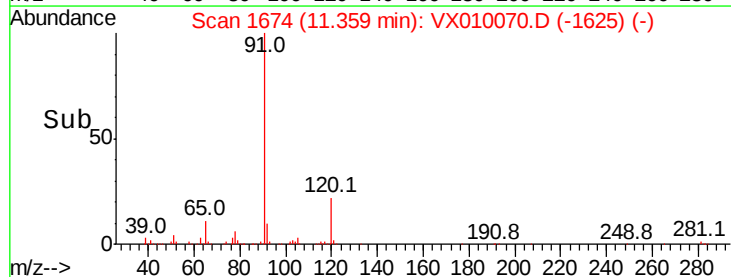
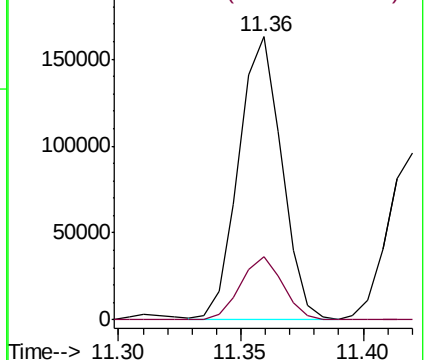
91 100

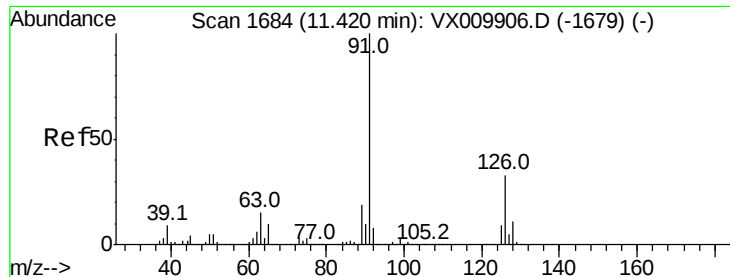
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.096 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 91 Resp: 119152

Ion Ratio Lower Upper

91 100

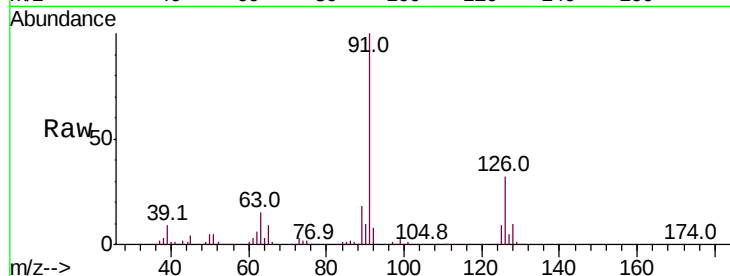
126 32.9 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

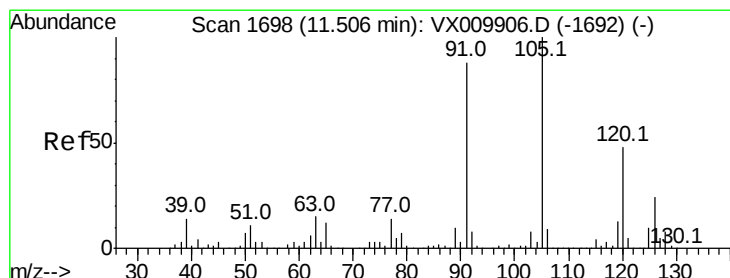
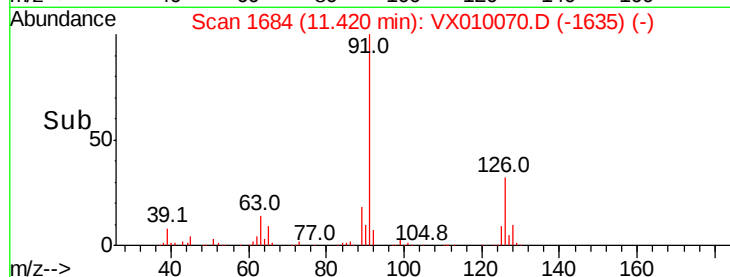
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.513 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010070.D

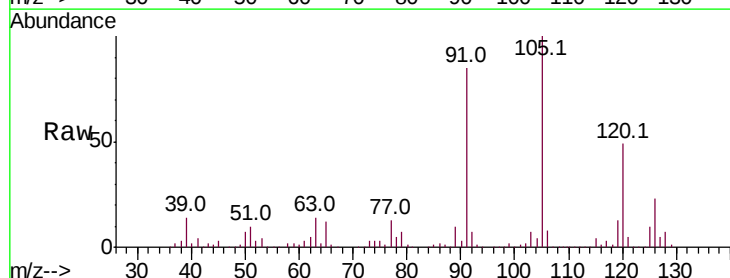
Acq: 05 Jun 2019 12:34

Tgt Ion:105 Resp: 145497

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

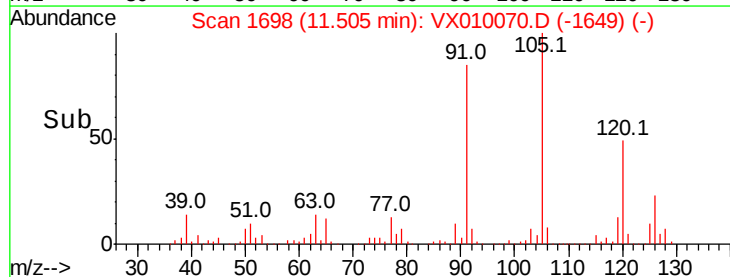
100000

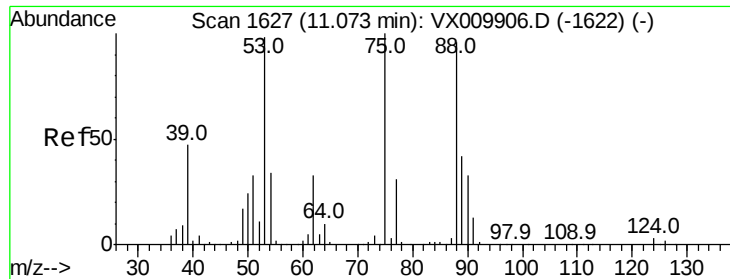
50000

0

11.45 11.50 11.55

Time-->





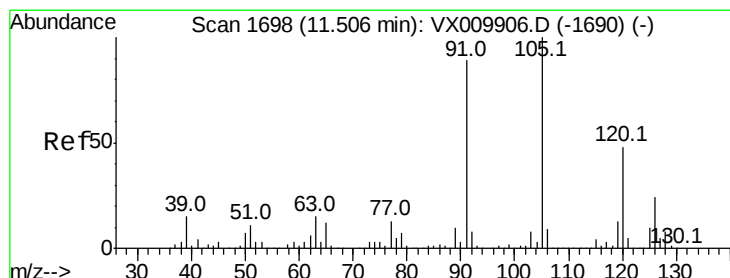
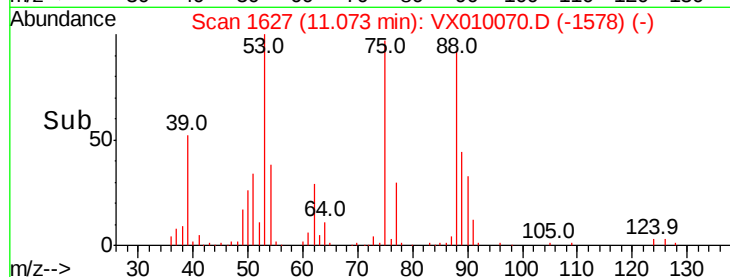
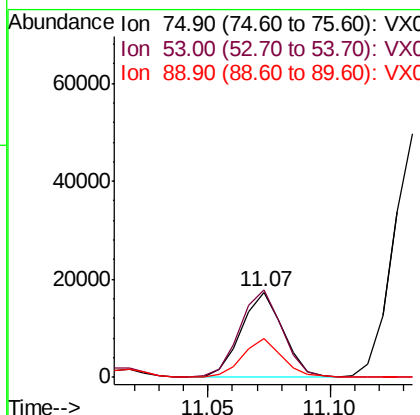
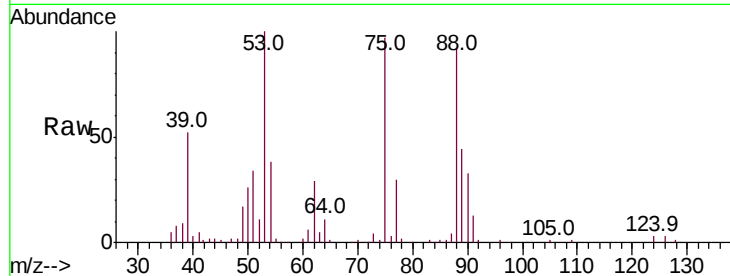
#81
trans-1,4-Dichloro-2-butene
Concen: 18.614 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.3	79.8	119.6
89	44.3	34.2	51.4

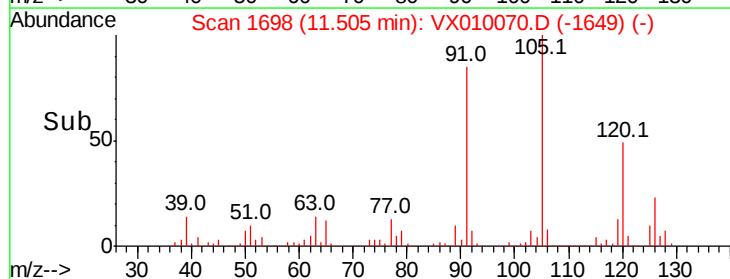
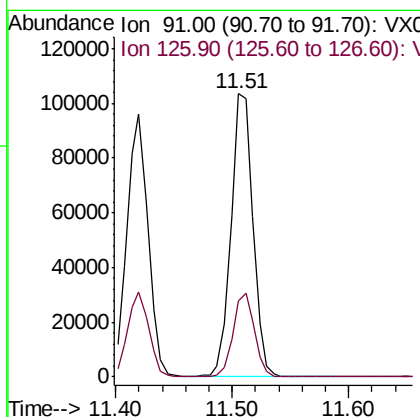
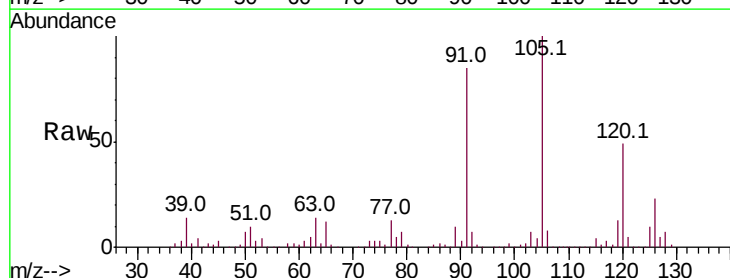
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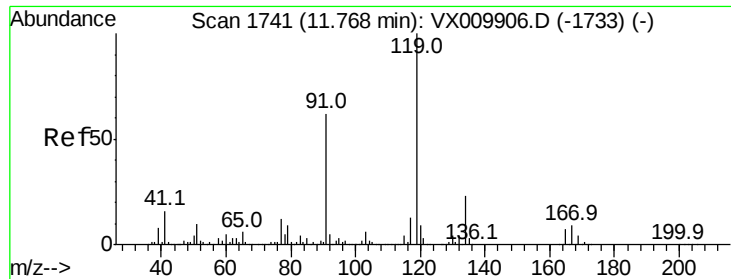
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#82
4-Chlorotoluene
Concen: 19.678 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6





#83

tert-Butylbenzene

Concen: 20.431 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

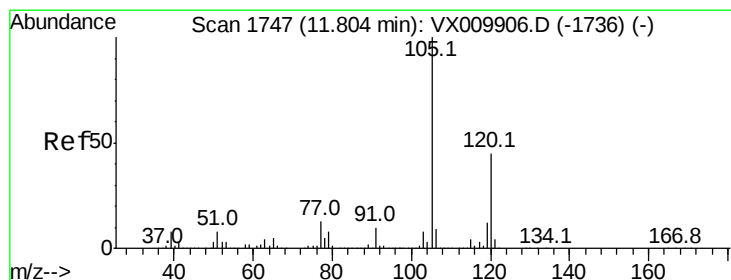
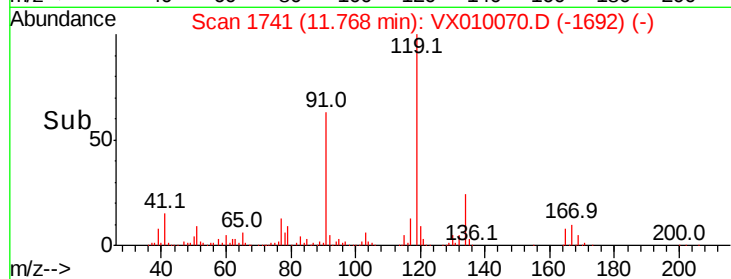
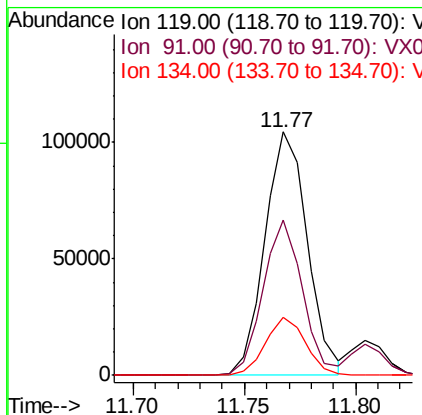
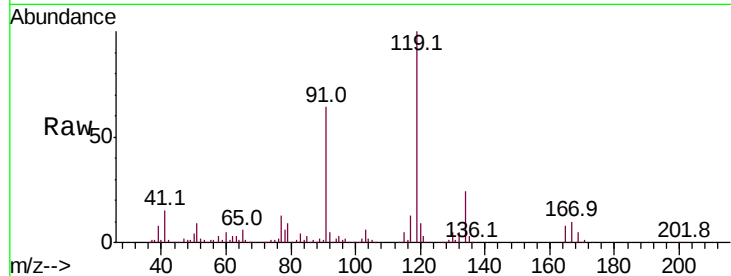
ClientSampled :

VX0605WBS01

Tot Ion:	119	Resp:	138642
Ion Ratio	Lower	Upper	
119	100		
91	59.2	30.0	90.0
134	22.7	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.543 ug/l

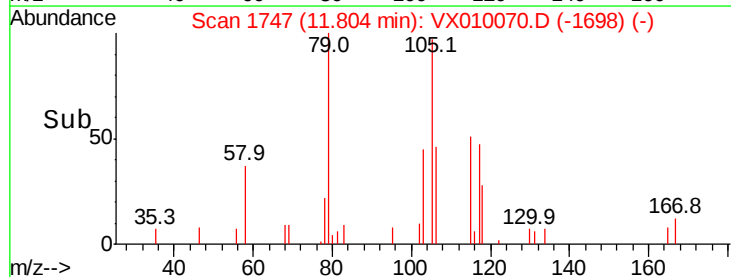
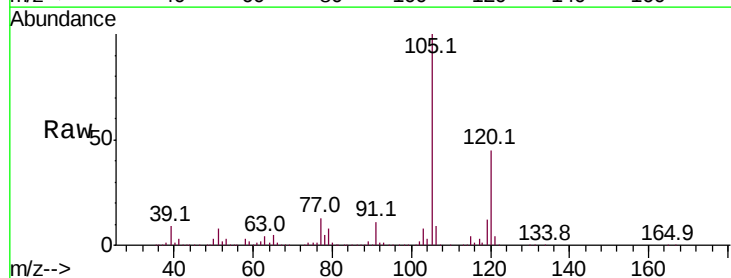
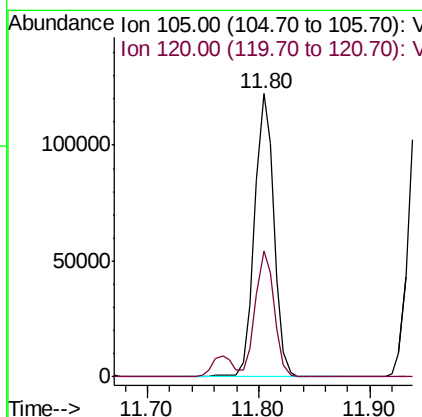
RT: 11.80 min Scan# 1747

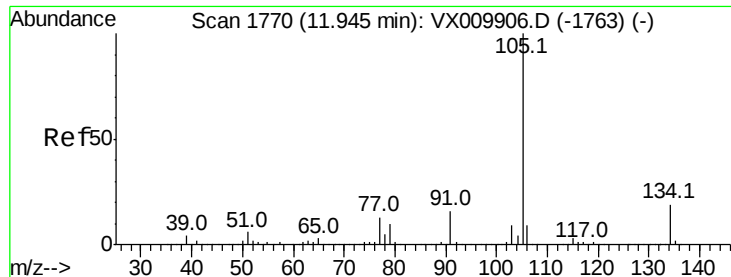
Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion:	105	Resp:	147976
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.1	66.1





#85

sec-Butylbenzene

Concen: 20.584 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:105 Resp: 166167

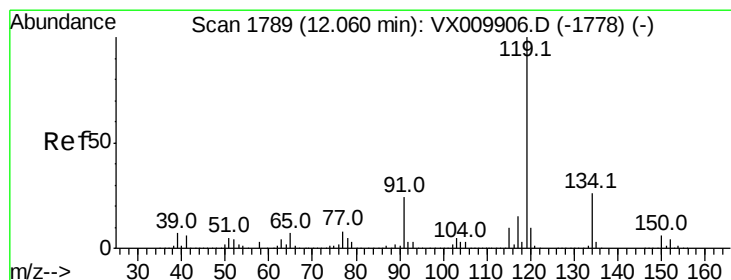
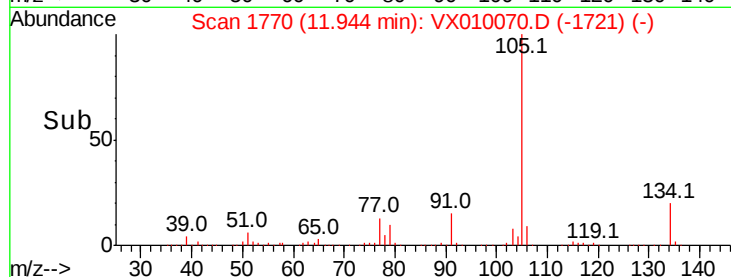
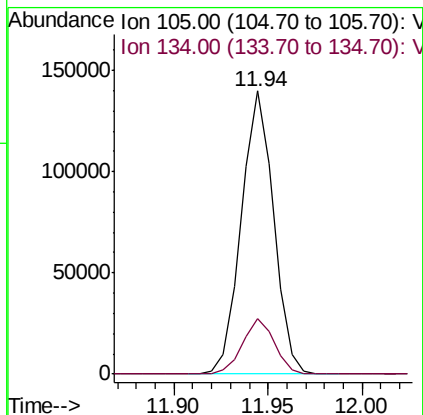
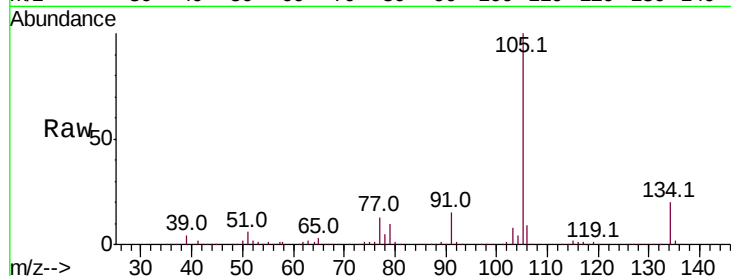
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 20.991 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

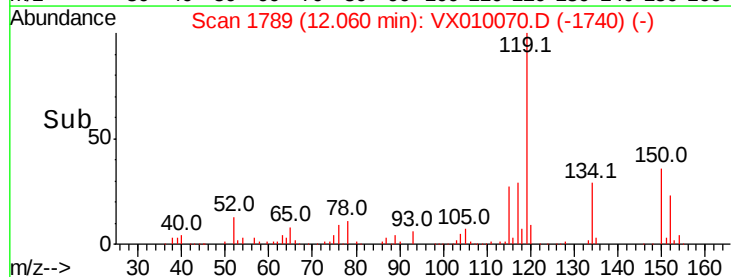
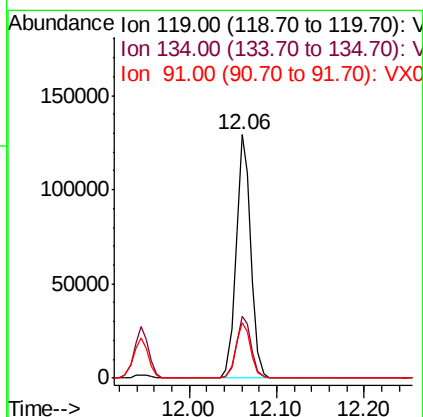
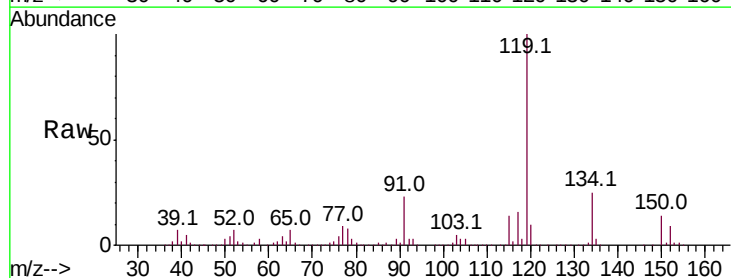
Tgt Ion:119 Resp: 152420

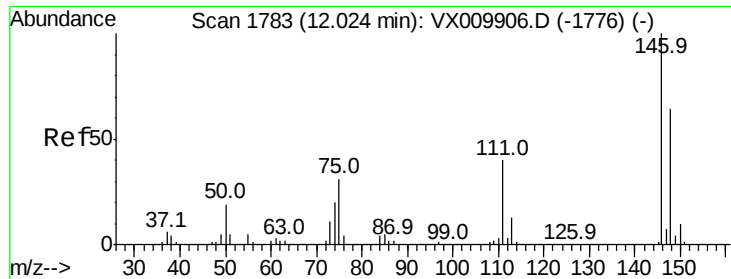
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.2 11.9 35.9





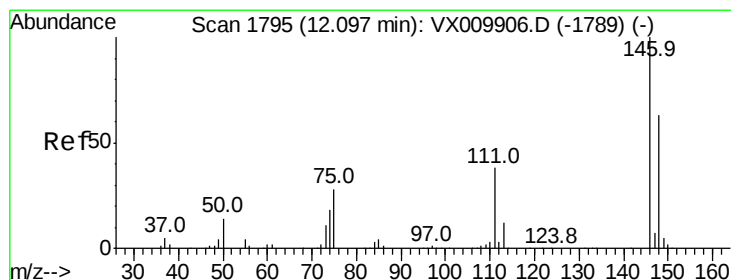
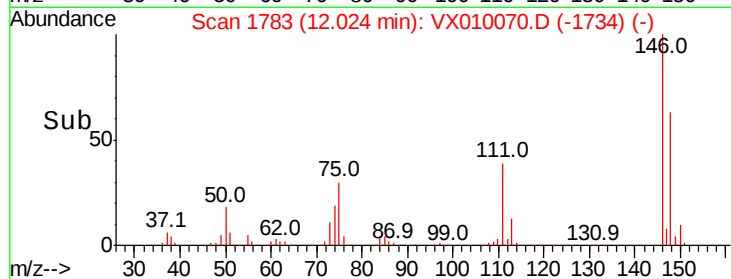
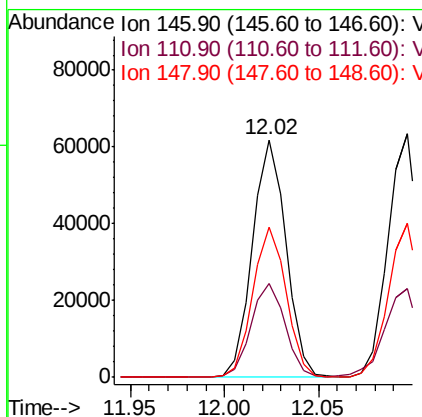
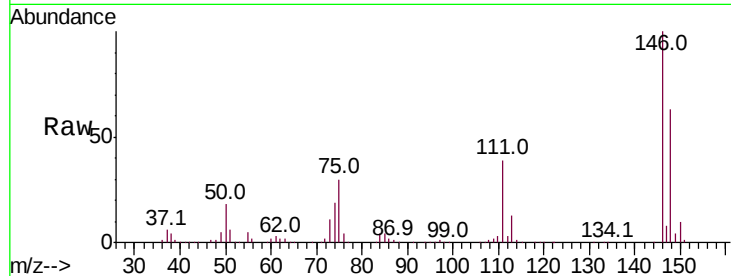
#87
 1,3-Dichlorobenzene
 Concen: 20.058 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0605WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	62.8	31.9	95.5

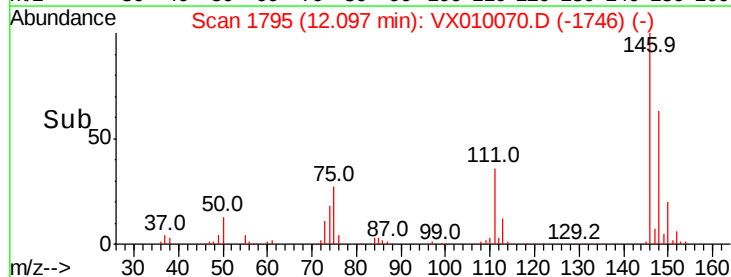
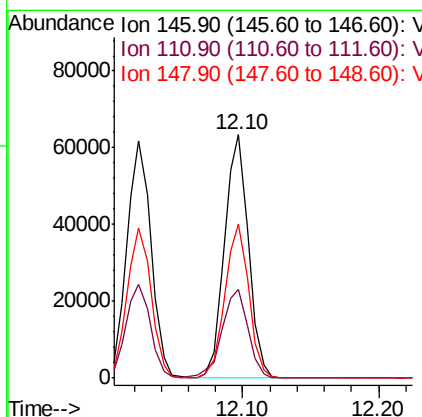
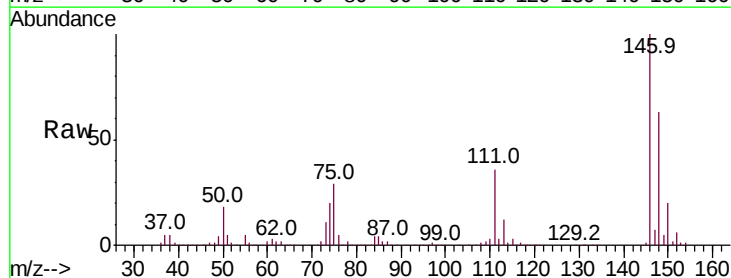
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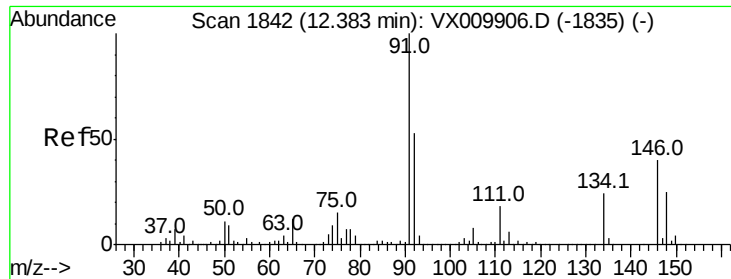
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#88
 1,4-Dichlorobenzene
 Concen: 19.817 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.3	32.3	96.9





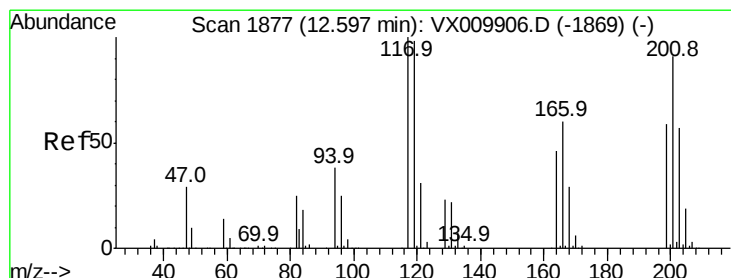
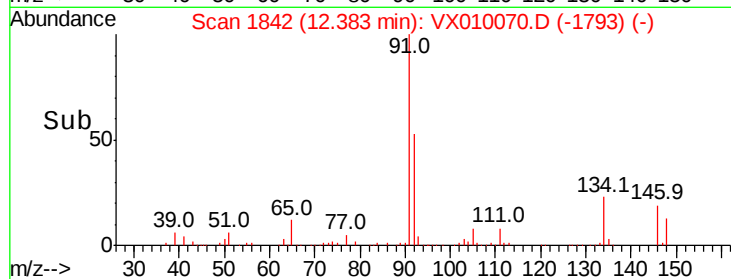
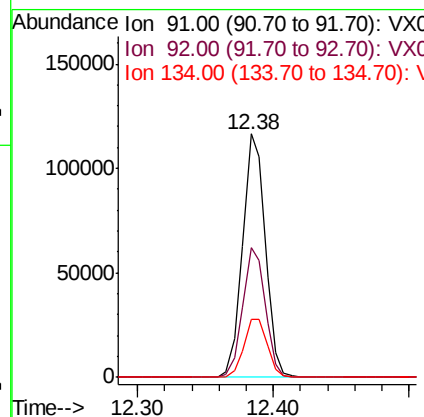
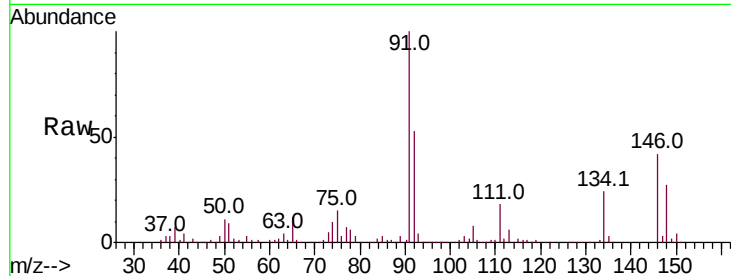
#89
n-Butylbenzene
Concen: 19.833 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.8
134	24.8	12.3	36.8

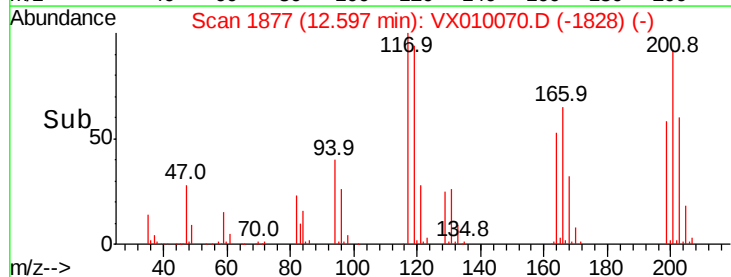
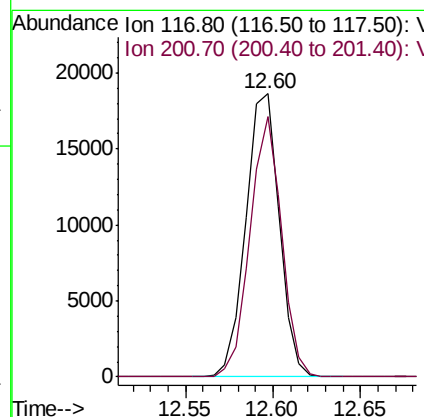
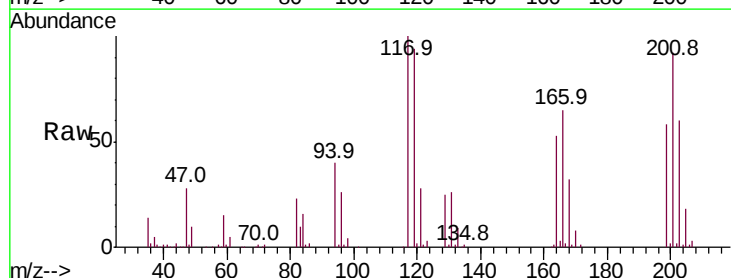
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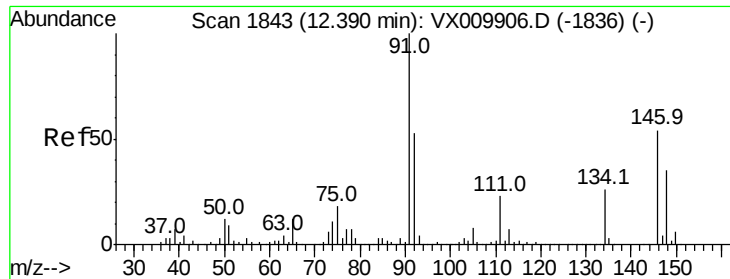
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#90
Hexachloroethane
Concen: 19.989 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	43.6	130.9





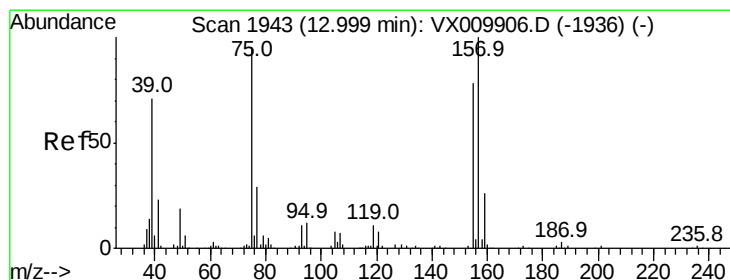
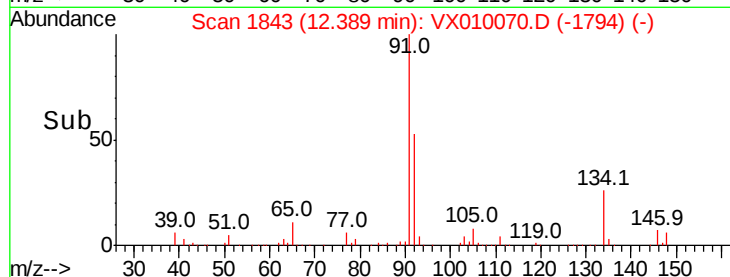
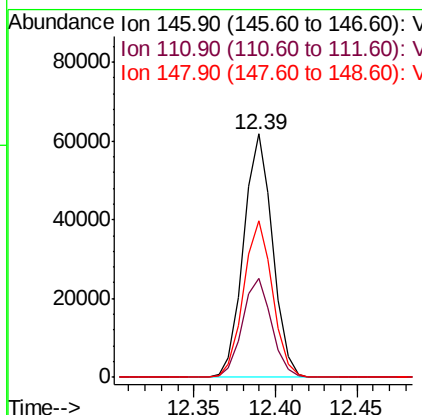
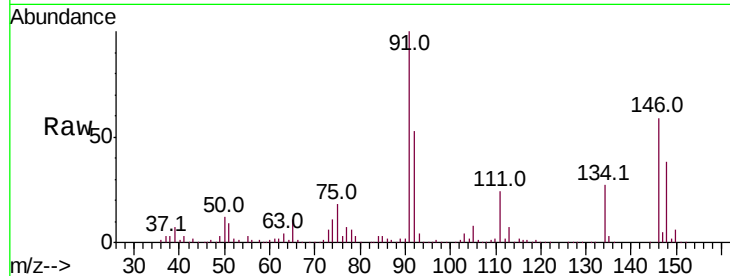
#91
 1,2-Dichlorobenzene
 Concen: 20.361 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	64.3	32.3	96.8

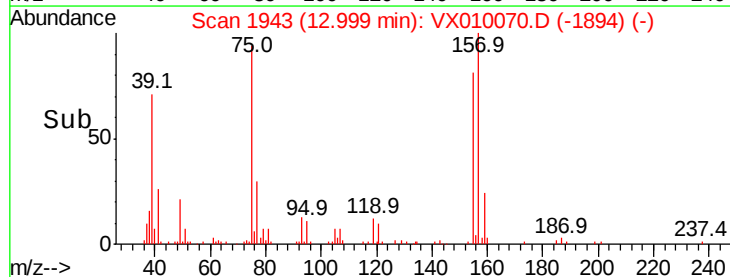
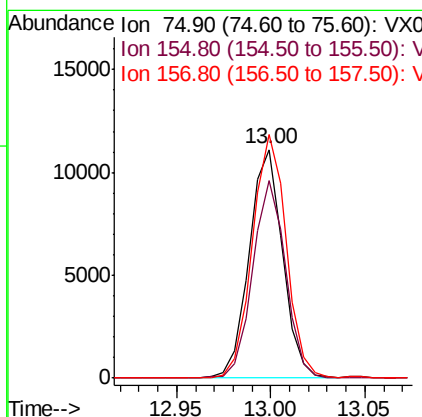
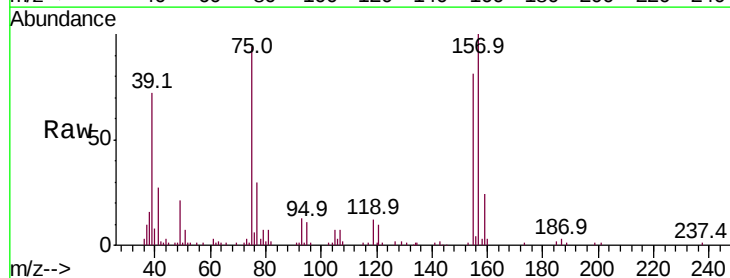
Manual Integrations
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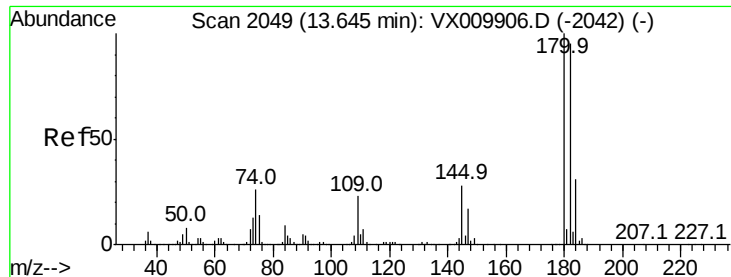
MMDadoda
 6/6/2019 9:32:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.542 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010070.D
 Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	39.3	117.8
157	107.3	50.6	151.8





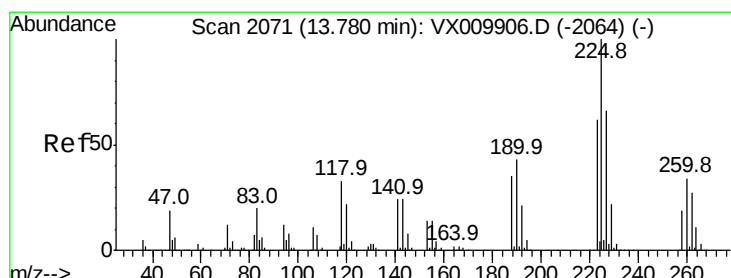
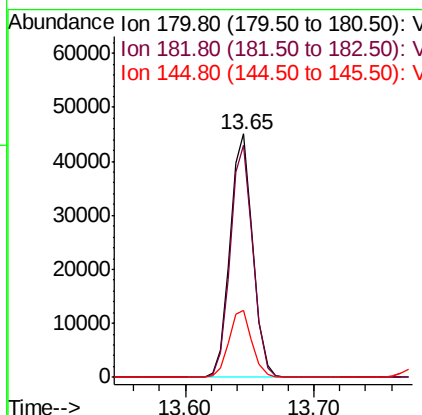
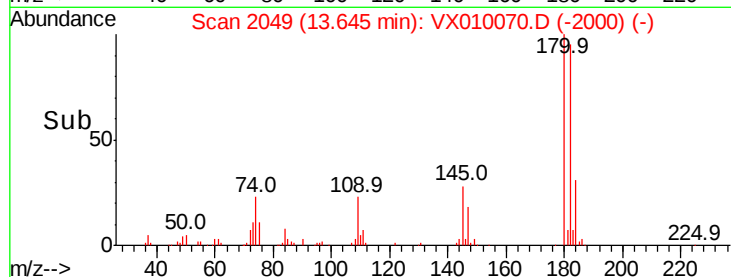
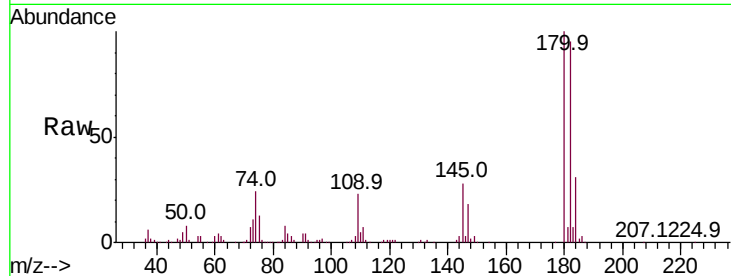
#93
1,2,4-Trichlorobenzene
Concen: 20.727 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55784		
182	94.9	47.4	142.2	
145	27.8	14.5	43.5	

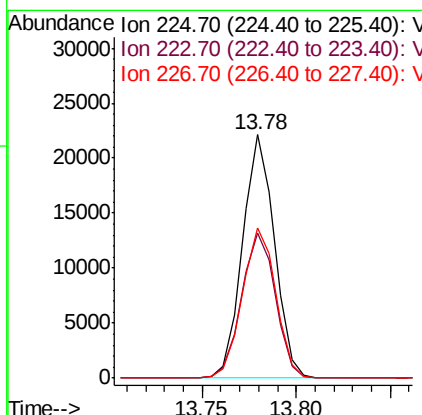
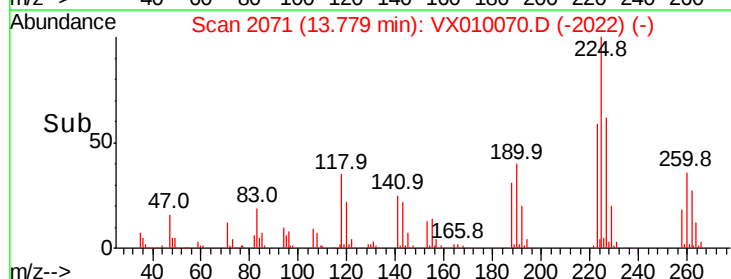
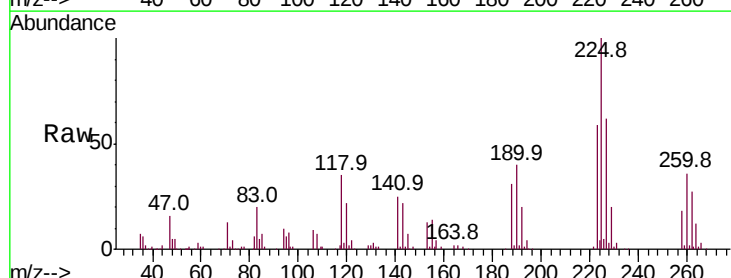
Manual Integrations
APPROVED

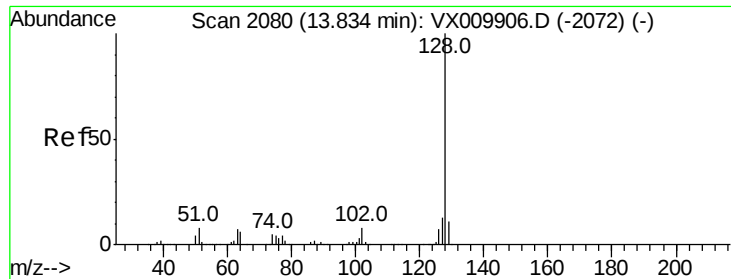
MMDadoda
6/6/2019 9:32:12 AM



#94
Hexachlorobutadiene
Concen: 19.224 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010070.D
Acq: 05 Jun 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25950		
223	63.1	31.3	93.8	
227	64.6	32.3	96.8	





#95

Naphthalene

Concen: 20.598 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Instrument :

MSVOA_X

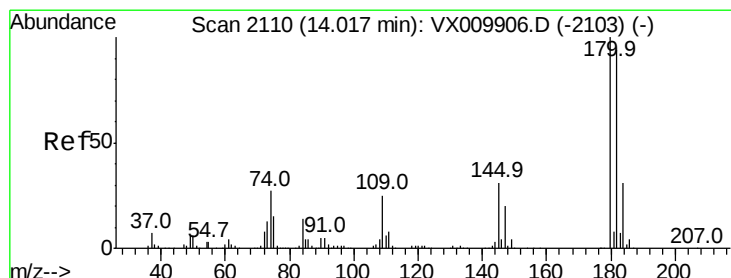
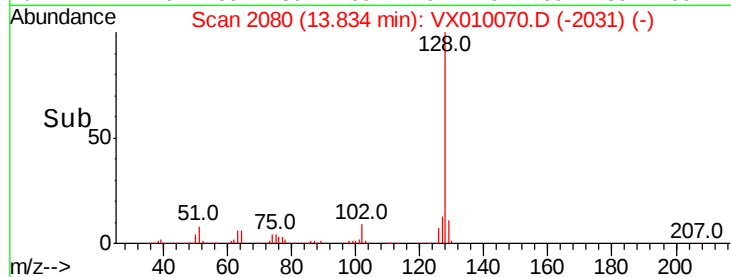
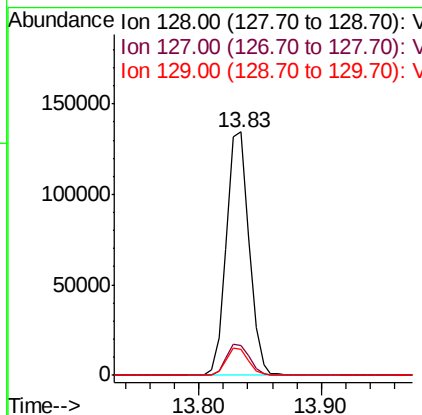
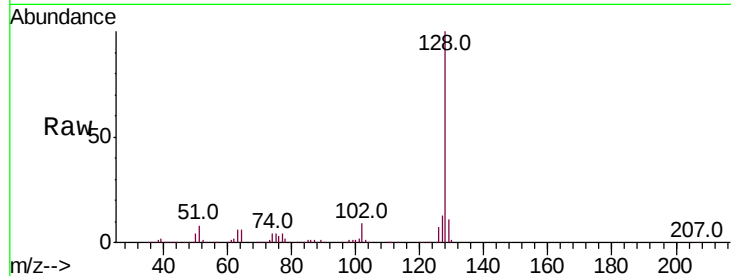
ClientSampleId :

VX0605WBS01

Tot Ion:	128	Resp:	172512
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.333 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010070.D

Acq: 05 Jun 2019 12:34

Tgt Ion:	180	Resp:	54776
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	142.0
145	30.7	15.6	46.7

