

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004698.D
 Acq On : 19 Sep 2018 11:53
 Operator : JC/MD
 Sample : VX0919WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:35 PM

Quant Time: Sep 19 16:59:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	141233	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
35) Dibromofluoromethane	5.49	113	127650	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
50) Toluene-d8	8.71	98	453100	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.14	95	167310	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46498	19.24	ug/l	90
3) Chloromethane	1.32	50	58195	17.49	ug/l	100
4) Vinyl Chloride	1.40	62	63070	18.47	ug/l	97
5) Bromomethane	1.64	94	32968	22.41	ug/l	88
6) Chloroethane	1.72	64	39678	17.97	ug/l	100
7) Trichlorofluoromethane	1.93	101	82256	18.17	ug/l	95
8) Diethyl Ether	2.18	74	38504	18.98	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53571	18.66	ug/l	97
10) Methyl Iodide	2.51	142	50206	17.64	ug/l	95
11) Tert butyl alcohol	3.06	59	72770	91.71	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50491	18.74	ug/l	98
13) Acrolein	2.29	56	18719	59.76	ug/l	93
14) Allyl chloride	2.73	41	98238	17.73	ug/l	97
15) Acrylonitrile	3.15	53	171348	89.67	ug/l	99
16) Acetone	2.44	43	137284	84.58	ug/l	97
17) Carbon Disulfide	2.57	76	139528	17.91	ug/l	98
18) Methyl Acetate	2.78	43	86560	19.01	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	183228	19.38	ug/l	96
20) Methylene Chloride	2.85	84	60341	18.12	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	57086	19.17	ug/l	84
22) Diisopropyl ether	3.86	45	188105	18.85	ug/l	# 88
23) Vinyl Acetate	3.81	43	751737	93.09	ug/l	98
24) 1,1-Dichloroethane	3.69	63	112024	19.88	ug/l	98
25) 2-Butanone	4.70	43	215790	83.54	ug/l	97
26) 2,2-Dichloropropane	4.58	77	81717	21.12	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	65438	19.69	ug/l	97
28) Bromochloromethane	5.01	49	43530	16.89	ug/l	95
29) Tetrahydrofuran	5.15	42	139156	89.33	ug/l	98
30) Chloroform	5.22	83	101800	18.51	ug/l	92
31) Cyclohexane	5.57	56	94271	19.60	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	87716	19.80	ug/l	99
36) 1,1-Dichloropropene	5.79	75	79442	20.41	ug/l	100
37) Ethyl Acetate	4.85	43	78622	17.76	ug/l	99
38) Carbon Tetrachloride	5.79	117	75346	19.81	ug/l	100

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Quant Time: Sep 19 16:59:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84312	20.75	ug/l	97
40) Benzene	6.14	78	235595	20.40	ug/l	99
41) Methacrylonitrile	5.06	41	46084	18.89	ug/l	99
42) 1,2-Dichloroethane	6.19	62	76578	19.99	ug/l	100
43) Isopropyl Acetate	6.45	43	118167	20.09	ug/l	99
44) Trichloroethene	7.21	130	63776	21.25	ug/l	98
45) 1,2-Dichloropropane	7.51	63	56955	20.49	ug/l	97
46) Dibromomethane	7.66	93	36040	20.52	ug/l	96
47) Bromodichloromethane	7.90	83	66703	20.09	ug/l	99
48) Methyl methacrylate	7.77	41	56950	19.57	ug/l	97
49) 1,4-Dioxane	7.75	88	29181	423.60	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	375360	90.44	ug/l	98
52) Toluene	8.79	92	137456	20.20	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	74526	19.21	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	84803	21.45	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	55691	19.00	ug/l	96
56) Ethyl methacrylate	9.18	69	78328	18.89	ug/l	97
57) 1,3-Dichloropropane	9.37	76	92292	19.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	186286	92.90	ug/l	97
59) 2-Hexanone	9.49	43	286148	89.89	ug/l	98
60) Dibromochloromethane	9.59	129	54760	19.85	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57103	20.40	ug/l	99
64) Tetrachloroethene	9.34	164	79407	20.97	ug/l	99
65) Chlorobenzene	10.14	112	156630	20.79	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	54583	21.01	ug/l	99
67) Ethyl Benzene	10.25	91	257792	21.04	ug/l	97
68) m/p-Xylenes	10.36	106	202266	42.86	ug/l	98
69) o-Xylene	10.70	106	96901	21.36	ug/l	100
70) Styrene	10.71	104	162903	21.67	ug/l	99
71) Bromoform	10.86	173	42781	20.05	ug/l #	98
73) Isopropylbenzene	11.02	105	267338	21.62	ug/l	100
74) N-amyl acetate	10.90	43	99783	19.18	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	74061	18.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	75229m	19.92	ug/l	
77) Bromobenzene	11.26	156	71391	20.89	ug/l	99
78) n-propylbenzene	11.36	91	306562	21.57	ug/l	100
79) 2-Chlorotoluene	11.42	91	180481	20.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	225651	21.71	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	23482	19.82	ug/l	98
82) 4-Chlorotoluene	11.51	91	211582	21.03	ug/l	98
83) tert-Butylbenzene	11.77	119	210985	21.32	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	230638	21.74	ug/l	99
85) sec-Butylbenzene	11.94	105	274545	21.77	ug/l	100
86) p-Isopropyltoluene	12.07	119	248035	22.28	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	134447	21.09	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	136441	20.71	ug/l	99
89) n-Butylbenzene	12.39	91	211227	20.82	ug/l	98
90) Hexachloroethane	12.60	117	36232	20.33	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	133804	20.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16474	19.35	ug/l	95

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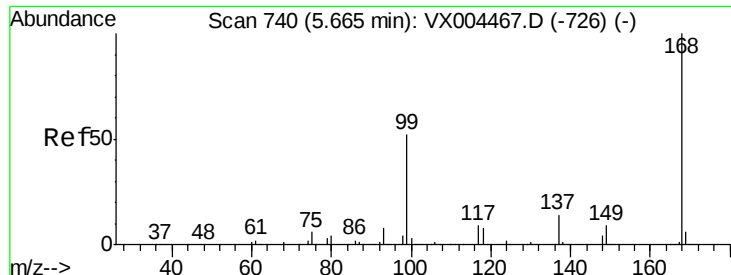
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99037	21.67	ug/l	100
94) Hexachlorobutadiene	13.79	225	52915	22.17	ug/l	98
95) Naphthalene	13.83	128	274792	21.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102160	21.76	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion:168 Resp: 257912

Ion Ratio Lower Upper

168 100

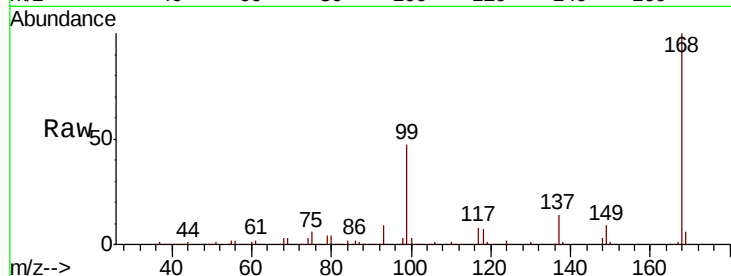
99 46.8 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

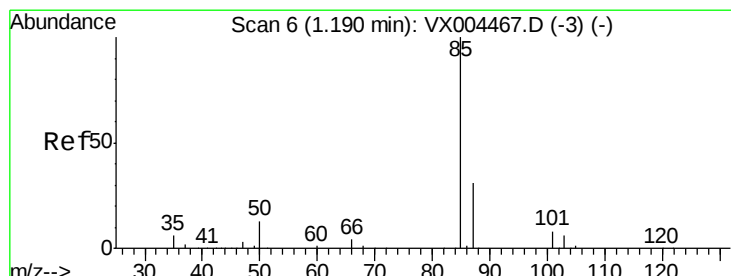
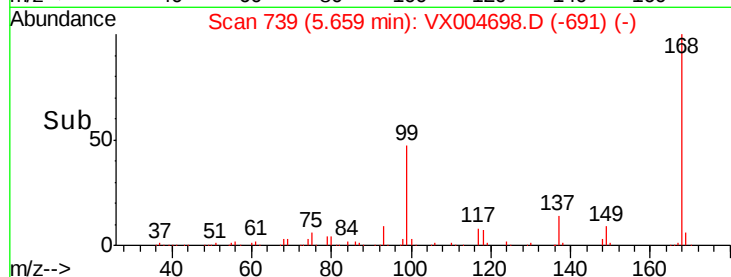
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.24 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004698.D

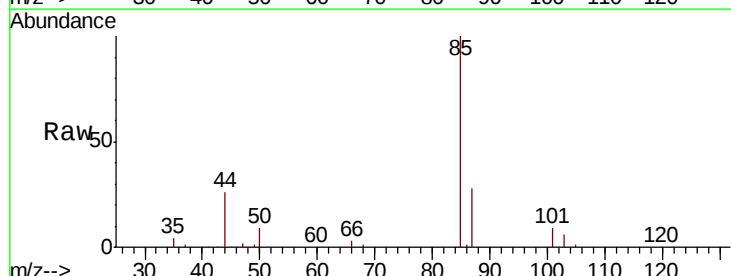
Acq: 19 Sep 2018 11:53

Tgt Ion: 85 Resp: 46498

Ion Ratio Lower Upper

85 100

87 28.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

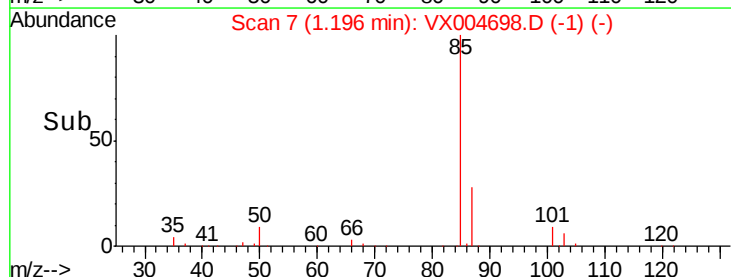
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.49 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 50 Resp: 58195

Ion Ratio Lower Upper

50 100

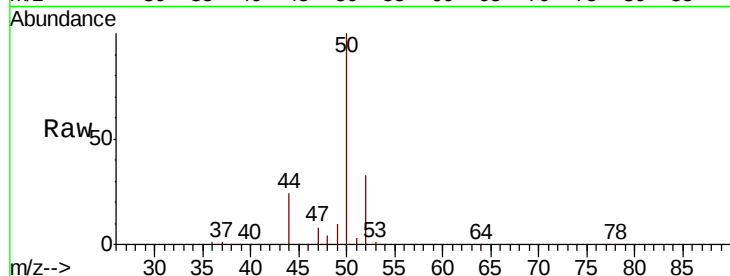
52 32.9 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

60000

50000

40000

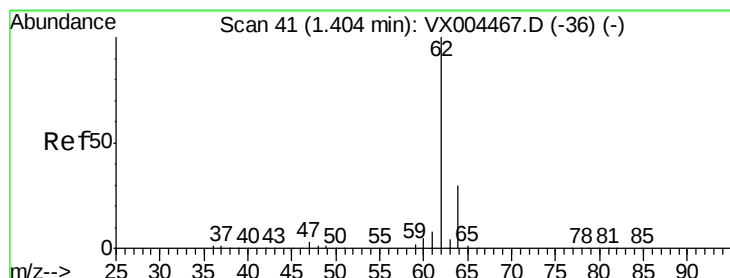
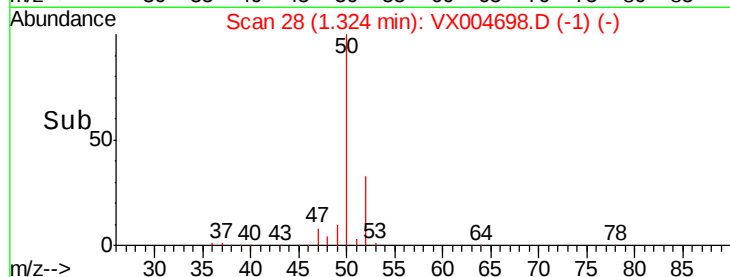
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 18.47 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004698.D

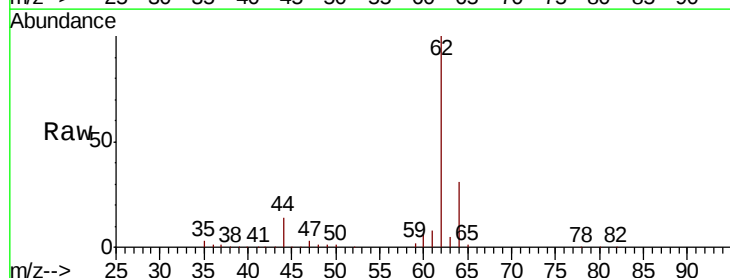
Acq: 19 Sep 2018 11:53

Tgt Ion: 62 Resp: 63070

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

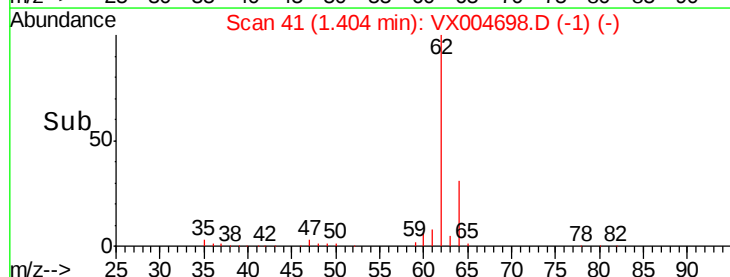
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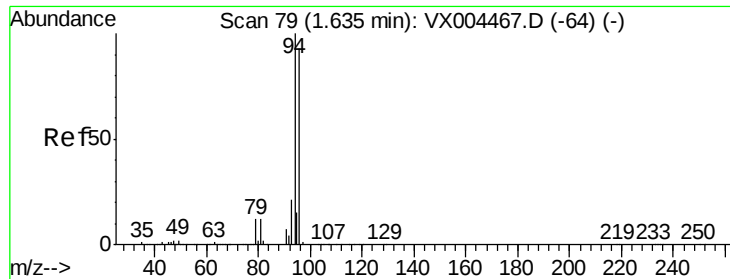
40000

20000

0

Time-->





#5

Bromomethane

Concen: 22.41 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tot Ion: 94 Resp: 32968

Ion Ratio Lower Upper

94 100

96 104.9 74.5 111.7

Instrument :

MSVOA_X

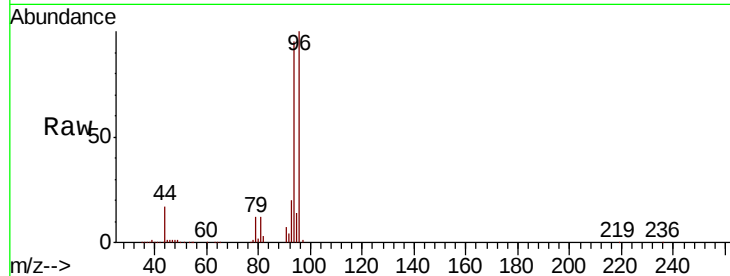
ClientSampleId :

VX0919WBS01

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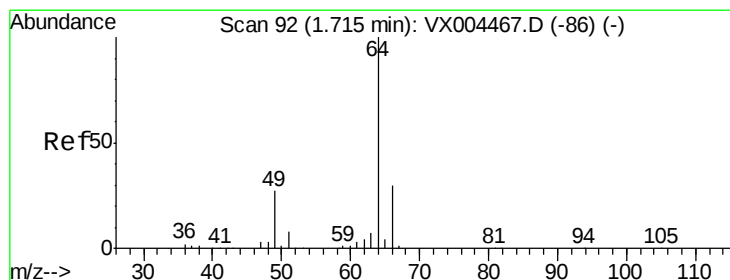
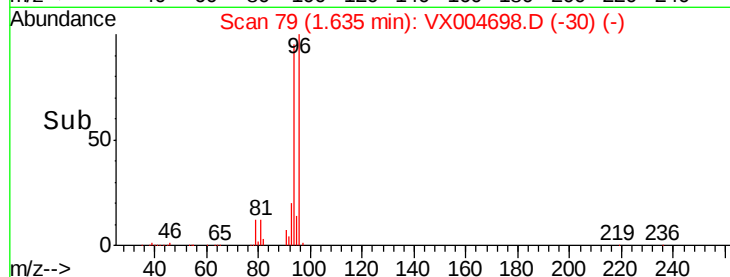
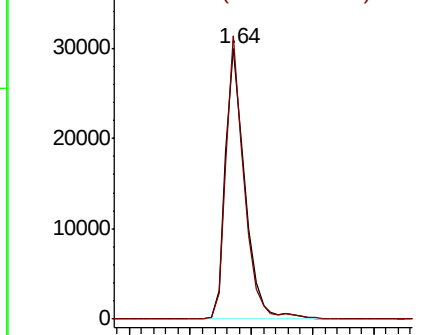
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.97 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004698.D

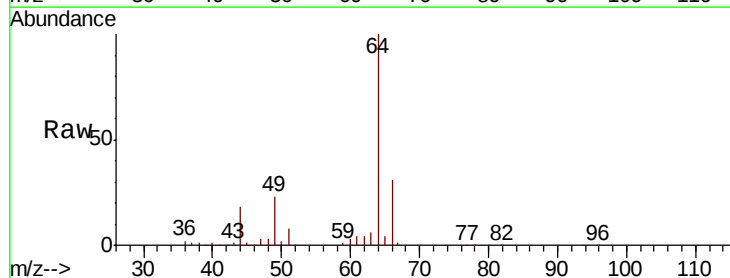
Acq: 19 Sep 2018 11:53

Tgt Ion: 64 Resp: 39678

Ion Ratio Lower Upper

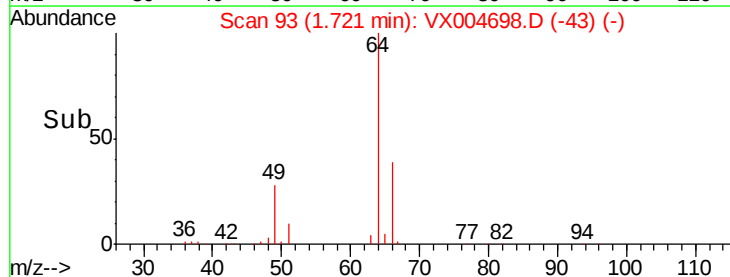
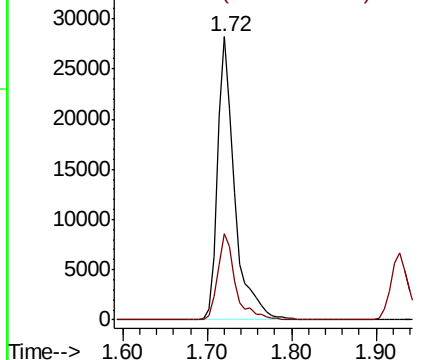
64 100

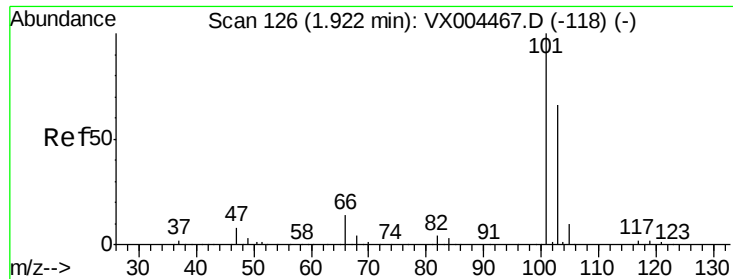
66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

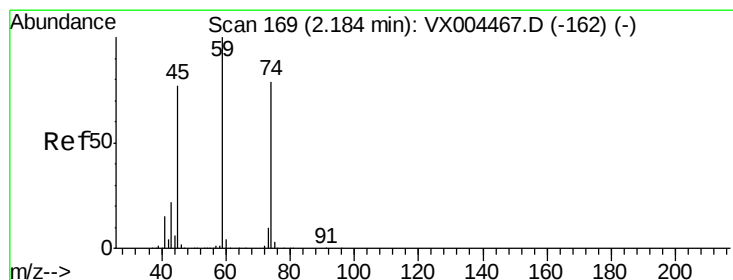
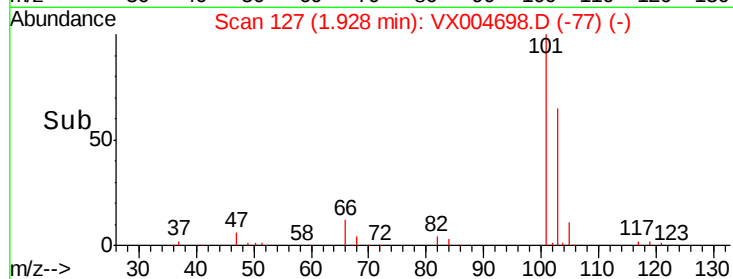
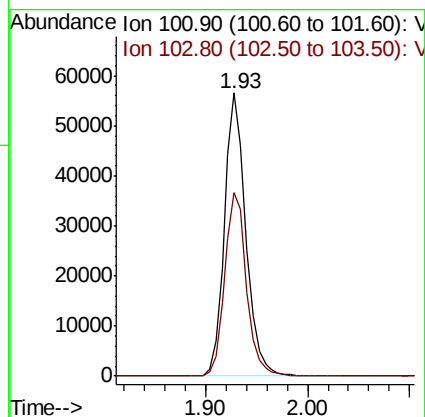
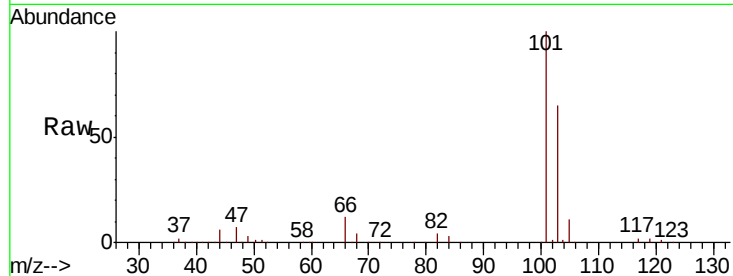
Trichlorofluoromethane
 Concen: 18.17 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion:101 Resp: 82256
 Ion Ratio Lower Upper
 101 100
 103 64.8 48.9 73.3

Manual Integrations
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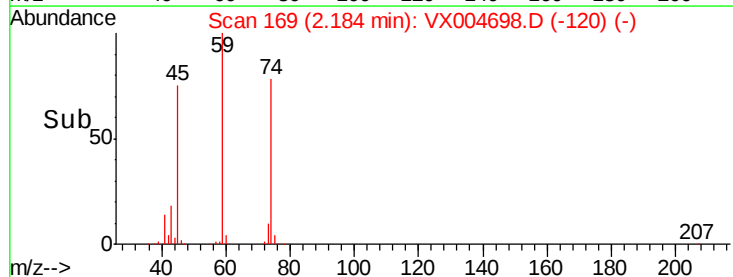
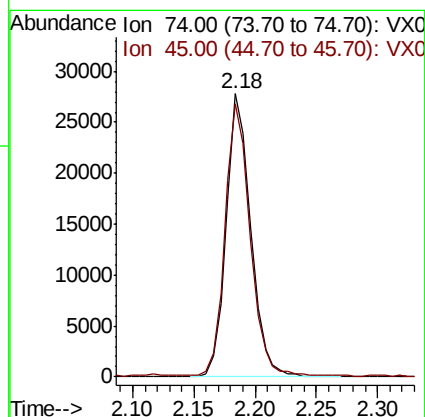
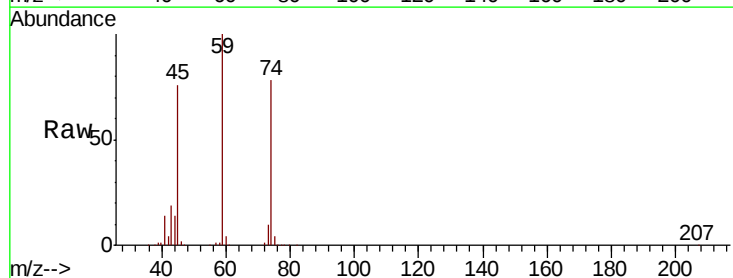
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#8

Diethyl Ether
 Concen: 18.98 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion: 74 Resp: 38504
 Ion Ratio Lower Upper
 74 100
 45 97.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.66 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

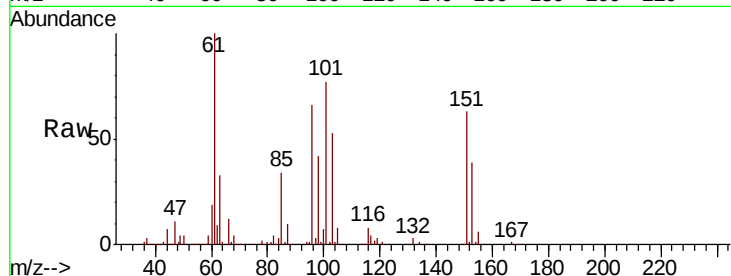
ClientSampleId :

VX0919WBS01

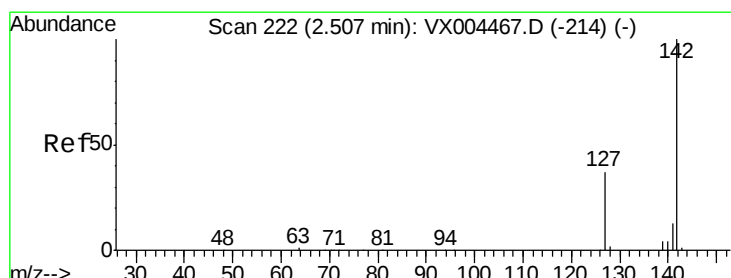
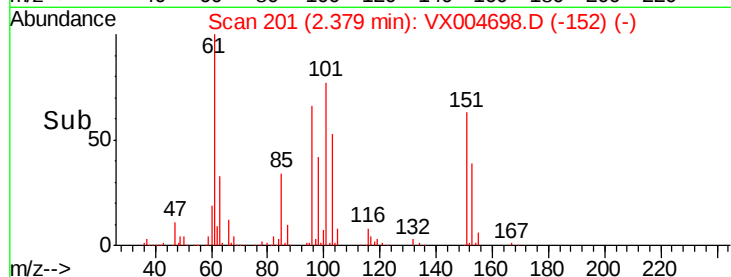
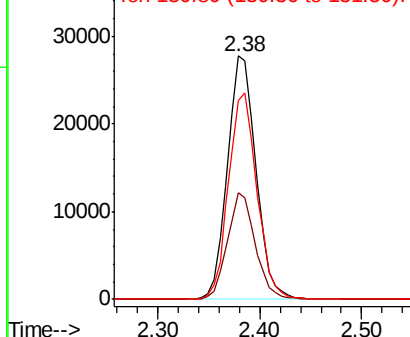
Tot Ion:	101	Resp:	53571
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	84.6	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.64 ug/l

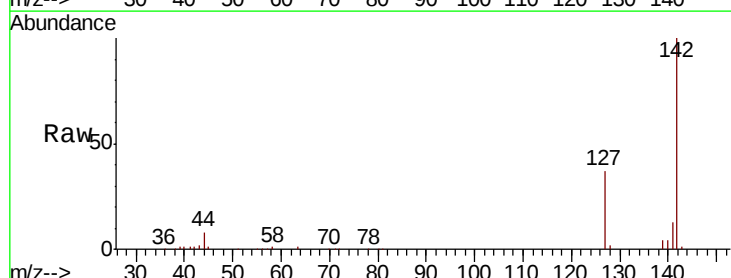
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

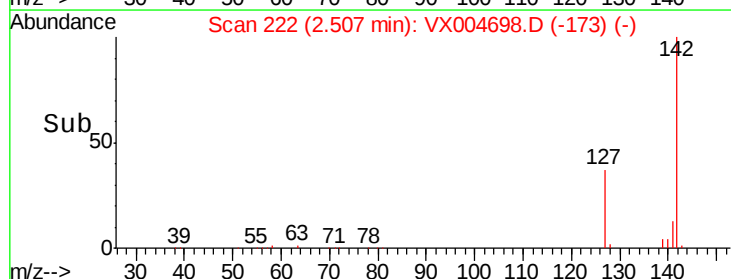
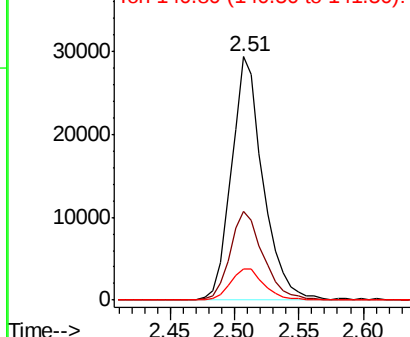
Lab File: VX004698.D

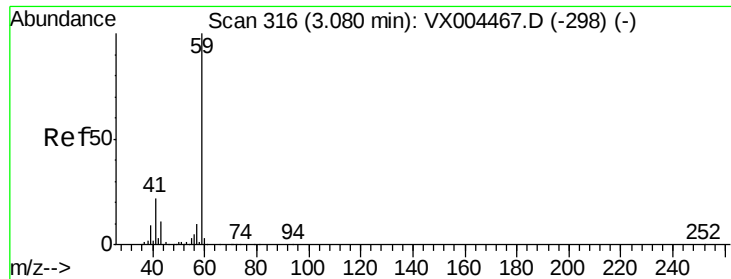
Acq: 19 Sep 2018 11:53

Tgt Ion:	142	Resp:	50206
Ion Ratio	Lower	Upper	
142	100		
127	38.2	33.8	50.6
141	13.7	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

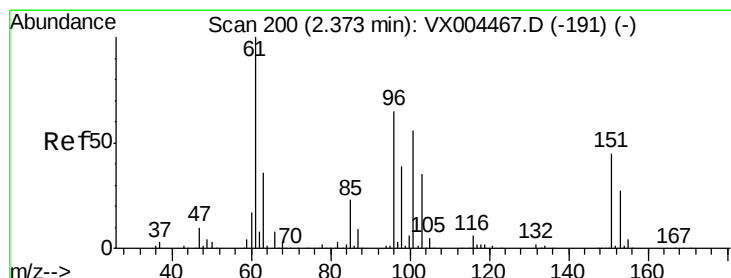
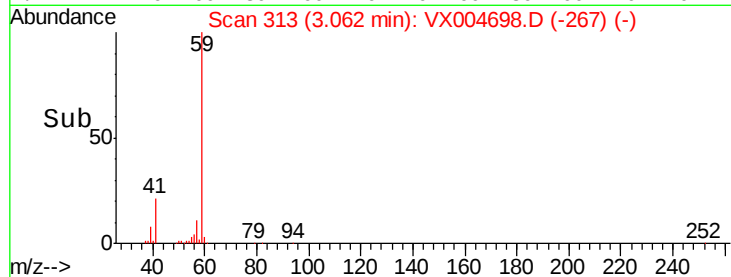
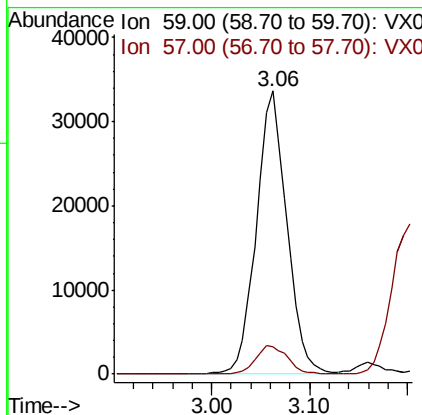
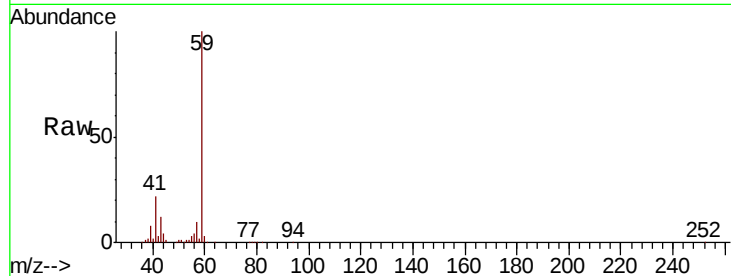
Tert butyl alcohol
 Concen: 91.71 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	59	Resp	72770
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.4

Manual Integrations
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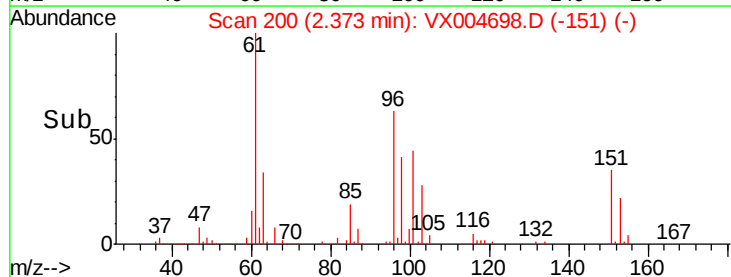
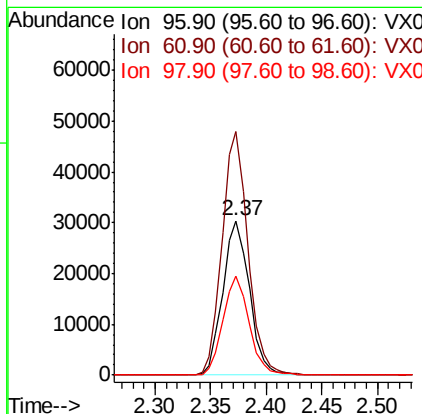
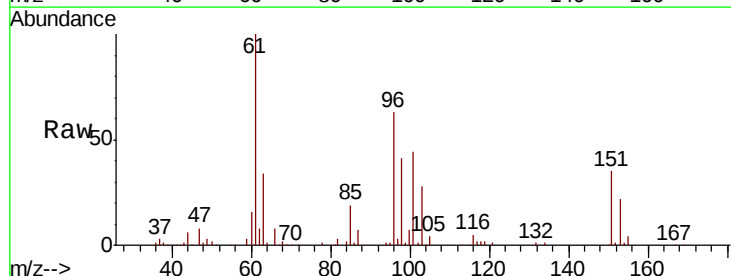
MMDadoda
 9/20/2018 1:42:35 PM

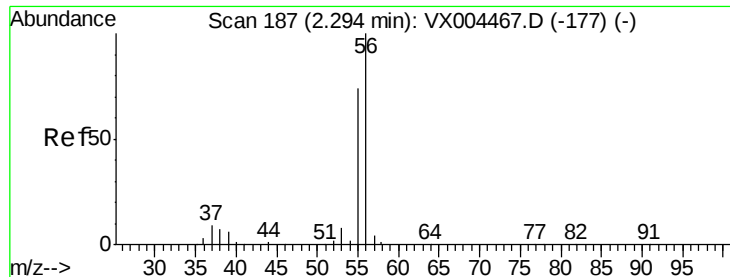


#12

1,1-Dichloroethene
 Concen: 18.74 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	96	Resp	50491
Ion Ratio	100	Lower	Upper
61	157.9	128.8	193.2
98	64.4	52.2	78.2





#13

Acrolein

Concen: 59.76 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

VX0919WBS01

Tot Ion: 56 Resp: 18719

Ion Ratio Lower Upper

56 100

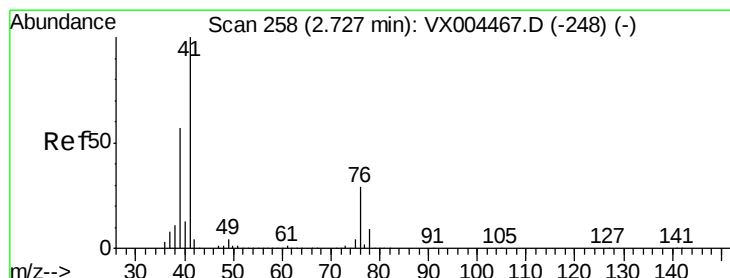
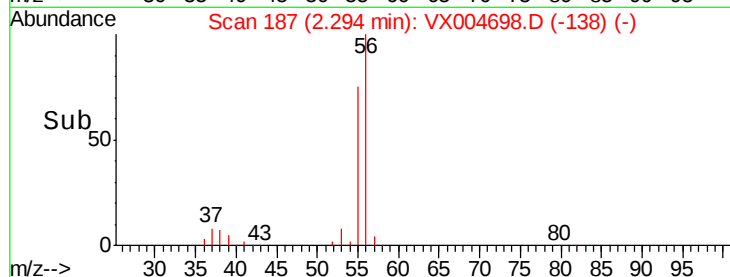
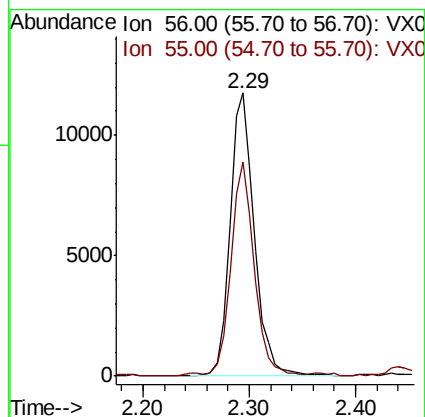
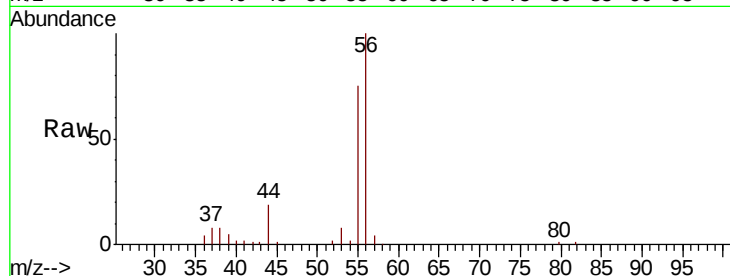
55 73.8 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.73 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

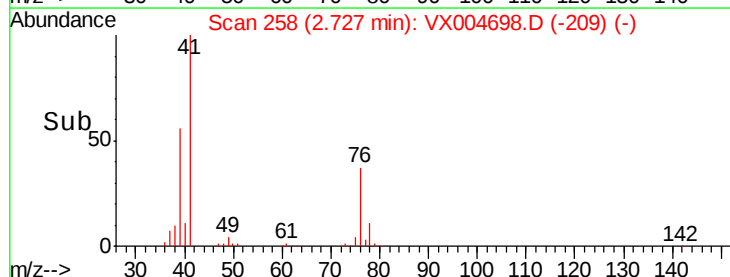
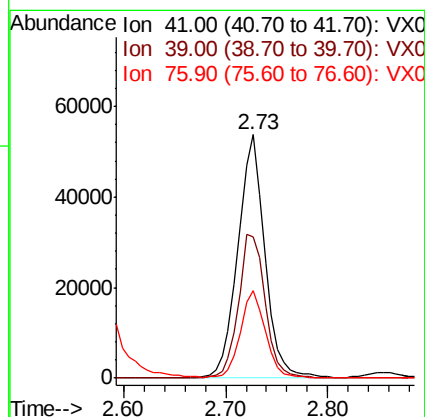
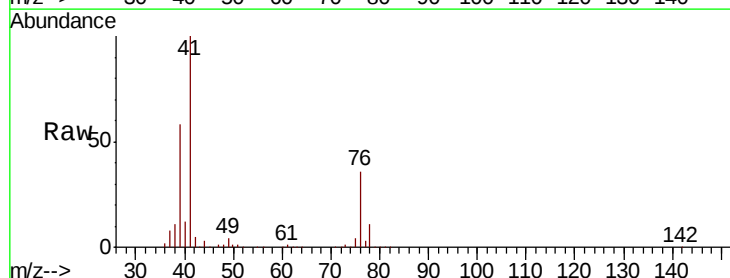
Tgt Ion: 41 Resp: 98238

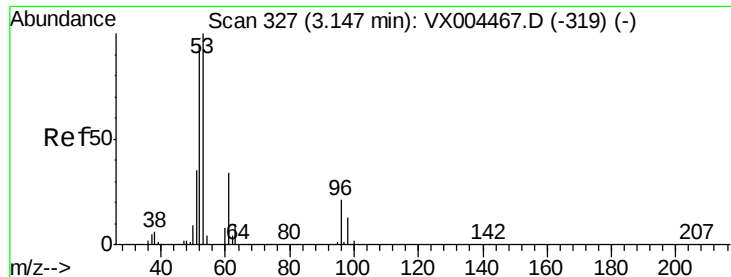
Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 89.67 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

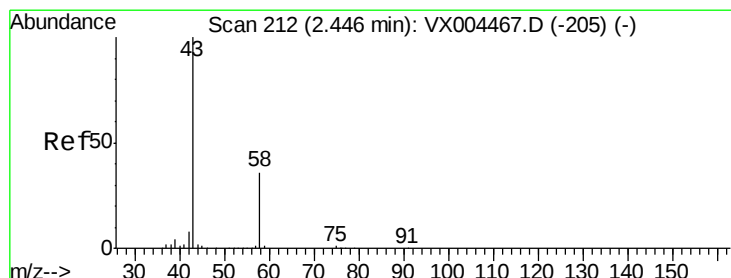
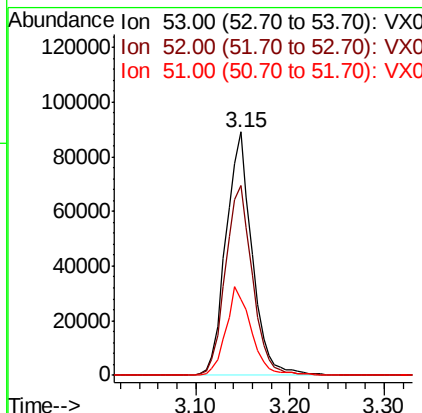
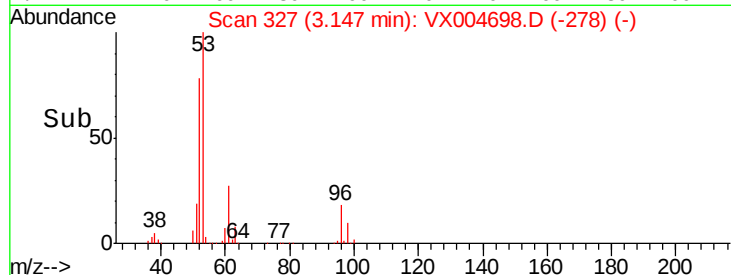
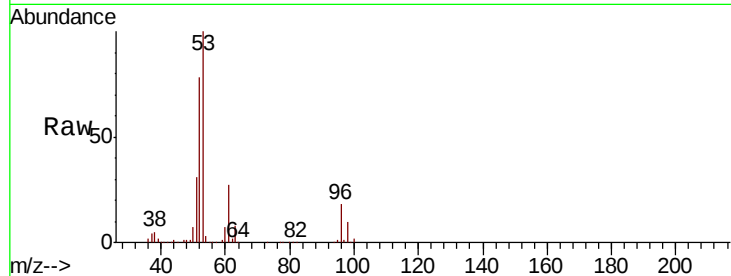
ClientSampleId :

VX0919WBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.0	65.2	97.8	
51	35.5	28.2	42.2	

Manual Integrations
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#16

Acetone

Concen: 84.58 ug/l

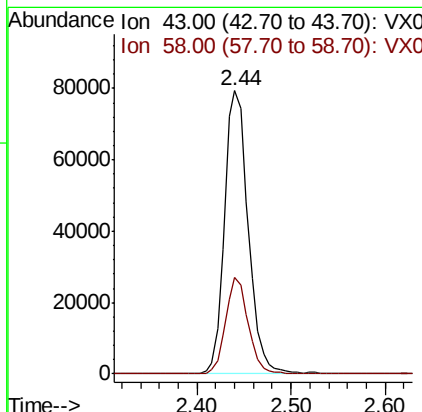
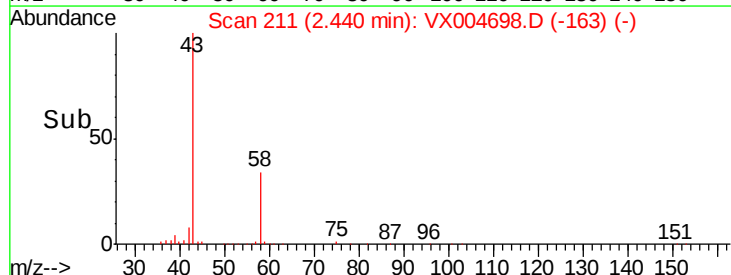
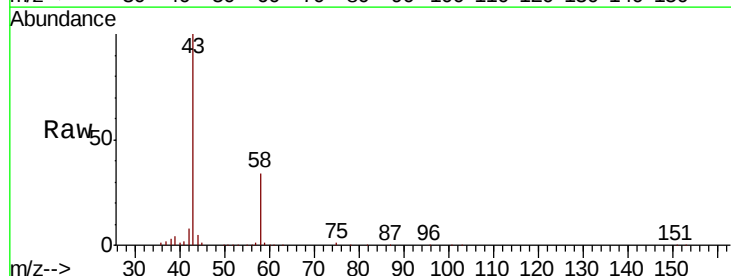
RT: 2.44 min Scan# 211

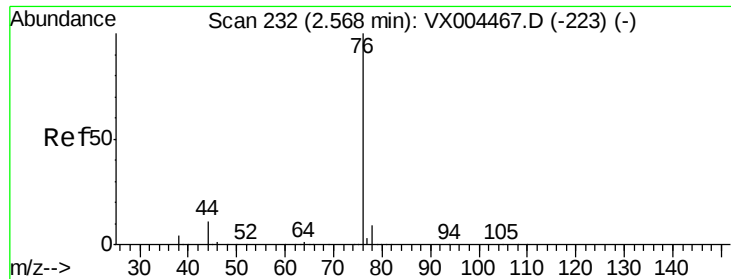
Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	34.3	26.2	39.4	





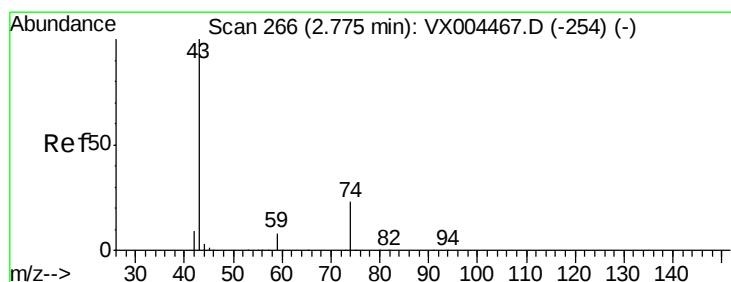
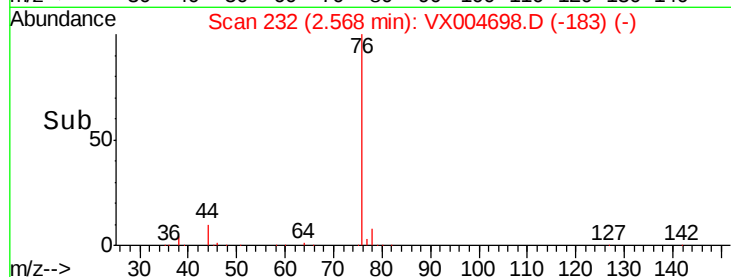
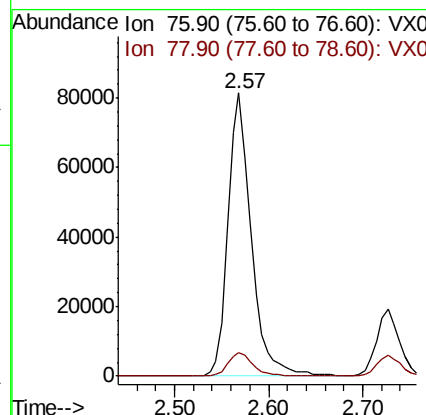
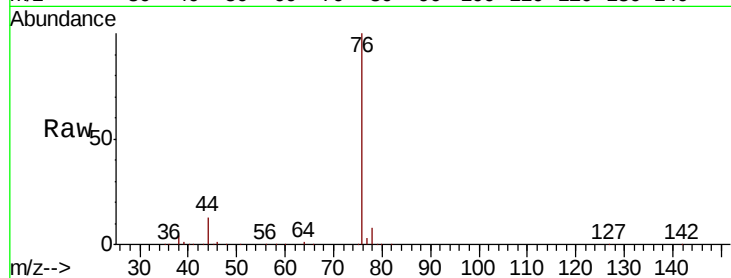
#17
Carbon Disulfide
Concen: 17.91 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6

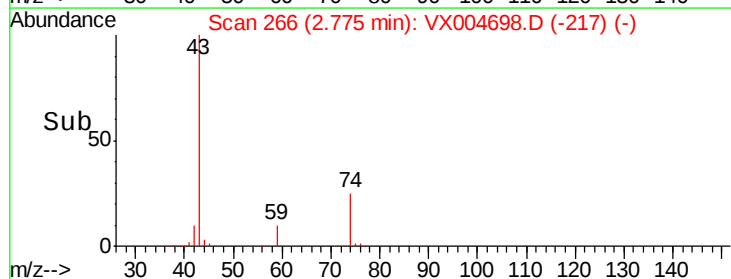
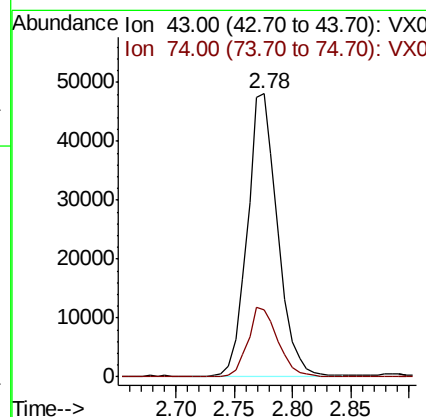
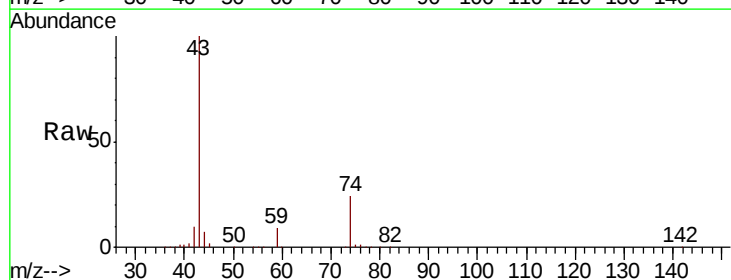
Manual Integrations
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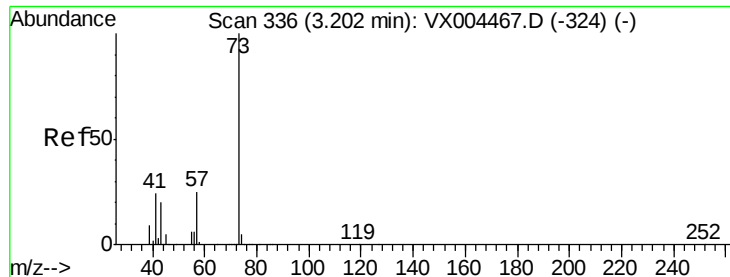
MMDadoda
9/20/2018 1:42:35 PM



#18
Methyl Acetate
Concen: 19.01 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2





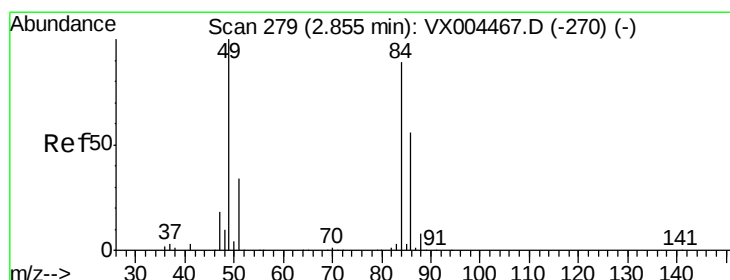
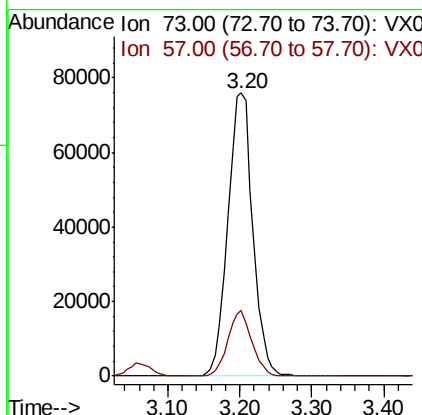
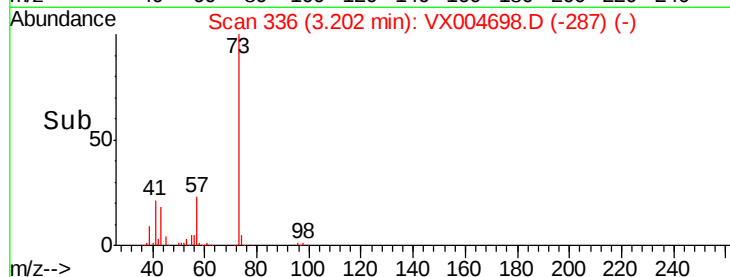
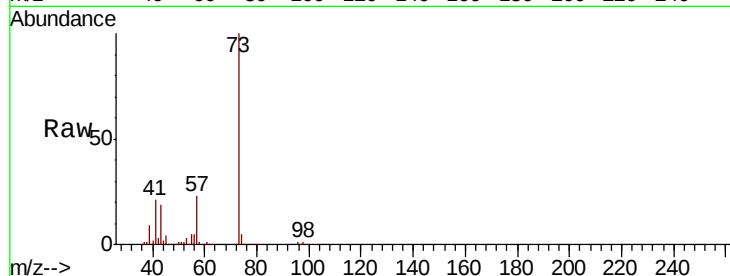
#19
Methvl tert-butvl Ether
Concen: 19.38 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.1	25.7

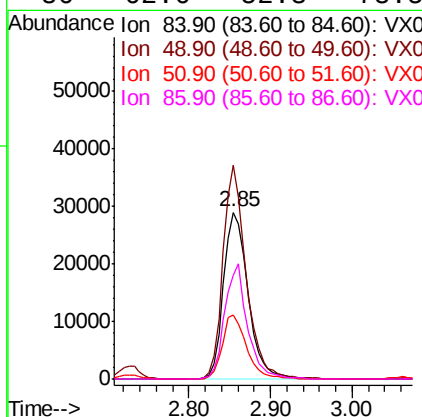
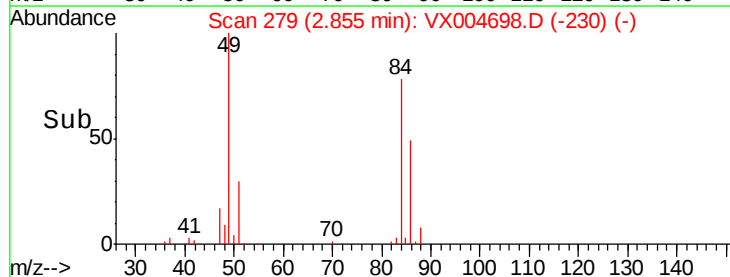
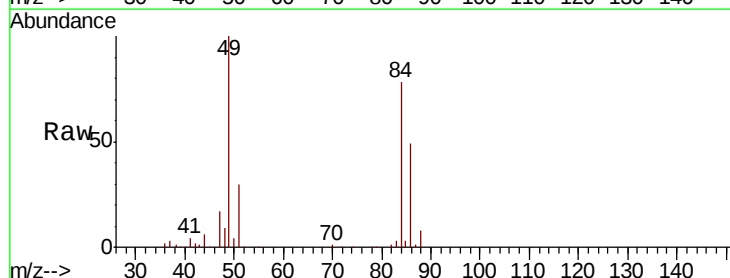
Manual Integrations
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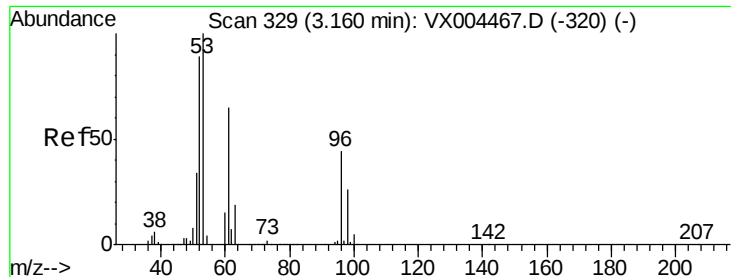
MMDadoda
9/20/2018 1:42:35 PM



#20
Methylene Chloride
Concen: 18.12 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.2	101.2	151.8
51	38.2	29.5	44.3
86	62.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.17 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

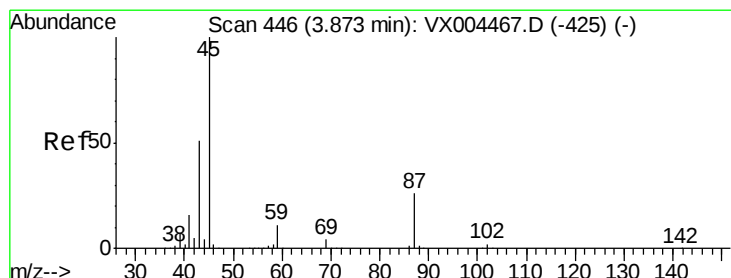
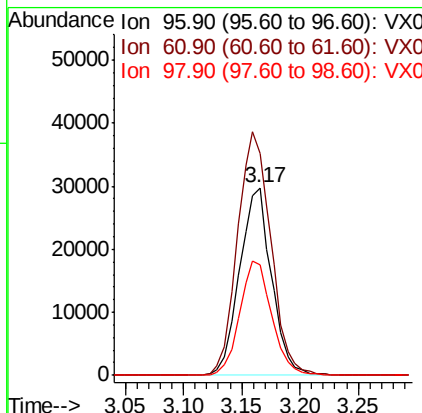
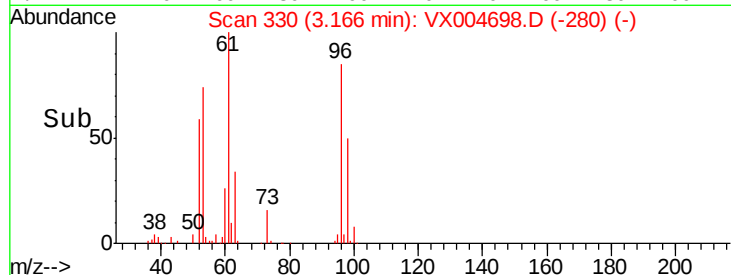
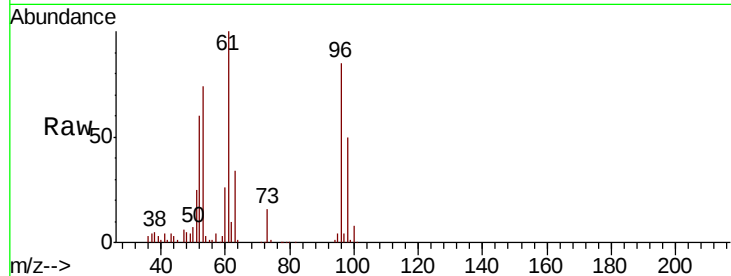
ClientSampleId :

VX0919WBS01

Tot Ion:	96	Resp:	57086
Ion	Ratio	Lower	Upper
96	100		
61	118.3	113.8	170.6
98	58.7	51.8	77.8

Manual Integrations
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9/20/2018 1:42:35 PM



#22

Diisopropyl ether

Concen: 18.85 ug/l

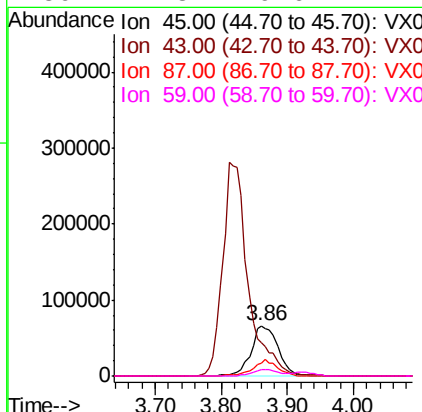
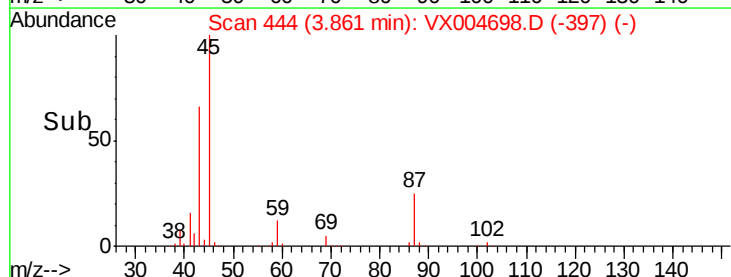
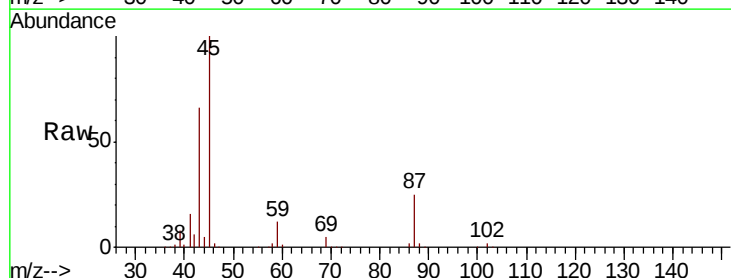
RT: 3.86 min Scan# 444

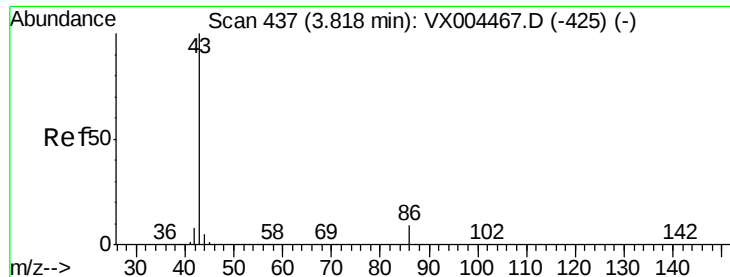
Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion:	45	Resp:	188105
Ion	Ratio	Lower	Upper
45	100		
43	66.2	42.8	64.2#
87	25.3	22.6	34.0
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 93.09 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 43 Resp: 751737

Ion Ratio Lower Upper

43 100

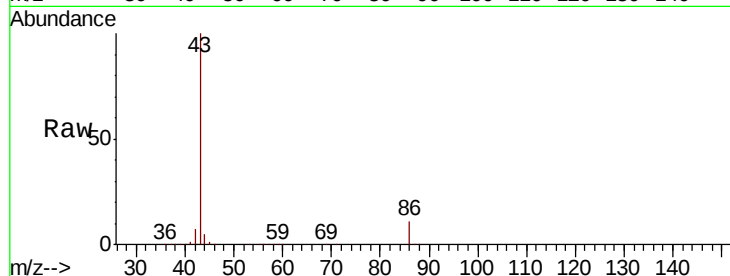
86 10.5 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

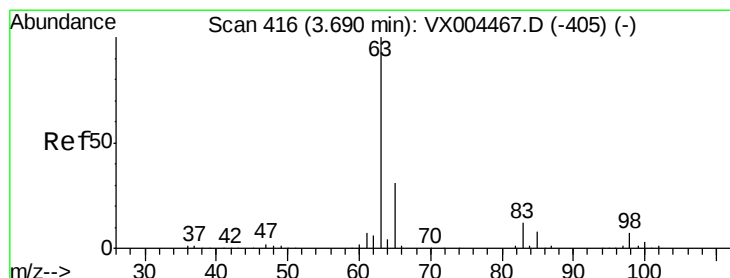
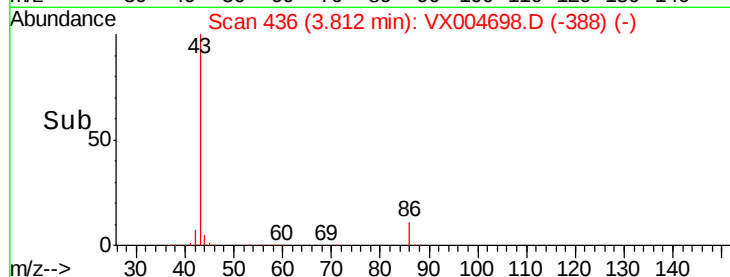
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.88 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

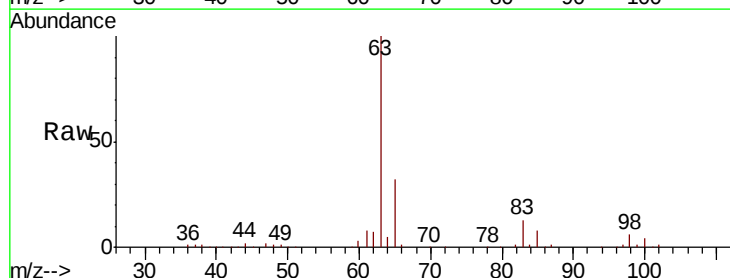
Tgt Ion: 63 Resp: 112024

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

30000

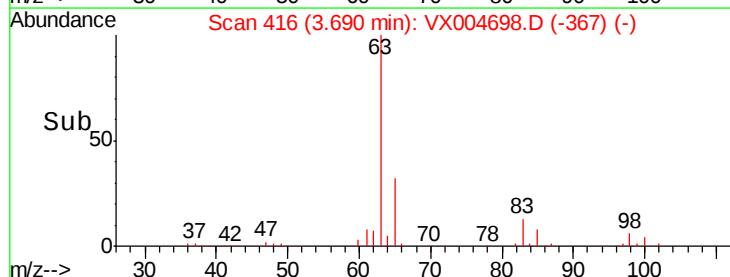
20000

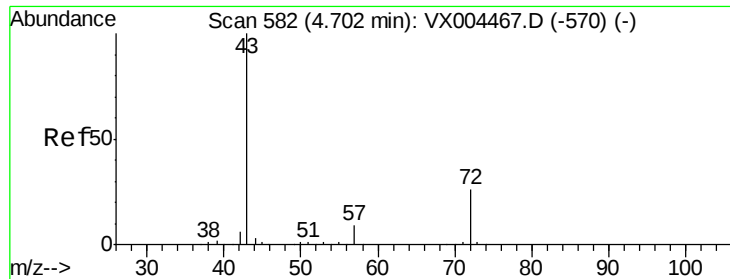
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 83.54 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 43 Resp: 215790

Ion Ratio Lower Upper

43 100

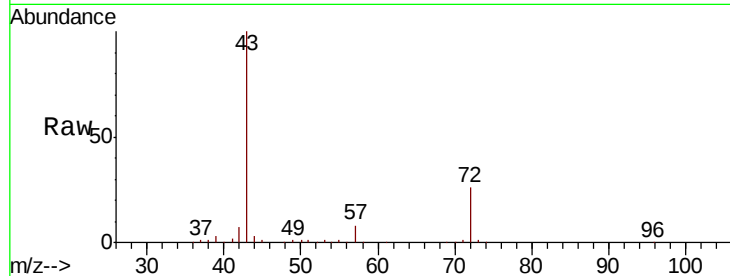
72 25.8 22.0 33.0

Manual Integrations

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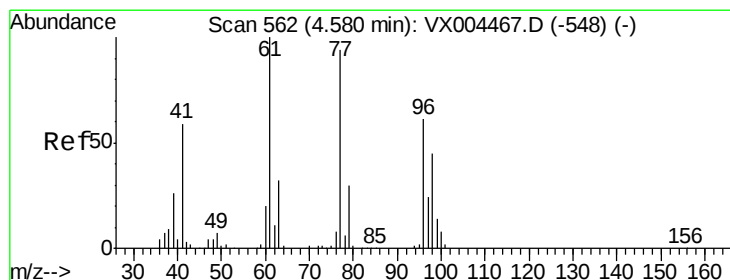
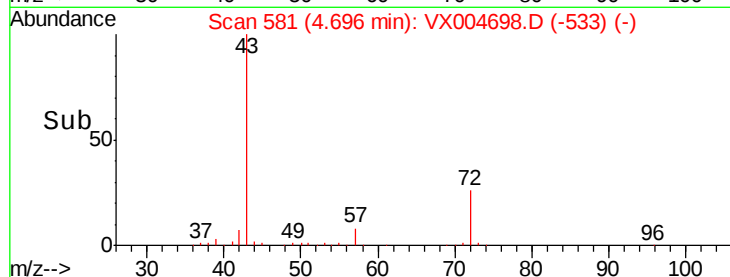
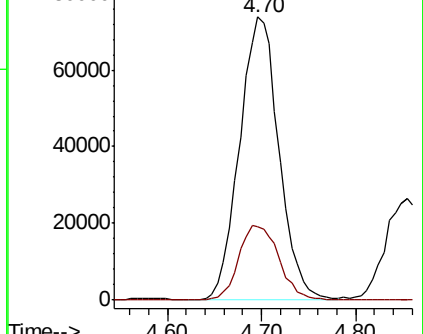
MMDadoda

9/20/2018 1:42:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 21.12 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004698.D

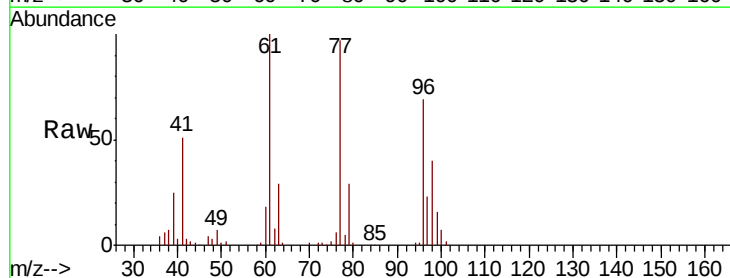
Acq: 19 Sep 2018 11:53

Tgt Ion: 77 Resp: 81717

Ion Ratio Lower Upper

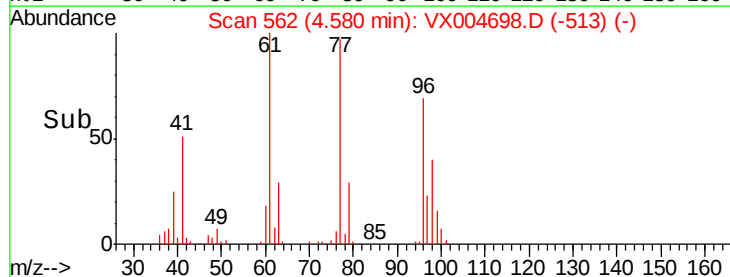
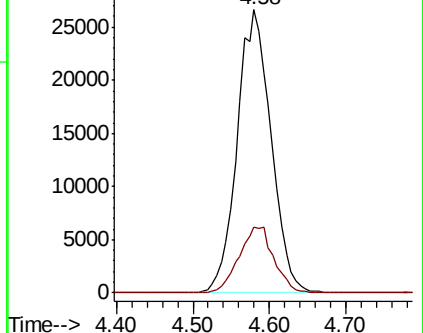
77 100

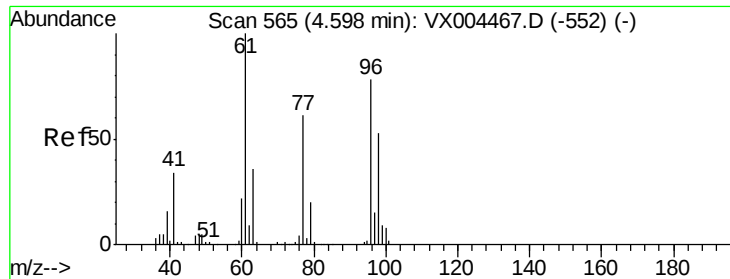
97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

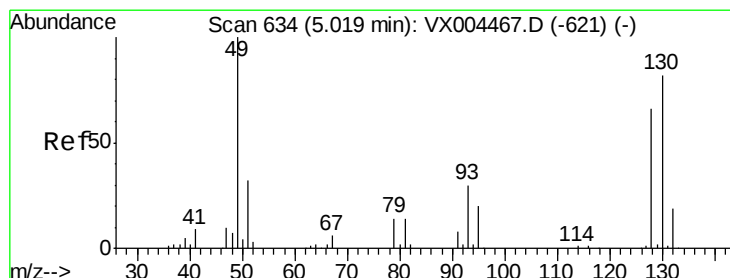
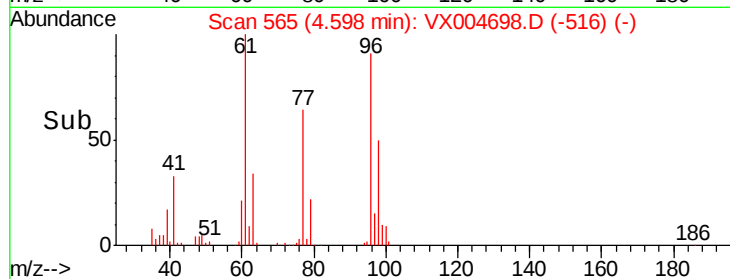
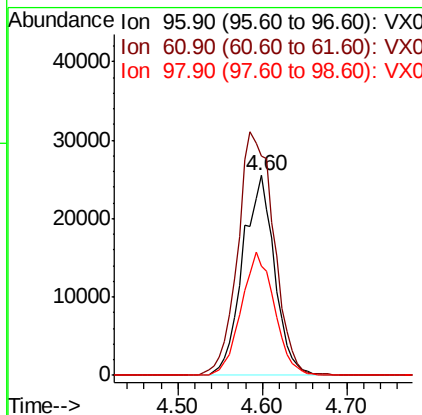
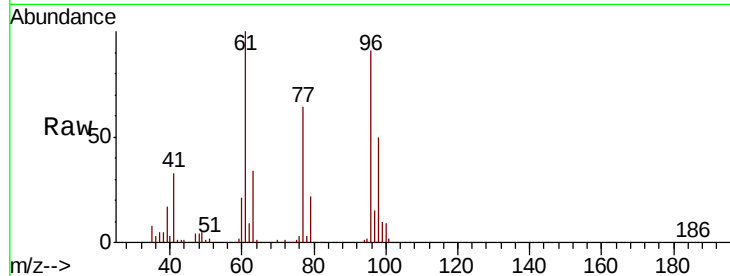
cis-1,2-Dichloroethene
 Concen: 19.69 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	282.6
98	63.9	0.0	130.2

Manual Integrations
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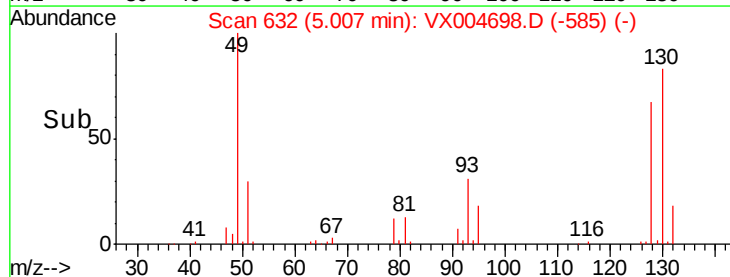
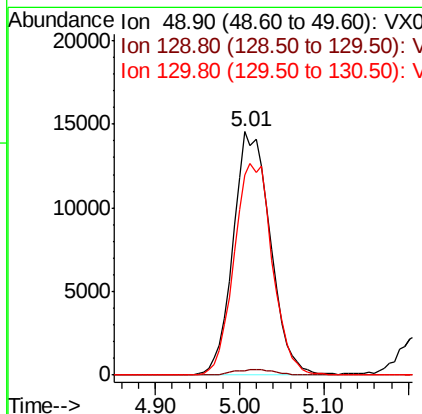
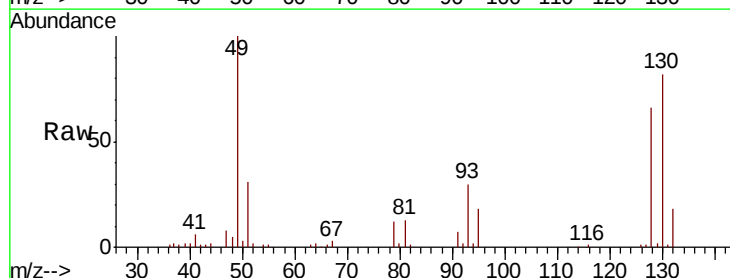
MMDadoda
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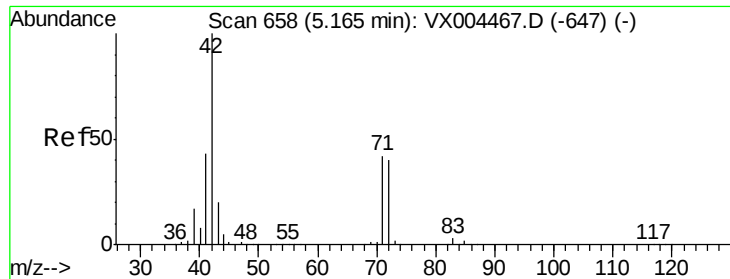


#28

Bromochloromethane
 Concen: 16.89 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	89.1	67.5	101.3





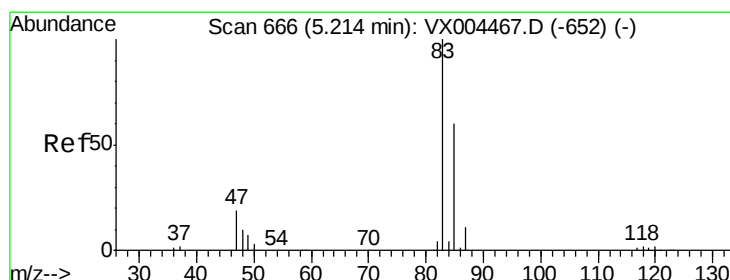
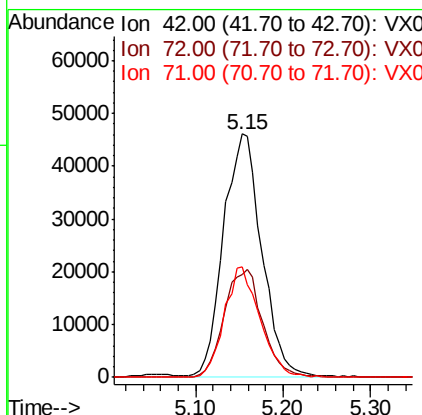
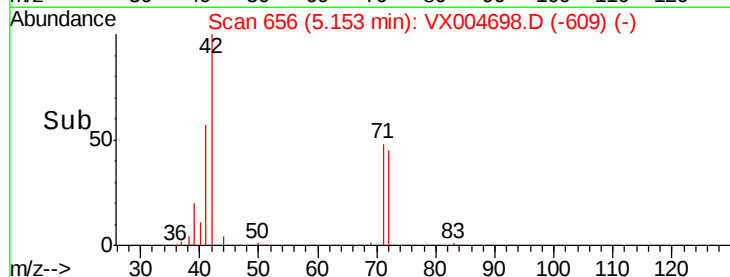
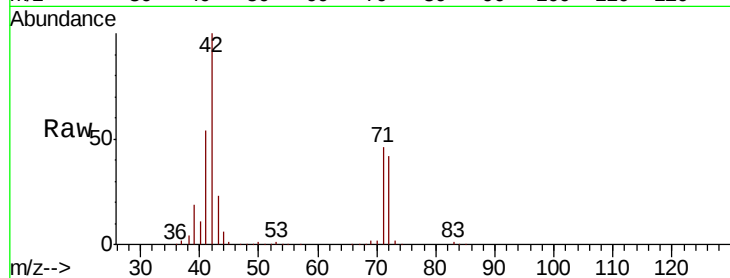
#29
Tetrahydrofuran
Concen: 89.33 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.4	56.0
71	42.5	34.5	51.7

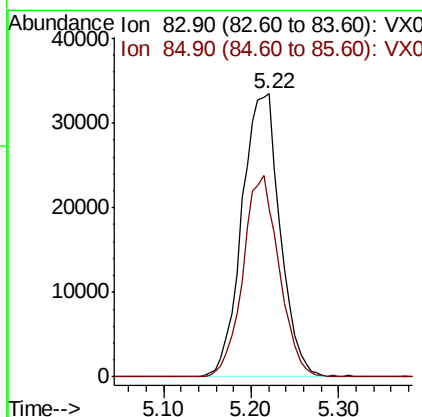
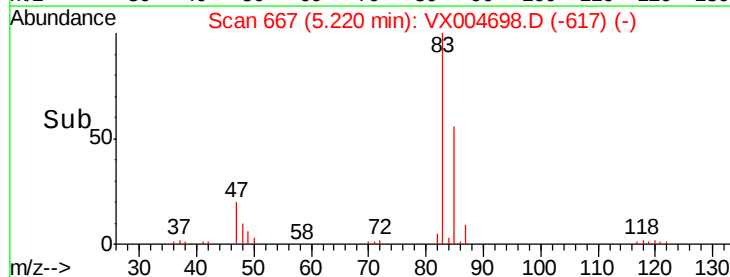
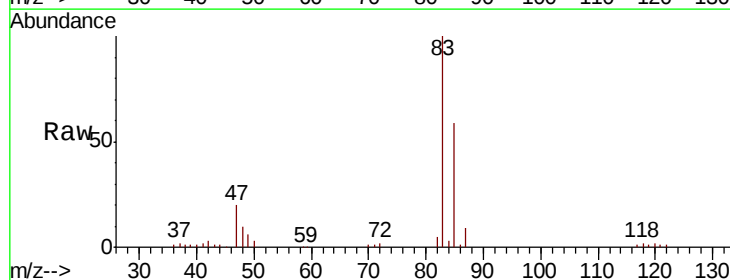
Manual Integrations
APPROVED

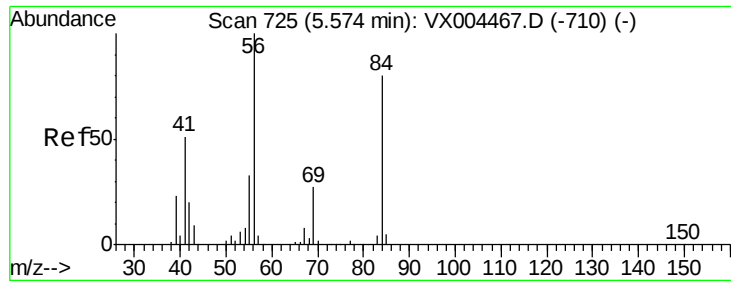
MMDadoda
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#30
Chloroform
Concen: 18.51 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.6	79.0





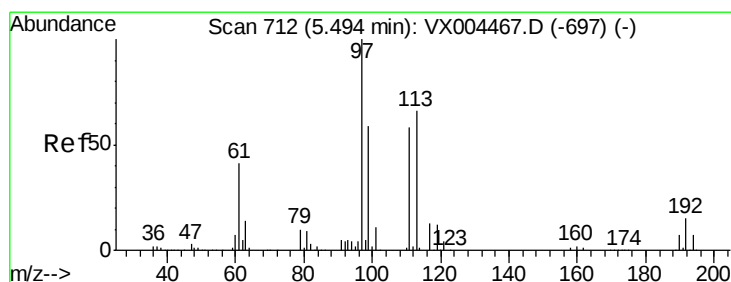
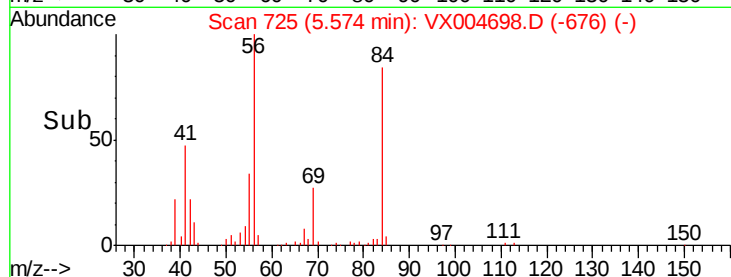
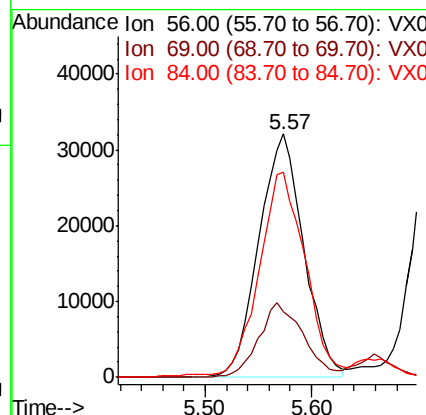
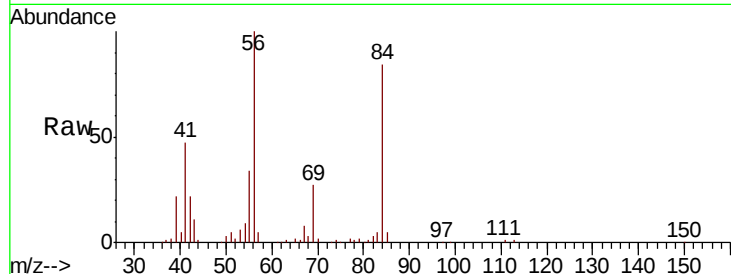
#31
Cyclohexane
Concen: 19.60 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	25.4	38.2
84	83.0	71.4	107.2

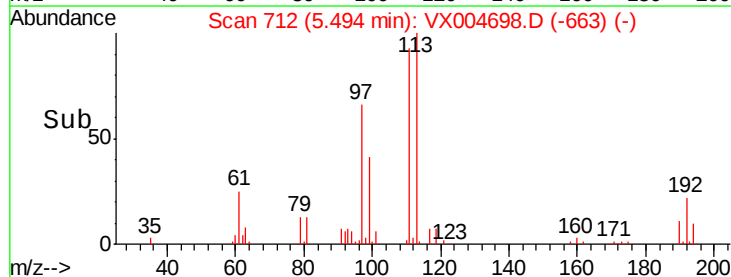
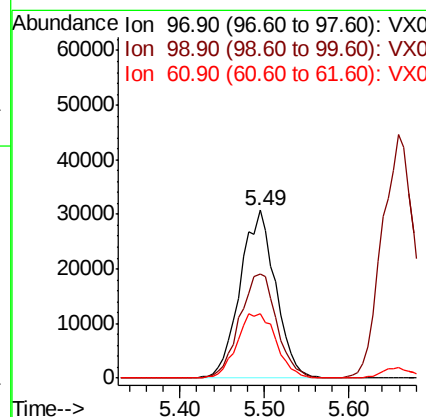
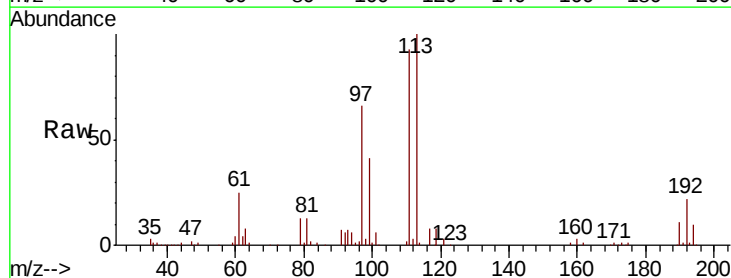
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#32
1,1,1-Trichloroethane
Concen: 19.80 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	42.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 42.47 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tot Ion: 65 Resp: 141233

Ion Ratio Lower Upper

65 100

67 58.7 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

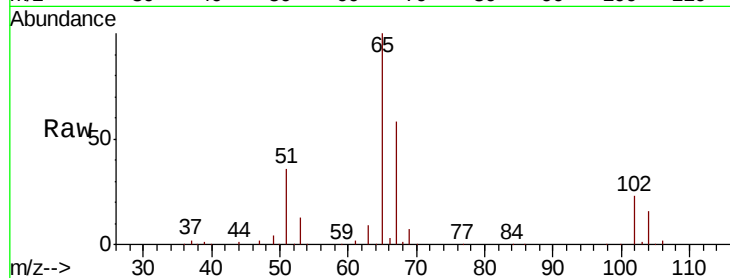
VX0919WBS01

Manual Integrations

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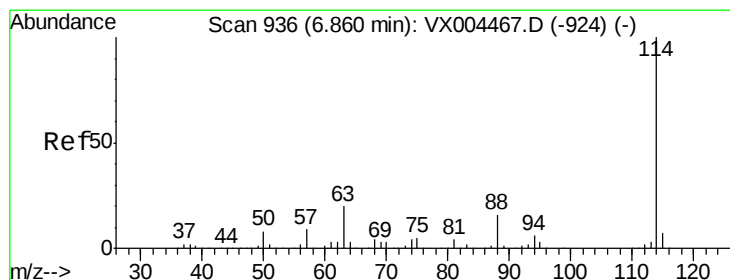
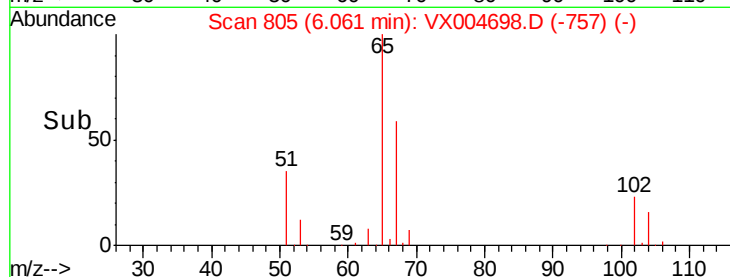
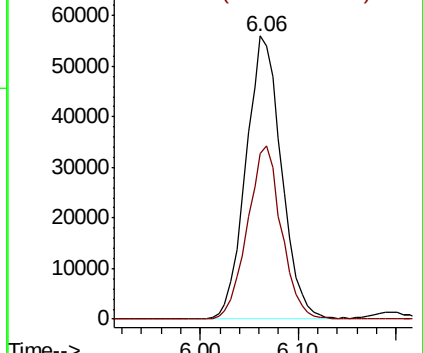
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

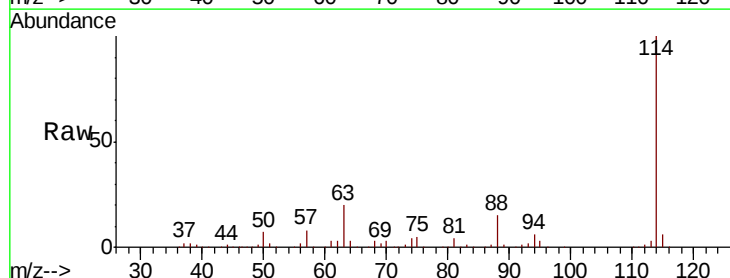
Tgt Ion: 114 Resp: 320682

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

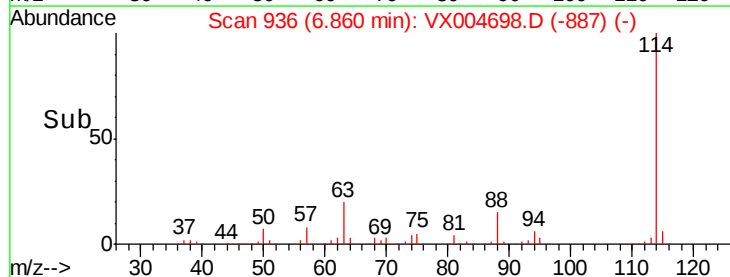
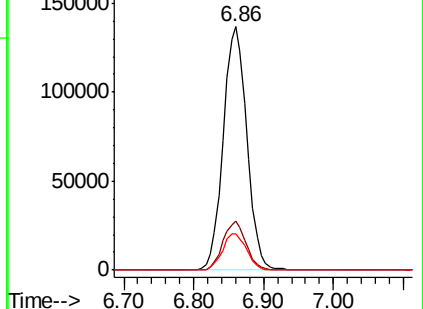
88 15.1 0.0 30.4



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





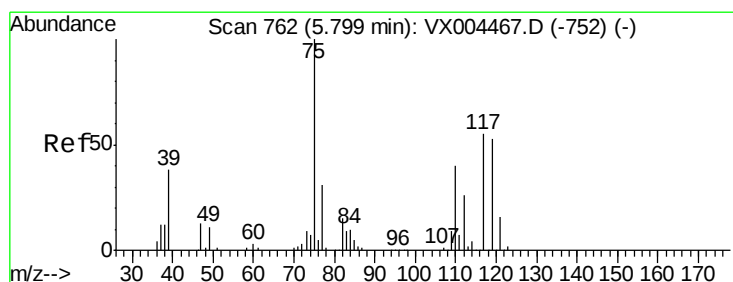
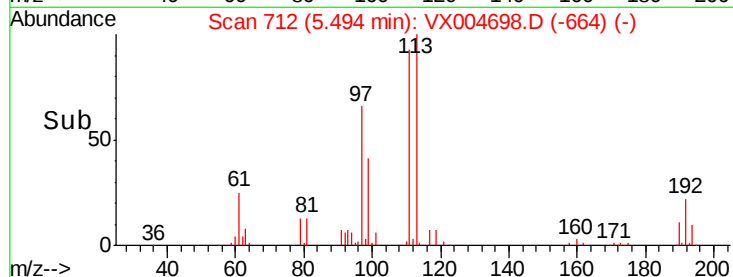
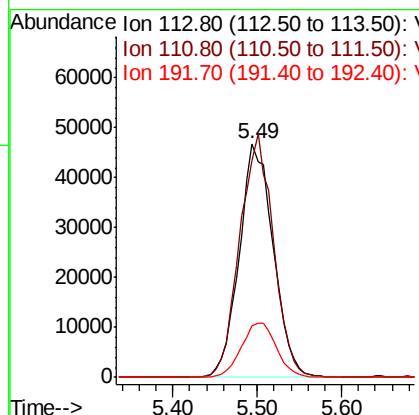
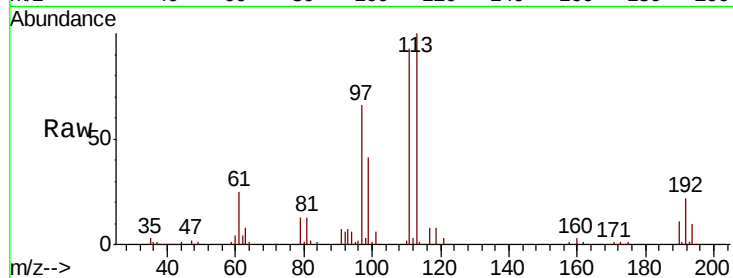
#35
 Dibromofluoromethane
 Concen: 43.50 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127650		
111	103.1	82.4	123.6	
192	24.0	19.4	29.2	

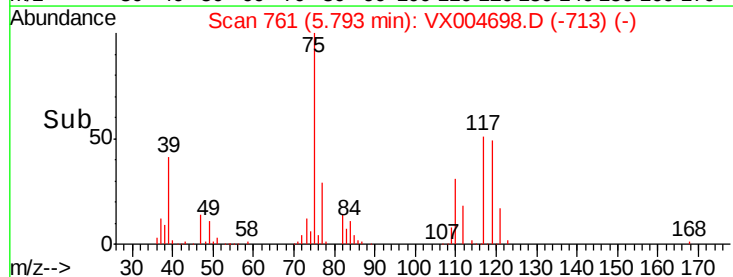
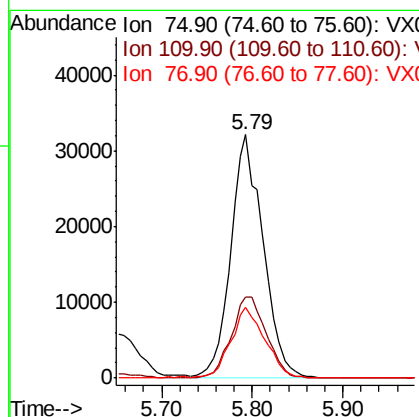
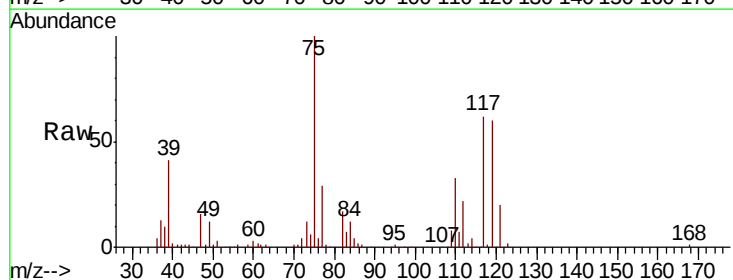
Manual Integrations
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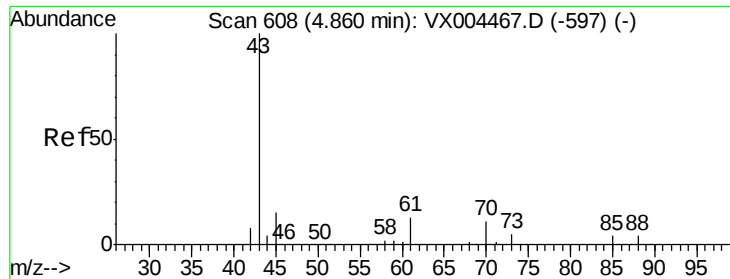
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.41 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79442		
110	36.3	18.0	54.0	
77	30.5	24.6	36.8	





#37

Ethyl Acetate

Concen: 17.76 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

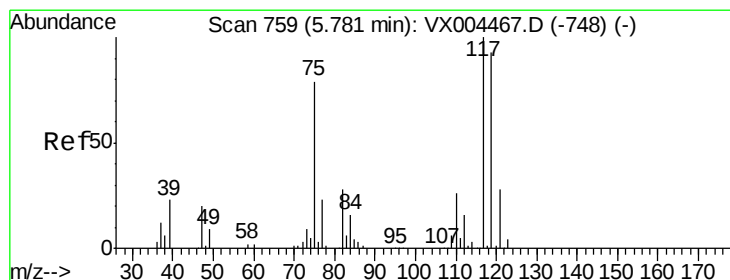
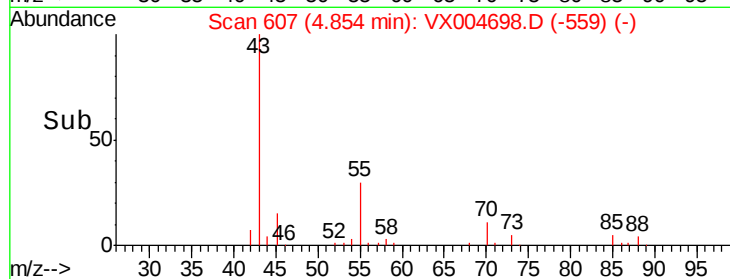
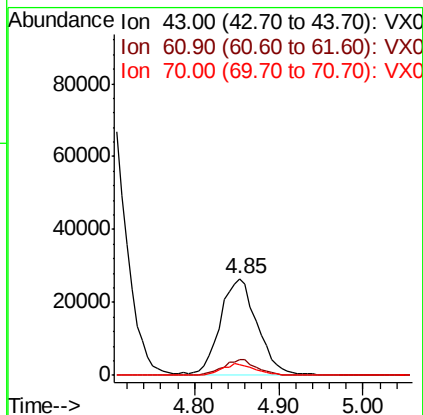
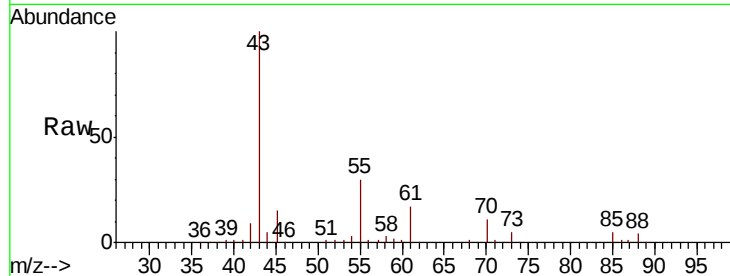
ClientSampleId :

VX0919WBS01

Tot Ion:	43	Resp:	78622
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.2	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.81 ug/l

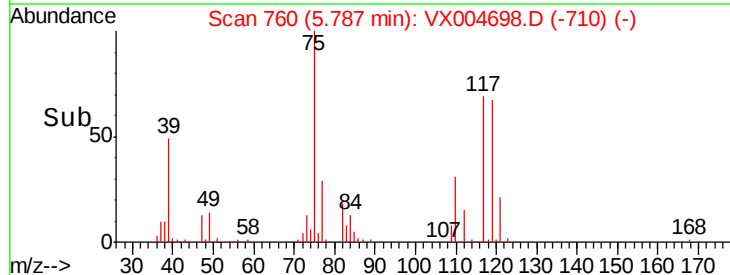
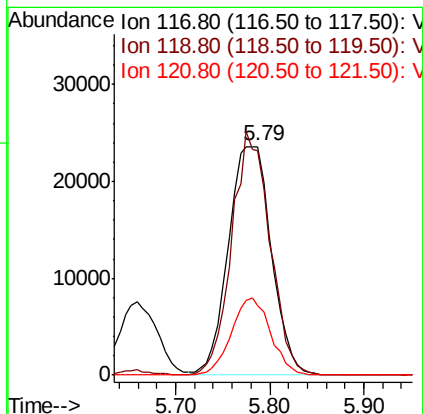
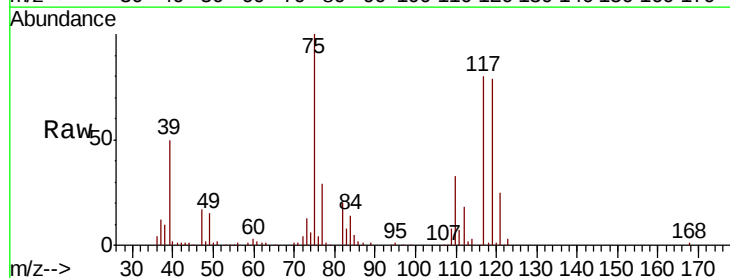
RT: 5.79 min Scan# 760

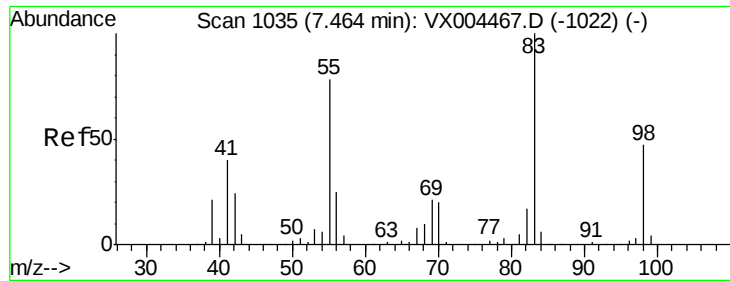
Delta R.T. 0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion:	117	Resp:	75346
Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.8	118.2
121	30.6	24.9	37.3





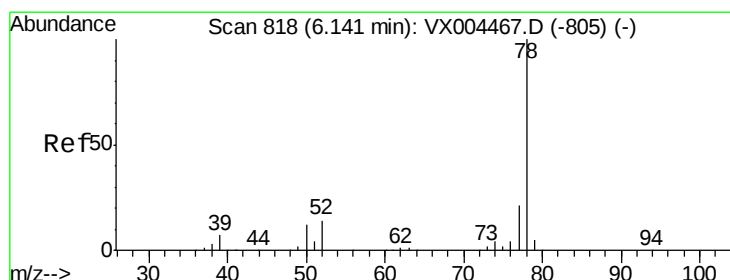
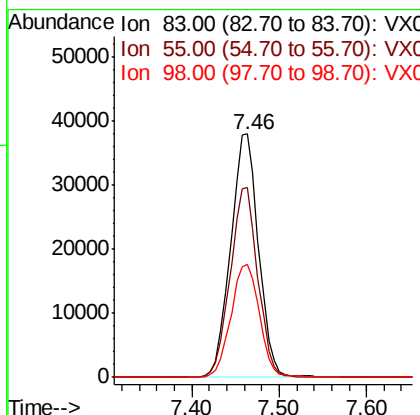
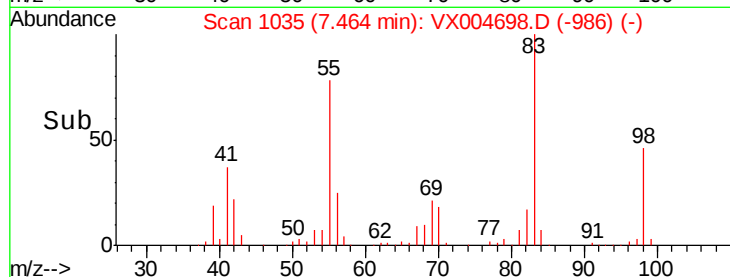
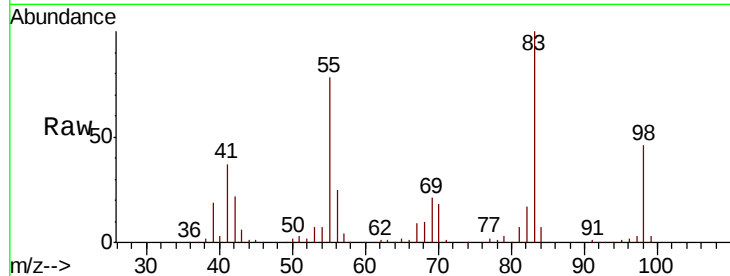
#39
Methvlcvclohexane
Concen: 20.75 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.0	91.4
98	46.2	39.6	59.4

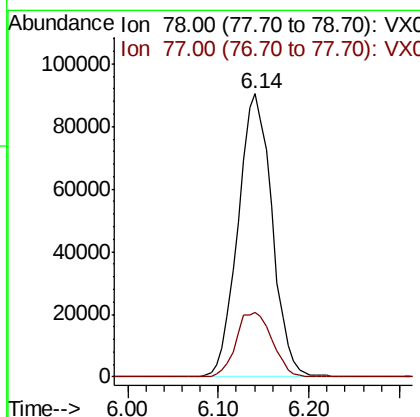
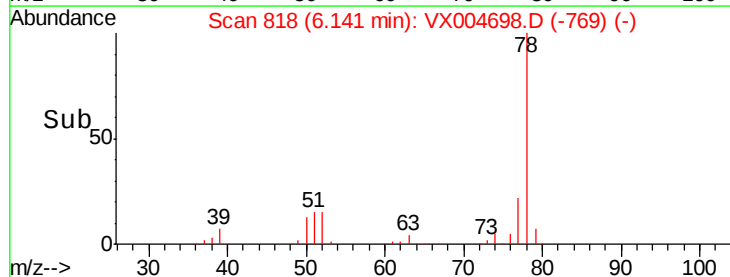
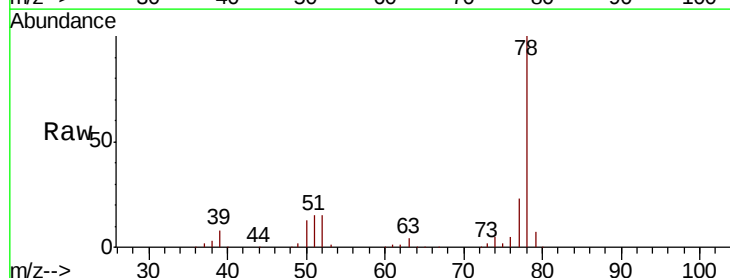
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#40
Benzene
Concen: 20.40 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





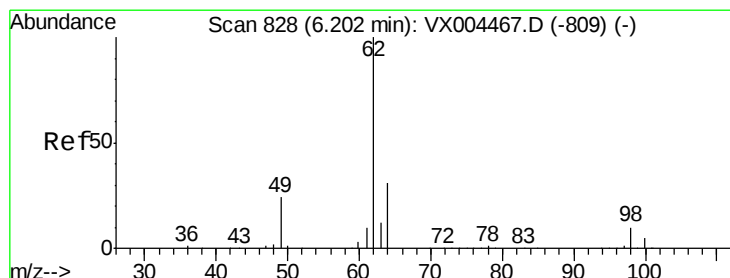
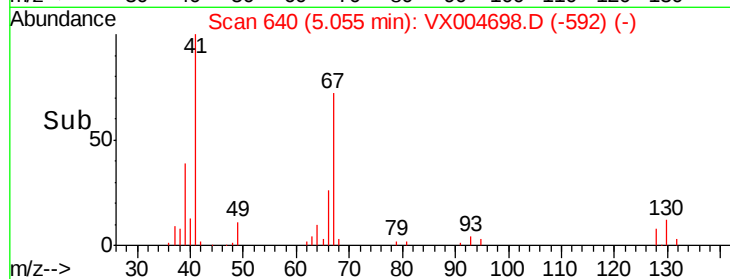
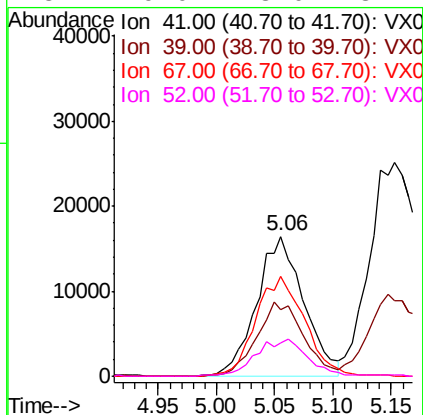
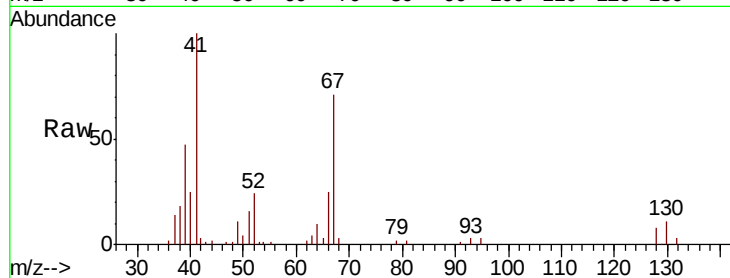
#41
Methacrylonitrile
Concen: 18.89 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.4	63.6
67	74.5	59.2	88.8
52	29.0	23.0	34.4

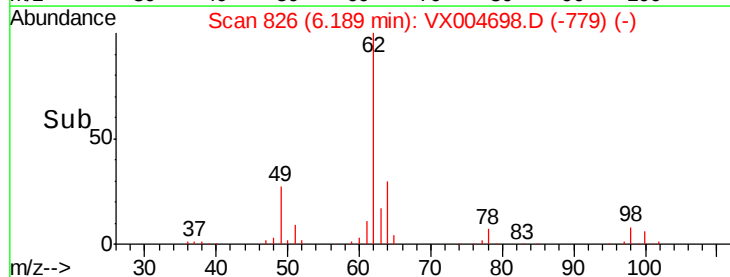
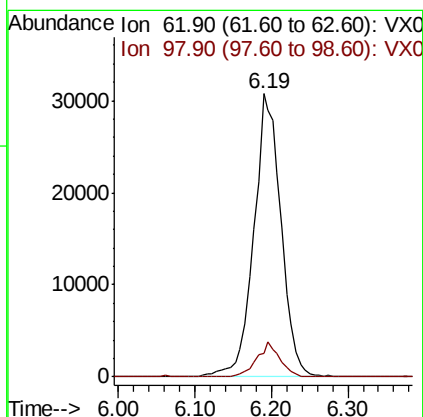
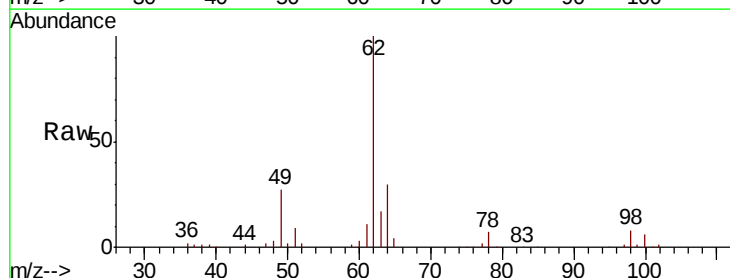
Manual Integrations
APPROVED

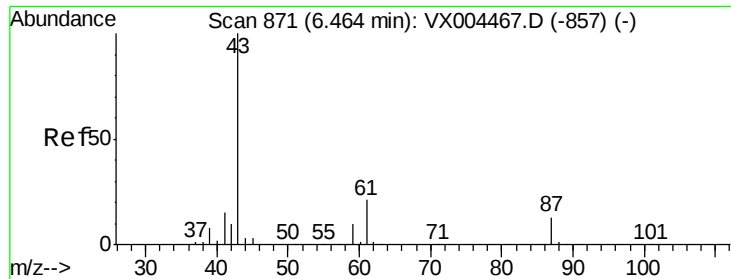
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.99 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

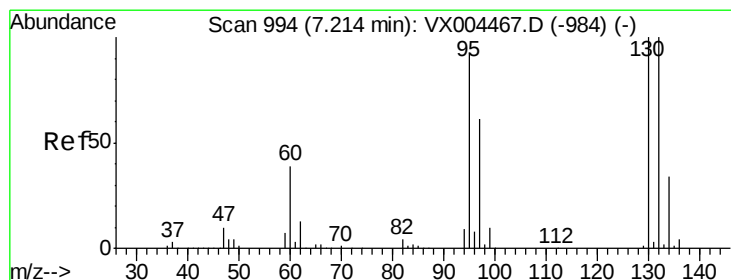
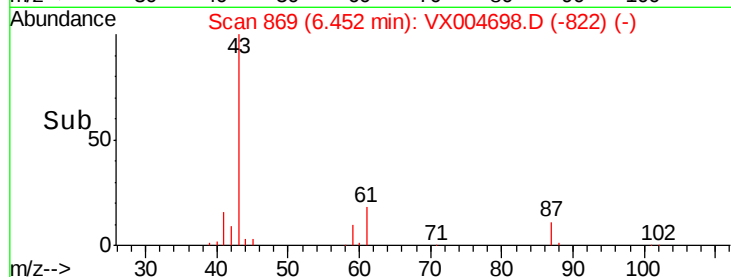
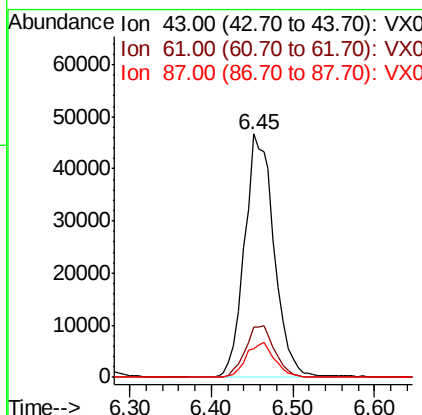
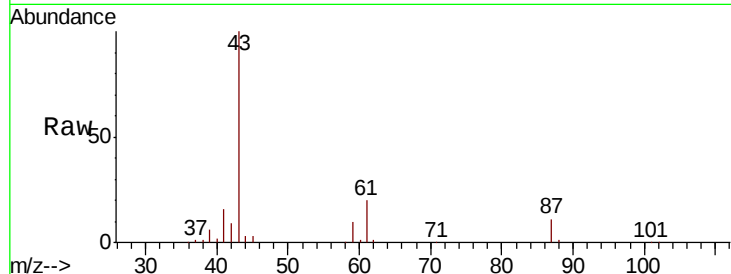
Isopropyl Acetate
 Concen: 20.09 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	13.9	11.4	17.2

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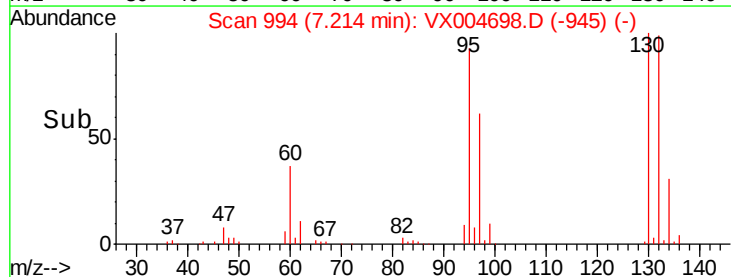
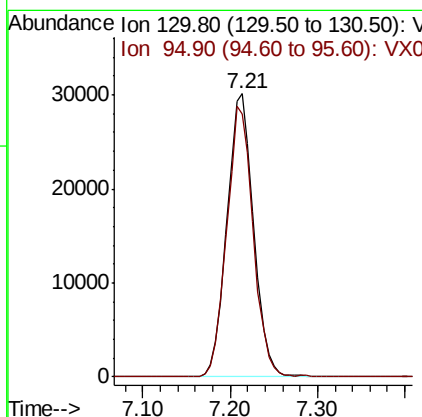
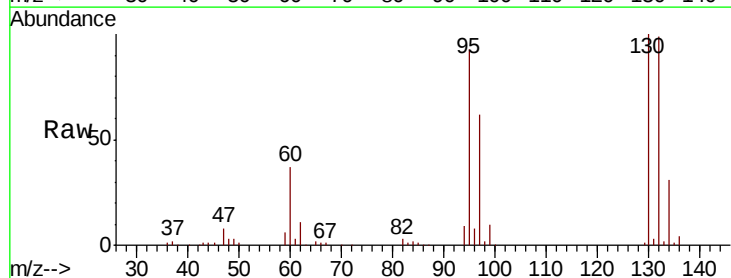
MMDadoda
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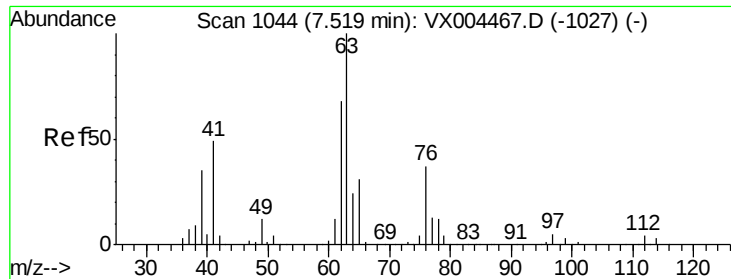


#44

Trichloroethene
 Concen: 21.25 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.49 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 63 Resp: 56955

Ion Ratio Lower Upper

63 100

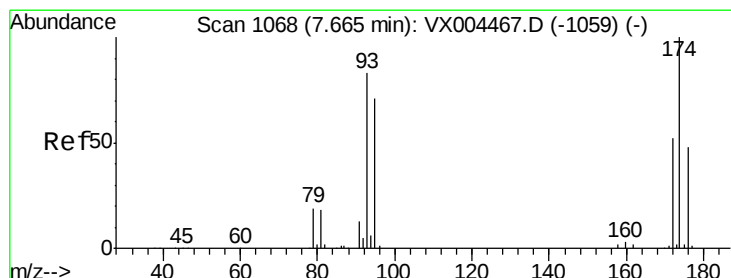
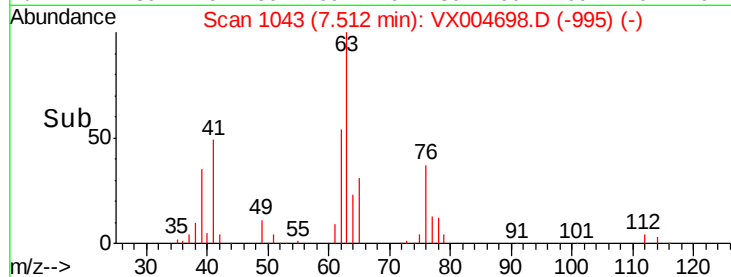
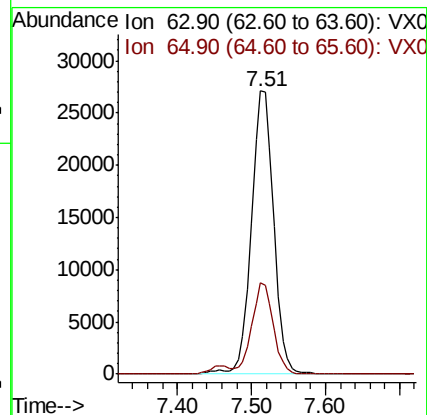
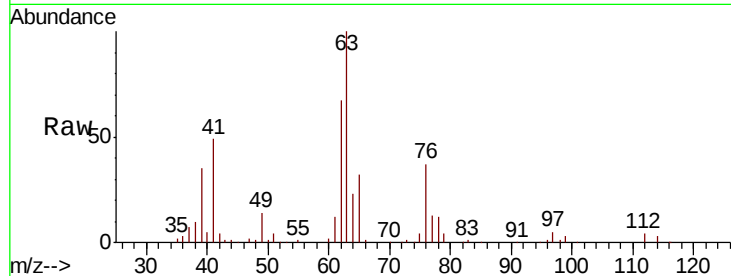
65 32.3 24.3 36.5

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#46

Dibromomethane

Concen: 20.52 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

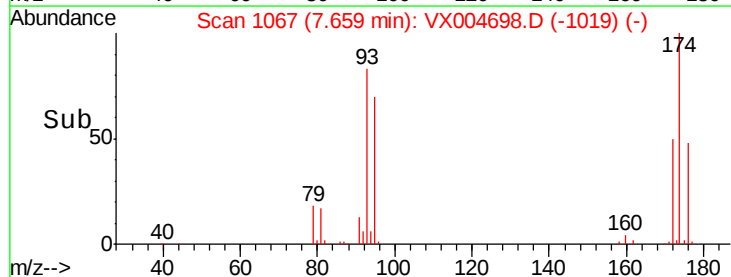
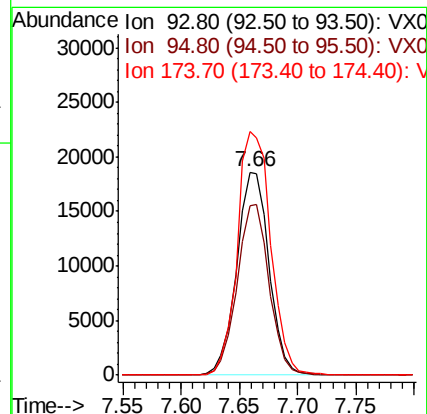
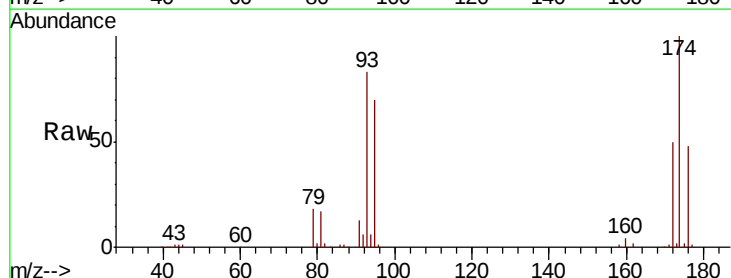
Tgt Ion: 93 Resp: 36040

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

174 123.9 94.2 141.4





#47

Bromodichloromethane

Concen: 20.09 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

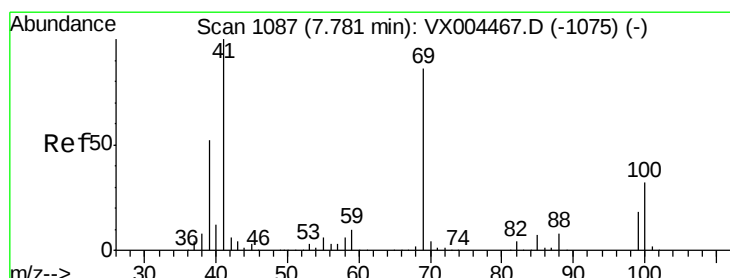
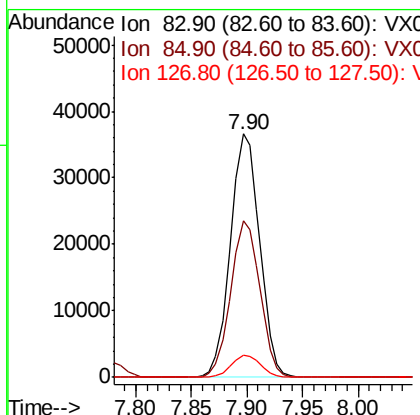
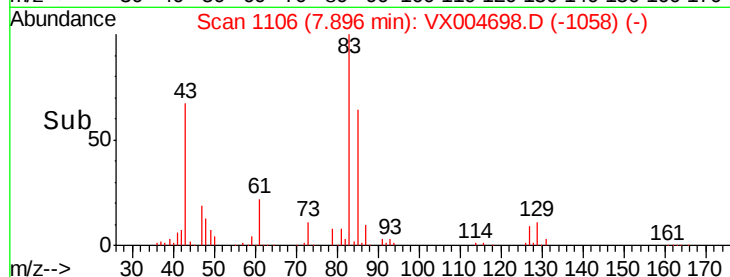
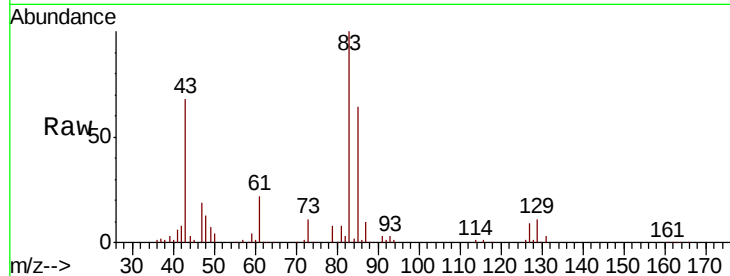
ClientSampleId :

VX0919WBS01

Tot Ion:	83	Resp:	66703
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.9	76.3
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.57 ug/l

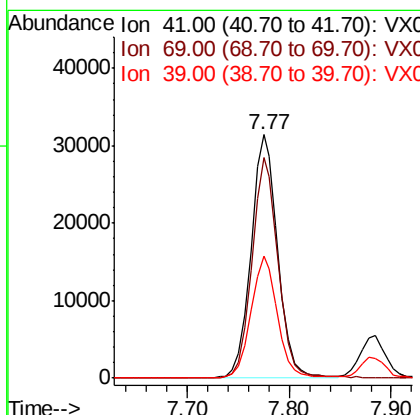
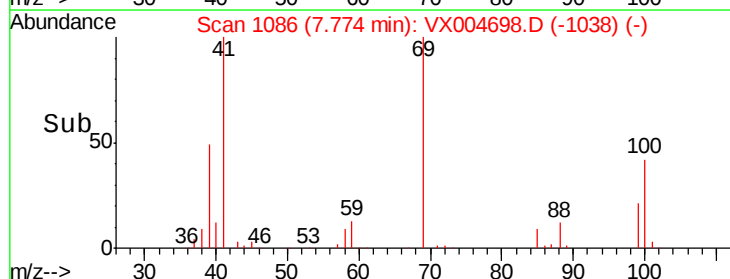
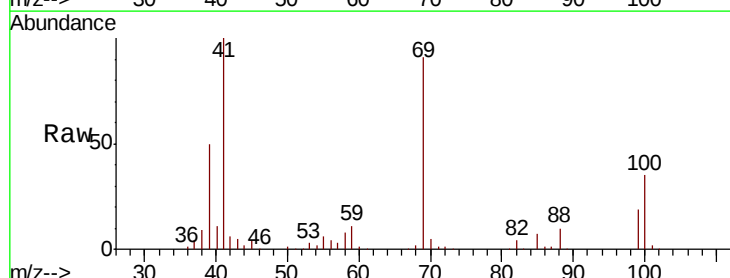
RT: 7.77 min Scan# 1086

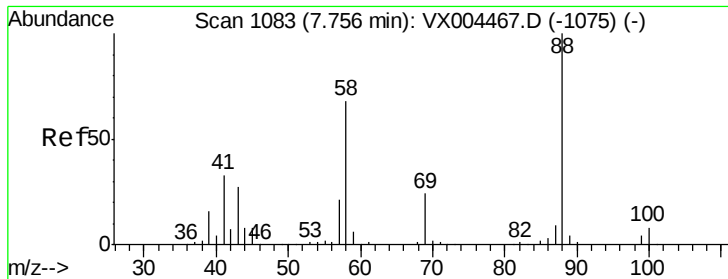
Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion:	41	Resp:	56950
Ion Ratio	Lower	Upper	
41	100		
69	89.3	70.2	105.4
39	50.1	42.7	64.1





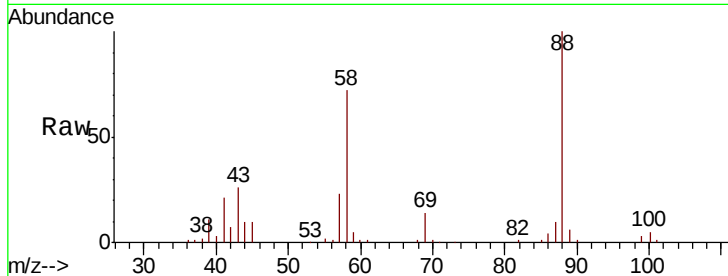
#49
1,4-Dioxane
Concen: 423.60 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.7	37.1
58	70.0	55.3	82.9

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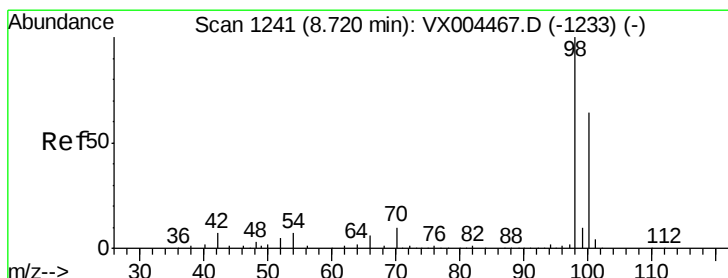
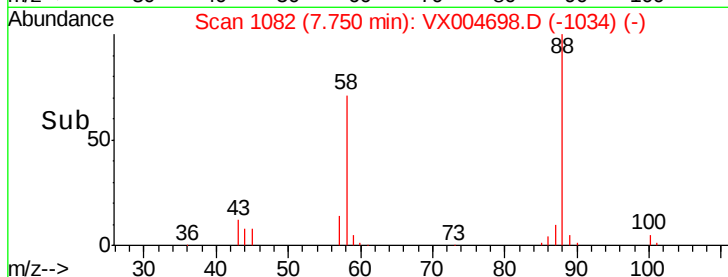
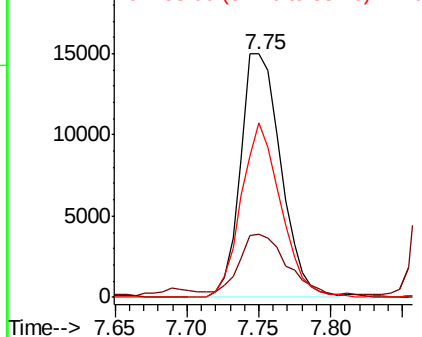


Abundance

Ion 88.00 (87.70 to 88.70): VX0

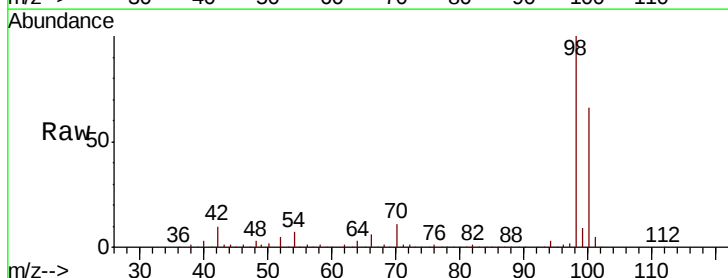
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 46.04 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

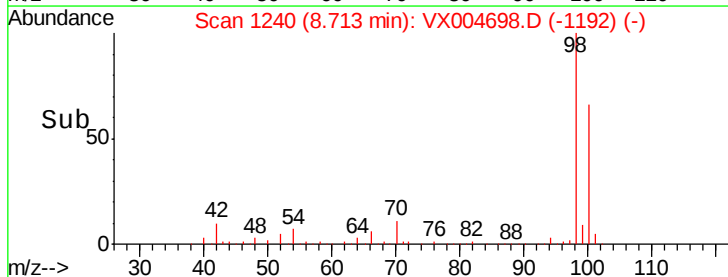
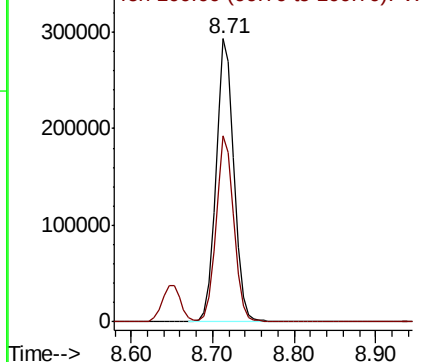
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.9	79.3

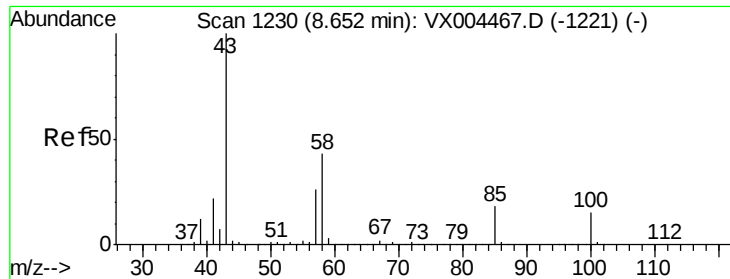


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





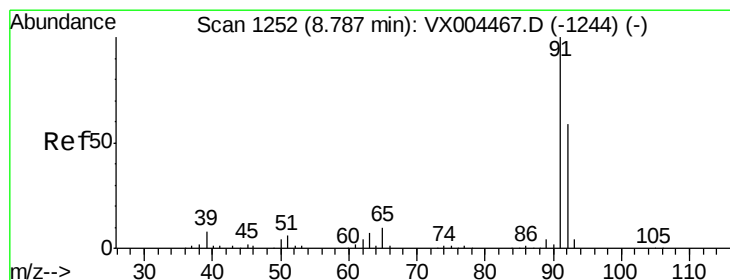
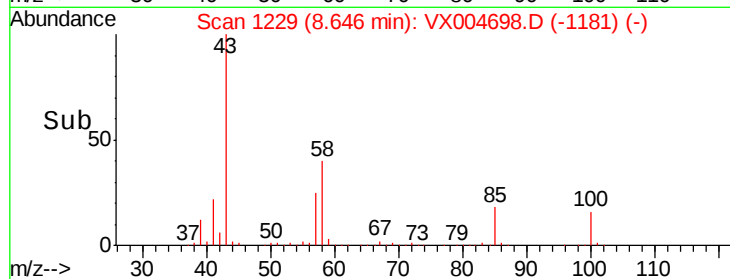
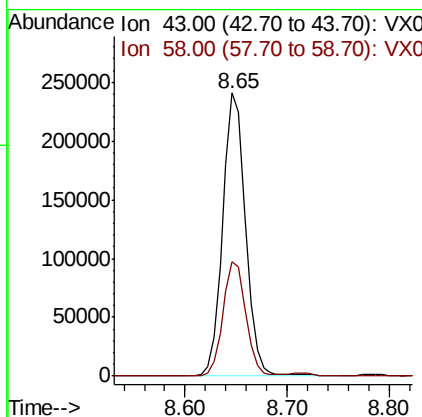
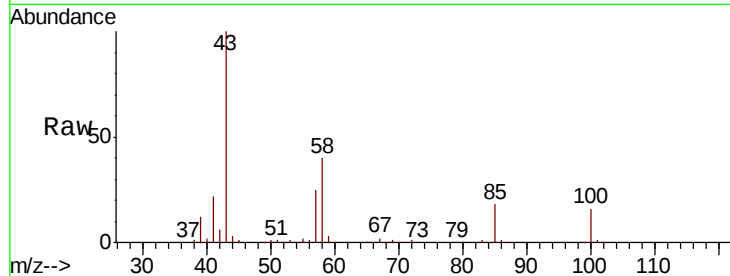
#51
4-Methyl-2-Pentanone
Concen: 90.44 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion: 43 Resp: 375360
Ion Ratio Lower Upper
43 100
58 40.3 33.1 49.7

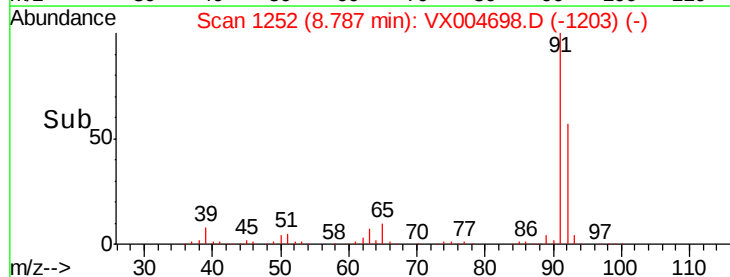
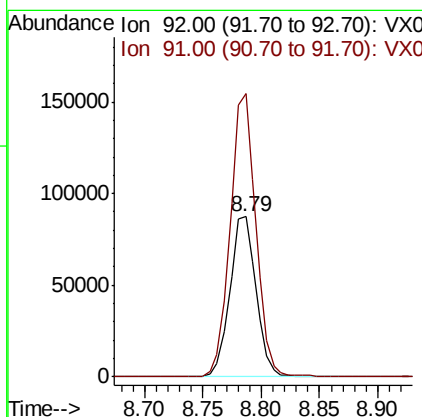
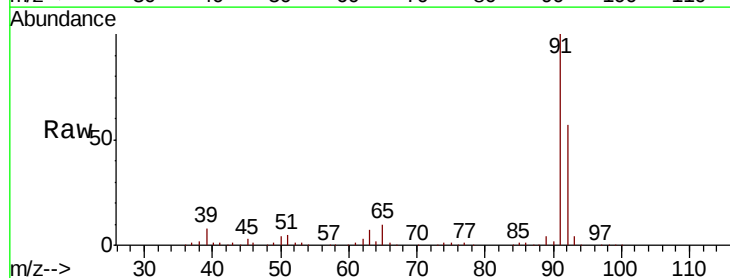
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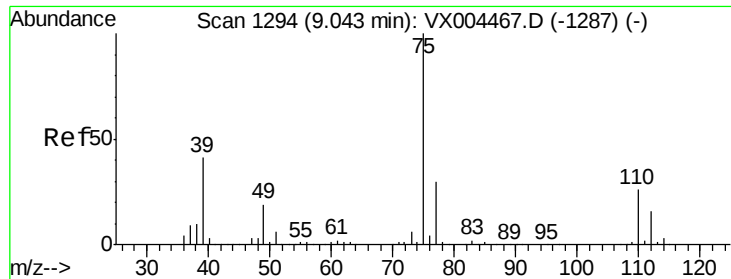
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#52
Toluene
Concen: 20.20 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 92 Resp: 137456
Ion Ratio Lower Upper
92 100
91 173.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tot Ion: 75 Resp: 74526

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

Instrument :

MSVOA_X

ClientSampleId :

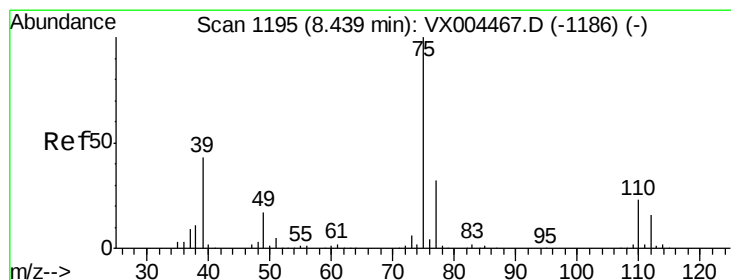
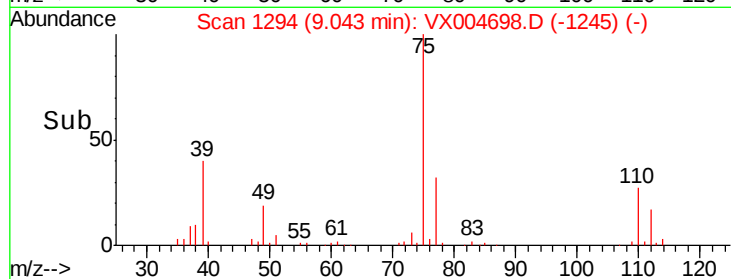
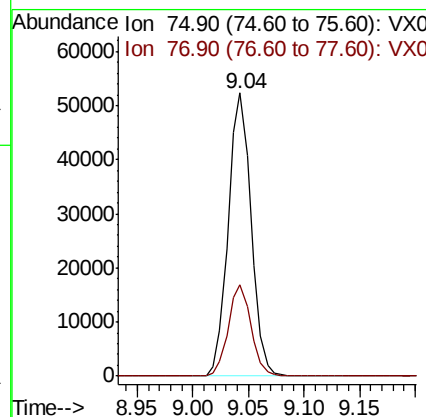
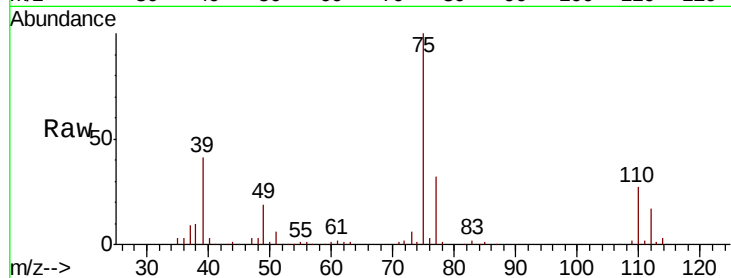
VX0919WBS01

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#54

cis-1,3-Dichloropropene

Concen: 21.45 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

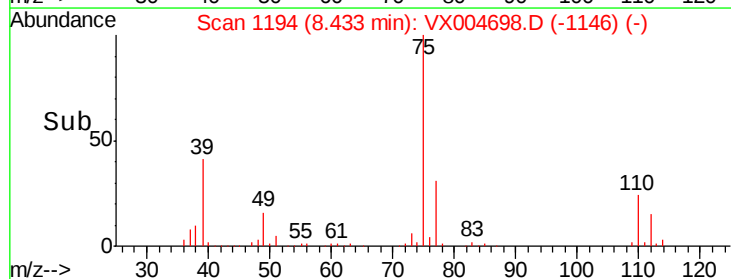
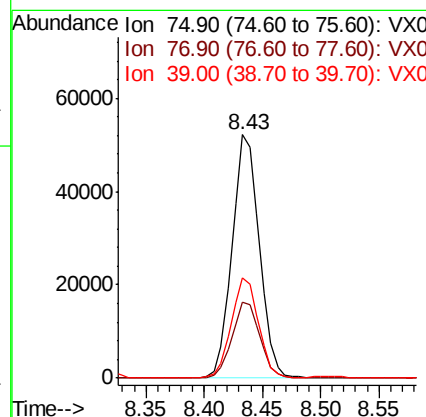
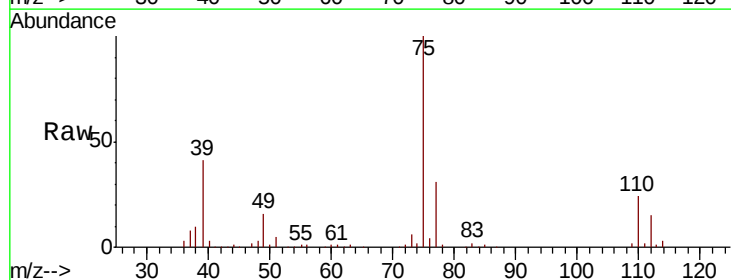
Tgt Ion: 75 Resp: 84803

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 41.3 36.4 54.6





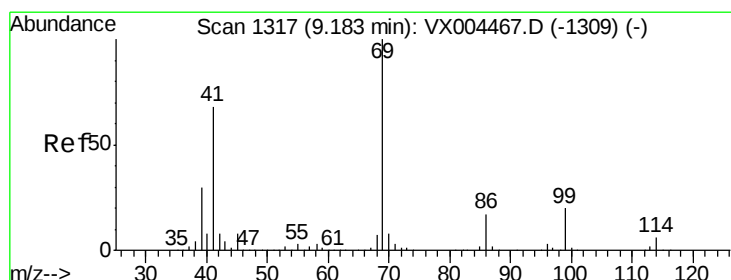
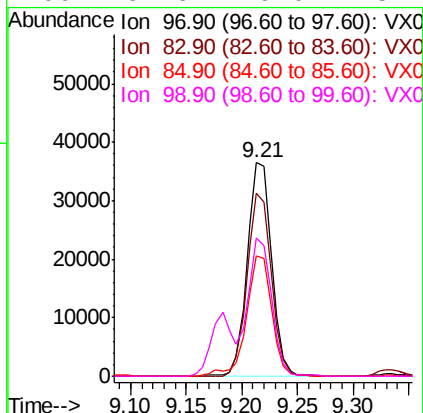
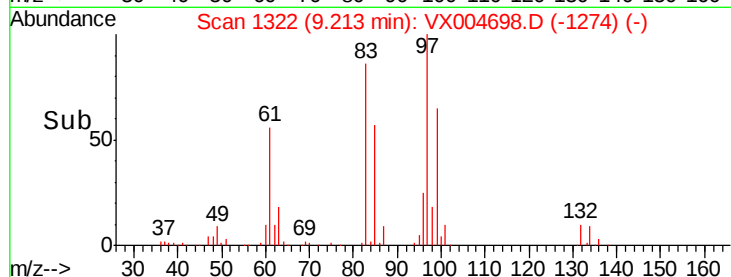
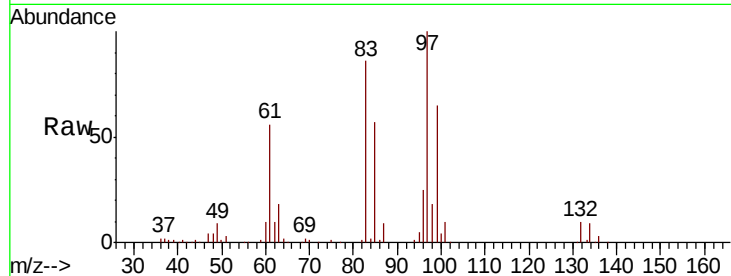
#55
 1,1,2-Trichloroethane
 Concen: 19.00 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion:	97	Resp:	55691
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.4	99.6
85	56.5	43.3	64.9
99	64.6	49.0	73.4

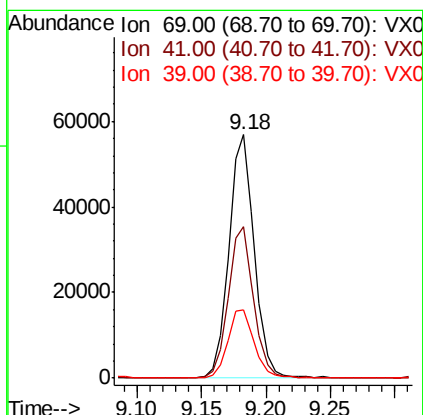
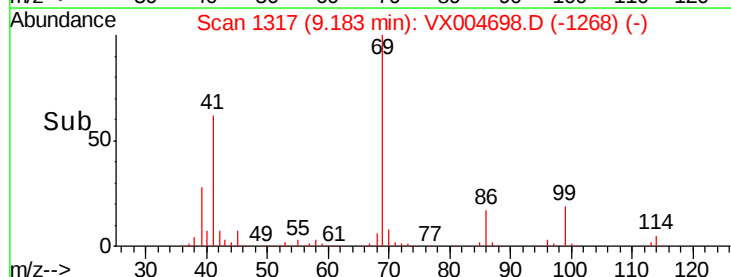
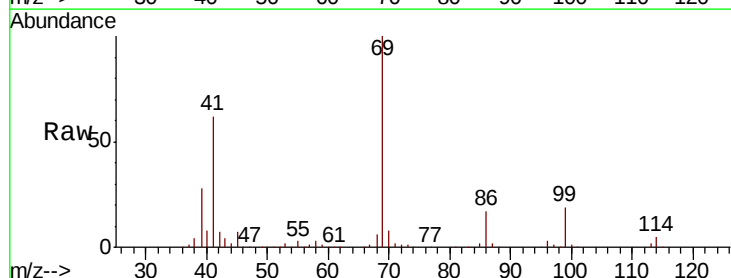
Manual Integrations
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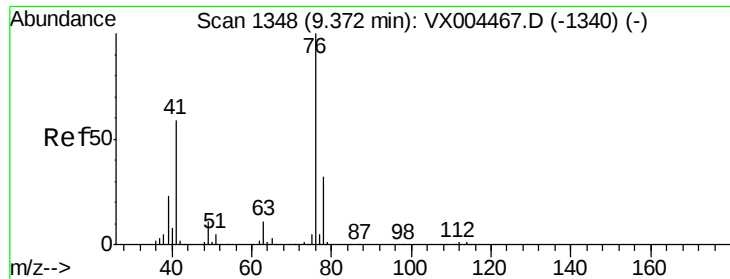
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#56
 Ethyl methacrylate
 Concen: 18.89 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion:	69	Resp:	78328
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.4
39	29.5	26.1	39.1





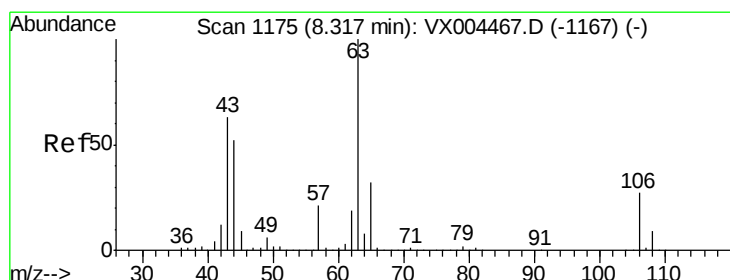
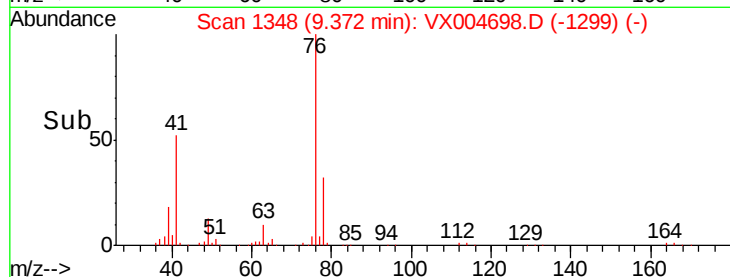
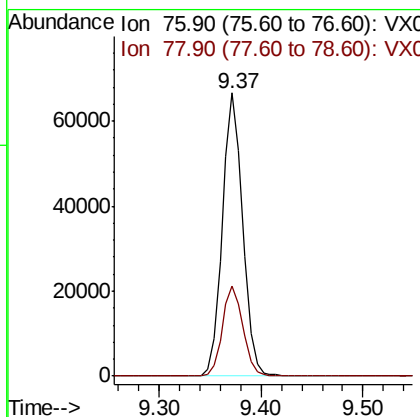
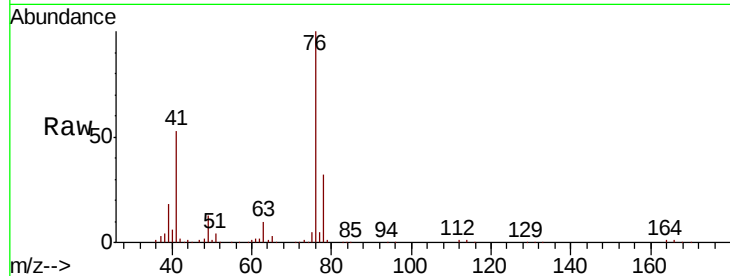
#57
 1,3-Dichloropropane
 Concen: 19.38 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

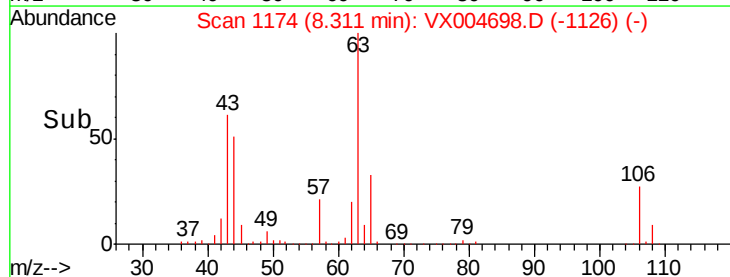
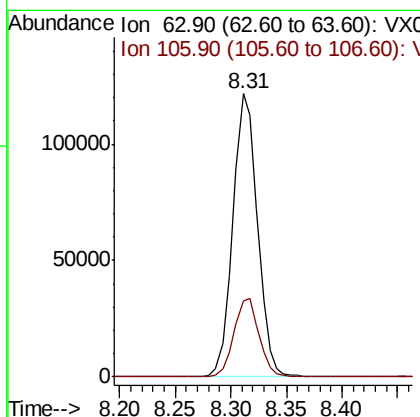
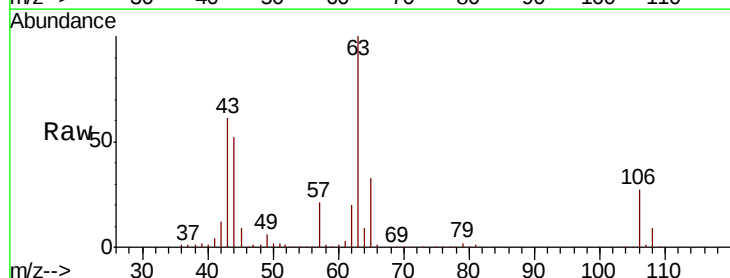
Manual Integrations
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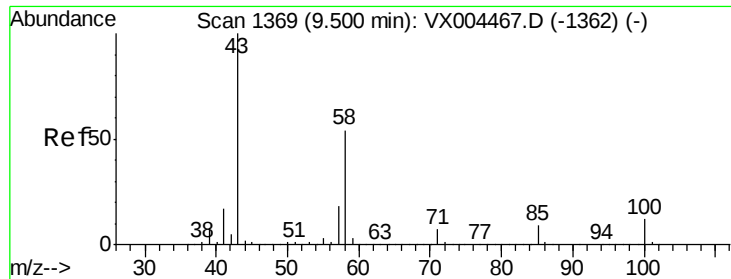
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.90 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.9	35.9





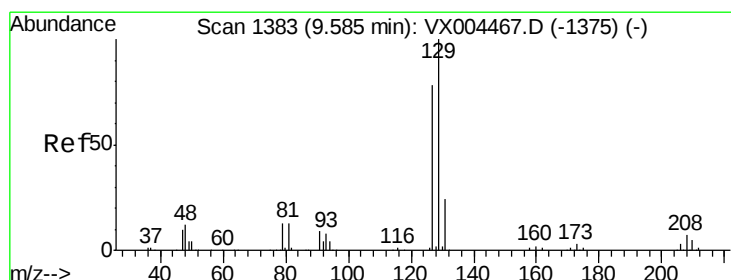
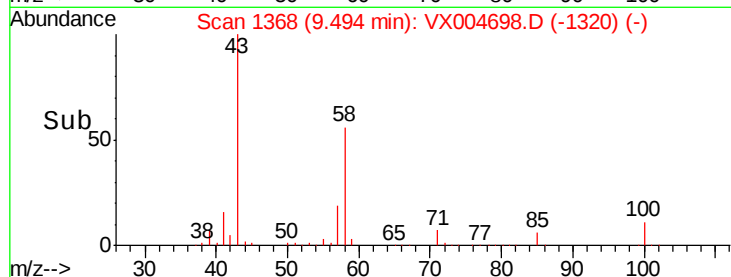
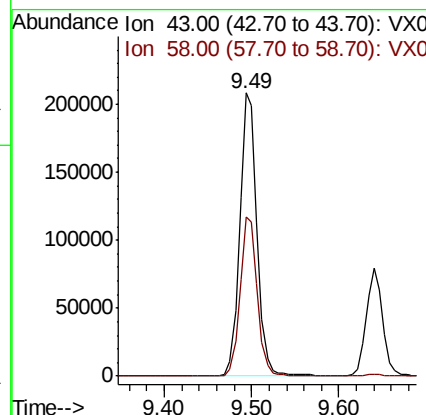
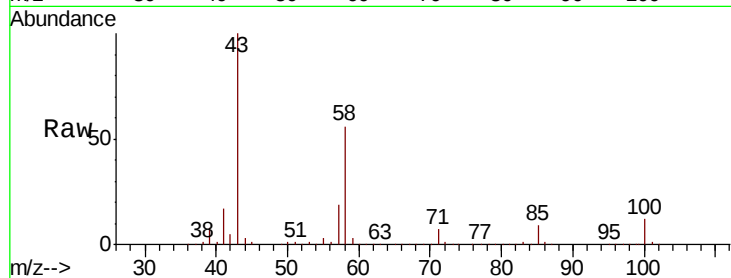
#59
2-Hexanone
Concen: 89.89 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion: 43 Resp: 286148
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.0

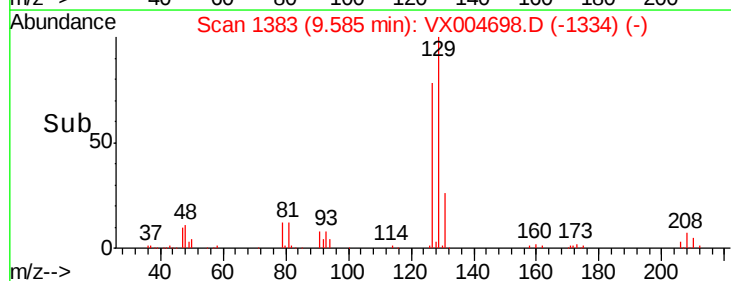
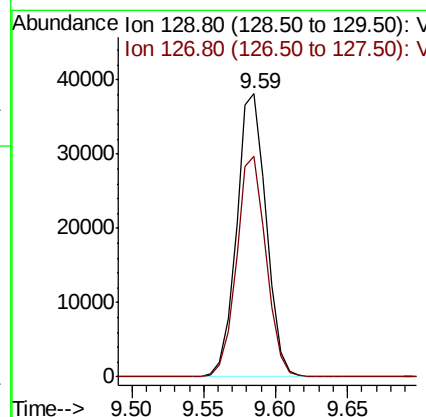
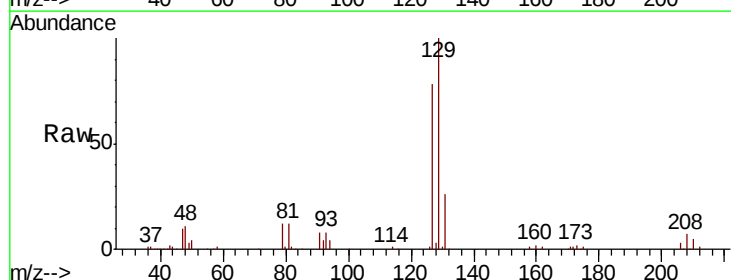
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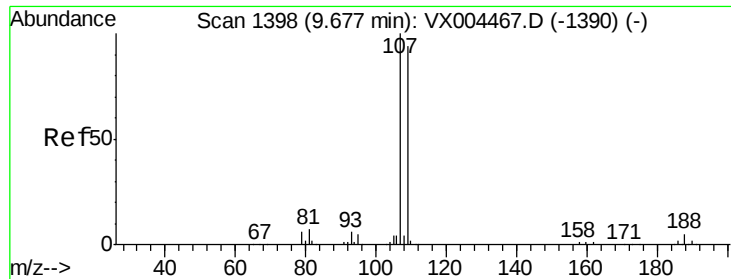
MMDadoda
9/20/2018 1:42:35 PM



#60
Dibromochloromethane
Concen: 19.85 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 129 Resp: 54760
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





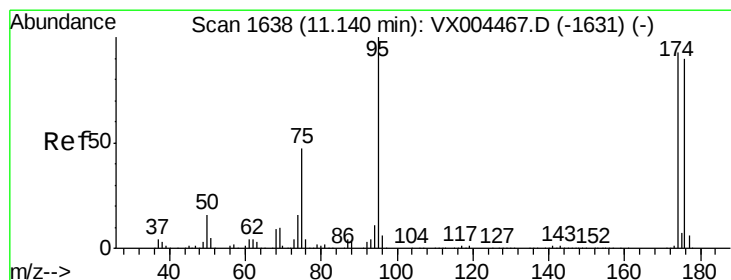
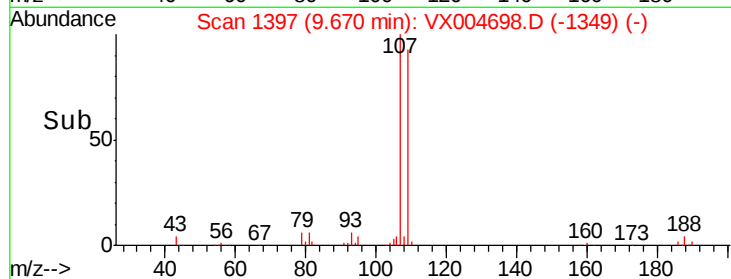
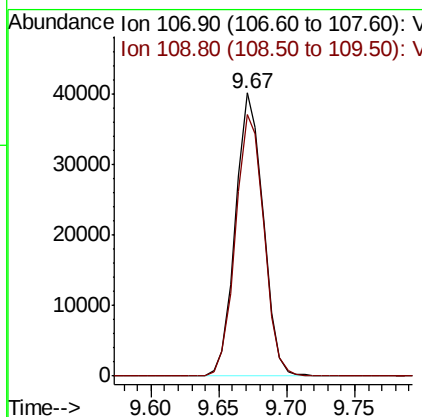
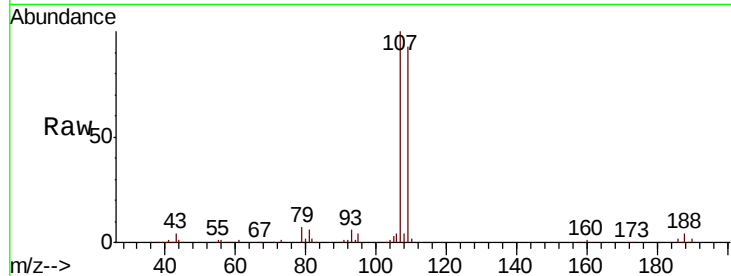
#61
 1,2-Dibromoethane
 Concen: 20.40 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.0	114.0

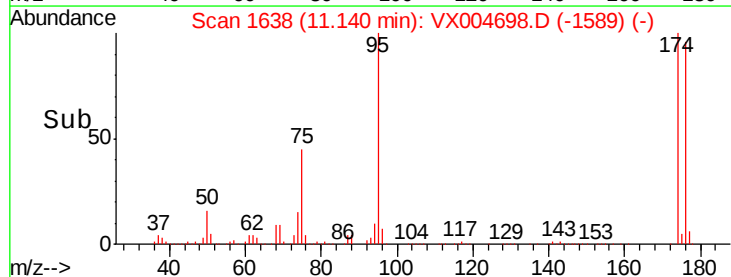
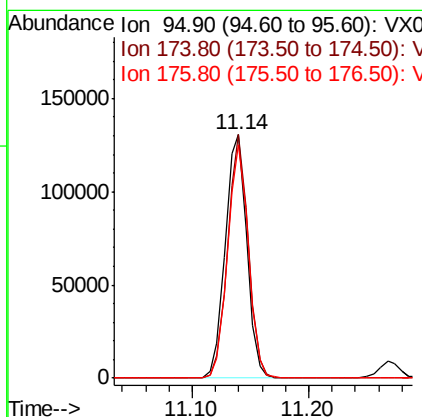
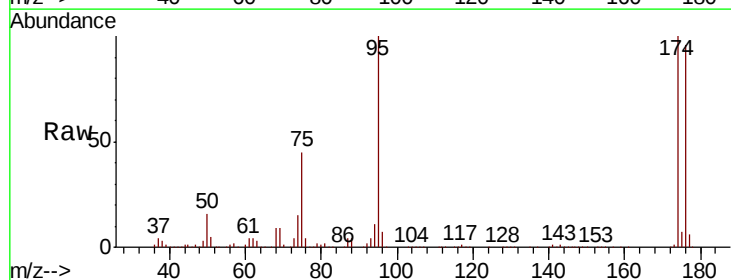
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#62
 4-Bromofluorobenzene
 Concen: 47.63 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	185.2
176	92.8	0.0	178.6





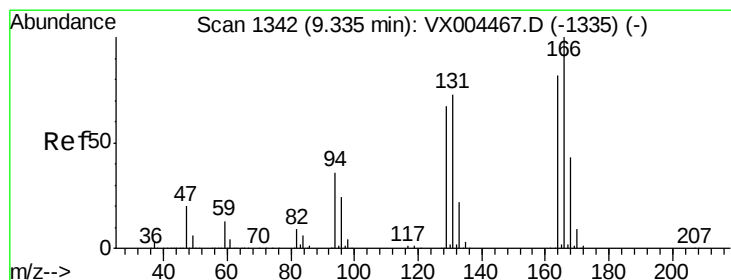
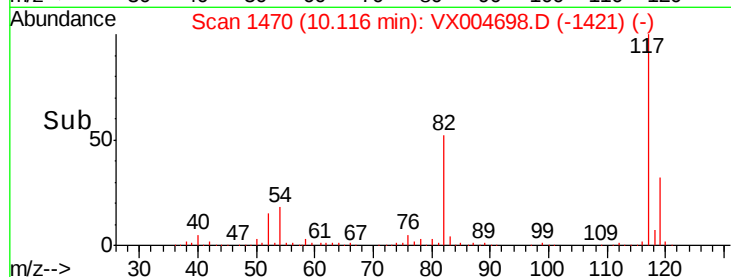
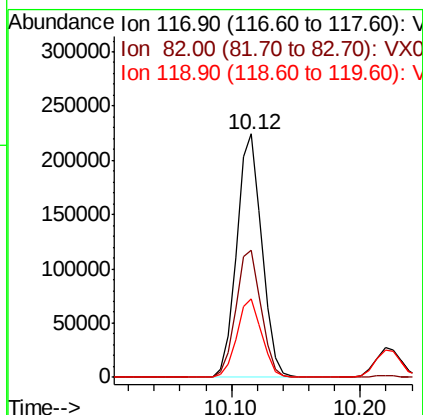
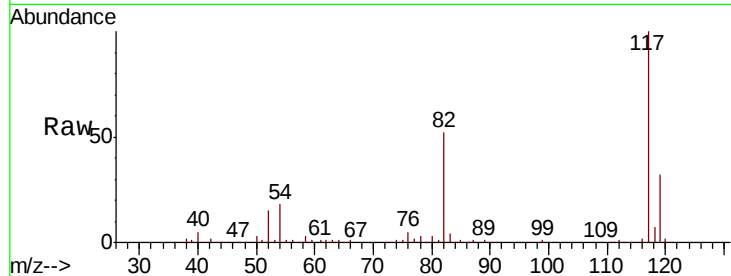
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	47.8	71.6
119	32.4	29.3	43.9

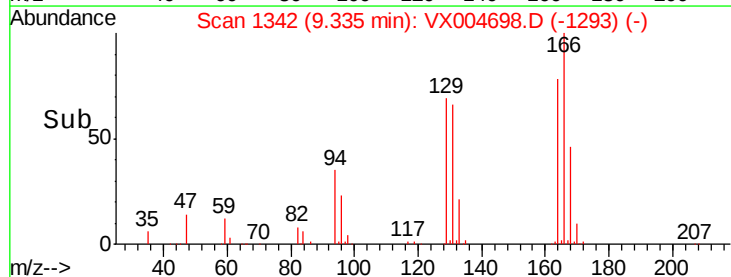
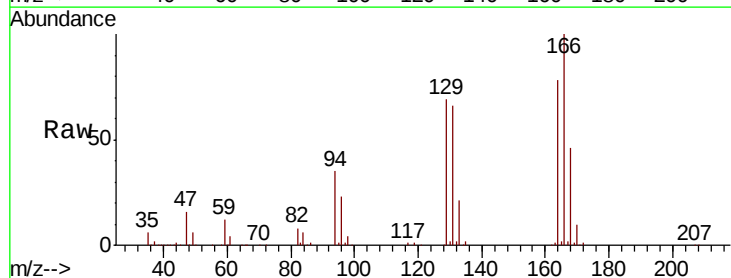
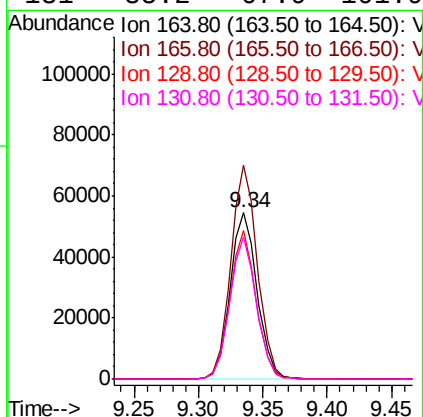
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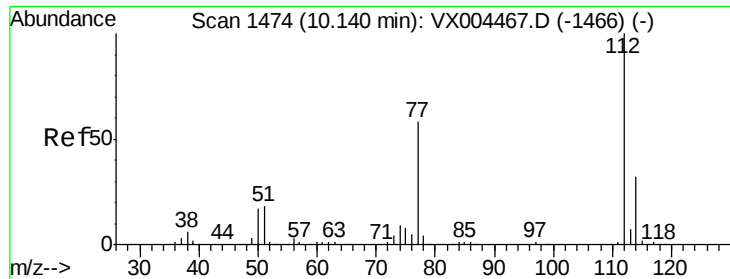
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#64
Tetrachloroethene
Concen: 20.97 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	89.0	69.4	104.0
131	85.2	67.9	101.9





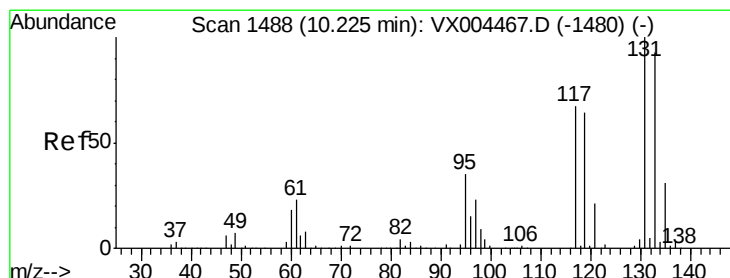
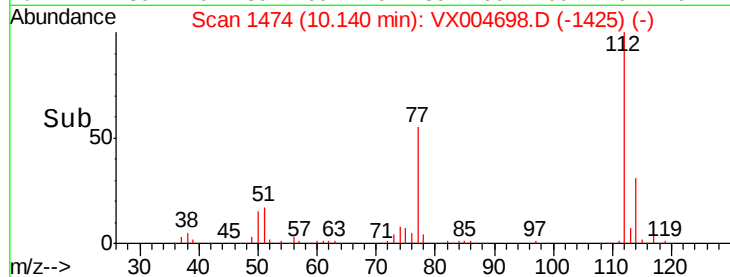
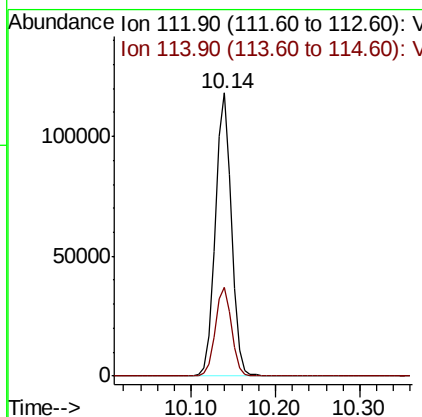
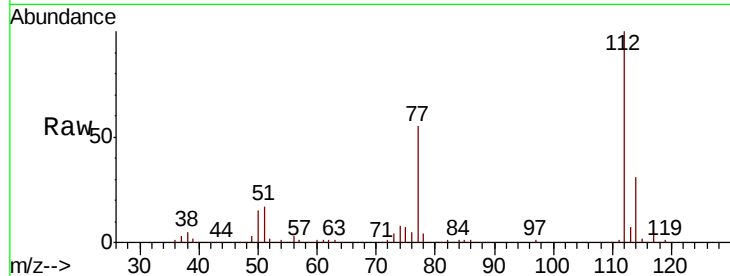
#65
Chlorobenzene
Concen: 20.79 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion:112 Resp: 156630
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.8

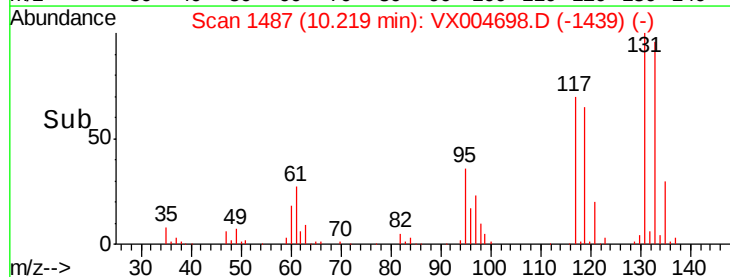
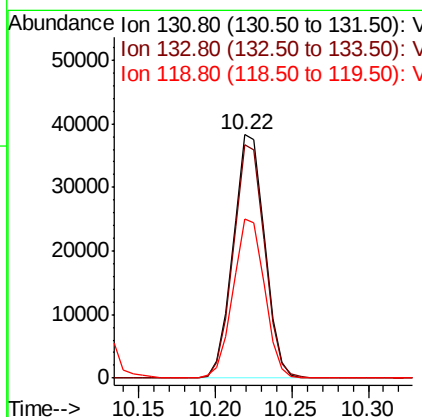
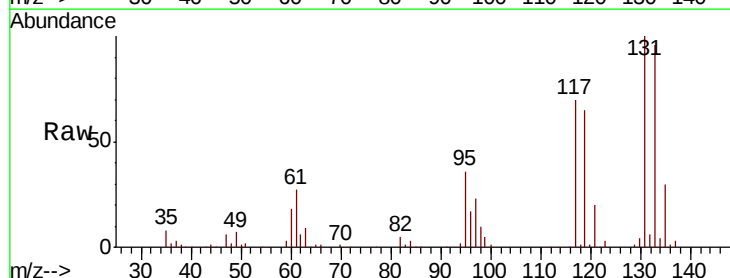
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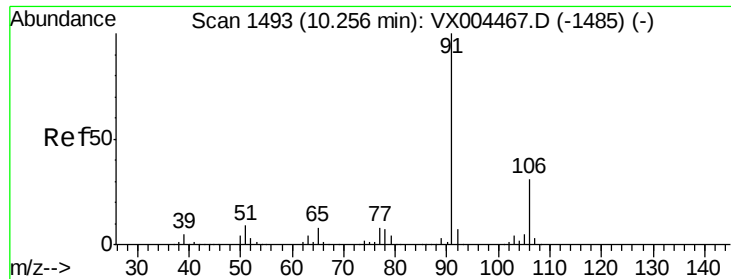
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.01 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:131 Resp: 54583
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.5 32.9 98.6





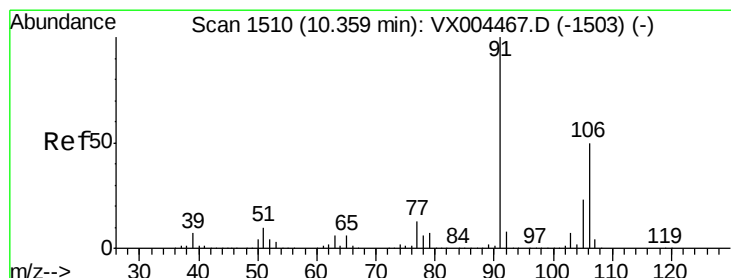
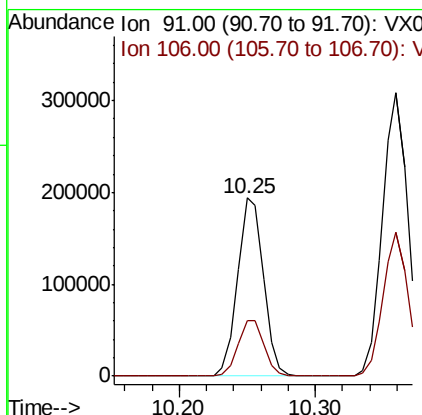
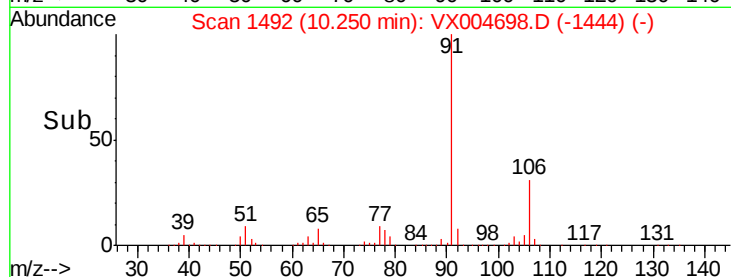
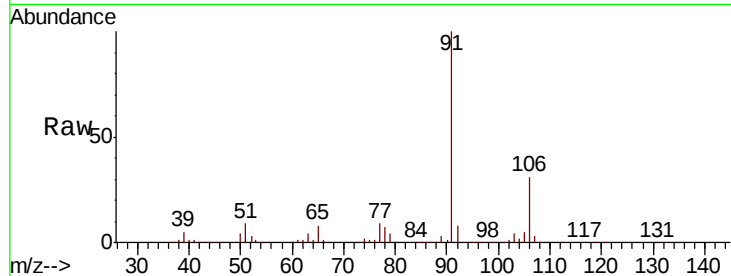
#67
Ethyl Benzene
Concen: 21.04 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion: 91 Resp: 257792
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9

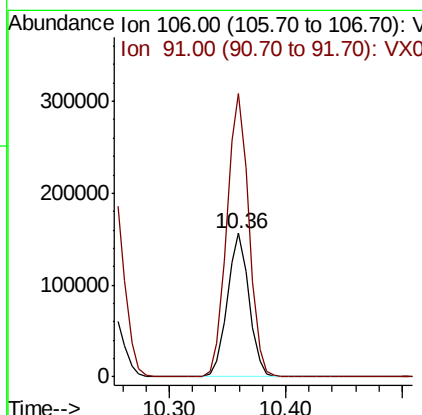
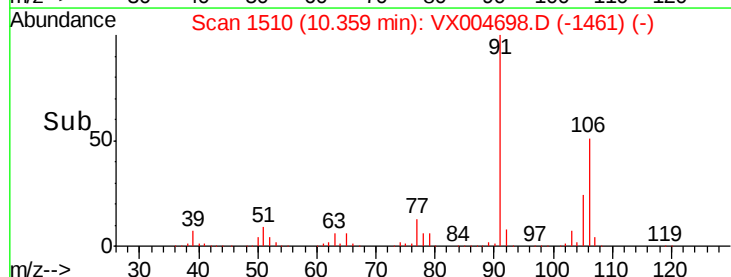
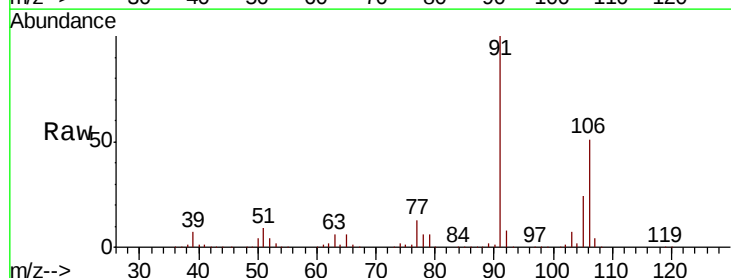
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#68
m/p-Xylenes
Concen: 42.86 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 106 Resp: 202266
Ion Ratio Lower Upper
106 100
91 200.1 157.1 235.7





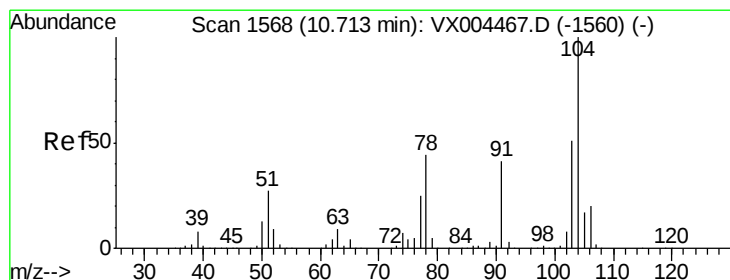
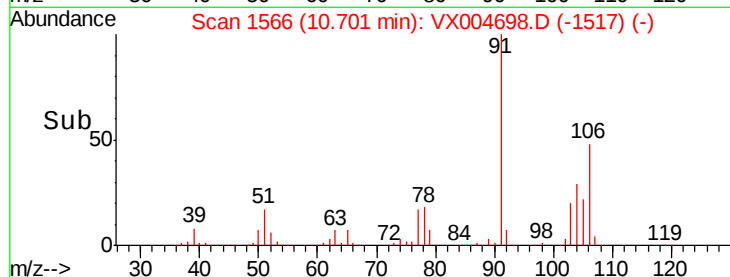
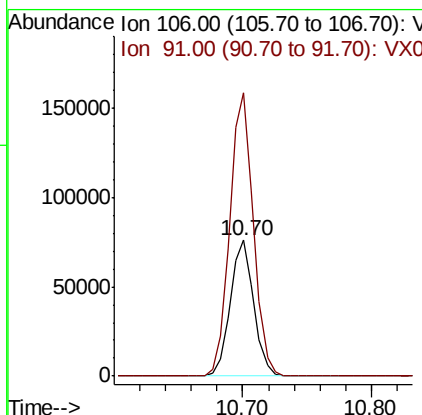
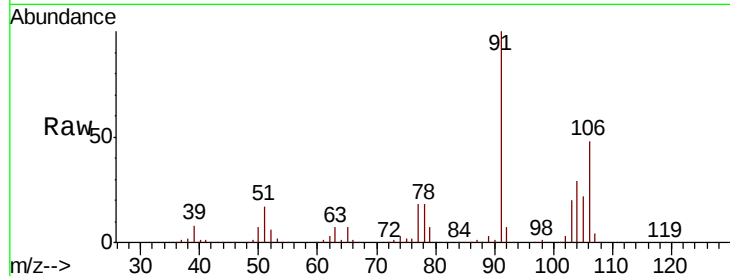
#69
o-Xylene
Concen: 21.36 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	105.1	315.1

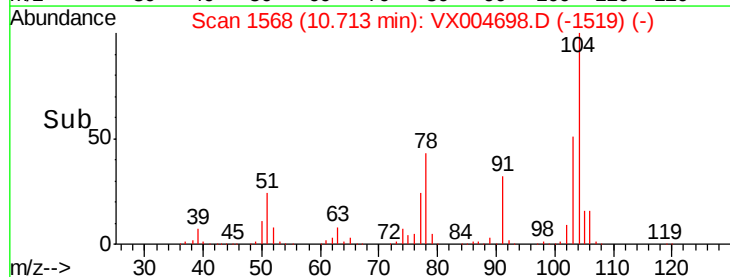
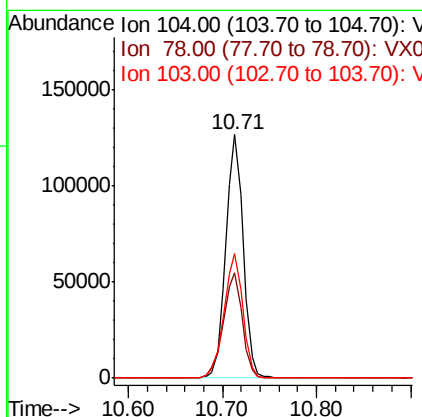
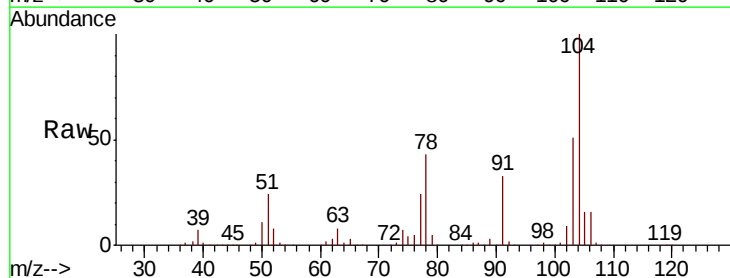
Manual Integrations
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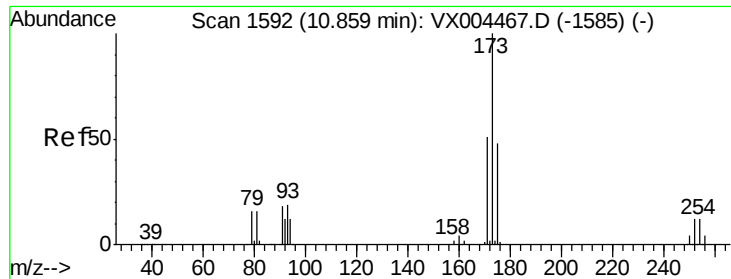
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#70
Styrene
Concen: 21.67 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.4	56.0
103	55.3	43.8	65.6





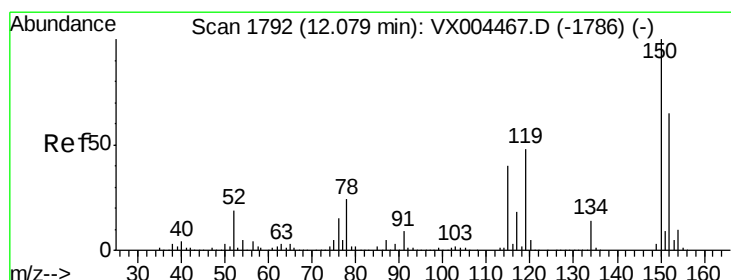
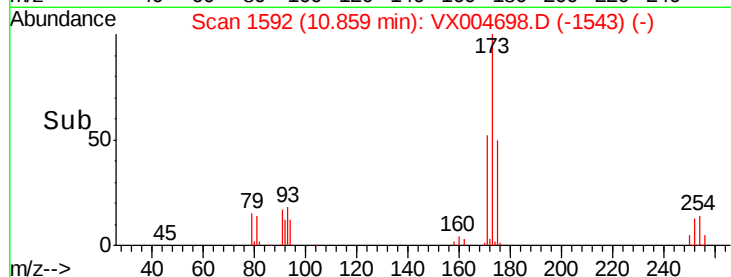
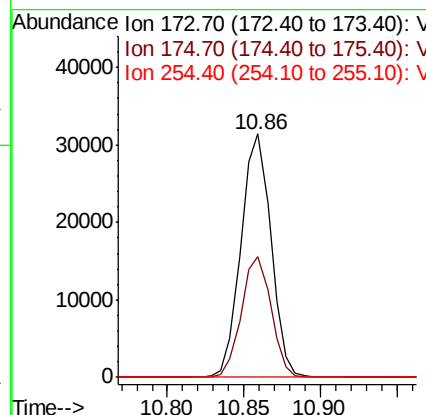
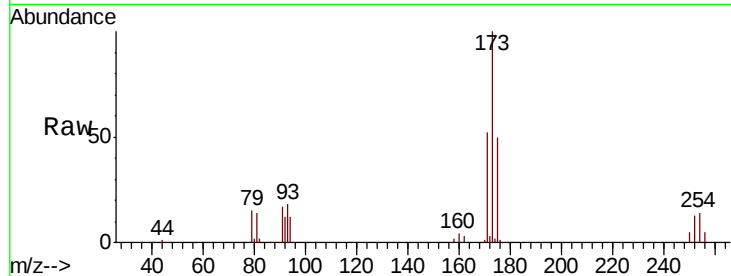
#71
Bromoform
Concen: 20.05 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.3
254	0.0	0.2	0.2

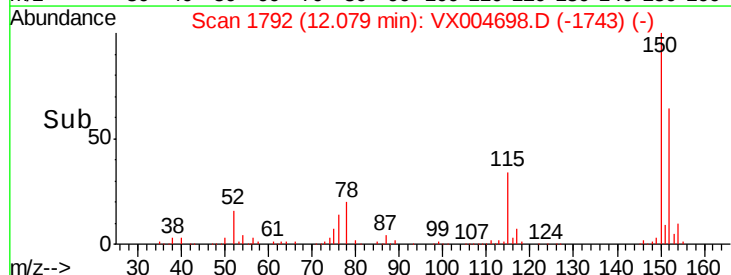
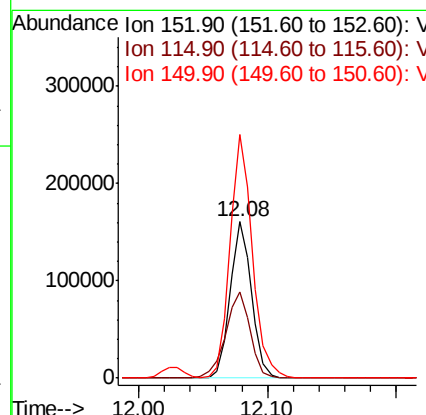
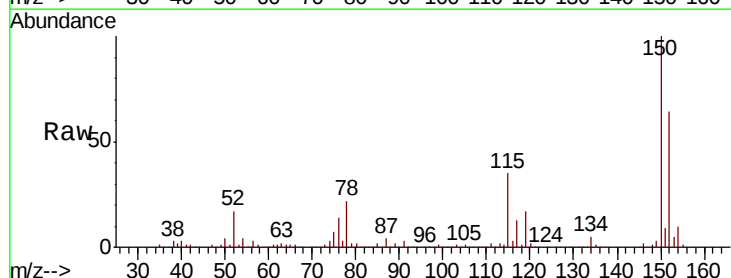
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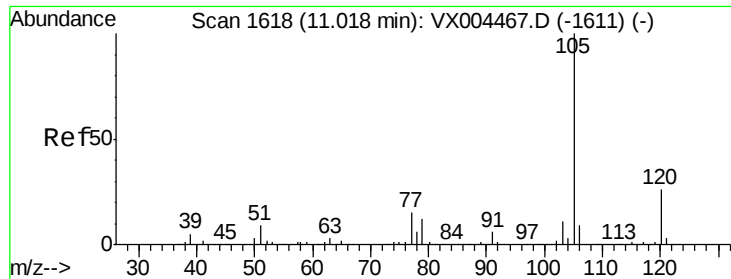
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	39.0	117.0
150	163.1	0.0	351.0





#73

Isopropylbenzene

Concen: 21.62 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

VX0919WBS01

Tot Ion: 105 Resp: 267338

Ion Ratio Lower Upper

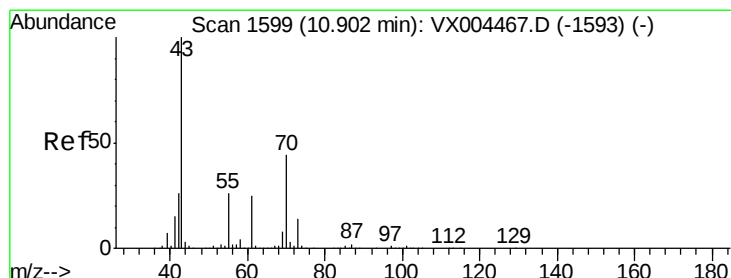
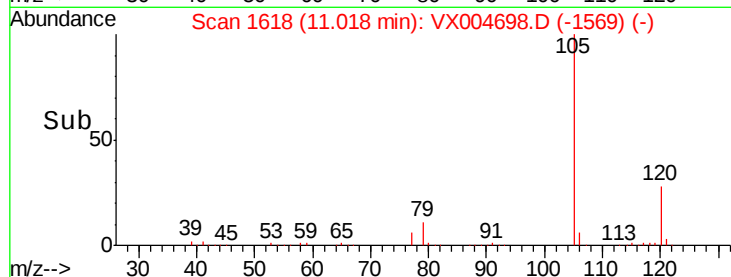
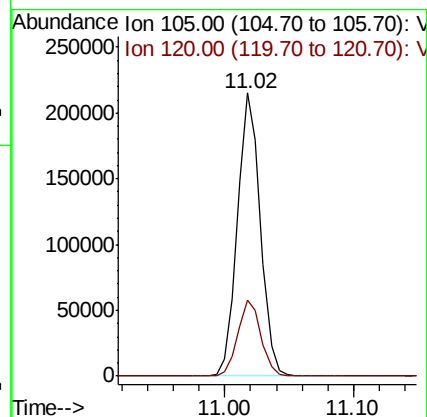
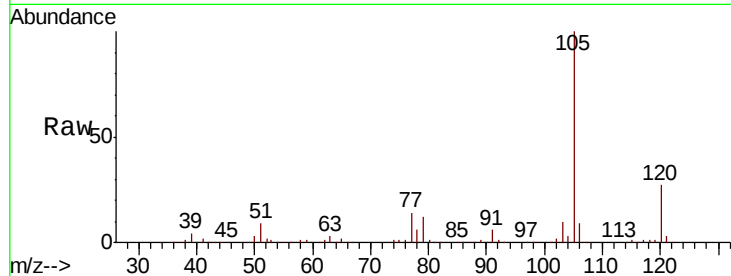
105 100

120 27.1 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.18 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion: 43 Resp: 99783

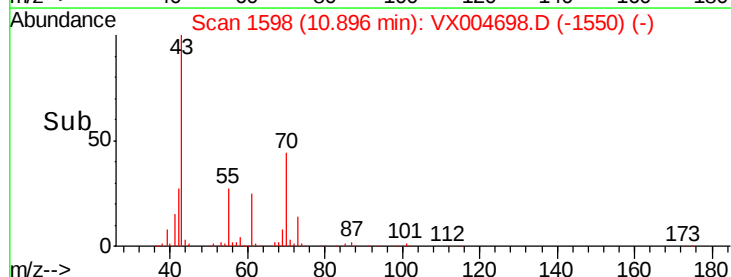
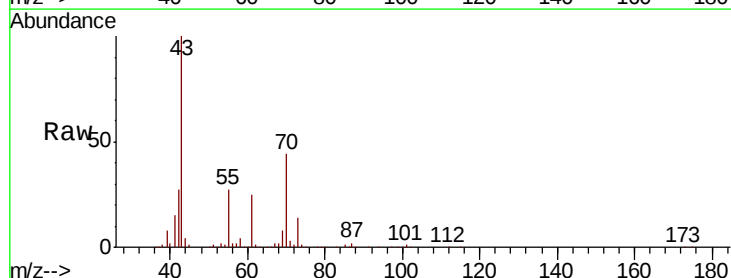
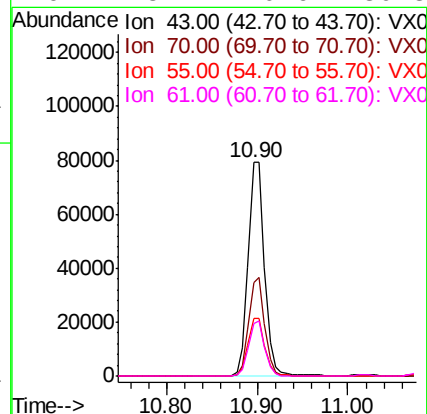
Ion Ratio Lower Upper

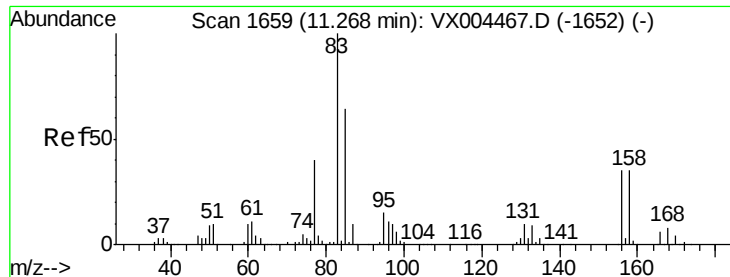
43 100

70 44.7 37.4 56.0

55 27.6 21.8 32.8

61 25.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.57 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

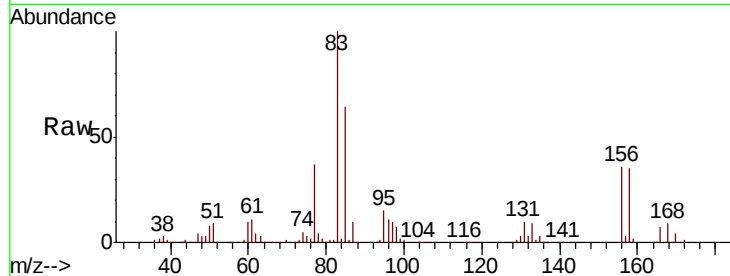
ClientSampleId :

VX0919WBS01

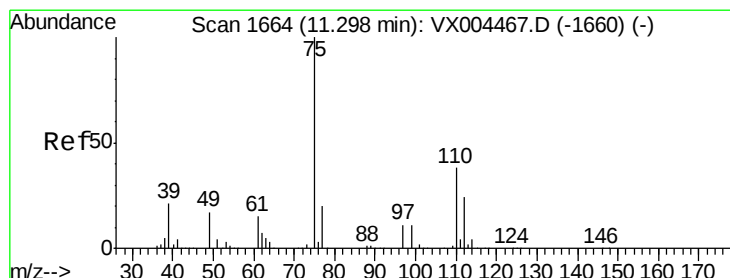
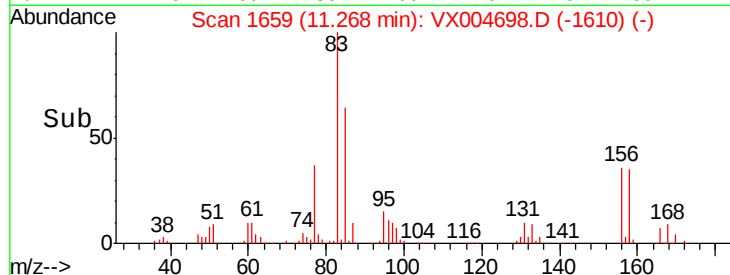
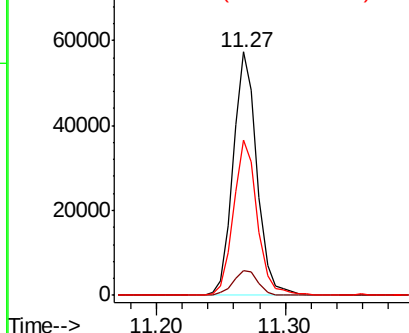
Tot Ion:	83	Resp:	74061
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	63.7	32.3	96.8

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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: 19.92 ug/l m

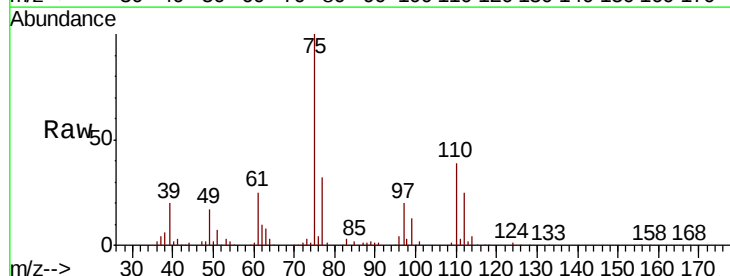
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

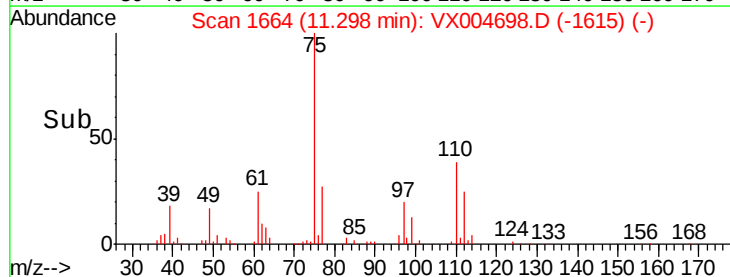
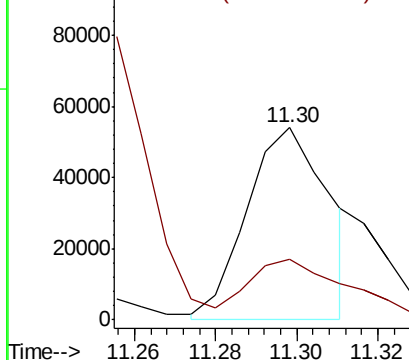
Lab File: VX004698.D

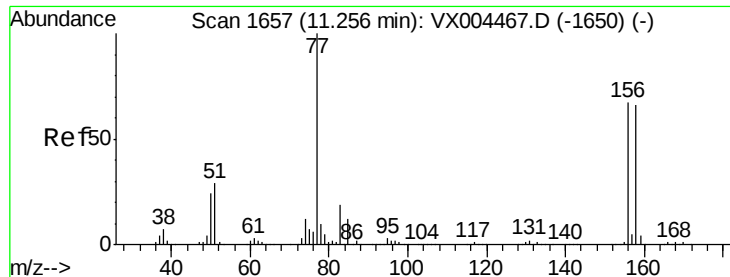
Acq: 19 Sep 2018 11:53

Tgt Ion:	75	Resp:	75229
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.89 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion:156 Resp: 71391

Ion Ratio Lower Upper

156 100

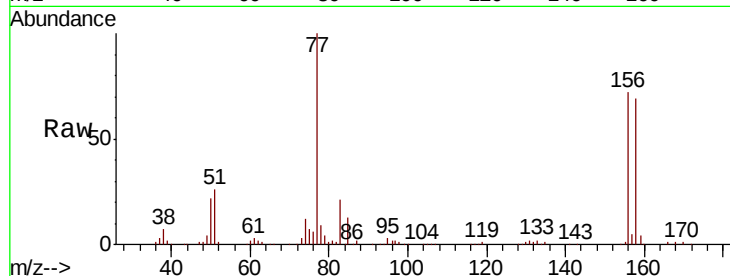
77 142.1 71.5 214.3

158 98.5 48.9 146.8

Manual Integrations
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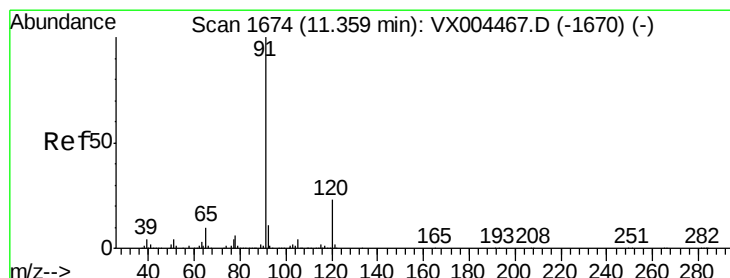
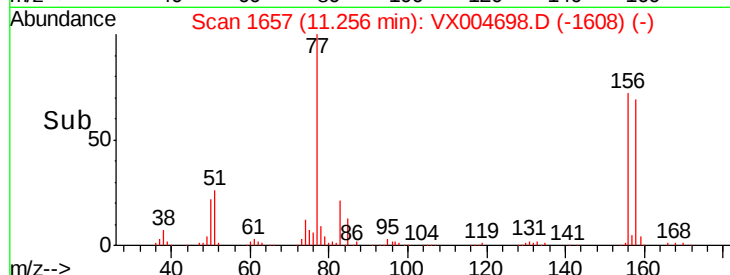
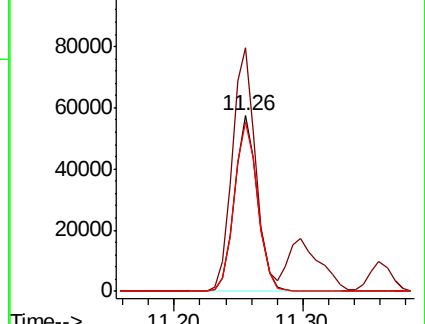
9/20/2018 1:42:35 PM



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: 21.57 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004698.D

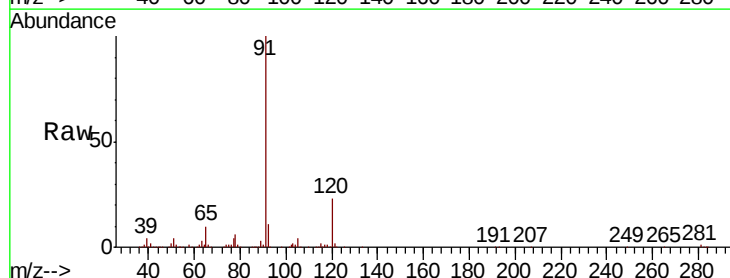
Acq: 19 Sep 2018 11:53

Tgt Ion: 91 Resp: 306562

Ion Ratio Lower Upper

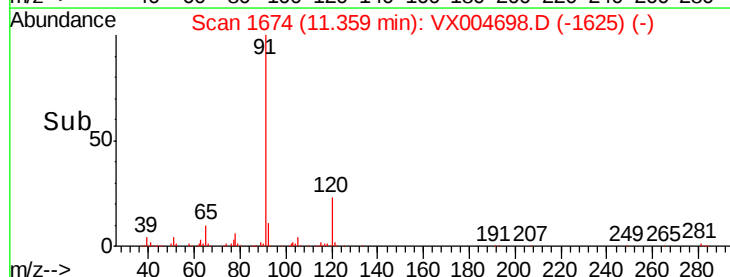
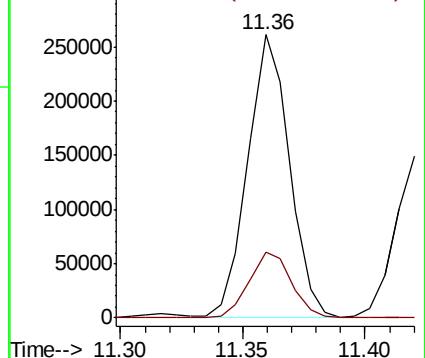
91 100

120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.93 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 91 Resp: 180481

Ion Ratio Lower Upper

91 100

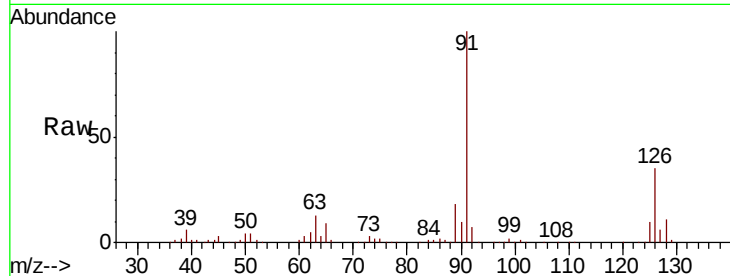
126 35.8 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

300000

250000

200000

150000

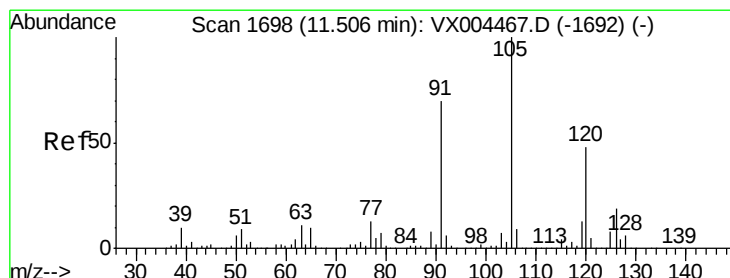
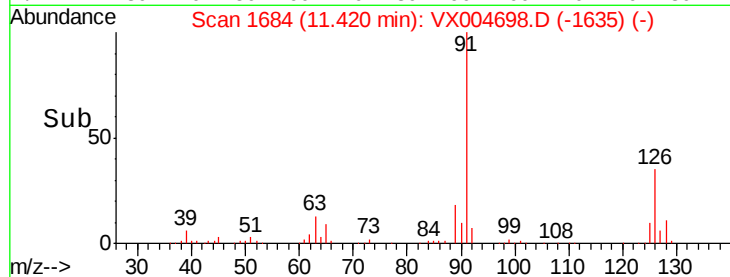
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.71 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004698.D

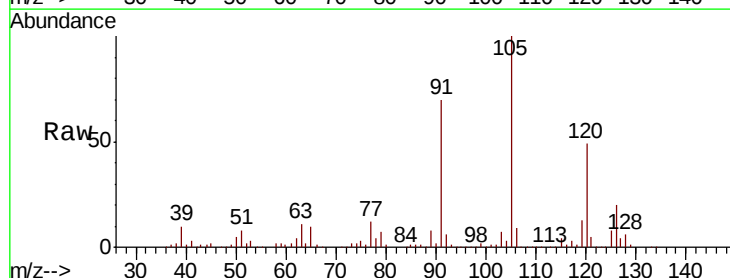
Acq: 19 Sep 2018 11:53

Tgt Ion:105 Resp: 225651

Ion Ratio Lower Upper

105 100

120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

200000

150000

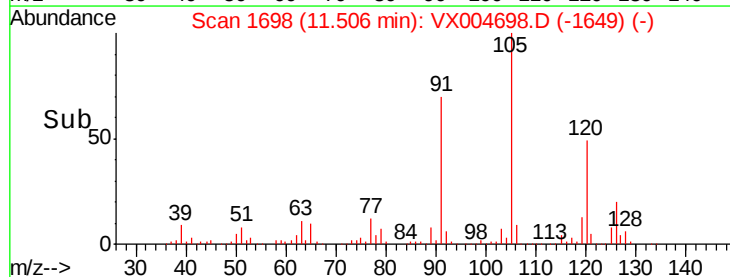
100000

50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.82 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 75 Resp: 23482

Ion Ratio Lower Upper

75 100

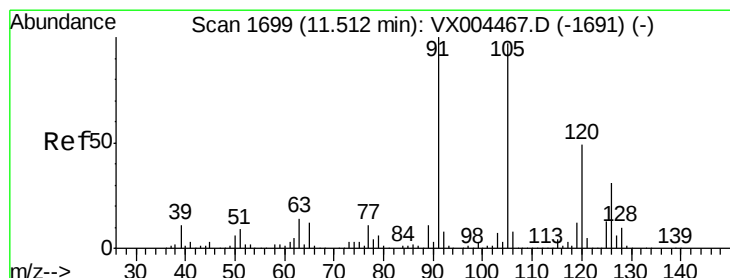
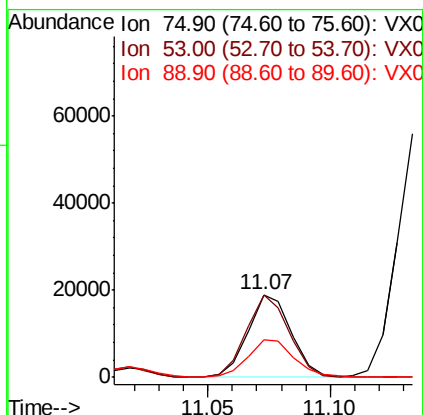
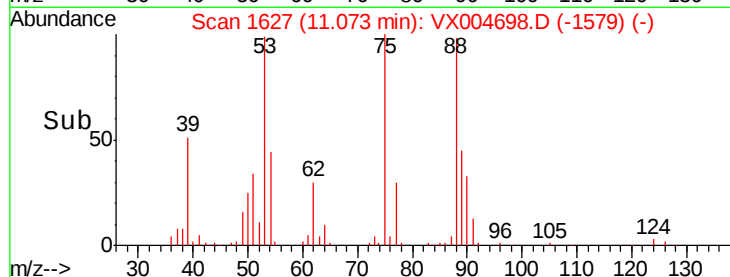
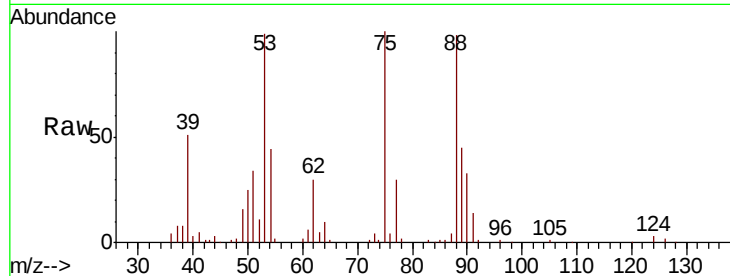
53 98.3 80.1 120.1

89 48.3 37.2 55.8

Manual Integrations
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9/20/2018 1:42:35 PM



#82

4-Chlorotoluene

Concen: 21.03 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004698.D

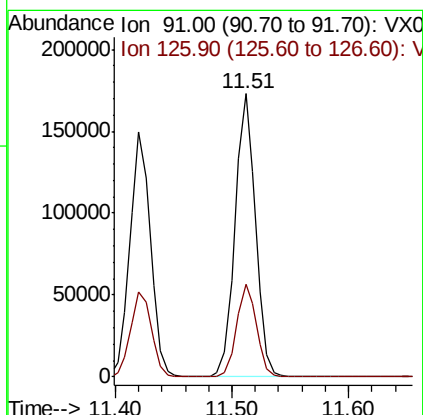
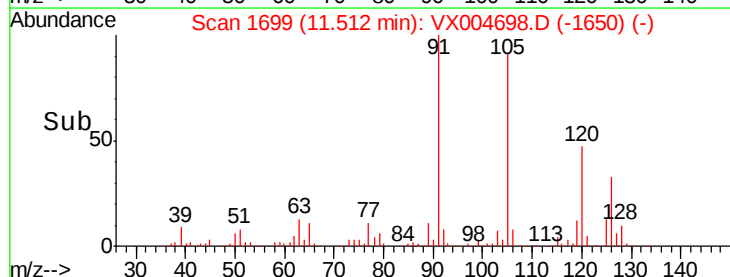
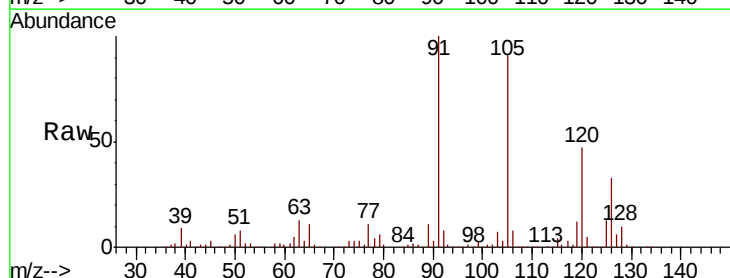
Acq: 19 Sep 2018 11:53

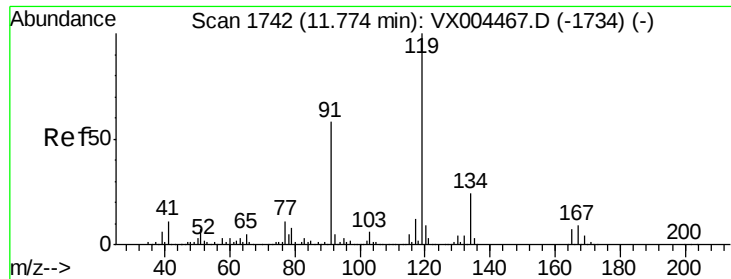
Tgt Ion: 91 Resp: 211582

Ion Ratio Lower Upper

91 100

126 32.0 15.5 46.5





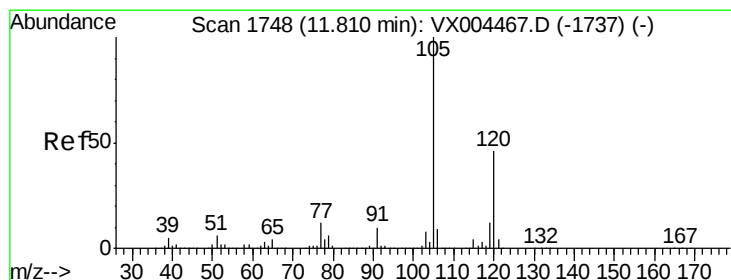
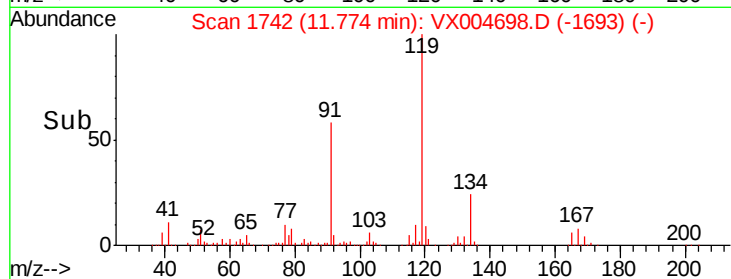
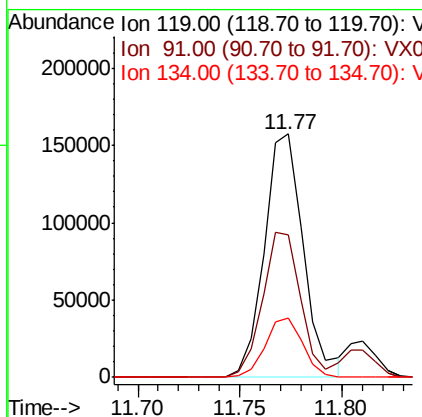
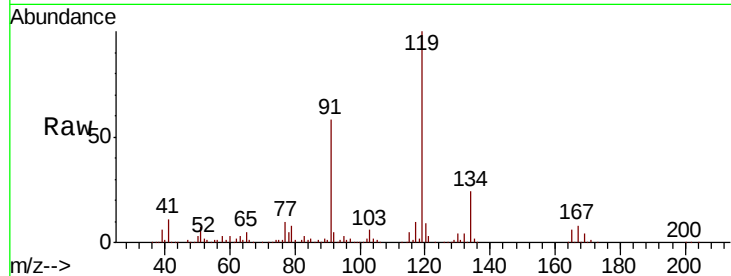
#83
tert-Butylbenzene
Concen: 21.32 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210985		
91	57.8		27.0	81.0
134	23.6		11.7	35.1

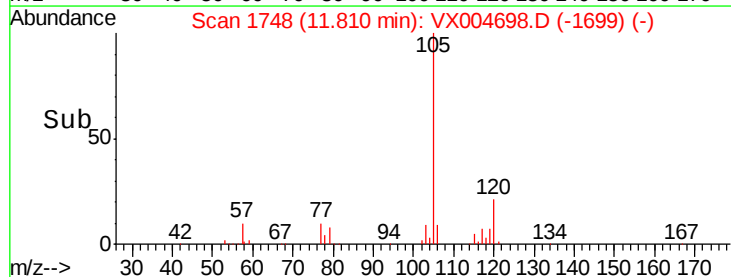
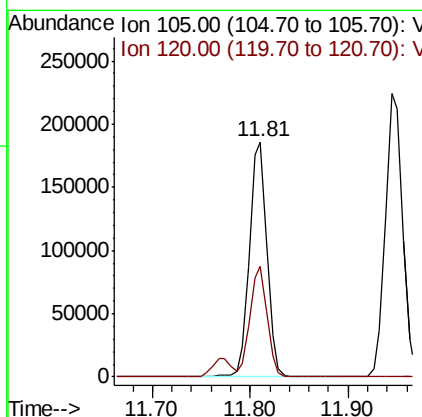
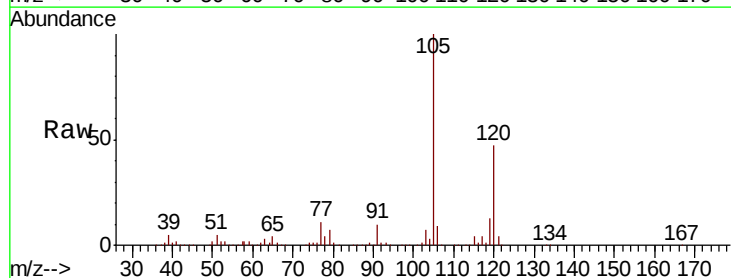
Manual Integrations
APPROVED

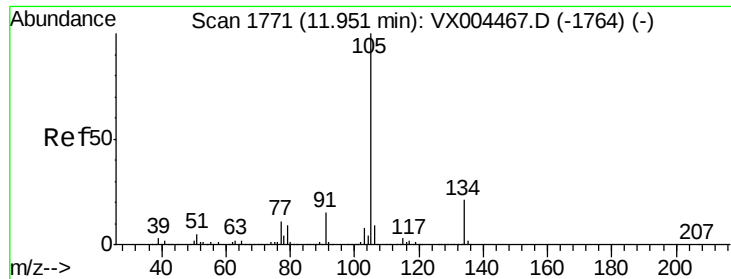
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.74 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230638		
120	45.8		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.77 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion:105 Resp: 274545

Ion Ratio Lower Upper

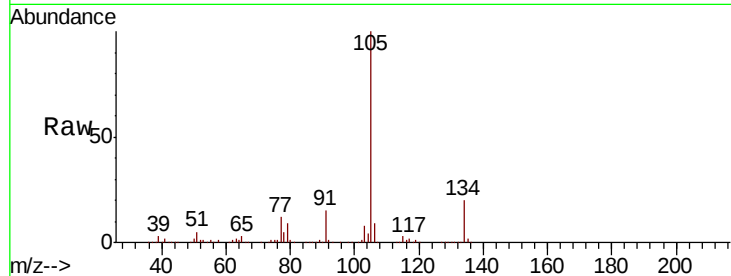
105 100

134 20.8 10.5 31.5

Manual Integrations
APPROVED

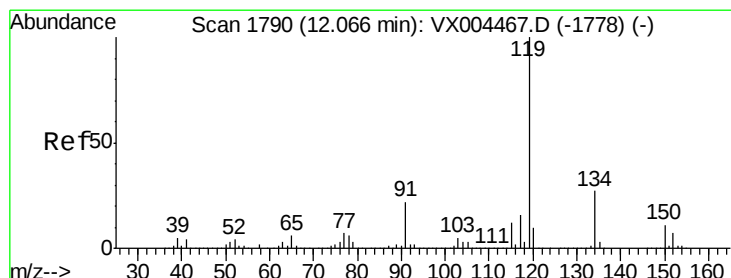
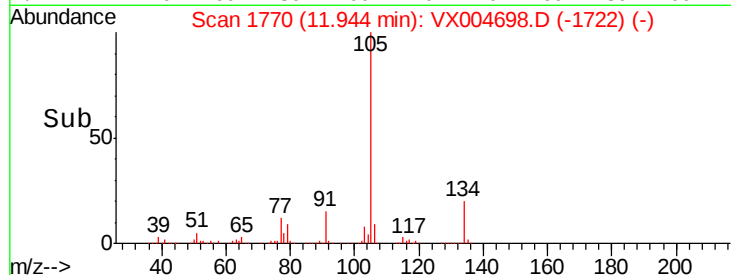
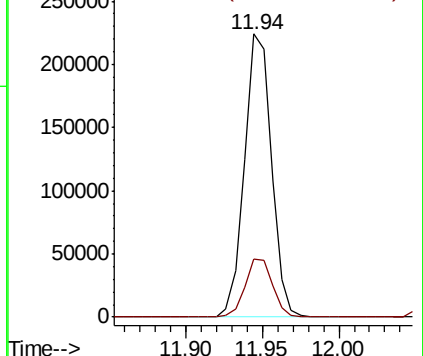
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.28 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

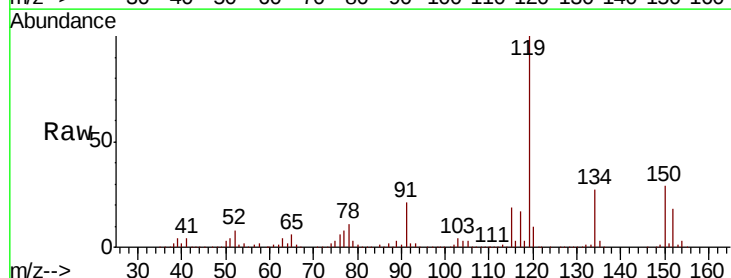
Tgt Ion:119 Resp: 248035

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

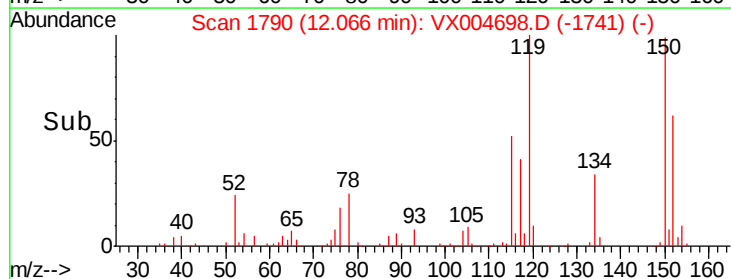
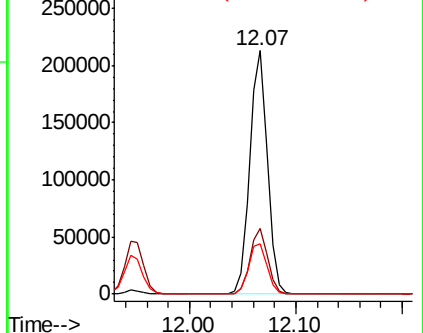
91 21.8 10.9 32.7

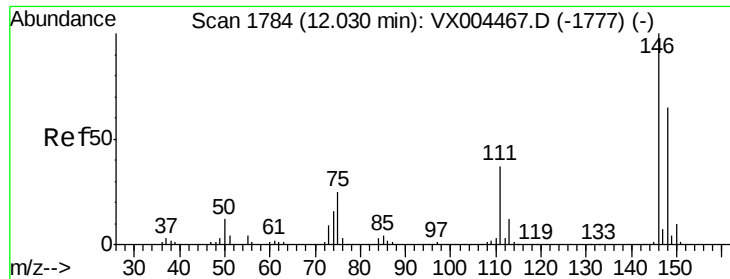


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





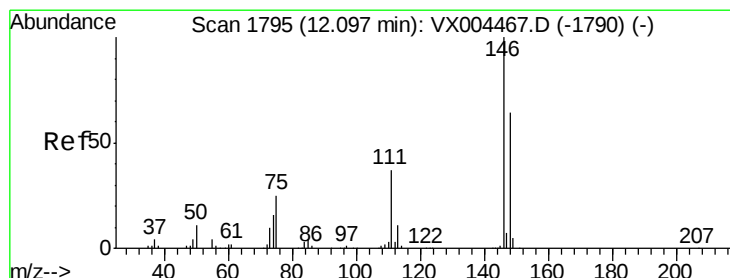
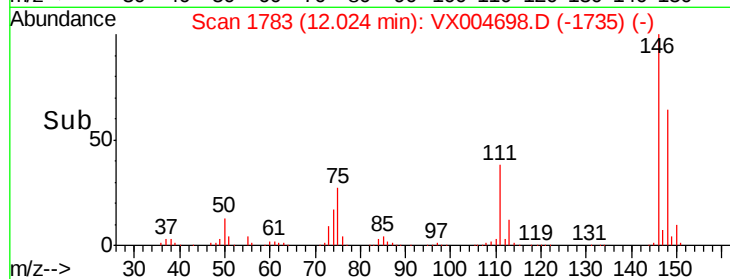
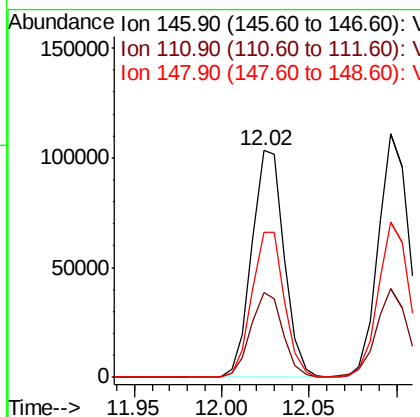
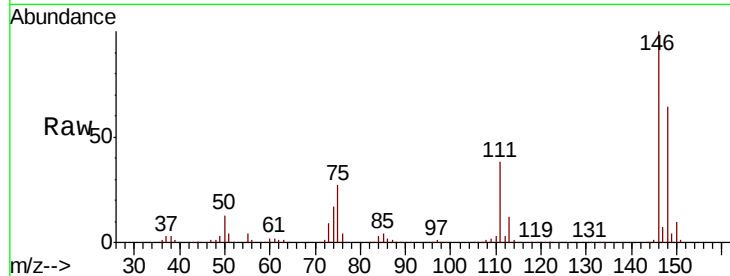
#87
 1,3-Dichlorobenzene
 Concen: 21.09 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.1	32.1	96.5

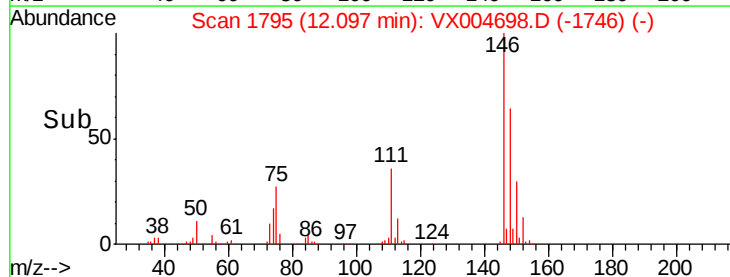
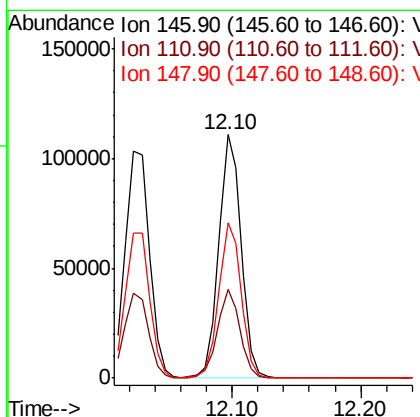
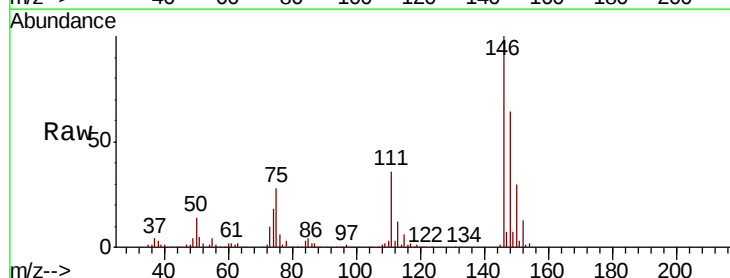
Manual Integrations
 APPROVED

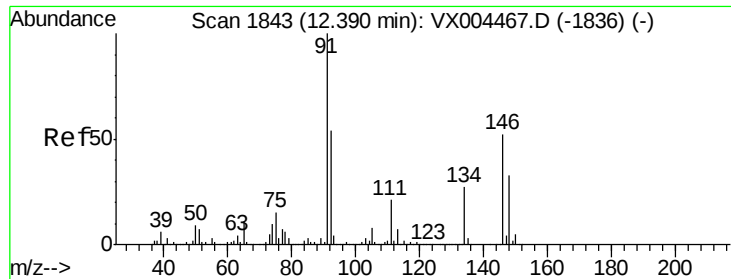
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 9/20/2018 1:42:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.9	32.0	96.0





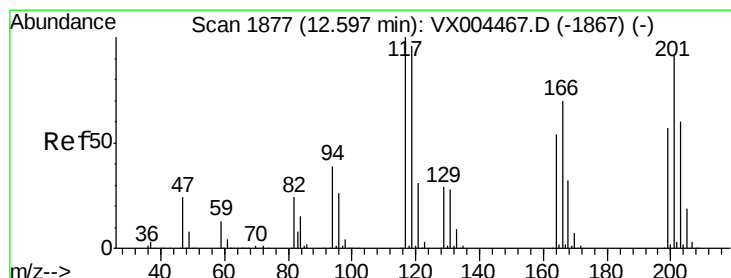
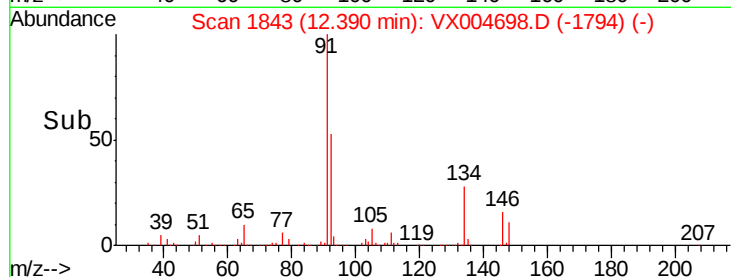
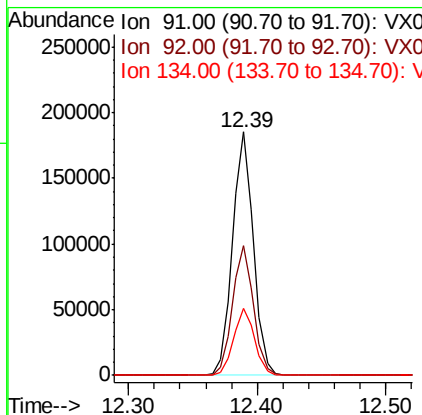
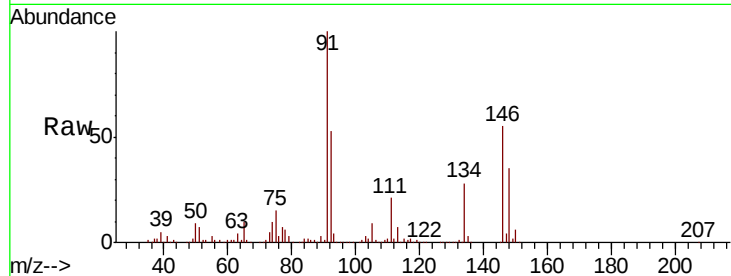
#89
n-Butylbenzene
Concen: 20.82 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	211227		
92	53.0	27.3	81.9	
134	27.7	13.6	40.7	

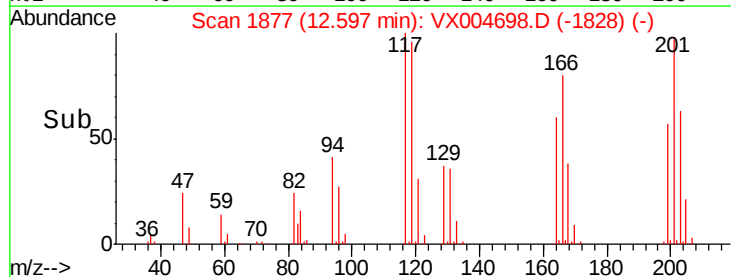
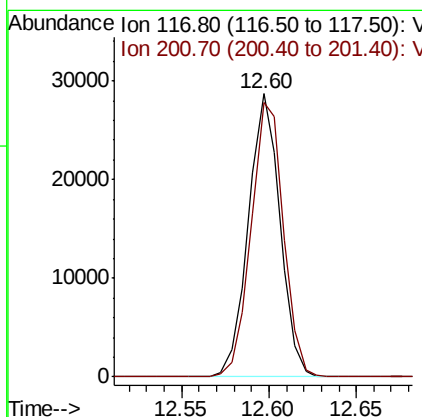
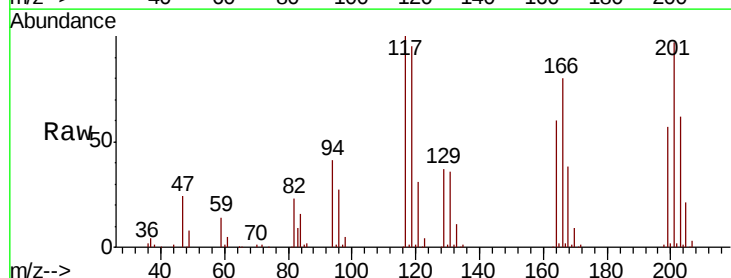
Manual Integrations
APPROVED

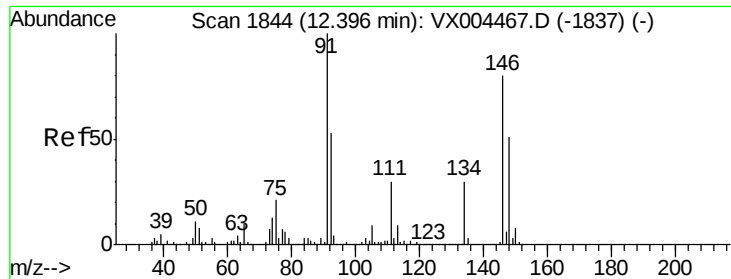
MMDadoda
9/20/2018 1:42:35 PM



#90
Hexachloroethane
Concen: 20.33 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36232		
201	99.2	46.9	140.6	





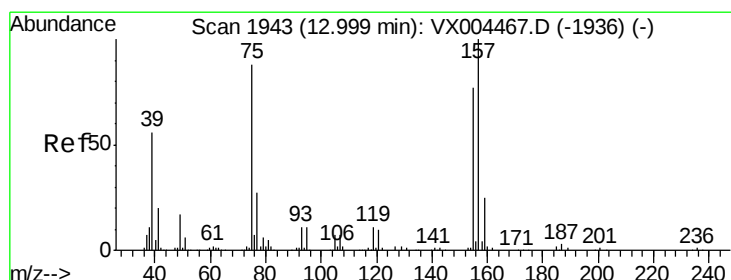
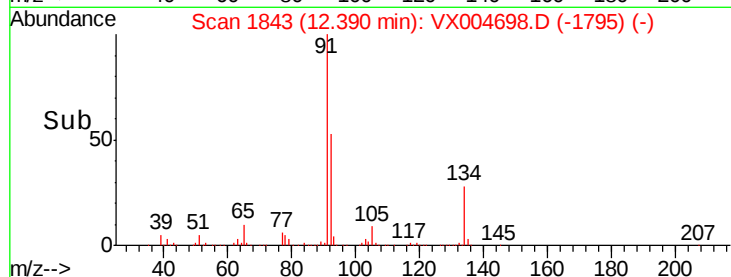
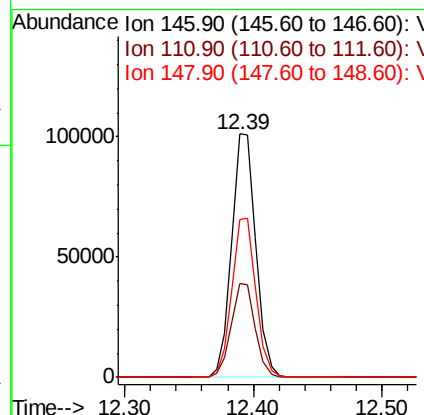
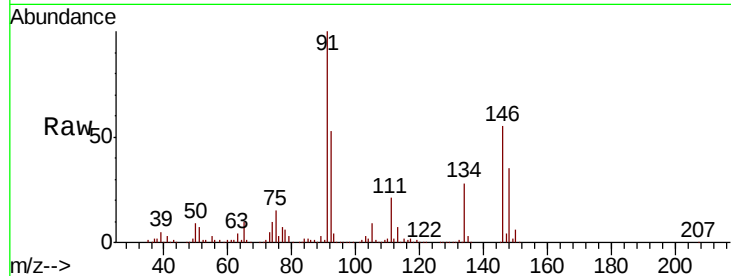
#91
 1,2-Dichlorobenzene
 Concen: 20.74 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.9	32.8	98.3

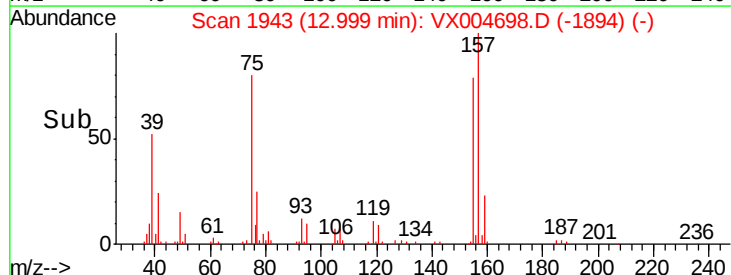
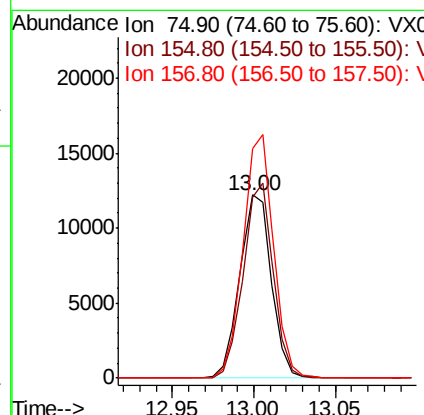
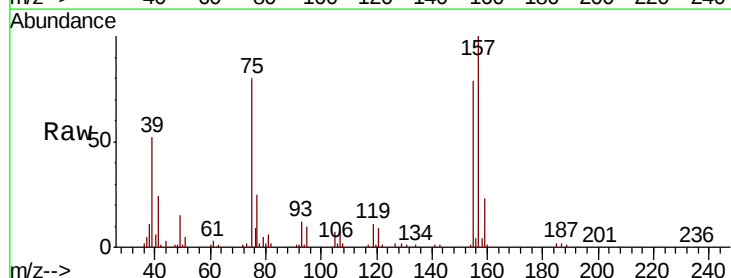
Manual Integrations
 APPROVED

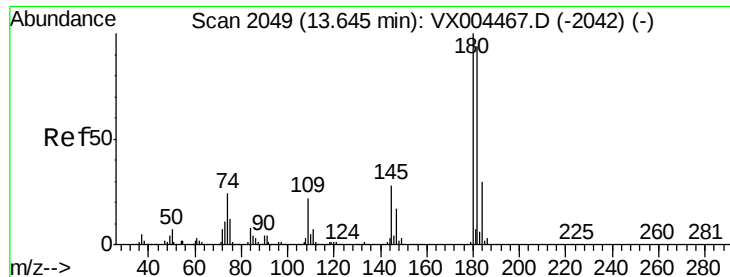
MMDadoda
 9/20/2018 1:42:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.35 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	48.0	144.2
157	128.1	61.4	184.1





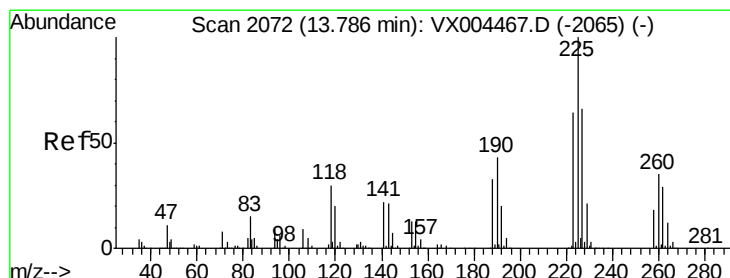
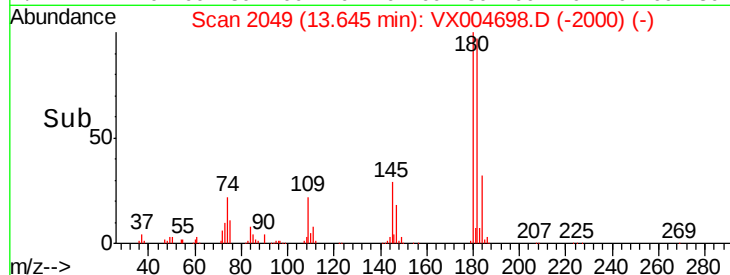
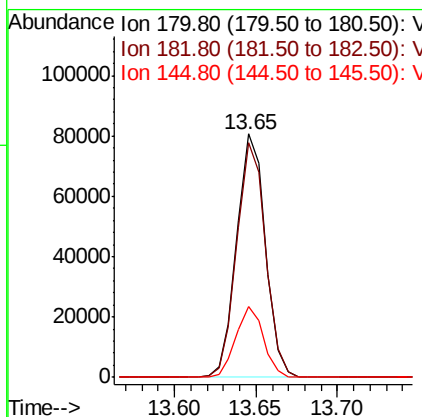
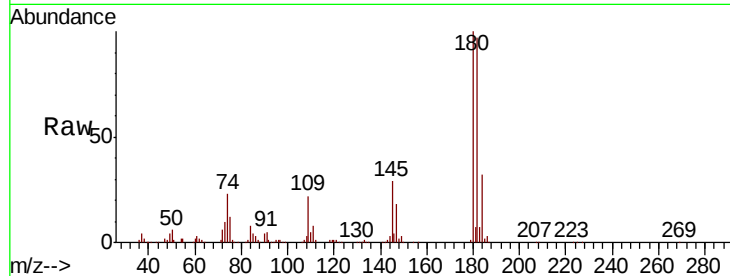
#93
 1,2,4-Trichlorobenzene
 Concen: 21.67 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0919WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	99037		
182	96.6	48.4	145.0	
145	27.9	14.3	42.9	

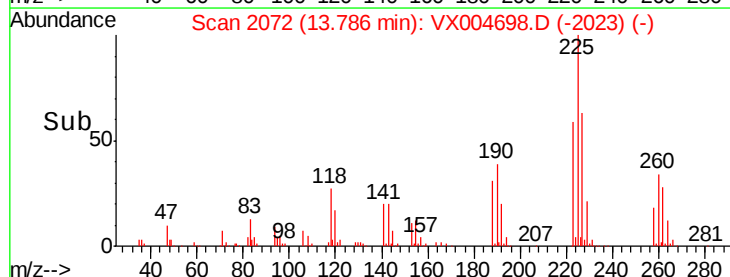
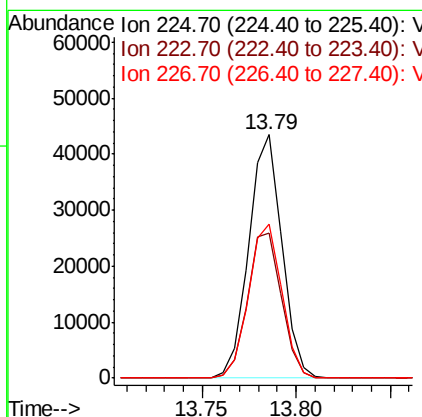
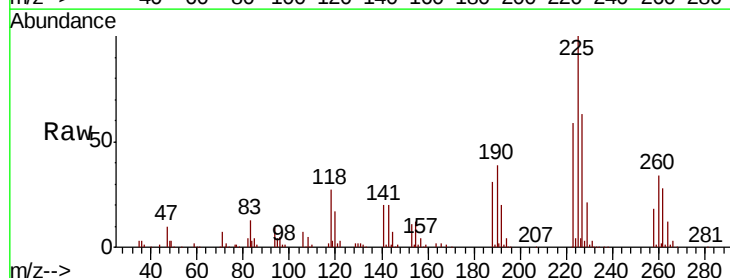
Manual Integrations
 APPROVED

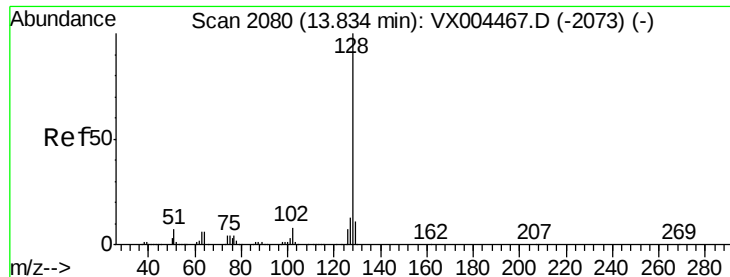
MMDadoda
 9/20/2018 1:42:35 PM



#94
 Hexachlorobutadiene
 Concen: 22.17 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52915		
223	61.4	30.1	90.5	
227	63.8	30.8	92.4	





#95

Naphthalene

Concen: 21.44 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

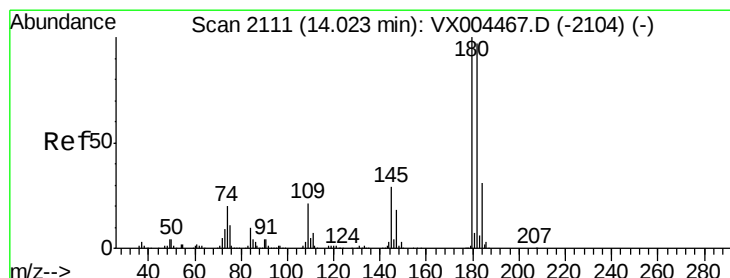
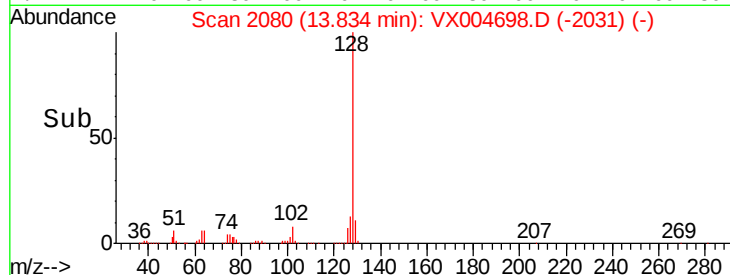
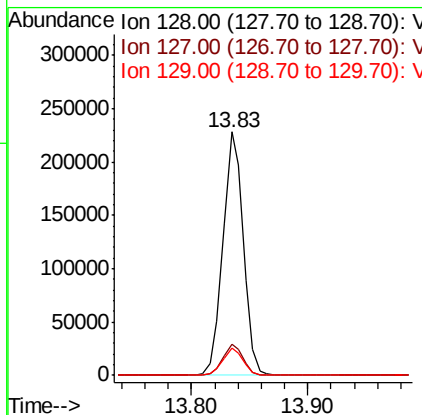
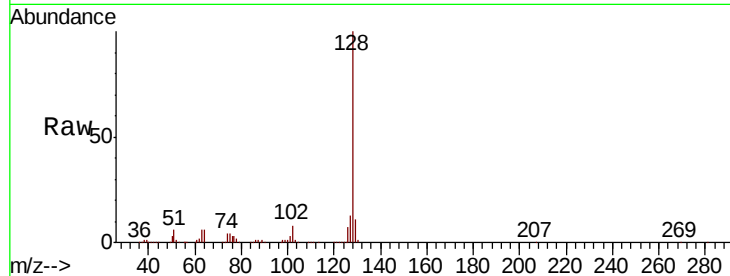
ClientSampleId :

VX0919WBS01

Tot Ion:	128	Resp:	274792
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2018 1:42:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.76 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion:	180	Resp:	102160
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.5	145.6
145	28.9	14.9	44.9

