

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX004970.D
 Acq On : 03 Oct 2018 15:46
 Operator : JC/MD
 Sample : VX1004WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Manual Integrations
 APPROVED

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 10/5/2018 3:24:44 PM

Quant Time: Oct 04 01:40:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	268598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217319	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	177724	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	5.50	113	147608	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	8.71	98	570821	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
62) 4-Bromofluorobenzene	11.14	95	211869	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	76102	20.780	ug/l	99
3) Chloromethane	1.32	50	81772	18.404	ug/l	98
4) Vinyl Chloride	1.40	62	81637	19.590	ug/l	99
5) Bromomethane	1.64	94	43376	17.553	ug/l	93
6) Chloroethane	1.71	64	47605	19.544	ug/l	95
7) Trichlorofluoromethane	1.93	101	104909	20.335	ug/l	95
8) Diethyl Ether	2.19	74	43755	19.523	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62128	21.141	ug/l	99
10) Methyl Iodide	2.51	142	51730	13.154	ug/l	93
11) Tert butyl alcohol	3.07	59	114544	106.767	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58009	19.932	ug/l	99
13) Acrolein	2.29	56	25440	33.328	ug/l	92
14) Allyl chloride	2.73	41	128031	20.162	ug/l	97
15) Acrylonitrile	3.15	53	242195	102.550	ug/l	96
16) Acetone	2.45	43	225094	100.485	ug/l	92
17) Carbon Disulfide	2.57	76	152854	17.479	ug/l	100
18) Methyl Acetate	2.78	43	131505	23.171	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	215579	21.475	ug/l	96
20) Methylene Chloride	2.85	84	67794	20.317	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	61160	19.197	ug/l	85
22) Diisopropyl ether	3.87	45	217332	20.325	ug/l	94
23) Vinyl Acetate	3.82	43	945803	96.629	ug/l	99
24) 1,1-Dichloroethane	3.70	63	124313	19.489	ug/l	99
25) 2-Butanone	4.70	43	328924	99.616	ug/l	98
26) 2,2-Dichloropropane	4.58	77	91706	20.646	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	68762	19.320	ug/l	95
28) Bromochloromethane	5.01	49	56689	18.873	ug/l	99
29) Tetrahydrofuran	5.16	42	211145	102.884	ug/l	99
30) Chloroform	5.21	83	112896	18.728	ug/l	98
31) Cyclohexane	5.57	56	103714	21.244	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	96058	19.511	ug/l	95
36) 1,1-Dichloropropene	5.79	75	83497	18.809	ug/l	94
37) Ethyl Acetate	4.86	43	113925	19.334	ug/l	98
38) Carbon Tetrachloride	5.78	117	81975	17.567	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100457	22.162	ug/l	# 84
40) Benzene	6.14	78	257594	18.535	ug/l	97
41) Methacrylonitrile	5.06	41	63933	19.564	ug/l	96
42) 1,2-Dichloroethane	6.20	62	90528	18.427	ug/l	98
43) Isopropyl Acetate	6.46	43	164409	19.331	ug/l	96
44) Trichloroethene	7.21	130	69523	20.350	ug/l	98
45) 1,2-Dichloropropane	7.52	63	68527	20.107	ug/l	97
46) Dibromomethane	7.66	93	43726	20.415	ug/l	99
47) Bromodichloromethane	7.90	83	80772	20.142	ug/l	99
48) Methyl methacrylate	7.78	41	84481	21.885	ug/l	98
49) 1,4-Dioxane	7.76	88	40667	424.041	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	596194	111.333	ug/l	100
52) Toluene	8.79	92	161067	21.092	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	91889	20.277	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	101411	21.365	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	68587	20.504	ug/l	95
56) Ethyl methacrylate	9.18	69	100942	20.394	ug/l	96
57) 1,3-Dichloropropane	9.37	76	113063	20.309	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	284414	107.300	ug/l	99
59) 2-Hexanone	9.50	43	472246	105.826	ug/l	96
60) Dibromochloromethane	9.59	129	65094	19.459	ug/l	99
61) 1,2-Dibromoethane	9.67	107	68976	19.254	ug/l	95
64) Tetrachloroethene	9.34	164	71903	20.301	ug/l	95
65) Chlorobenzene	10.14	112	180840	19.597	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	63007	19.422	ug/l	99
67) Ethyl Benzene	10.26	91	300421	20.506	ug/l	97
68) m/p-Xylenes	10.36	106	236686	41.342	ug/l	96
69) o-Xylene	10.70	106	114006	21.681	ug/l	98
70) Styrene	10.71	104	189027	20.538	ug/l	99
71) Bromoform	10.86	173	50697	18.253	ug/l	# 95
73) Isopropylbenzene	11.02	105	309773	22.615	ug/l	99
74) N-amyl acetate	10.90	43	140801	19.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	107075	19.203	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	99472m	20.422	ug/l	
77) Bromobenzene	11.26	156	82406	20.712	ug/l	100
78) n-propylbenzene	11.36	91	355606	22.626	ug/l	99
79) 2-Chlorotoluene	11.42	91	212222	21.663	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	259637	20.564	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	28896	17.524	ug/l	98
82) 4-Chlorotoluene	11.51	91	249362	21.625	ug/l	100
83) tert-Butylbenzene	11.77	119	255167	22.625	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	270257	20.758	ug/l	99
85) sec-Butylbenzene	11.94	105	312411	22.742	ug/l	100
86) p-Isopropyltoluene	12.07	119	280007	22.498	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	153205	20.622	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	154838	20.190	ug/l	99
89) n-Butylbenzene	12.39	91	247307	21.880	ug/l	100
90) Hexachloroethane	12.60	117	40046	19.326	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	152121	19.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24391	19.922	ug/l	100

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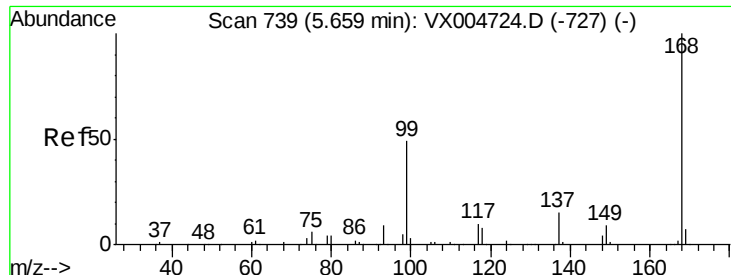
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112838	20.718	ug/l	98
94) Hexachlorobutadiene	13.79	225	58146	20.589	ug/l	99
95) Naphthalene	13.83	128	353879	20.014	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116350	20.680	ug/l	99

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



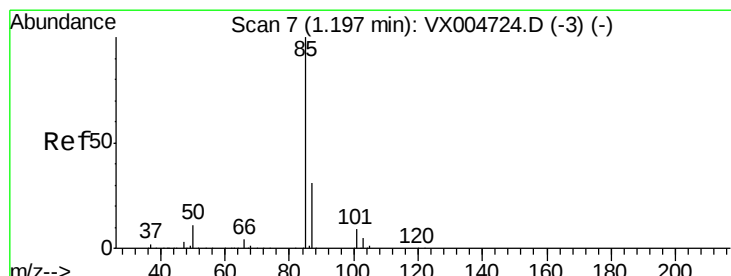
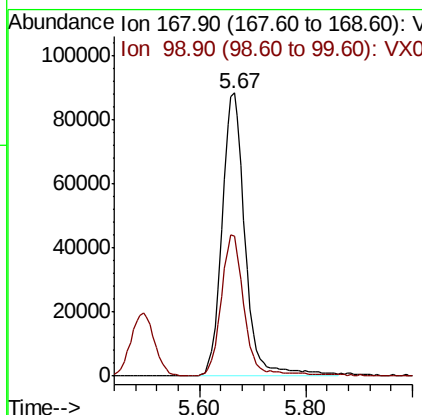
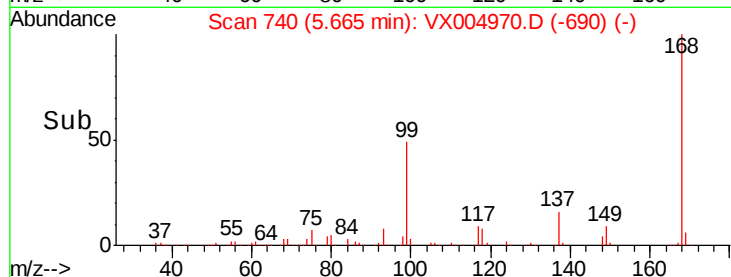
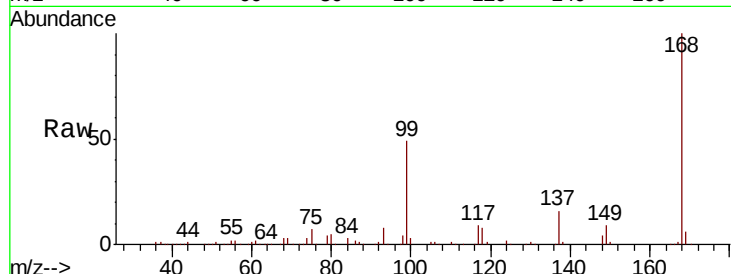
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleID :
VX1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	268598		
99	49.4	39.3	58.9	

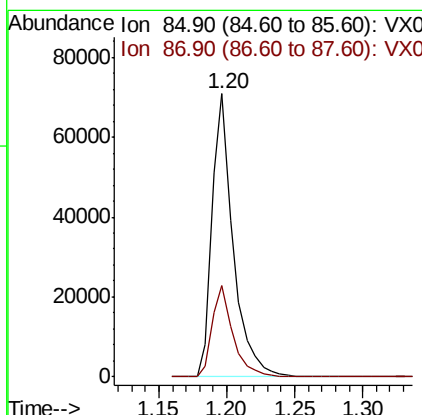
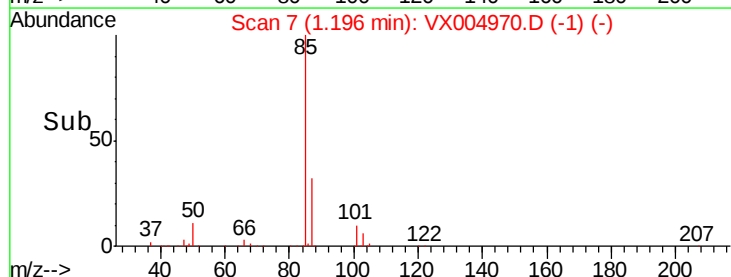
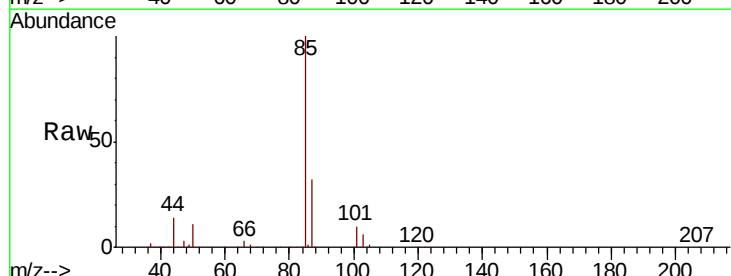
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#2
Dichlorodifluoromethane
Concen: 20.780 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	76102		
87	32.1	15.7	47.1	





#3

Chloromethane

Concen: 18.404 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 50 Resp: 81772

Ion Ratio Lower Upper

50 100

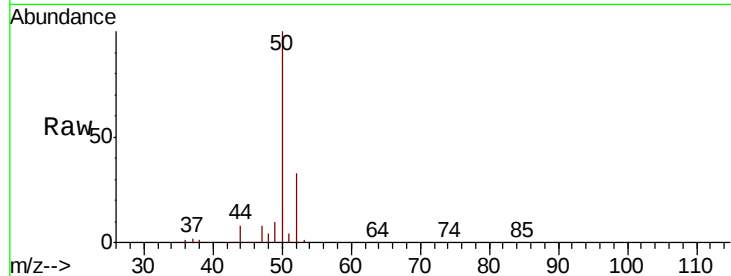
52 33.3 25.8 38.6

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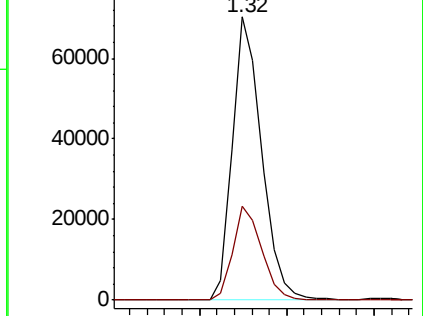
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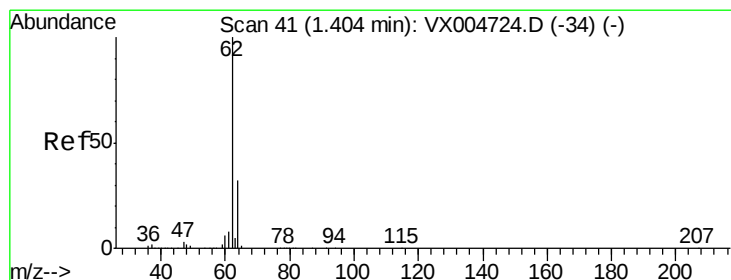
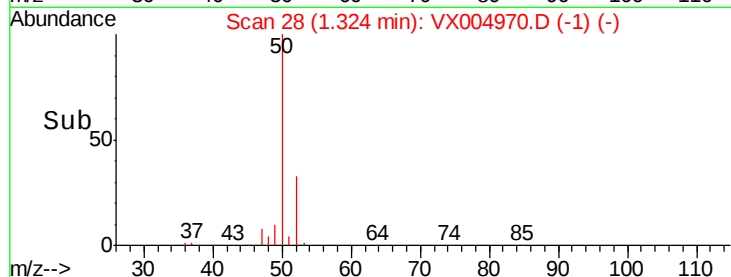


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.590 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004970.D

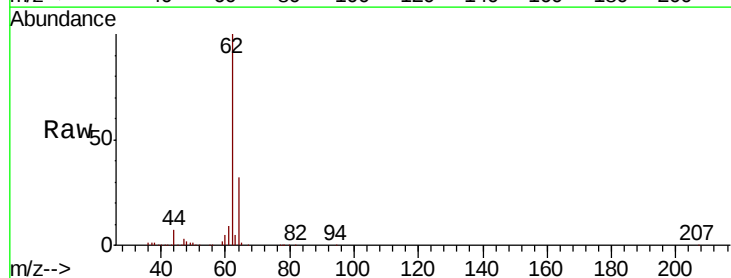
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Tgt Ion: 62 Resp: 81637

Ion Ratio Lower Upper

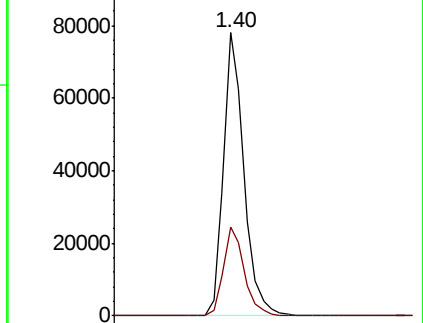
62 100

64 31.5 25.5 38.3

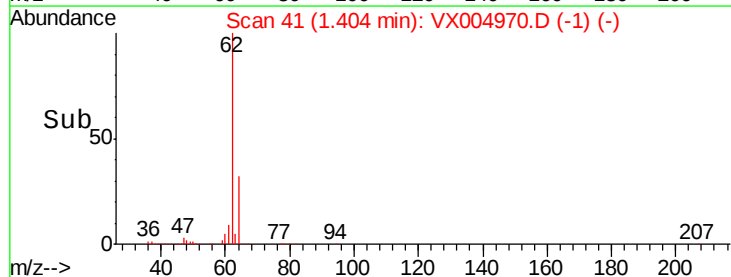


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 17.553 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 94 Resp: 43376

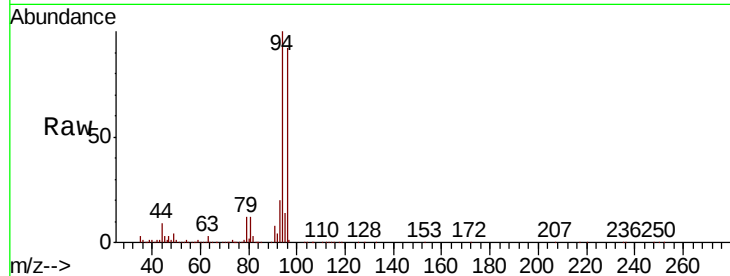
Ion Ratio Lower Upper

94 100

96 92.1 79.5 119.3

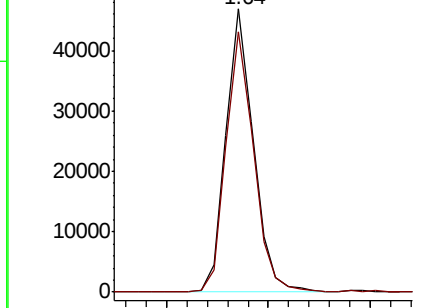
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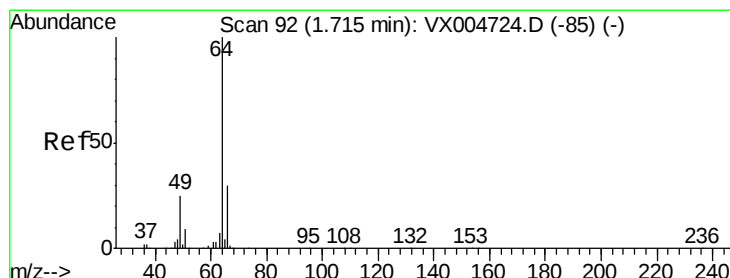
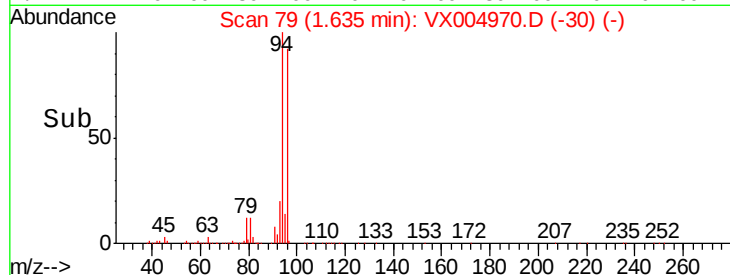


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 19.544 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004970.D

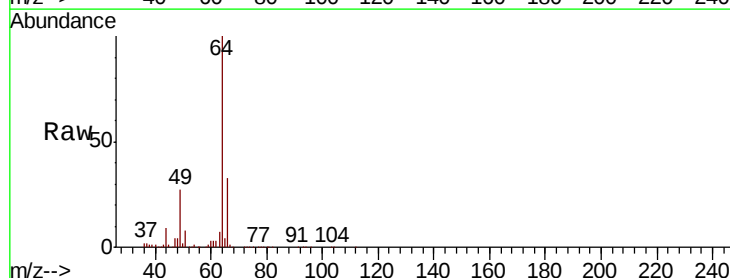
Acq: 03 Oct 2018 15:46

Tgt Ion: 64 Resp: 47605

Ion Ratio Lower Upper

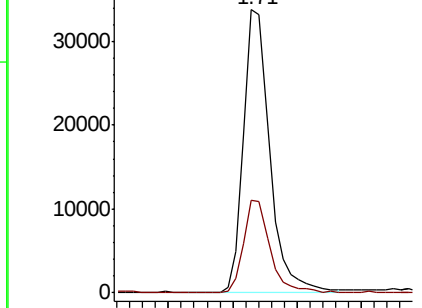
64 100

66 32.6 23.8 35.6

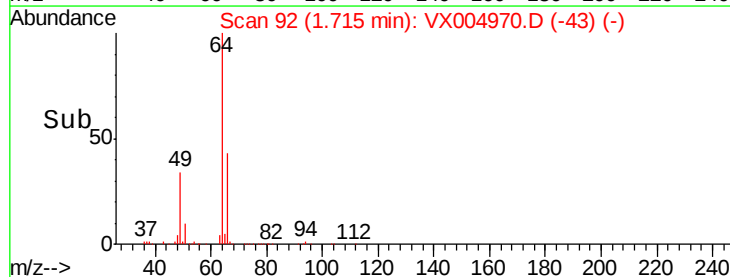


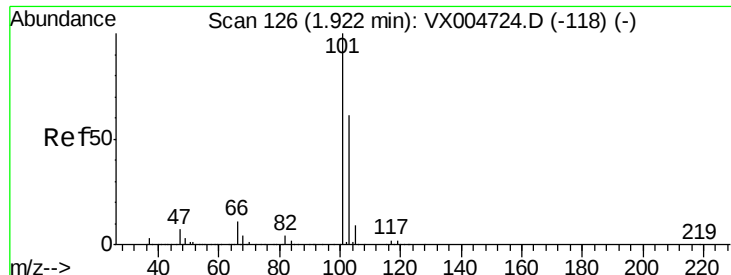
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

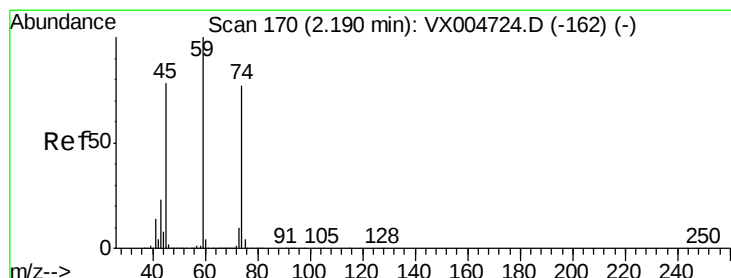
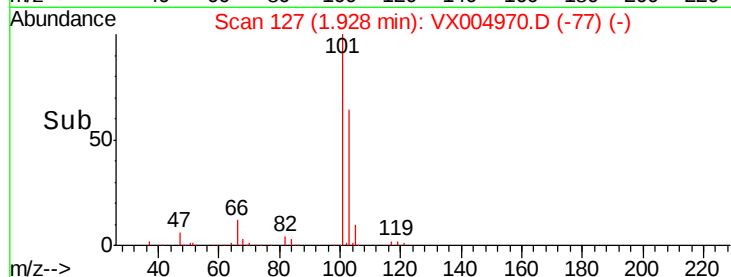
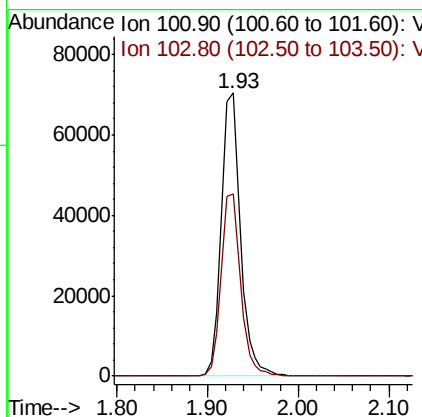
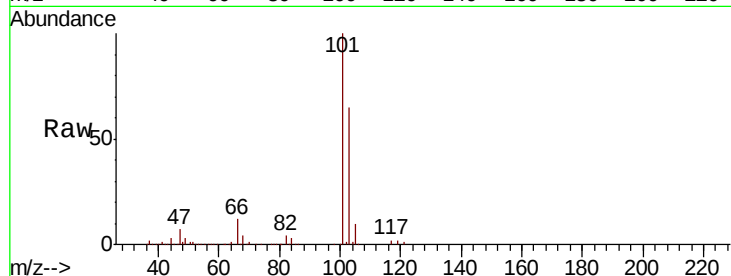
Trichlorofluoromethane
 Concen: 20.335 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	104909		
103	64.6	48.4	72.6	

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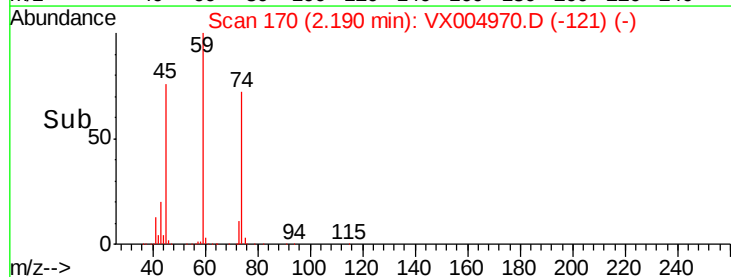
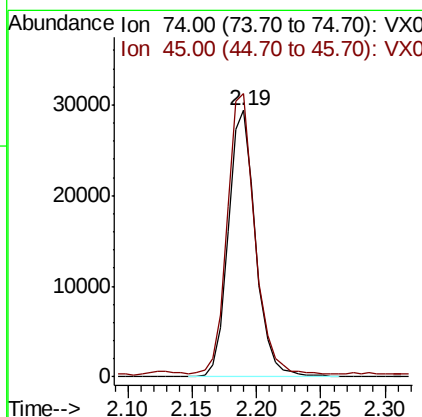
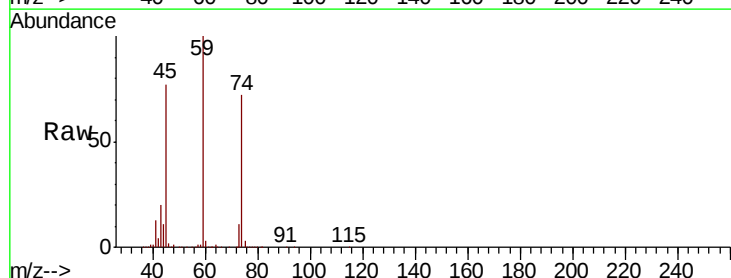
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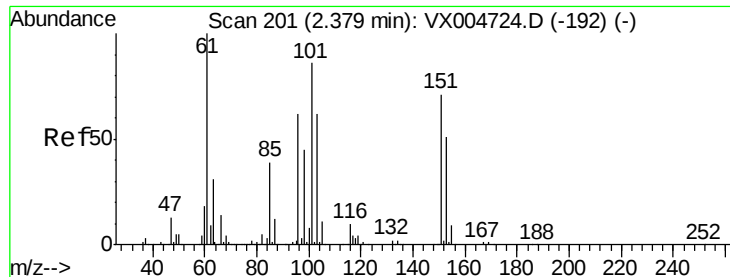


#8

Diethyl Ether
 Concen: 19.523 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43755		
45	106.0	52.5	157.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.141 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion:101 Resp: 62128

Ion Ratio Lower Upper

101 100

85 43.5 35.9 53.9

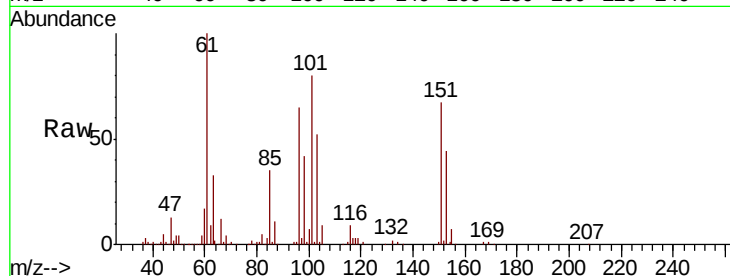
151 83.8 66.6 100.0

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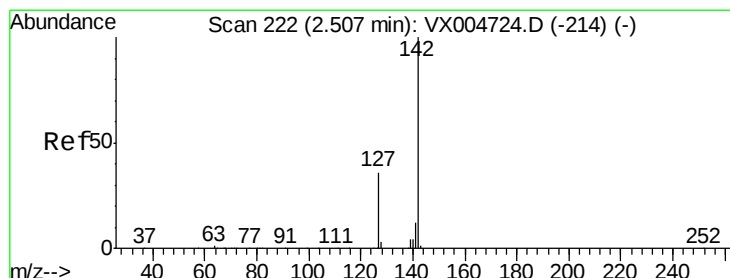
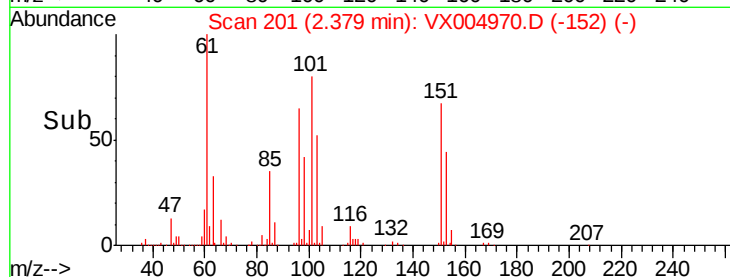
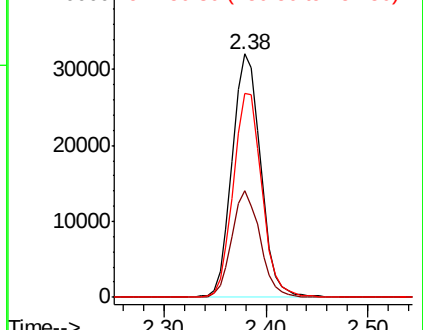
10/5/2018 3:24:44 PM



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: 13.154 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

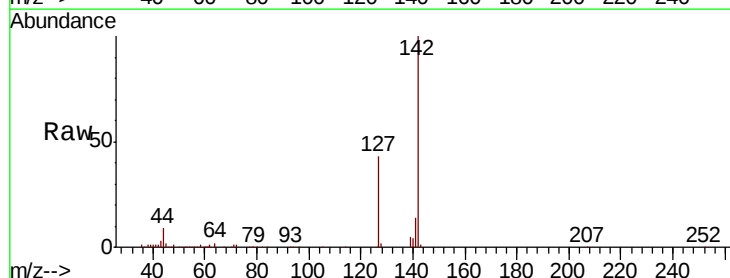
Tgt Ion:142 Resp: 51730

Ion Ratio Lower Upper

142 100

127 42.3 30.1 45.1

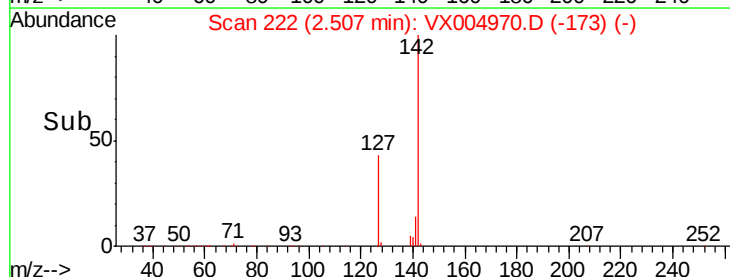
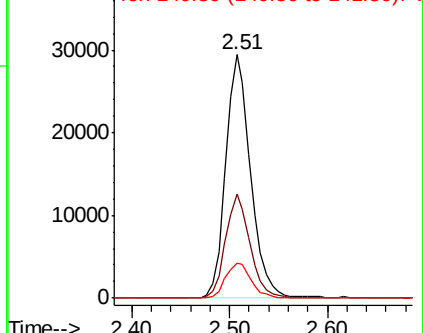
141 14.9 10.1 15.1

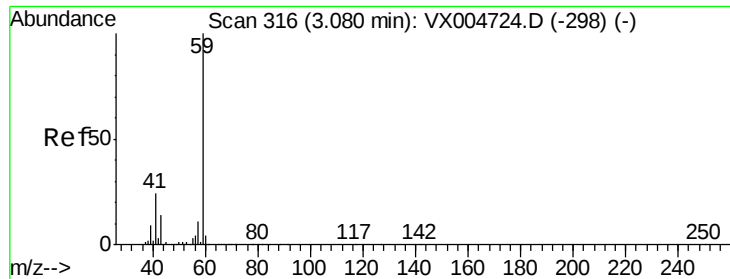


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





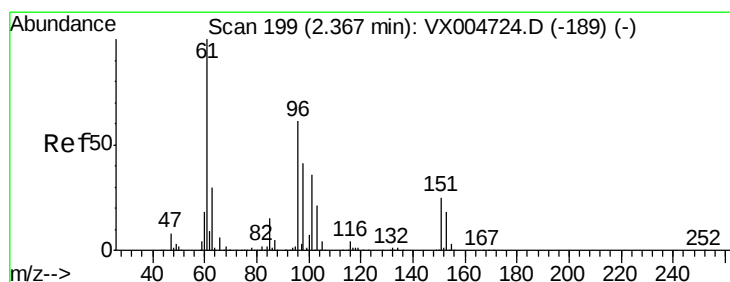
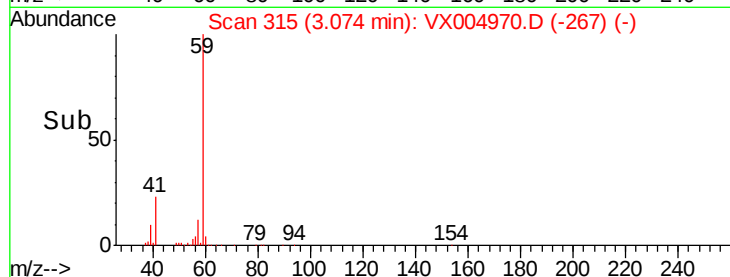
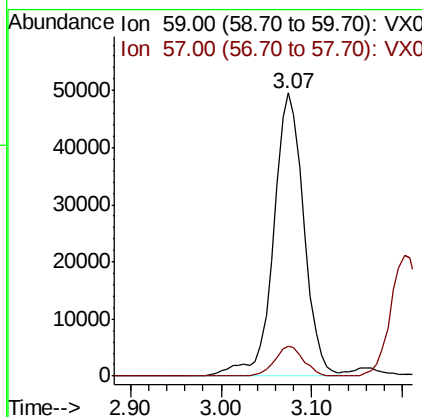
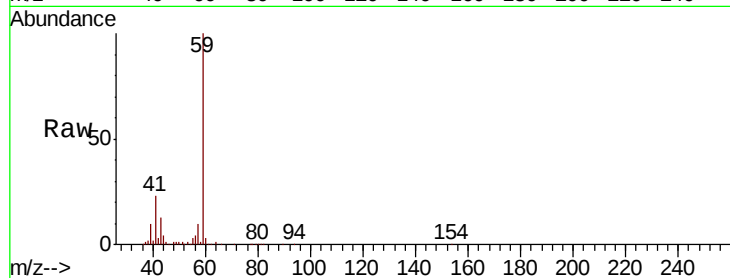
#11
Tert butyl alcohol
Concen: 106.767 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion: 59 Resp: 114544
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

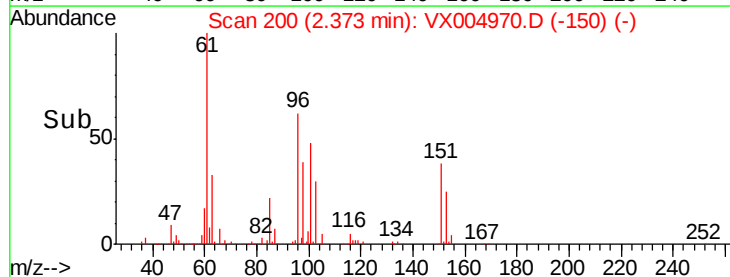
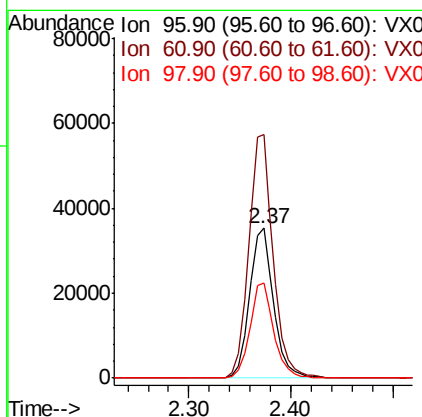
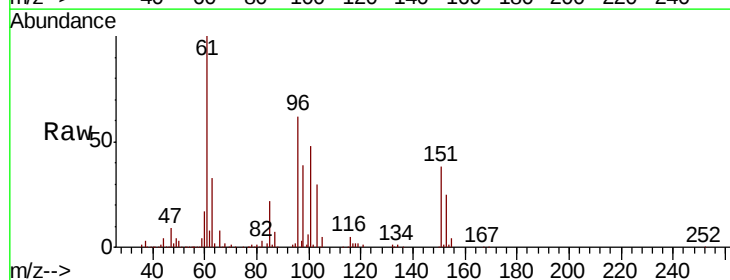
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 19.932 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion: 96 Resp: 58009
Ion Ratio Lower Upper
96 100
61 162.3 130.2 195.4
98 63.8 53.4 80.0





#13

Acrolein

Concen: 33.328 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 56 Resp: 25440

Ion Ratio Lower Upper

56 100

55 72.5

63.4

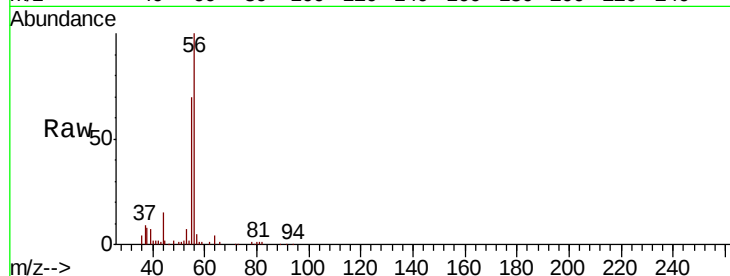
95.2

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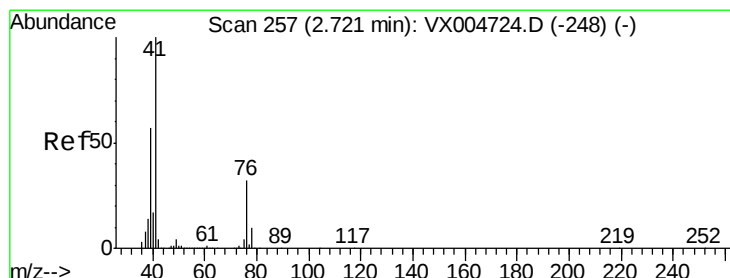
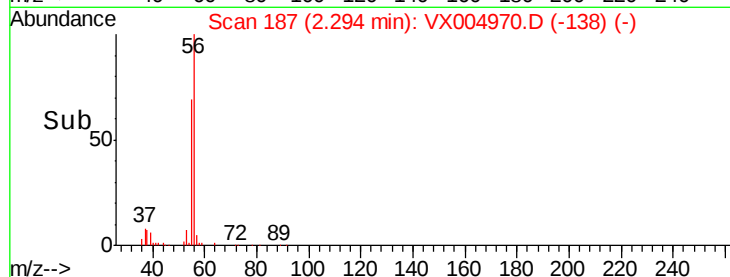
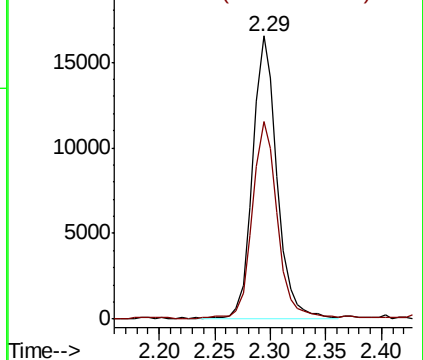
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.162 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion: 41 Resp: 128031

Ion Ratio Lower Upper

41 100

39 56.8

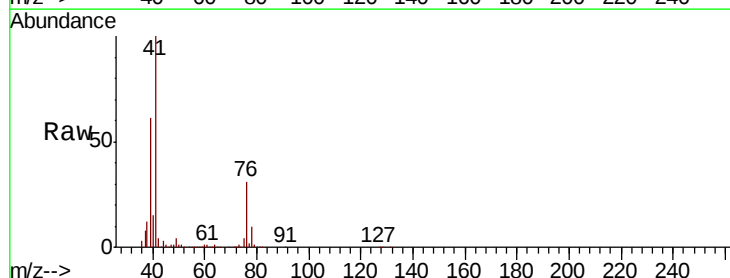
76 28.8

44.1

25.0

66.1

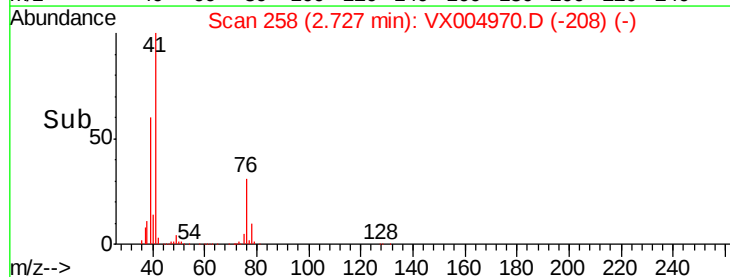
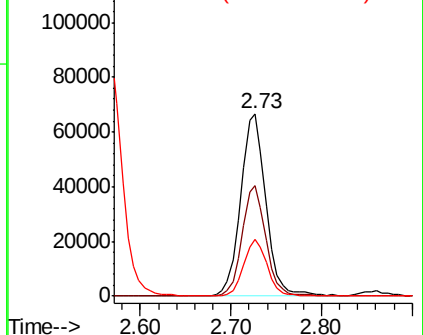
37.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 102.550 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

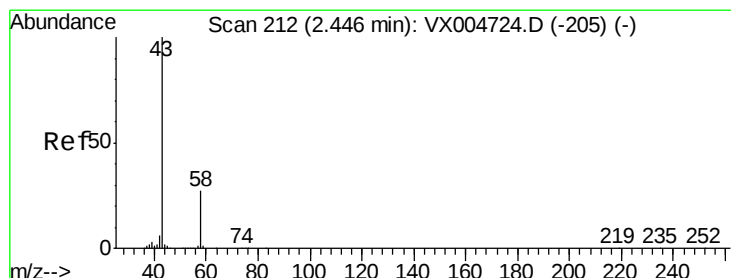
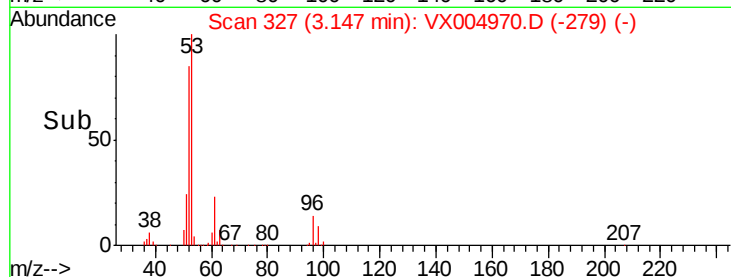
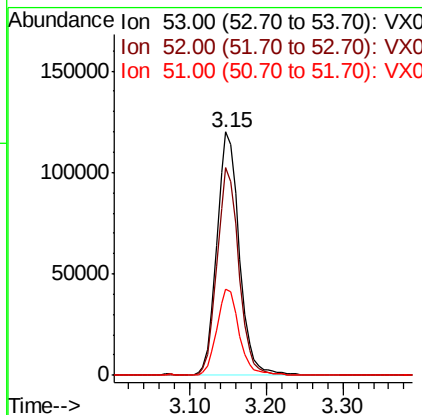
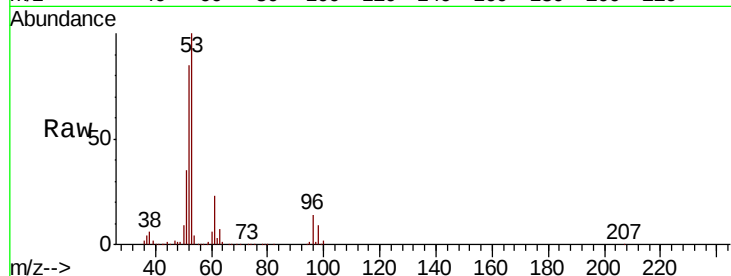
ClientSampleId :

VX1004WBS01

Tot Ion:	53	Resp:	242195
Ion Ratio		Lower	Upper
53	100		
52	83.3	63.0	94.4
51	35.1	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 100.485 ug/l

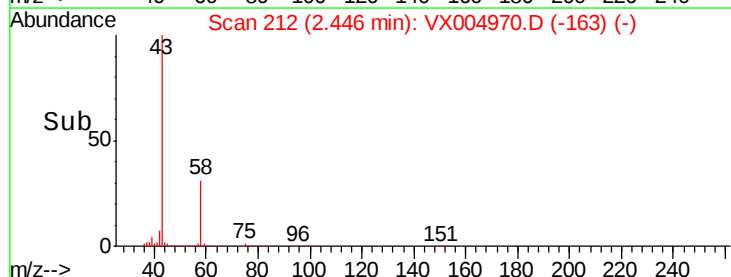
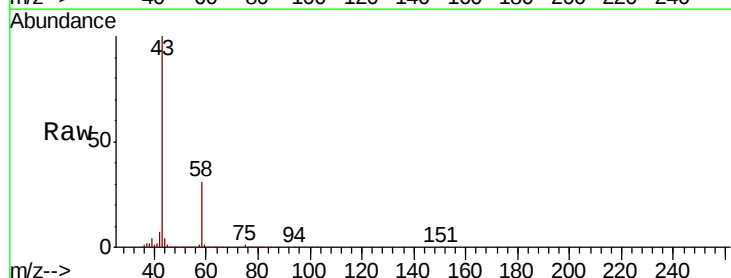
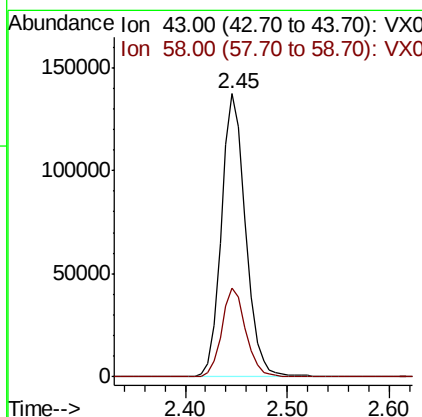
RT: 2.45 min Scan# 212

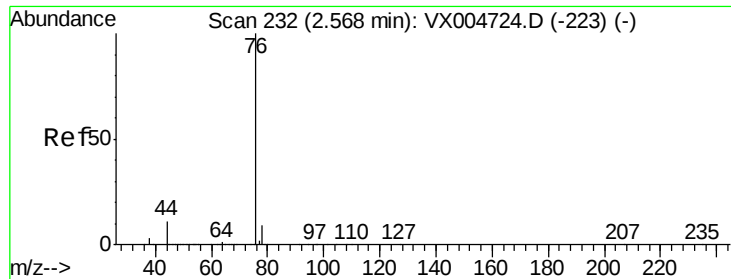
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	43	Resp:	225094
Ion Ratio		Lower	Upper
43	100		
58	31.3	21.8	32.6





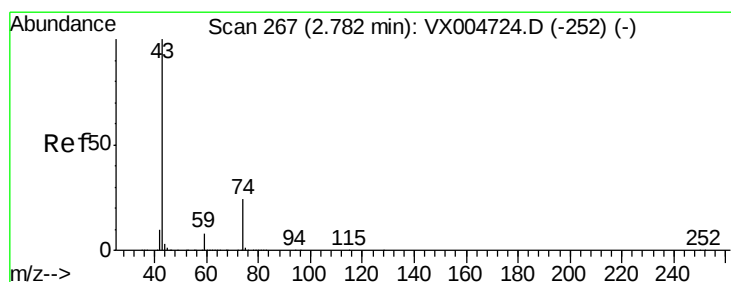
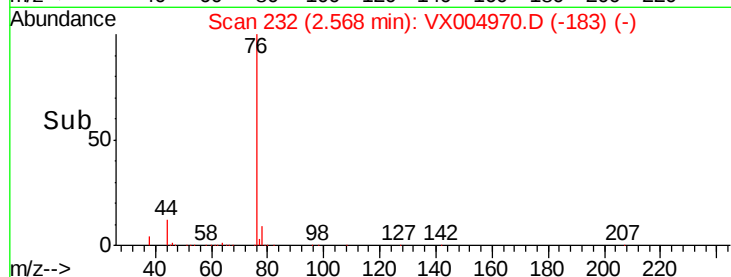
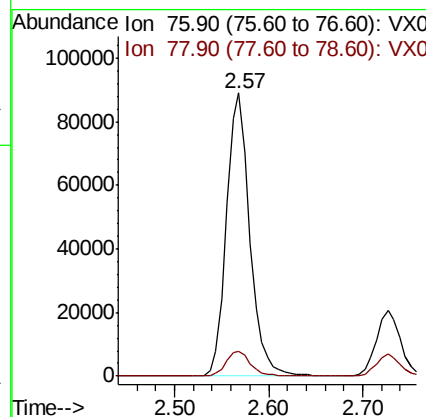
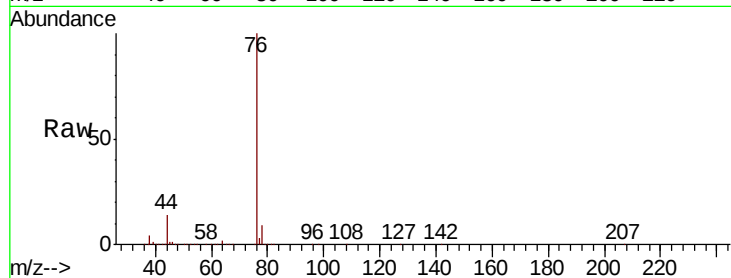
#17
Carbon Disulfide
Concen: 17.479 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

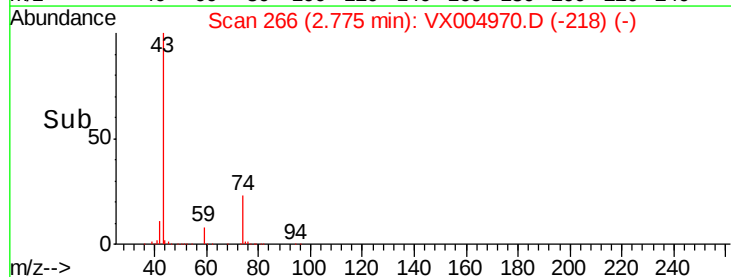
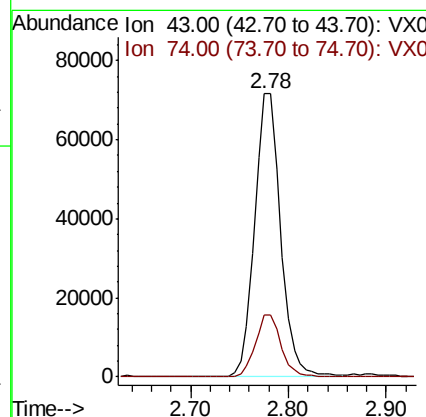
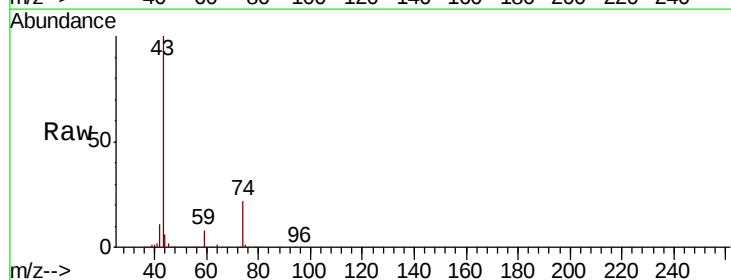
Manual Integrations
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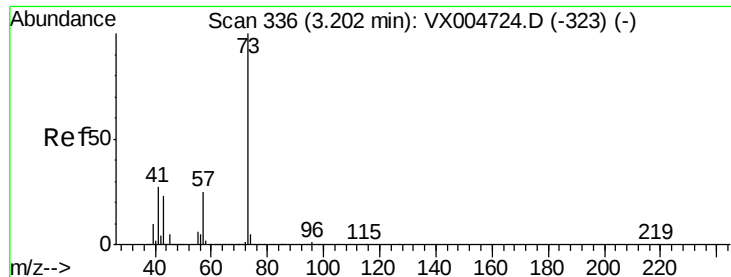
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#18
Methyl Acetate
Concen: 23.171 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.8	26.8





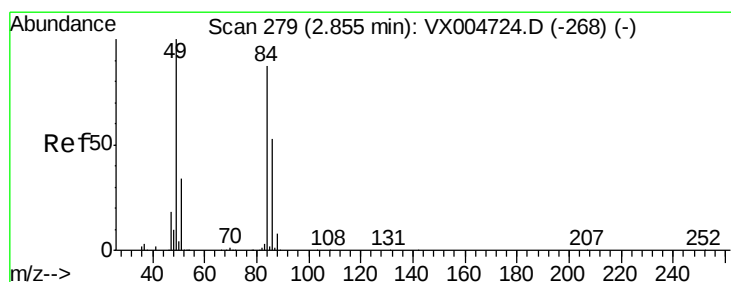
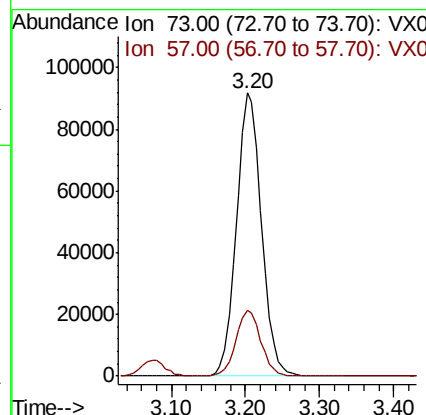
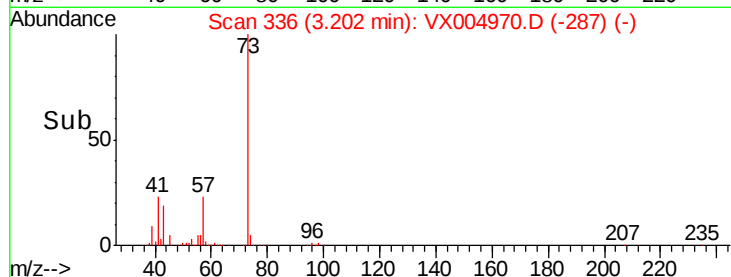
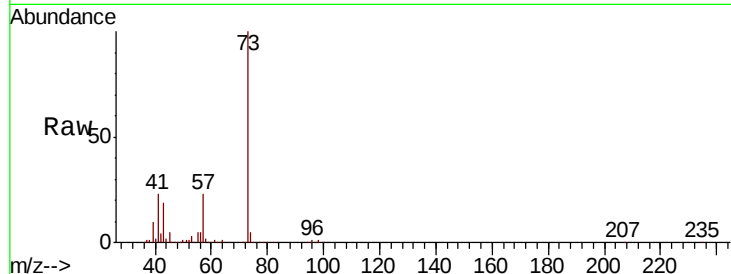
#19
Methvl tert-butvl Ether
Concen: 21.475 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.9	29.9

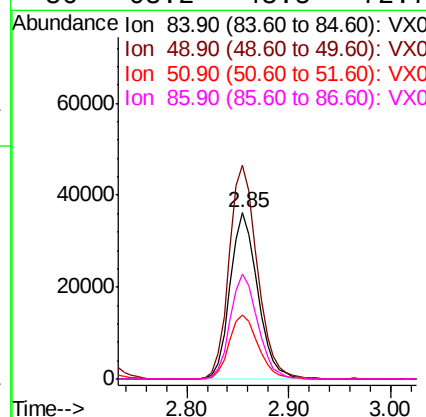
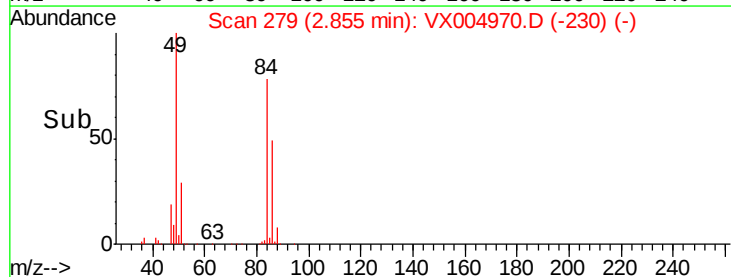
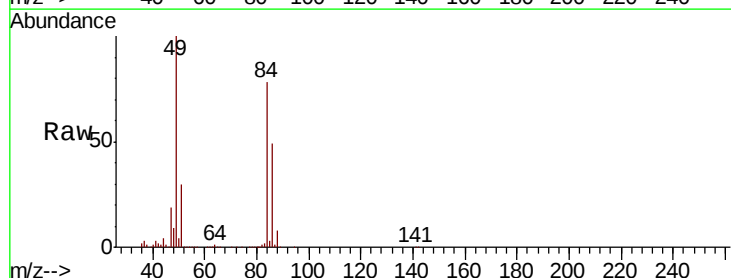
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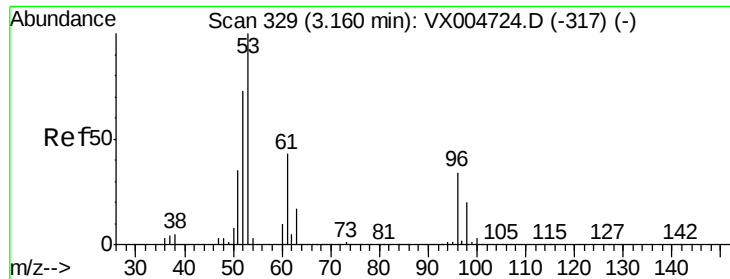
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#20
Methylene Chloride
Concen: 20.317 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.7	92.3	138.5
51	38.0	31.8	47.6
86	63.2	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 19.197 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

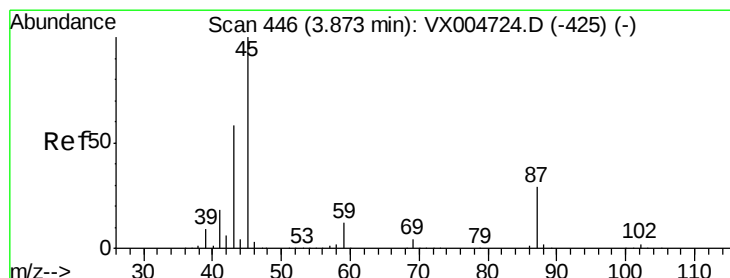
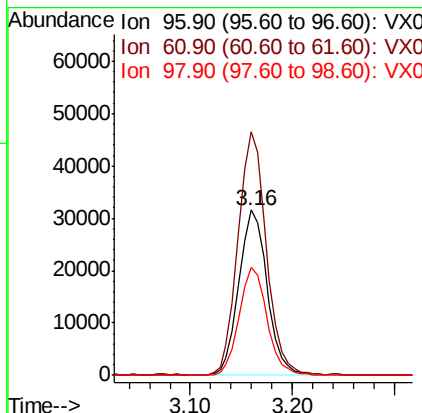
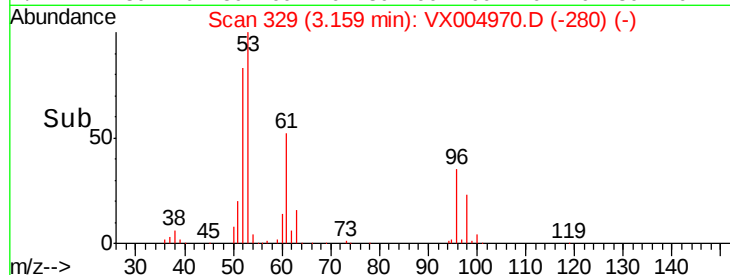
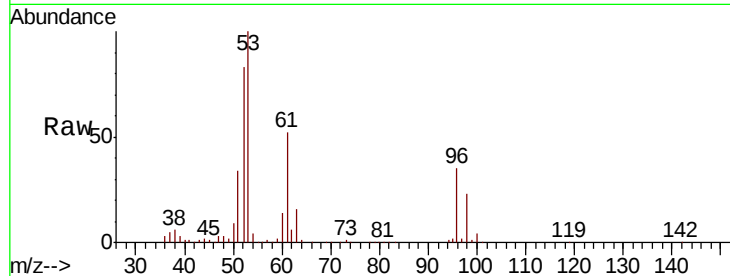
ClientSampleId :

VX1004WBS01

Tot Ion:	96	Resp:	61160
Ion	Ratio	Lower	Upper
96	100		
61	147.2	101.0	151.6
98	65.1	47.2	70.8

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#22

Diisopropyl ether

Concen: 20.325 ug/l

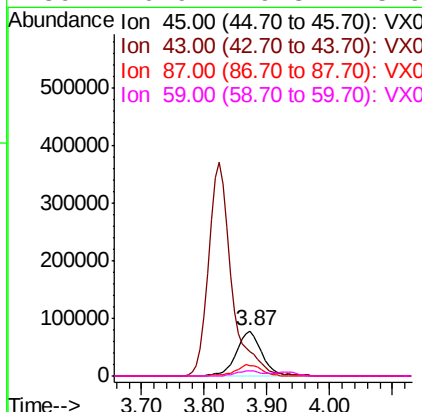
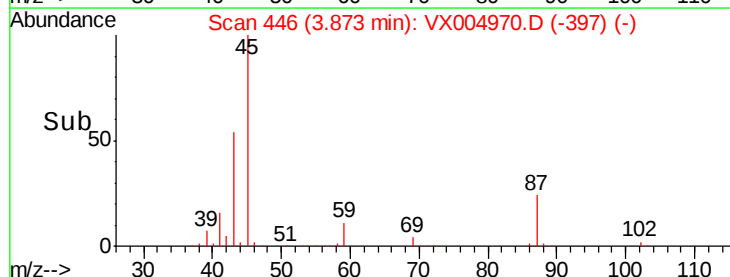
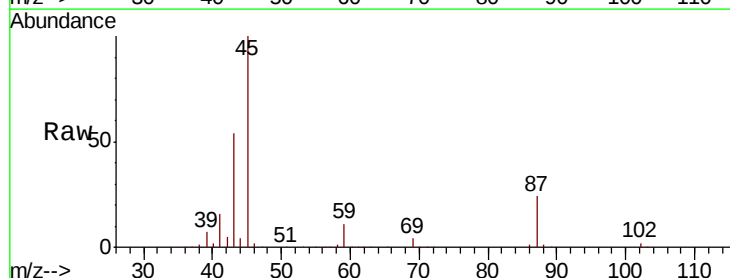
RT: 3.87 min Scan# 446

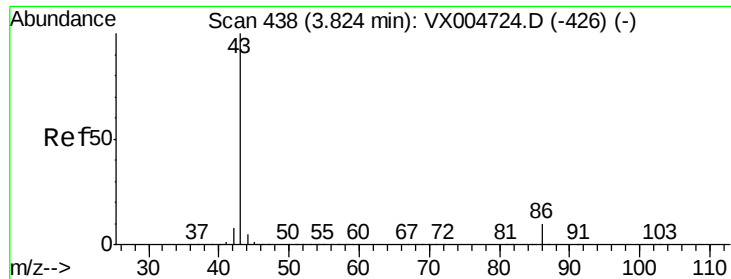
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	45	Resp:	217332
Ion	Ratio	Lower	Upper
45	100		
43	53.8	46.7	70.1
87	24.3	22.9	34.3
59	10.9	9.3	13.9





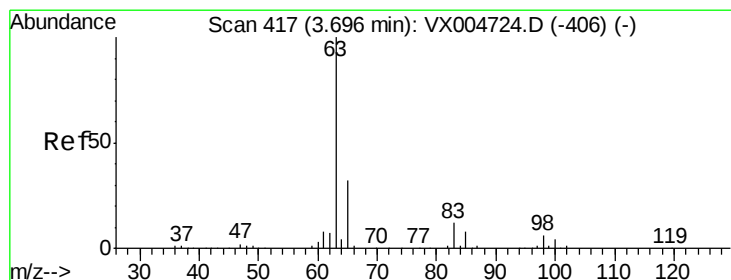
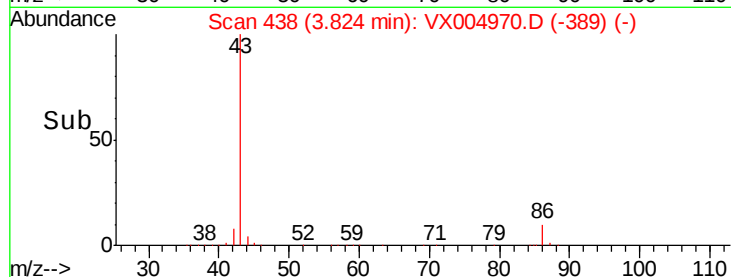
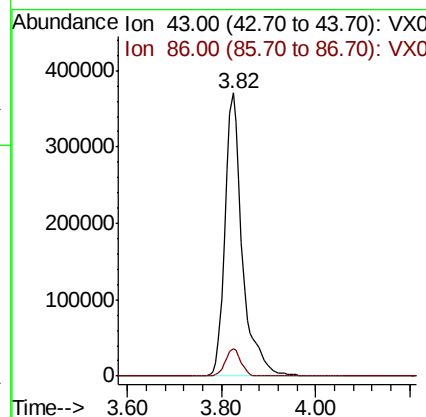
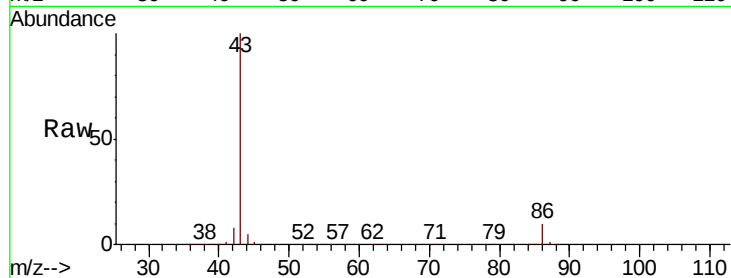
#23
 Vinyl Acetate
 Concen: 96.629 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

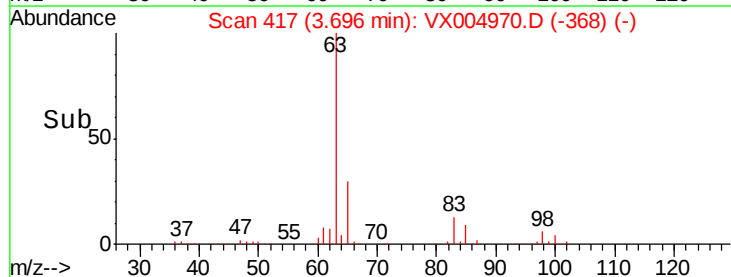
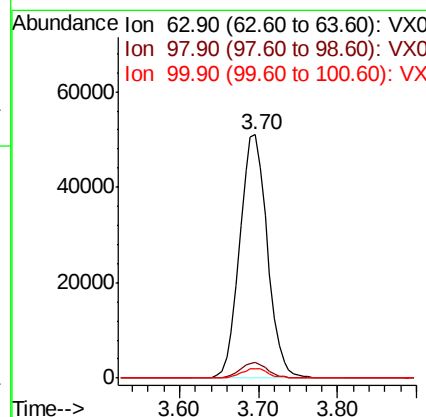
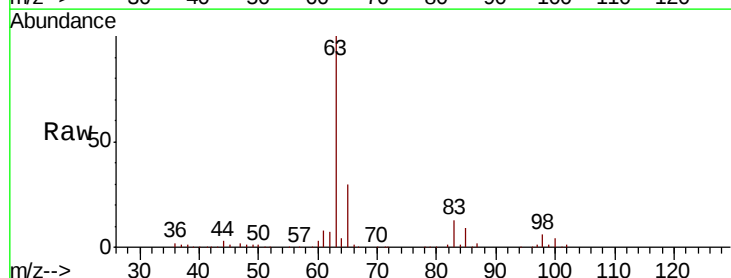
Manual Integrations
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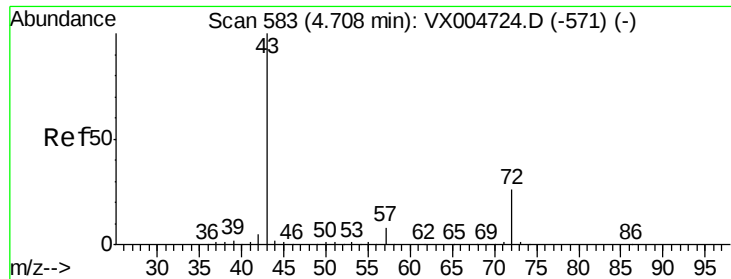
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#24
 1,1-Dichloroethane
 Concen: 19.489 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.0	9.2
100	3.8	2.0	5.8





#25

2-Butanone

Concen: 99.616 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS01

Tot Ion: 43 Resp: 328924

Ion Ratio Lower Upper

43 100

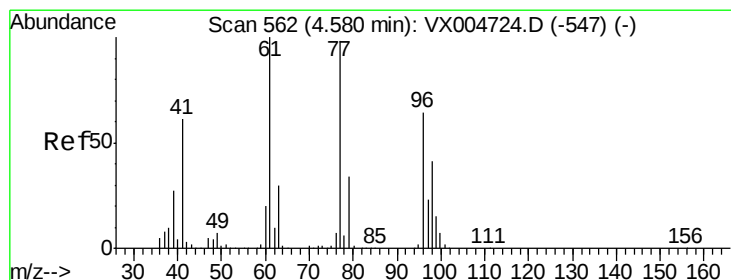
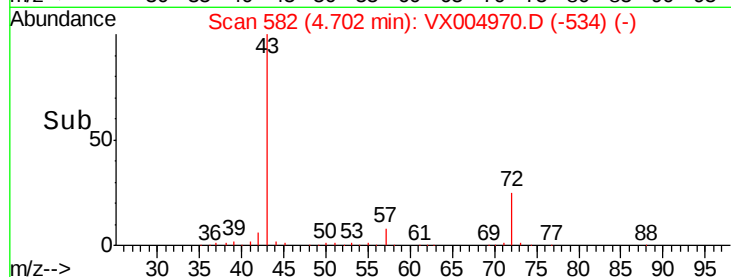
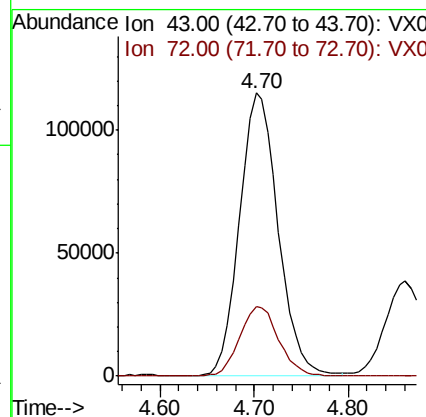
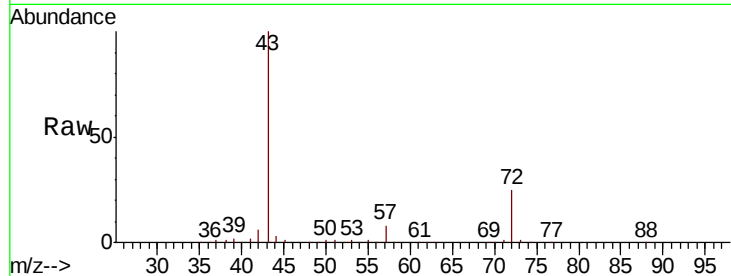
72 24.8 20.8 31.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.646 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004970.D

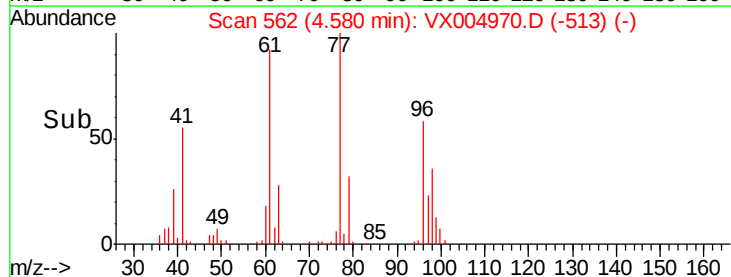
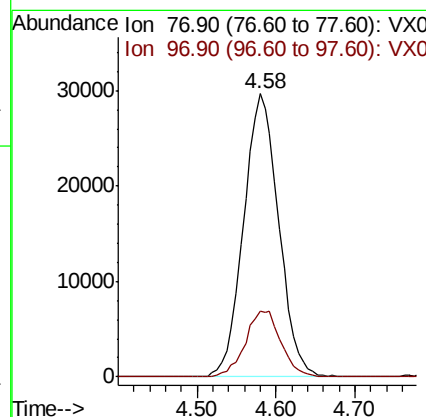
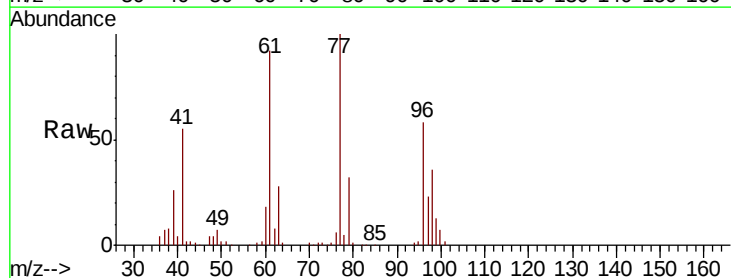
Acq: 03 Oct 2018 15:46

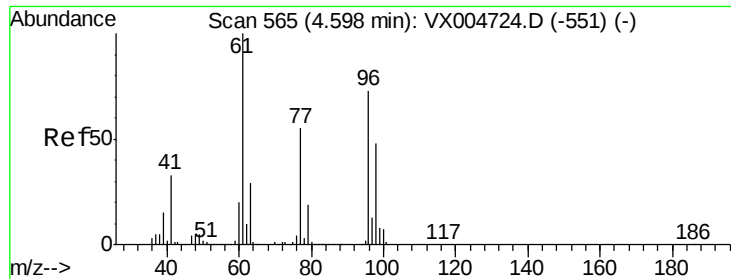
Tgt Ion: 77 Resp: 91706

Ion Ratio Lower Upper

77 100

97 23.7 12.6 37.8





#27

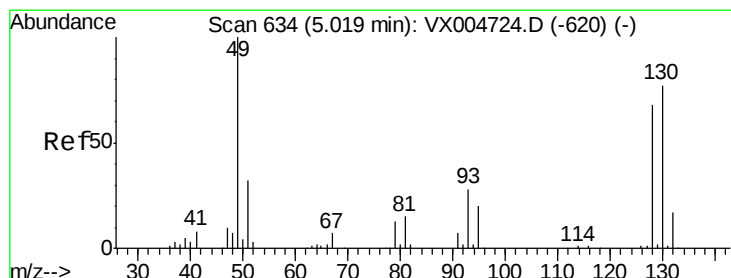
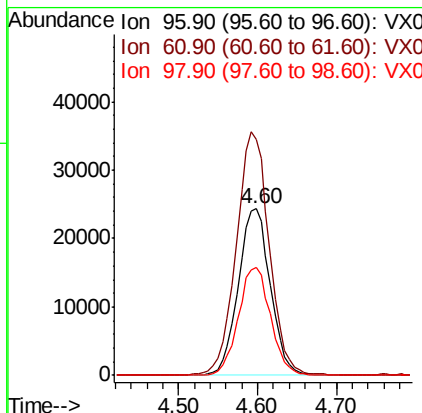
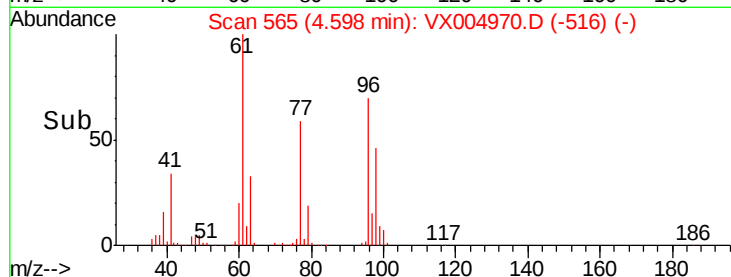
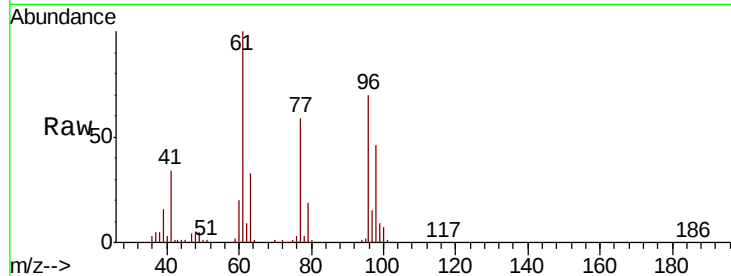
cis-1,2-Dichloroethene
Concen: 19.320 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	285.8
98	65.0	0.0	136.2

Manual Integrations
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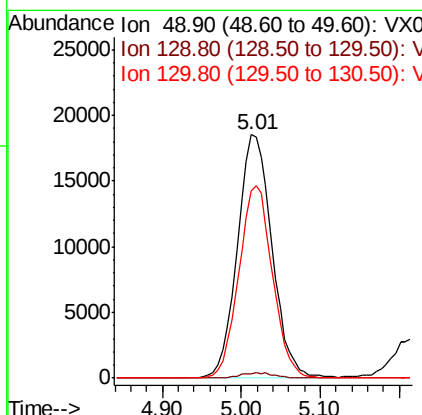
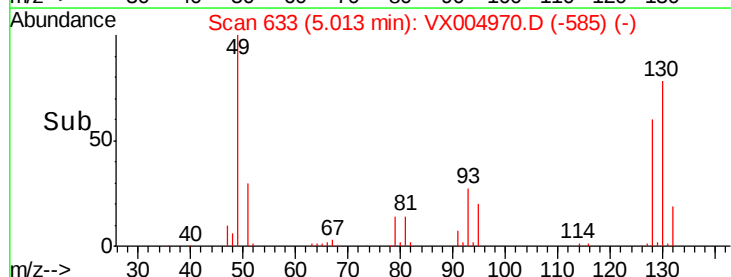
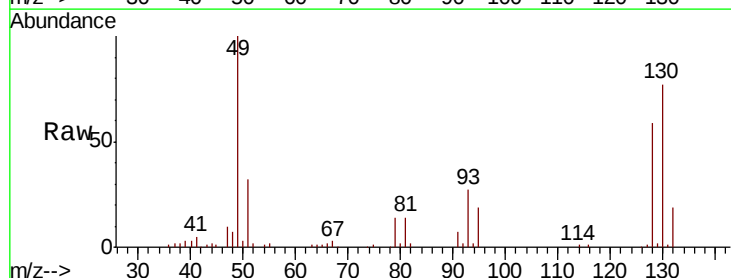
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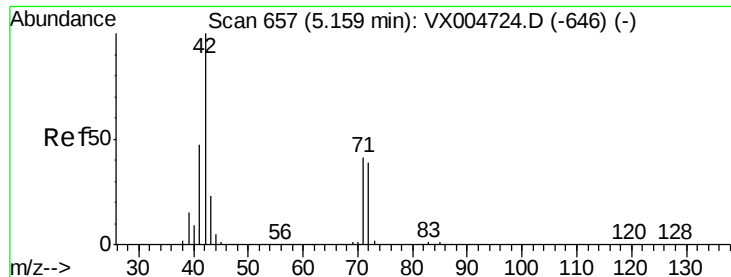


#28

Bromochloromethane
Concen: 18.873 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.4	62.0	93.0





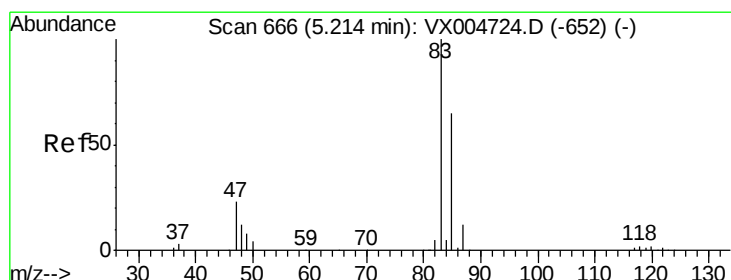
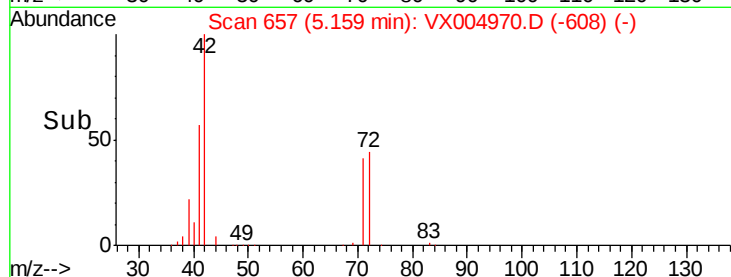
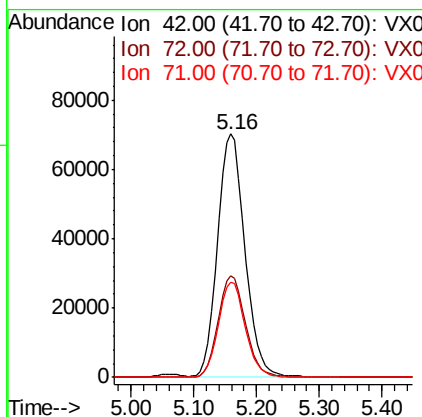
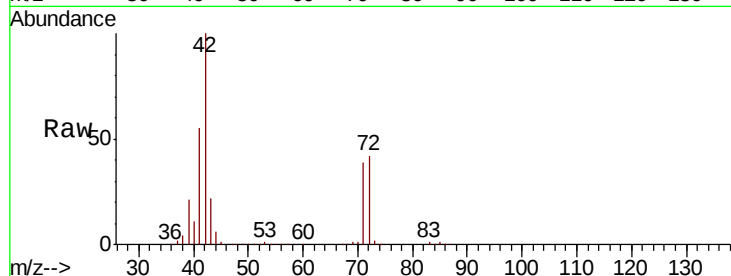
#29
Tetrahydrofuran
Concen: 102.884 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	38.9	32.2	48.4

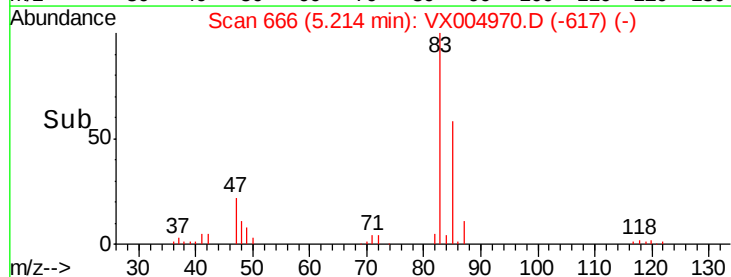
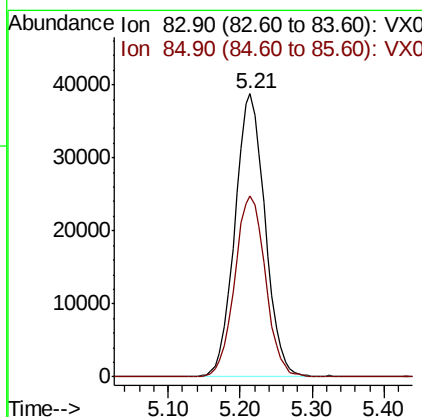
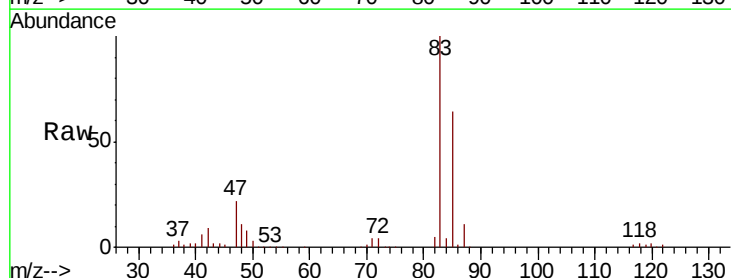
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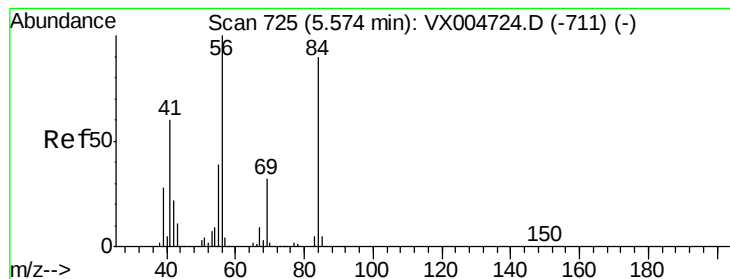
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#30
Chloroform
Concen: 18.728 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6





#31

Cyclohexane

Concen: 21.244 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

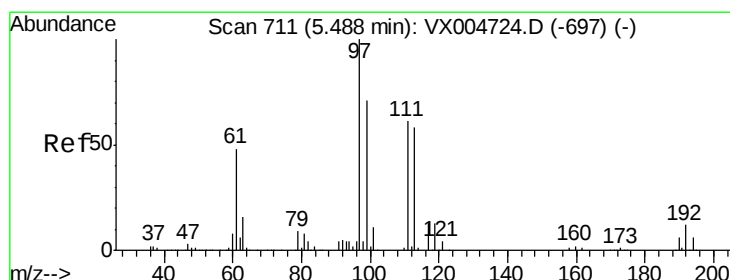
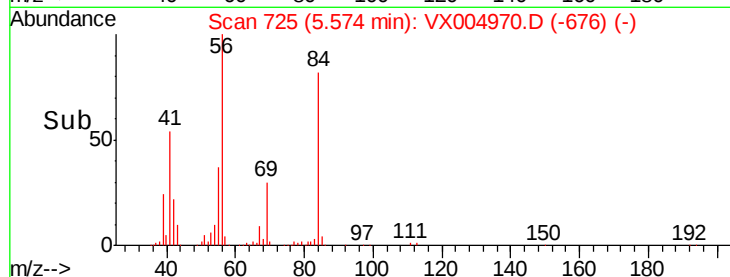
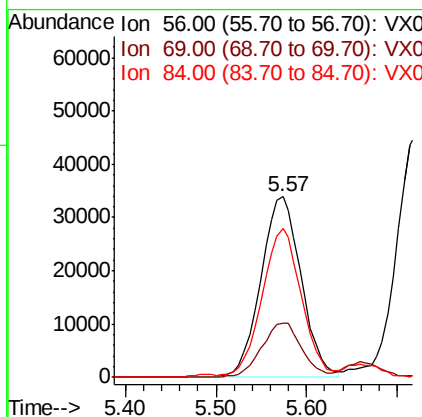
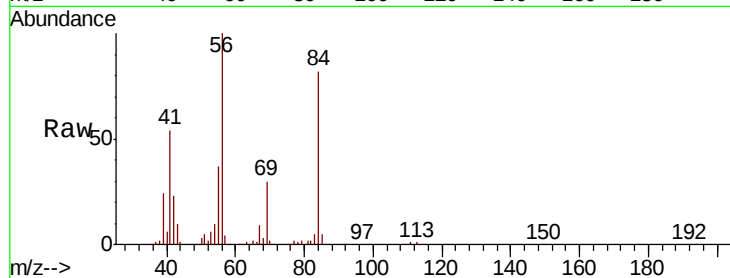
ClientSampleId :

VX1004WBS01

Tot Ion:	56	Resp:	103714
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.9	38.9
84	81.4	71.9	107.9

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#32

1,1,1-Trichloroethane

Concen: 19.511 ug/l

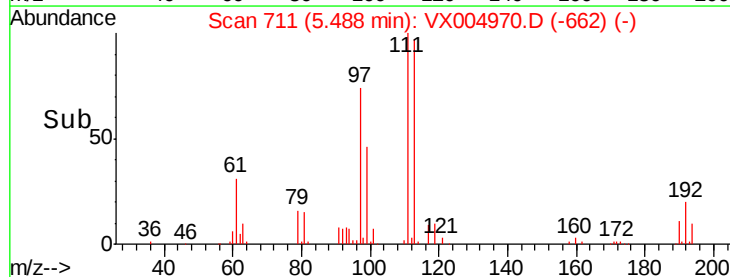
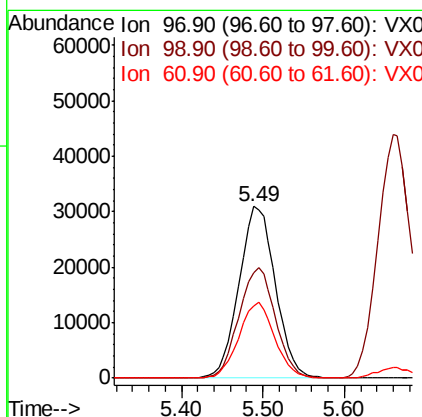
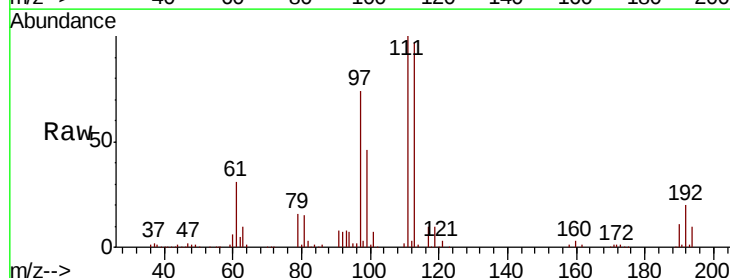
RT: 5.49 min Scan# 711

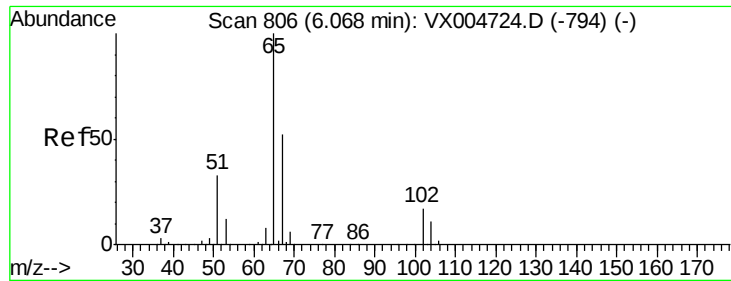
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	97	Resp:	96058
Ion	Ratio	Lower	Upper
97	100		
99	64.1	54.6	82.0
61	43.1	37.5	56.3





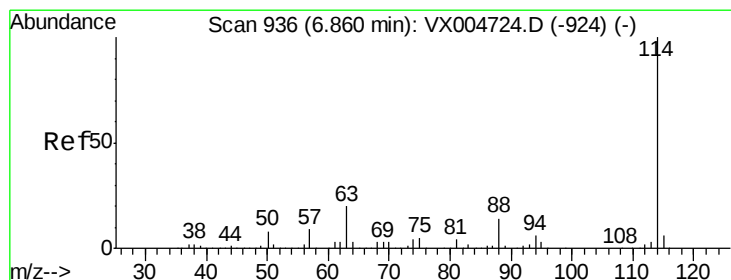
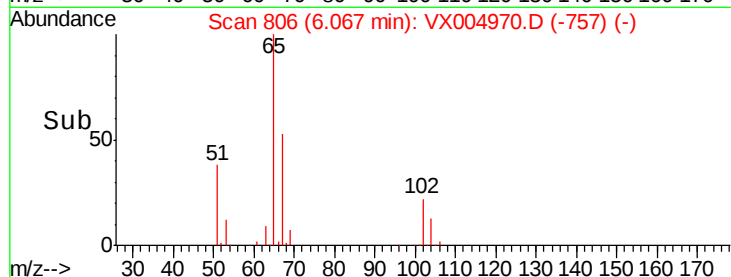
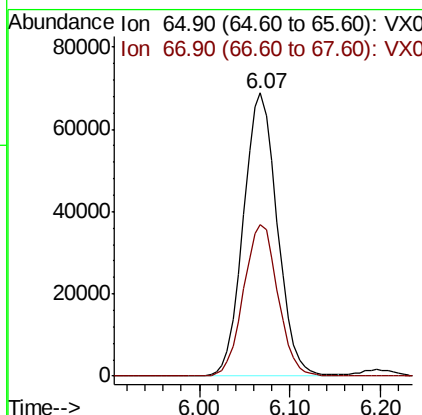
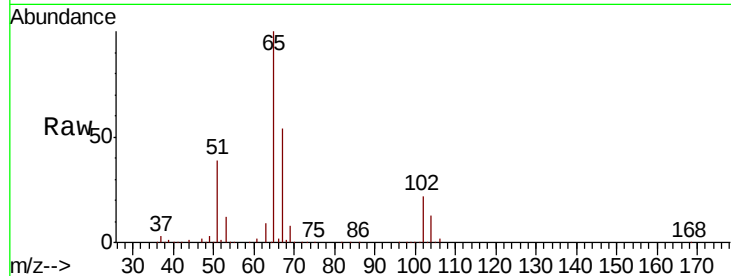
#33
 1,2-Dichloroethane-d4
 Concen: 46.319 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	107.4

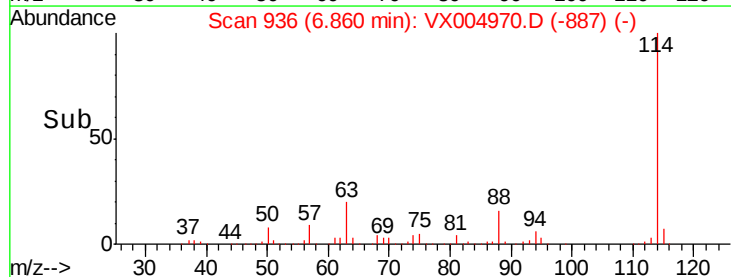
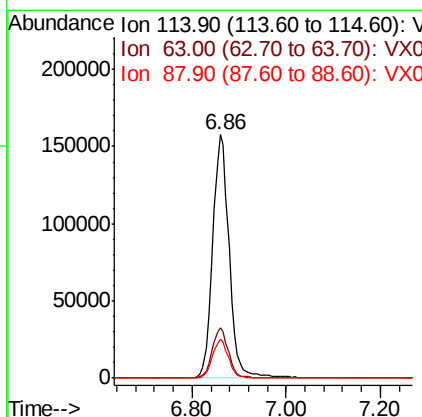
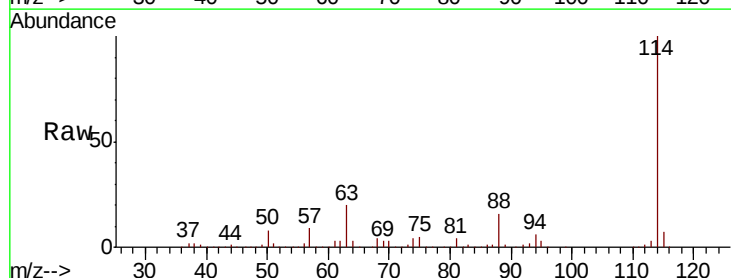
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.8
88	15.8	0.0	27.0





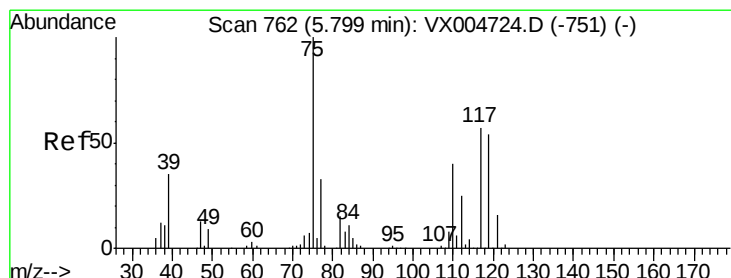
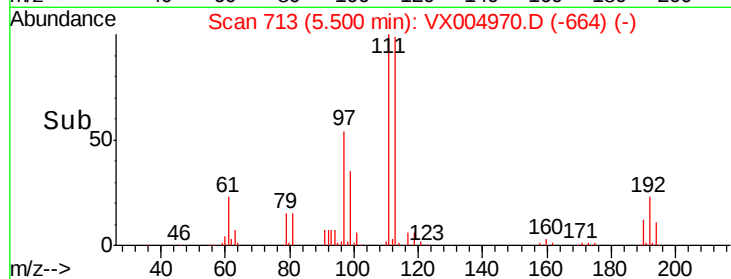
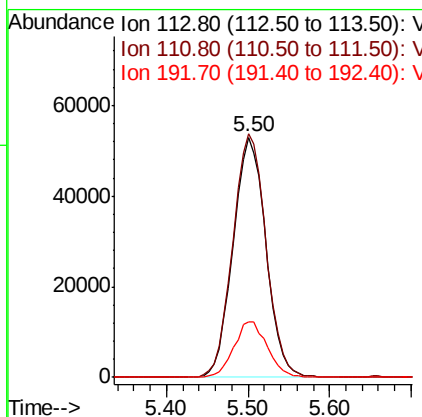
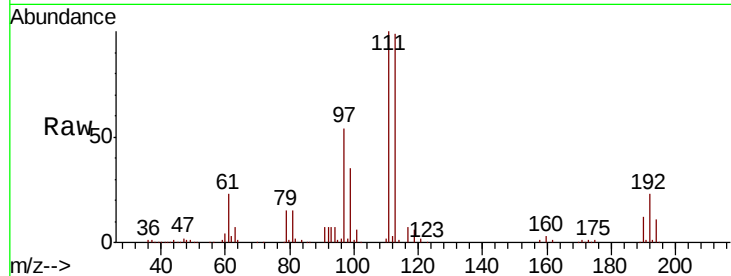
#35
 Dibromofluoromethane
 Concen: 45.368 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	77.0	115.4	
192	23.4	17.0	25.6	

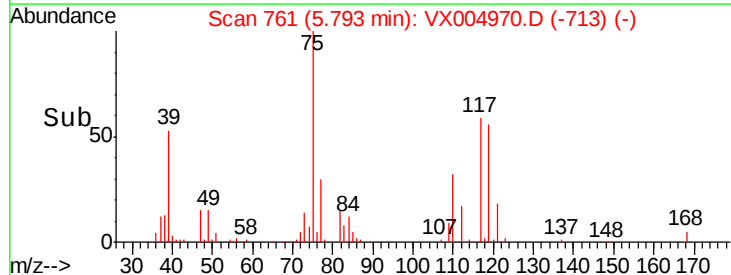
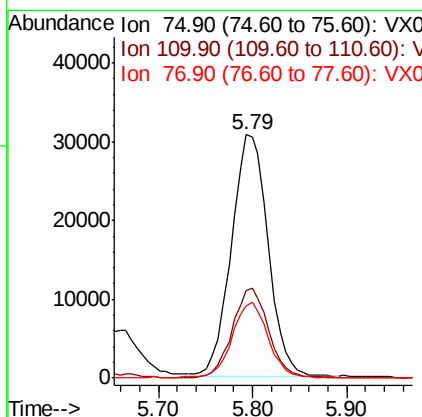
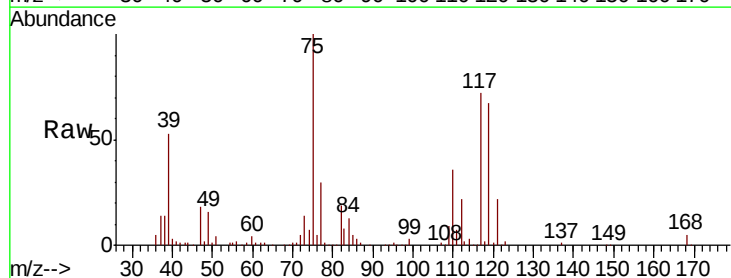
Manual Integrations
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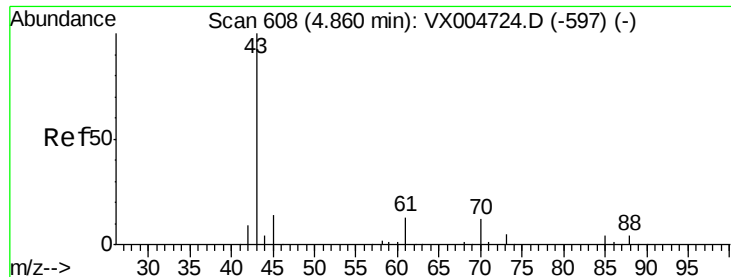
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#36
 1,1-Dichloropropene
 Concen: 18.809 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	20.0	59.9	
77	30.0	27.1	40.7	





#37

Ethyl Acetate

Concen: 19.334 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

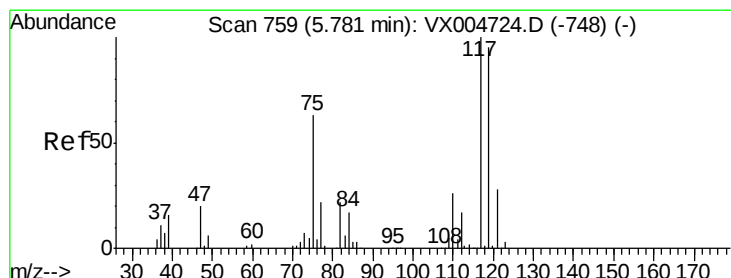
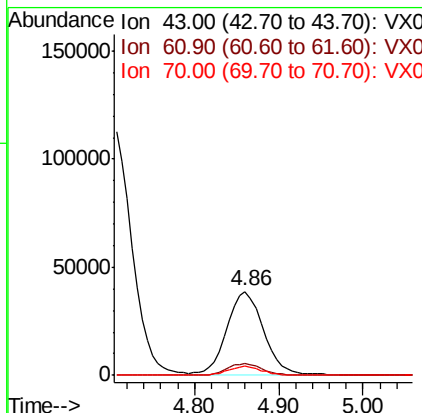
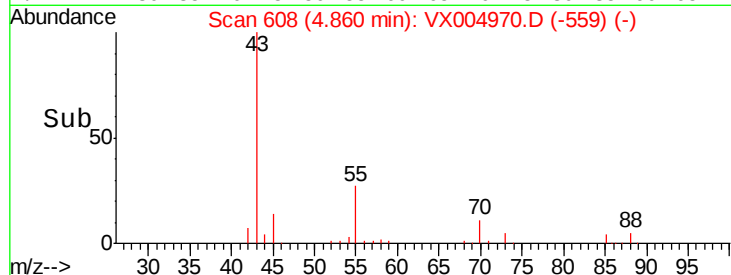
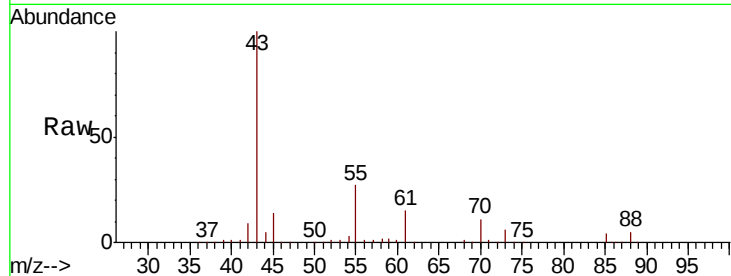
ClientSampleId :

VX1004WBS01

Tot Ion:	43	Resp:	113925
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	10.2	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 17.567 ug/l

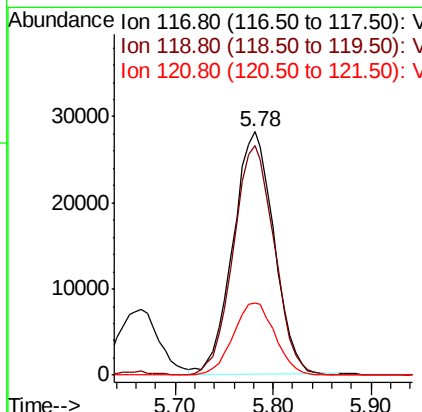
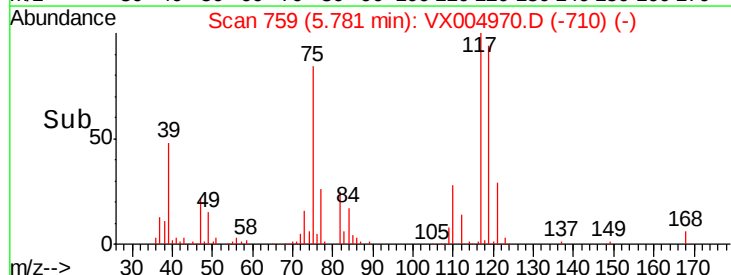
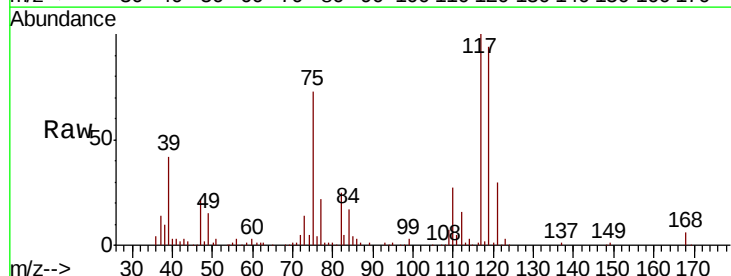
RT: 5.78 min Scan# 759

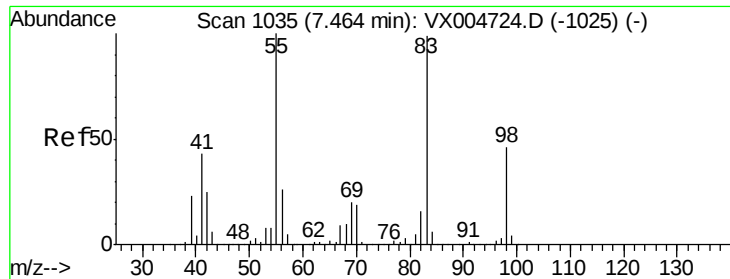
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	117	Resp:	81975
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.2	112.8
121	29.9	22.5	33.7





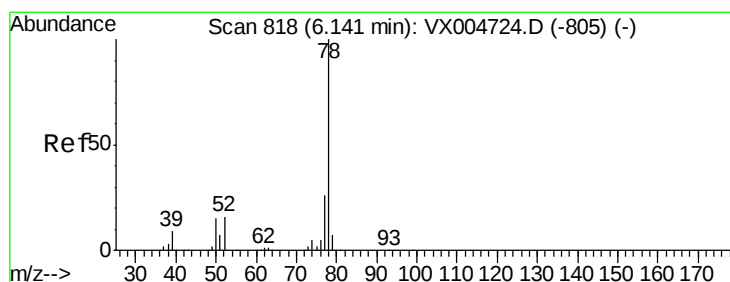
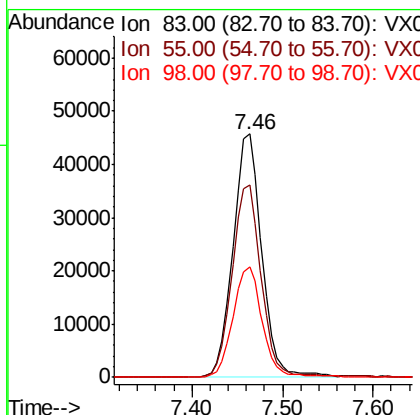
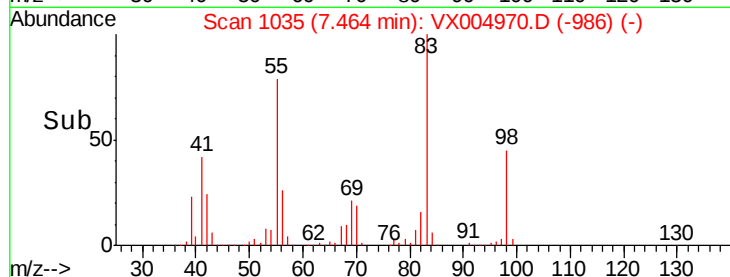
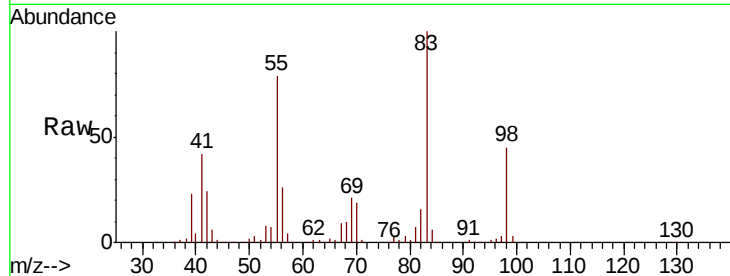
#39
Methvlcvclohexane
Concen: 22.162 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	81.1	121.7#
98	45.1	37.3	55.9

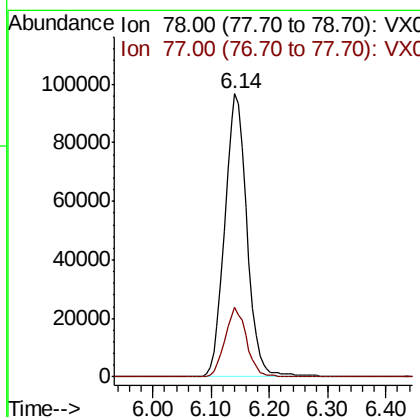
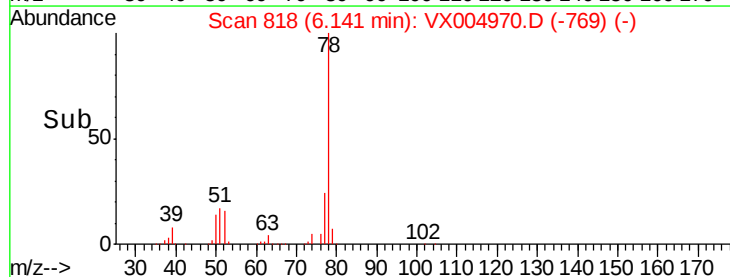
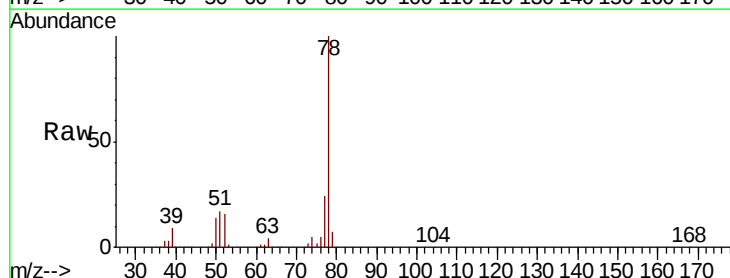
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#40
Benzene
Concen: 18.535 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	21.0	31.4





#41

Methacrylonitrile

Concen: 19.564 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

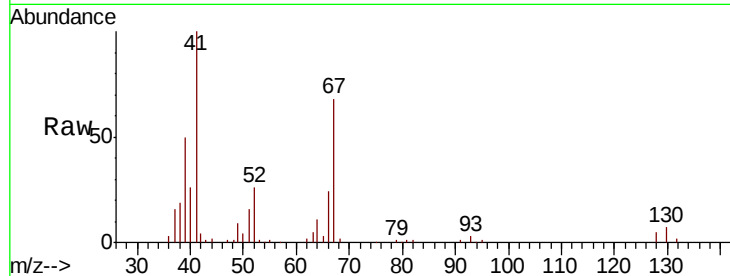
ClientSampleId :

VX1004WBS01

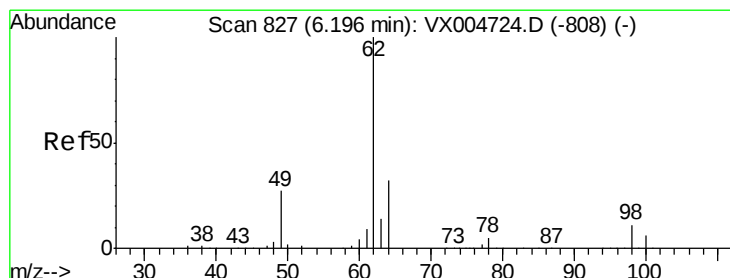
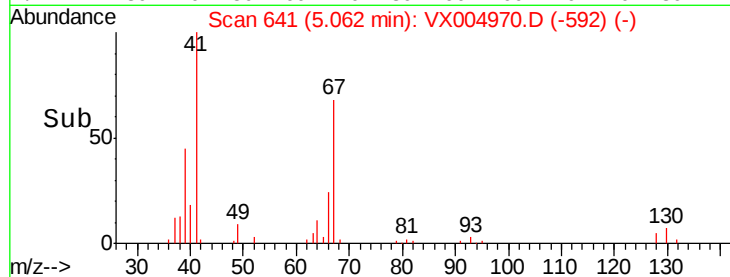
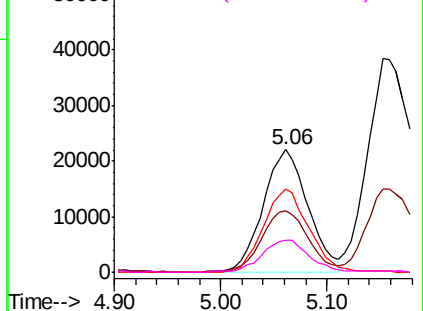
Tot Ion:	41	Resp:	63933
Ion Ratio	Lower	Upper	
41	100		
39	52.0	42.5	63.7
67	69.8	53.0	79.6
52	28.0	19.8	29.8

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.427 ug/l

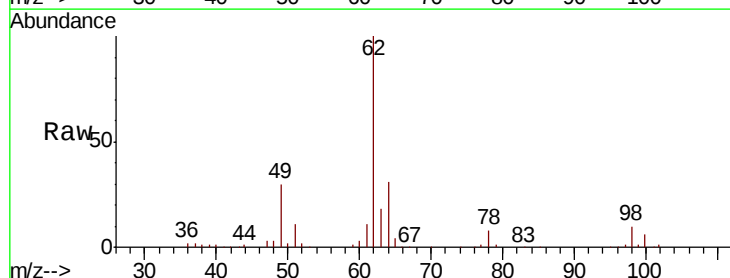
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

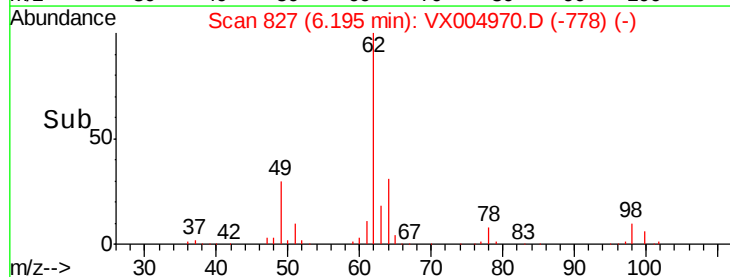
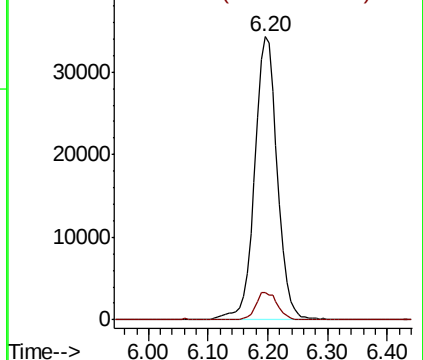
Lab File: VX004970.D

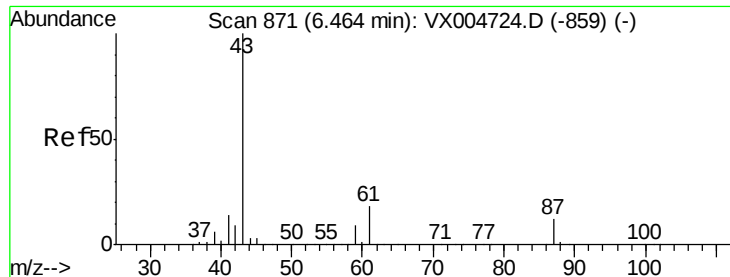
Acq: 03 Oct 2018 15:46

Tgt Ion:	62	Resp:	90528
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.331 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

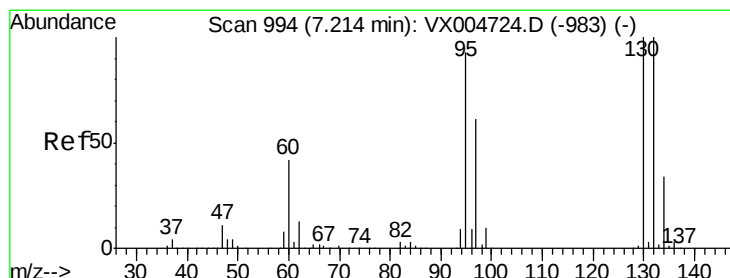
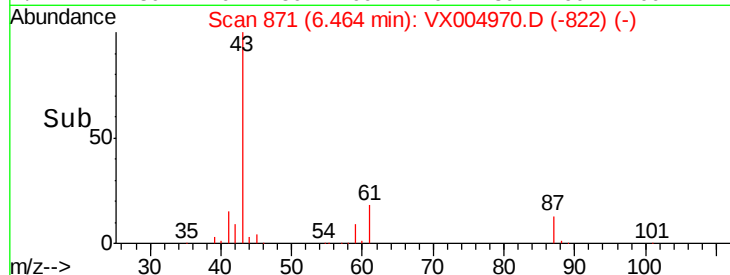
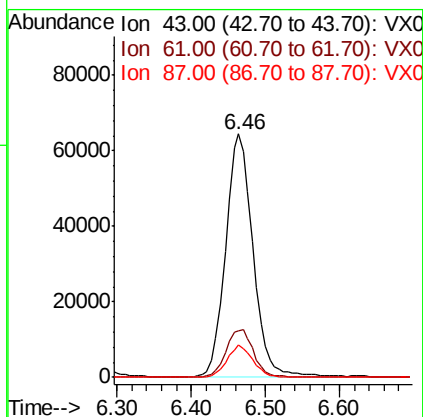
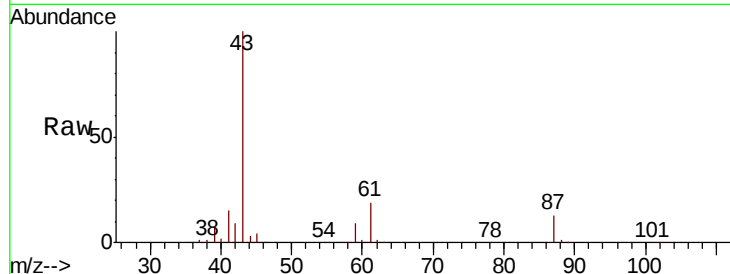
ClientSampleId :

VX1004WBS01

Tot Ion:	43	Resp:	164409
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.2	21.4
87	12.7	9.3	13.9

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#44

Trichloroethene

Concen: 20.350 ug/l

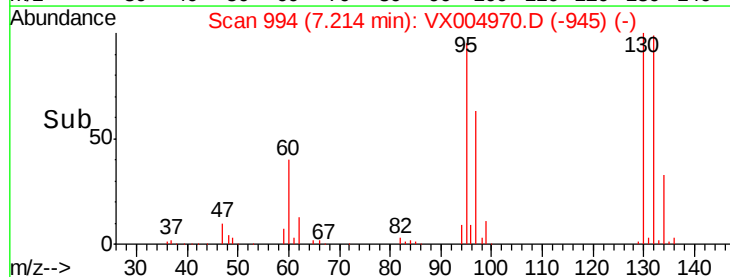
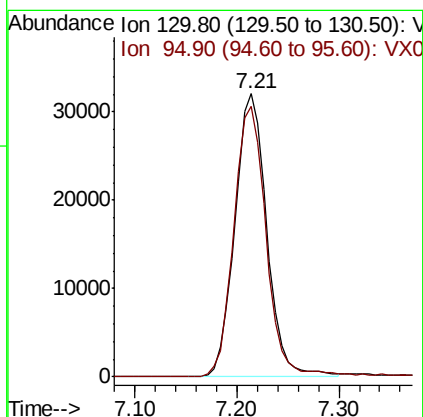
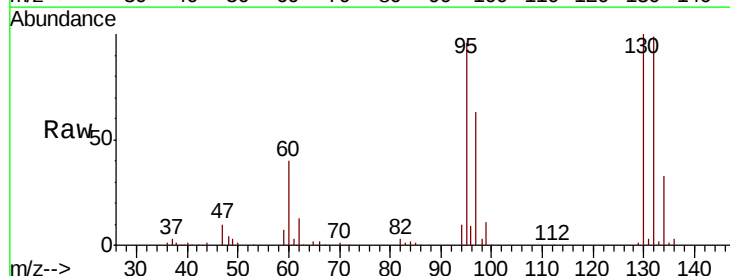
RT: 7.21 min Scan# 994

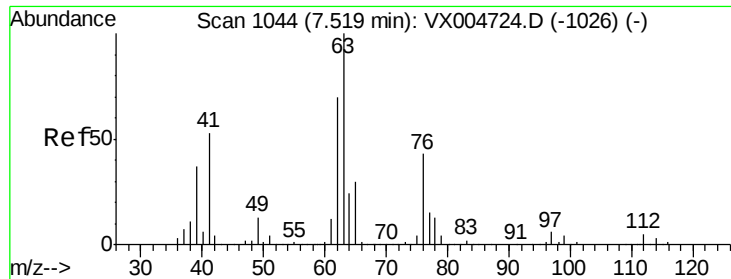
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	130	Resp:	69523
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	186.8





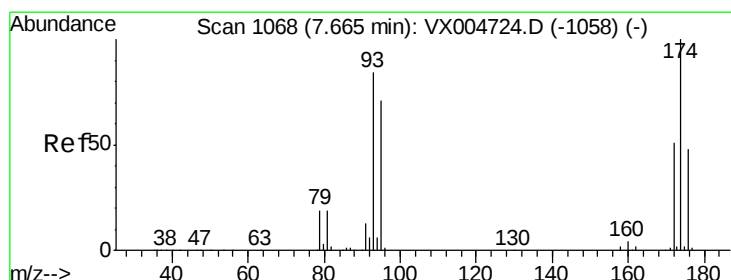
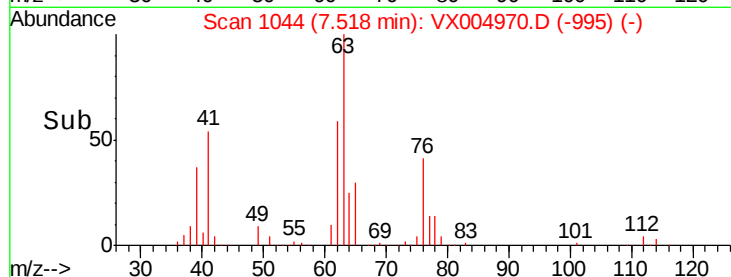
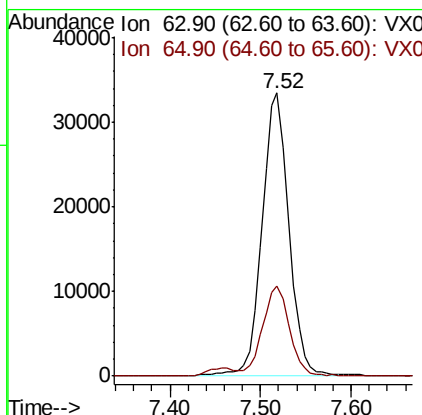
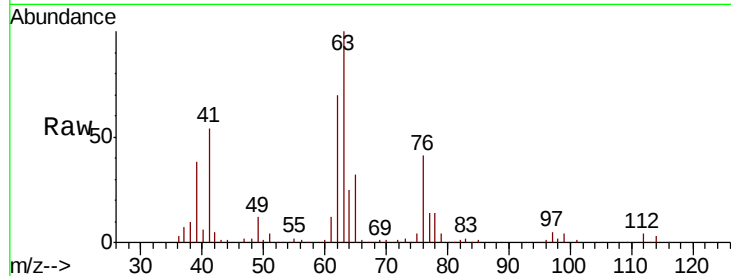
#45
 1,2-Dichloropropane
 Concen: 20.107 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion: 63 Resp: 68527
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.9 35.9

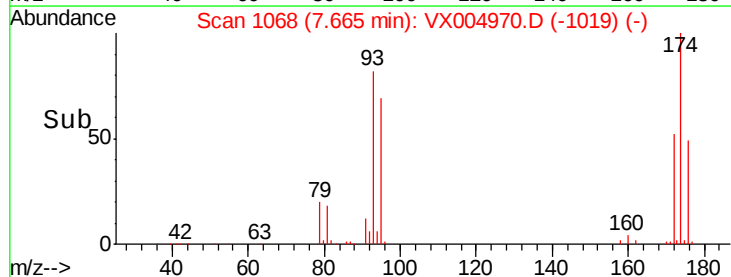
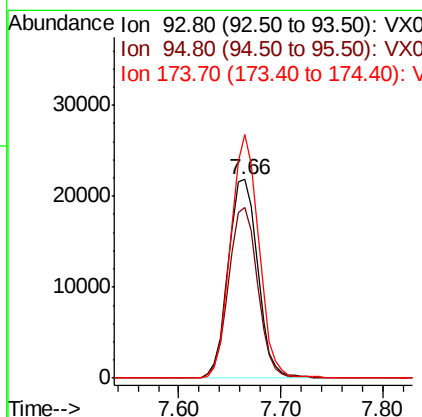
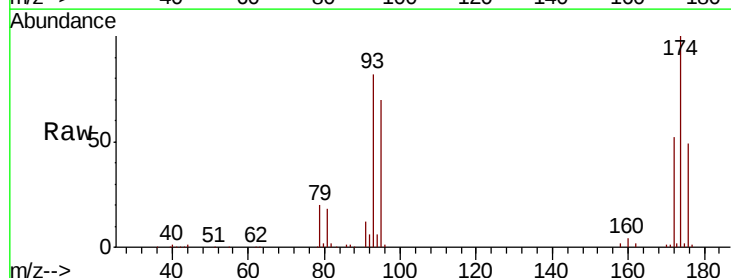
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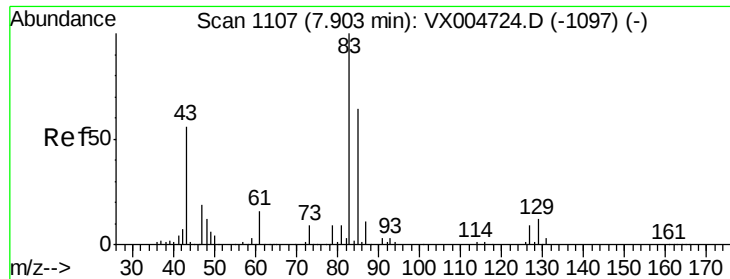
MMDadoda
 10/5/2018 3:24:44 PM



#46
 Dibromomethane
 Concen: 20.415 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion: 93 Resp: 43726
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.7 100.1
 174 116.6 92.7 139.1





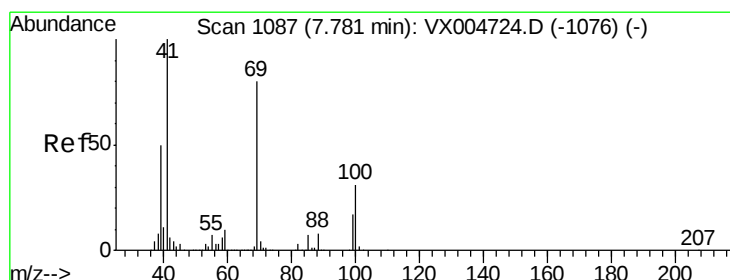
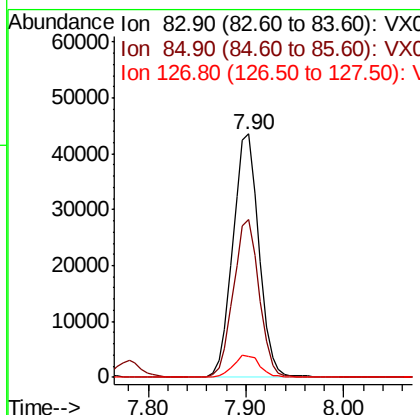
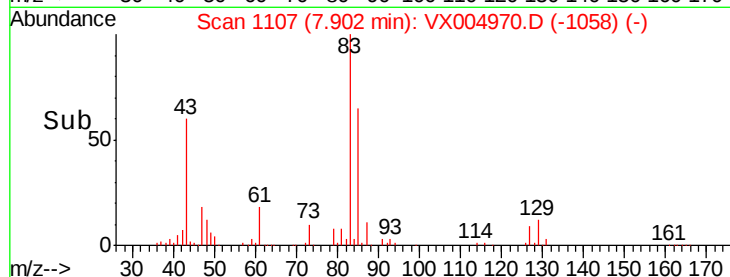
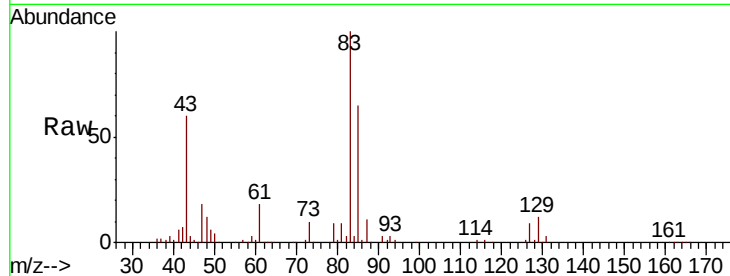
#47
Bromodichloromethane
Concen: 20.142 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	83	Resp	80772
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.7	7.0	10.6

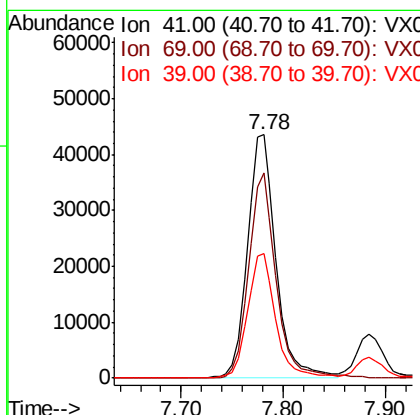
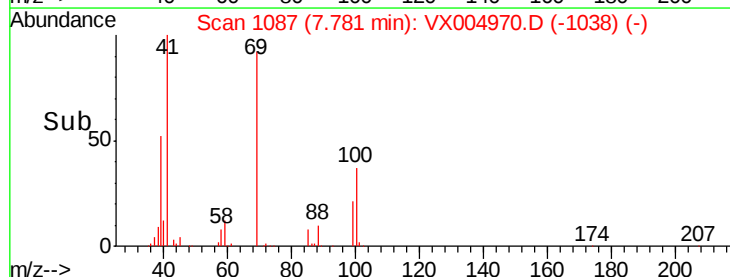
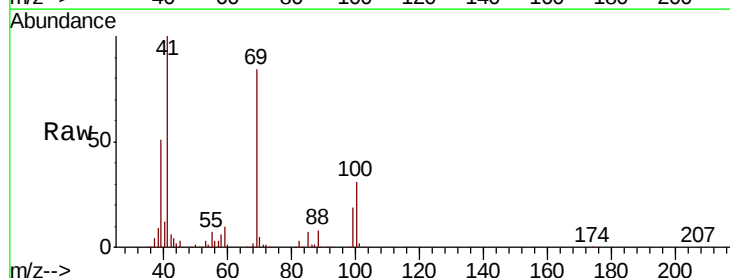
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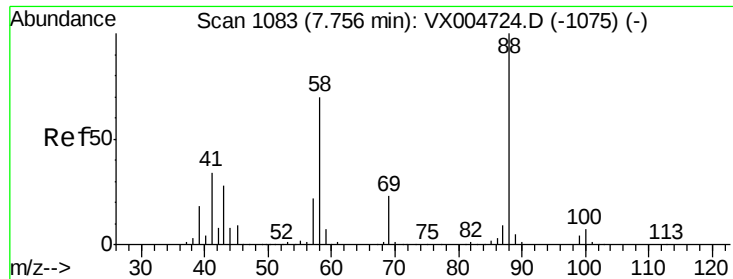
MMDadoda
10/5/2018 3:24:44 PM



#48
Methyl methacrylate
Concen: 21.885 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	41	Resp	84481
Ion Ratio	100	Lower	Upper
41	100		
69	82.4	63.8	95.6
39	50.6	40.7	61.1





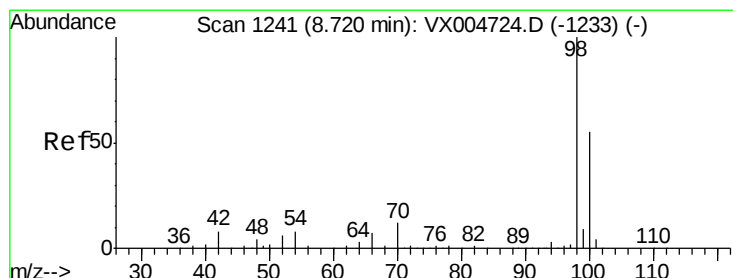
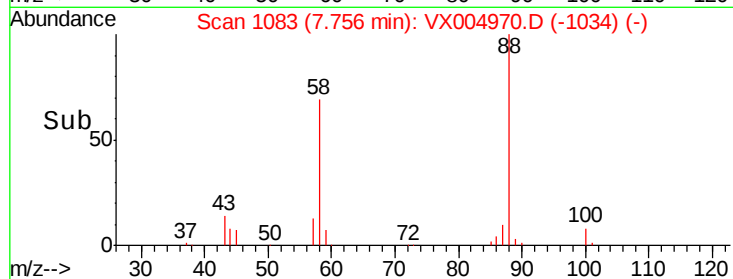
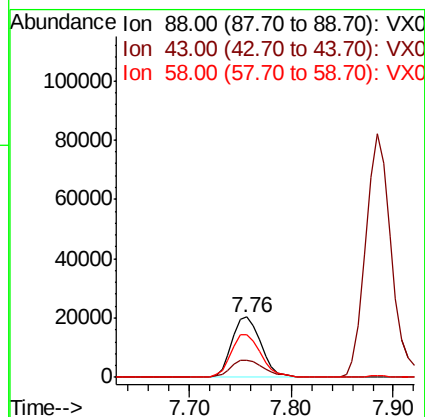
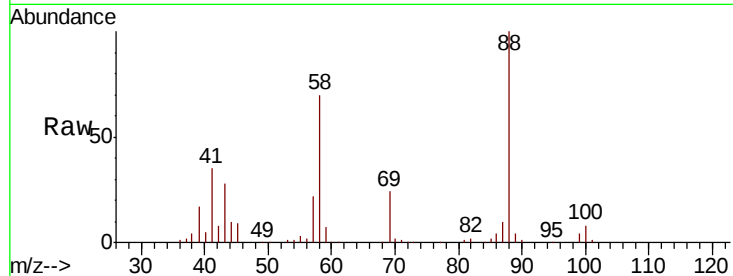
#49
1,4-Dioxane
Concen: 424.041 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.1	37.7
58	73.3	56.2	84.2

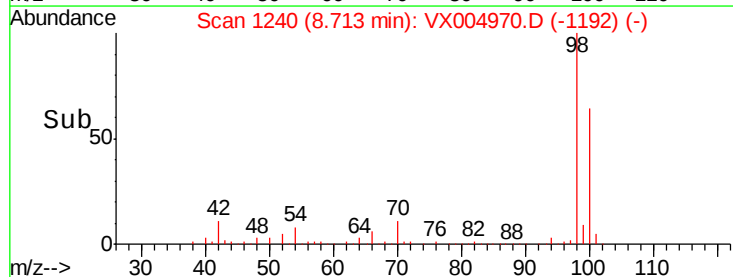
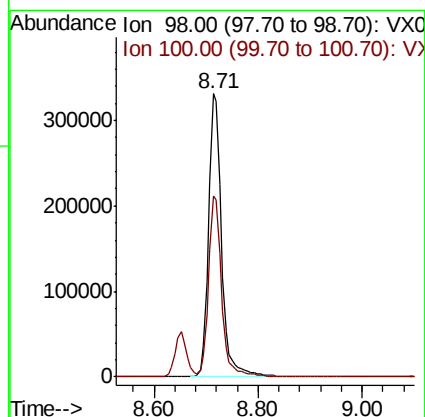
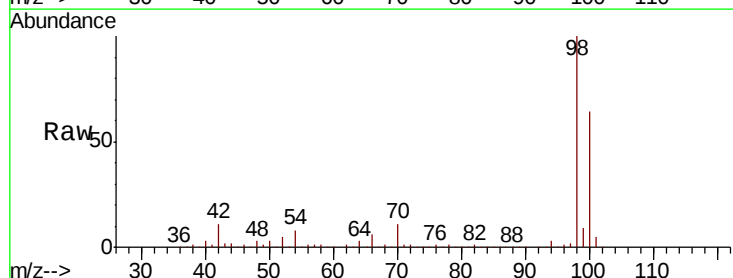
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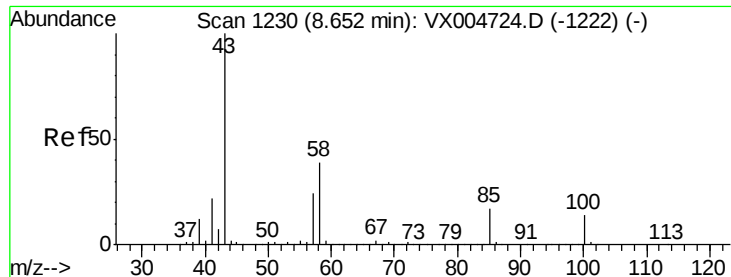
MMDadoda
10/5/2018 3:24:44 PM



#50
Toluene-d8
Concen: 52.773 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





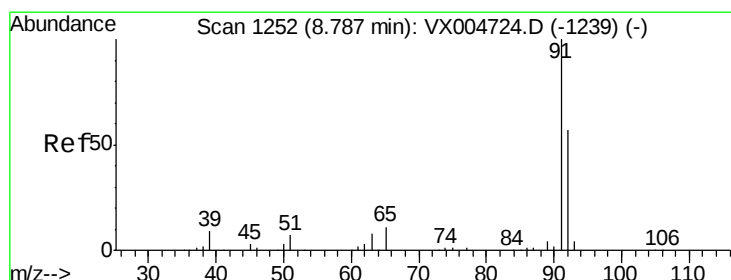
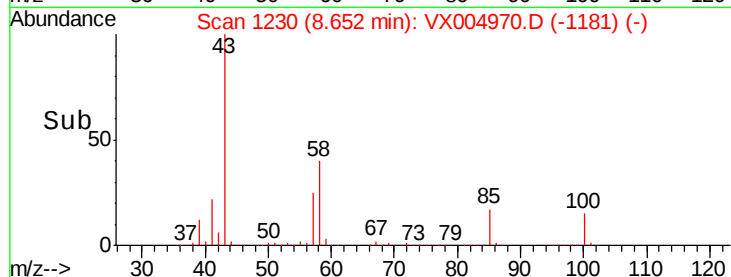
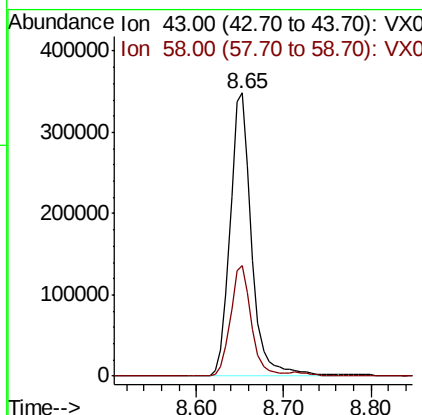
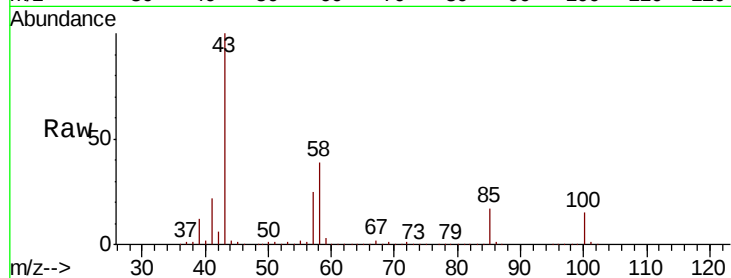
#51
4-Methyl-2-Pentanone
Concen: 111.333 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion: 43 Resp: 596194
Ion Ratio Lower Upper
43 100
58 38.2 30.5 45.7

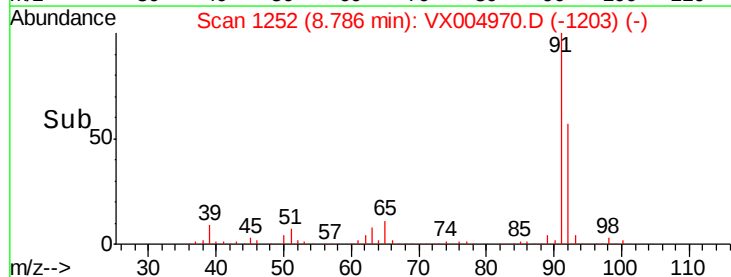
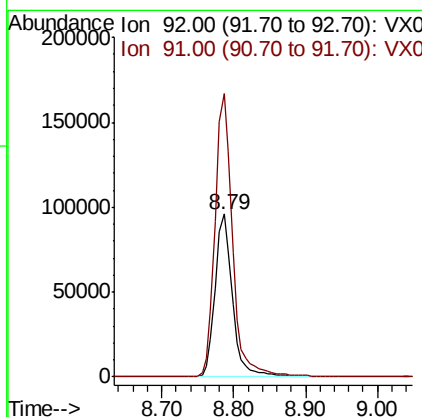
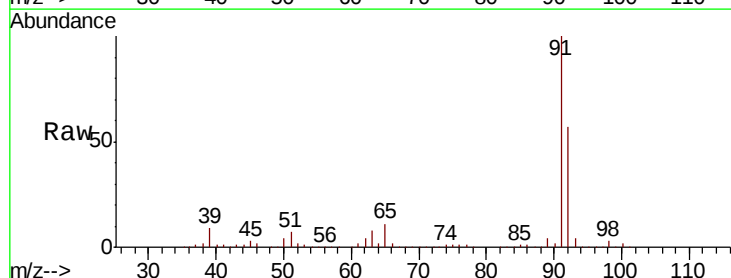
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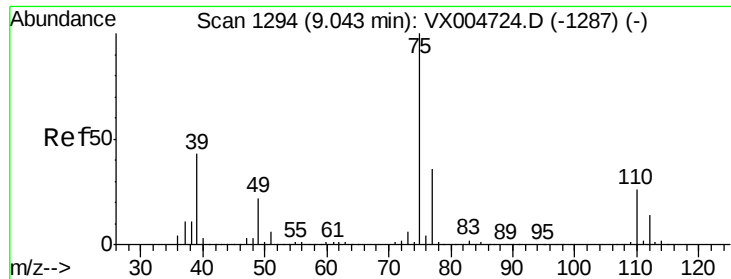
MMDadoda
10/5/2018 3:24:44 PM



#52
Toluene
Concen: 21.092 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion: 92 Resp: 161067
Ion Ratio Lower Upper
92 100
91 175.2 136.7 205.1





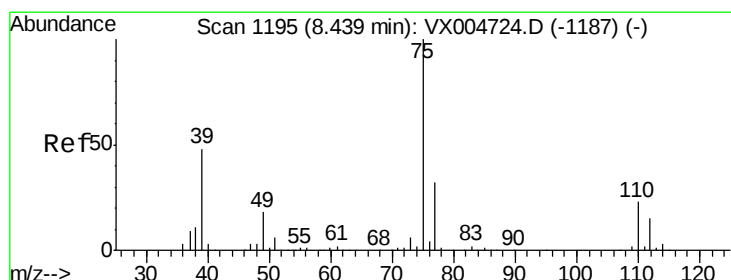
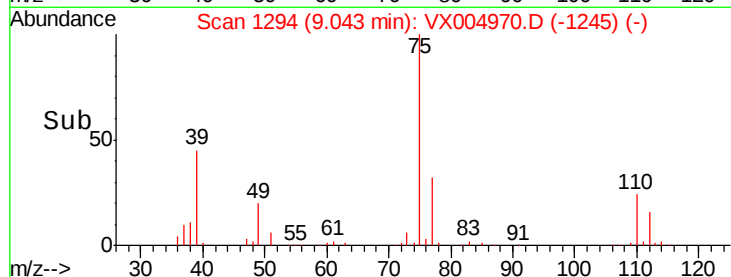
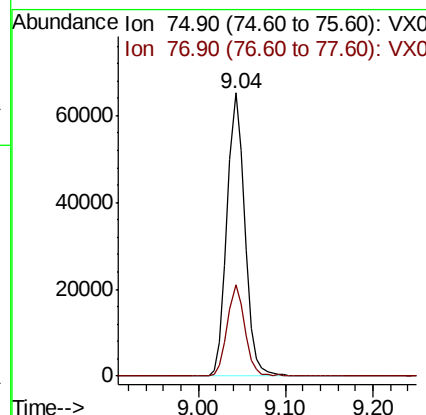
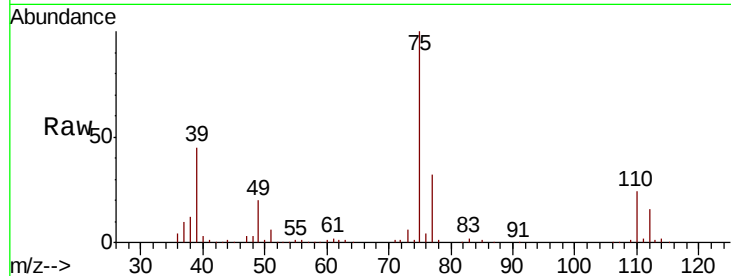
#53
t-1,3-Dichloropropene
Concen: 20.277 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion: 75 Resp: 91889
Ion Ratio Lower Upper
75 100
77 32.1 28.9 43.3

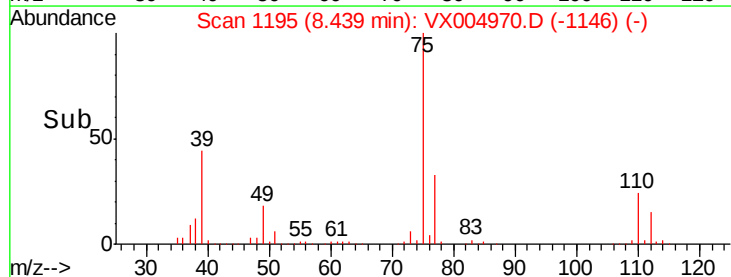
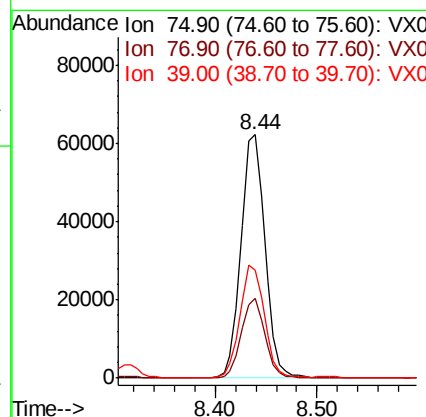
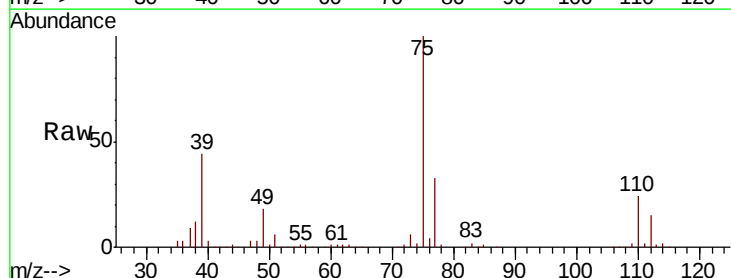
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#54
cis-1,3-Dichloropropene
Concen: 21.365 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion: 75 Resp: 101411
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
39 44.2 38.3 57.5





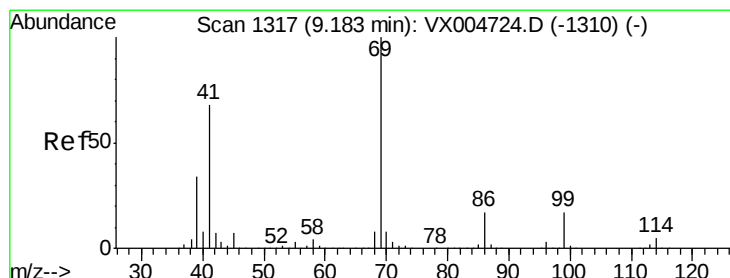
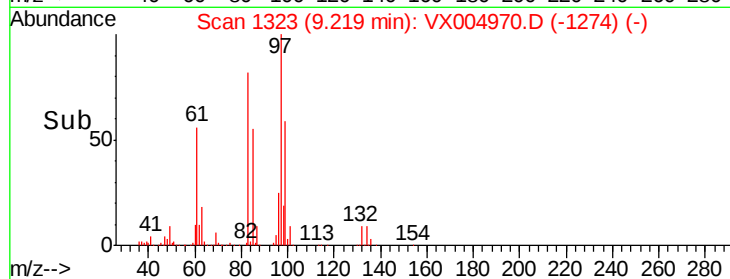
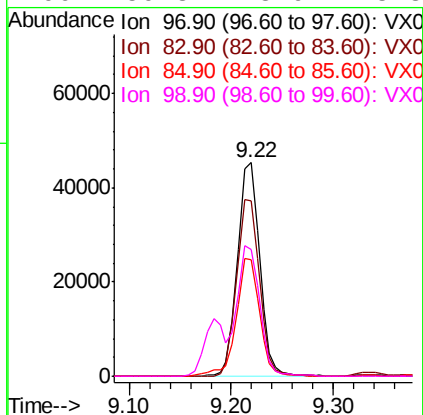
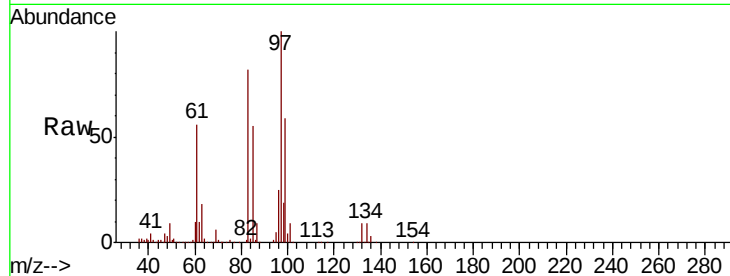
#55
 1,1,2-Trichloroethane
 Concen: 20.504 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion:	97	Resp:	68587
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.2	102.2
85	54.8	49.9	74.9
99	59.3	48.9	73.3

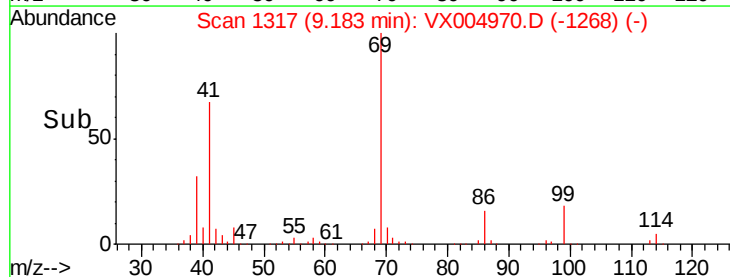
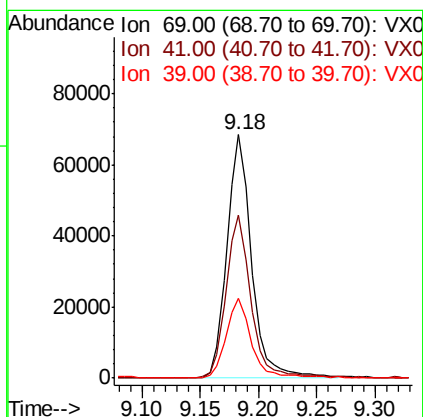
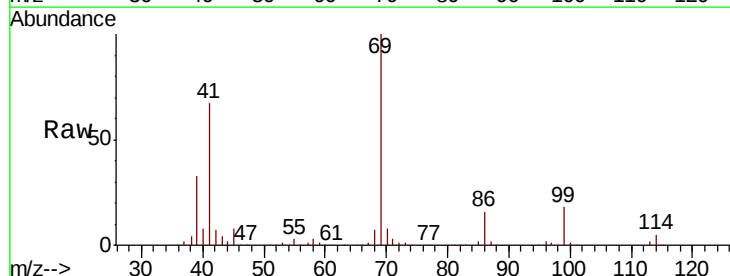
Manual Integrations
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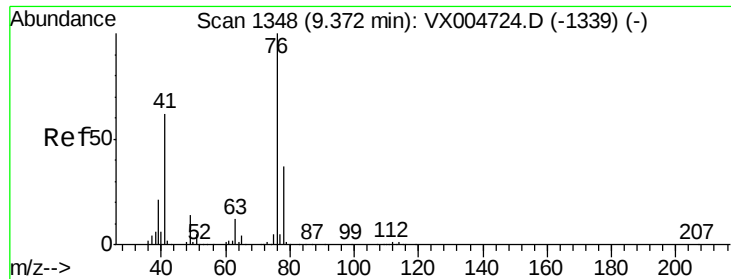
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 10/5/2018 3:24:44 PM



#56
 Ethyl methacrylate
 Concen: 20.394 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion:	69	Resp:	100942
Ion	Ratio	Lower	Upper
69	100		
41	67.4	56.9	85.3
39	33.2	28.4	42.6





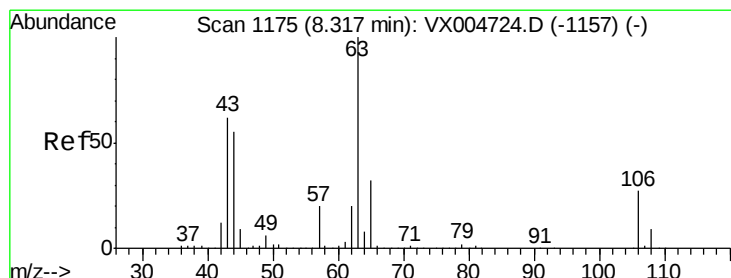
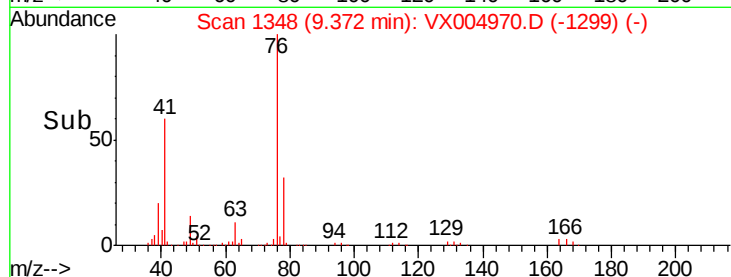
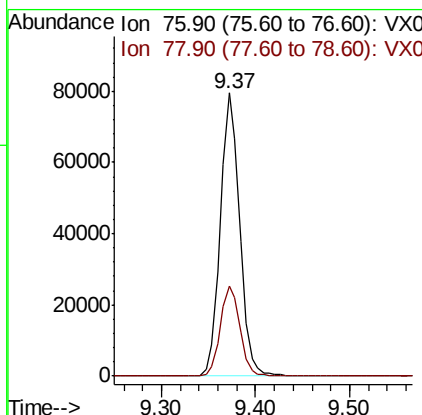
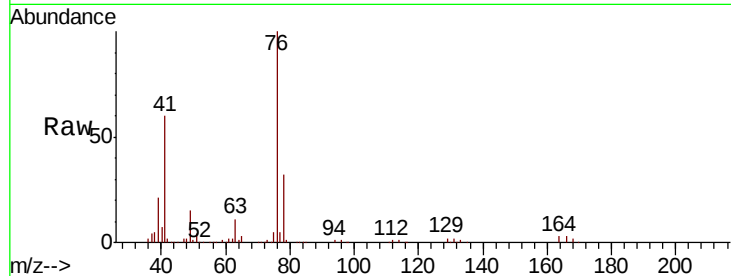
#57
 1,3-Dichloropropane
 Concen: 20.309 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion: 76 Resp: 113063
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.6 40.0

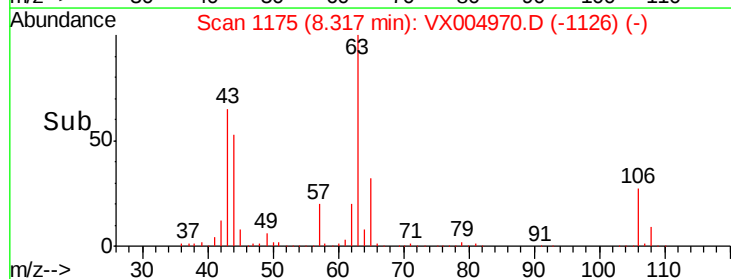
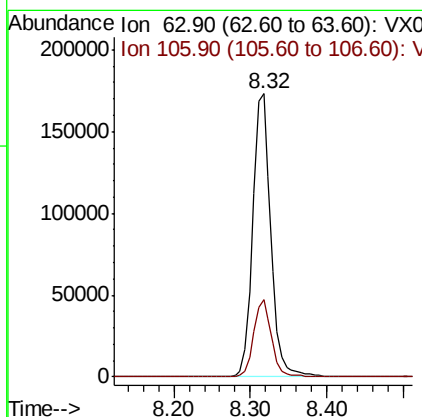
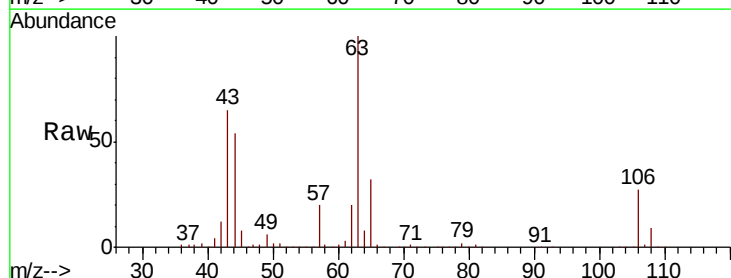
Manual Integrations
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MMDadoda
 10/5/2018 3:24:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.300 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion: 63 Resp: 284414
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.0 31.6





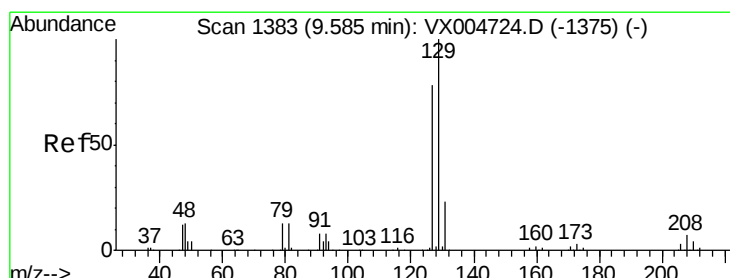
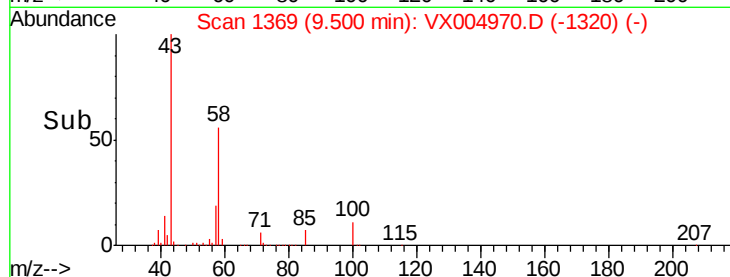
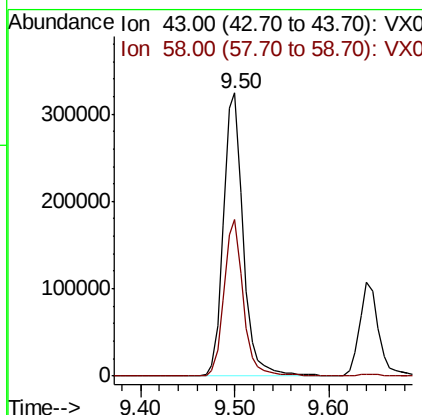
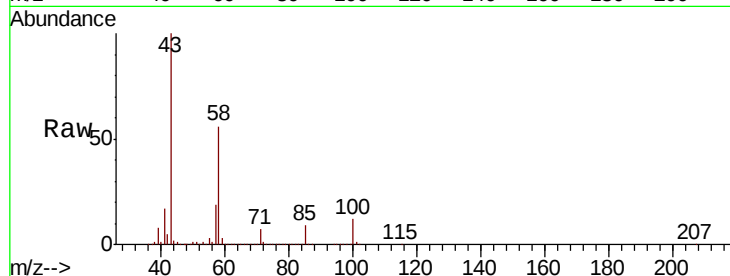
#59
2-Hexanone
Concen: 105.826 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion: 43 Resp: 472246
Ion Ratio Lower Upper
43 100
58 54.0 28.4 85.3

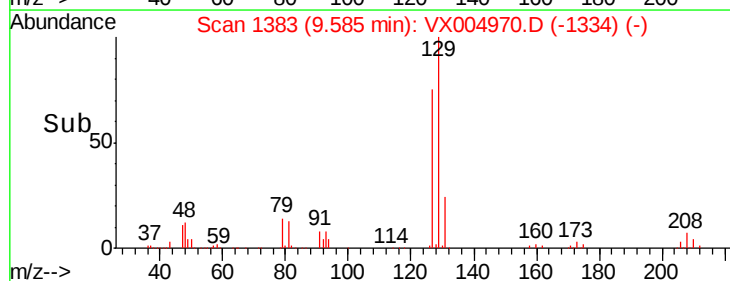
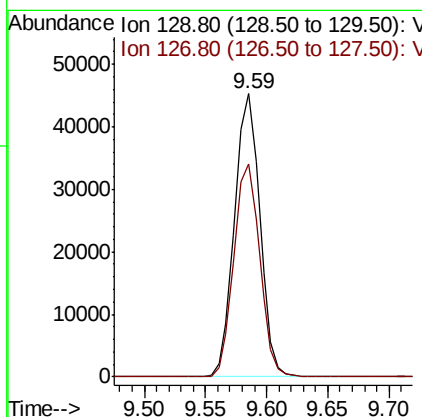
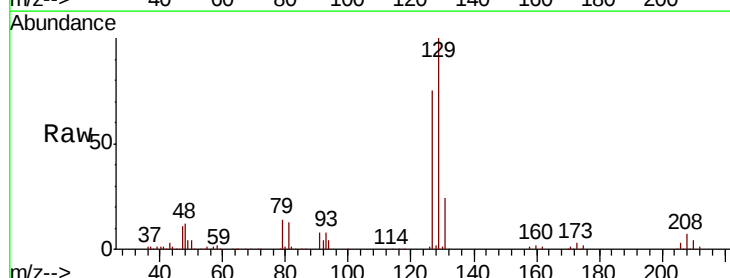
Manual Integrations
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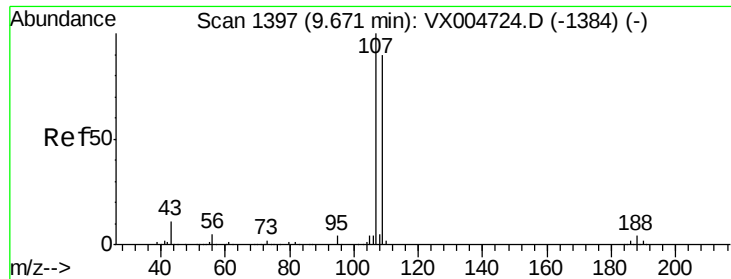
MMDadoda
10/5/2018 3:24:44 PM



#60
Dibromochloromethane
Concen: 19.459 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion: 129 Resp: 65094
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





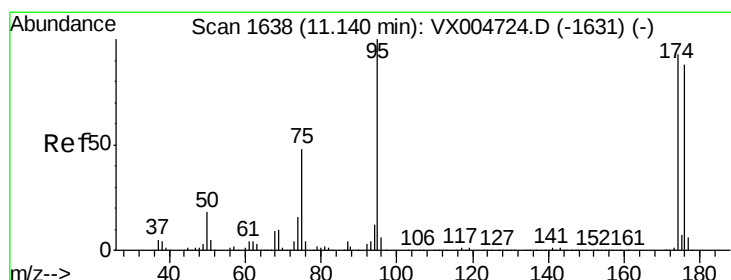
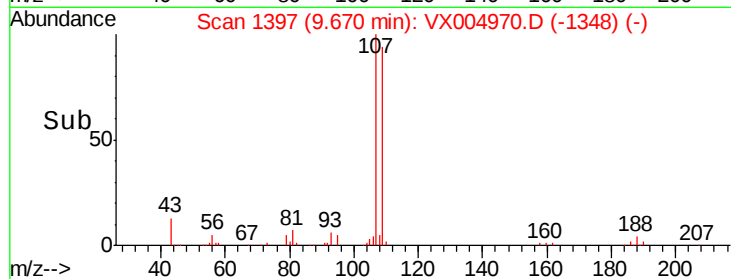
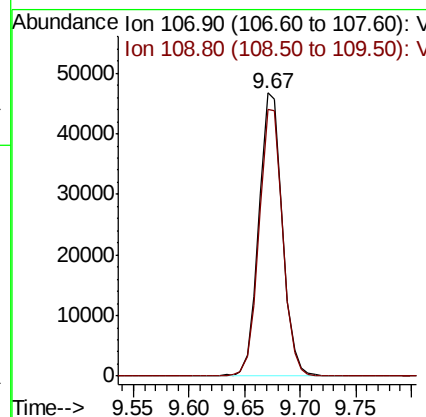
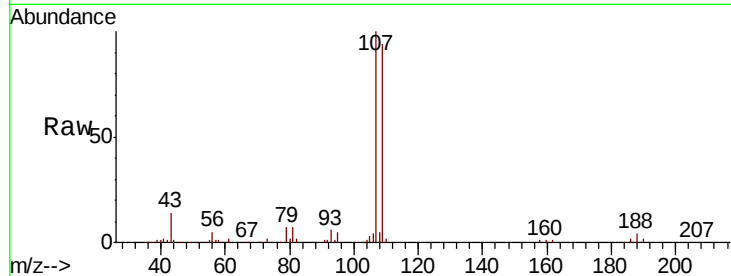
#61
 1,2-Dibromoethane
 Concen: 19.254 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion: 107 Resp: 68976
 Ion Ratio Lower Upper
 107 100
 109 95.1 72.1 108.1

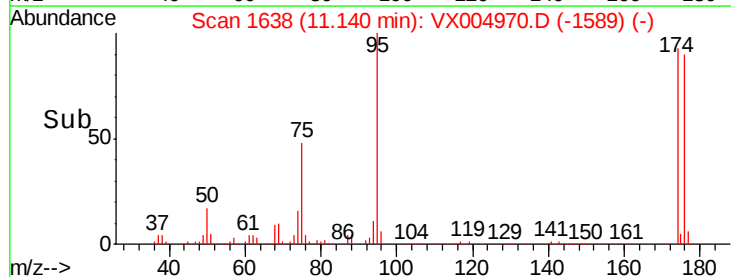
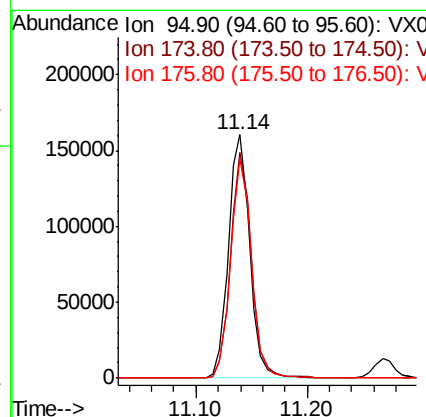
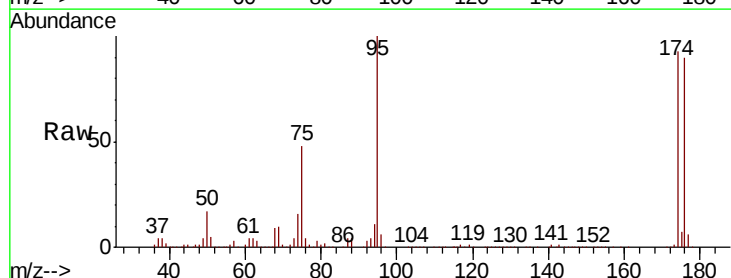
Manual Integrations
 APPROVED

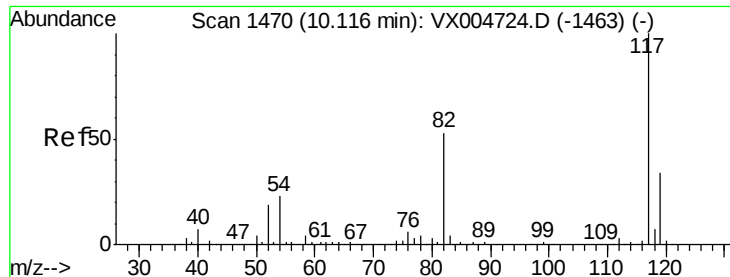
MMDadoda
 10/5/2018 3:24:44 PM



#62
 4-Bromofluorobenzene
 Concen: 54.371 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion: 95 Resp: 211869
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 185.0
 176 88.4 0.0 180.2





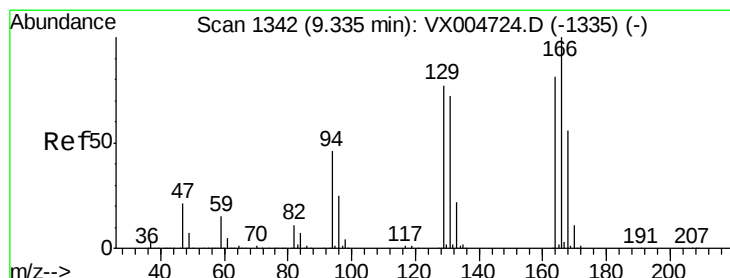
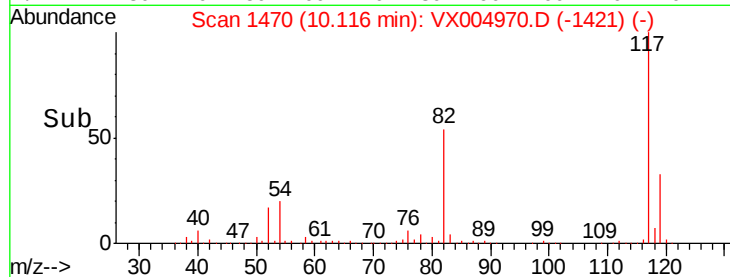
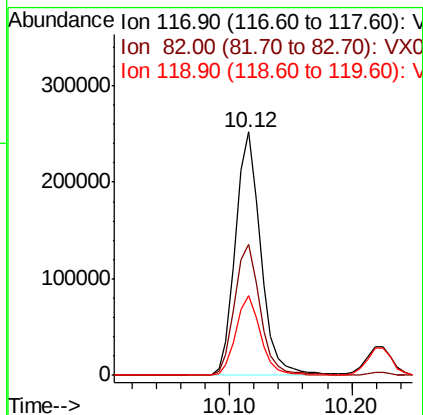
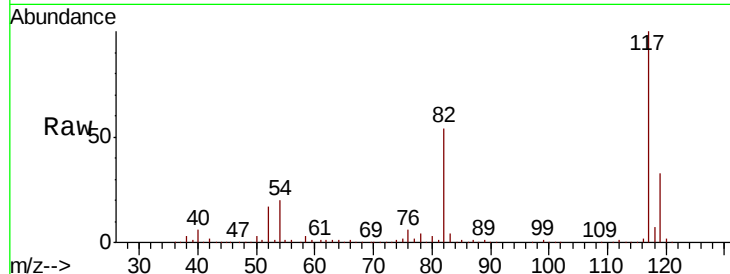
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	359867		
82	53.8	42.2	63.4	
119	32.6	27.4	41.0	

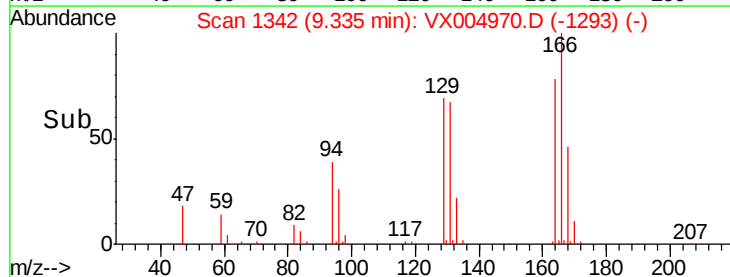
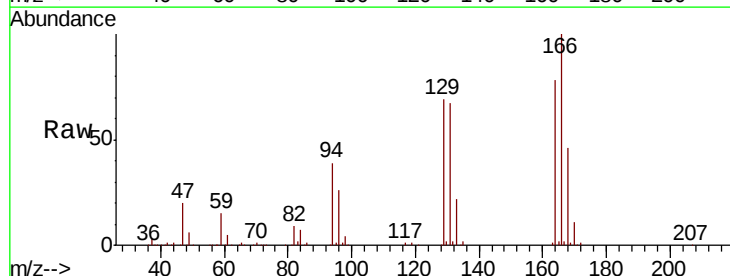
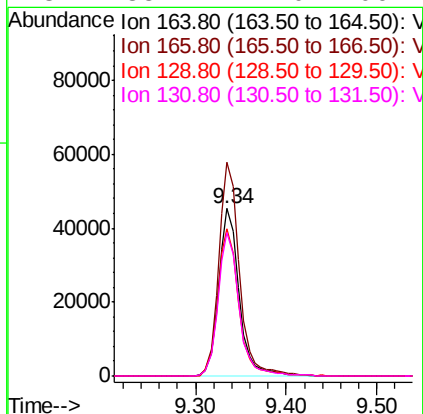
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.301 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71903		
166	127.5	98.4	147.6	
129	88.0	76.1	114.1	
131	85.4	71.0	106.4	





#65

Chlorobenzene

Concen: 19.597 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS01

Tot Ion:112 Resp: 180840

Ion Ratio Lower Upper

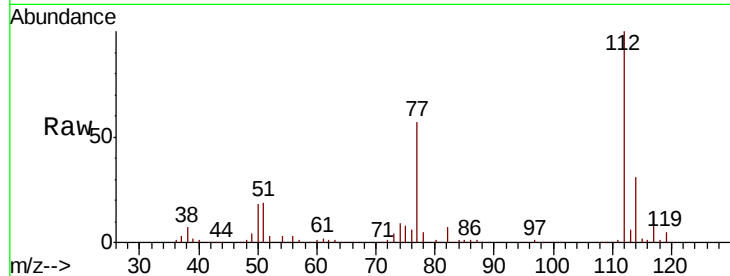
112 100

114 31.2 26.7 40.1

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

150000

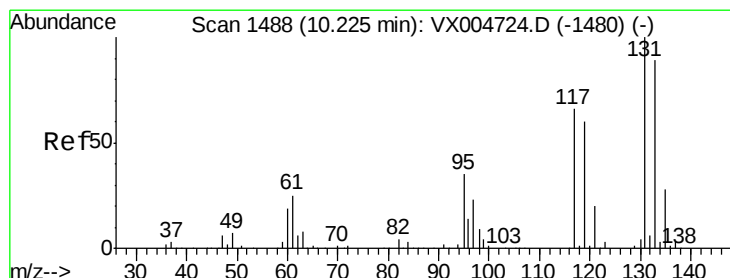
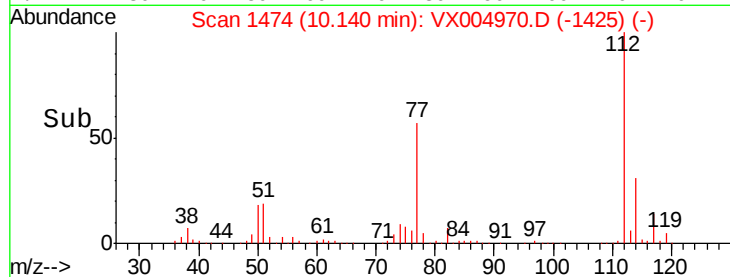
100000

50000

0

Time-->

10.00 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 19.422 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

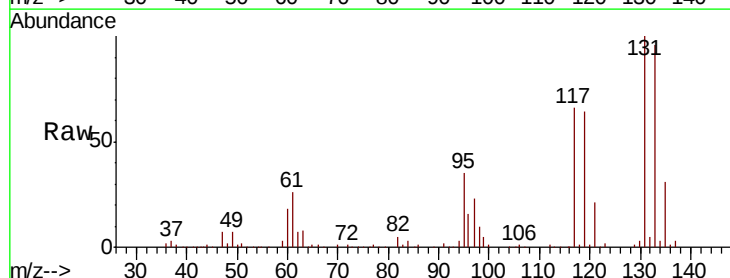
Tgt Ion:131 Resp: 63007

Ion Ratio Lower Upper

131 100

133 96.3 48.4 145.0

119 66.0 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

30000

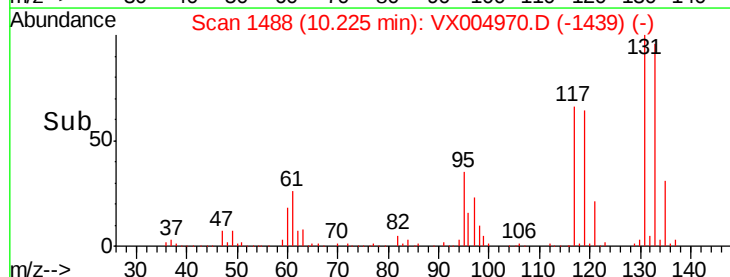
20000

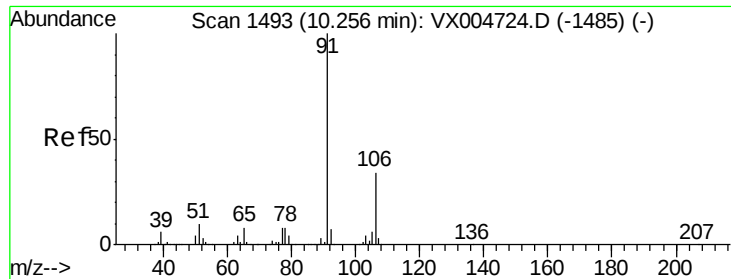
10000

0

Time-->

10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 20.506 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 91 Resp: 300421

Ion Ratio Lower Upper

91 100

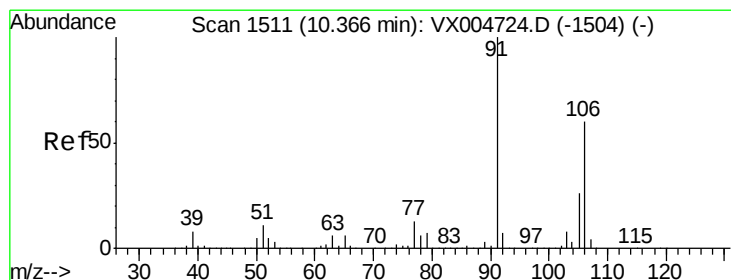
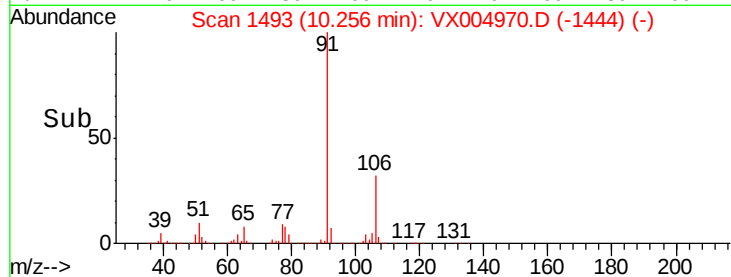
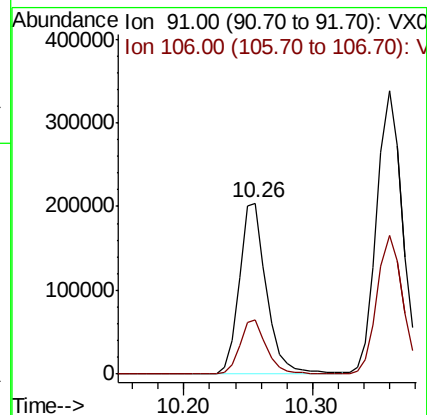
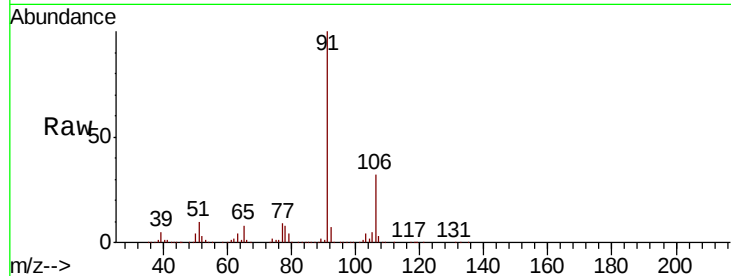
106 31.9 26.9 40.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.342 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004970.D

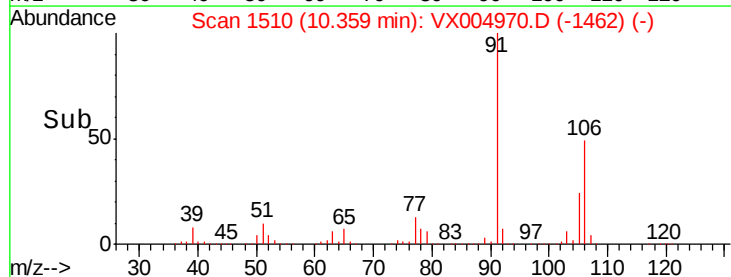
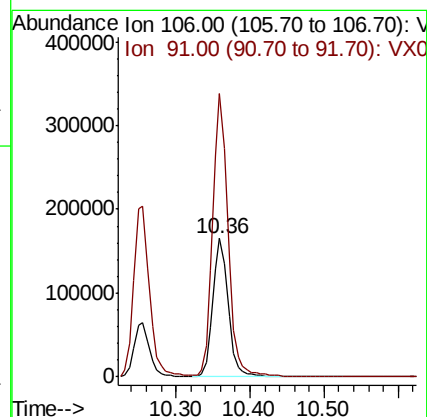
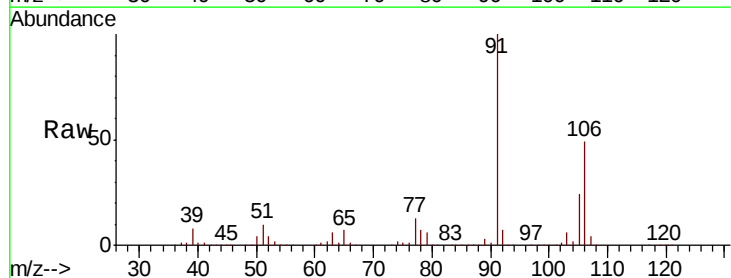
Acq: 03 Oct 2018 15:46

Tgt Ion: 106 Resp: 236686

Ion Ratio Lower Upper

106 100

91 203.3 157.5 236.3





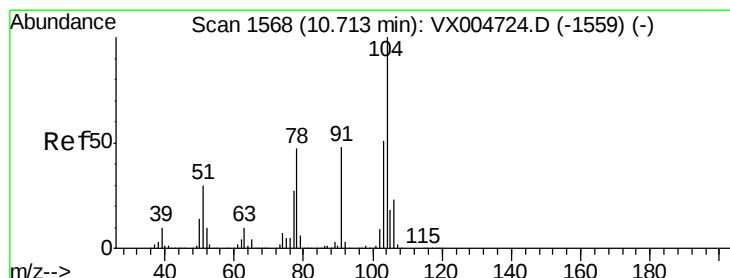
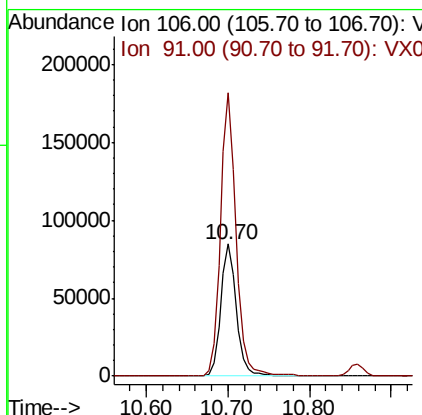
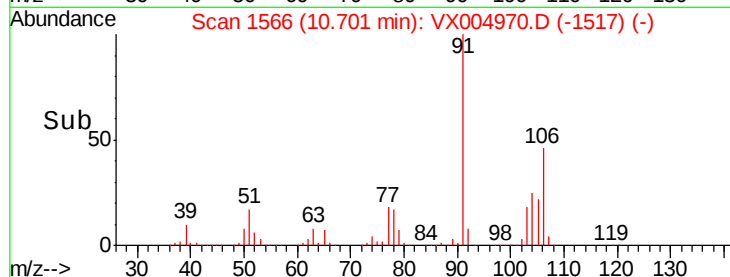
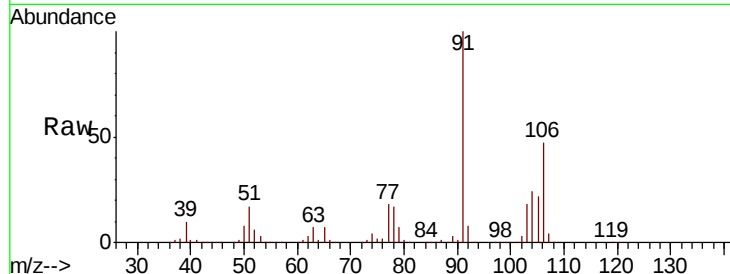
#69
o-Xylene
Concen: 21.681 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.2	108.3	324.8		

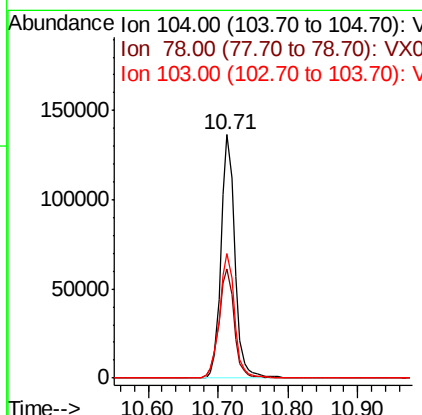
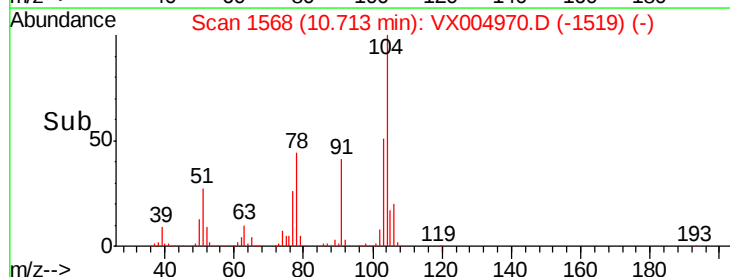
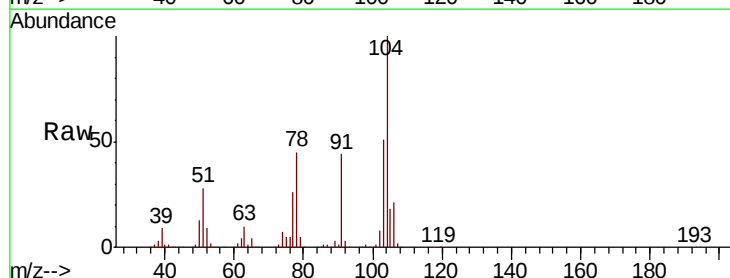
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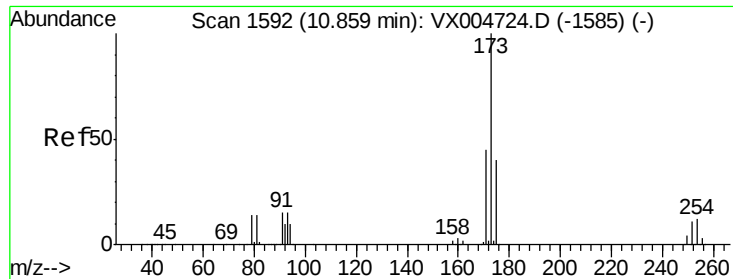
MMDadoda
10/5/2018 3:24:44 PM



#70
Styrene
Concen: 20.538 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.2	40.0	60.0		
103	55.7	44.3	66.5		





#71

Bromoform

Concen: 18.253 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

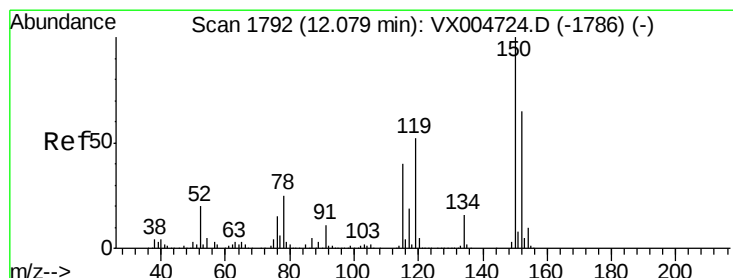
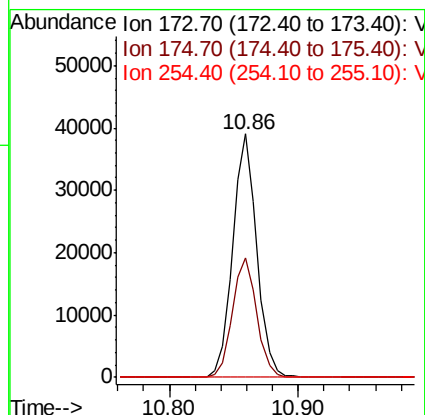
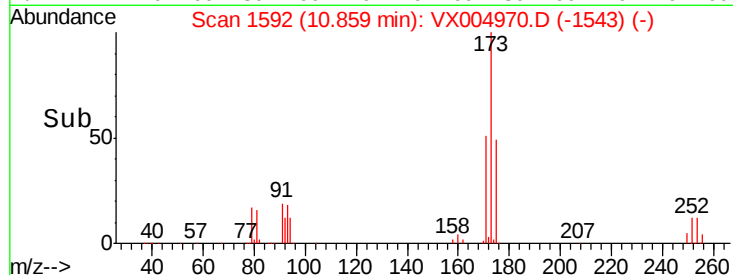
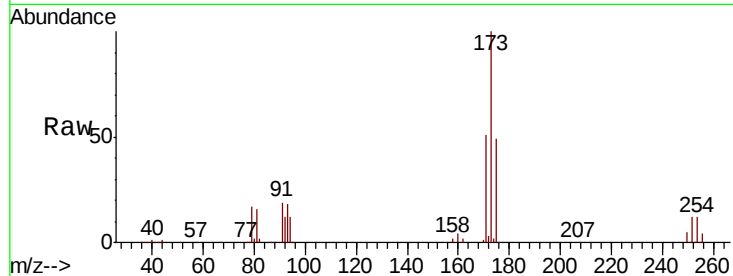
ClientSampleId :

VX1004WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.3	69.8
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

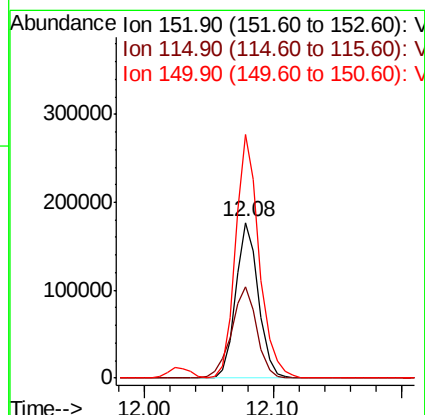
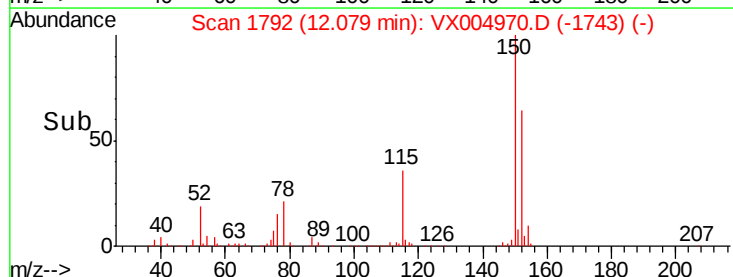
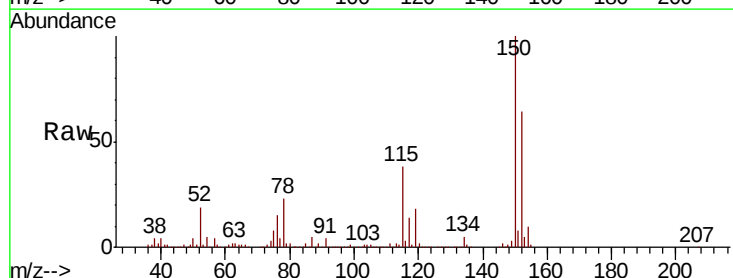
RT: 12.08 min Scan# 1792

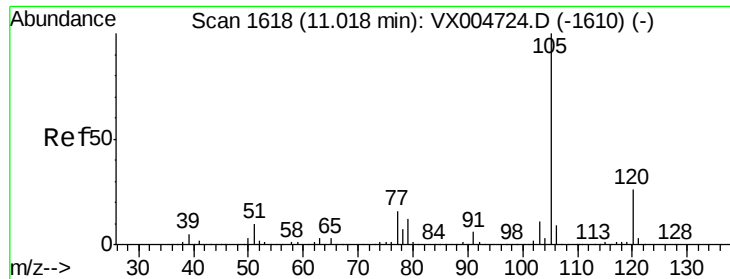
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.8	40.2	120.6
150	163.0	0.0	351.0





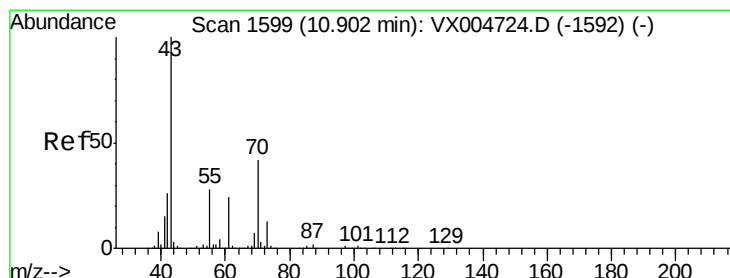
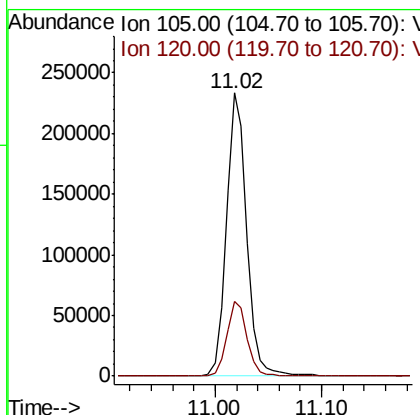
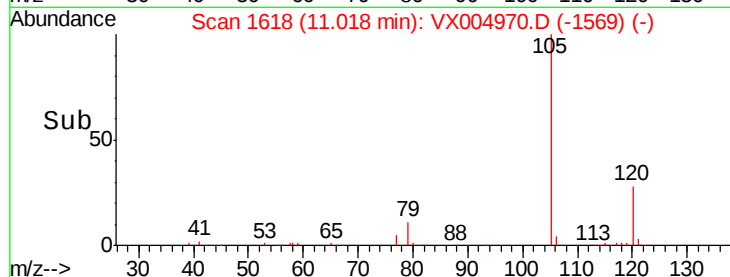
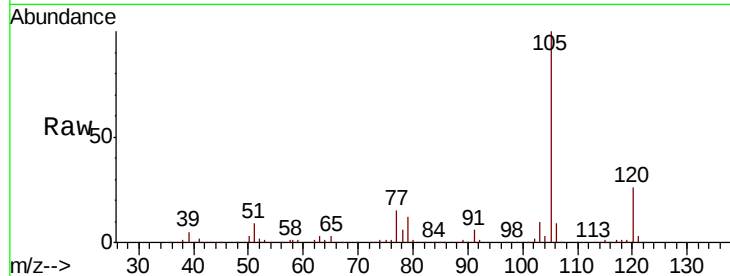
#73
Isopropylbenzene
Concen: 22.615 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampled :
VX1004WBS01

Tot Ion: 105 Resp: 309773
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

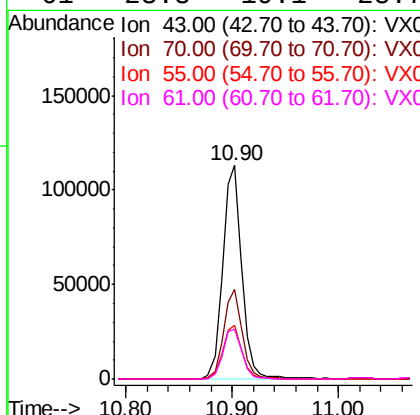
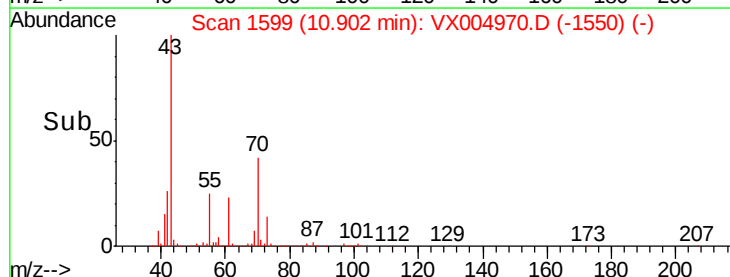
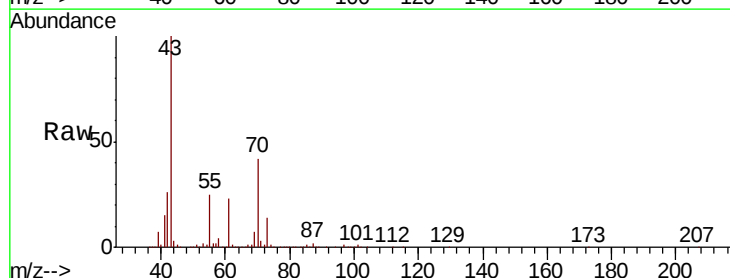
Manual Integrations
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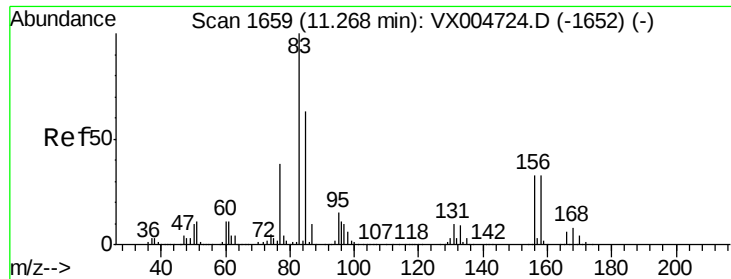
MMDadoda
10/5/2018 3:24:44 PM



#74
N-ethyl acetate
Concen: 19.795 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion: 43 Resp: 140801
Ion Ratio Lower Upper
43 100
70 41.0 32.6 48.8
55 25.3 21.6 32.4
61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.203 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 83 Resp: 107075

Ion Ratio Lower Upper

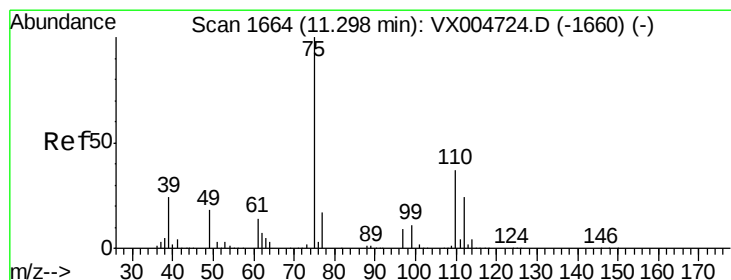
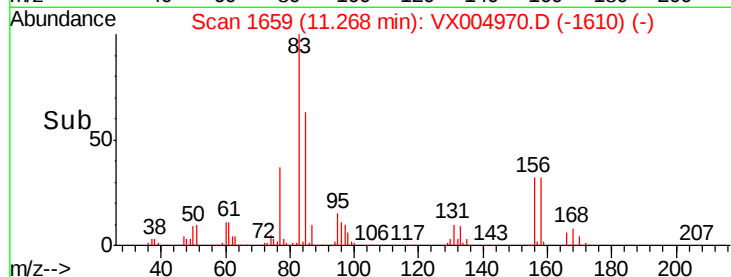
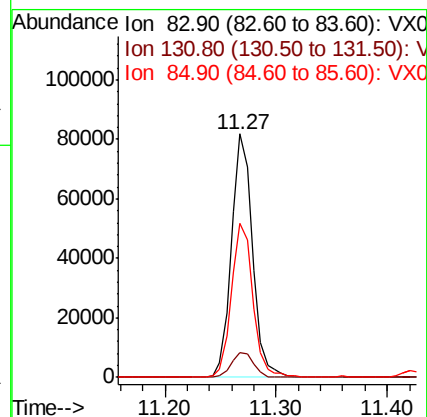
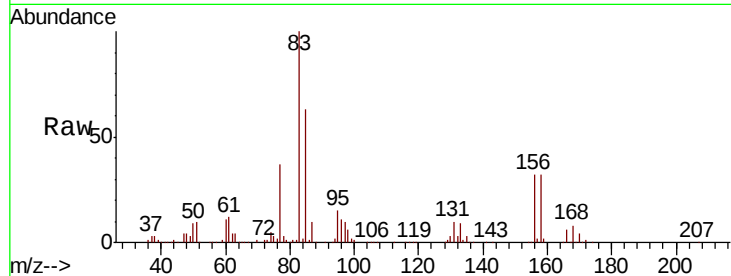
83 100

131 10.7 5.1 15.3

85 64.5 31.9 95.9

Manual Integrations
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10/5/2018 3:24:44 PM



#76

1,2,3-Trichloropropane

Concen: 20.422 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004970.D

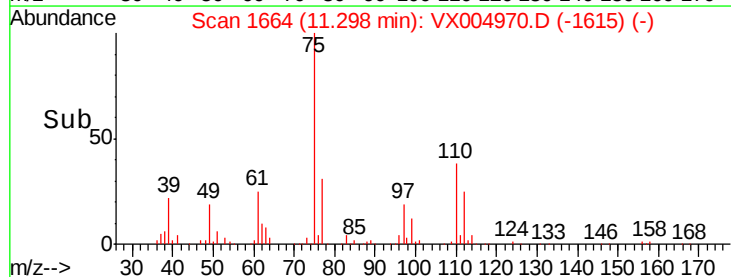
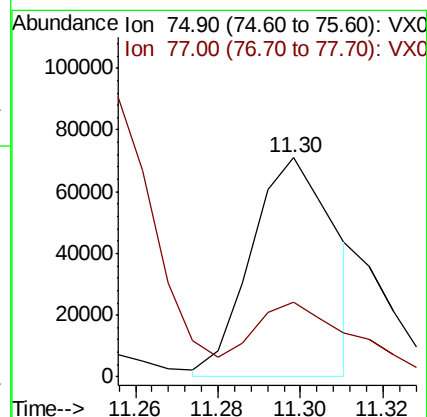
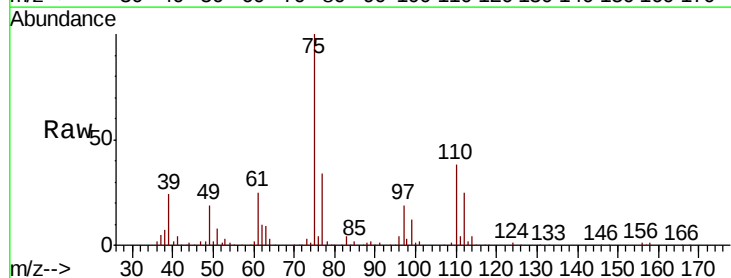
Acq: 03 Oct 2018 15:46

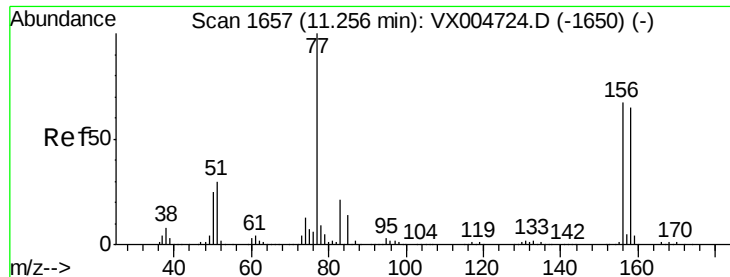
Tgt Ion: 75 Resp: 99472

Ion Ratio Lower Upper

75 100

77 41.1 21.4 64.3





#77

Bromobenzene

Concen: 20.712 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion:156 Resp: 82406

Ion Ratio Lower Upper

156 100

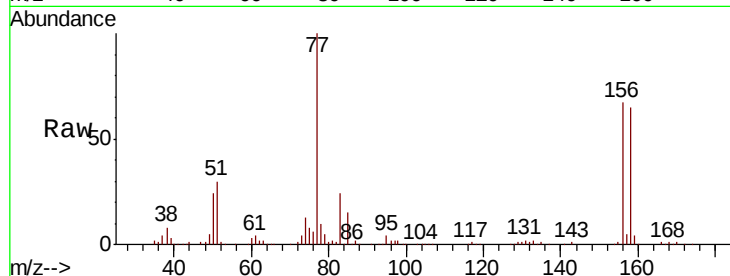
77 147.2 73.4 220.2

158 97.5 49.1 147.4

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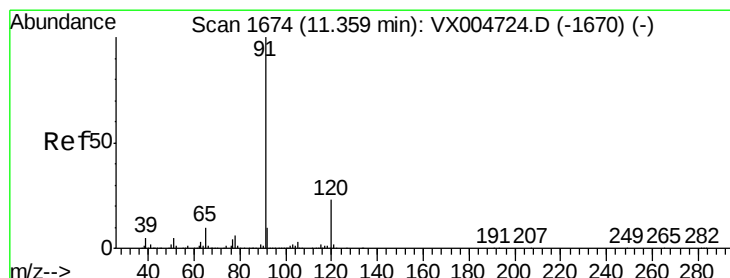
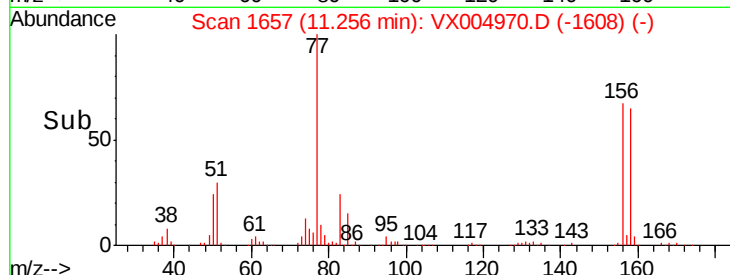
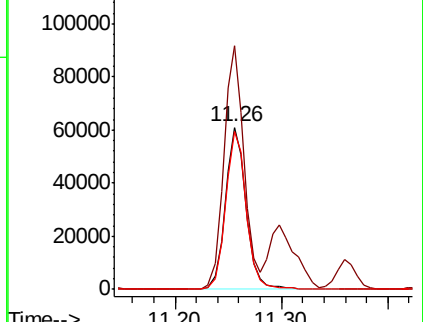
10/5/2018 3:24:44 PM



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: 22.626 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004970.D

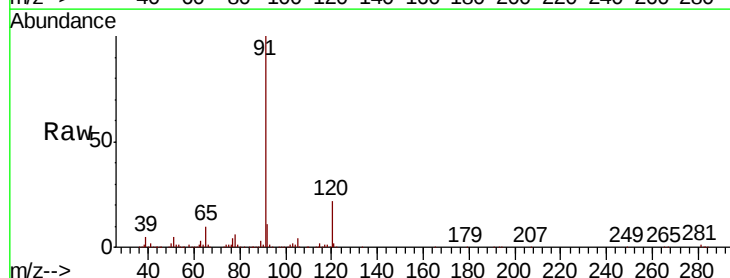
Acq: 03 Oct 2018 15:46

Tgt Ion: 91 Resp: 355606

Ion Ratio Lower Upper

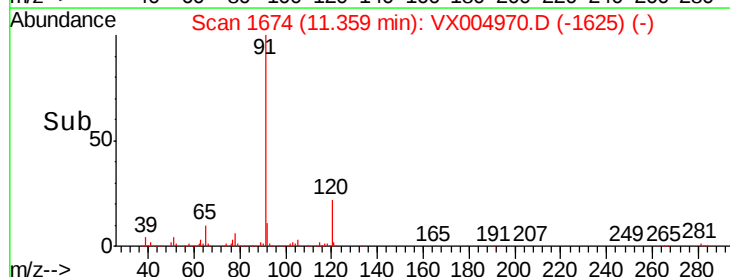
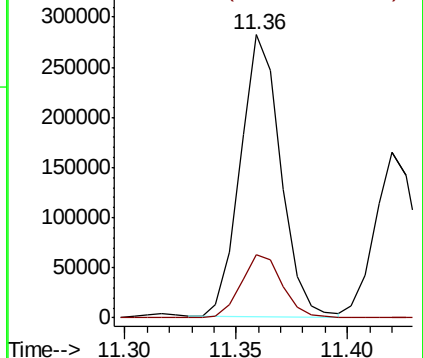
91 100

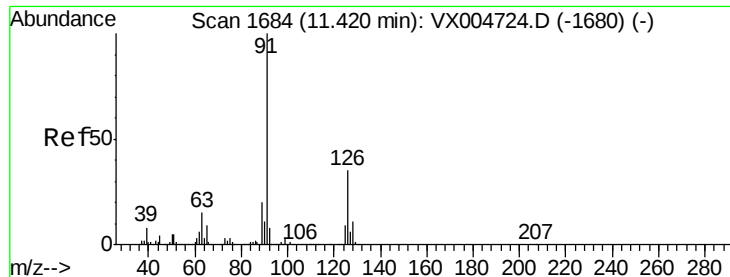
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.663 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 91 Resp: 212222

Ion Ratio Lower Upper

91 100

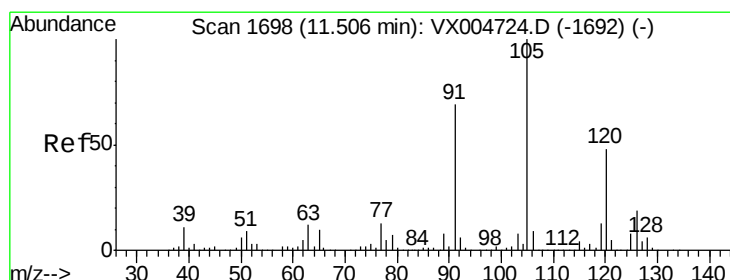
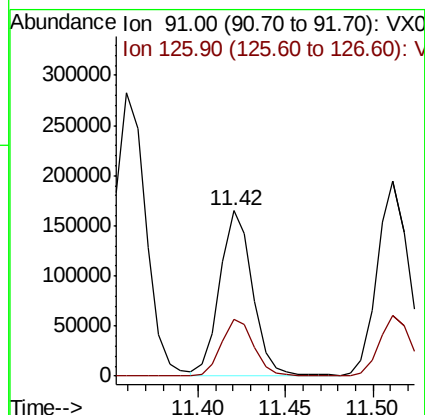
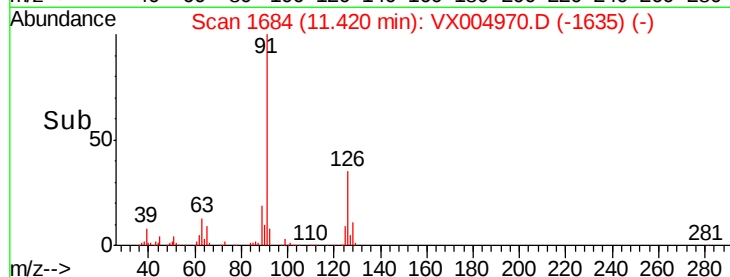
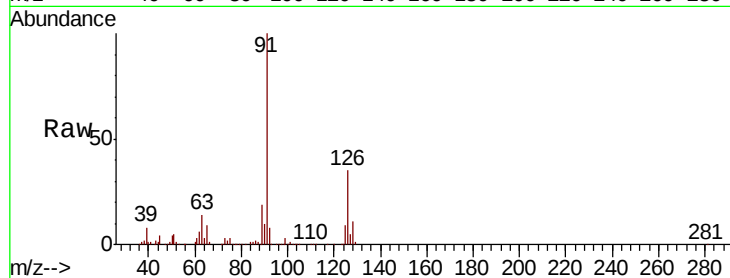
126 34.8 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.564 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004970.D

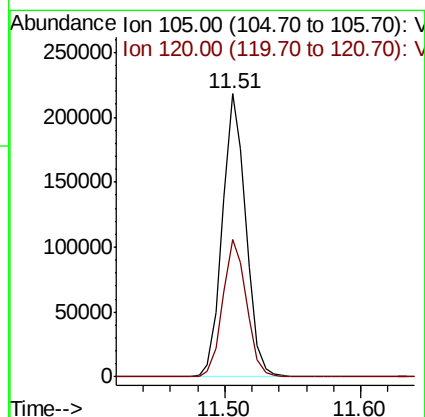
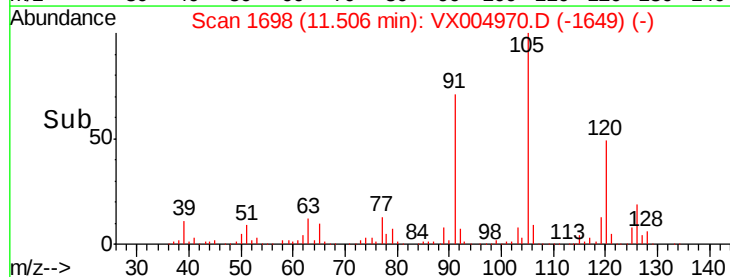
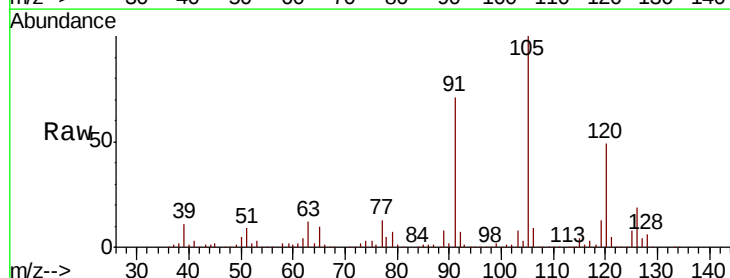
Acq: 03 Oct 2018 15:46

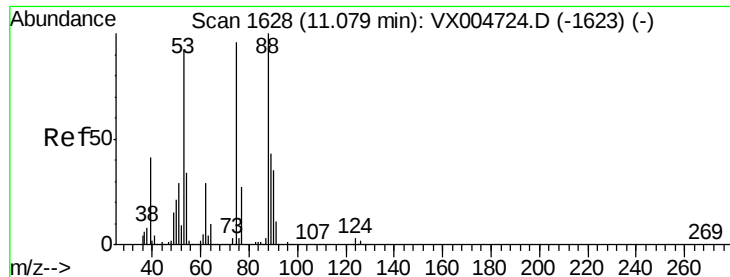
Tgt Ion: 105 Resp: 259637

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.524 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS01

Tot Ion: 75 Resp: 28896

Ion Ratio Lower Upper

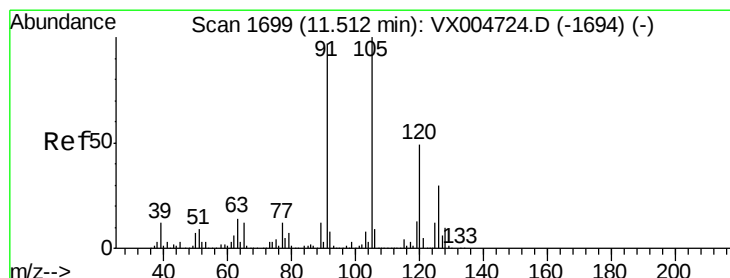
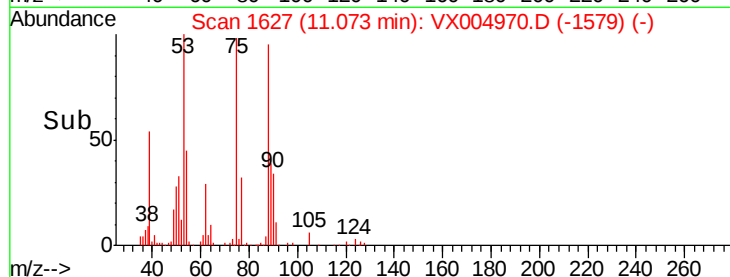
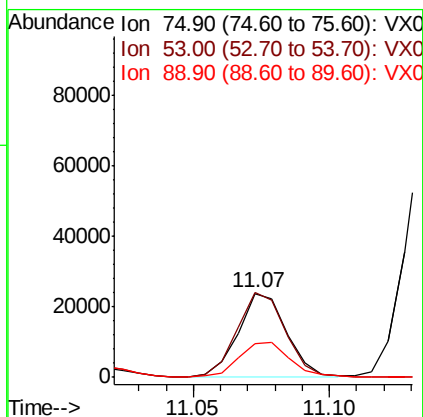
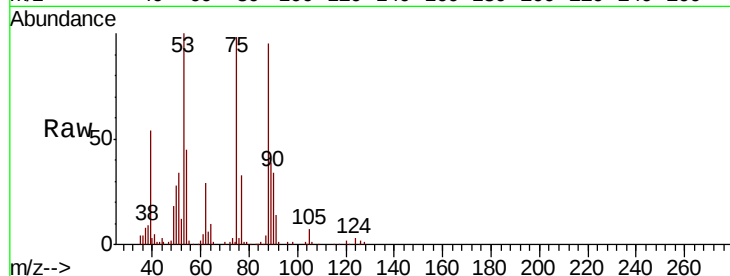
75 100

53 103.0 80.2 120.4

89 45.3 37.1 55.7

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#82

4-Chlorotoluene

Concen: 21.625 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004970.D

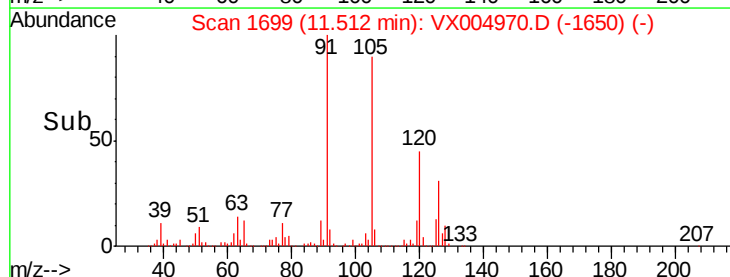
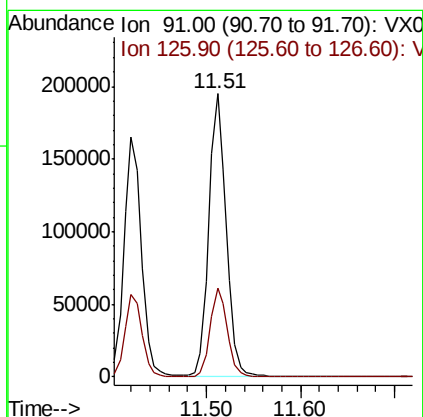
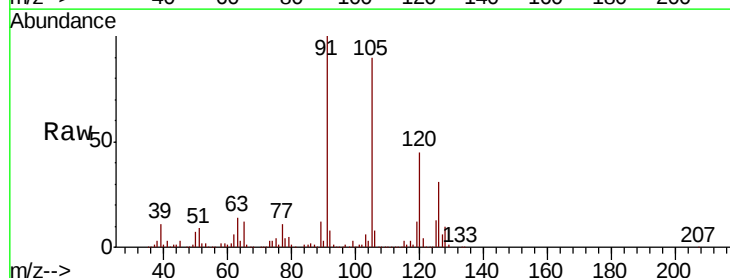
Acq: 03 Oct 2018 15:46

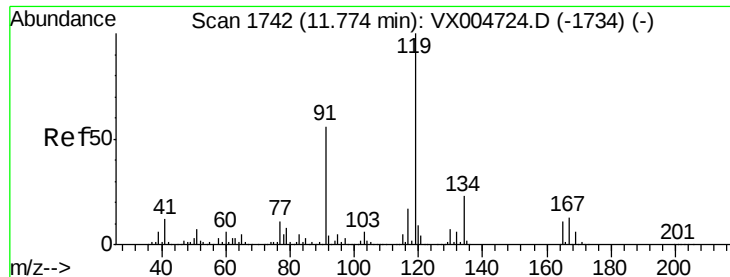
Tgt Ion: 91 Resp: 249362

Ion Ratio Lower Upper

91 100

126 30.9 15.5 46.5





#83

tert-Butylbenzene

Concen: 22.625 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

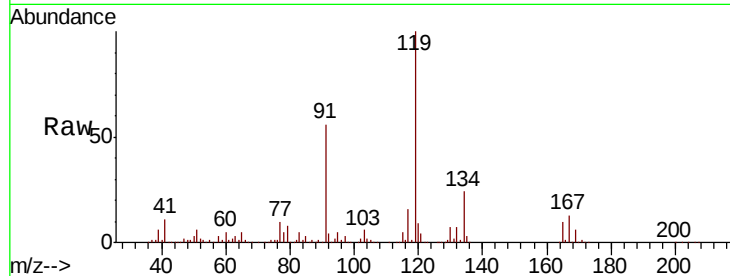
ClientSampled :

VX1004WBS01

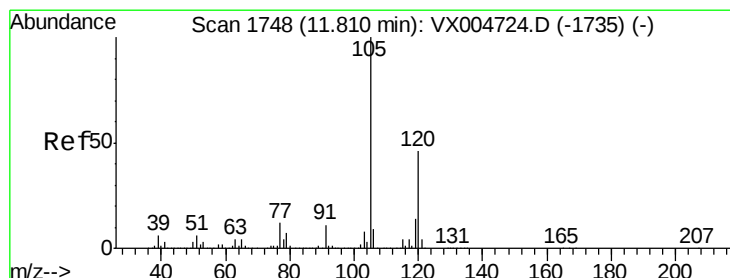
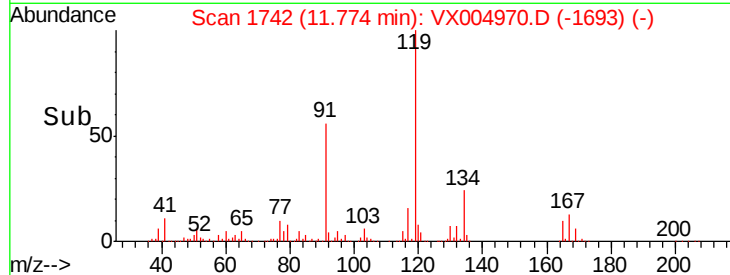
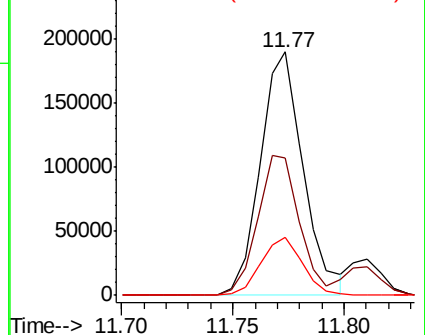
Tot Ion:	119	Resp:	255167
Ion Ratio		Lower	Upper
119	100		
91	55.7	27.5	82.5
134	23.2	11.5	34.4

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.758 ug/l

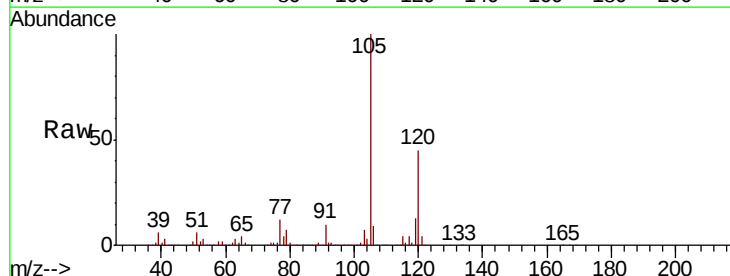
RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

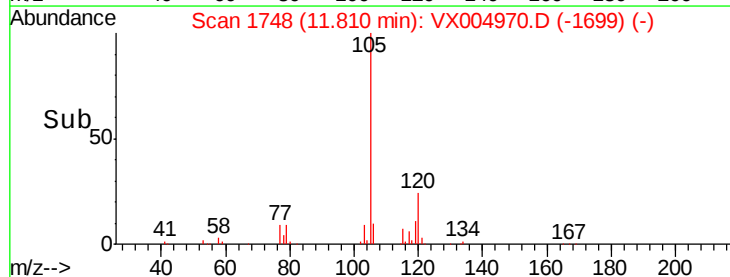
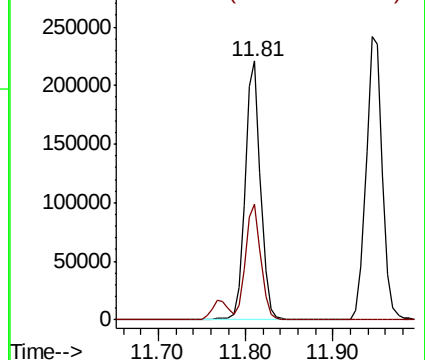
Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	105	Resp:	270257
Ion Ratio		Lower	Upper
105	100		
120	44.7	22.8	68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.742 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS01

Tot Ion:105 Resp: 312411

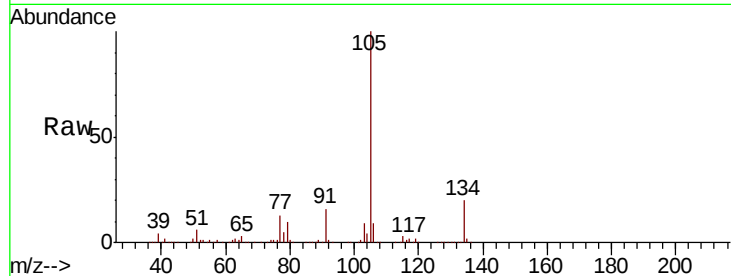
Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4

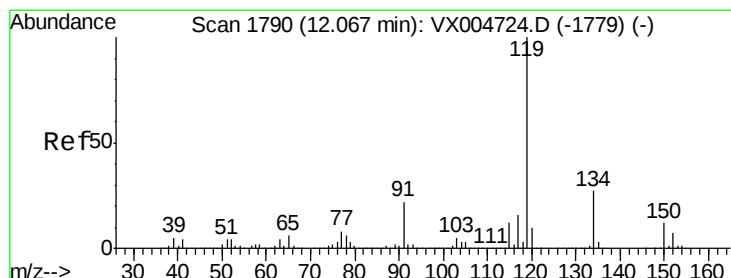
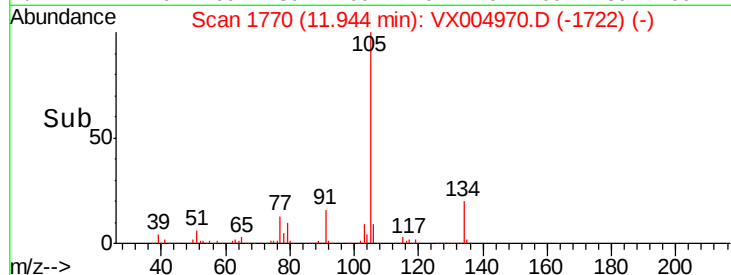
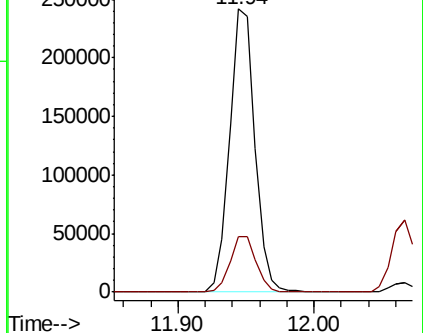
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.498 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

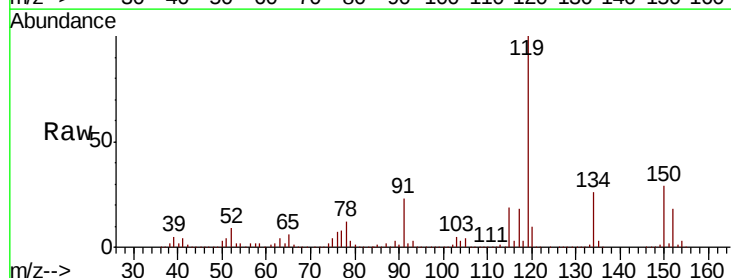
Tgt Ion:119 Resp: 280007

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

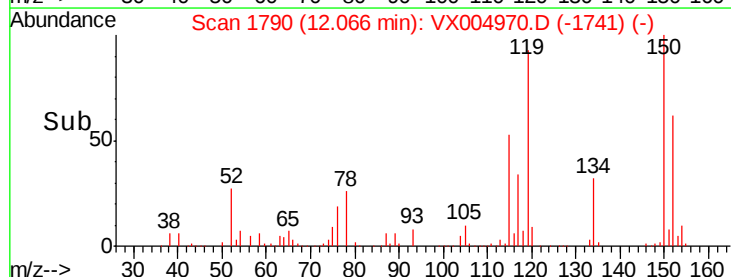
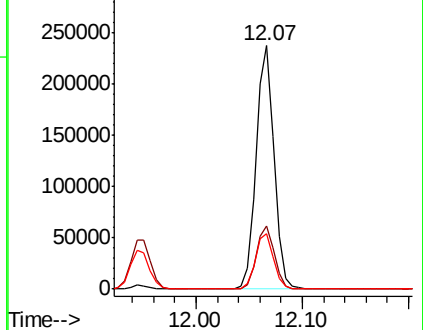
91 23.0 11.5 34.4



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





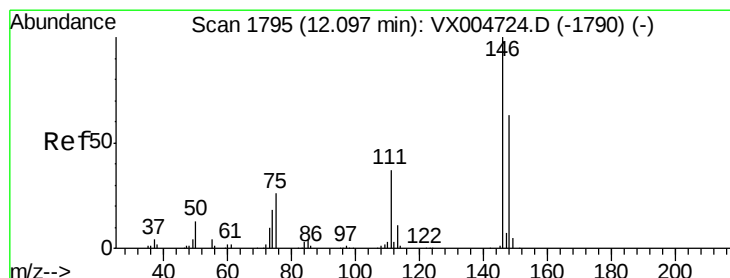
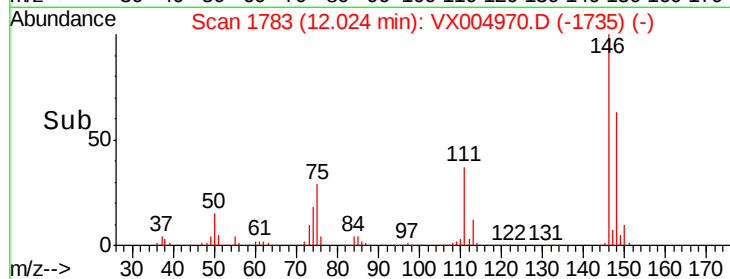
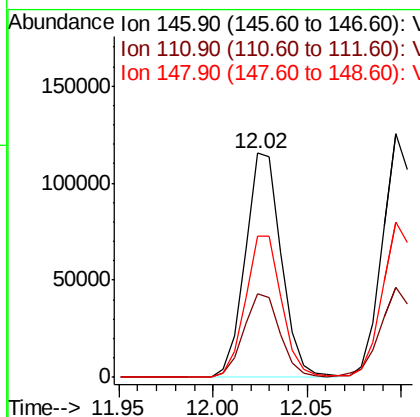
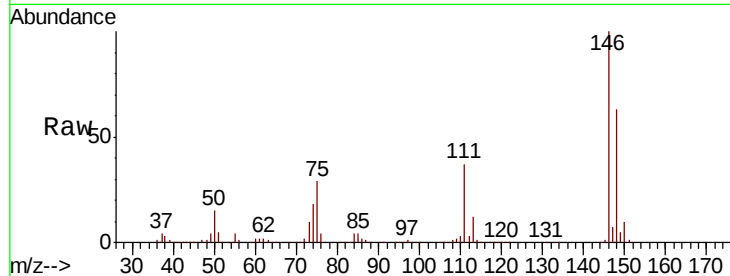
#87
 1,3-Dichlorobenzene
 Concen: 20.622 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.3	31.8	95.3

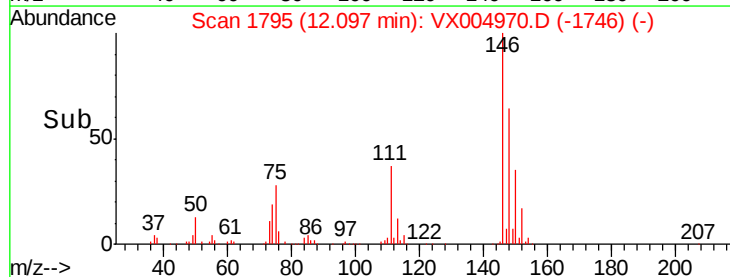
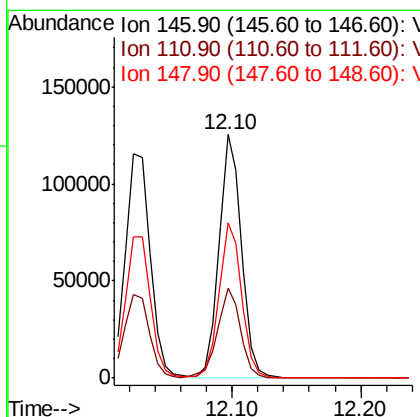
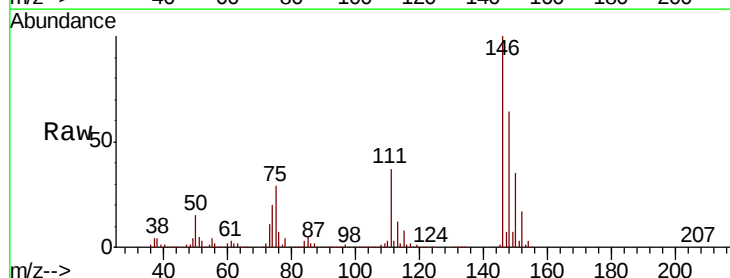
Manual Integrations
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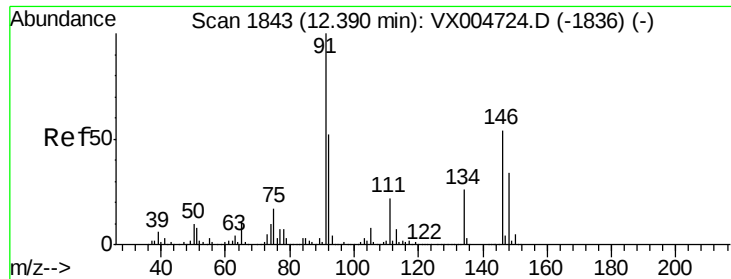
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#88
 1,4-Dichlorobenzene
 Concen: 20.190 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.2
148	64.1	32.0	96.0





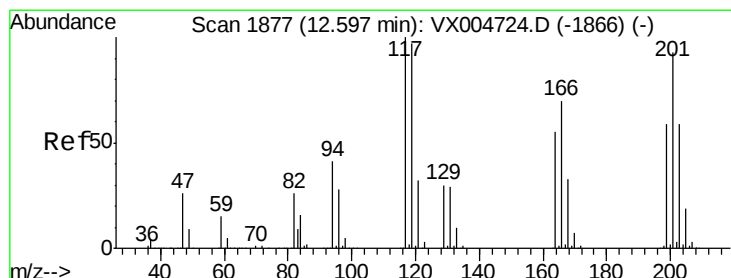
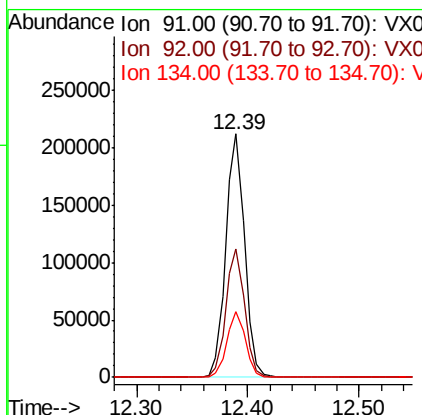
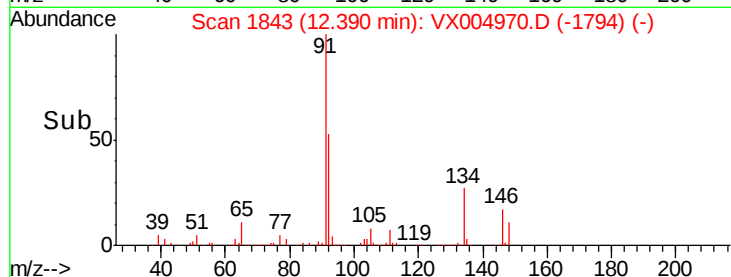
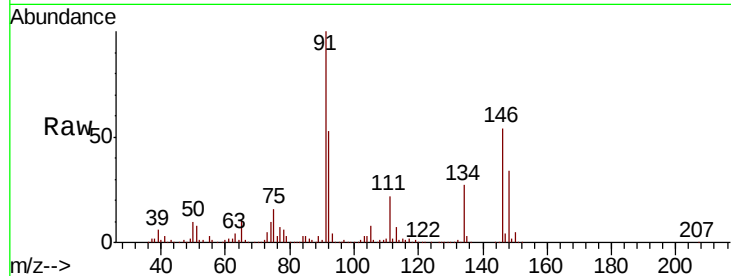
#89
n-Butylbenzene
Concen: 21.880 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.6	13.2	39.6

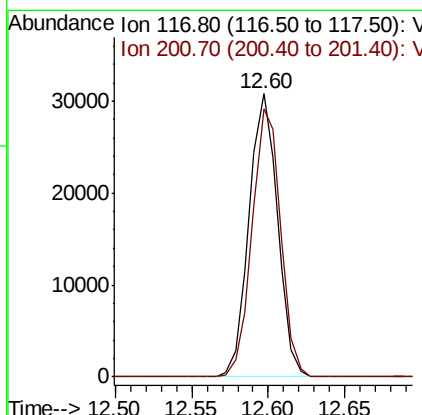
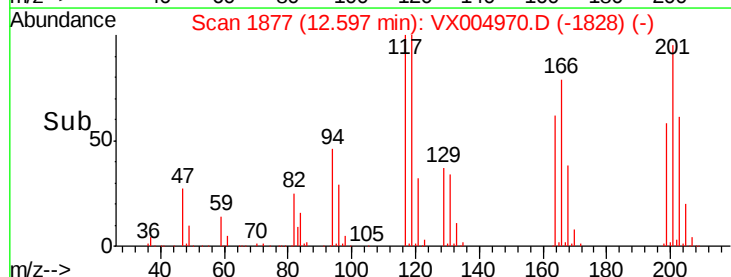
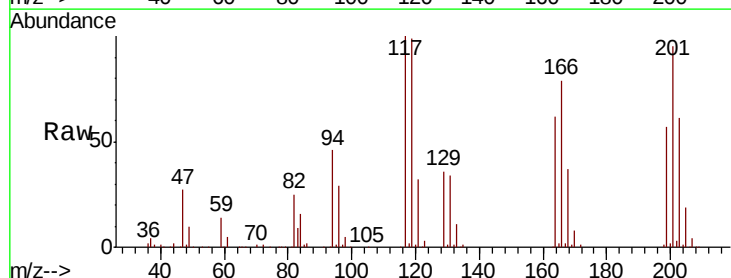
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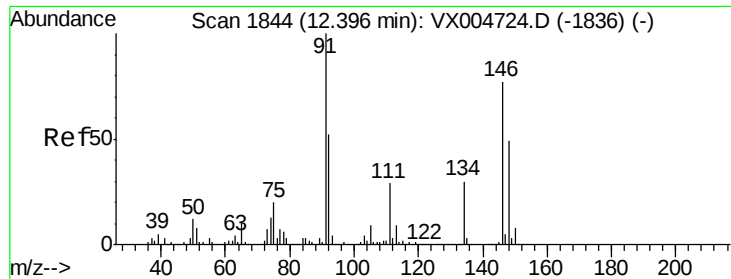
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#90
Hexachloroethane
Concen: 19.326 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	48.4	145.0





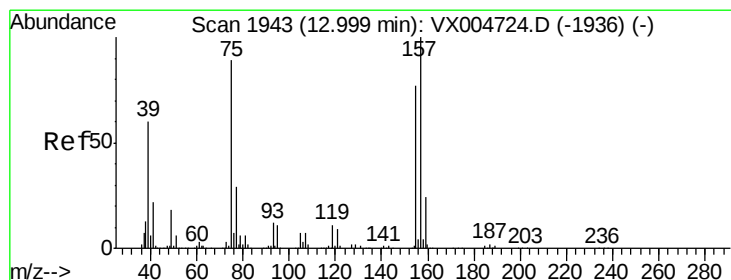
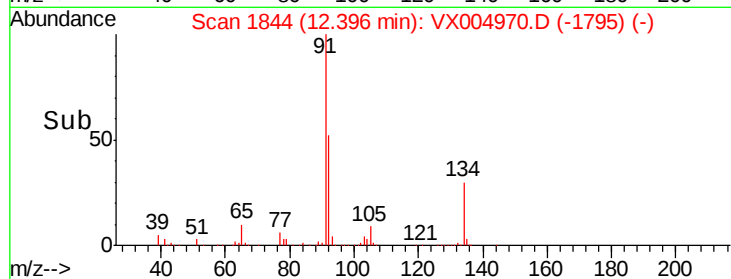
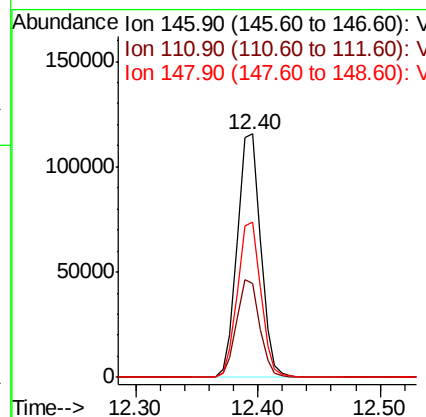
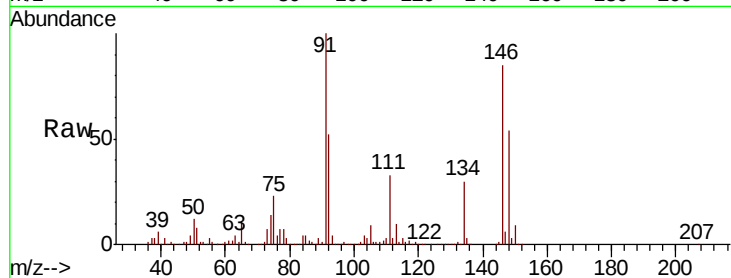
#91
 1,2-Dichlorobenzene
 Concen: 19.593 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.9	31.8	95.4

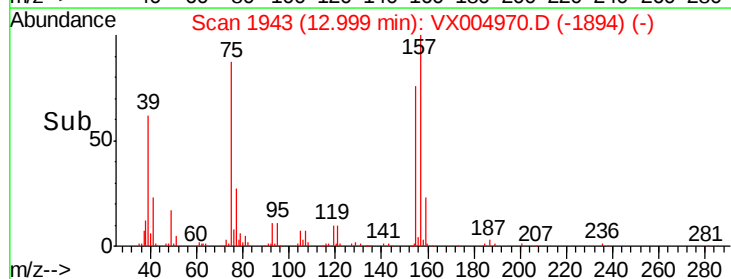
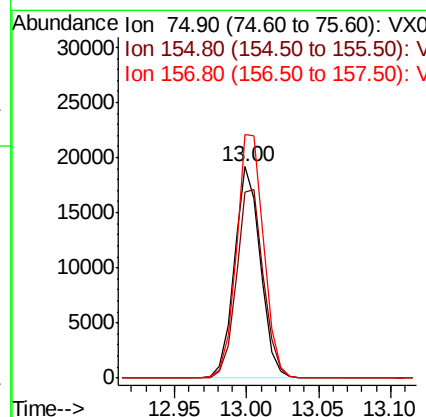
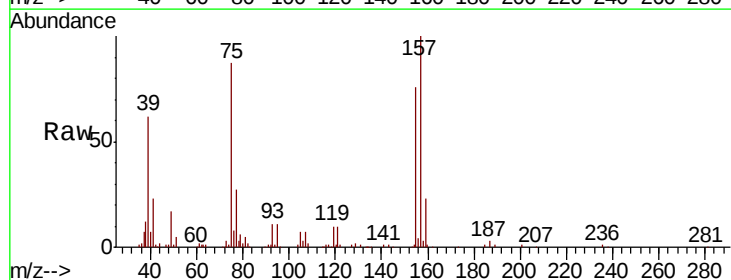
Manual Integrations
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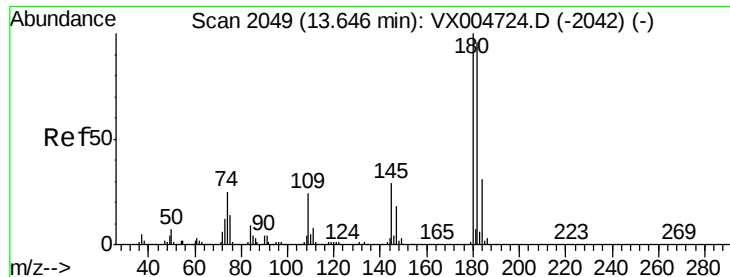
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 10/5/2018 3:24:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.922 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004970.D
 Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	46.1	138.3
157	119.7	60.2	180.6





#93

1,2,4-Trichlorobenzene

Concen: 20.718 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA_X

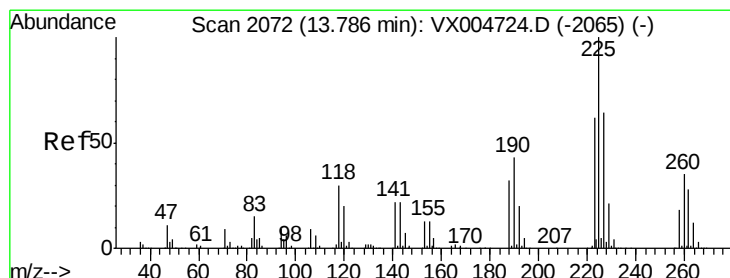
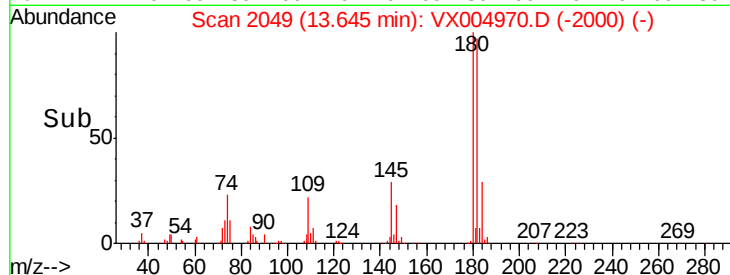
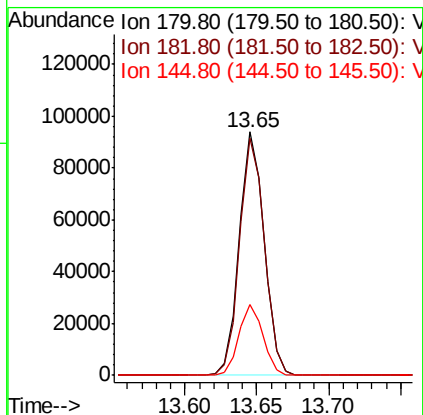
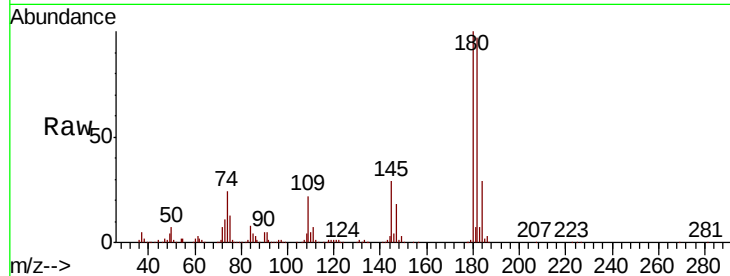
ClientSampleId :

VX1004WBS01

Tot Ion:	180	Resp:	112838
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.8	143.4
145	28.1	14.1	42.4

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:44 PM



#94

Hexachlorobutadiene

Concen: 20.589 ug/l

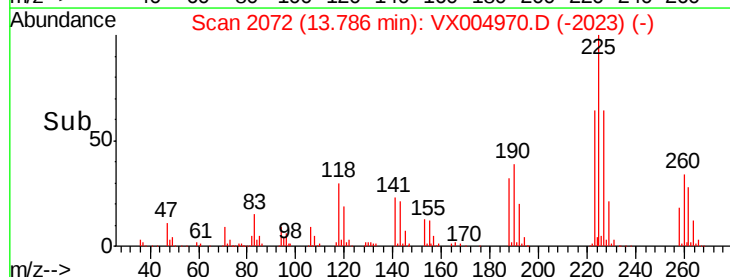
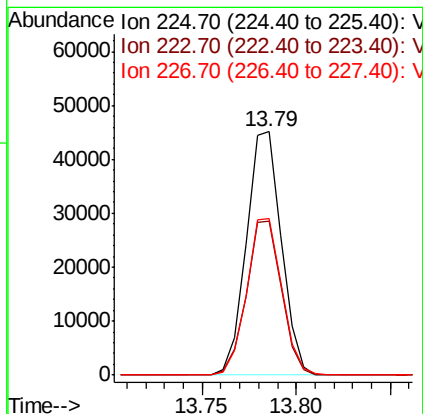
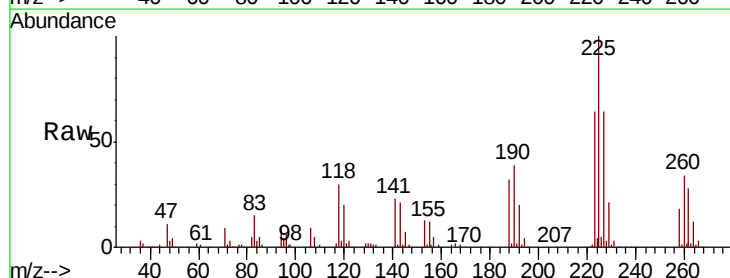
RT: 13.79 min Scan# 2072

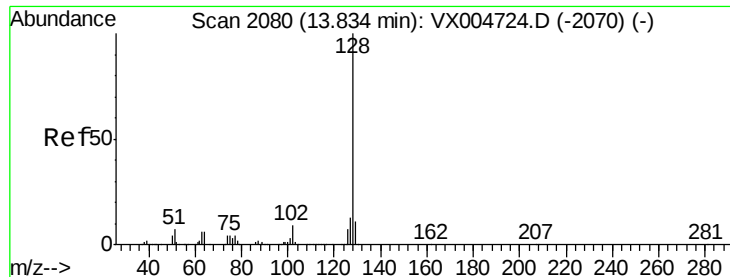
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion:	225	Resp:	58146
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.3	93.8
227	64.4	31.9	95.5





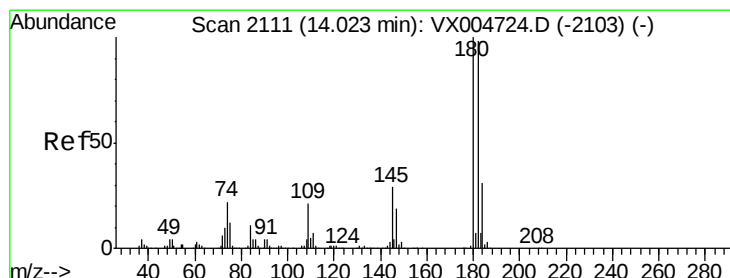
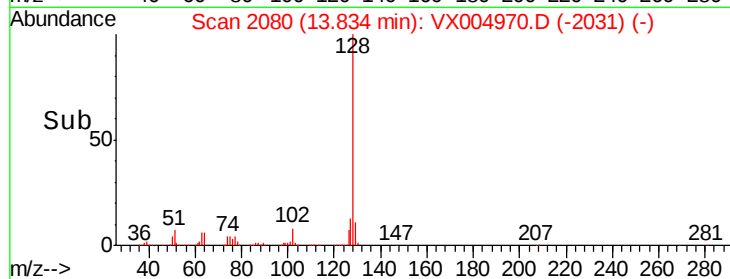
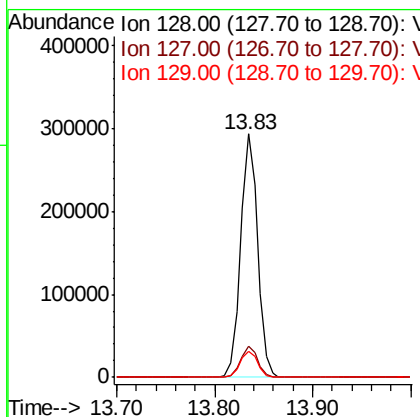
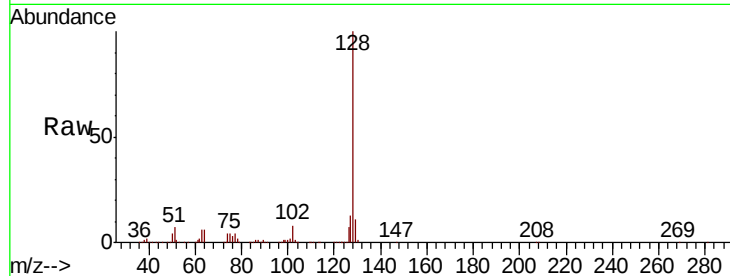
#95
Naphthalene
Concen: 20.014 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	353879		
127	12.9		10.4	15.6
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 20.680 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004970.D
Acq: 03 Oct 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116350		
182	95.3		47.9	143.8
145	29.4		15.0	45.0

