

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003206.D
 Acq On : 06 Jul 2018 07:15
 Operator : JC/MD
 Sample : J3844-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:48 PM

Quant Time: Jul 06 08:13:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352036	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	147800	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	
35) Dibromofluoromethane	5.51	113	133429	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	8.72	98	409270	40.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.40%	
62) 4-Bromofluorobenzene	11.14	95	178087	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	110901	50.20	ug/l	98
3) Chloromethane	1.32	50	114669	49.99	ug/l	98
4) Vinyl Chloride	1.40	62	141936	50.72	ug/l	98
5) Bromomethane	1.64	94	39089	28.77	ug/l	97
6) Chloroethane	1.72	64	90380	55.28	ug/l	98
7) Trichlorofluoromethane	1.93	101	230239	48.78	ug/l	100
8) Diethyl Ether	2.19	74	90436	52.70	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	128082	46.83	ug/l	96
10) Methyl Iodide	2.51	142	169824	59.83	ug/l	97
11) Tert butyl alcohol	3.08	59	173580	254.78	ug/l	98
12) 1,1-Dichloroethene	2.37	96	123870	50.76	ug/l	92
13) Acrolein	2.29	56	103746	274.25	ug/l	99
14) Allyl chloride	2.73	41	227481	47.29	ug/l	95
15) Acrylonitrile	3.15	53	402278	276.44	ug/l	99
16) Acetone	2.45	43	369950	261.20	ug/l	96
17) Carbon Disulfide	2.57	76	315448	48.52	ug/l	98
18) Methyl Acetate	2.78	43	227014	57.33	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	463380	52.82	ug/l	99
20) Methylene Chloride	2.86	84	144264	52.34	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	135075	50.82	ug/l	93
22) Diisopropyl ether	3.88	45	480463	52.25	ug/l	97
23) Vinyl Acetate	3.83	43	1668694	214.32	ug/l	98
24) 1,1-Dichloroethane	3.70	63	260637	52.15	ug/l	99
25) 2-Butanone	4.72	43	612305	291.30	ug/l	97
26) 2,2-Dichloropropane	4.59	77	82483	20.30	ug/l	89
27) cis-1,2-Dichloroethene	4.60	96	166667	55.93	ug/l	87
28) Bromochloromethane	5.03	49	112455	47.01	ug/l	91
29) Tetrahydrofuran	5.17	42	394223	292.46	ug/l	96
30) Chloroform	5.22	83	286648	55.89	ug/l	97
31) Cyclohexane	5.57	56	220558	51.42	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	248105	54.98	ug/l	99
36) 1,1-Dichloropropene	5.80	75	198532	51.43	ug/l	98
37) Ethyl Acetate	4.87	43	200559	48.25	ug/l	99
38) Carbon Tetrachloride	5.79	117	224519	53.00	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	207072	46.05	ug/l	96
40) Benzene	6.15	78	618748	55.16	ug/l	98
41) Methacrylonitrile	5.07	41	134103	56.03	ug/l	97
42) 1,2-Dichloroethane	6.21	62	231769	51.15	ug/l	98
43) Isopropyl Acetate	6.48	43	341318	48.96	ug/l	97
44) Trichloroethene	7.22	130	178066	53.25	ug/l	100
45) 1,2-Dichloropropane	7.52	63	161507	54.28	ug/l	99
46) Dibromomethane	7.67	93	110680	53.60	ug/l	95
47) Bromodichloromethane	7.90	83	211423	55.38	ug/l	98
48) Methyl methacrylate	7.79	41	196051	54.58	ug/l	93
49) 1,4-Dioxane	7.76	88	71967	1029.80	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1228594	281.68	ug/l	97
52) Toluene	8.79	92	393102	54.71	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	210890	48.78	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	198594	47.74	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	164882	55.84	ug/l	98
56) Ethyl methacrylate	9.19	69	239657	55.53	ug/l	92
57) 1,3-Dichloropropane	9.38	76	267308	55.12	ug/l	99
59) 2-Hexanone	9.50	43	944931	285.06	ug/l	95
60) Dibromochloromethane	9.59	129	180122	57.95	ug/l	99
61) 1,2-Dibromoethane	9.68	107	175626	56.70	ug/l	100
64) Tetrachloroethene	9.34	164	191120	51.66	ug/l	98
65) Chlorobenzene	10.14	112	454666	53.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	173260	56.44	ug/l	100
67) Ethyl Benzene	10.26	91	752114	53.88	ug/l	100
68) m/p-Xylenes	10.37	106	585362	108.81	ug/l	98
69) o-Xylene	10.70	106	287723	54.93	ug/l	97
70) Styrene	10.71	104	474574	55.75	ug/l	98
71) Bromoform	10.86	173	144578	51.96	ug/l	100
73) Isopropylbenzene	11.02	105	766282	54.56	ug/l	100
74) N-amyl acetate	6.48	43	341318	49.67	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	248278	57.38	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	234407m	61.98	ug/l	
77) Bromobenzene	11.26	156	224132	56.04	ug/l	95
78) n-propylbenzene	11.37	91	847169	52.99	ug/l	98
79) 2-Chlorotoluene	11.43	91	518822	53.60	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	638561	53.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	49609	38.86	ug/l	99
82) 4-Chlorotoluene	11.51	91	607922	53.05	ug/l	98
83) tert-Butylbenzene	11.77	119	632654	54.26	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	659498	53.81	ug/l	98
85) sec-Butylbenzene	11.95	105	721510	51.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	653917	51.43	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	391538	53.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	397335	52.85	ug/l	99
89) n-Butylbenzene	12.39	91	519846	46.97	ug/l	99
90) Hexachloroethane	12.60	117	103114	54.52	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	411141	55.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54929	56.47	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	278830	51.96	ug/l	99

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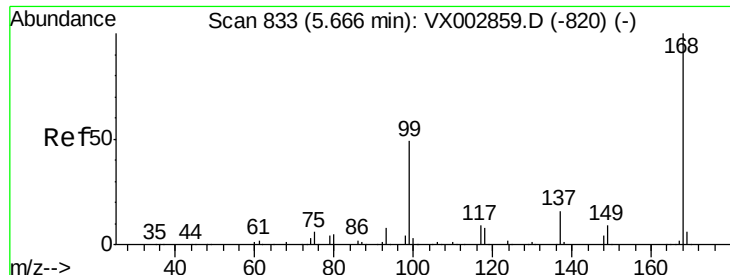
Manual Integrations
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7/6/2018 4:20:48 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	107156	40.04	ug/l	99
95) Naphthalene	13.83	128	850642	59.52	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305038	56.91	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion:168 Resp: 247434

Ion Ratio Lower Upper

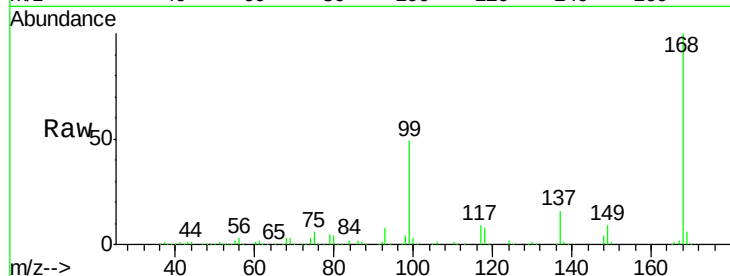
168 100

99 49.1 39.3 58.9

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

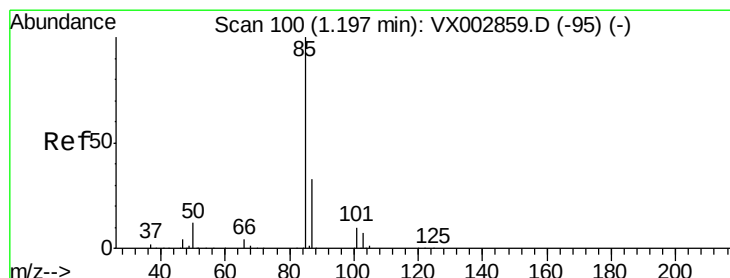
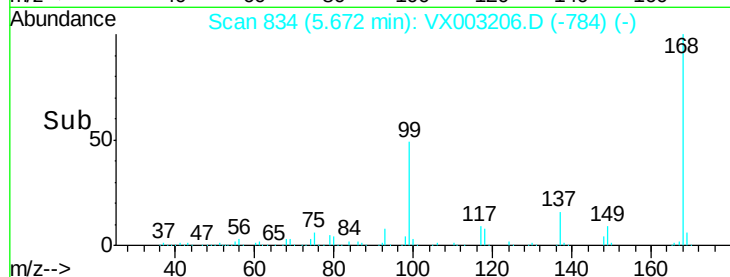
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.20 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003206.D

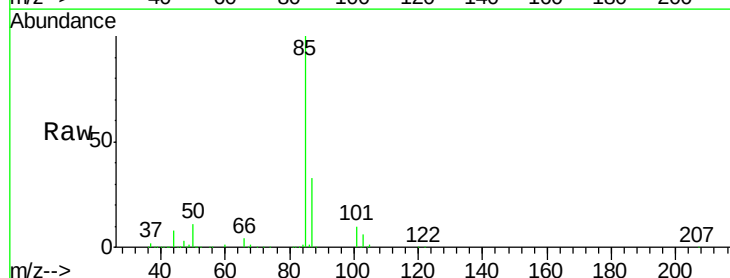
Acq: 06 Jul 2018 07:15

Tgt Ion: 85 Resp: 110901

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

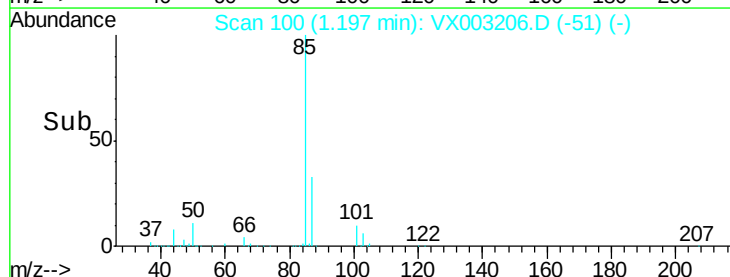
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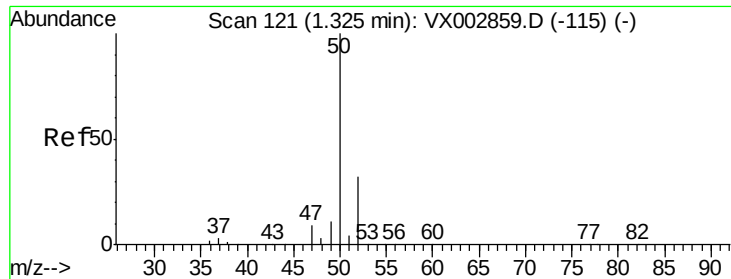
40000

20000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.99 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 50 Resp: 114669

Ion Ratio Lower Upper

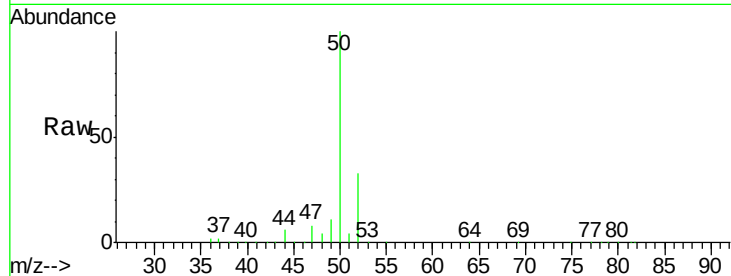
50 100

52 33.3 25.7 38.5

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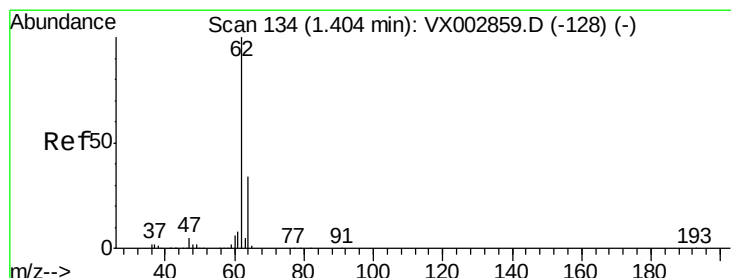
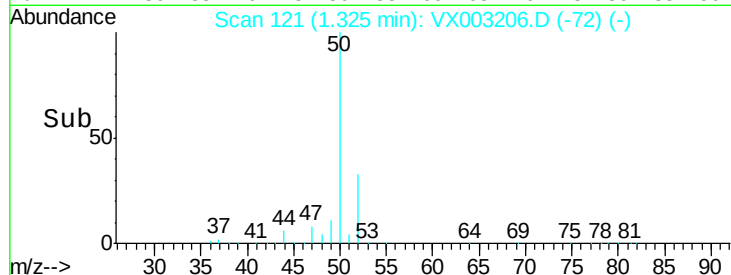
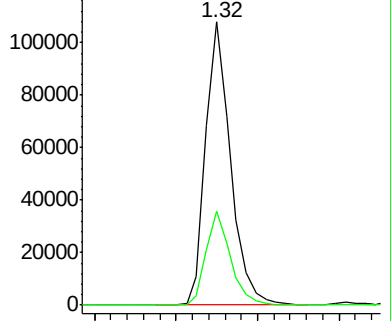
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.72 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003206.D

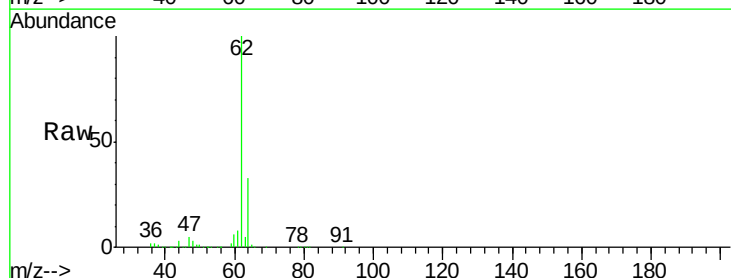
Acq: 06 Jul 2018 07:15

Tgt Ion: 62 Resp: 141936

Ion Ratio Lower Upper

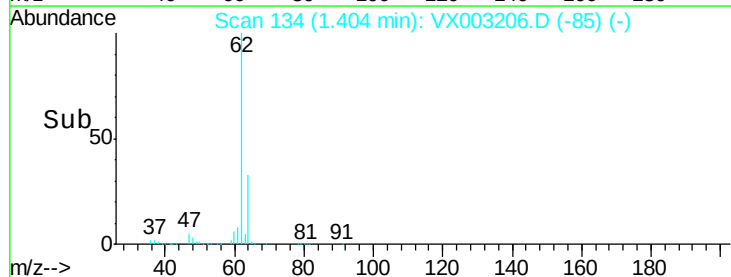
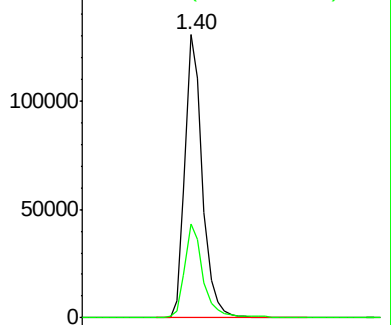
62 100

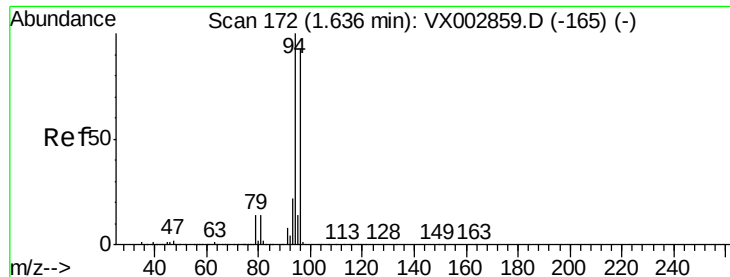
64 32.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 28.77 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 94 Resp: 39089

Ion Ratio Lower Upper

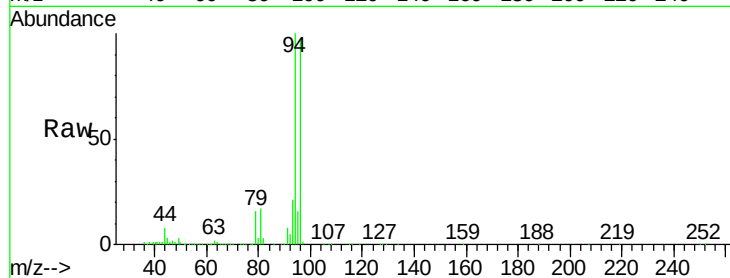
94 100

96 96.7 74.9 112.3

Manual Integrations
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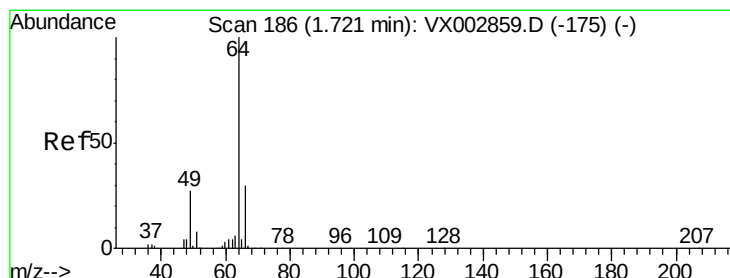
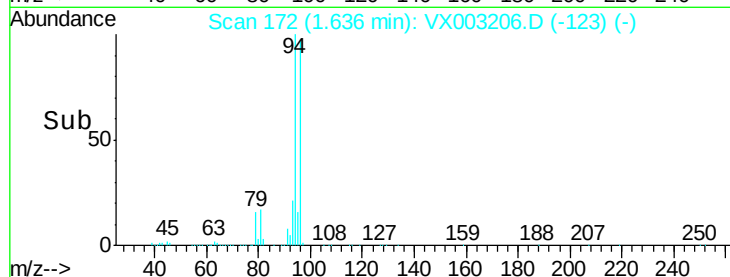
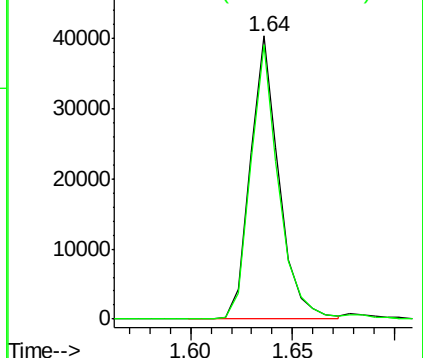
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.28 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003206.D

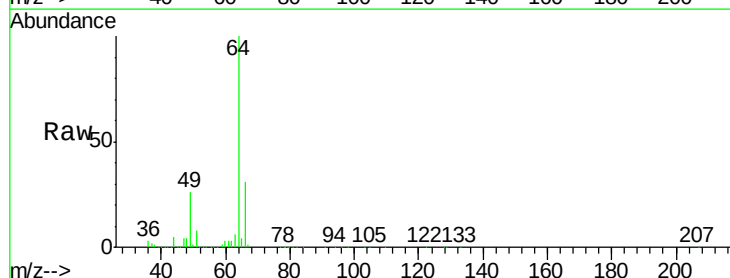
Acq: 06 Jul 2018 07:15

Tgt Ion: 64 Resp: 90380

Ion Ratio Lower Upper

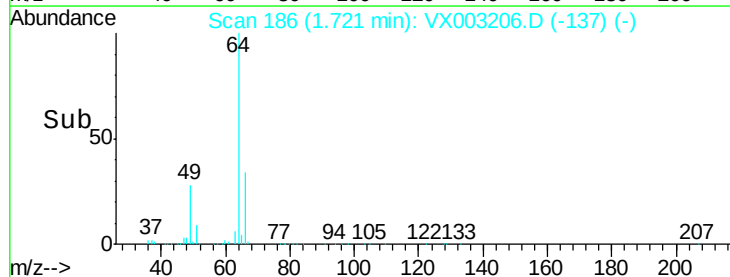
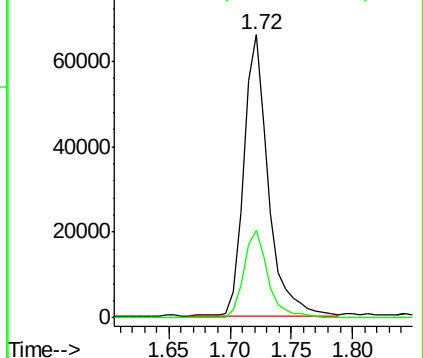
64 100

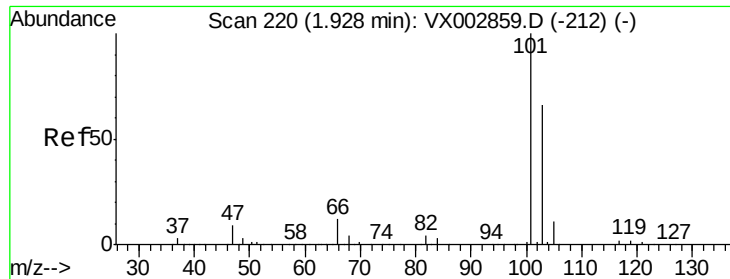
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

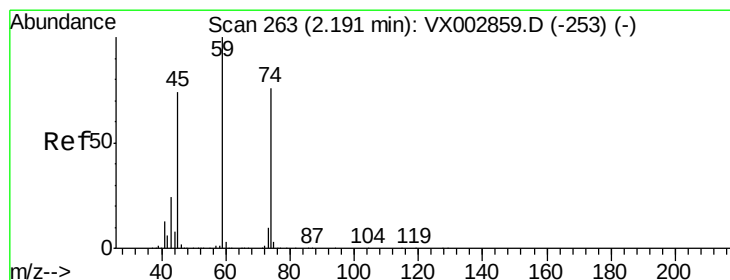
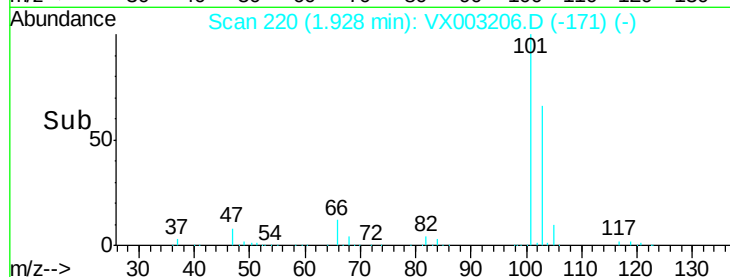
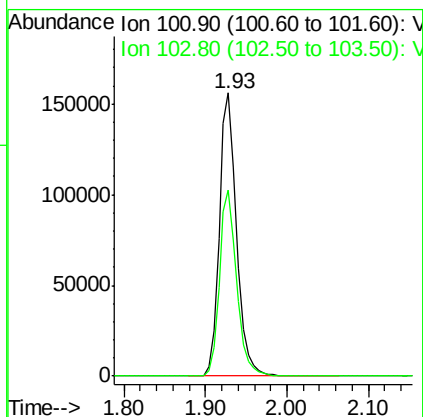
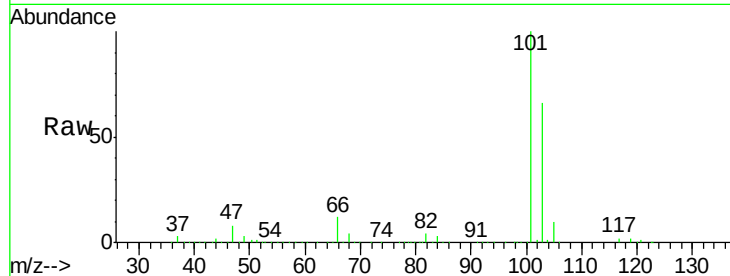
Trichlorofluoromethane
Concen: 48.78 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.8	79.2

Manual Integrations
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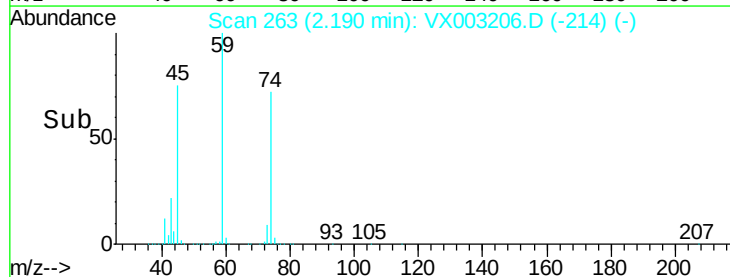
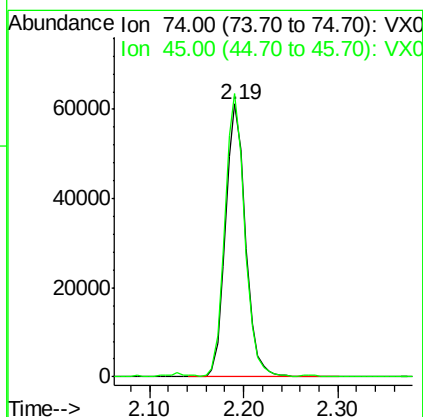
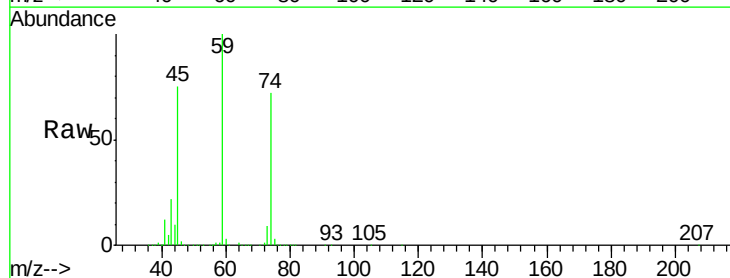
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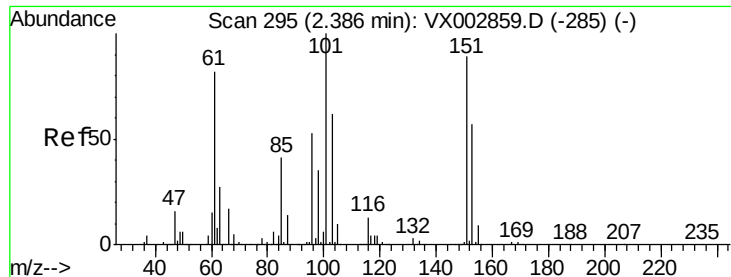


#8

Diethyl Ether
Concen: 52.70 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.83 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

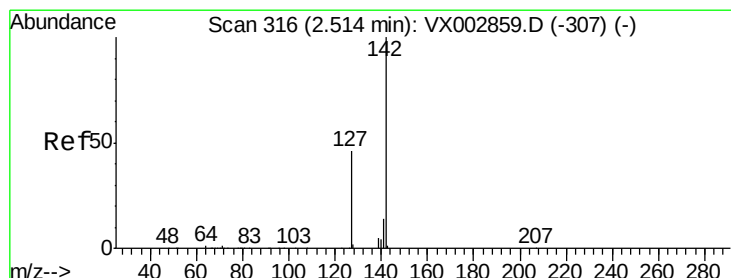
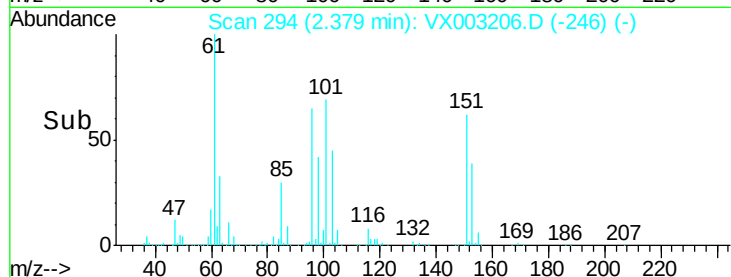
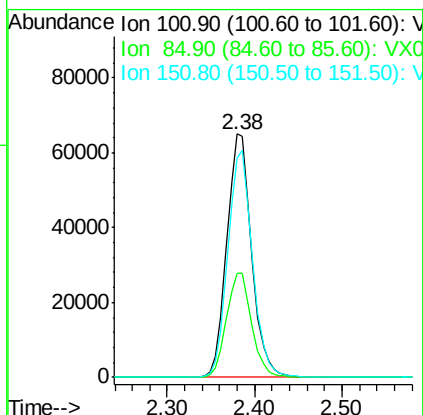
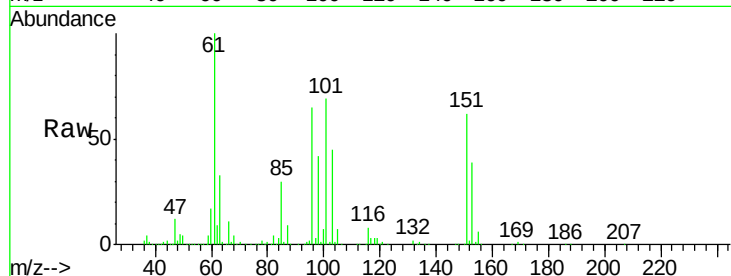
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	101	Resp:	128082
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.0	54.0
151	92.6	70.9	106.3

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 59.83 ug/l

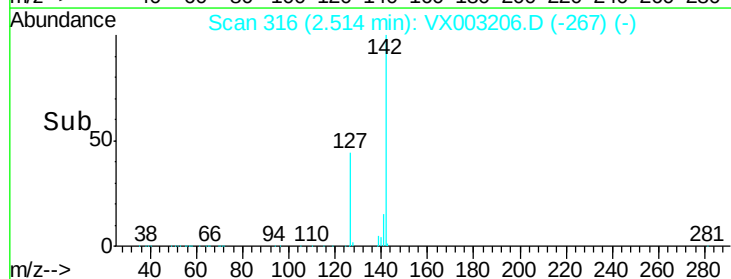
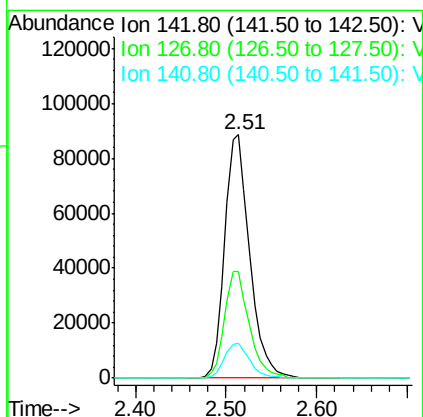
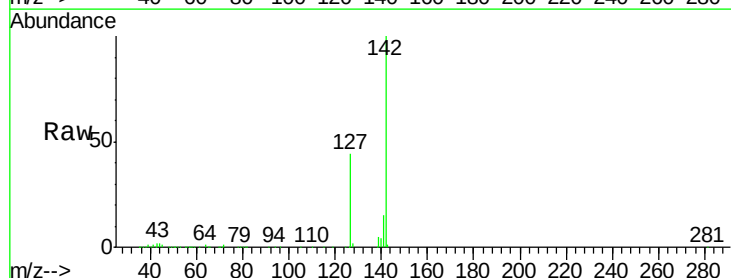
RT: 2.51 min Scan# 316

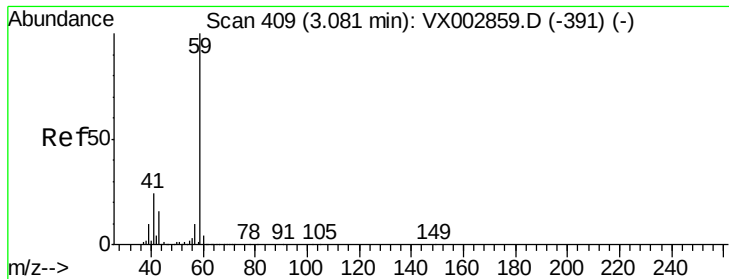
Delta R.T. 0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	142	Resp:	169824
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.6	55.0
141	14.6	11.3	16.9





#11

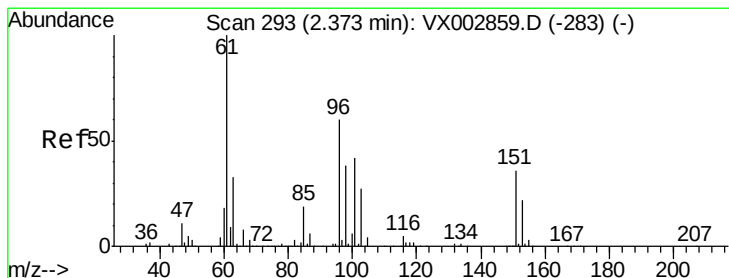
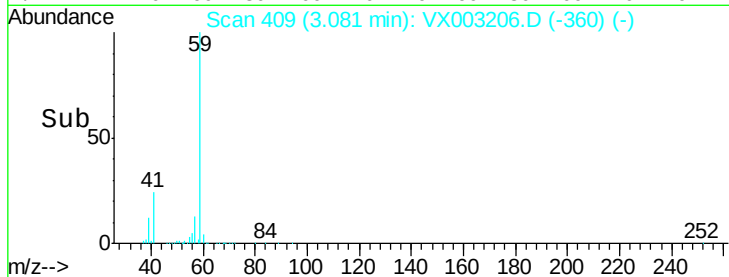
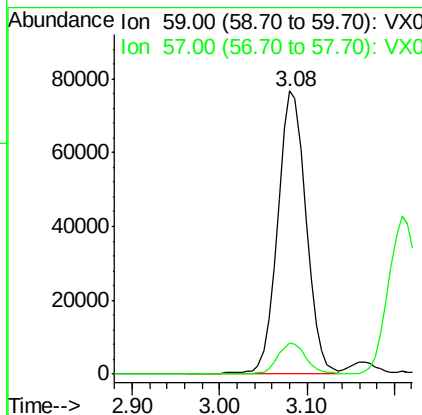
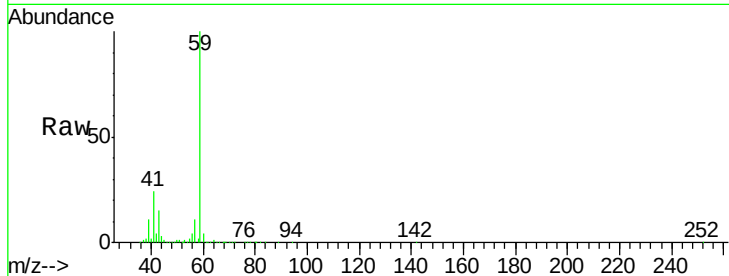
Tert butyl alcohol
Concen: 254.78 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

Manual Integrations
APPROVED

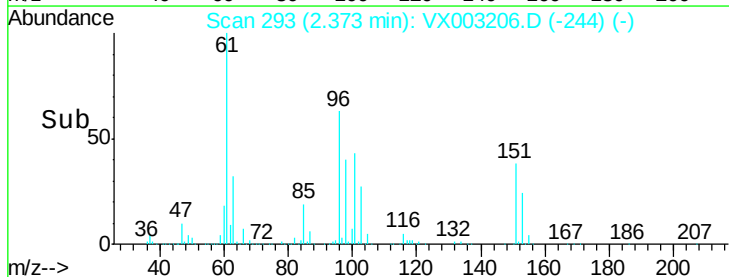
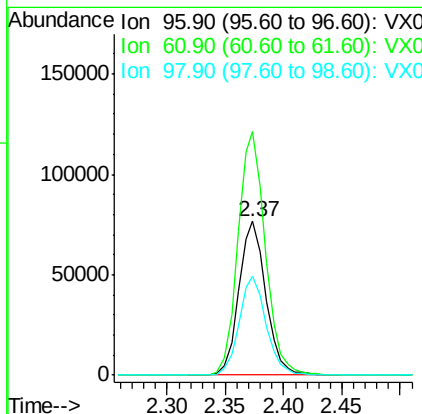
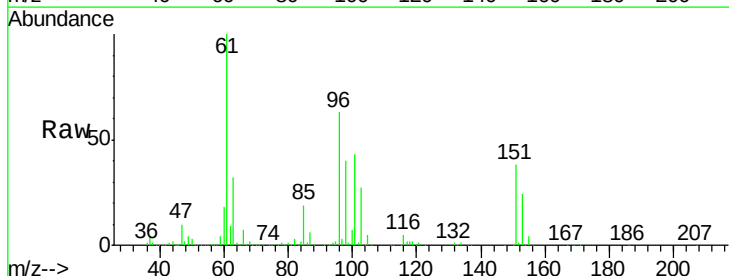
sam
7/6/2018 4:20:48 PM

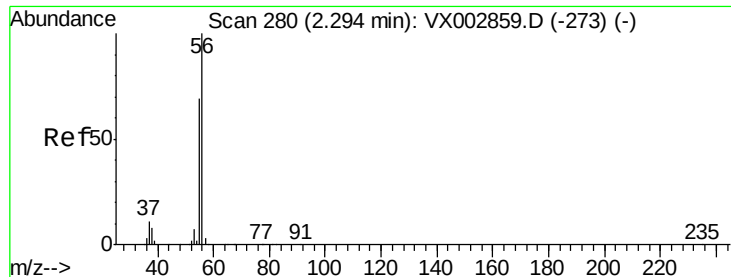


#12

1,1-Dichloroethene
Concen: 50.76 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	137.9	206.9
98	63.9	51.6	77.4





#13

Acrolein

Concen: 274.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 56 Resp: 103746

Ion Ratio Lower Upper

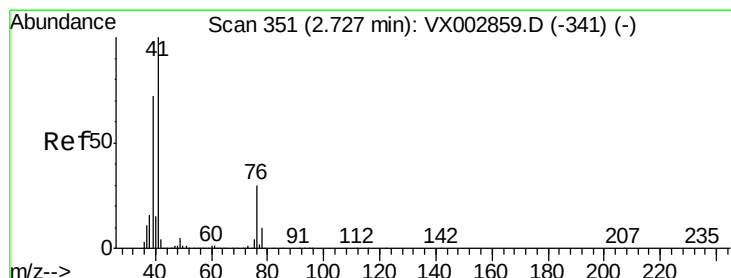
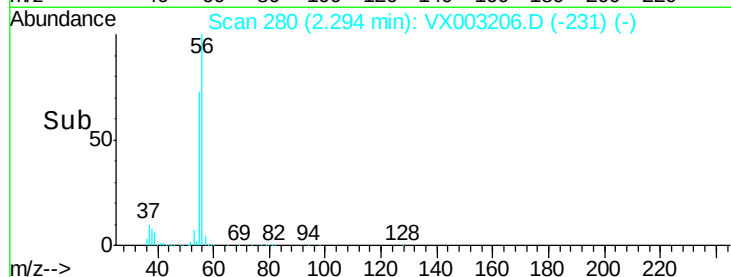
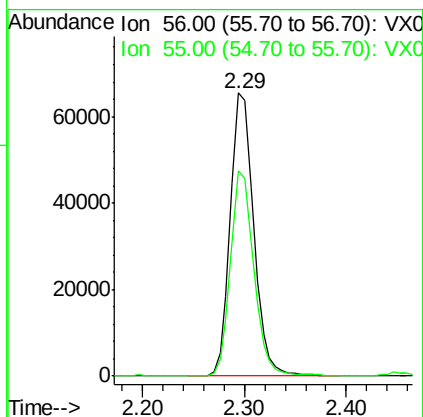
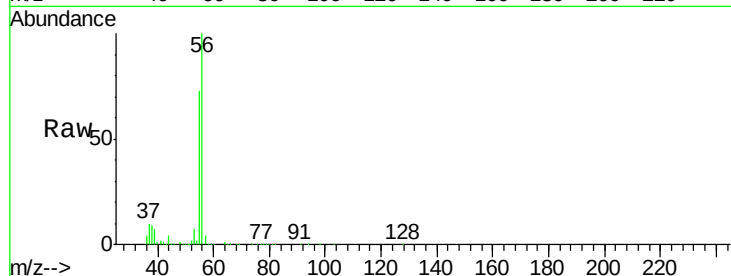
56 100

55 72.0 57.0 85.4

Manual Integrations
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#14

Allyl chloride

Concen: 47.29 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

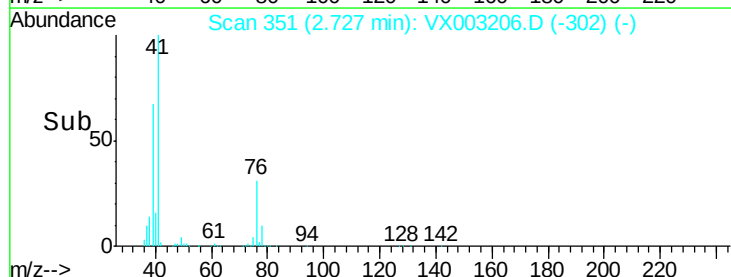
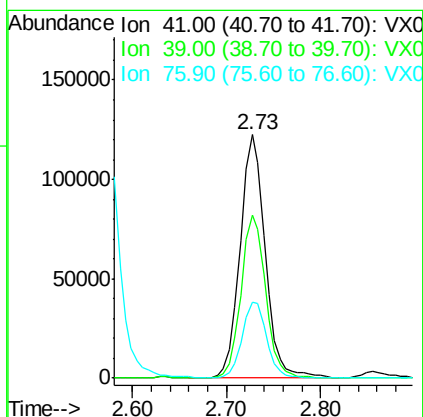
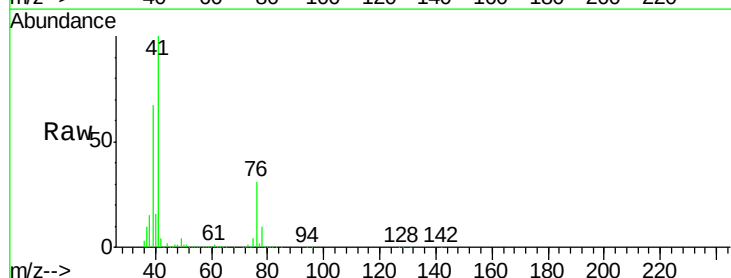
Tgt Ion: 41 Resp: 227481

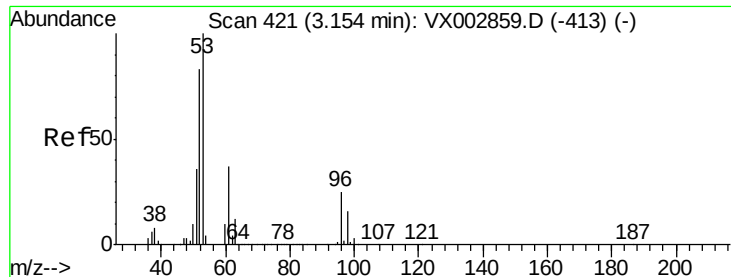
Ion Ratio Lower Upper

41 100

39 65.1 56.8 85.2

76 30.5 23.8 35.8





#15

Acrylonitrile

Concen: 276.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

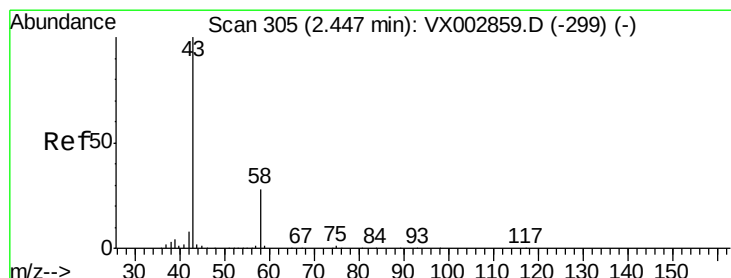
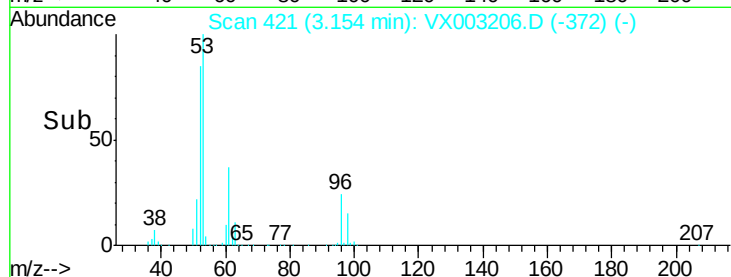
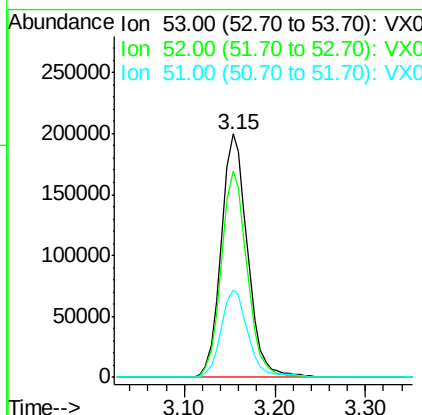
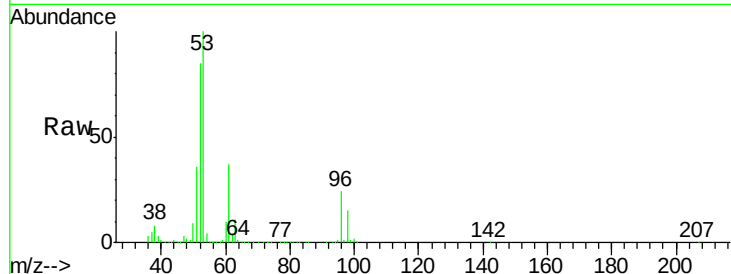
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	53	Resp:	402278
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.7	100.1
51	36.8	29.9	44.9

Manual Integrations
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sam
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#16

Acetone

Concen: 261.20 ug/l

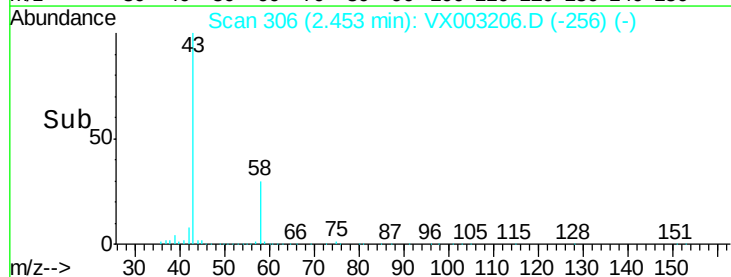
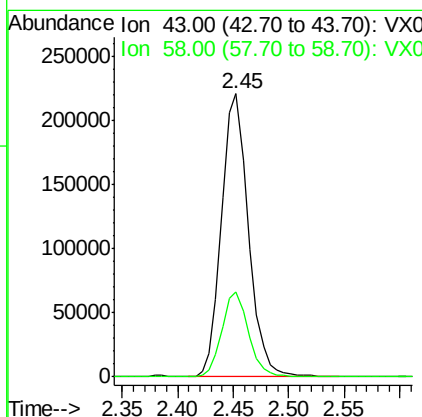
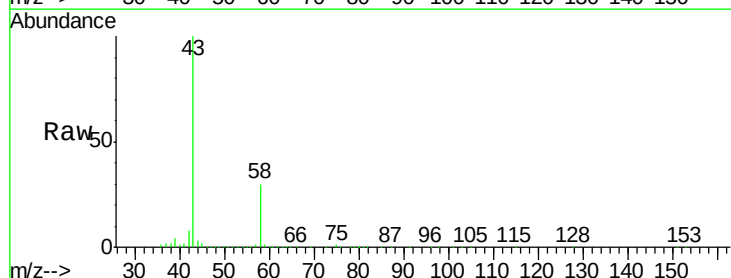
RT: 2.45 min Scan# 306

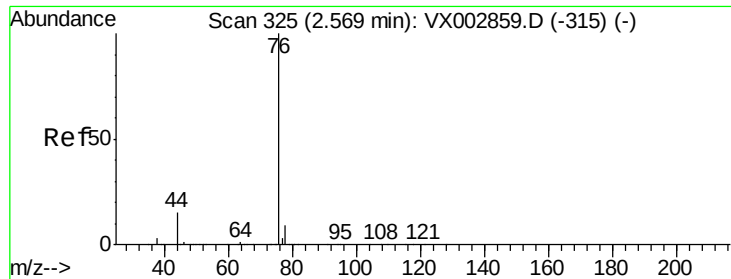
Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	43	Resp:	369950
Ion Ratio		Lower	Upper
43	100		
58	29.8	22.1	33.1





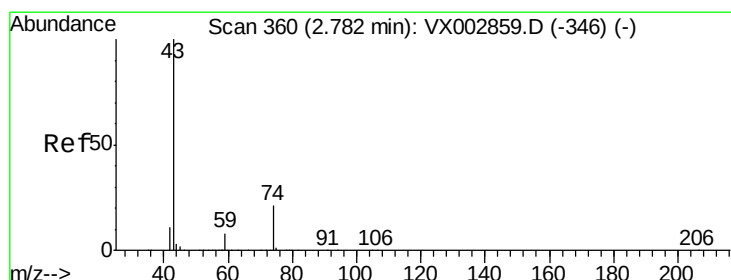
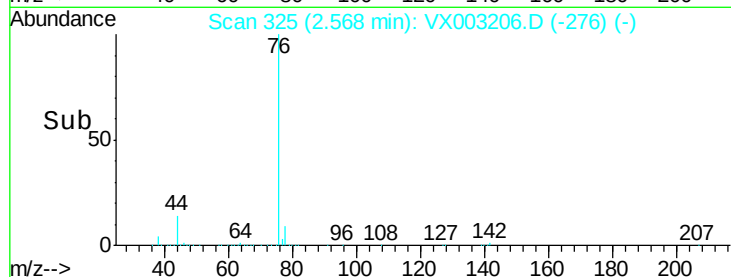
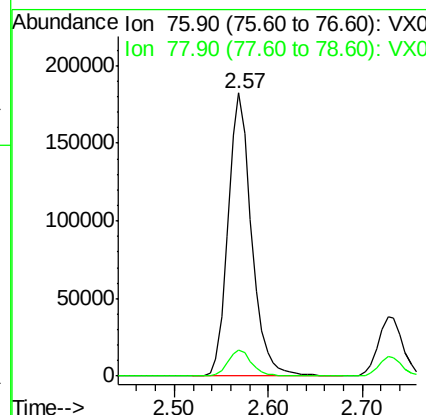
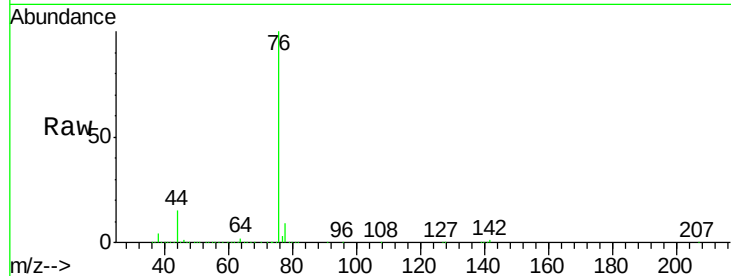
#17
Carbon Disulfide
Concen: 48.52 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

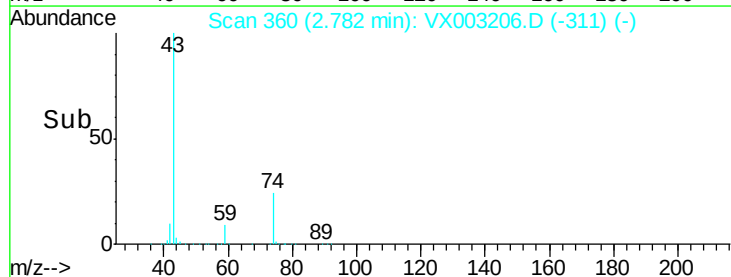
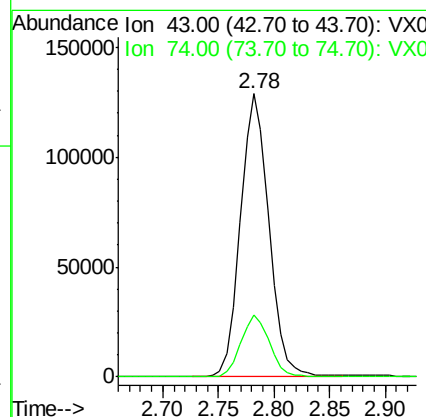
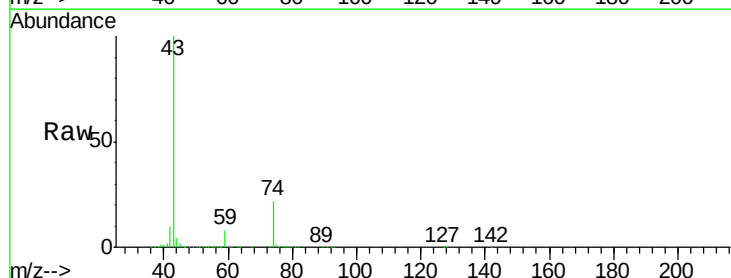
Manual Integrations
APPROVED

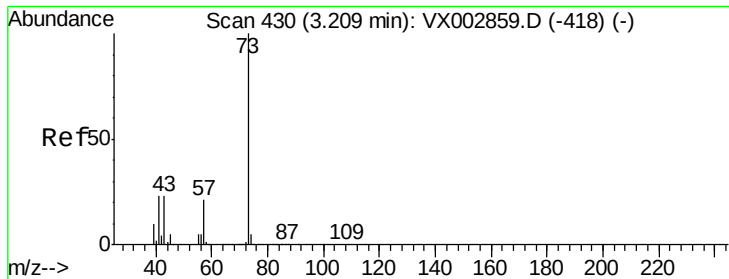
sam
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#18
Methyl Acetate
Concen: 57.33 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	16.7	25.1





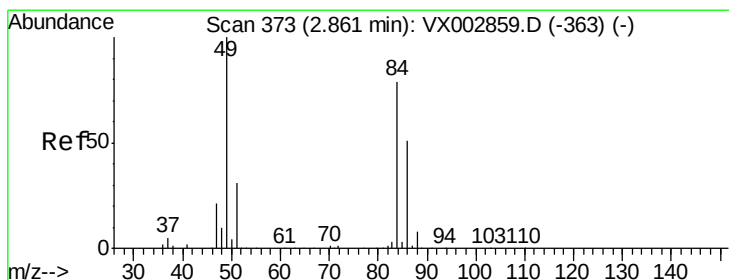
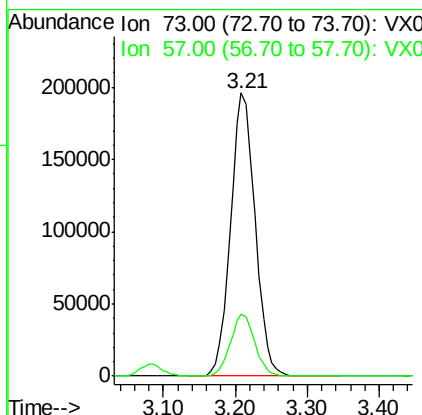
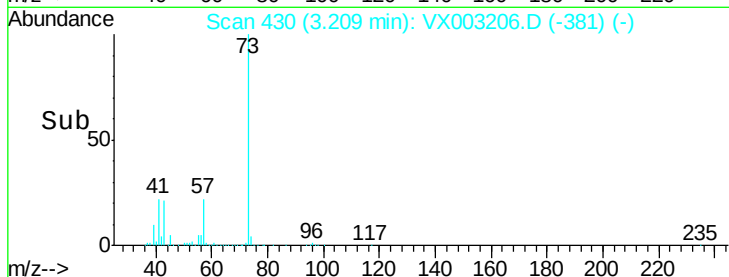
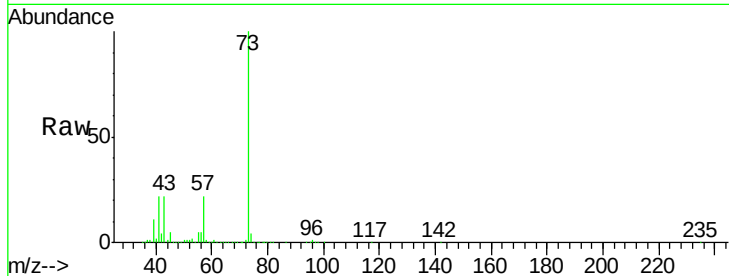
#19
Methyl tert-butyl Ether
Concen: 52.82 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion: 73 Resp: 463380
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

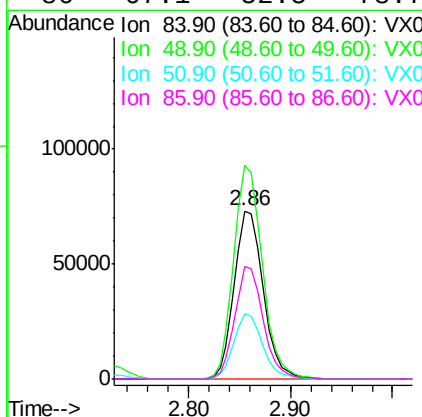
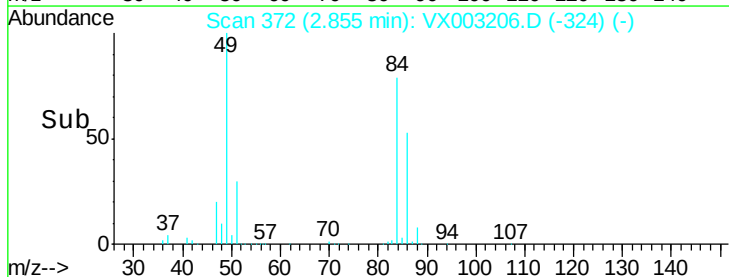
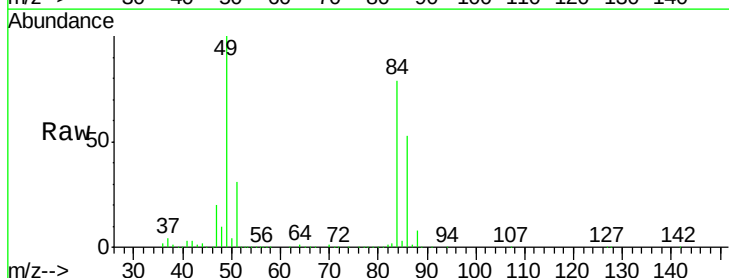
Manual Integrations
APPROVED

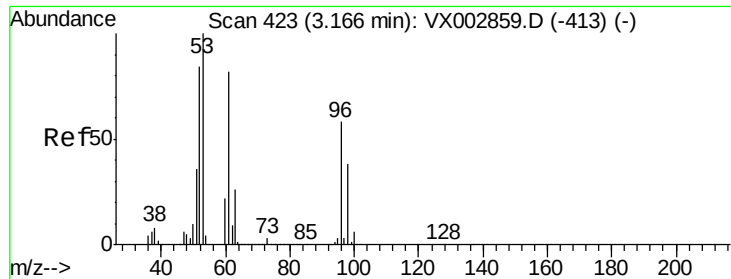
sam
7/6/2018 4:20:48 PM



#20
Methylene Chloride
Concen: 52.34 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion: 84 Resp: 144264
Ion Ratio Lower Upper
84 100
49 127.1 107.8 161.6
51 38.7 32.8 49.2
86 67.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.82 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

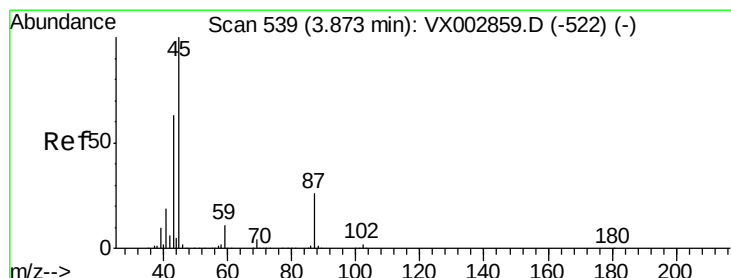
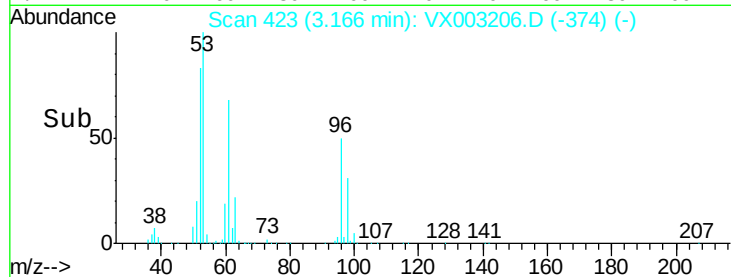
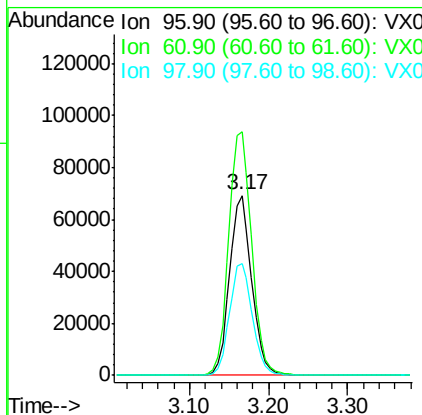
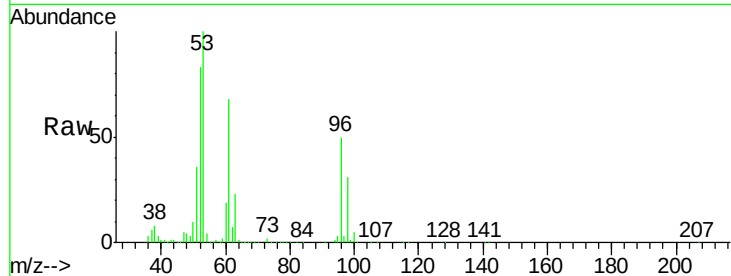
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	96	Resp:	135075
Ion	Ratio	Lower	Upper
96	100		
61	135.1	117.0	175.4
98	62.4	52.4	78.6

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 52.25 ug/l

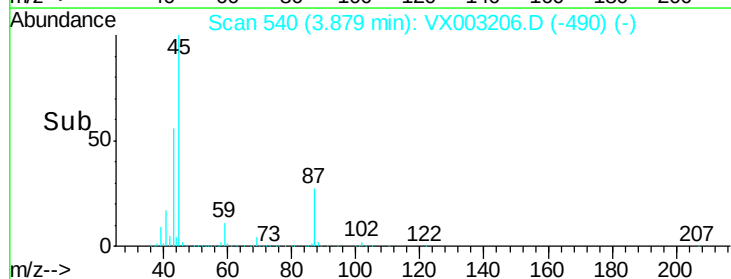
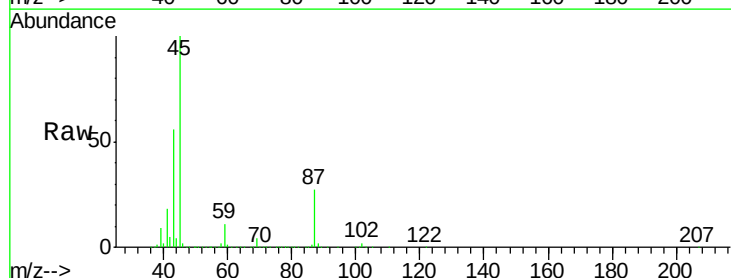
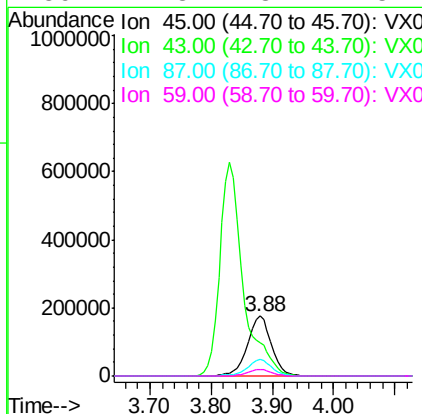
RT: 3.88 min Scan# 540

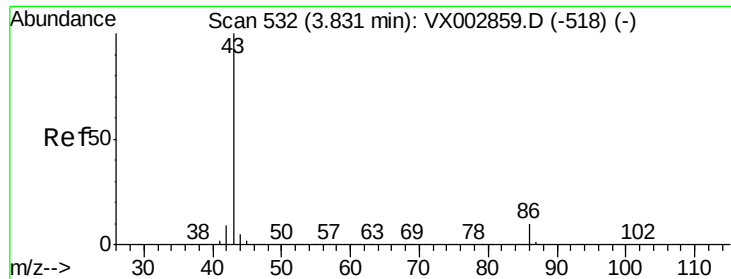
Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	45	Resp:	480463
Ion	Ratio	Lower	Upper
45	100		
43	56.3	46.8	70.2
87	27.0	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 214.32 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 43 Resp: 1668694

Ion Ratio Lower Upper

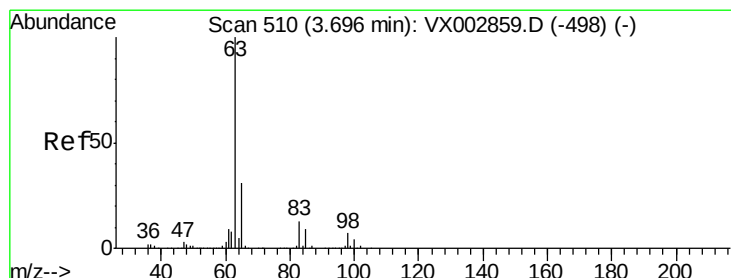
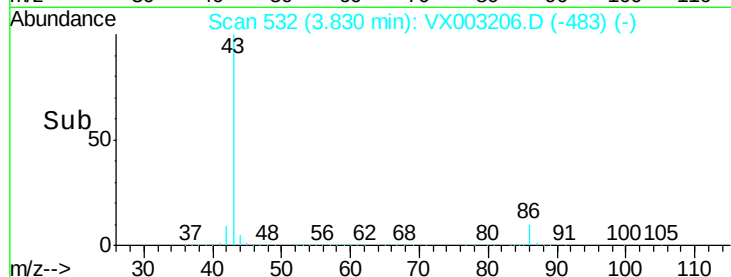
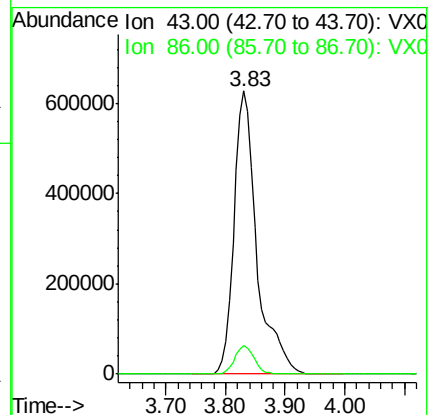
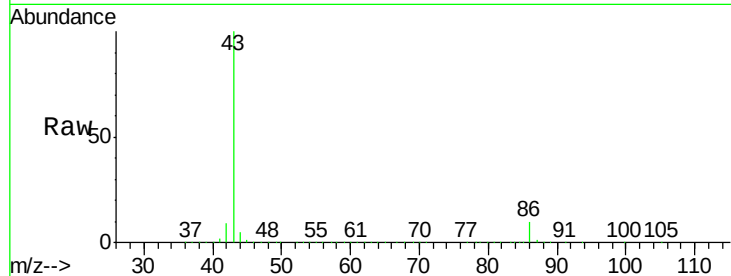
43 100

86 10.0 7.4 11.0

Manual Integrations
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sam

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#24

1,1-Dichloroethane

Concen: 52.15 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

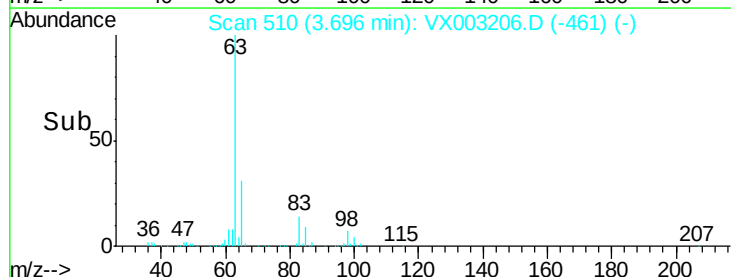
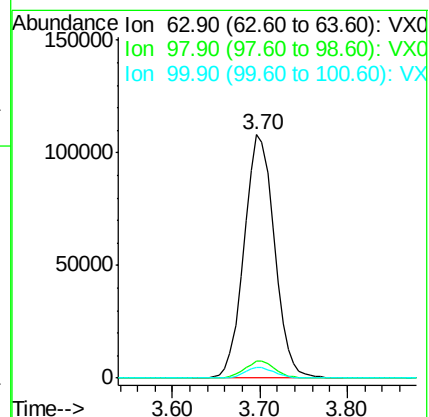
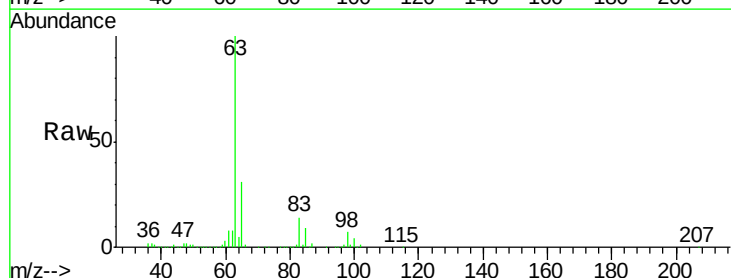
Tgt Ion: 63 Resp: 260637

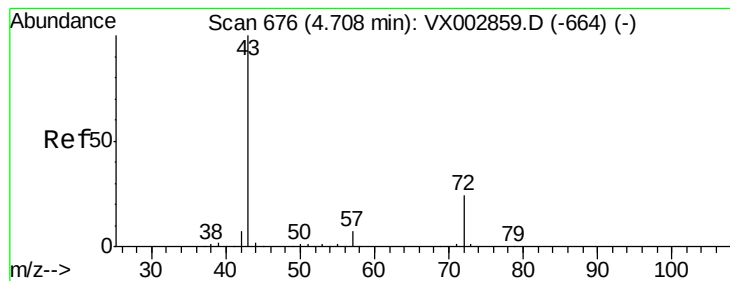
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 291.30 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 43 Resp: 612305

Ion Ratio Lower Upper

43 100

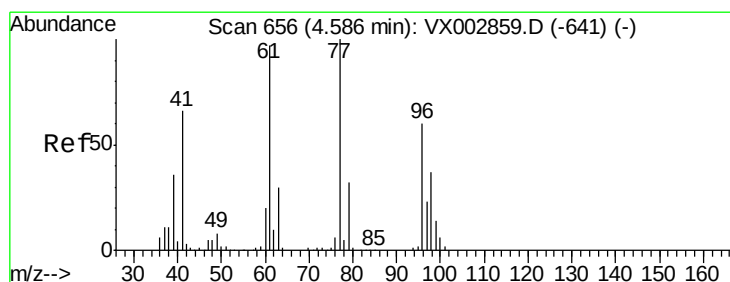
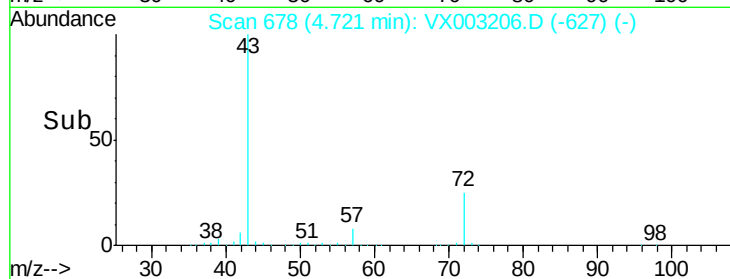
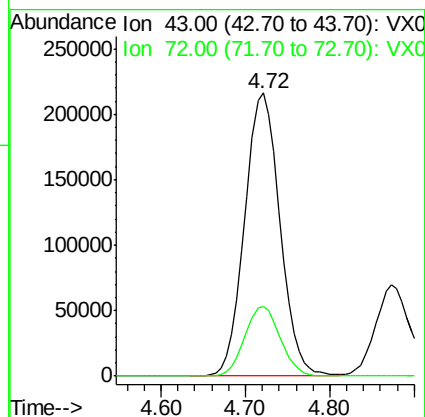
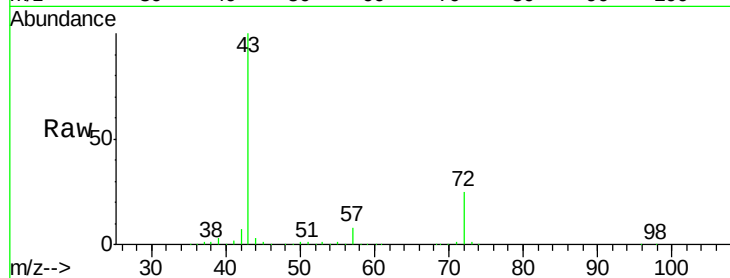
72 24.6 18.5 27.7

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 20.30 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003206.D

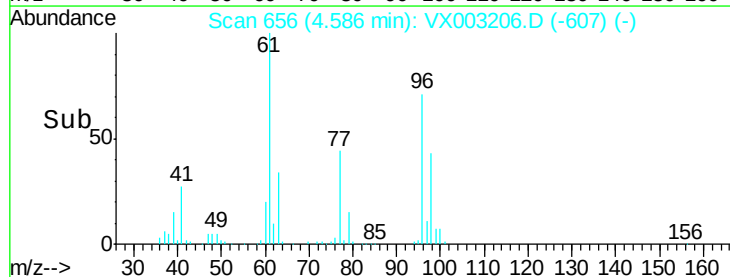
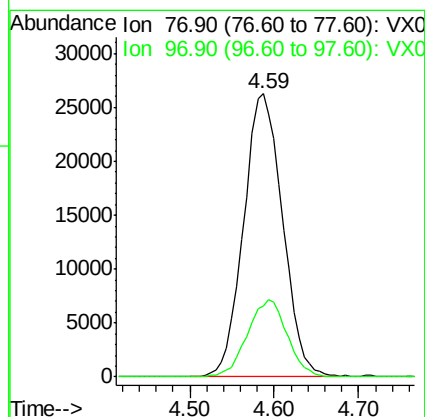
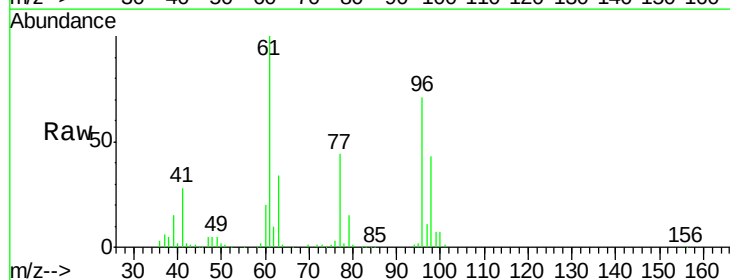
Acq: 06 Jul 2018 07:15

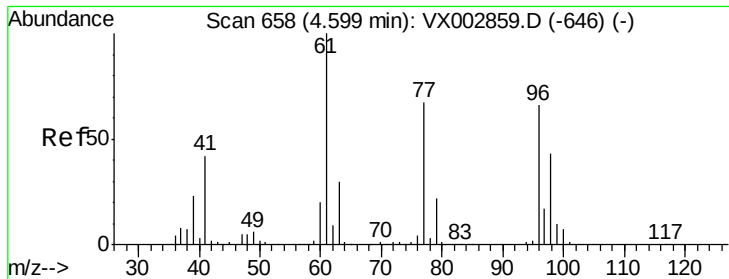
Tgt Ion: 77 Resp: 82483

Ion Ratio Lower Upper

77 100

97 27.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 55.93 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

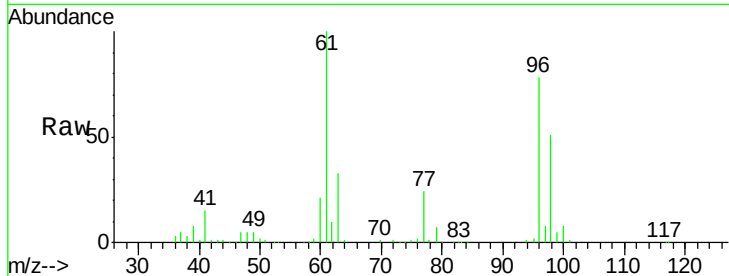
ClientSampleId :

SS032MW061-180702MSD

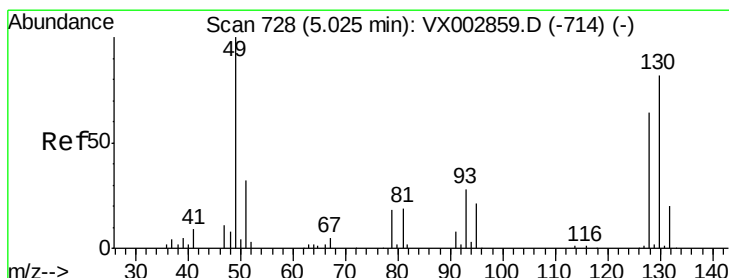
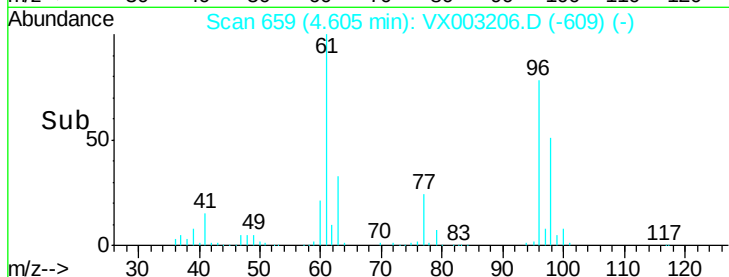
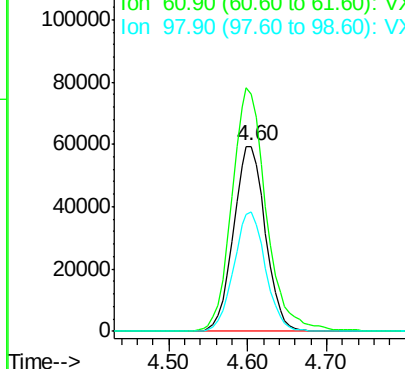
Tot Ion:	96	Resp:	166667
Ion Ratio	Lower	Upper	
96	100		
61	142.2	0.0	330.2
98	64.1	0.0	130.2

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



#28

Bromochloromethane

Concen: 47.01 ug/l

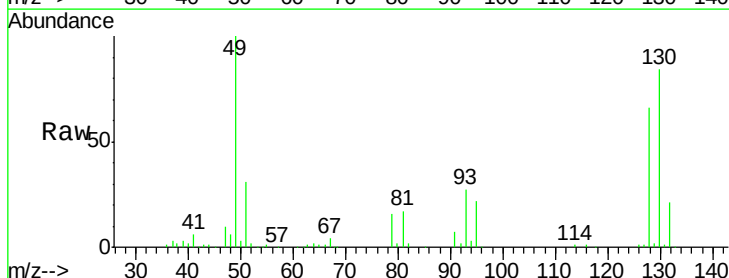
RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

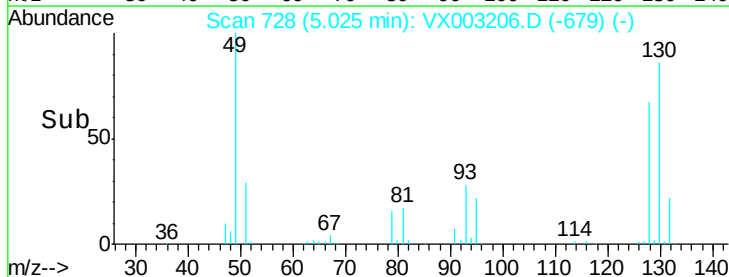
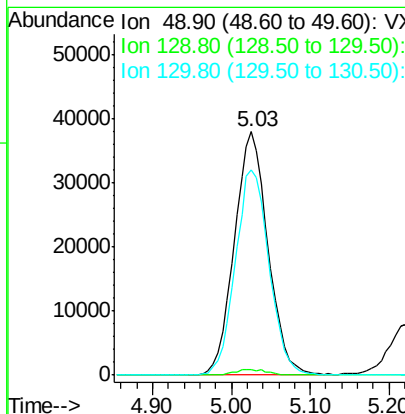
Lab File: VX003206.D

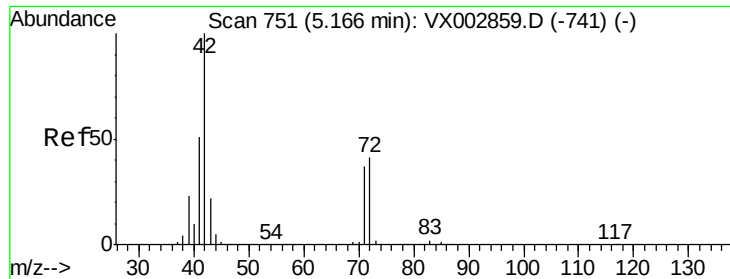
Acq: 06 Jul 2018 07:15

Tgt Ion:	49	Resp:	112455
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.2
130	84.8	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





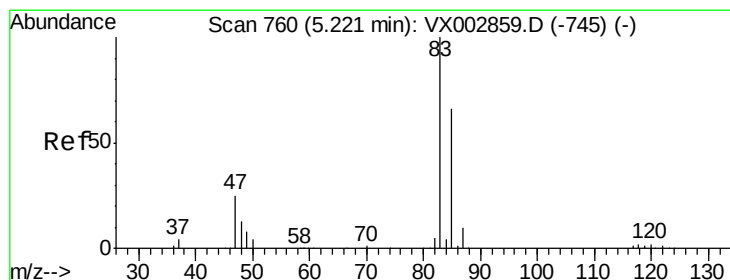
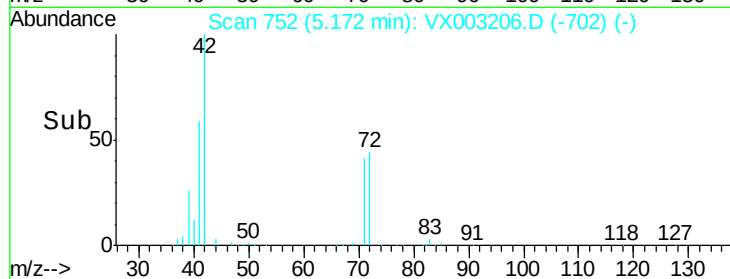
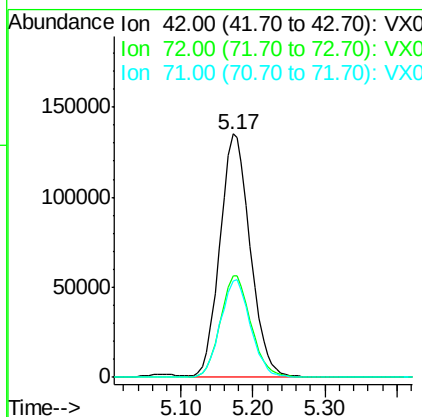
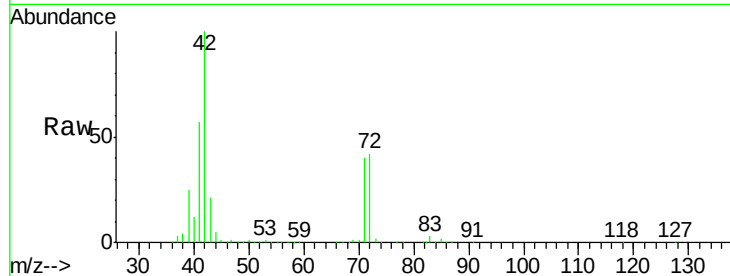
#29
Tetrahydrofuran
Concen: 292.46 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.0	48.0
71	40.0	30.1	45.1

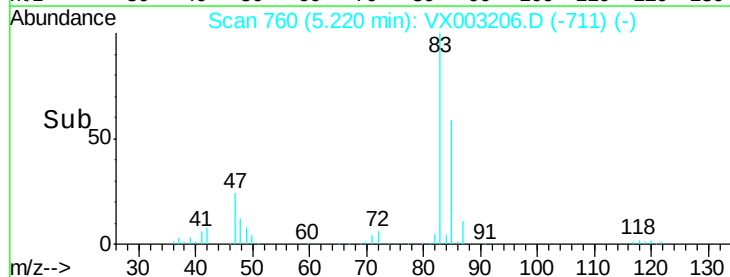
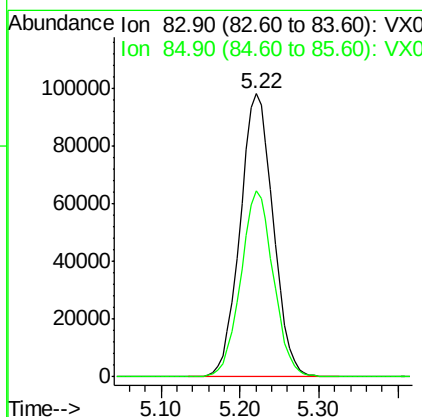
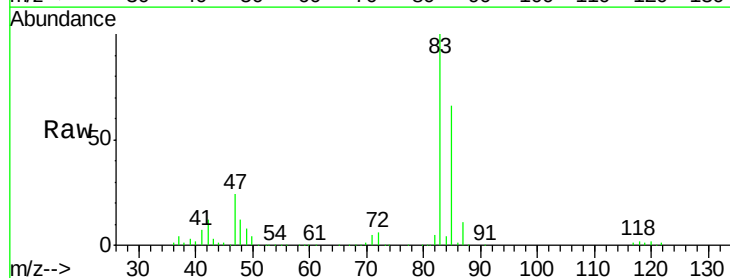
Manual Integrations
APPROVED

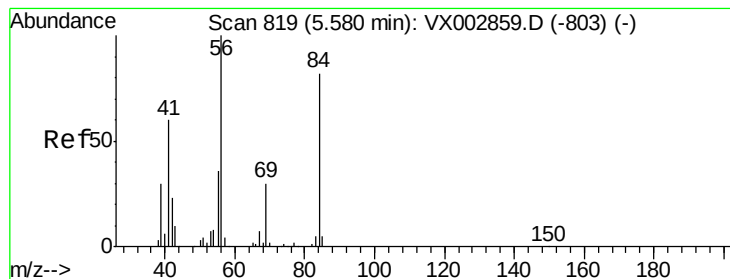
sam
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#30
Chloroform
Concen: 55.89 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 51.42 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

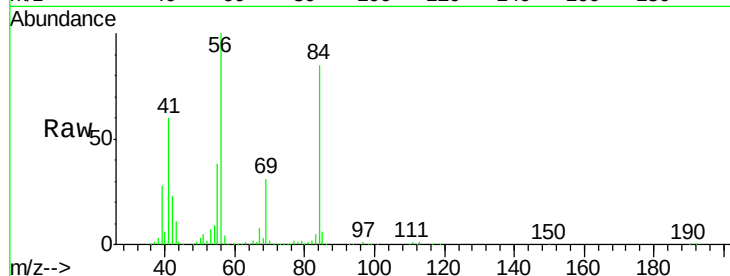
SS032MW061-180702MSD

Tot Ion:	56	Resp:	220558
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.7	35.5
84	84.7	64.1	96.1

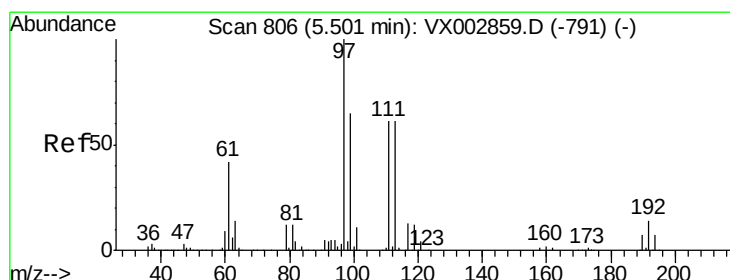
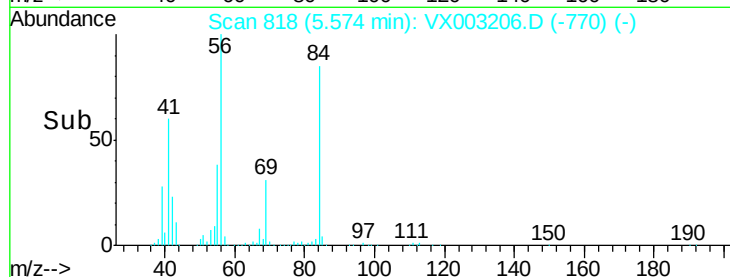
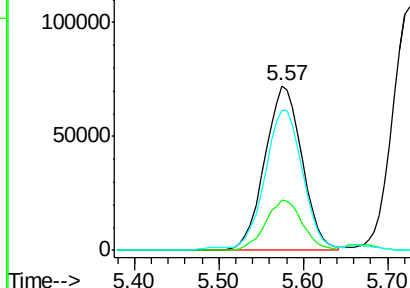
Manual Integrations
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sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 54.98 ug/l

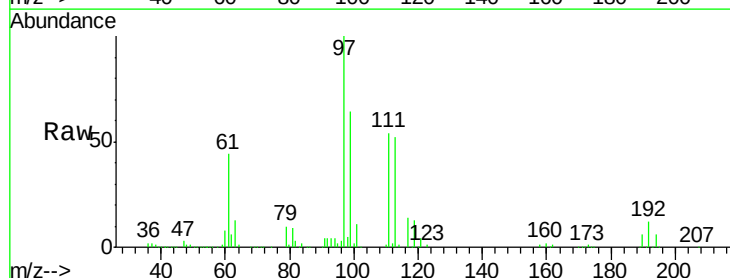
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

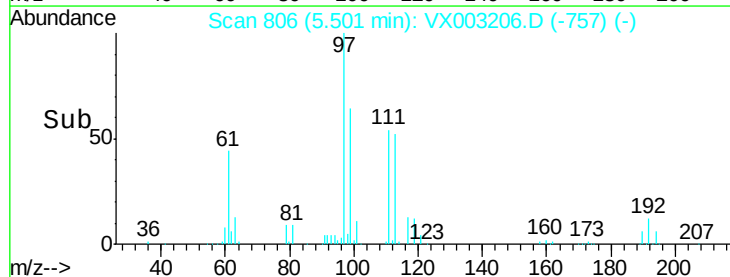
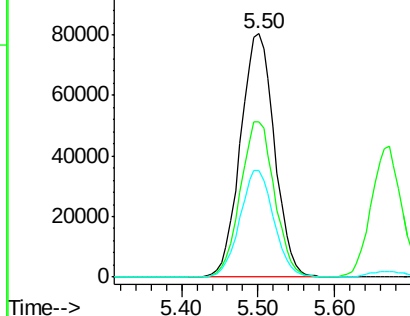
Lab File: VX003206.D

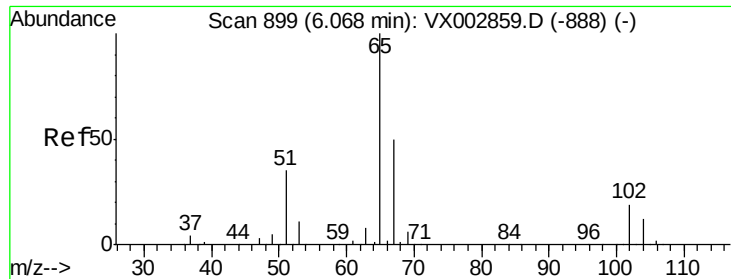
Acq: 06 Jul 2018 07:15

Tgt Ion:	97	Resp:	248105
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.6	77.4
61	43.7	36.4	54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





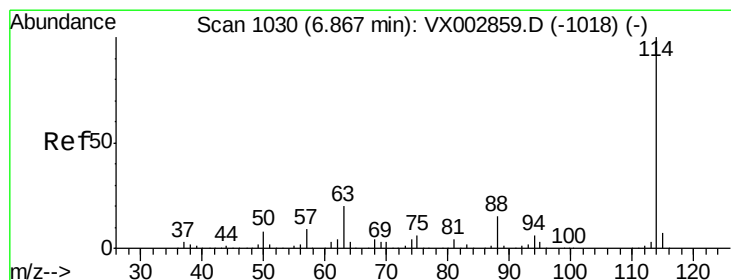
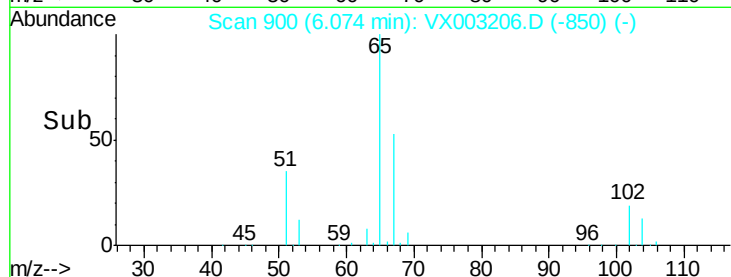
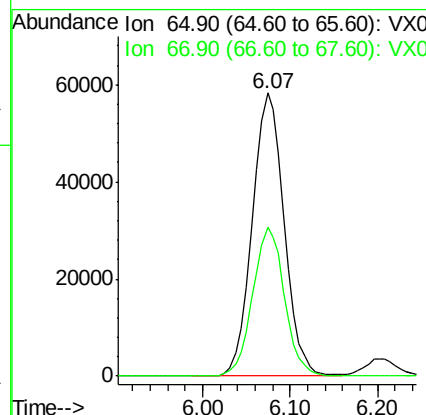
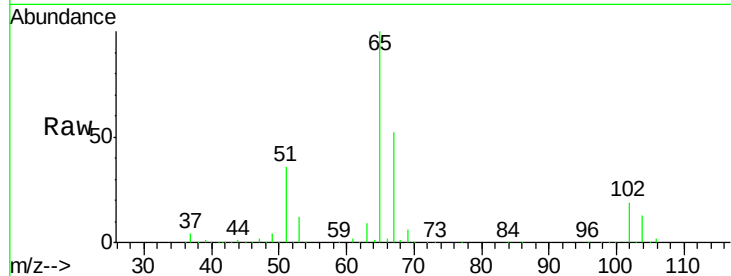
#33
 1,2-Dichloroethane-d4
 Concen: 43.22 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147800		
67	52.2	0.0	102.6	

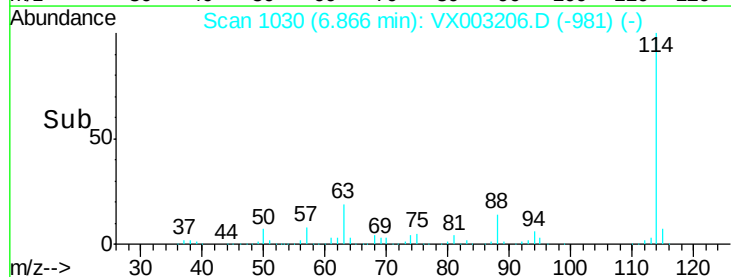
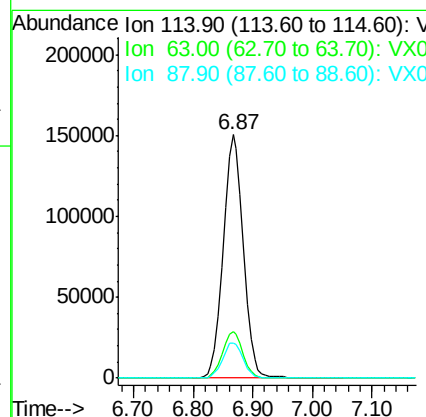
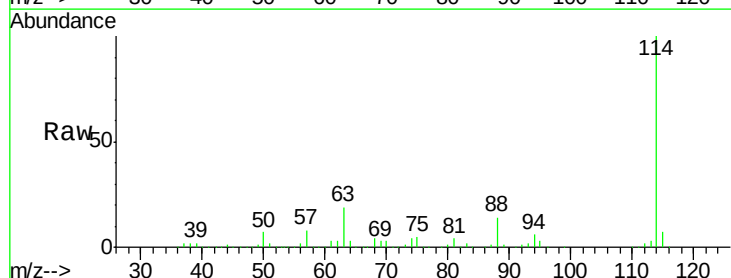
Manual Integrations
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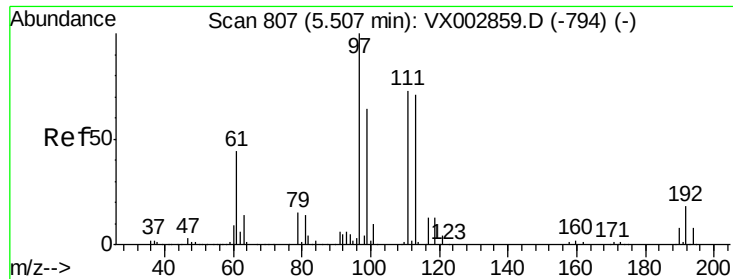
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352036		
63	19.3	0.0	41.4	
88	14.4	0.0	30.0	





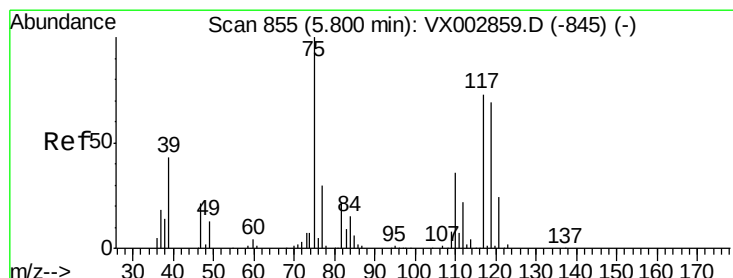
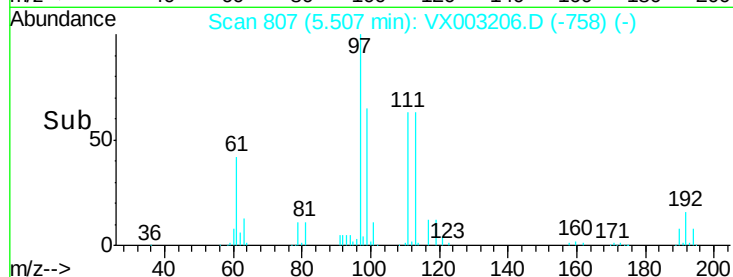
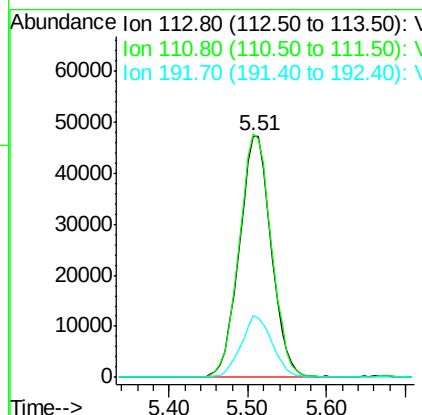
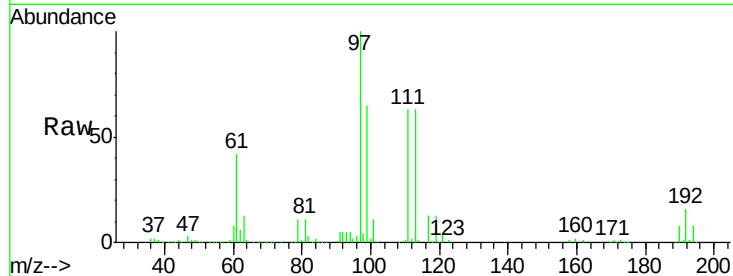
#35
 Dibromofluoromethane
 Concen: 47.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	24.9	19.1	28.7

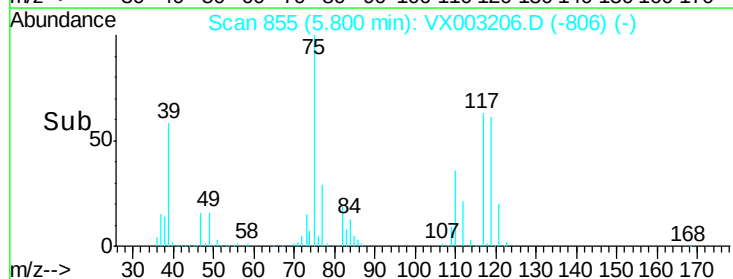
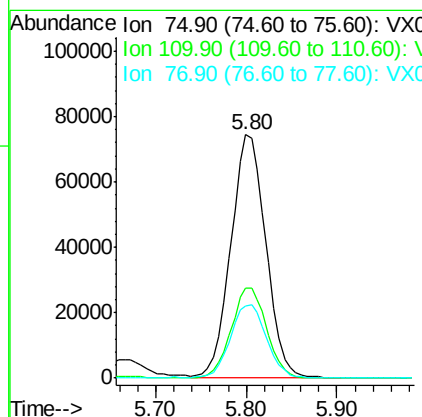
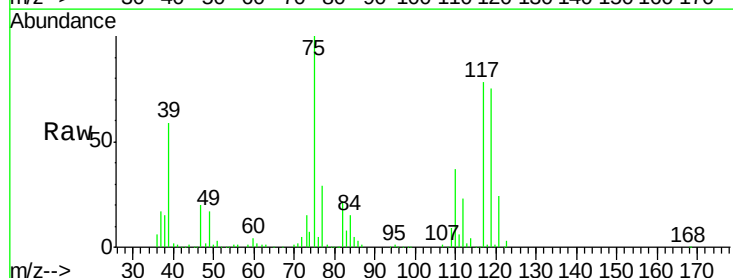
Manual Integrations
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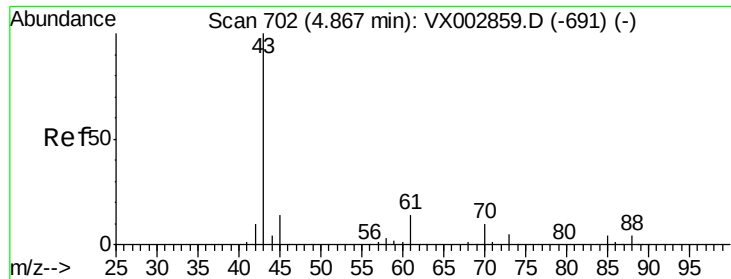
sam
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#36
 1,1-Dichloropropene
 Concen: 51.43 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.1	54.4
77	31.1	24.3	36.5





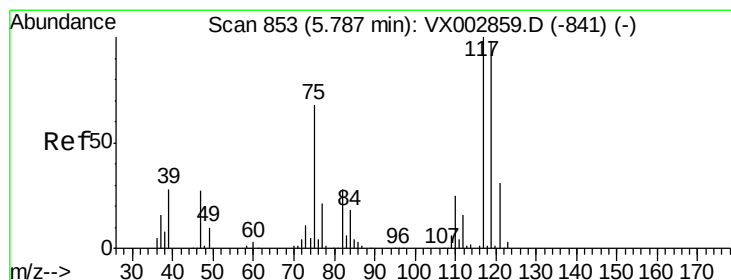
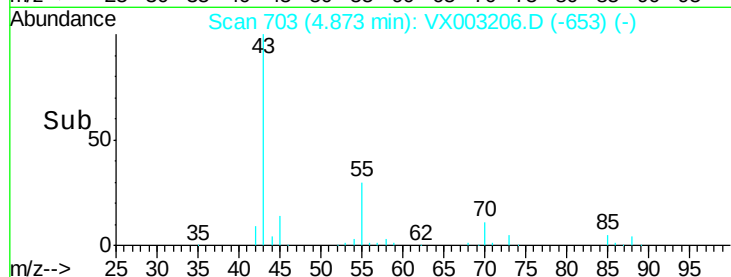
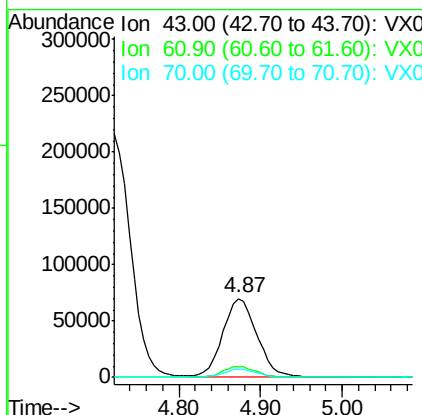
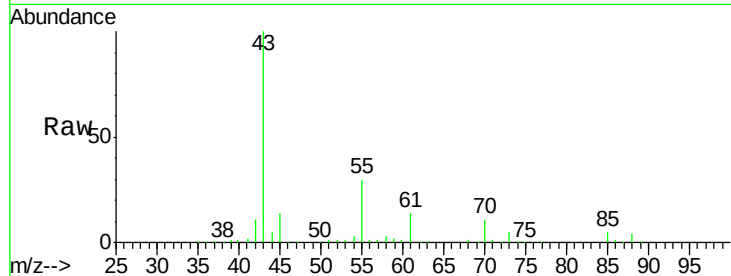
#37
Ethyl Acetate
Concen: 48.25 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	10.4	7.6	11.4

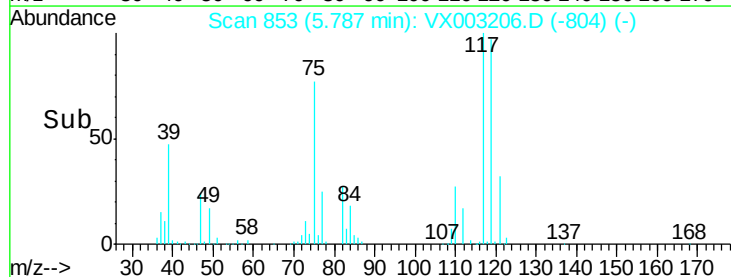
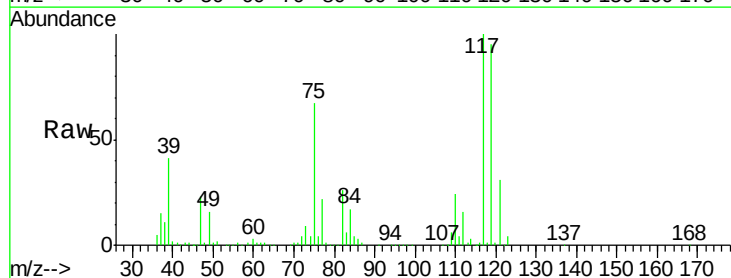
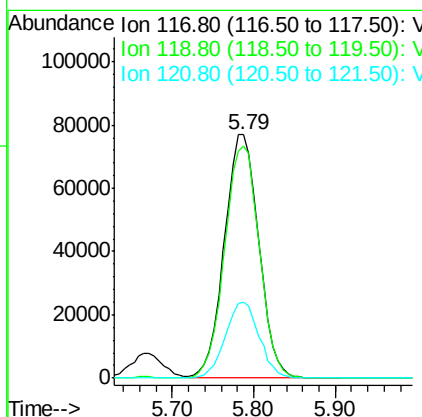
Manual Integrations
APPROVED

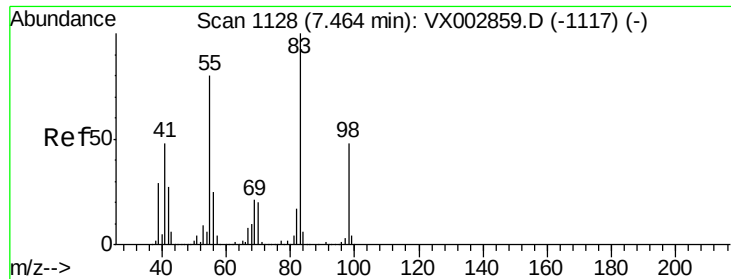
sam
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#38
Carbon Tetrachloride
Concen: 53.00 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	31.3	24.4	36.6





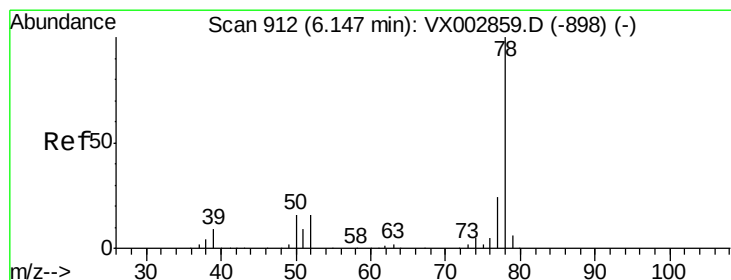
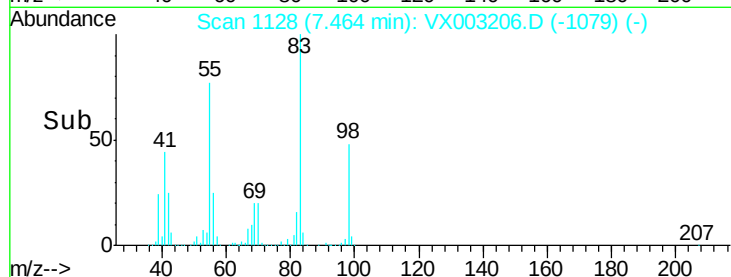
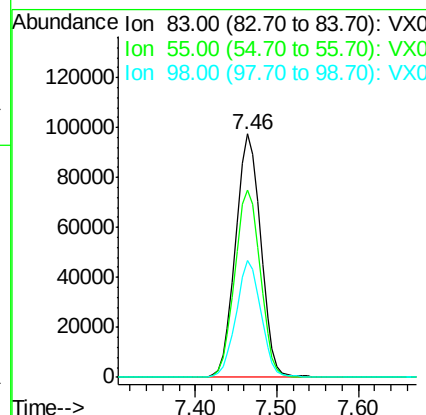
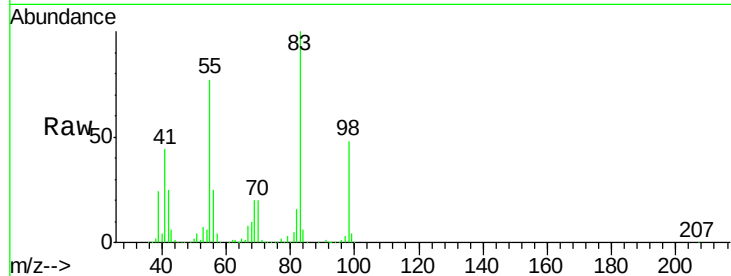
#39
Methylvlcyclohexane
Concen: 46.05 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	65.4	98.0
98	47.9	37.4	56.0

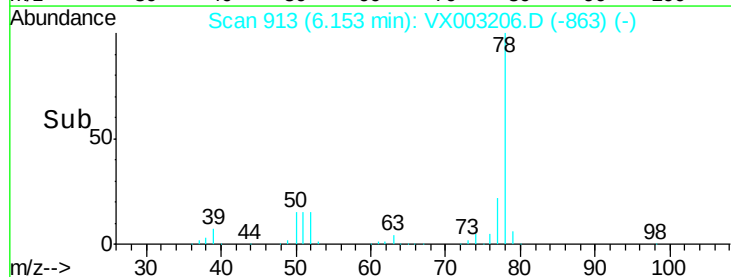
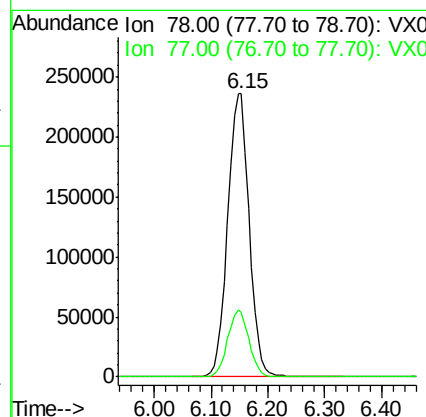
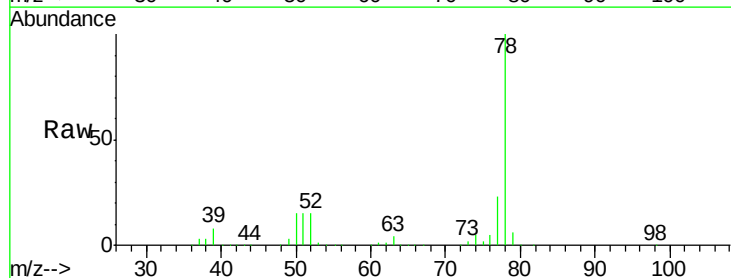
Manual Integrations
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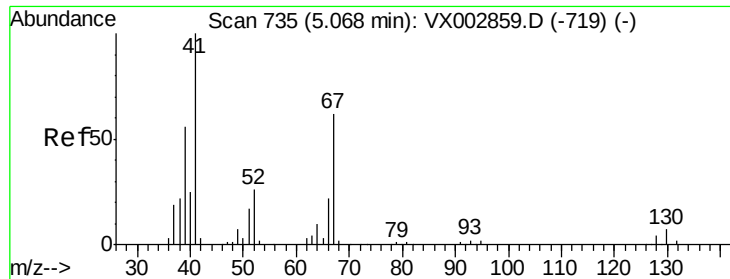
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#40
Benzene
Concen: 55.16 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7





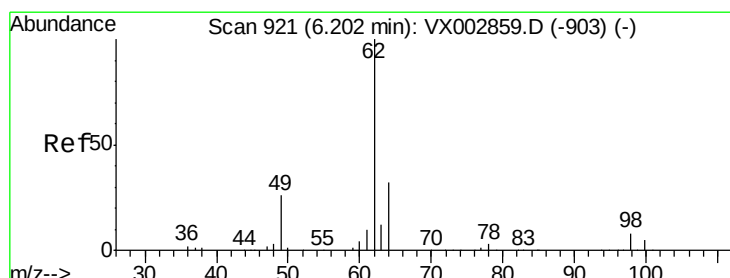
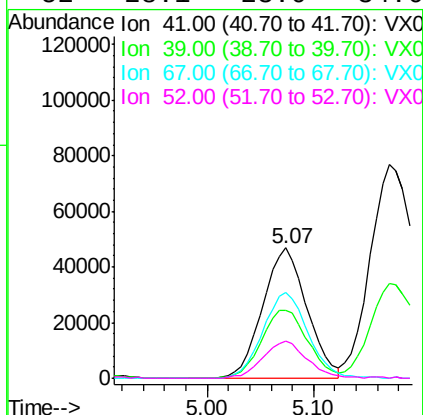
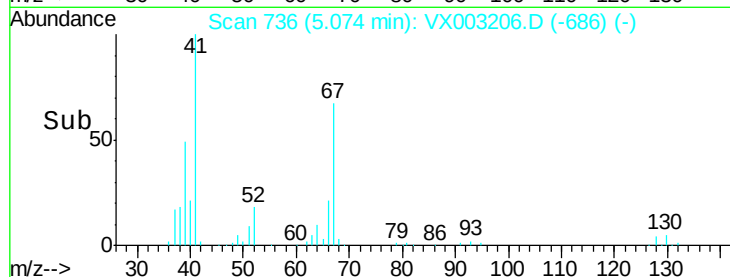
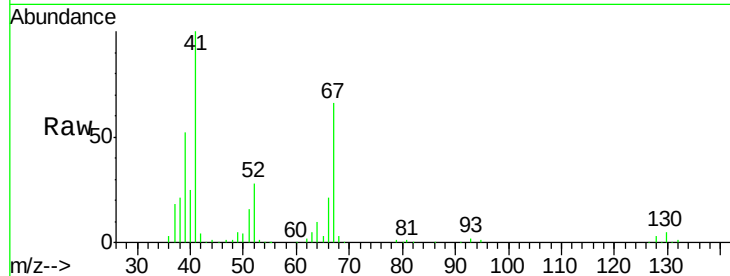
#41
Methacrylonitrile
Concen: 56.03 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		134103		
39	54.6	45.8	68.6		
67	67.6	51.3	76.9		
52	28.1	23.0	34.6		

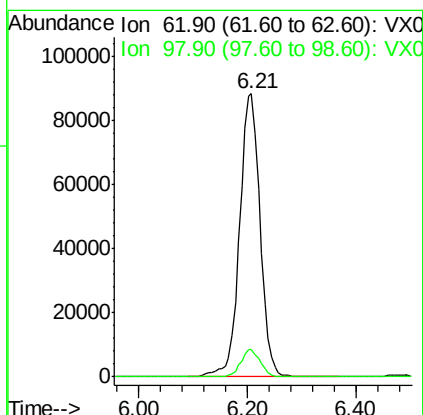
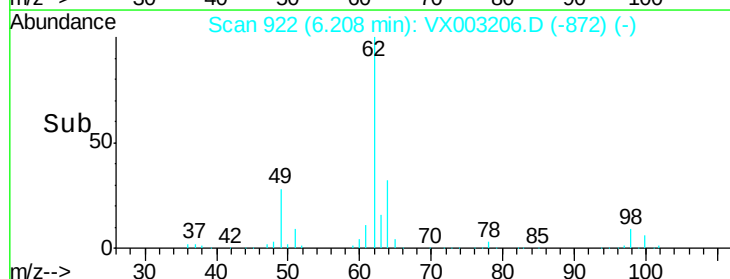
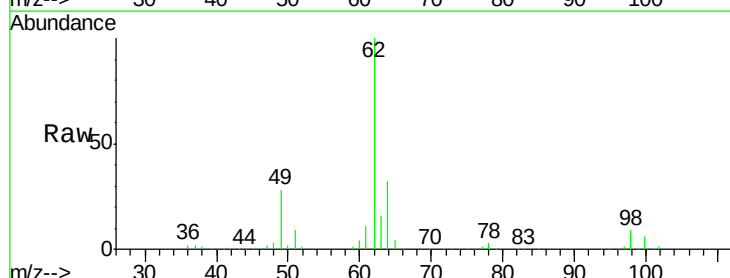
Manual Integrations
APPROVED

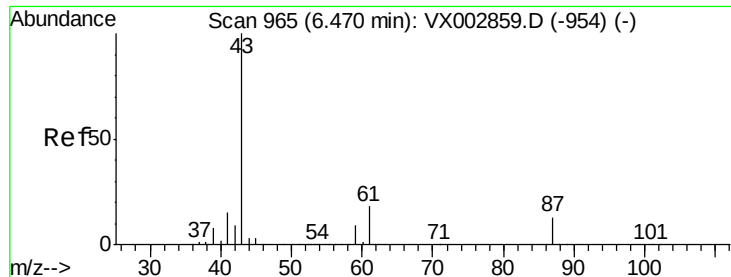
sam
7/6/2018 4:20:48 PM



#42
1,2-Dichloroethane
Concen: 51.15 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		231769		
98	9.0	0.0	16.6		





#43

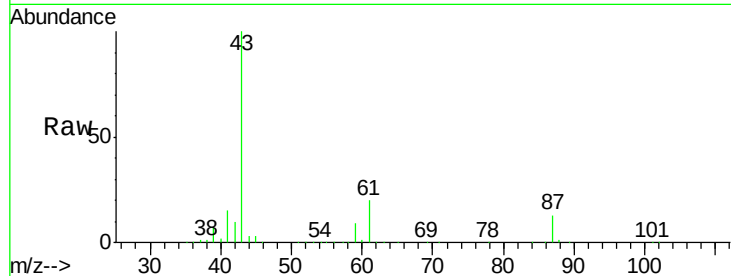
Isopropyl Acetate
 Concen: 48.96 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

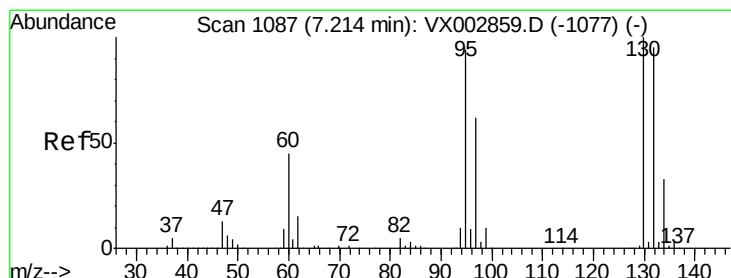
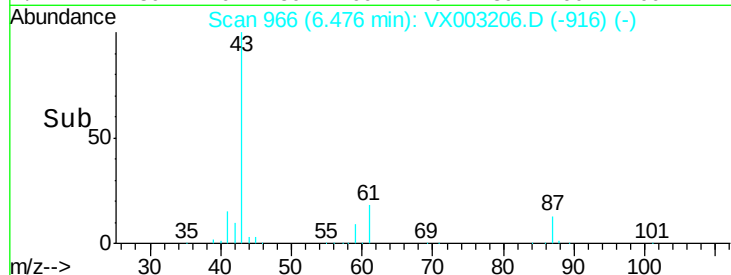
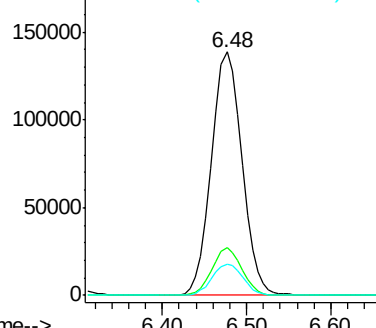
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.4	21.6
87	13.1	9.5	14.3

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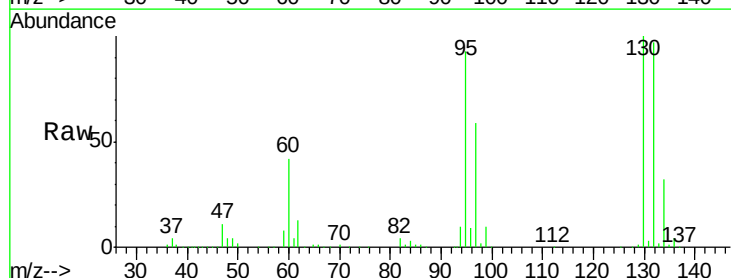
Abundance Ion 43.00 (42.70 to 43.70): VX003206.D (-916) (-)



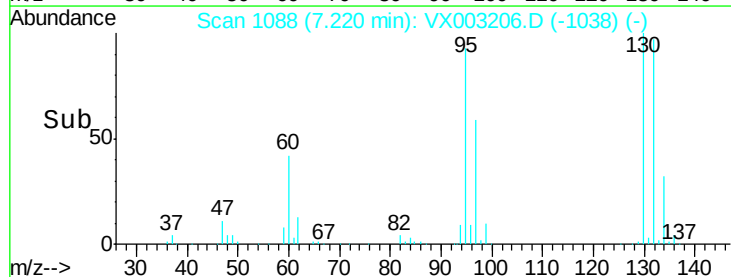
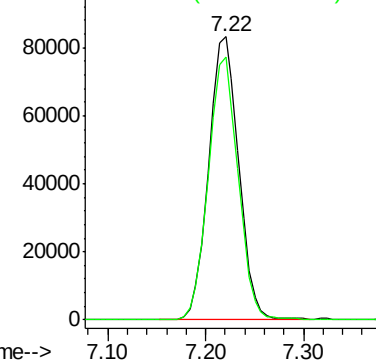
#44

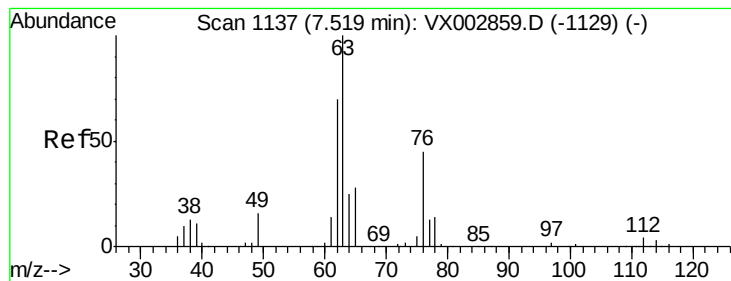
Trichloroethene
 Concen: 53.25 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.4



Abundance Ion 129.80 (129.50 to 130.50): VX003206.D (-1038) (-)





#45

1,2-Dichloropropane

Concen: 54.28 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 63 Resp: 161507

Ion Ratio Lower Upper

63 100

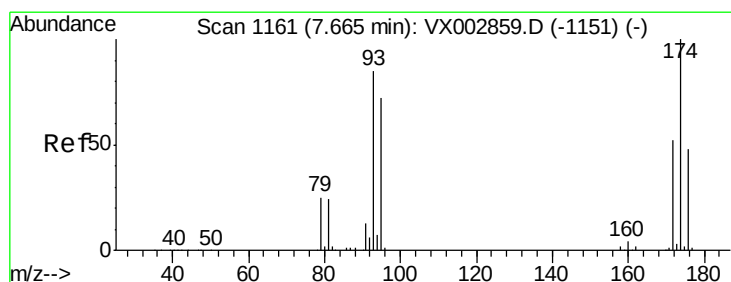
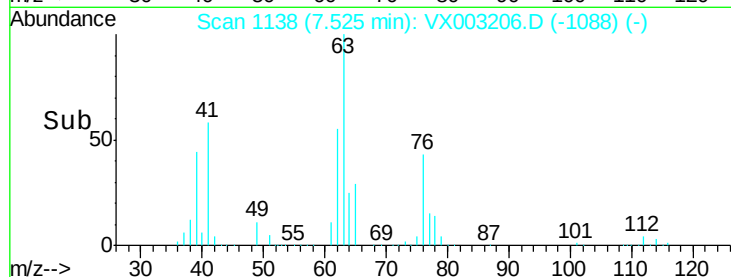
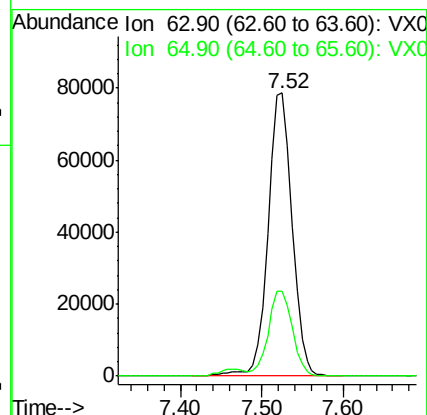
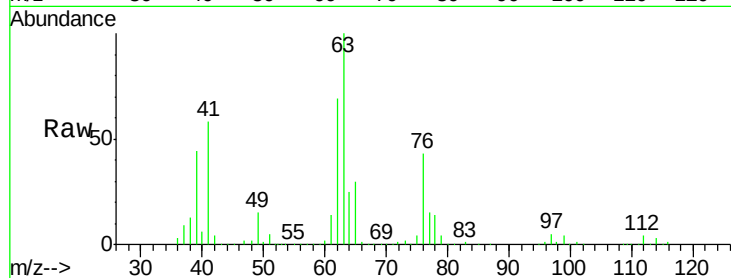
65 30.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 53.60 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

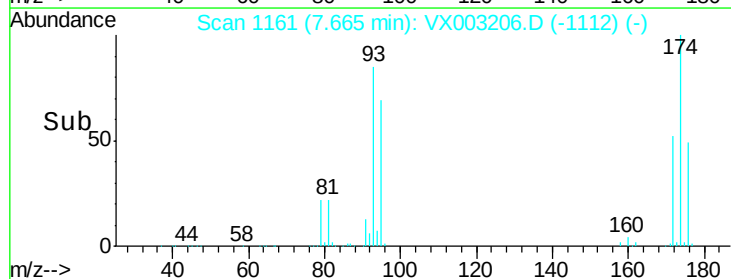
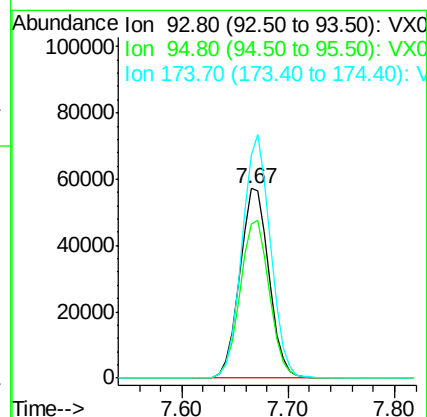
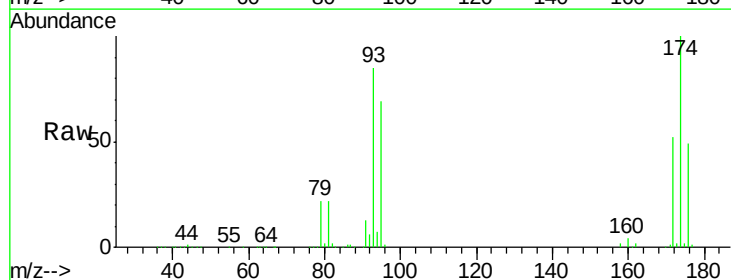
Tgt Ion: 93 Resp: 110680

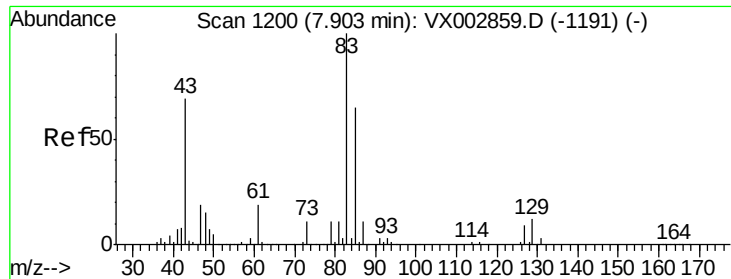
Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

174 124.6 92.4 138.6





#47

Bromodichloromethane

Concen: 55.38 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

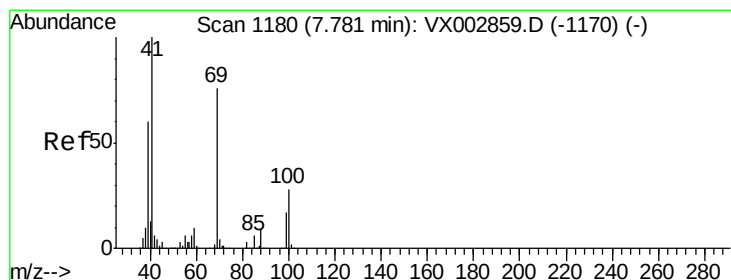
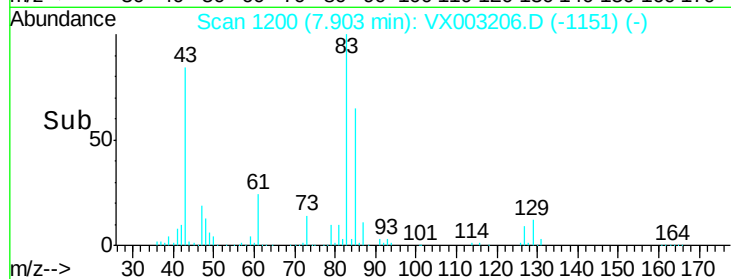
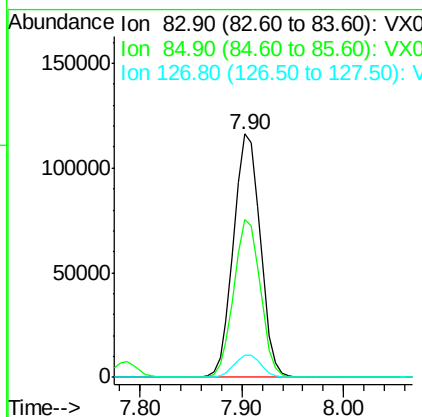
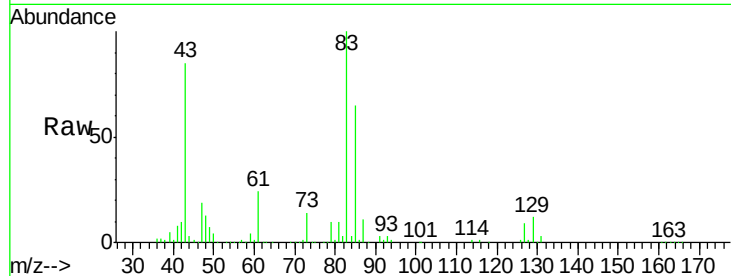
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	83	Resp:	211423
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.58 ug/l

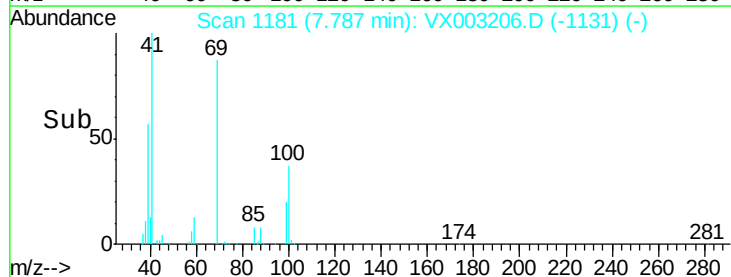
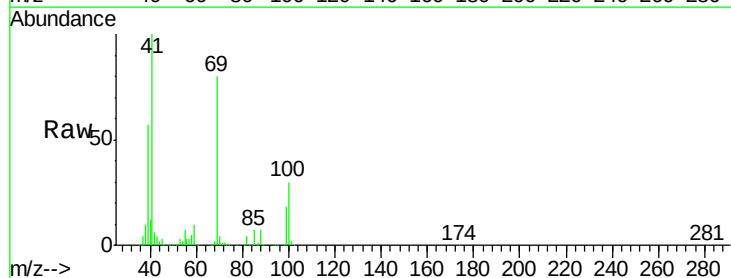
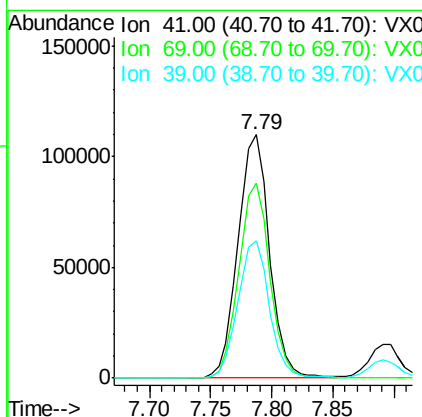
RT: 7.79 min Scan# 1181

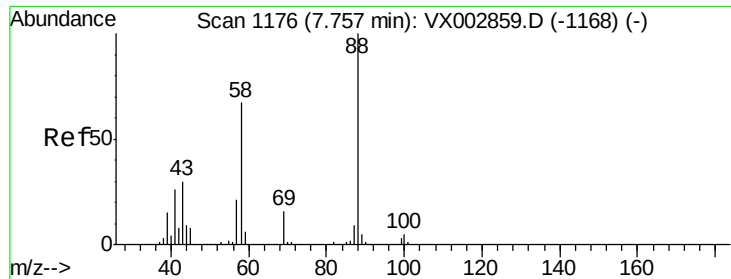
Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	41	Resp:	196051
Ion Ratio	Lower	Upper	
41	100		
69	79.9	59.1	88.7
39	56.5	48.9	73.3





#49

1,4-Dioxane

Concen: 1029.80 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

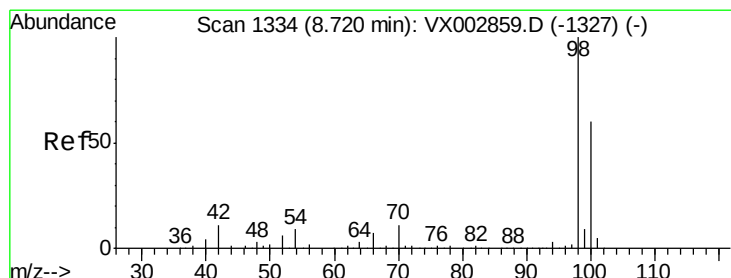
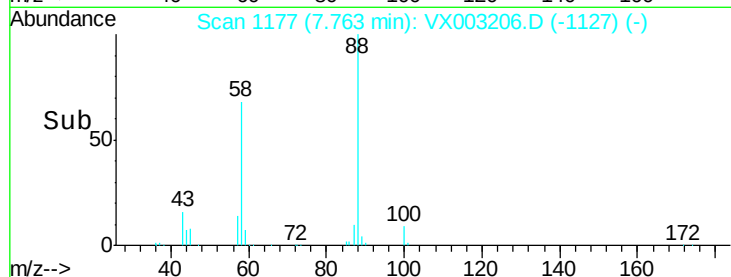
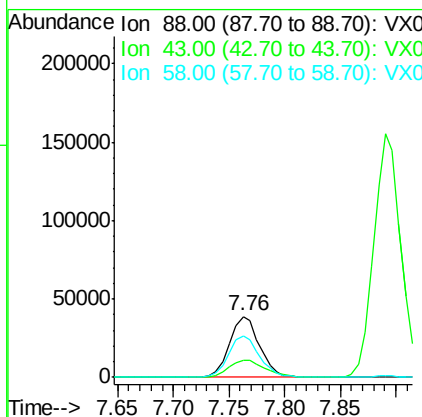
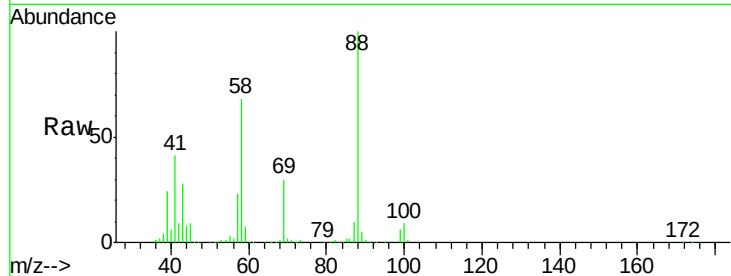
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	88	Resp:	71967
Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.8	44.6
58	70.5	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 40.20 ug/l

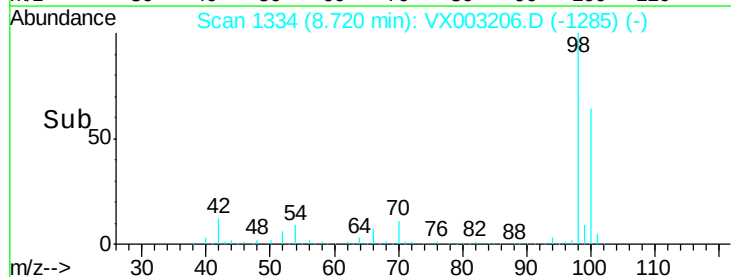
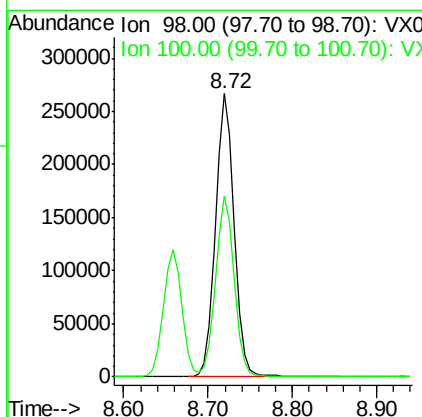
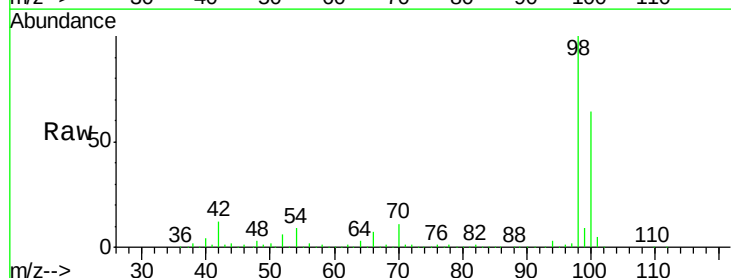
RT: 8.72 min Scan# 1334

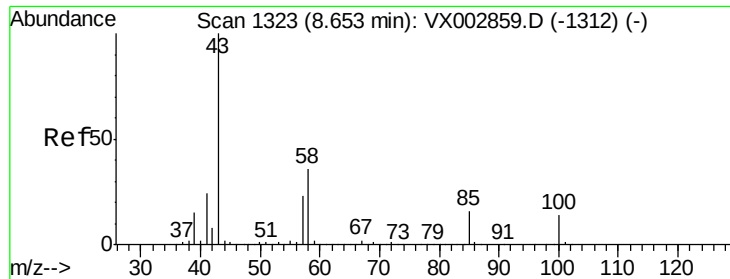
Delta R.T. 0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	98	Resp:	409270
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 281.68 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 43 Resp: 1228594

Ion Ratio Lower Upper

43 100

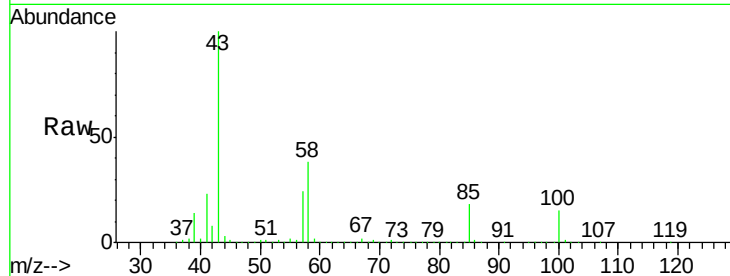
58 37.7 28.6 42.8

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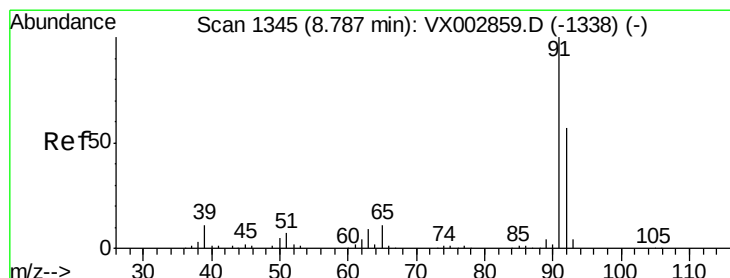
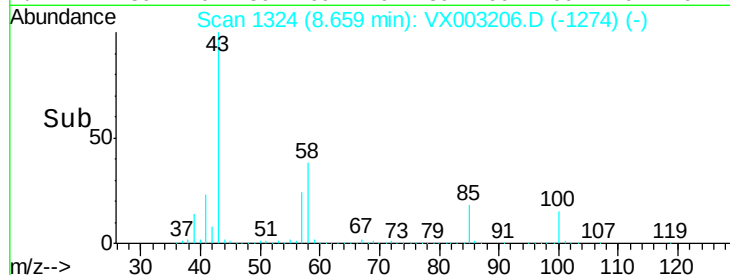
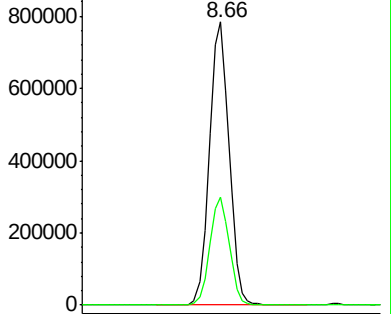
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.71 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003206.D

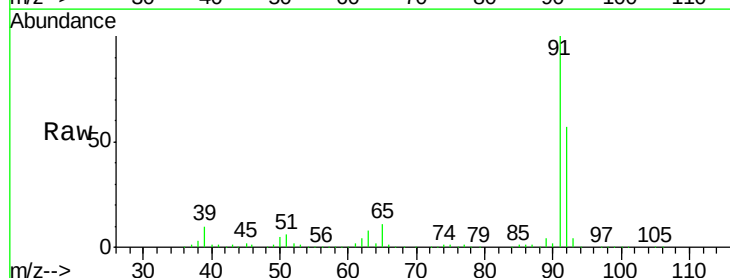
Acq: 06 Jul 2018 07:15

Tgt Ion: 92 Resp: 393102

Ion Ratio Lower Upper

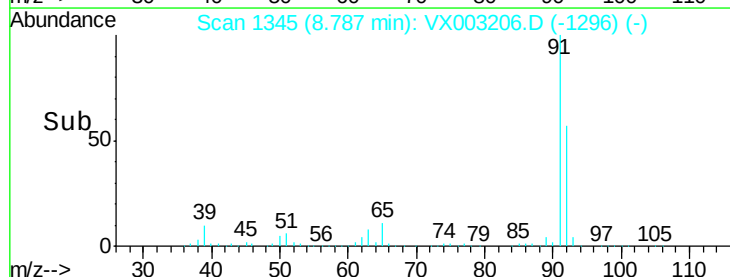
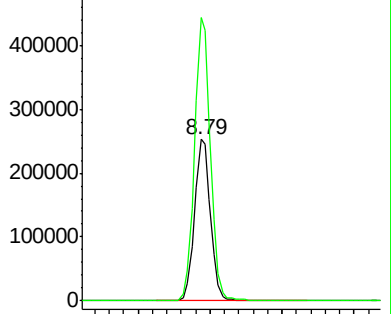
92 100

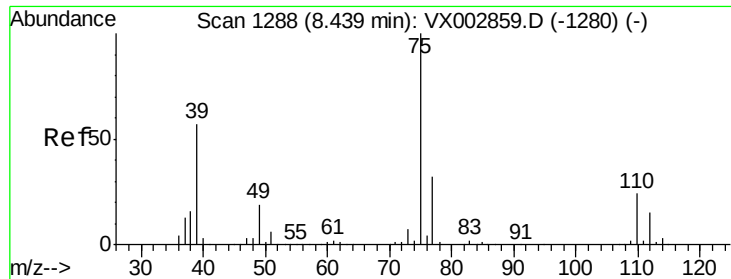
91 174.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.78 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 75 Resp: 210890

Ion Ratio Lower Upper

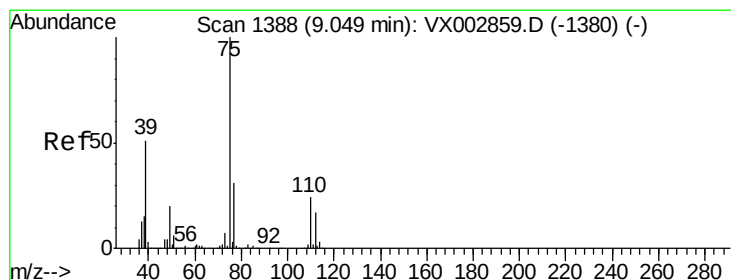
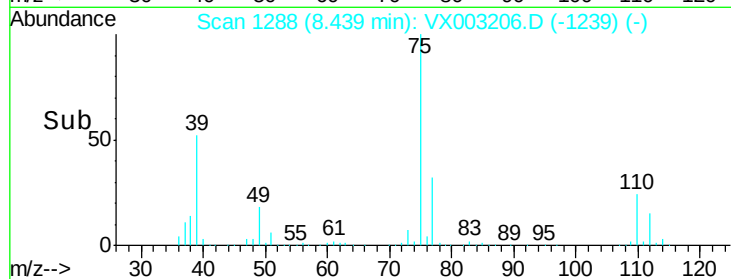
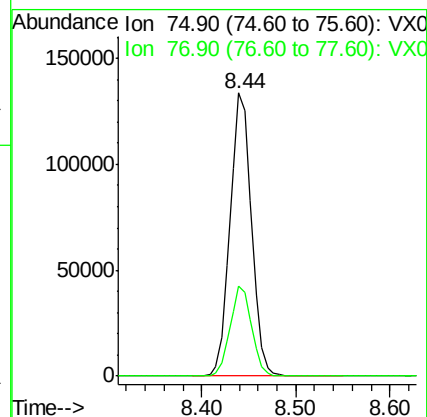
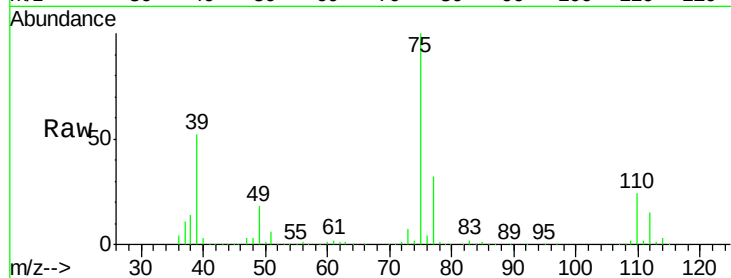
75 100

77 31.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 47.74 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

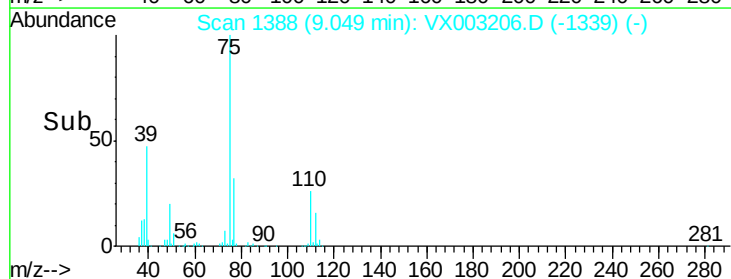
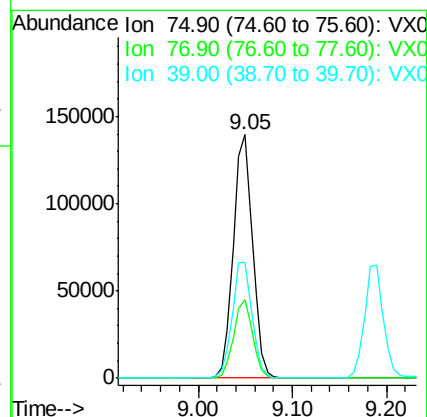
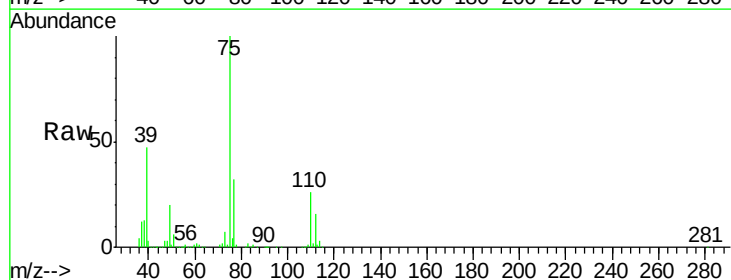
Tgt Ion: 75 Resp: 198594

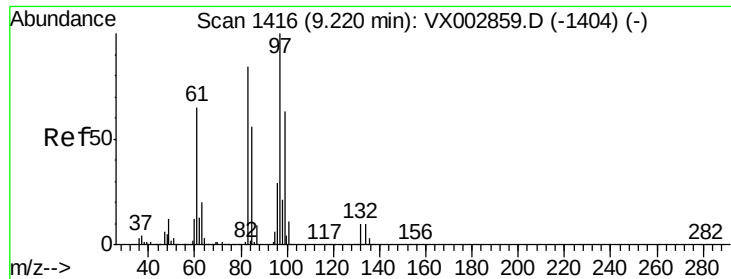
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 47.1 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 55.84 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

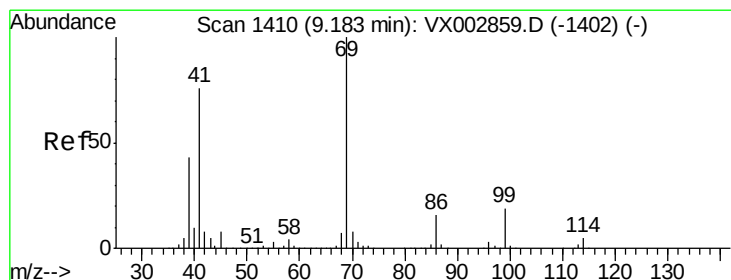
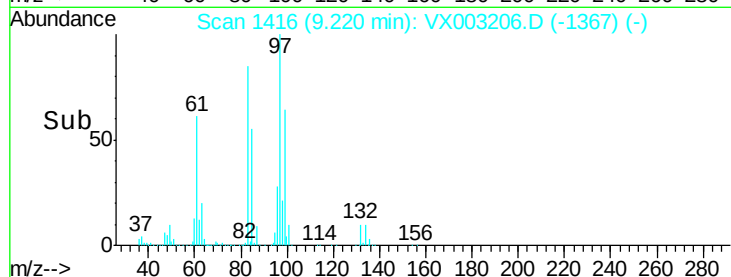
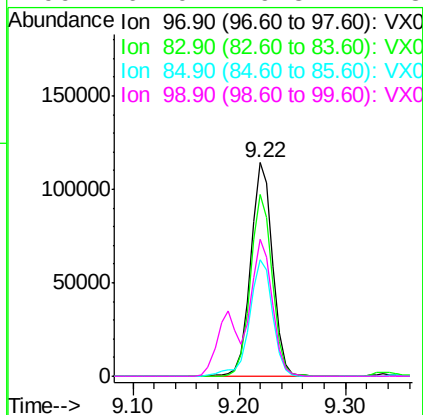
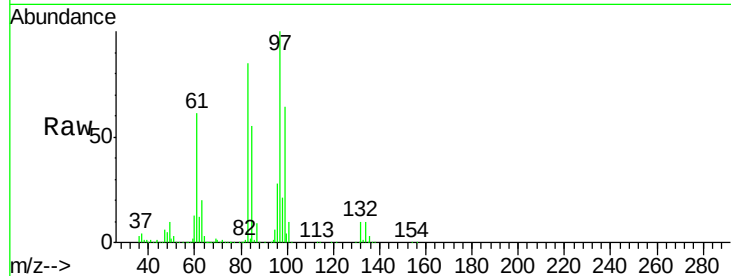
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	97	Resp:	164882
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.2	105.2
85	54.8	44.9	67.3
99	64.0	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.53 ug/l

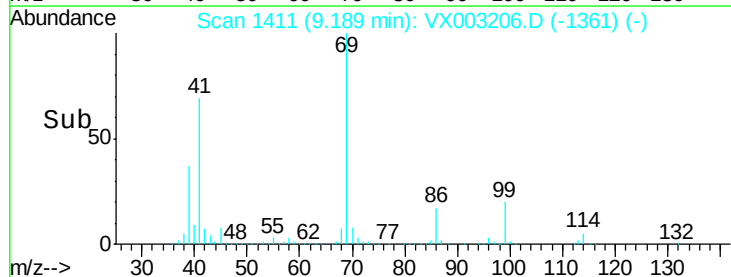
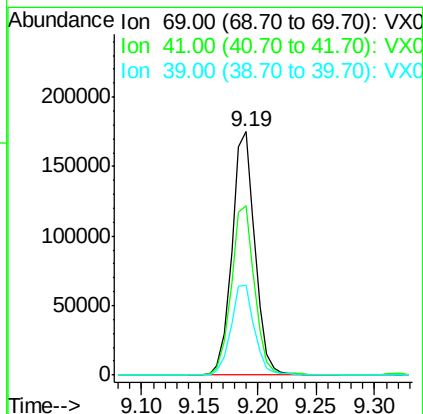
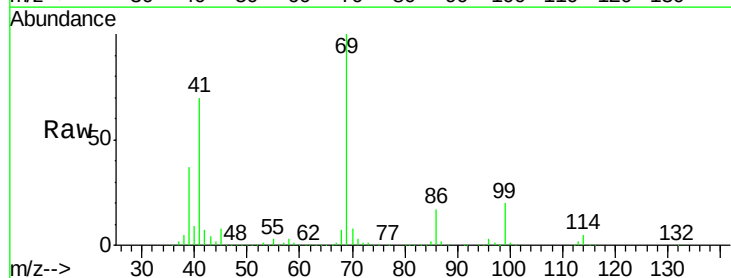
RT: 9.19 min Scan# 1411

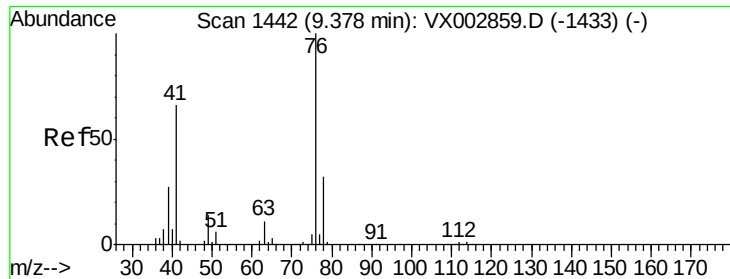
Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	69	Resp:	239657
Ion	Ratio	Lower	Upper
69	100		
41	70.5	60.3	90.5
39	37.7	35.8	53.8





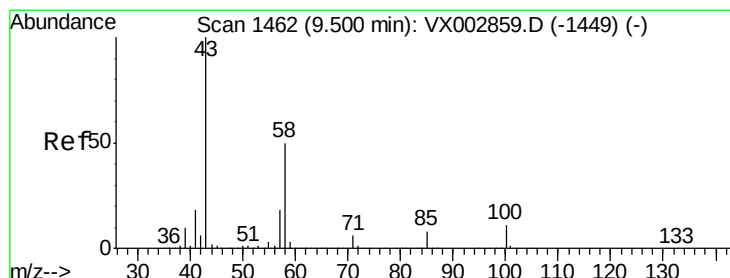
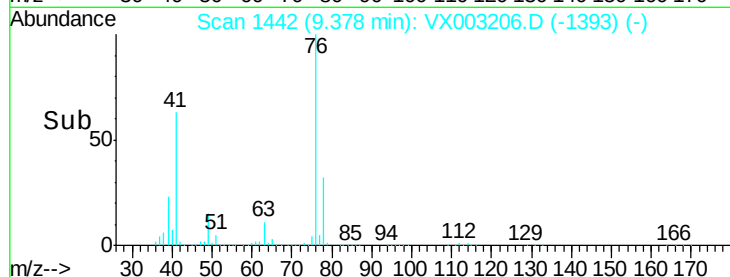
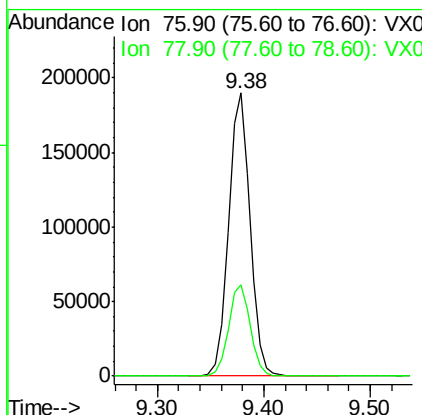
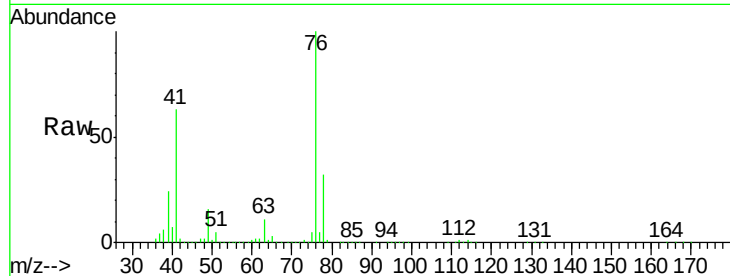
#57
 1,3-Dichloropropane
 Concen: 55.12 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

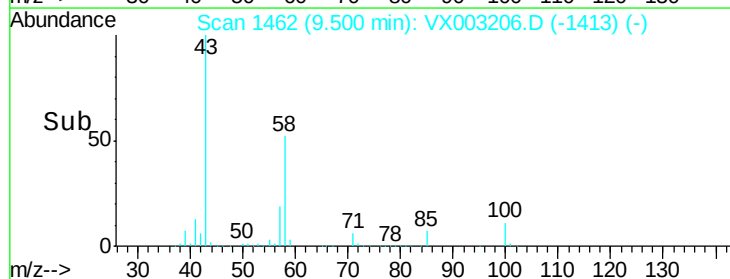
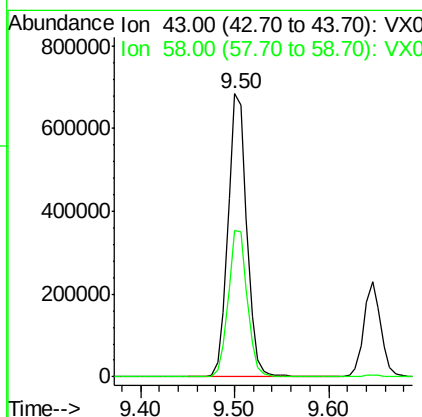
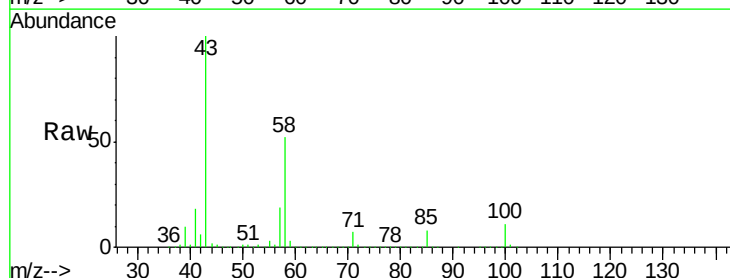
Manual Integrations
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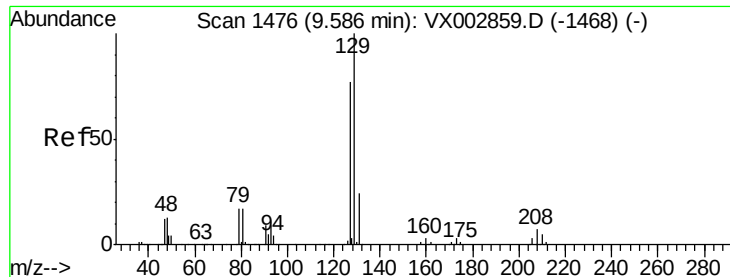
sam
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#59
 2-Hexanone
 Concen: 285.06 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.3	24.6	73.6





#60

Dibromochloromethane

Concen: 57.95 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion:129 Resp: 180122

Ion Ratio Lower Upper

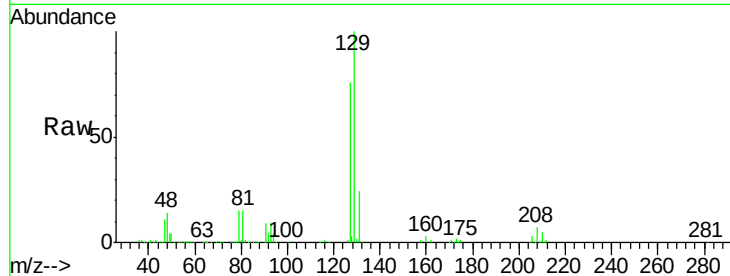
129 100

127 76.4 38.5 115.3

Manual Integrations
APPROVED

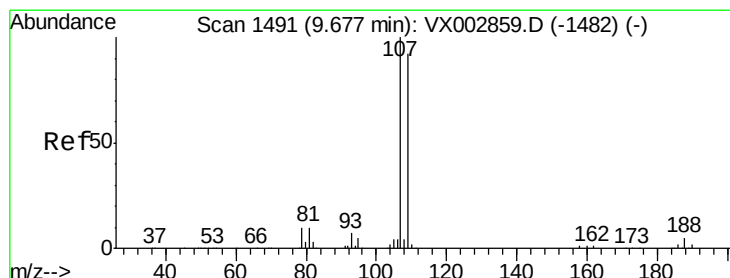
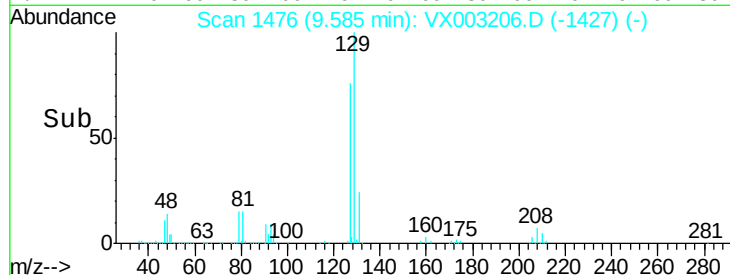
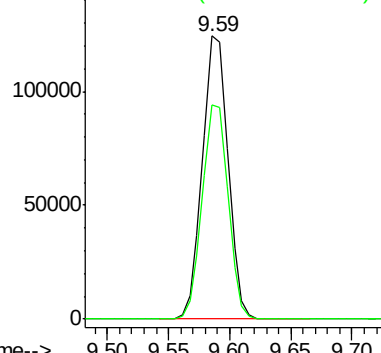
sam

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 56.70 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003206.D

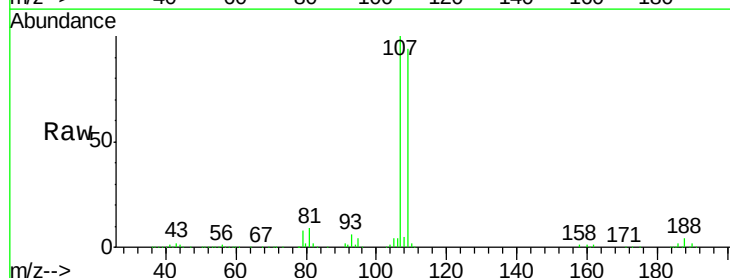
Acq: 06 Jul 2018 07:15

Tgt Ion:107 Resp: 175626

Ion Ratio Lower Upper

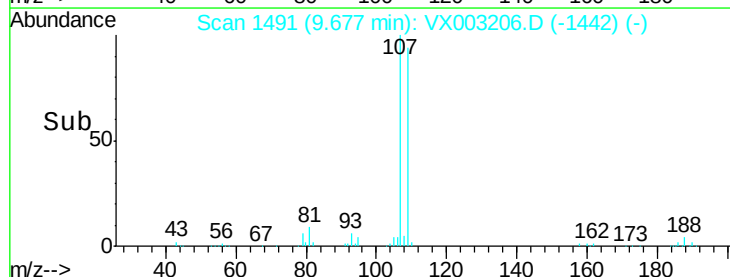
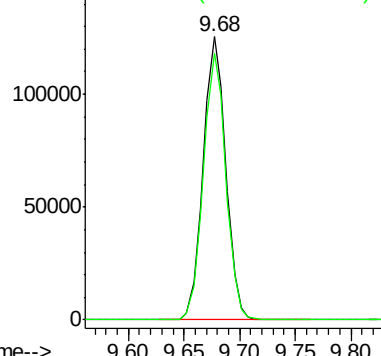
107 100

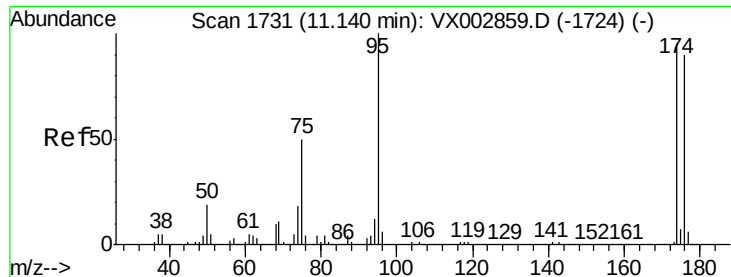
109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 45.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 95 Resp: 178087

Ion Ratio Lower Upper

95 100

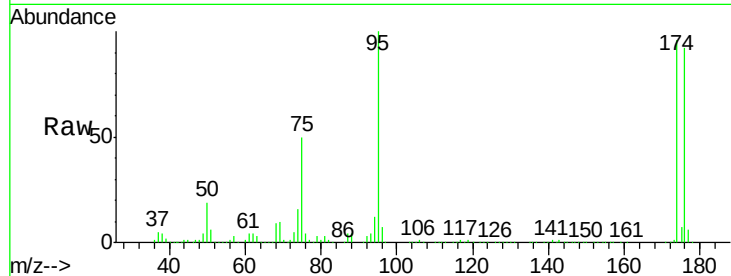
174 98.9 0.0 187.4

176 95.9 0.0 181.0

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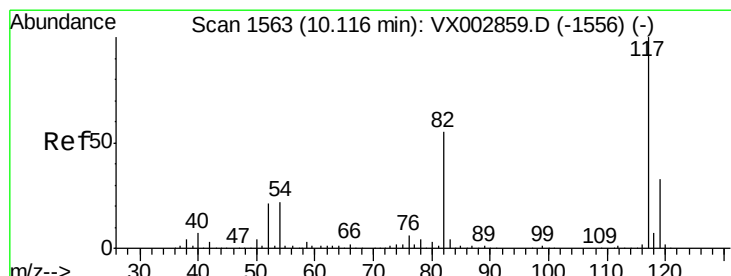
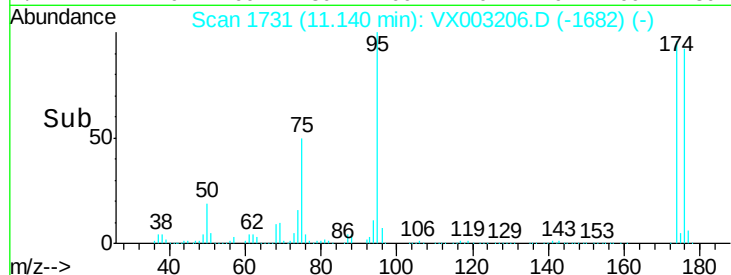
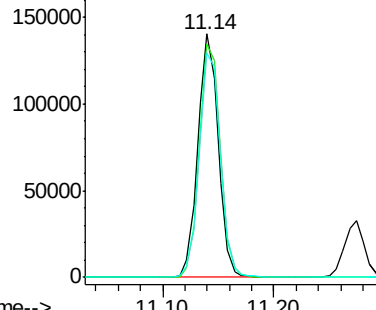
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Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

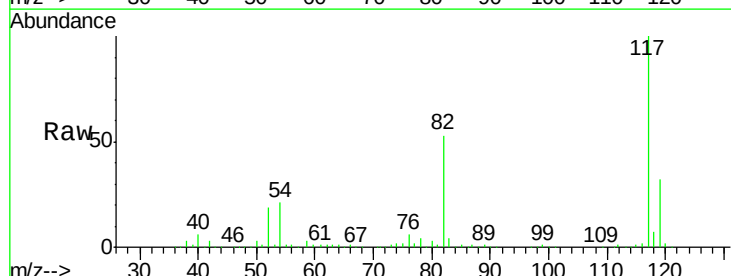
Tgt Ion: 117 Resp: 332683

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

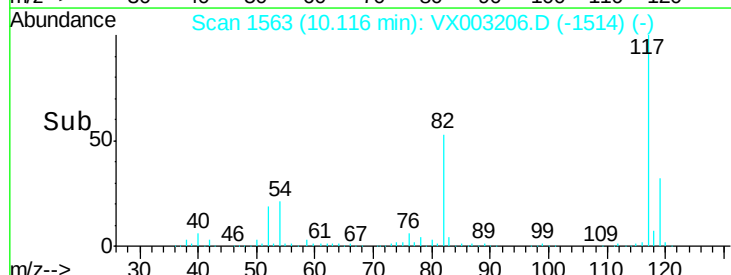
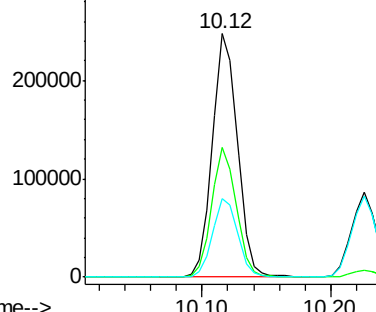
119 32.1 25.8 38.6

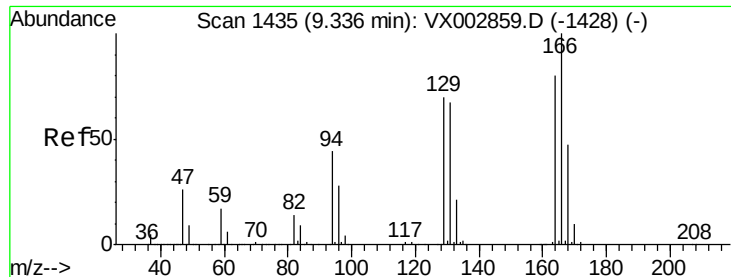


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#64

Tetrachloroethene

Concen: 51.66 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

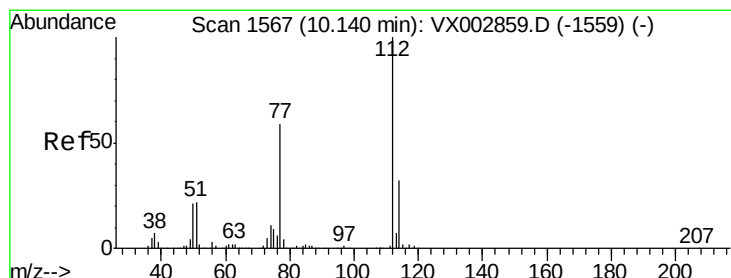
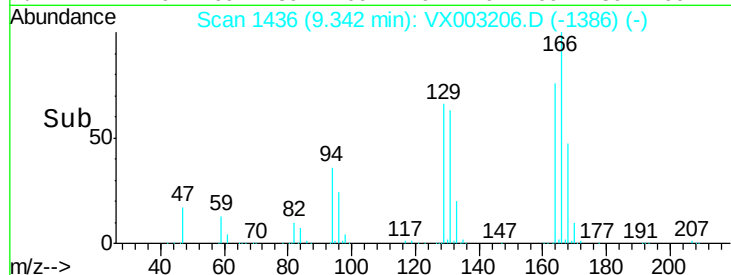
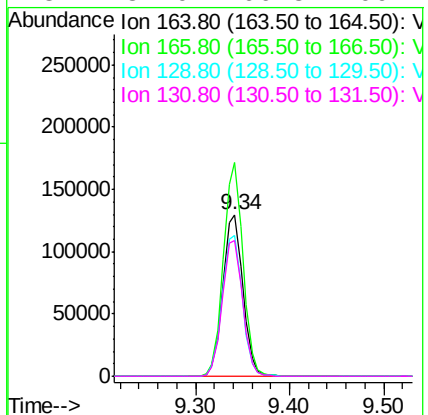
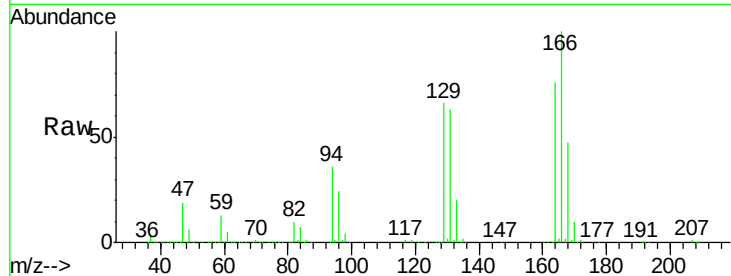
ClientSampleId :

SS032MW061-180702MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	132.4	191120	102.9	154.3
129	87.0		68.6	102.8
131	84.0		66.8	100.2

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#65

Chlorobenzene

Concen: 53.81 ug/l

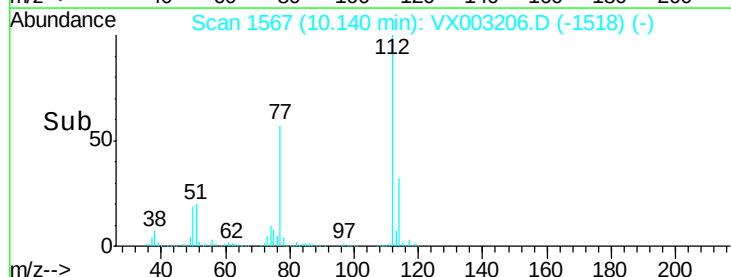
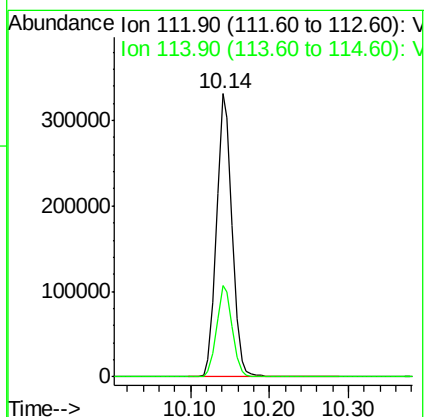
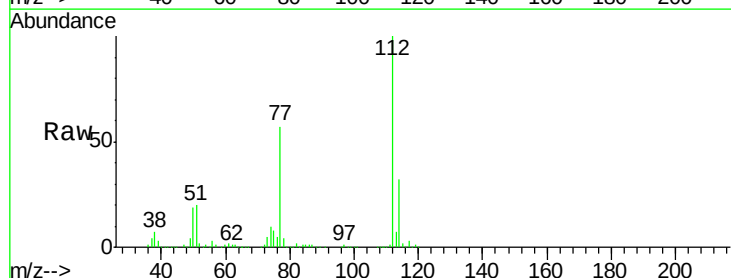
RT: 10.14 min Scan# 1567

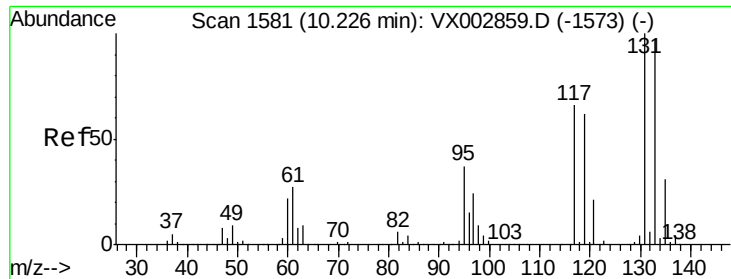
Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	454666		
114	32.5		25.3	37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 56.44 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

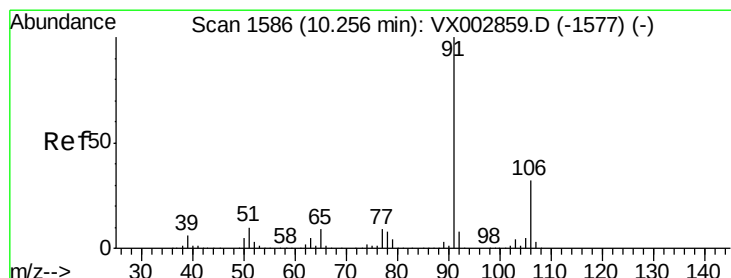
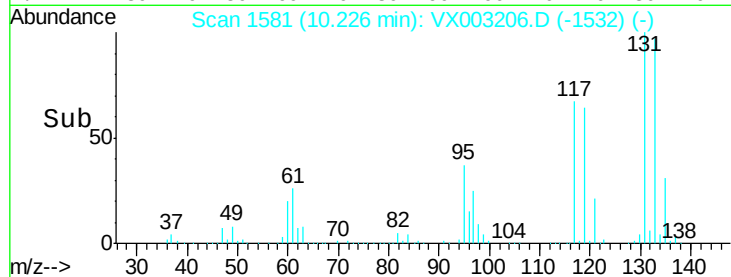
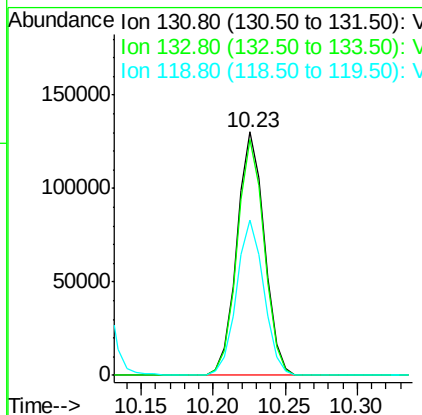
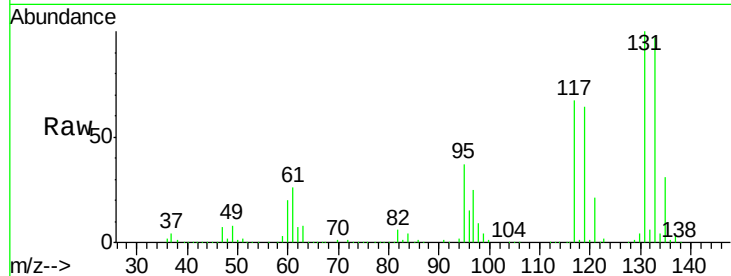
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	131	Resp:	173260
Ion Ratio	Lower	Upper	
131	100		
133	95.7	47.9	143.6
119	63.3	31.8	95.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 53.88 ug/l

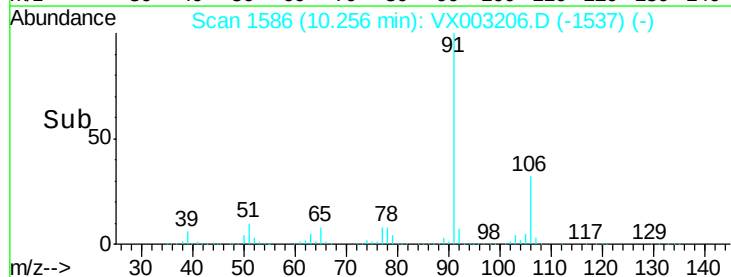
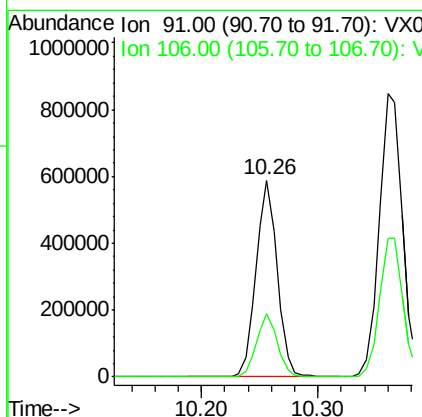
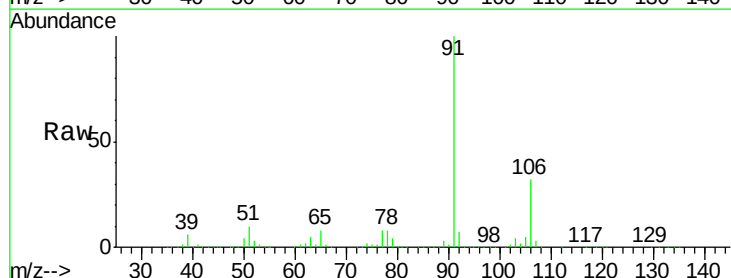
RT: 10.26 min Scan# 1586

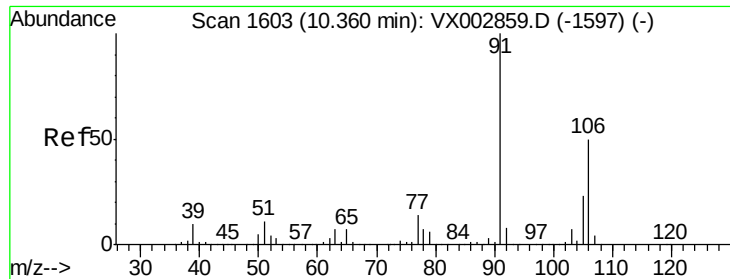
Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	91	Resp:	752114
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.5	38.3





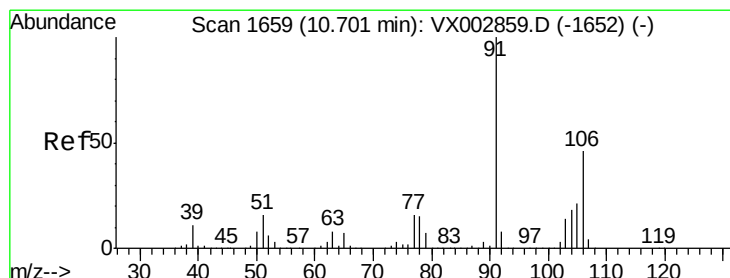
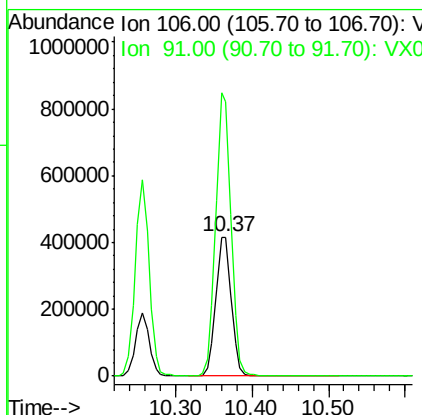
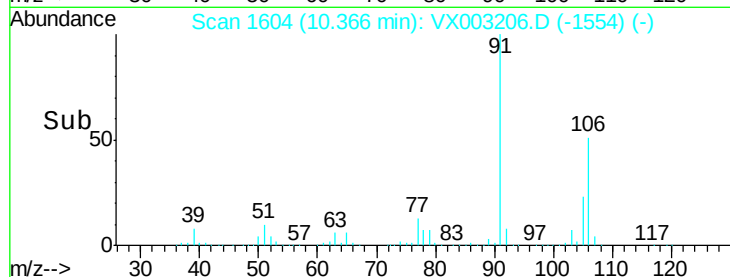
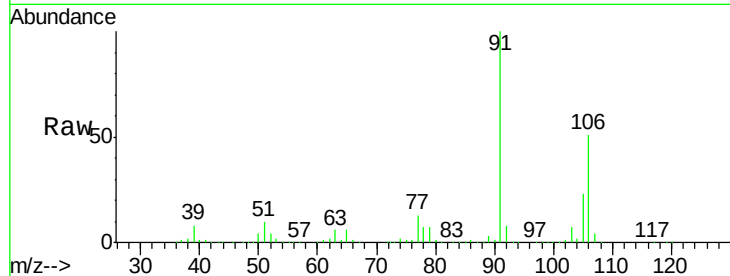
#68
m/p-Xylenes
Concen: 108.81 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion:106 Resp: 585362
Ion Ratio Lower Upper
106 100
91 201.1 163.4 245.2

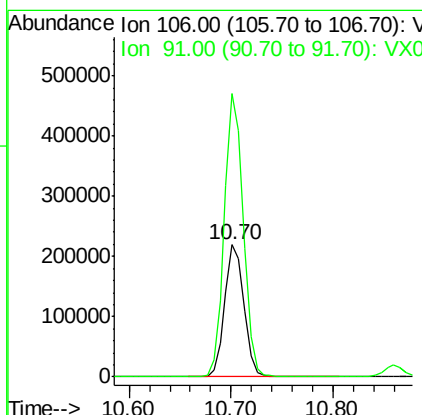
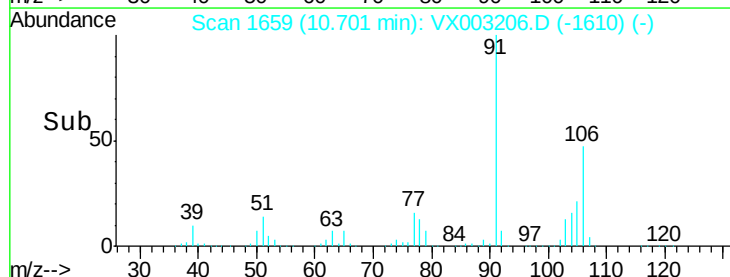
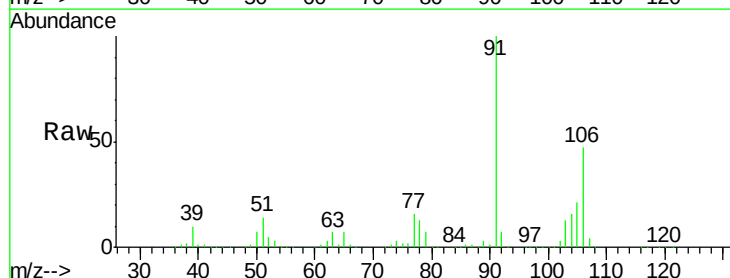
Manual Integrations
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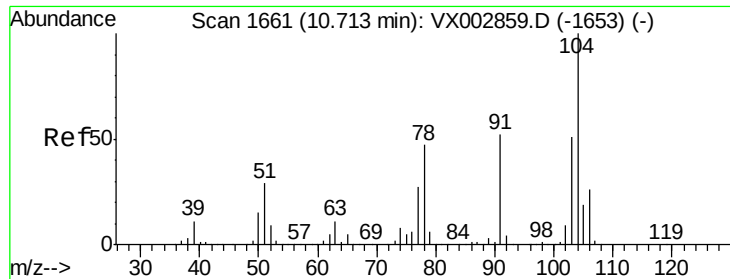
sam
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#69
o-Xylene
Concen: 54.93 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion:106 Resp: 287723
Ion Ratio Lower Upper
106 100
91 211.1 108.2 324.6





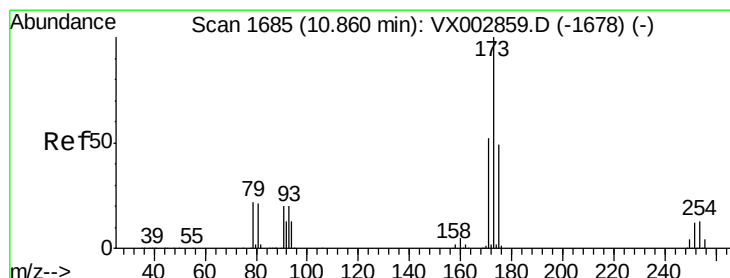
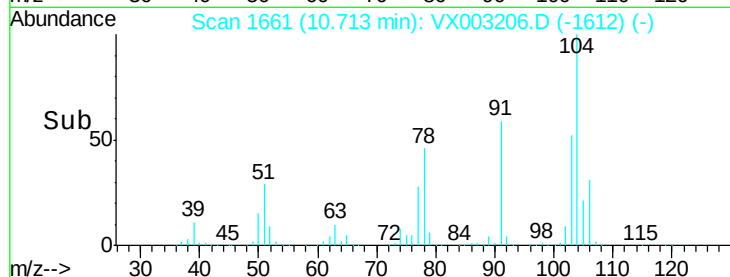
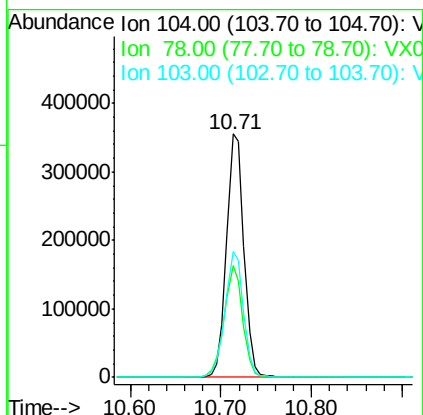
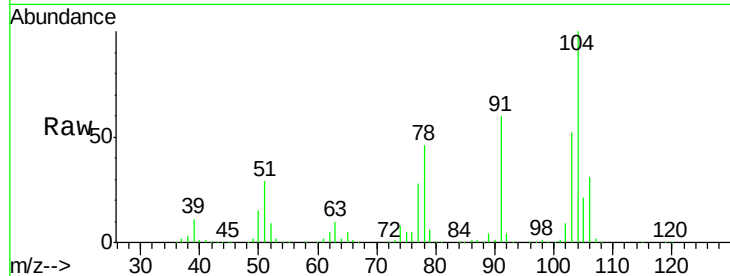
#70
Stvrene
Concen: 55.75 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	41.0	61.6
103	55.0	44.2	66.4

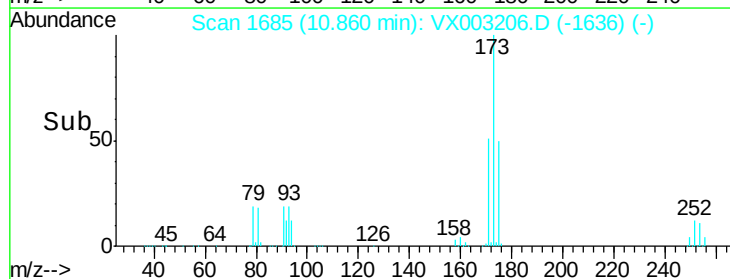
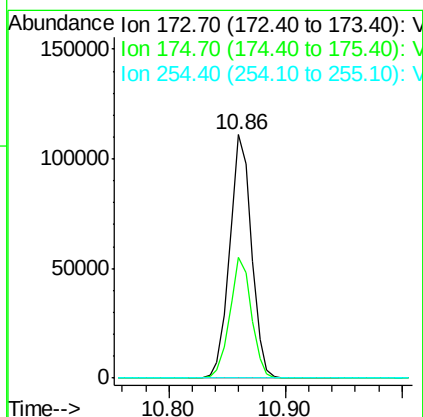
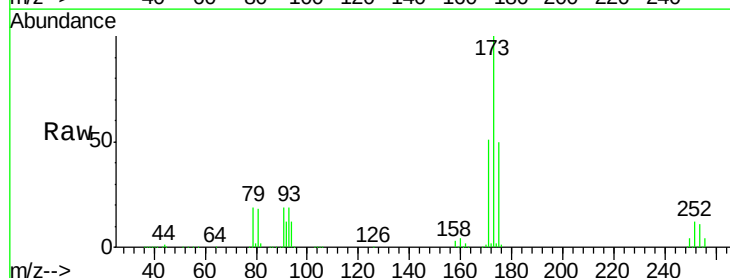
Manual Integrations
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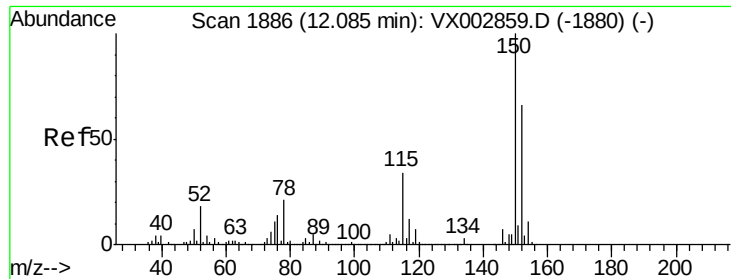
sam
7/6/2018 4:20:48 PM



#71
Bromoform
Concen: 51.96 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

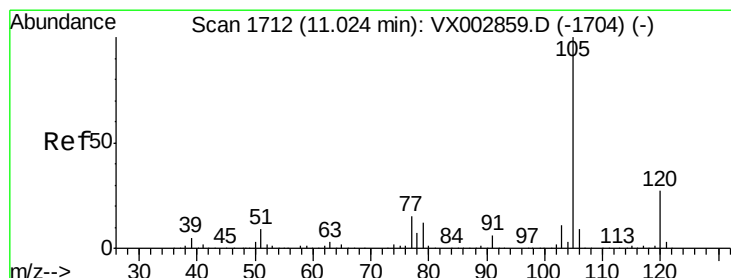
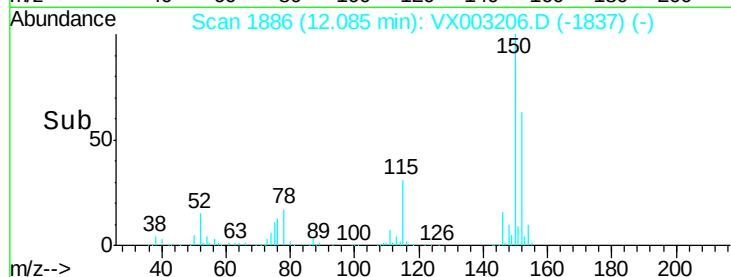
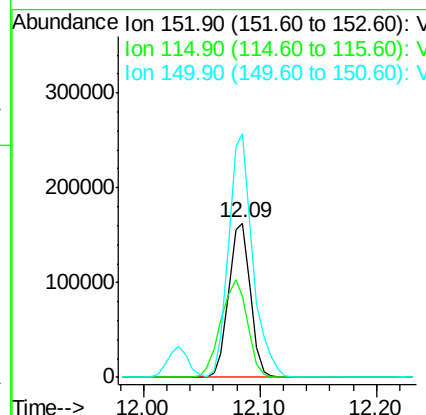
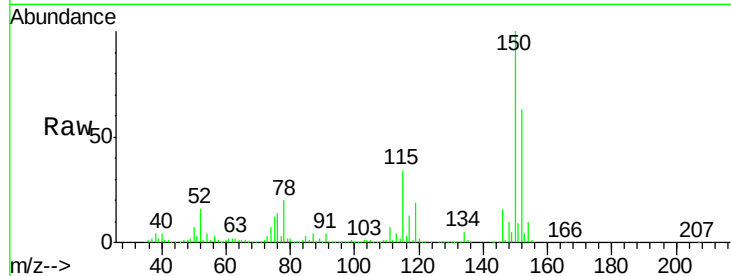
SS032MW061-180702MSD

Tot Ion:	152	Resp:	208785
Ion Ratio	Lower	Upper	
152	100		
115	77.1	40.1	120.2
150	175.5	0.0	347.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 54.56 ug/l

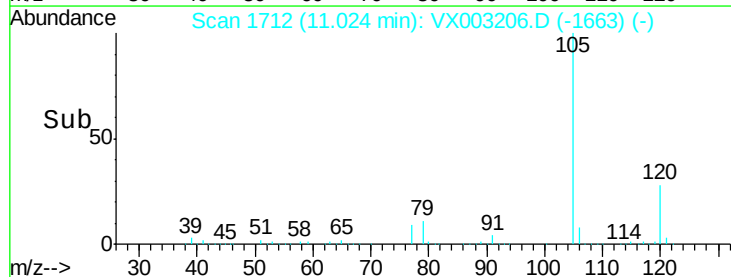
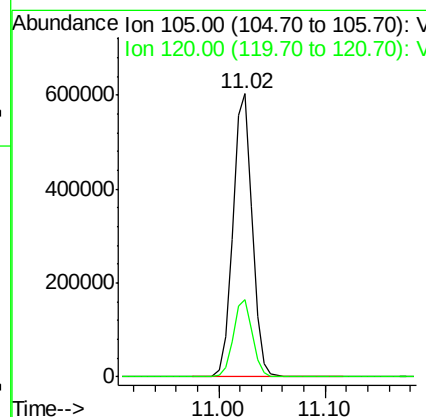
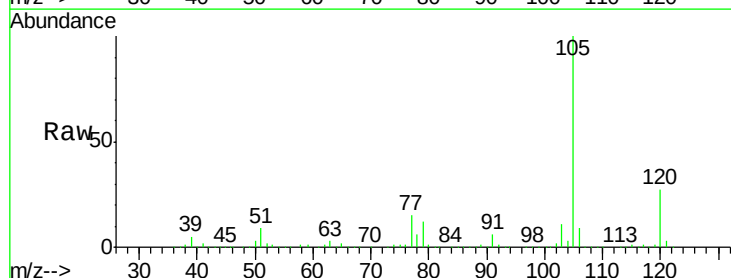
RT: 11.02 min Scan# 1712

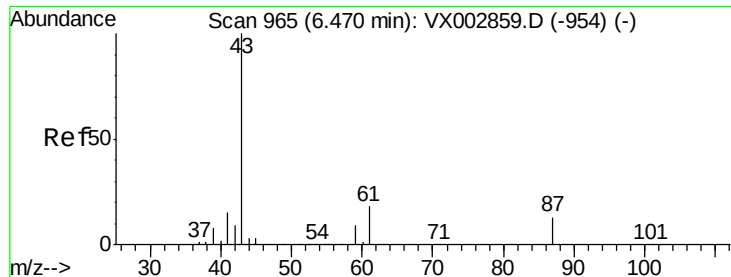
Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	105	Resp:	766282
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.4





#74

N-amvl acetate

Concen: 49.67 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

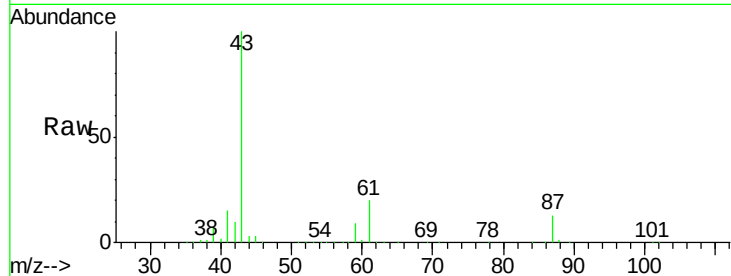
ClientSampleId :

SS032MW061-180702MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		341318		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	19.2	14.4	21.6		

Manual Integrations
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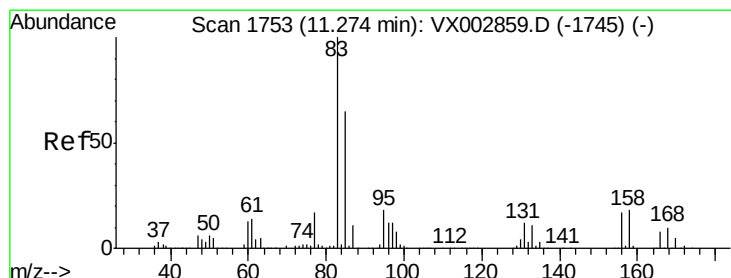
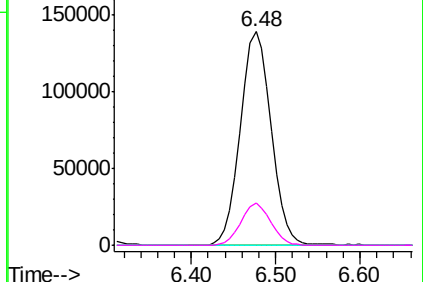
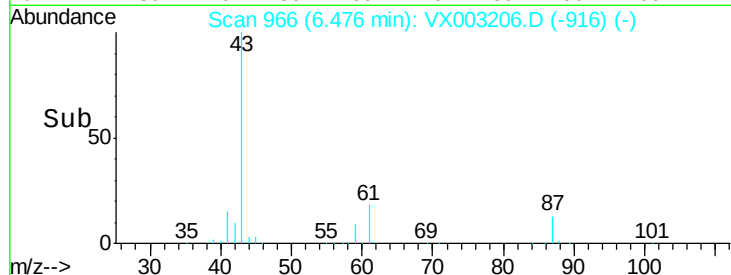


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 57.38 ug/l

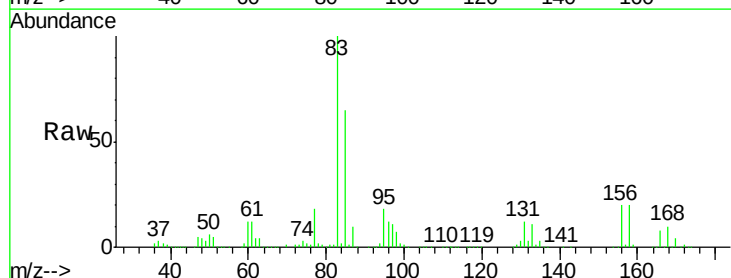
RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

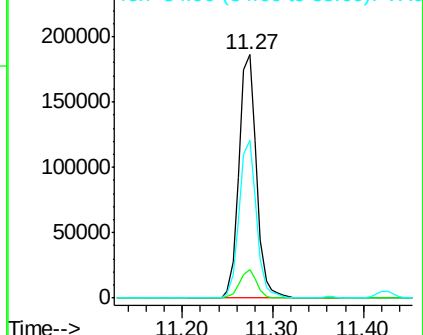
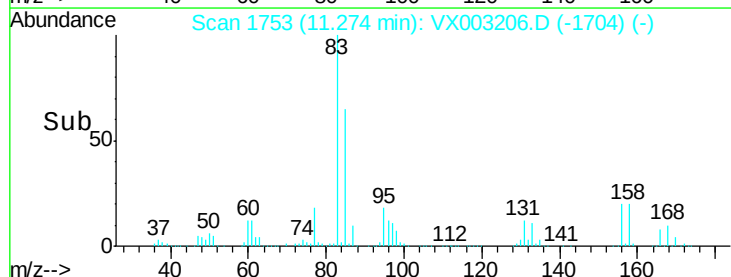
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		248278		
131	11.4	5.6	16.8		
85	64.2	32.4	97.2		

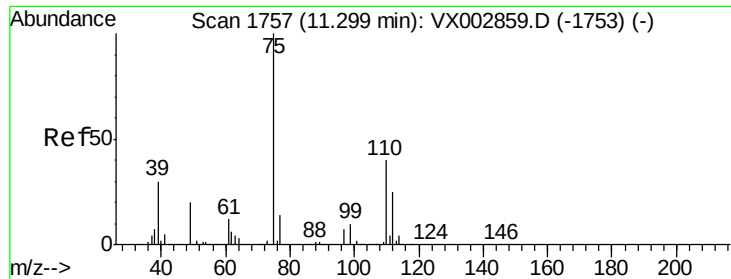


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





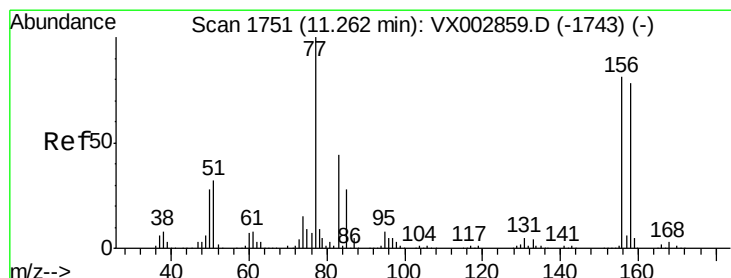
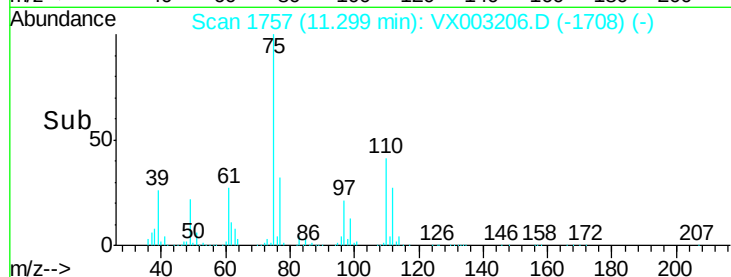
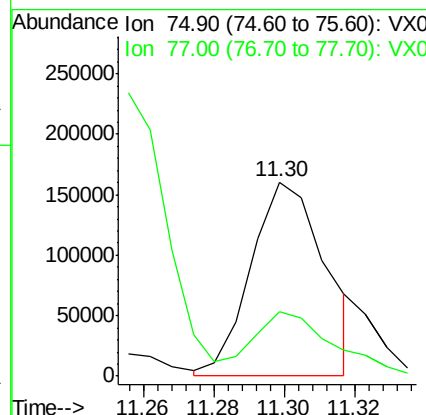
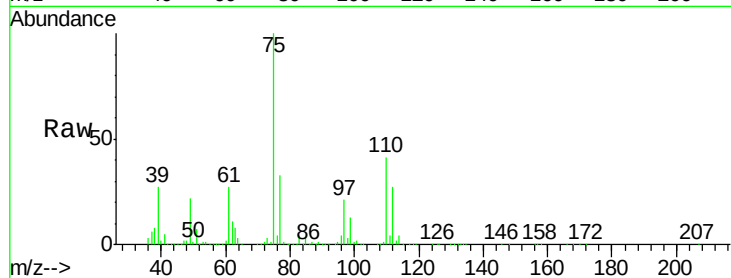
#76
 1,2,3-Trichloropropane
 Concen: 61.98 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion: 75 Resp: 234407
 Ion Ratio Lower Upper
 75 100
 77 36.3 22.8 68.3

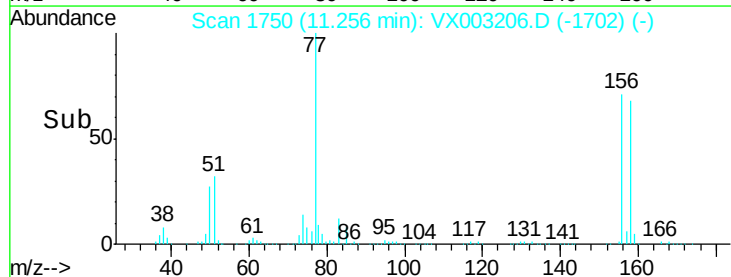
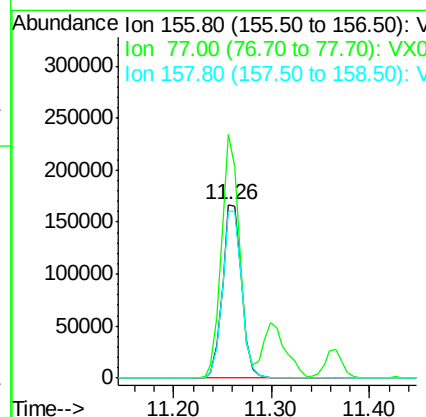
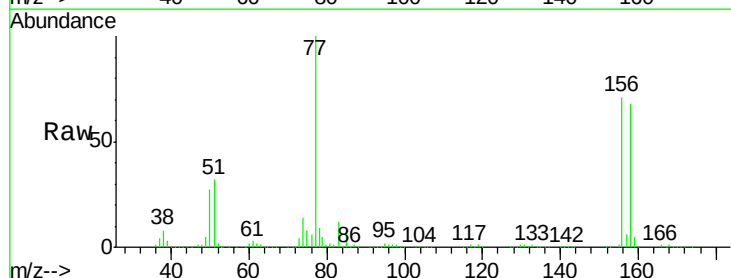
Manual Integrations
 APPROVED

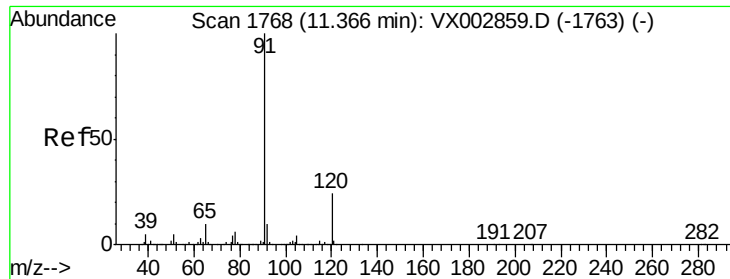
sam
 7/6/2018 4:20:48 PM



#77
 Bromobenzene
 Concen: 56.04 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion: 156 Resp: 224132
 Ion Ratio Lower Upper
 156 100
 77 133.0 71.4 214.2
 158 97.5 48.9 146.6





#78

n-propylbenzene

Concen: 52.99 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-180702MSD

Tot Ion: 91 Resp: 847169

Ion Ratio Lower Upper

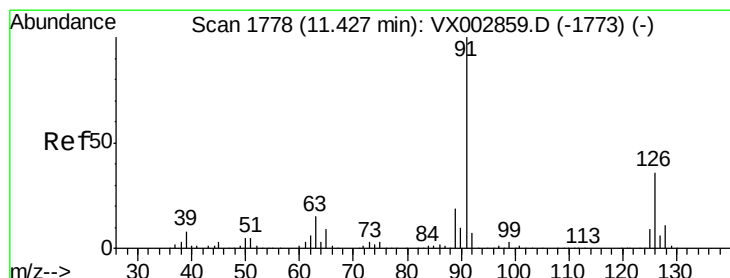
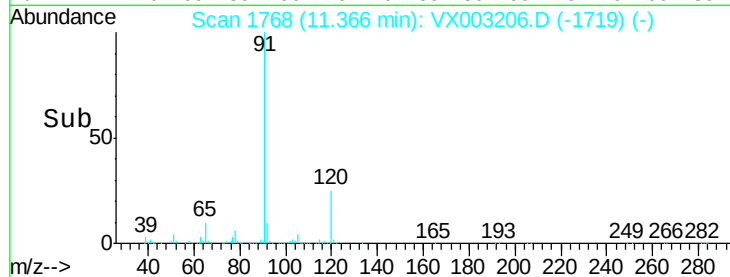
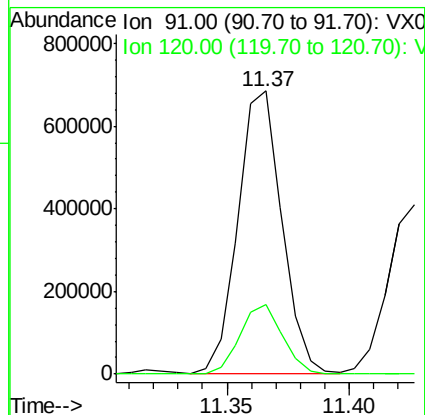
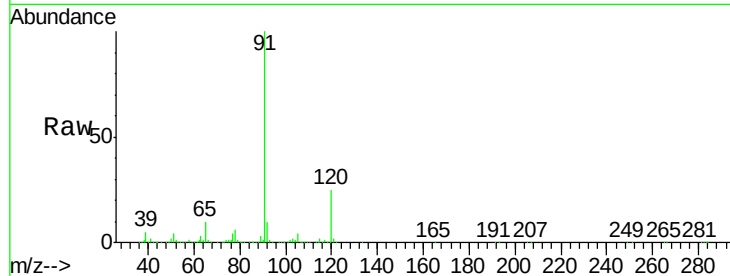
91 100

120 24.4 11.8 35.4

Manual Integrations
APPROVED

sam

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#79

2-Chlorotoluene

Concen: 53.60 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003206.D

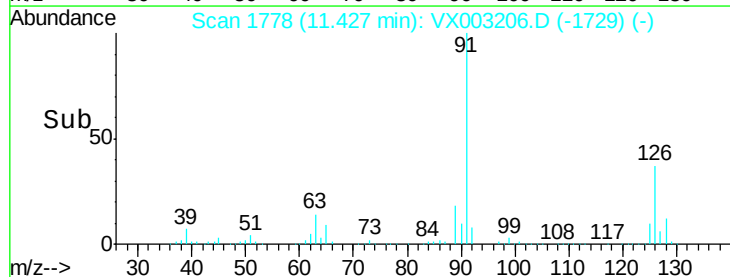
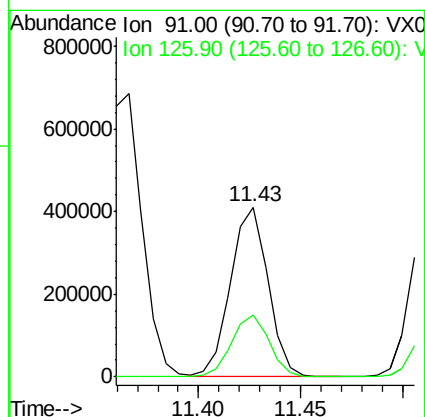
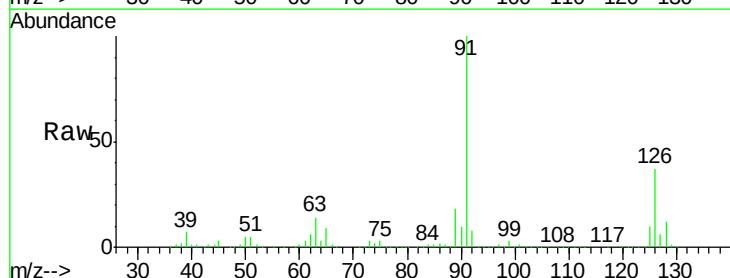
Acq: 06 Jul 2018 07:15

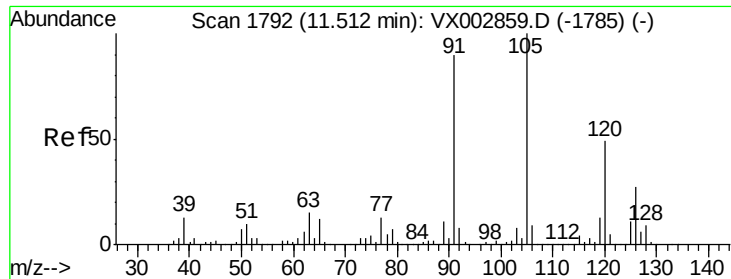
Tgt Ion: 91 Resp: 518822

Ion Ratio Lower Upper

91 100

126 36.8 17.7 53.1





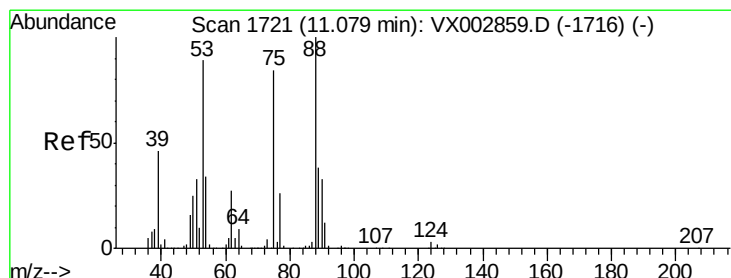
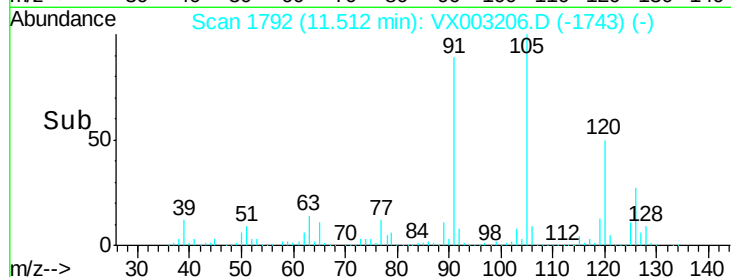
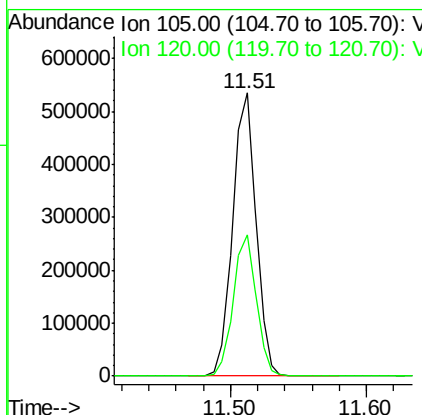
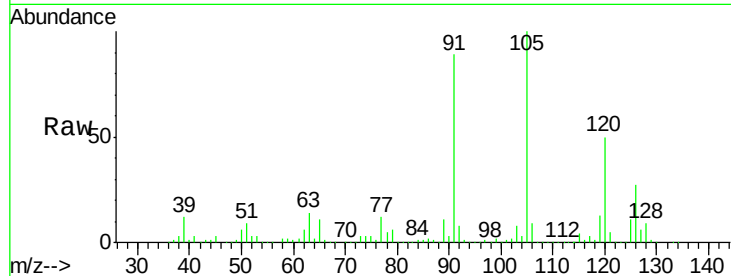
#80
 1,3,5-Trimethylbenzene
 Concen: 53.98 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion:105 Resp: 638561
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.4

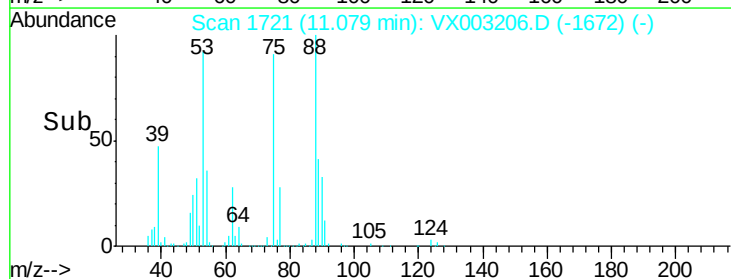
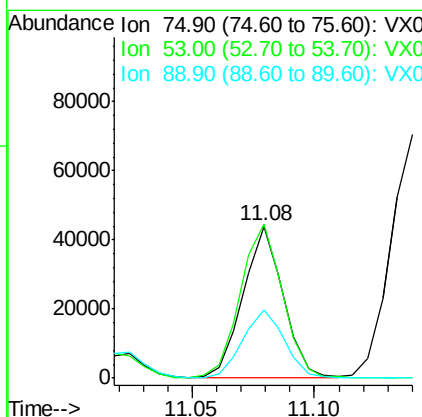
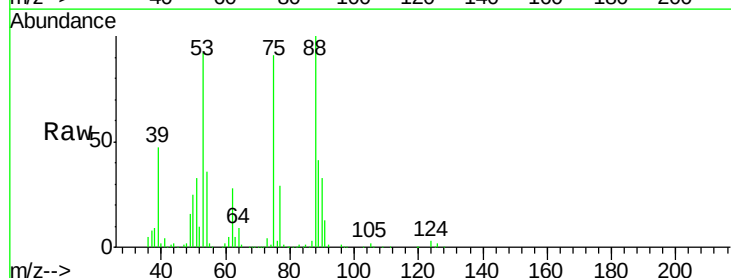
Manual Integrations
 APPROVED

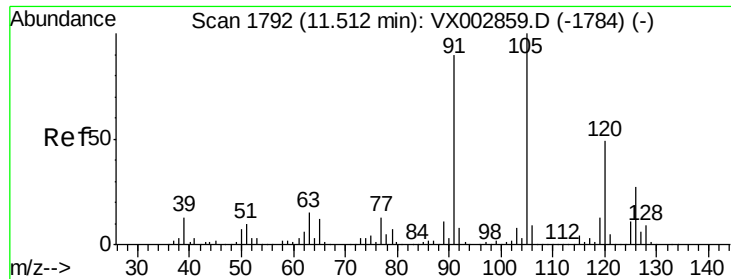
sam
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.86 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion: 75 Resp: 49609
 Ion Ratio Lower Upper
 75 100
 53 106.8 86.8 130.2
 89 47.0 38.2 57.2





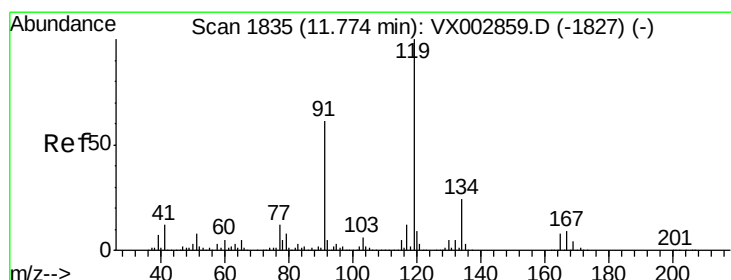
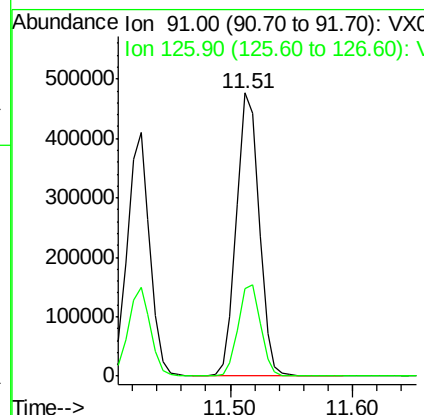
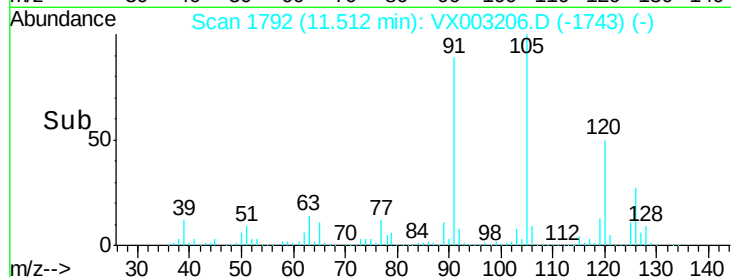
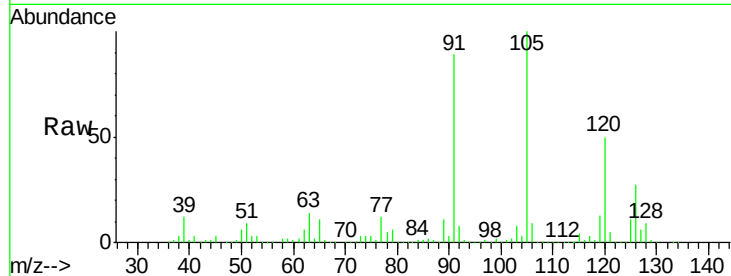
#82
4-Chlorotoluene
Concen: 53.05 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion: 91 Resp: 607922
Ion Ratio Lower Upper
91 100
126 32.0 15.4 46.4

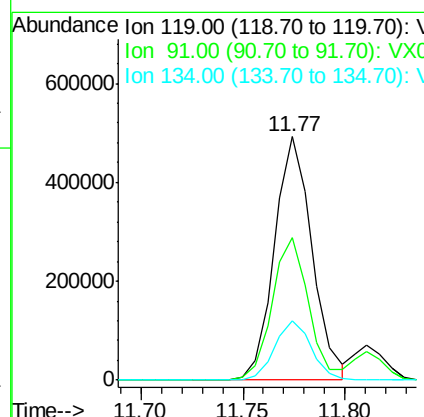
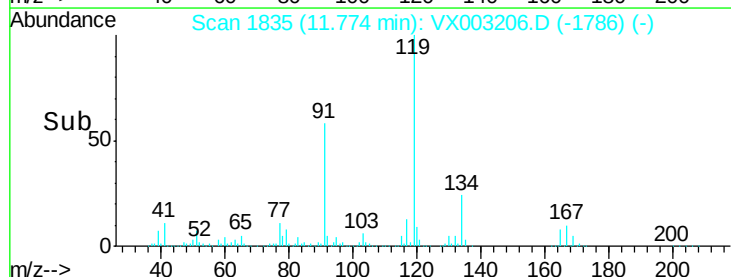
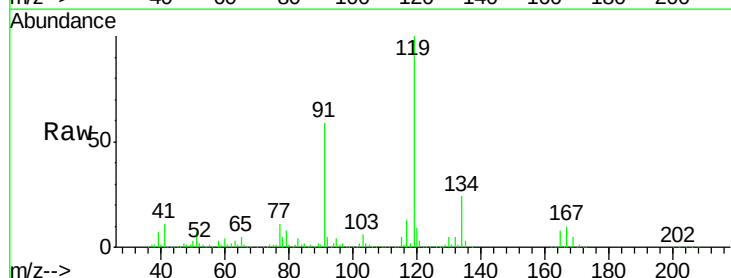
Manual Integrations
APPROVED

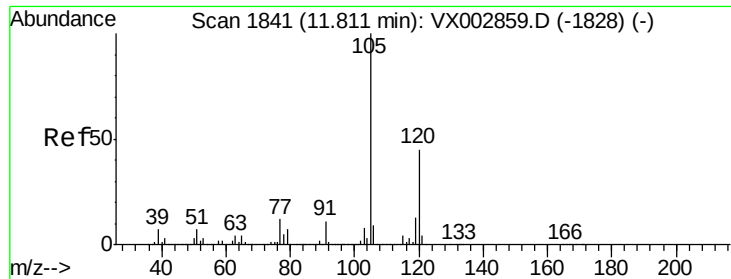
sam
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#83
tert-Butylbenzene
Concen: 54.26 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion: 119 Resp: 632654
Ion Ratio Lower Upper
119 100
91 56.8 30.3 90.9
134 23.8 11.7 35.1





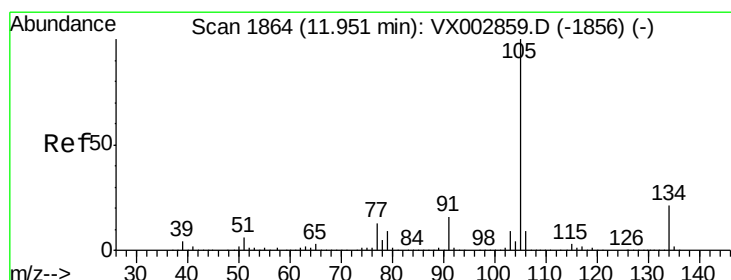
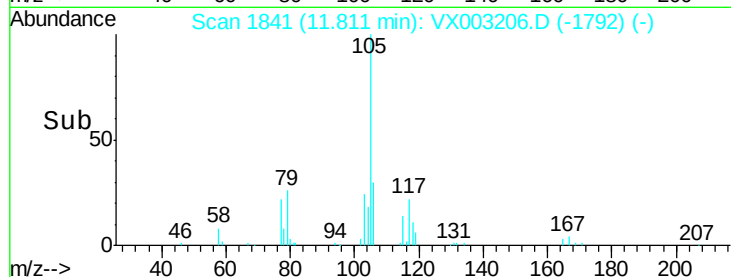
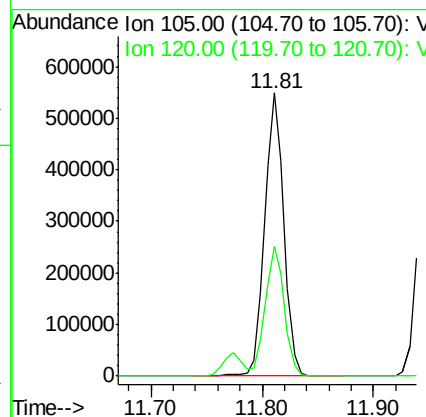
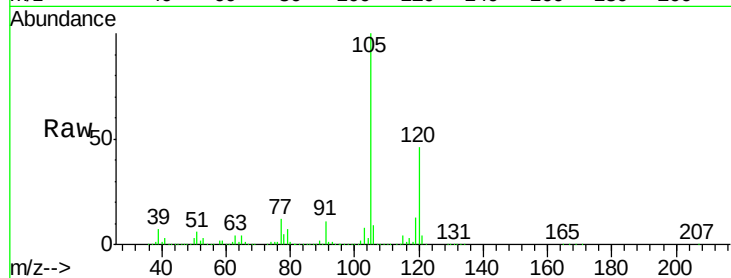
#84
1,2,4-Trimethylbenzene
Concen: 53.81 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion:105 Resp: 659498
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8

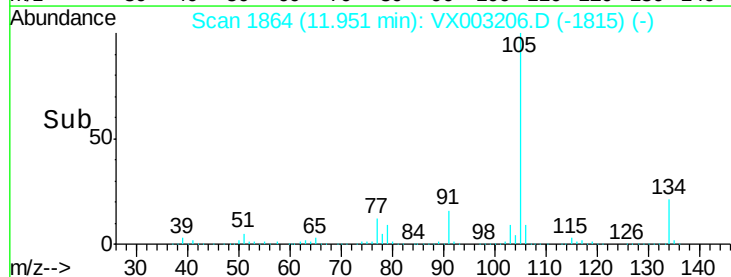
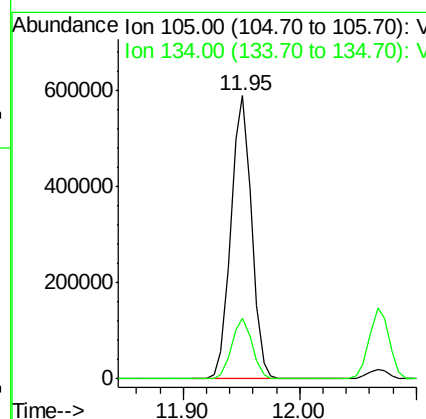
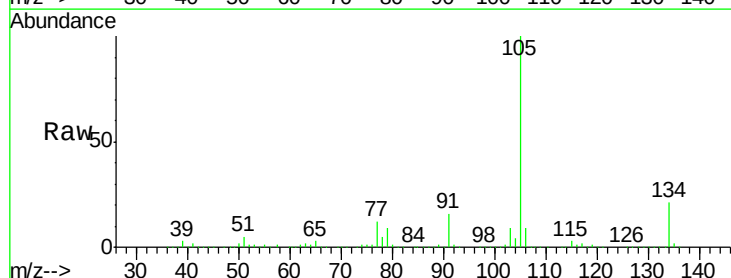
Manual Integrations
APPROVED

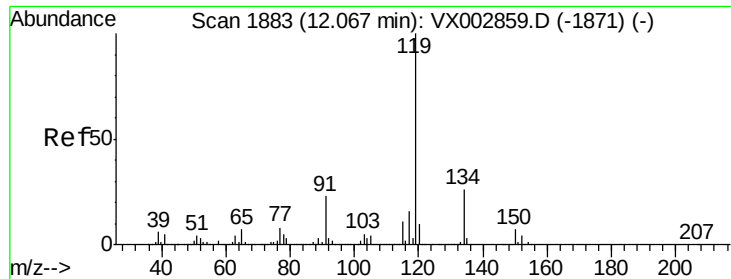
sam
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#85
sec-Butylbenzene
Concen: 51.01 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion:105 Resp: 721510
Ion Ratio Lower Upper
105 100
134 21.3 10.4 31.1





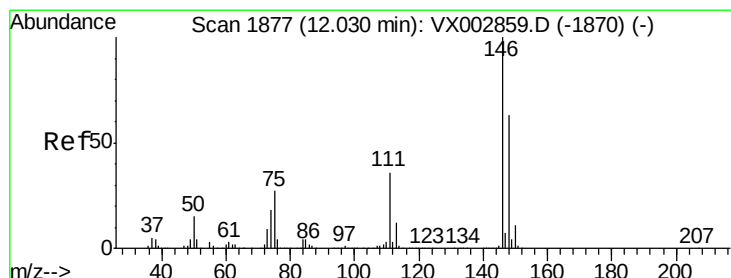
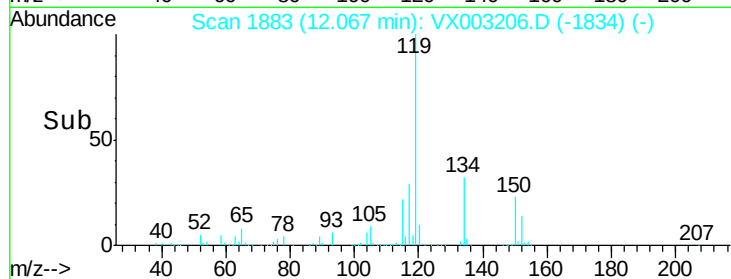
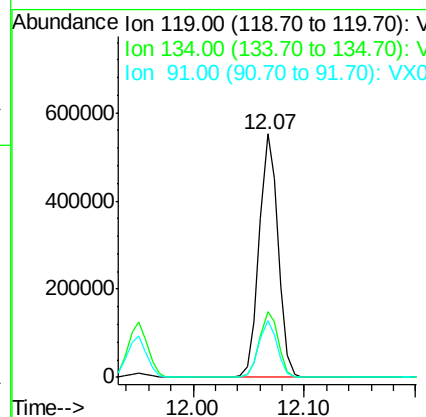
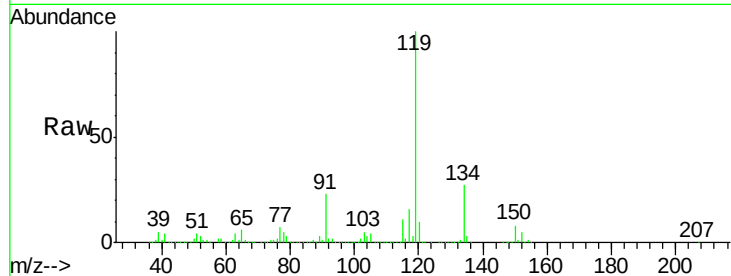
#86
 p-Isopropyltoluene
 Concen: 51.43 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	653917		
134	26.9		13.4	40.1
91	22.9		11.9	35.7

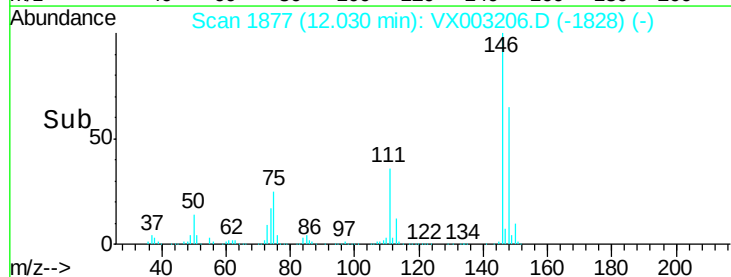
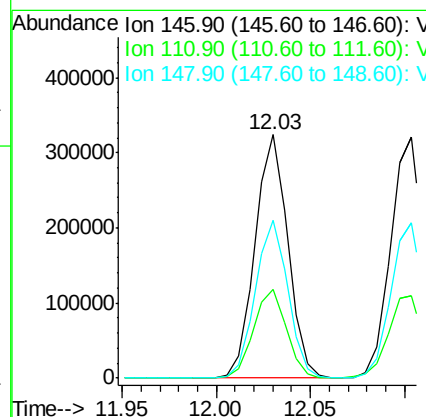
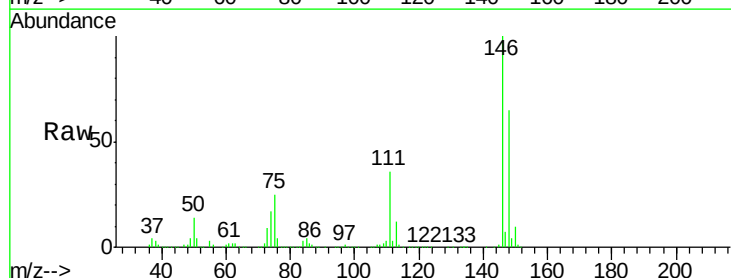
Manual Integrations
 APPROVED

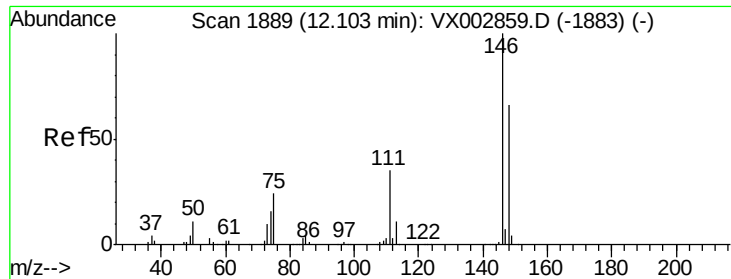
sam
 7/6/2018 4:20:48 PM



#87
 1,3-Dichlorobenzene
 Concen: 53.60 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	391538		
111	36.7		18.9	56.7
148	64.4		32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 52.85 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

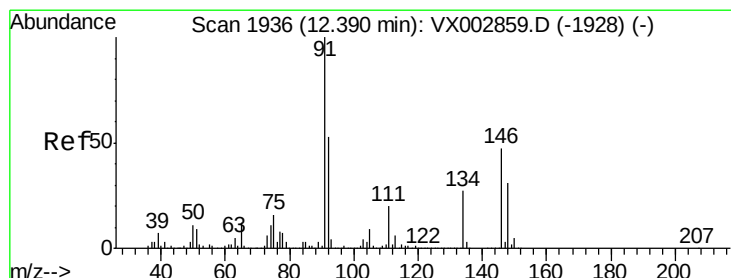
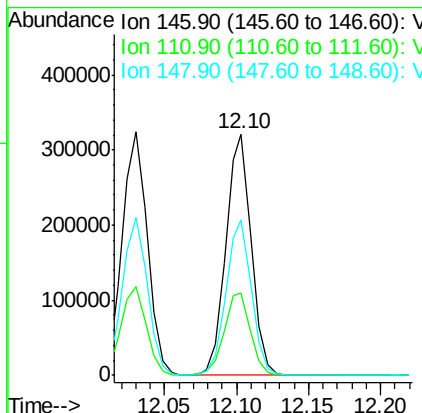
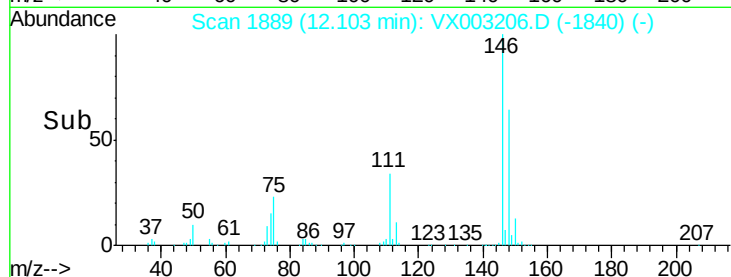
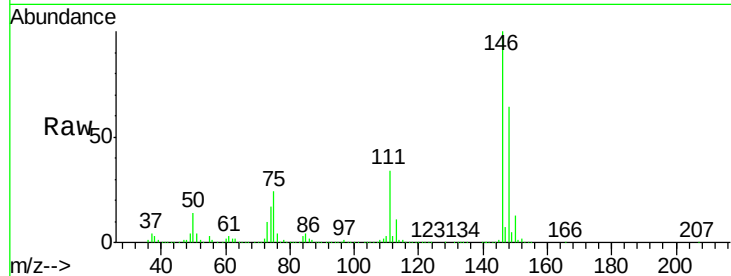
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	146	Resp:	397335
Ion Ratio	Lower	Upper	
146	100		
111	35.7	18.7	56.1
148	64.8	32.4	97.0

Manual Integrations
APPROVED

sam
7/6/2018 4:20:48 PM



#89

n-Butylbenzene

Concen: 46.97 ug/l

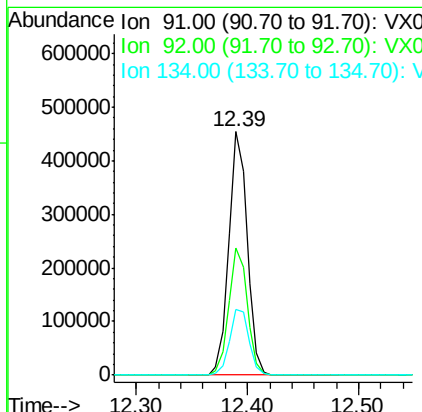
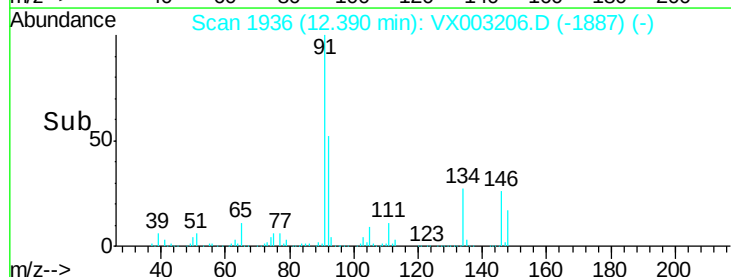
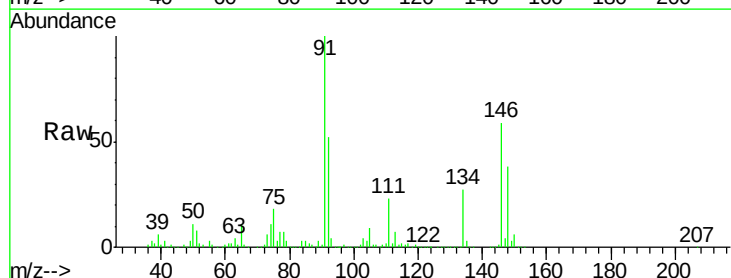
RT: 12.39 min Scan# 1936

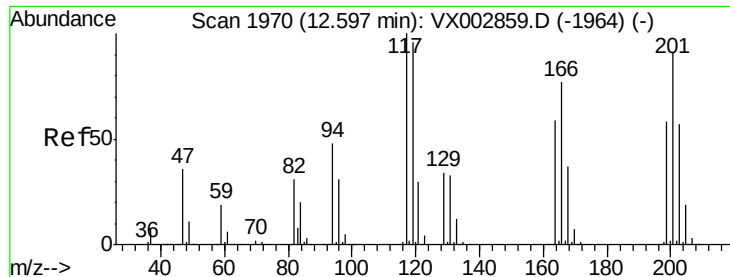
Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	91	Resp:	519846
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.0	78.0
134	28.2	13.5	40.5





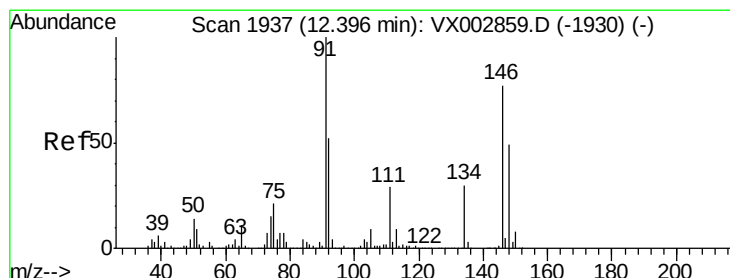
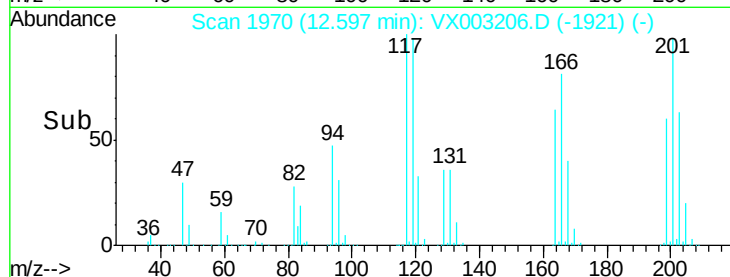
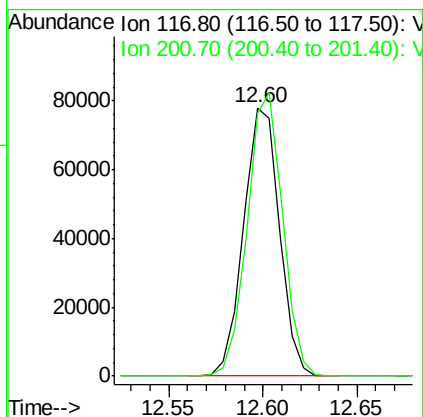
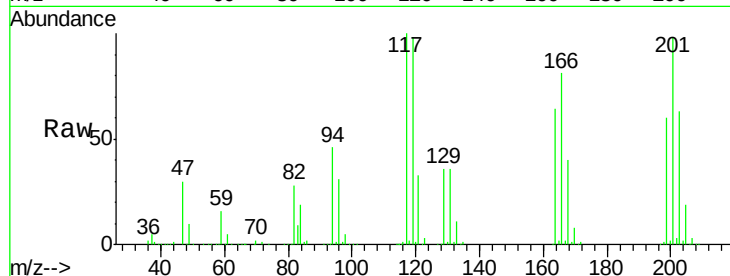
#90
Hexachloroethane
Concen: 54.52 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-180702MSD

Tot Ion:117 Resp: 103114
Ion Ratio Lower Upper
117 100
201 103.6 49.0 147.0

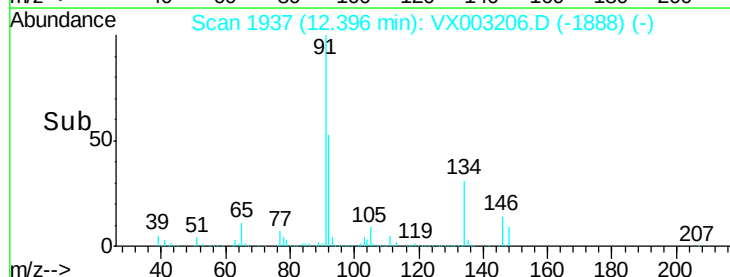
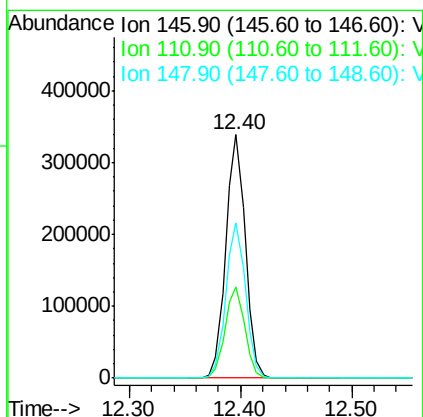
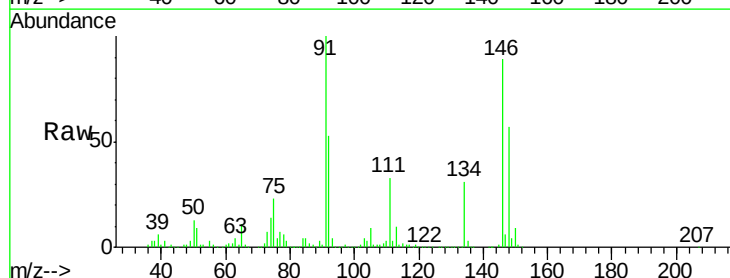
Manual Integrations
APPROVED

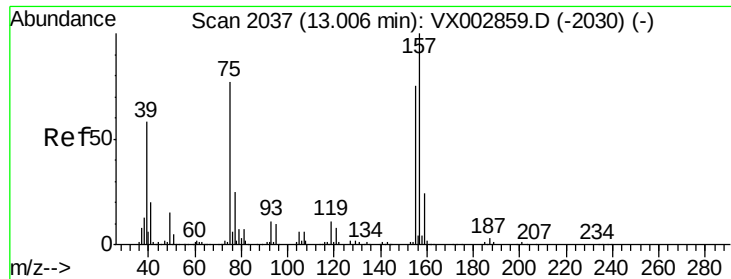
sam
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#91
1,2-Dichlorobenzene
Concen: 55.76 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003206.D
Acq: 06 Jul 2018 07:15

Tgt Ion:146 Resp: 411141
Ion Ratio Lower Upper
146 100
111 37.7 19.4 58.1
148 64.4 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.47 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

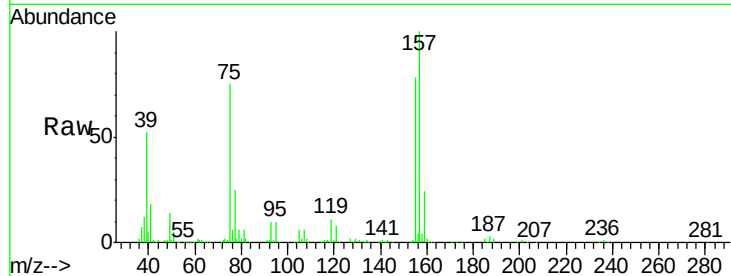
ClientSampleId :

SS032MW061-180702MSD

Tot Ion:	75	Resp:	54929
Ion Ratio	Lower	Upper	
75	100		
155	101.1	45.8	137.4
157	130.1	60.1	180.3

Manual Integrations
APPROVED

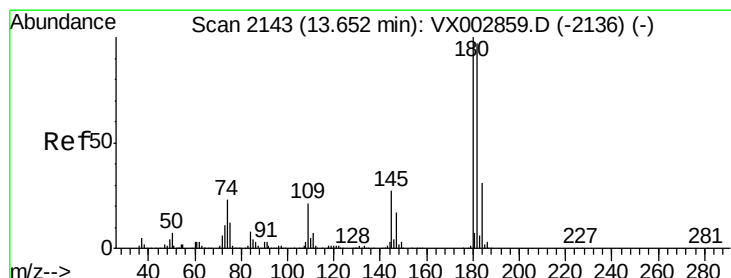
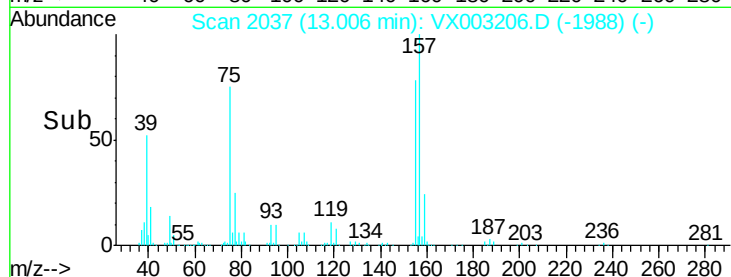
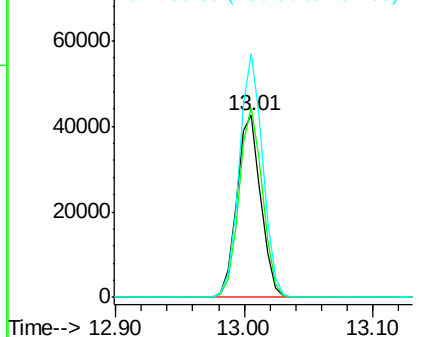
sam
7/6/2018 4:20:48 PM



Abundance Ion 74.90 (74.60 to 75.60): VX

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 51.96 ug/l

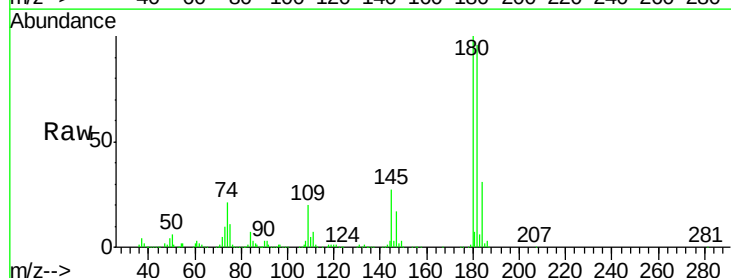
RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

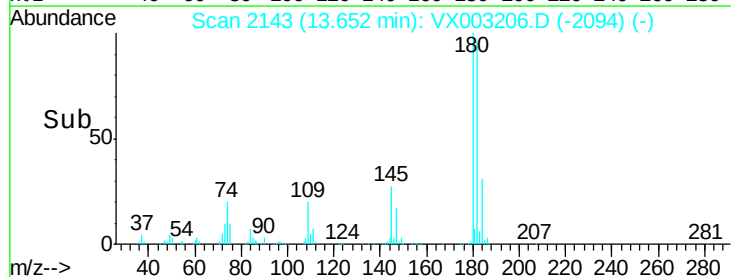
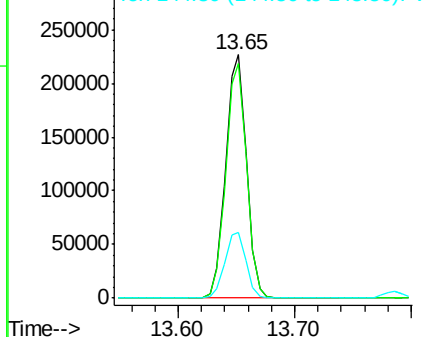
Tgt Ion:	180	Resp:	278830
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.7	143.1
145	27.7	14.1	42.4

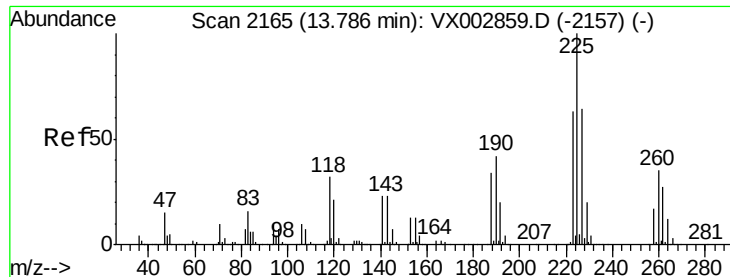


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 40.04 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Instrument :

MSVOA_X

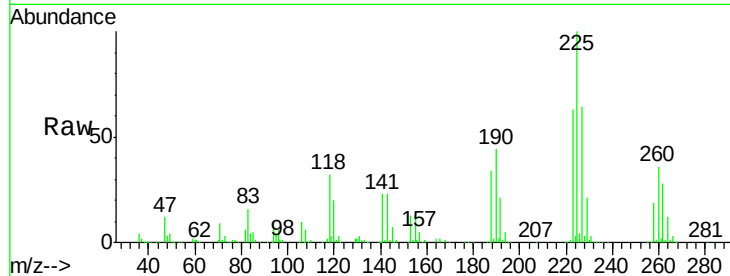
ClientSampleId :

SS032MW061-180702MSD

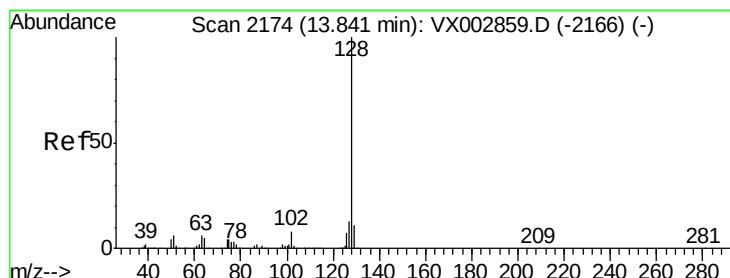
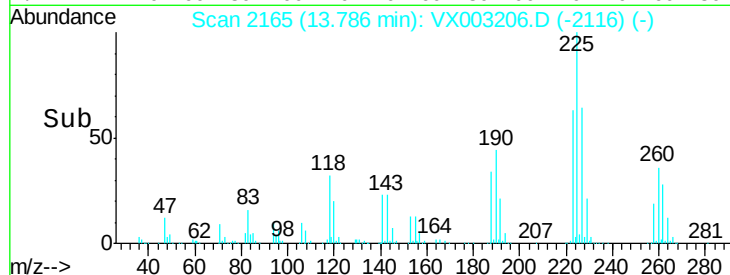
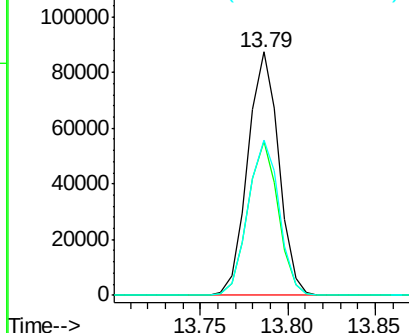
Tot Ion:	225	Resp:	107156
Ion Ratio		Lower	Upper
225	100		
223	62.3	31.6	95.0
227	64.5	32.4	97.2

Manual Integrations
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sam
7/6/2018 4:20:48 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 59.52 ug/l

RT: 13.83 min Scan# 2173

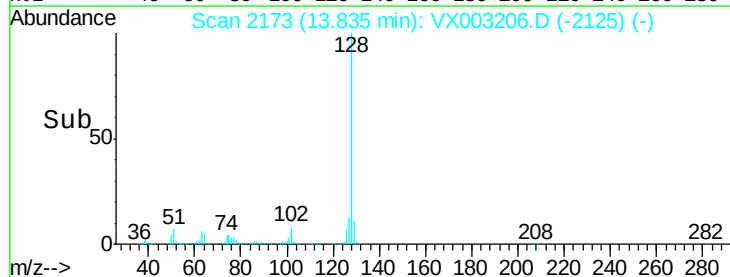
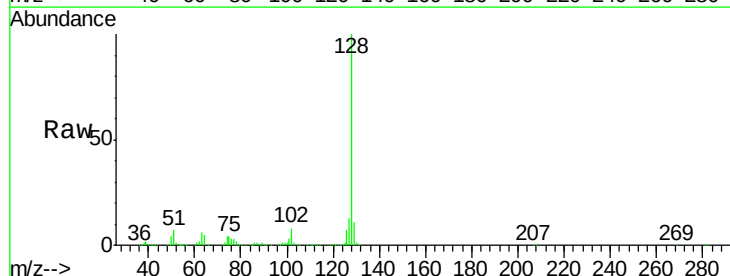
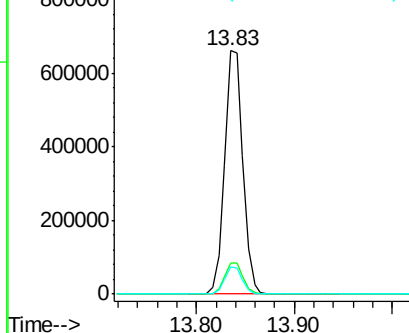
Delta R.T. -0.01 min

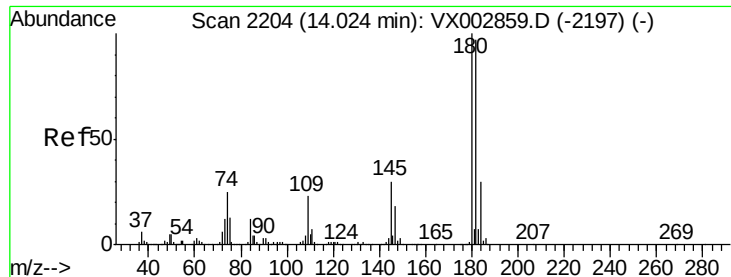
Lab File: VX003206.D

Acq: 06 Jul 2018 07:15

Tgt Ion:	128	Resp:	850642
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





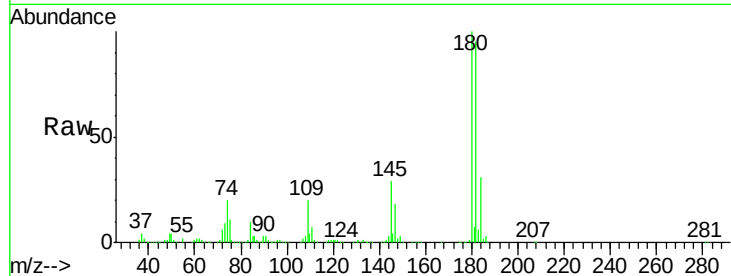
#96
 1,2,3-Trichlorobenzene
 Concen: 56.91 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003206.D
 Acq: 06 Jul 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	305038		
182	95.6	48.0	144.0	
145	29.2	14.8	44.3	

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

