

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
 Data File : VX003143.D
 Acq On : 03 Jul 2018 12:31
 Operator : JC/MD
 Sample : VX0703WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Manual Integrations
 APPROVED

sam
 7/5/2018 2:28:41 PM

Quant Time: Jul 04 03:46:40 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	267680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	170092	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
35) Dibromofluoromethane	5.51	113	141591	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	8.72	98	504732	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.14	95	190118	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	52072	21.618	ug/l 98
3) Chloromethane	1.32	50	53018	20.666	ug/l 100
4) Vinyl Chloride	1.40	62	59937	19.799	ug/l 96
5) Bromomethane	1.64	94	24981	15.819	ug/l 96
6) Chloroethane	1.72	64	39870	21.229	ug/l 98
7) Trichlorofluoromethane	1.93	101	95921	18.785	ug/l 99
8) Diethyl Ether	2.19	74	35126	18.922	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	56780	19.190	ug/l 97
10) Methyl Iodide	2.51	142	39372	17.713	ug/l 98
11) Tert butyl alcohol	3.08	59	67608	91.728	ug/l 99
12) 1,1-Dichloroethene	2.37	96	50252	19.036	ug/l 93
13) Acrolein	2.29	56	21334	55.556	ug/l 98
14) Allyl chloride	2.73	41	97262	18.690	ug/l 96
15) Acrylonitrile	3.15	53	153131	97.270	ug/l 100
16) Acetone	2.45	43	136365	88.998	ug/l 96
17) Carbon Disulfide	2.57	76	134964	19.188	ug/l 99
18) Methyl Acetate	2.78	43	72574	16.941	ug/l 98
19) Methyl tert-butyl Ether	3.21	73	175167	18.457	ug/l 100
20) Methylene Chloride	2.85	84	56924	19.091	ug/l 93
21) trans-1,2-Dichloroethene	3.16	96	55227	19.207	ug/l 93
22) Diisopropyl ether	3.88	45	184220	18.520	ug/l 97
23) Vinyl Acetate	3.83	43	811826	96.382	ug/l 99
24) 1,1-Dichloroethane	3.70	63	100199	18.533	ug/l 99
25) 2-Butanone	4.71	43	222388	97.797	ug/l 97
26) 2,2-Dichloropropane	4.59	77	80397	18.287	ug/l 98
27) cis-1,2-Dichloroethene	4.60	96	63019	19.548	ug/l 98
28) Bromochloromethane	5.02	49	46791	18.081	ug/l 92
29) Tetrahydrofuran	5.17	42	144334	98.978	ug/l 97
30) Chloroform	5.22	83	107657	19.403	ug/l 97
31) Cyclohexane	5.57	56	91439	19.707	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	93997	19.255	ug/l 99
36) 1,1-Dichloropropene	5.80	75	78012	20.128	ug/l 97
37) Ethyl Acetate	4.87	43	87431	20.951	ug/l 99
38) Carbon Tetrachloride	5.78	117	84978	19.979	ug/l 97

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Manual Integrations
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Quant Time: Jul 04 03:46:40 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)
39) Methylcyclohexane	7.46	83	91396	20.245	ug/l	95
40) Benzene	6.15	78	231368	20.545	ug/l	97
41) Methacrylonitrile	5.07	41	49256	20.497	ug/l	97
42) 1,2-Dichloroethane	6.20	62	87348	19.201	ug/l	99
43) Isopropyl Acetate	6.47	43	137299	19.617	ug/l	97
44) Trichloroethene	7.22	130	68803	20.492	ug/l	96
45) 1,2-Dichloropropane	7.52	63	60328	20.195	ug/l	98
46) Dibromomethane	7.66	93	41442	19.990	ug/l	96
47) Bromodichloromethane	7.90	83	76038	19.840	ug/l	96
48) Methyl methacrylate	7.78	41	69290	19.214	ug/l	95
49) 1,4-Dioxane	7.76	88	28169	401.490	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	440215	100.532	ug/l	97
52) Toluene	8.79	92	147934	20.506	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	88184	20.317	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	80275	19.221	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	61239	20.657	ug/l	99
56) Ethyl methacrylate	9.19	69	87221	20.131	ug/l	93
57) 1,3-Dichloropropane	9.38	76	97284	19.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	210424	100.671	ug/l	97
59) 2-Hexanone	9.50	43	336880	101.227	ug/l	97
60) Dibromochloromethane	9.59	129	62960	20.175	ug/l	100
61) 1,2-Dibromoethane	9.68	107	63957	20.568	ug/l	100
64) Tetrachloroethene	9.34	164	77944	21.253	ug/l	97
65) Chlorobenzene	10.14	112	170269	20.325	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	62751	20.620	ug/l	100
67) Ethyl Benzene	10.26	91	282631	20.423	ug/l	99
68) m/p-Xylenes	10.36	106	220626	41.366	ug/l	99
69) o-Xylene	10.70	106	105717	20.357	ug/l	98
70) Styrene	10.71	104	176383	20.902	ug/l	99
71) Bromoform	10.86	173	48475	20.157	ug/l #	99
73) Isopropylbenzene	11.02	105	290981	20.766	ug/l	99
74) N-amyl acetate	6.47	43	137299	20.026	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89083	20.638	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	76218m	20.201	ug/l	
77) Bromobenzene	11.26	156	81076	20.318	ug/l	96
78) n-propylbenzene	11.37	91	328746	20.611	ug/l	99
79) 2-Chlorotoluene	11.43	91	195862	20.283	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	241787	20.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	21418	18.725	ug/l	93
82) 4-Chlorotoluene	11.51	91	230014	20.120	ug/l	98
83) tert-Butylbenzene	11.77	119	236436	20.328	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	249899	20.436	ug/l	97
85) sec-Butylbenzene	11.95	105	284818	20.185	ug/l	99
86) p-Isopropyltoluene	12.07	119	258160	20.350	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	148969	20.440	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	149679	19.957	ug/l	100
89) n-Butylbenzene	12.39	91	212797	19.272	ug/l	99
90) Hexachloroethane	12.60	117	38026	20.153	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	146907	19.971	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19439	20.033	ug/l	96

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ClientSampleId :
VX0703WBS01

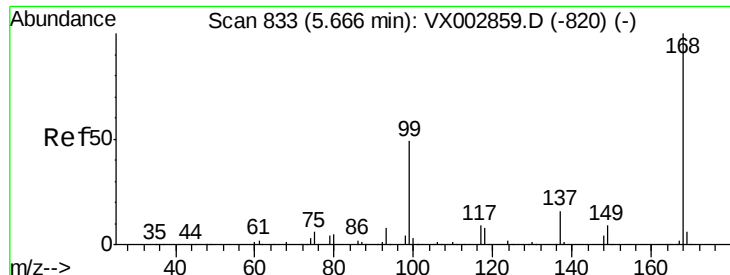
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105838	19.770	ug/l	99
94) Hexachlorobutadiene	13.79	225	51950	19.456	ug/l	100
95) Naphthalene	13.84	128	291501	20.444	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110461	20.658	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion:168 Resp: 267680

Ion Ratio Lower Upper

168 100

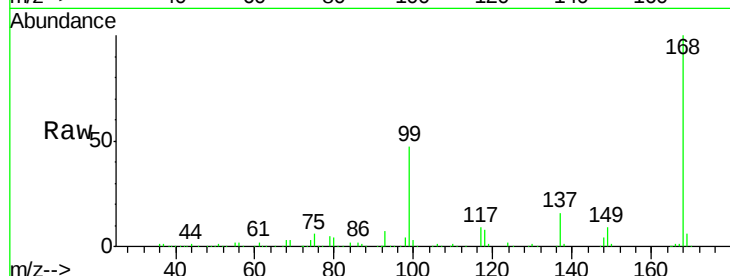
99 46.7 39.3 58.9

Manual Integrations

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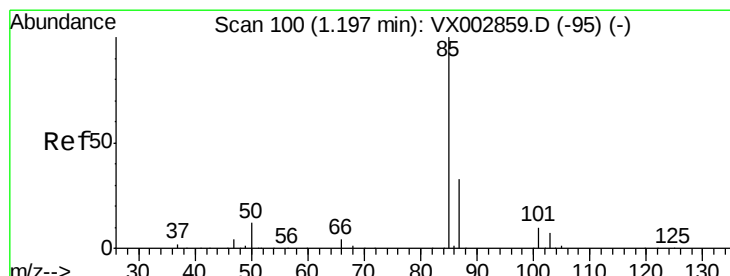
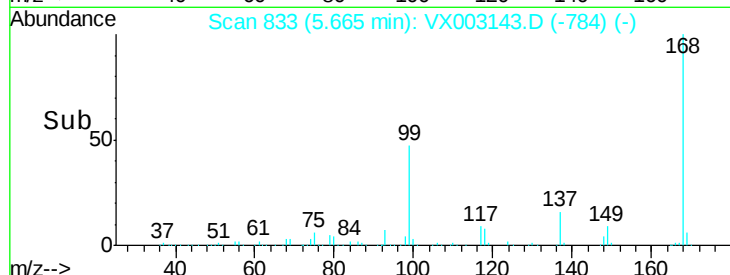
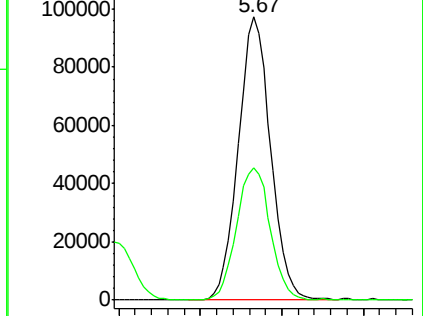
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.618 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003143.D

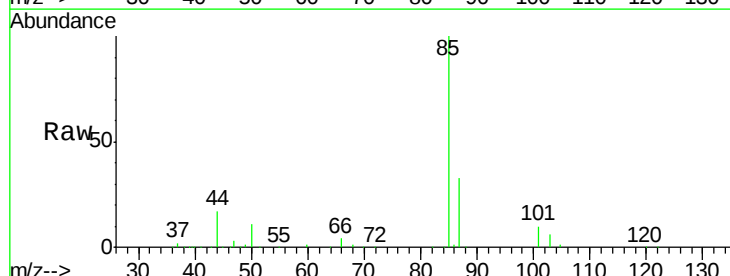
Acq: 03 Jul 2018 12:31

Tgt Ion: 85 Resp: 52072

Ion Ratio Lower Upper

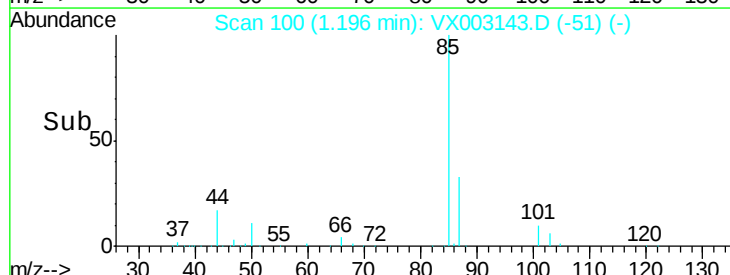
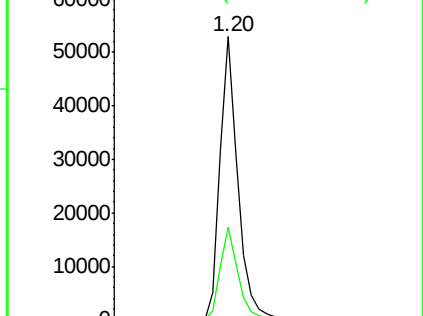
85 100

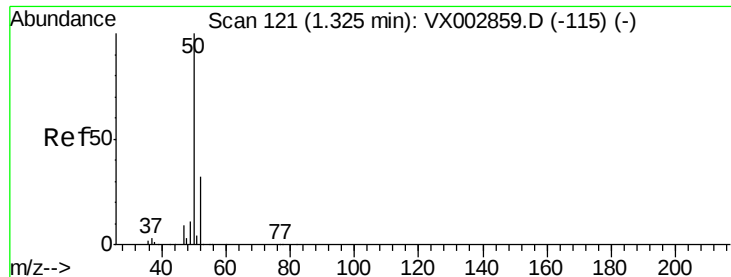
87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.666 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 50 Resp: 53018

Ion Ratio Lower Upper

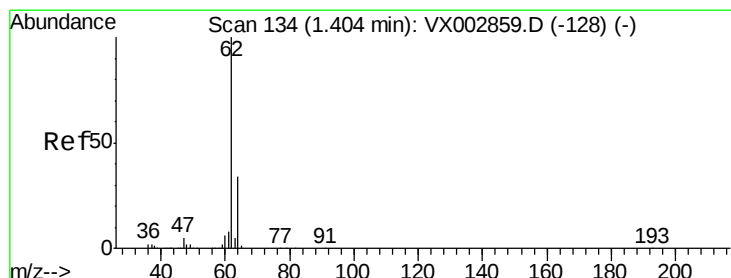
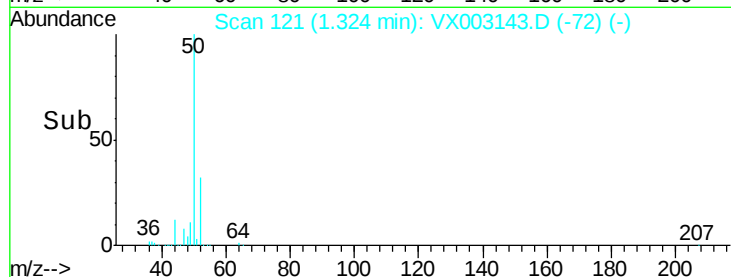
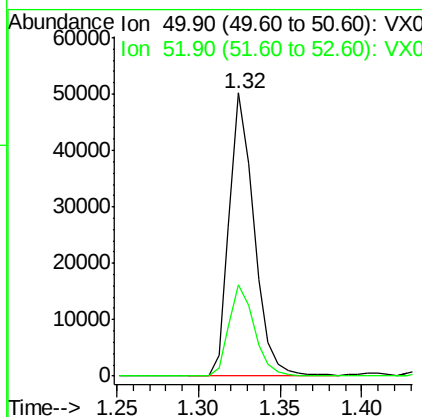
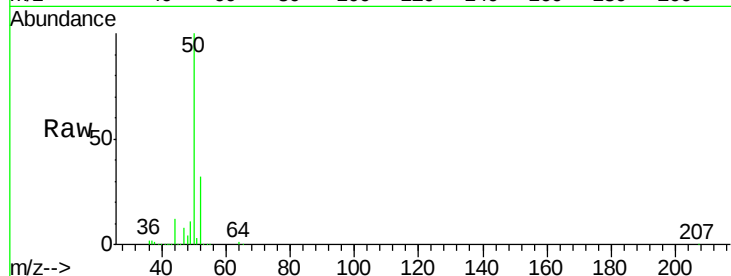
50 100

52 32.3 25.7 38.5

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#4

Vinyl Chloride

Concen: 19.799 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003143.D

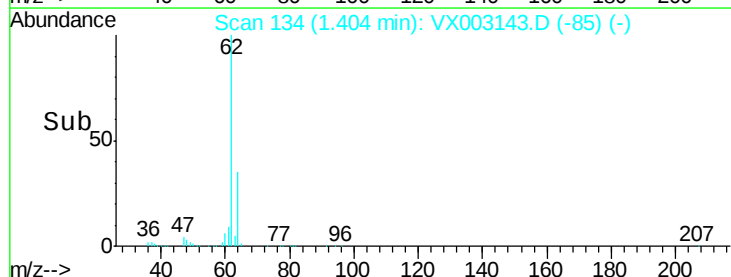
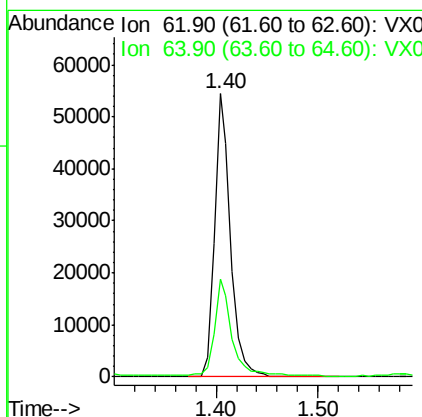
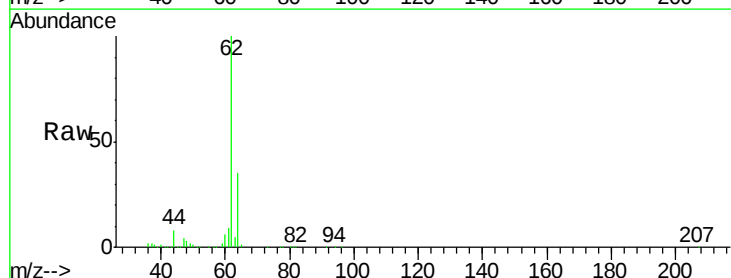
Acq: 03 Jul 2018 12:31

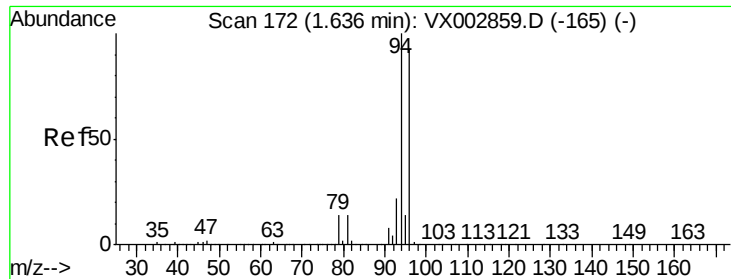
Tgt Ion: 62 Resp: 59937

Ion Ratio Lower Upper

62 100

64 34.2 25.4 38.2





#5

Bromomethane

Concen: 15.819 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 94 Resp: 24981

Ion Ratio Lower Upper

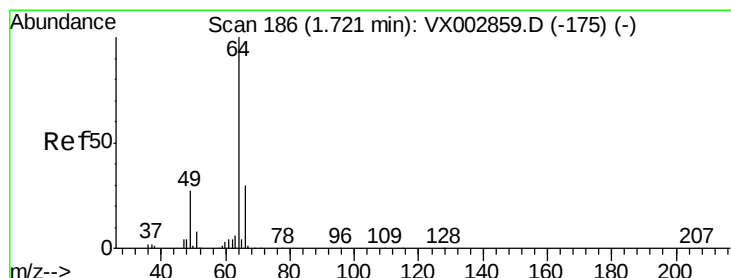
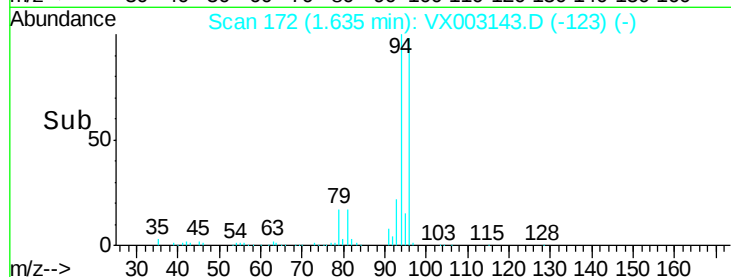
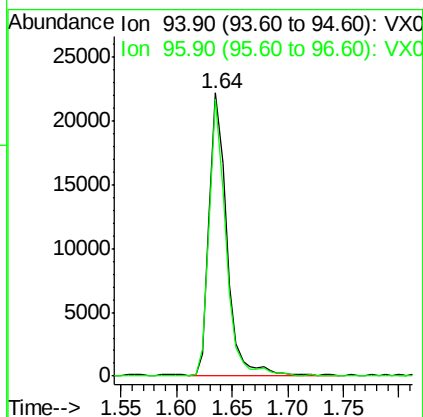
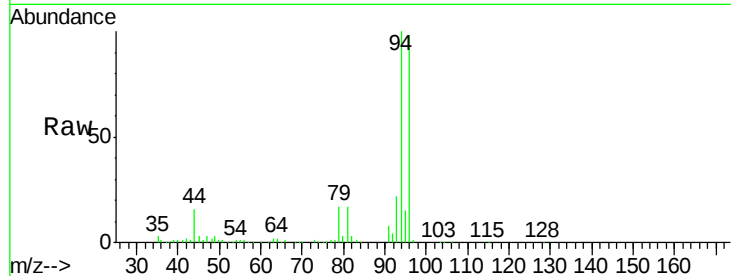
94 100

96 97.7 74.9 112.3

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#6

Chloroethane

Concen: 21.229 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003143.D

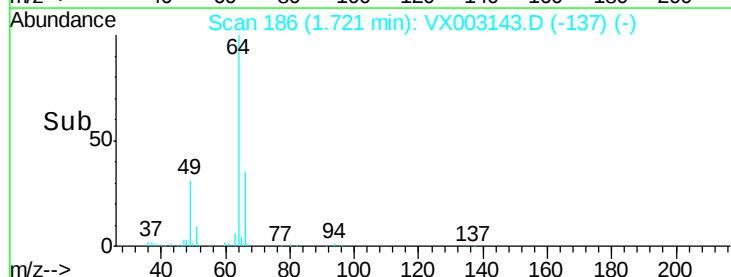
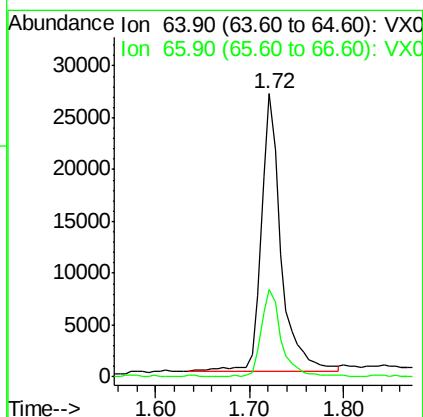
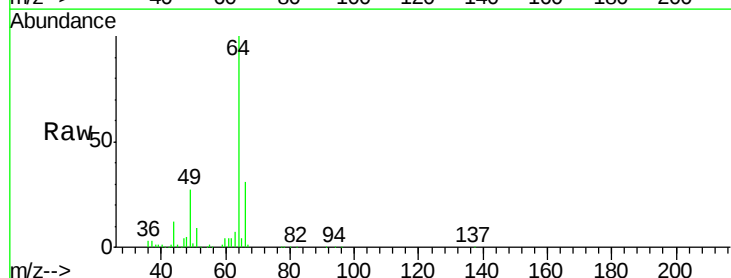
Acq: 03 Jul 2018 12:31

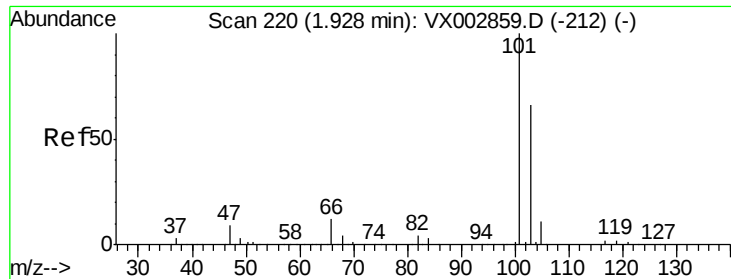
Tgt Ion: 64 Resp: 39870

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





#7

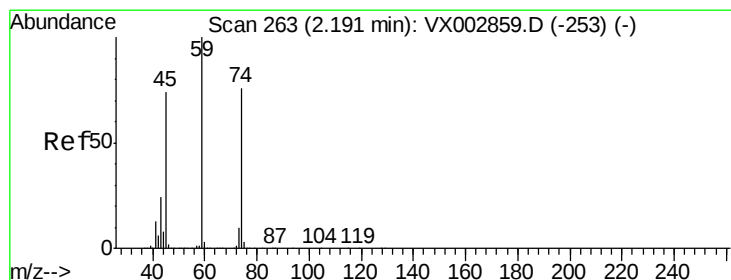
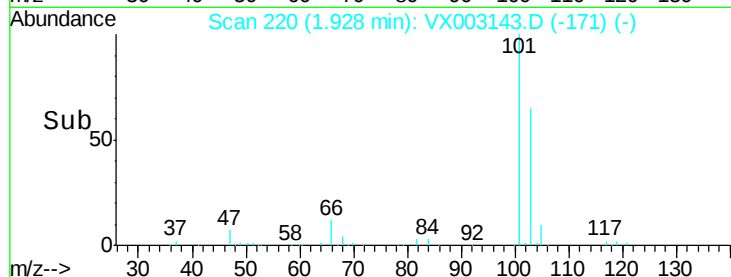
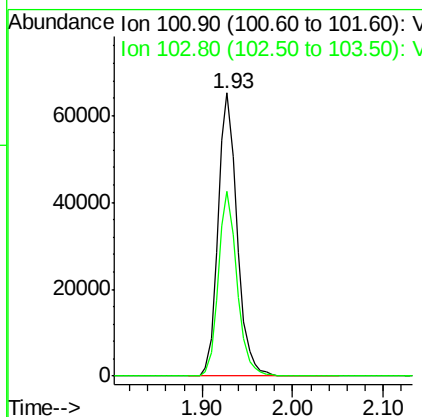
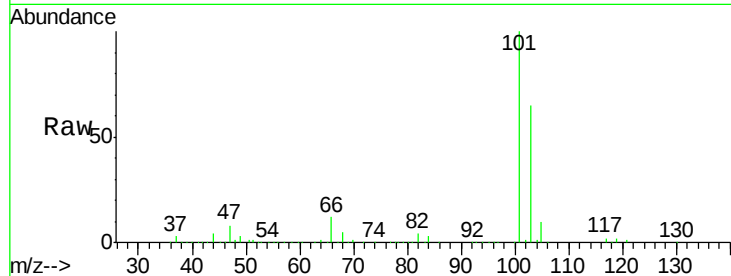
Trichlorofluoromethane
Concen: 18.785 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

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MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.8	79.2

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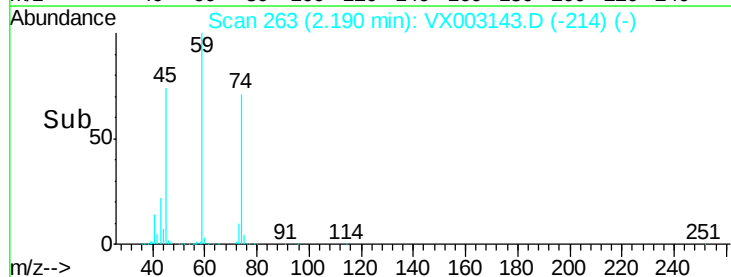
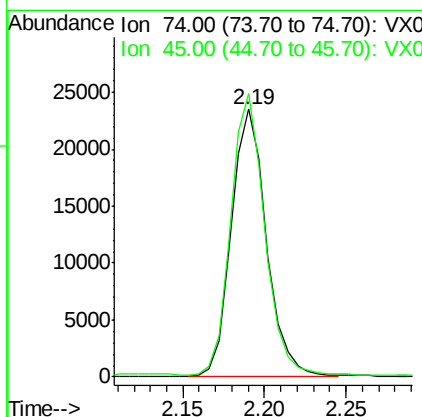
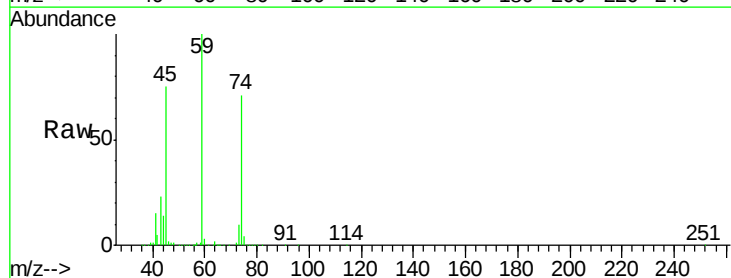
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#8

Diethyl Ether
Concen: 18.922 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.190 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

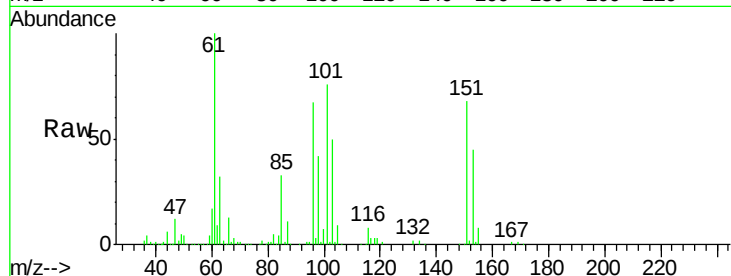
ClientSampleId :

VX0703WBS01

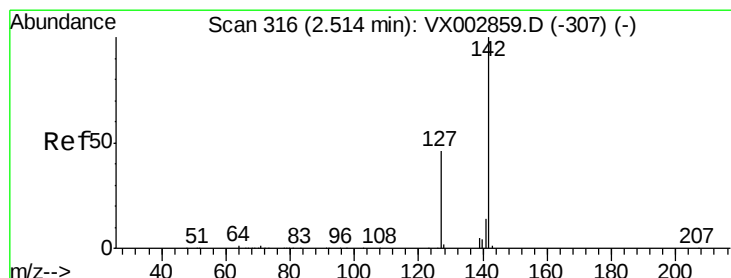
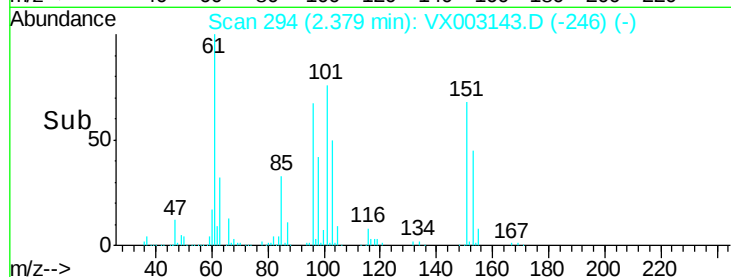
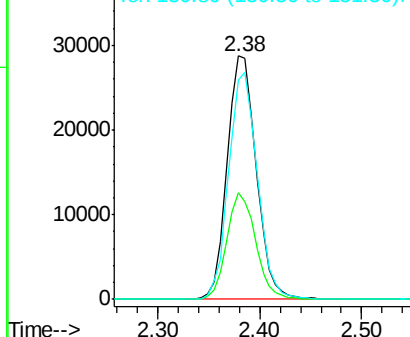
Tot Ion:	101	Resp:	56780
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.0	54.0
151	91.9	70.9	106.3

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



#10

Methyl Iodide

Concen: 17.713 ug/l

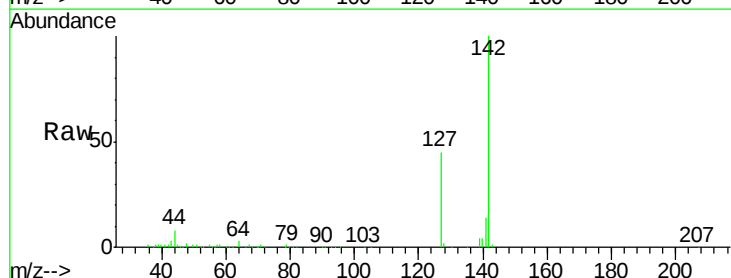
RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

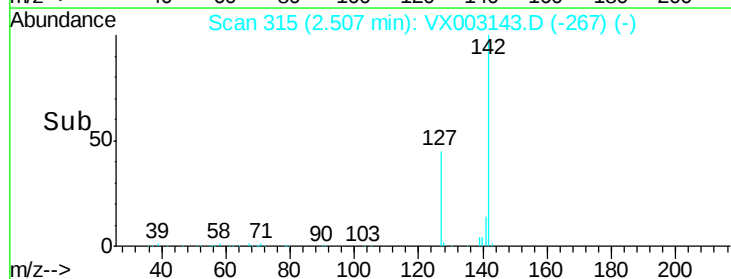
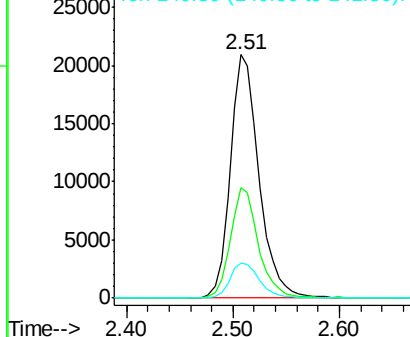
Lab File: VX003143.D

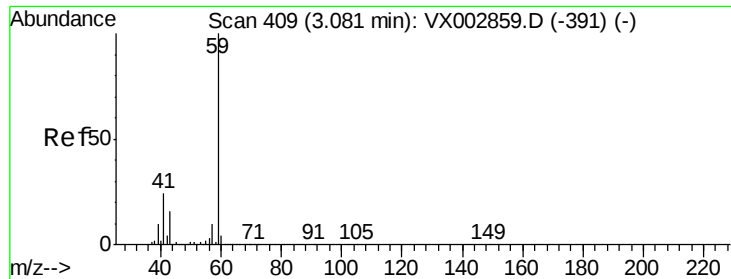
Acq: 03 Jul 2018 12:31

Tgt Ion:	142	Resp:	39372
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.6	55.0
141	14.9	11.3	16.9



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





#11

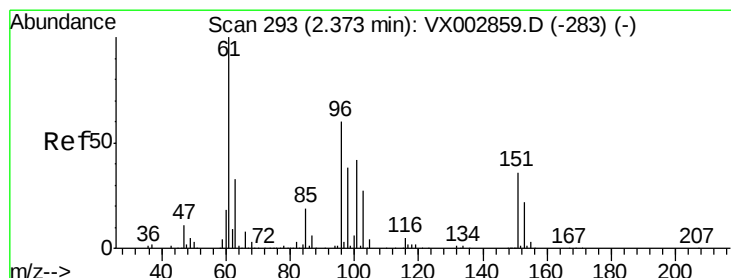
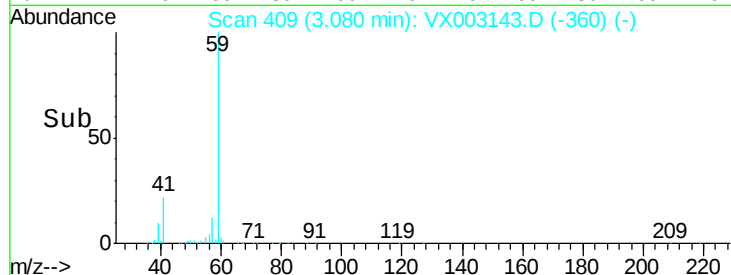
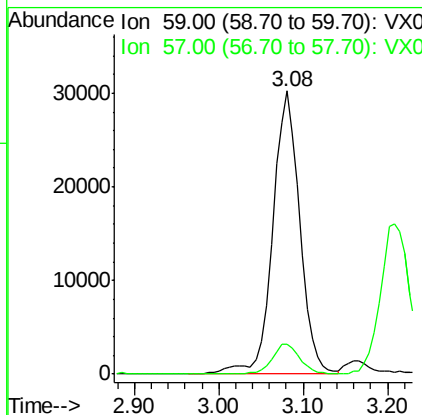
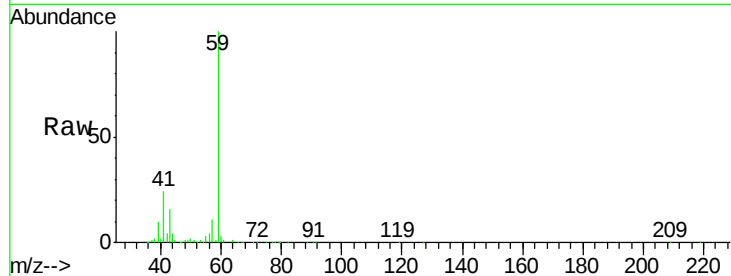
Tert butyl alcohol
Concen: 91.728 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion: 59 Resp: 67608
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

Manual Integrations
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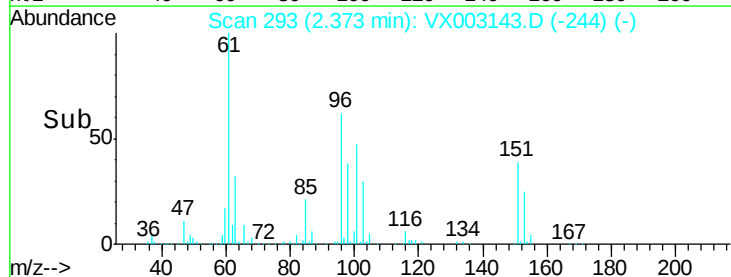
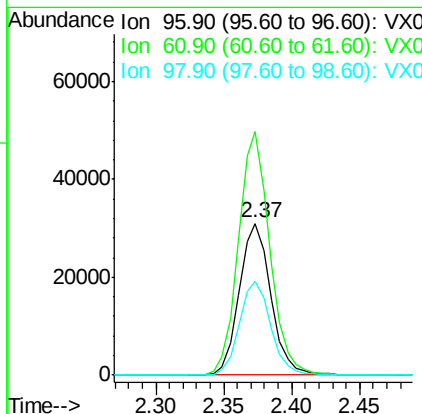
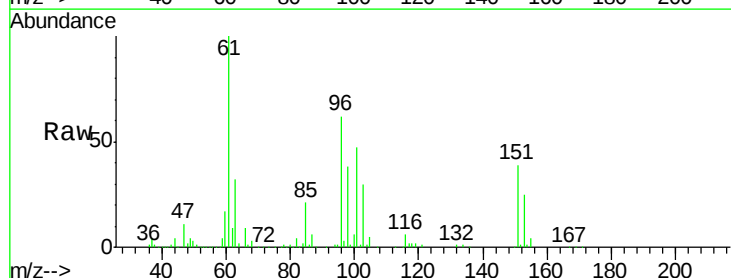
sam
7/5/2018 2:28:41 PM



#12

1,1-Dichloroethene
Concen: 19.036 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion: 96 Resp: 50252
Ion Ratio Lower Upper
96 100
61 160.2 137.9 206.9
98 61.5 51.6 77.4





#13

Acrolein

Concen: 55.556 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 56 Resp: 21334

Ion Ratio Lower Upper

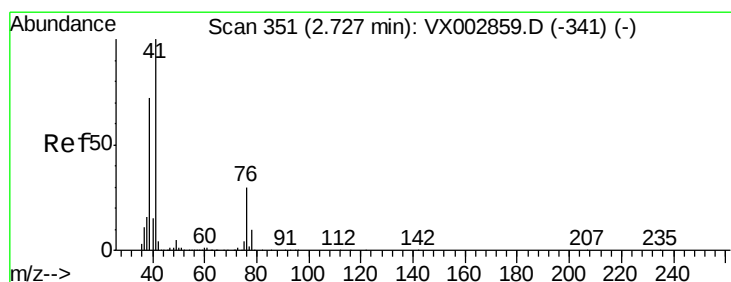
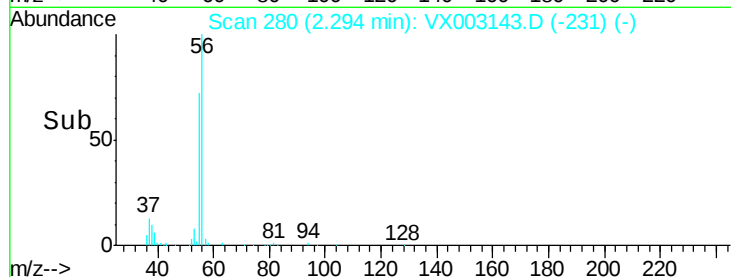
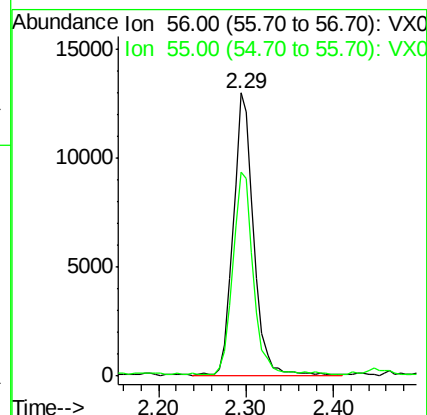
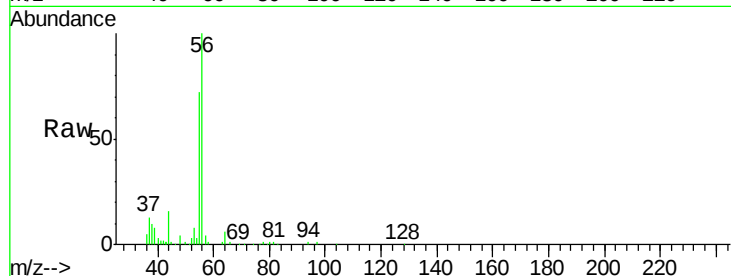
56 100

55 69.9 57.0 85.4

Manual Integrations
APPROVED

sam

7/5/2018 2:28:41 PM



#14

Allyl chloride

Concen: 18.690 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

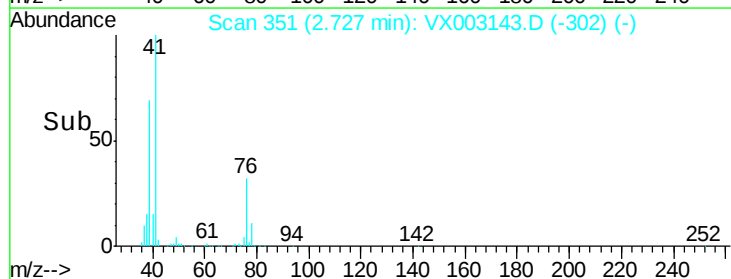
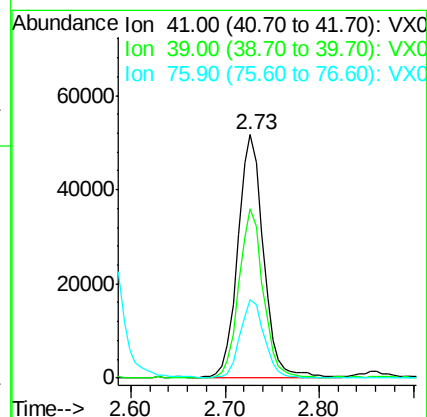
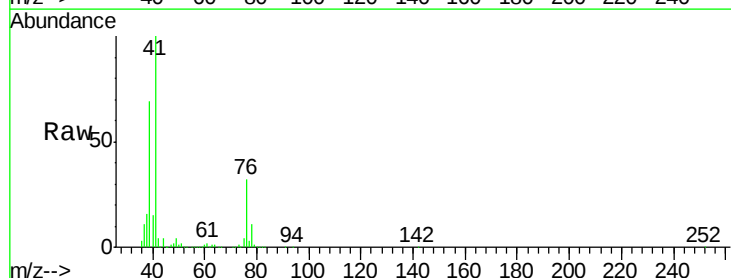
Tgt Ion: 41 Resp: 97262

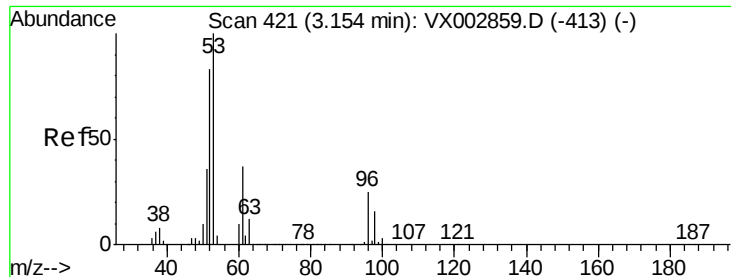
Ion Ratio Lower Upper

41 100

39 66.1 56.8 85.2

76 30.4 23.8 35.8





#15

Acrylonitrile

Concen: 97.270 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

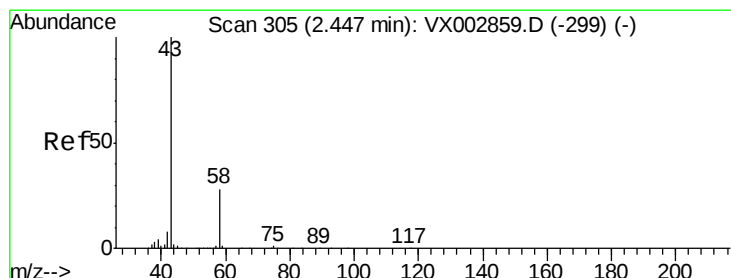
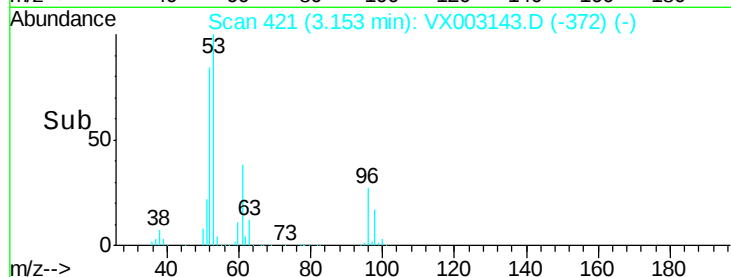
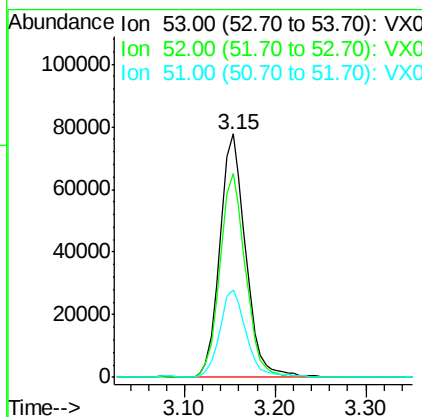
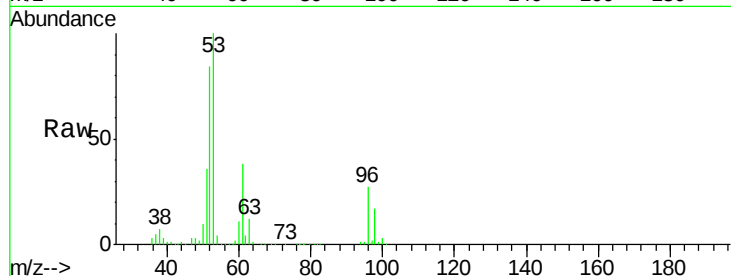
ClientSampled :

VX0703WBS01

Tot Ion:	53	Resp:	153131
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.7	100.1
51	36.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 88.998 ug/l

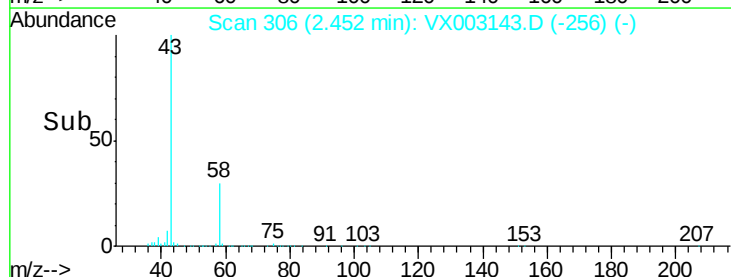
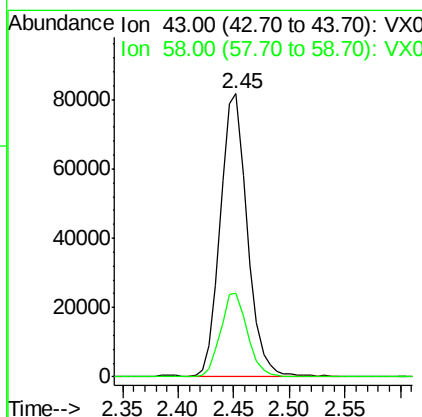
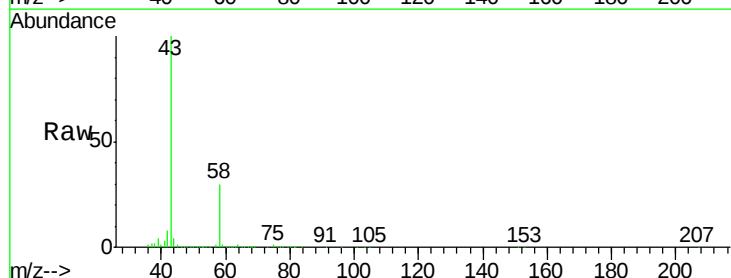
RT: 2.45 min Scan# 306

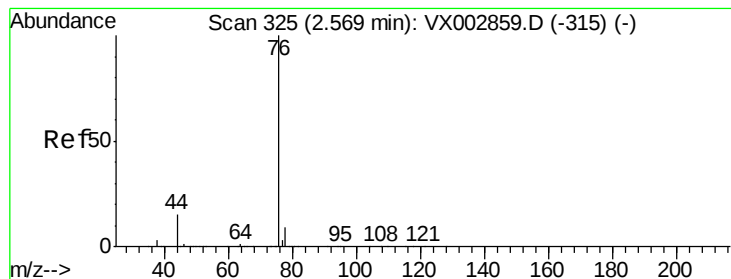
Delta R.T. 0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion:	43	Resp:	136365
Ion Ratio	Lower	Upper	
43	100		
58	29.6	22.1	33.1





#17

Carbon Disulfide

Concen: 19.188 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 76 Resp: 134964

Ion Ratio Lower Upper

76 100

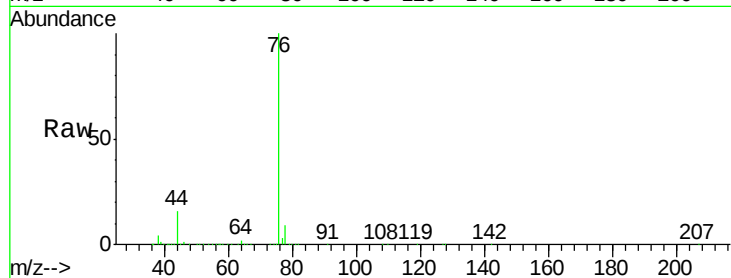
78 8.8 6.9 10.3

Manual Integrations

APPROVED

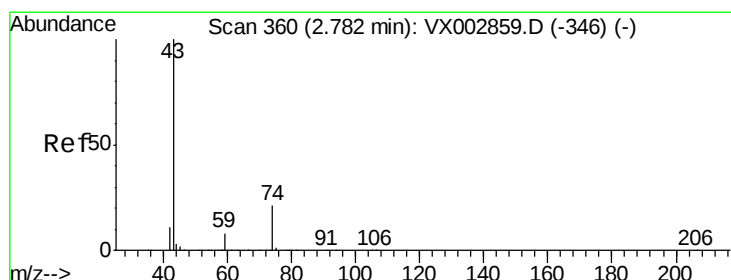
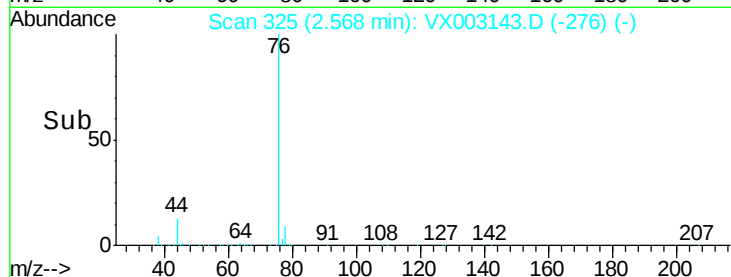
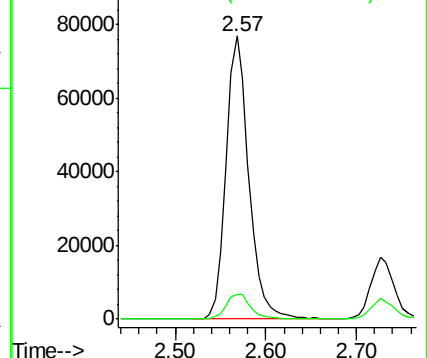
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.941 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003143.D

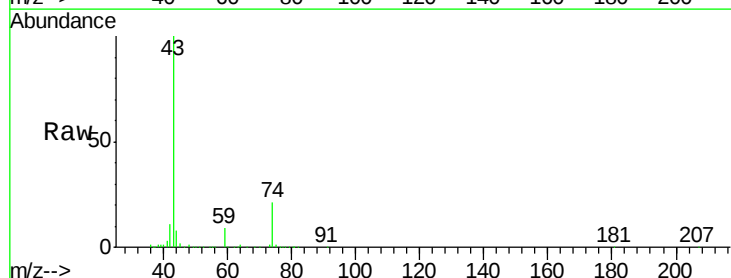
Acq: 03 Jul 2018 12:31

Tgt Ion: 43 Resp: 72574

Ion Ratio Lower Upper

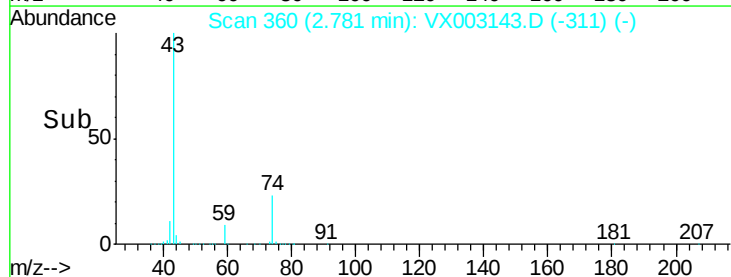
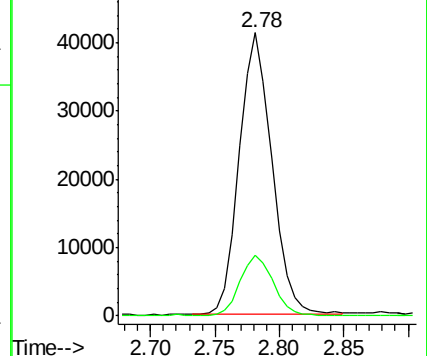
43 100

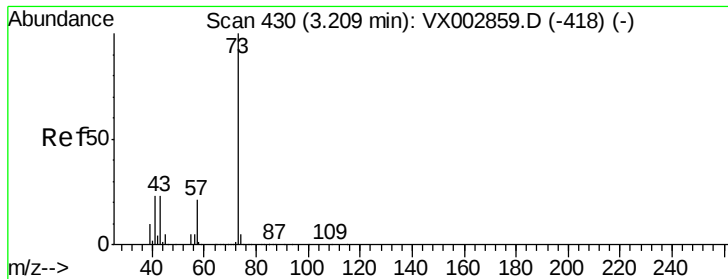
74 21.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

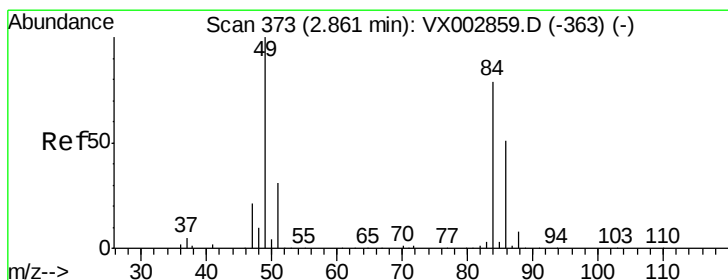
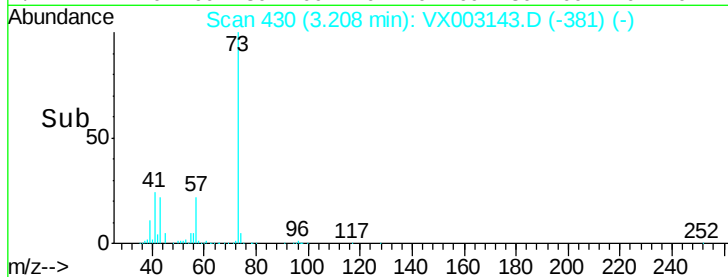
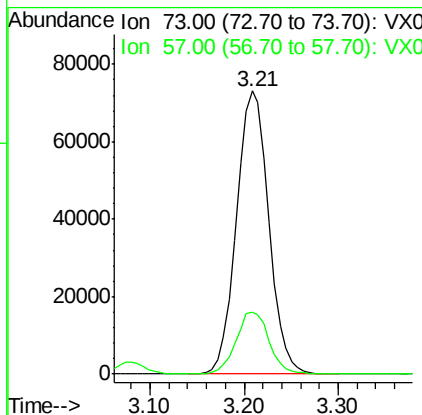
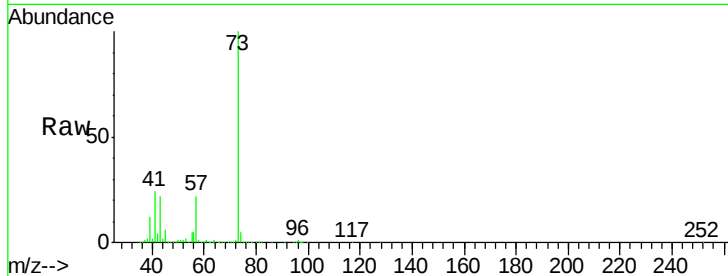
Methyl tert-butyl Ether
 Concen: 18.457 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	73	Resp	175167
Ion Ratio	100	Lower	Upper
73	100		
57	22.0	17.7	26.5

Manual Integrations
 APPROVED

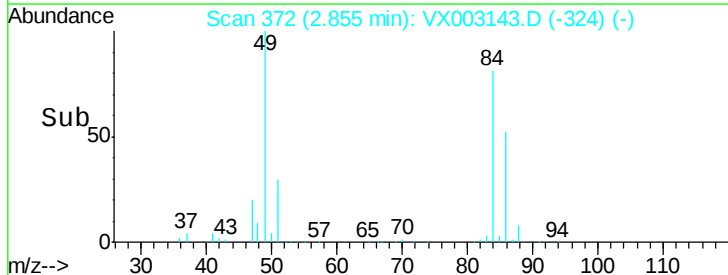
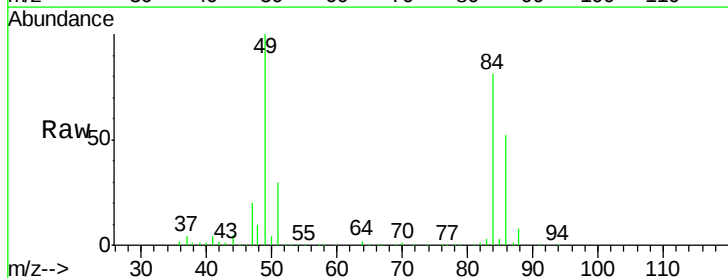
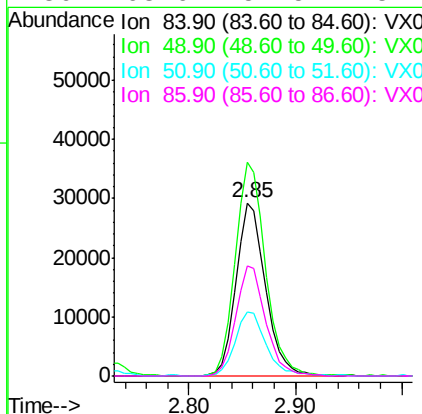
sam
 7/5/2018 2:28:41 PM

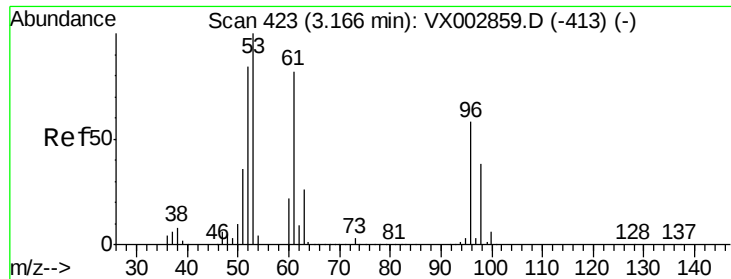


#20

Methylene Chloride
 Concen: 19.091 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	84	Resp	56924
Ion Ratio	100	Lower	Upper
84	100		
49	122.9	107.8	161.6
51	36.7	32.8	49.2
86	63.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.207 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

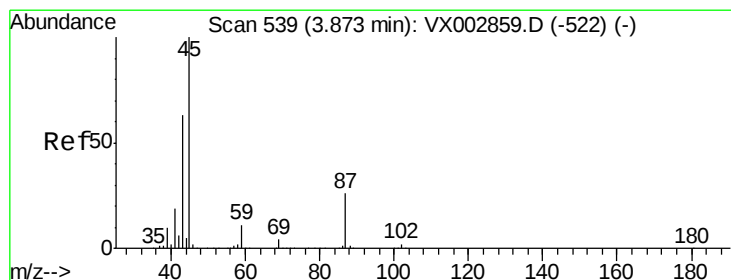
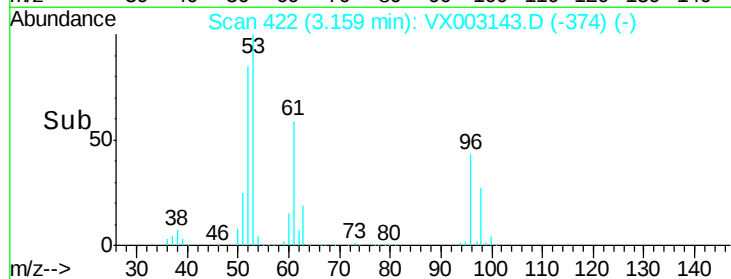
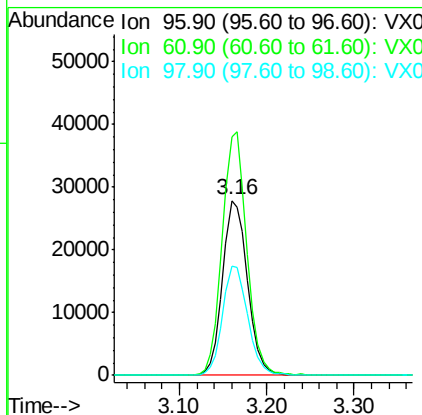
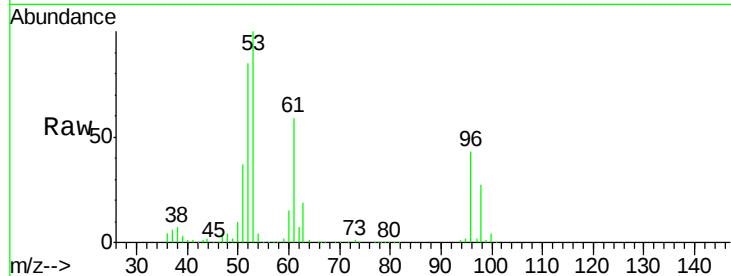
ClientSampled :

VX0703WBS01

Tot Ion:	96	Resp:	55227
Ion Ratio	Lower	Upper	
96	100		
61	136.6	117.0	175.4
98	62.2	52.4	78.6

Manual Integrations
APPROVED

sam
7/5/2018 2:28:41 PM



#22

Diisopropyl ether

Concen: 18.520 ug/l

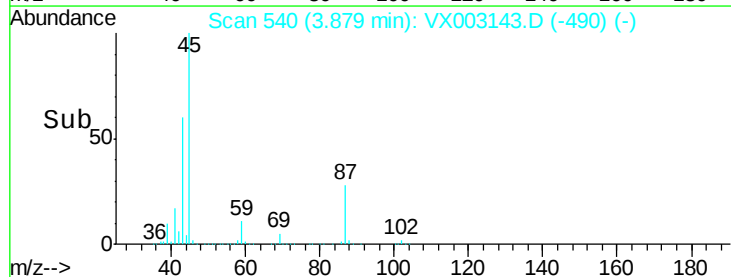
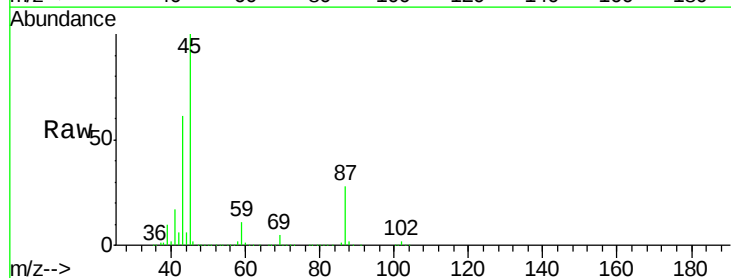
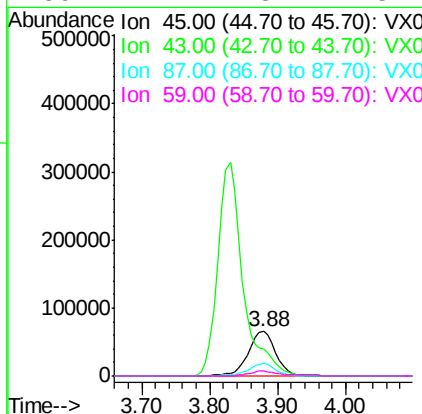
RT: 3.88 min Scan# 540

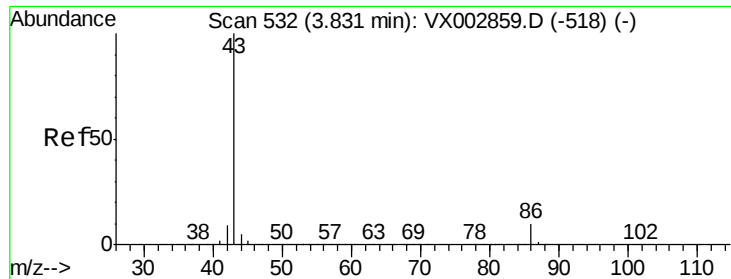
Delta R.T. 0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion:	45	Resp:	184220
Ion Ratio	Lower	Upper	
45	100		
43	60.6	46.8	70.2
87	28.0	20.2	30.4
59	11.4	8.7	13.1





#23

Vinyl Acetate

Concen: 96.382 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 43 Resp: 811826

Ion Ratio Lower Upper

43 100

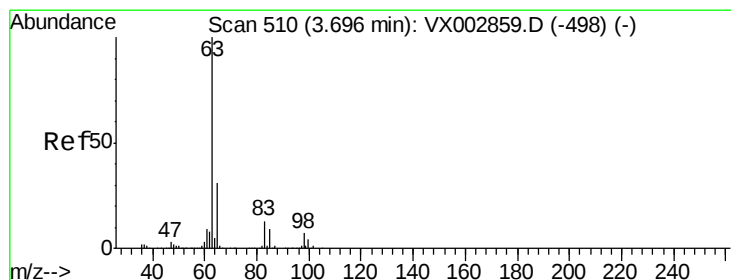
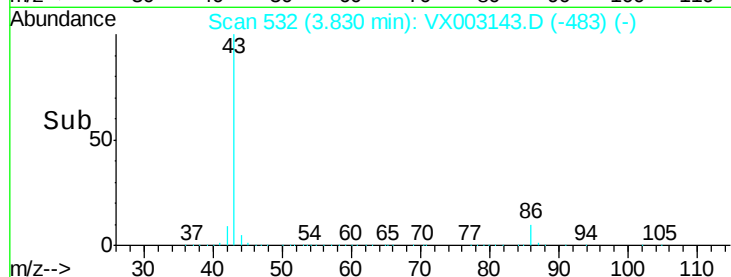
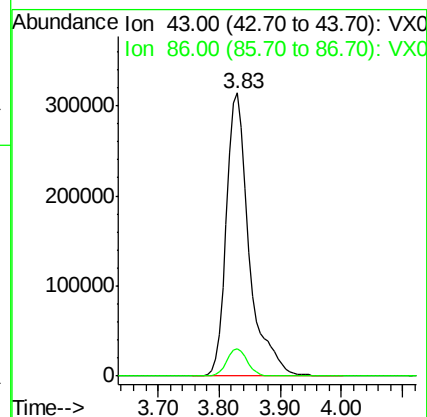
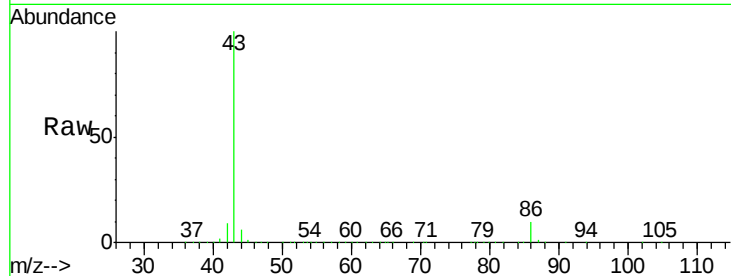
86 9.7 7.4 11.0

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 18.533 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

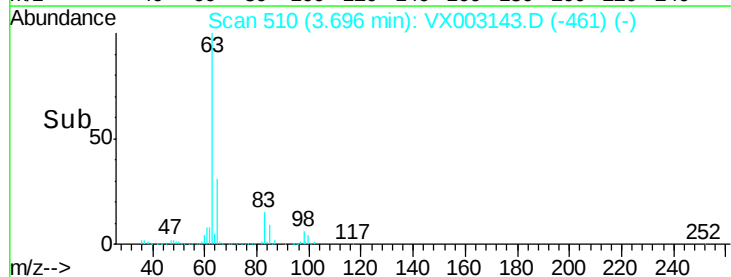
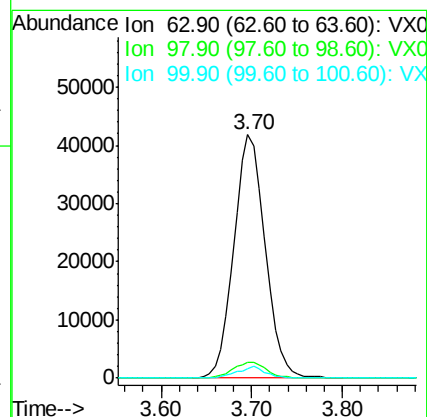
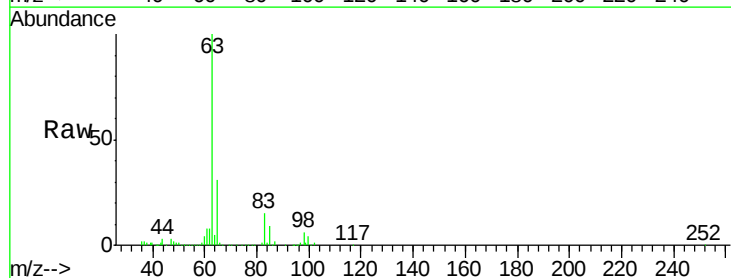
Tgt Ion: 63 Resp: 100199

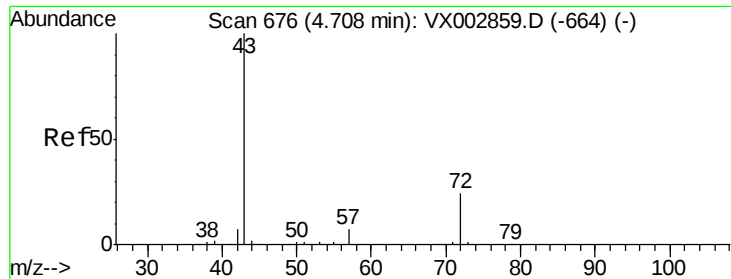
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 97.797 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 43 Resp: 222388

Ion Ratio Lower Upper

43 100

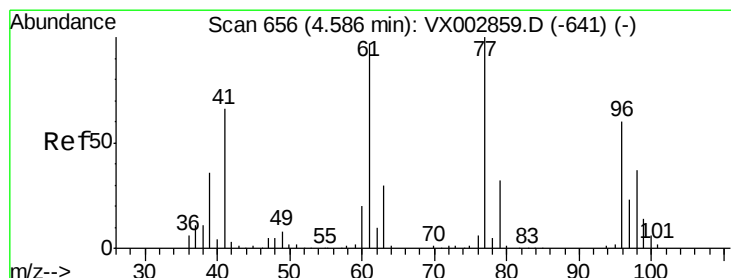
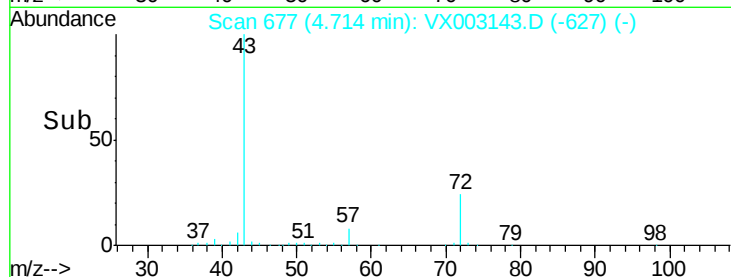
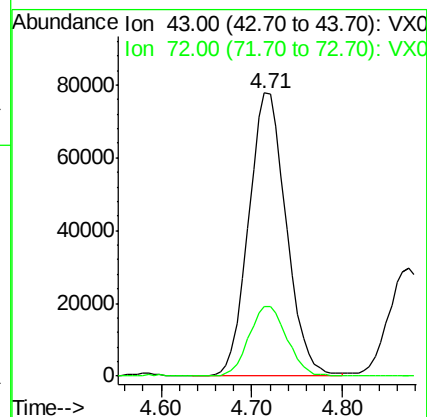
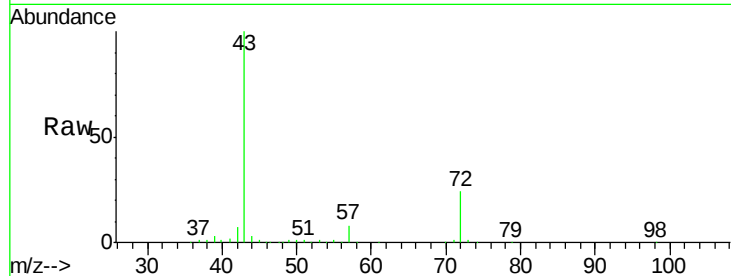
72 24.3 18.5 27.7

Manual Integrations

APPROVED

sam

7/5/2018 2:28:41 PM



#26

2,2-Dichloropropane

Concen: 18.287 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003143.D

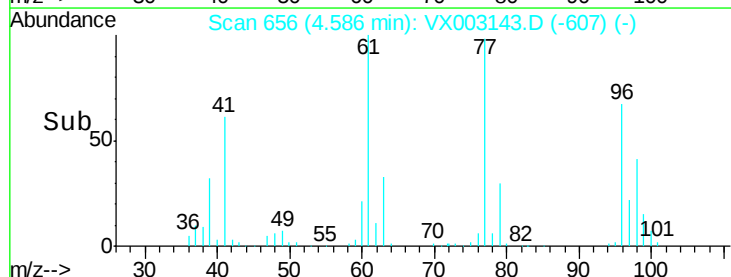
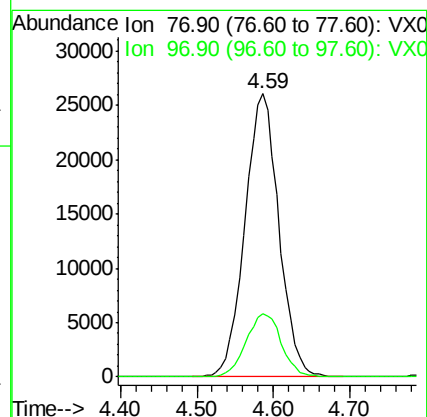
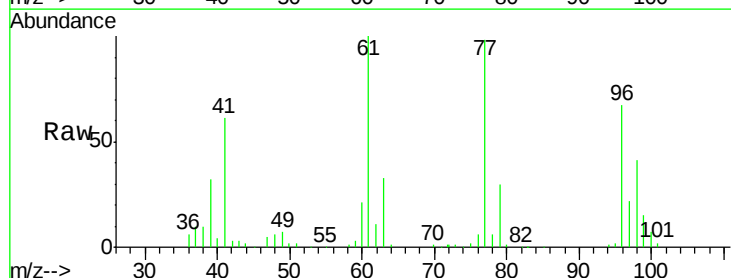
Acq: 03 Jul 2018 12:31

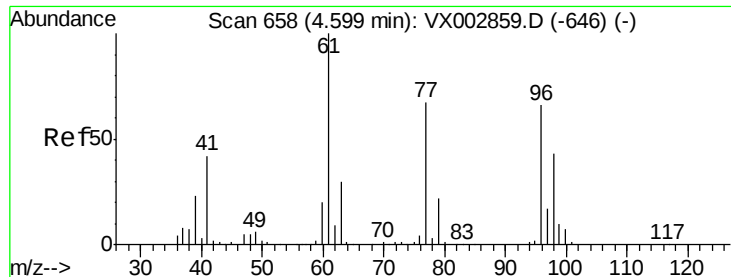
Tgt Ion: 77 Resp: 80397

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5





#27

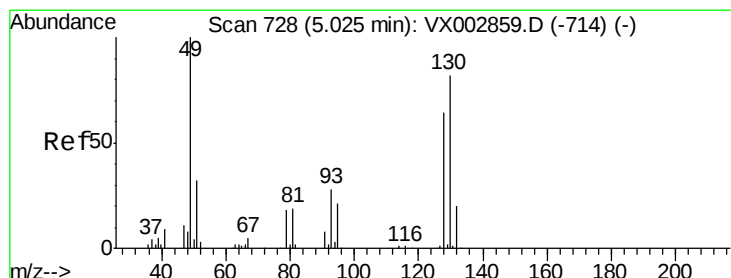
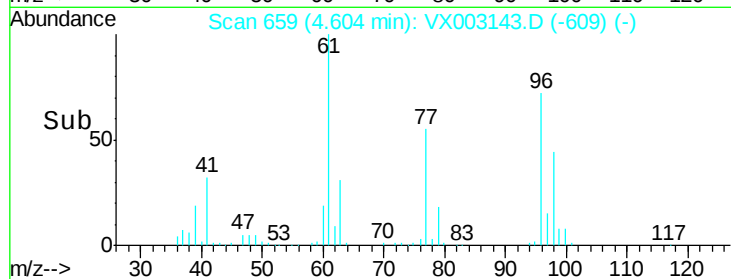
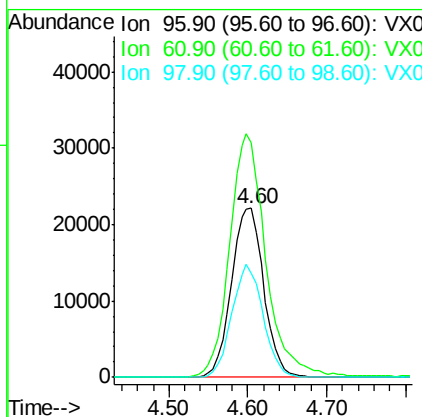
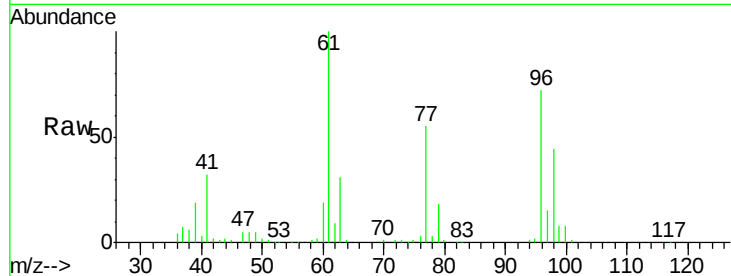
cis-1,2-Dichloroethene
Concen: 19.548 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	330.2
98	64.7	0.0	130.2

Manual Integrations
APPROVED

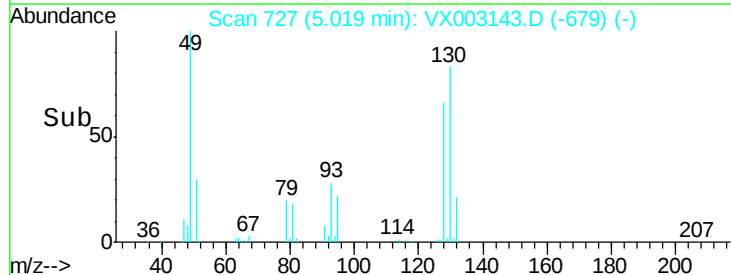
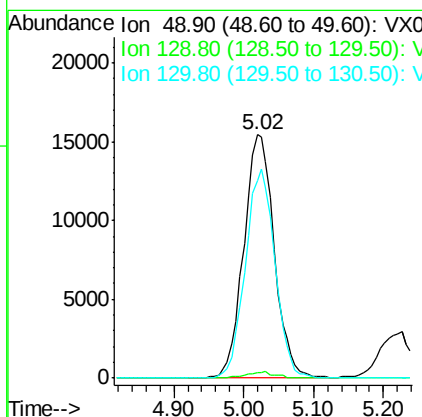
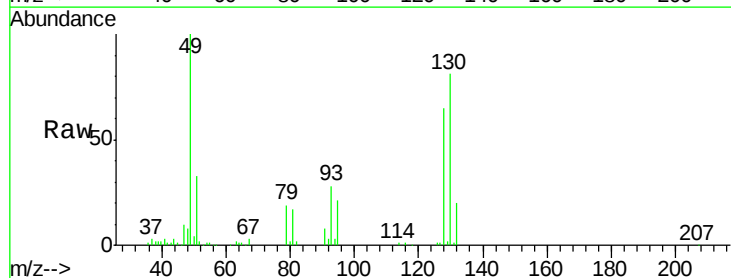
sam
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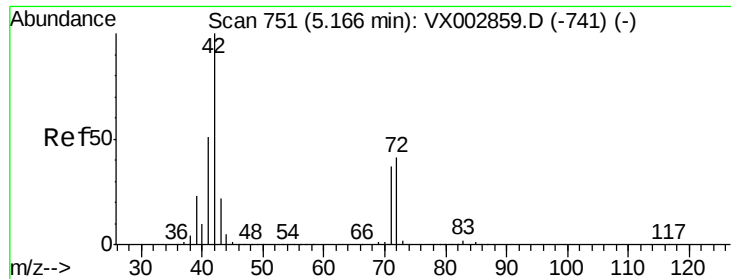


#28

Bromochloromethane
Concen: 18.081 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	83.6	61.2	91.8





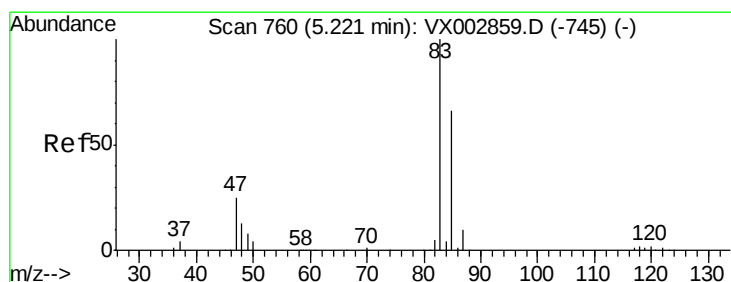
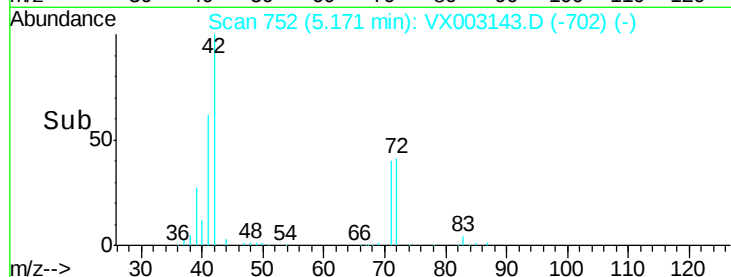
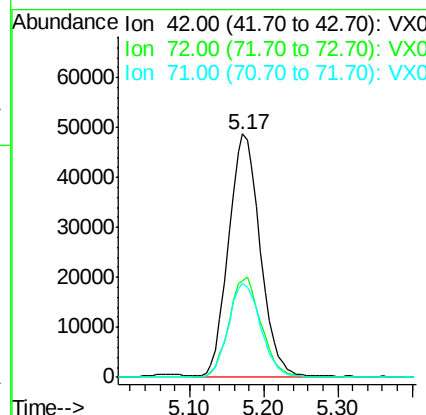
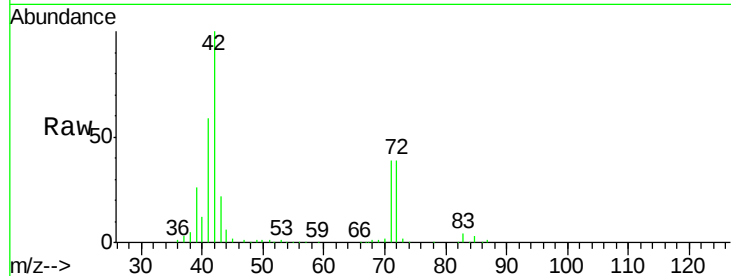
#29
Tetrahydrofuran
Concen: 98.978 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.0	48.0
71	39.5	30.1	45.1

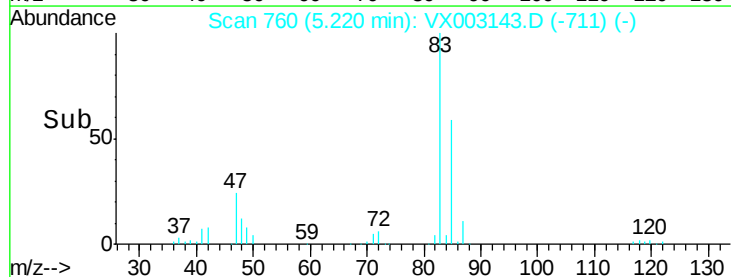
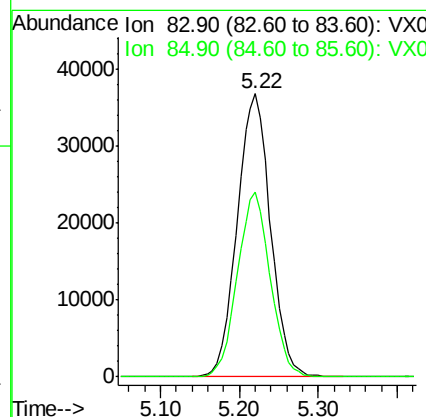
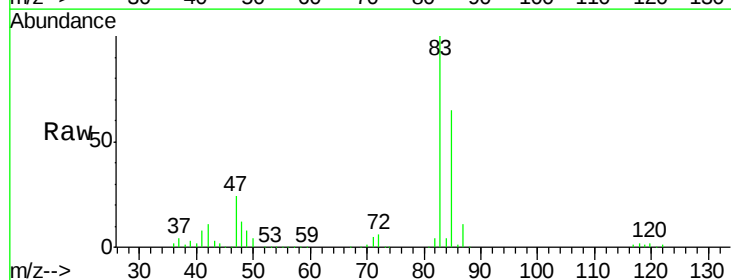
Manual Integrations
APPROVED

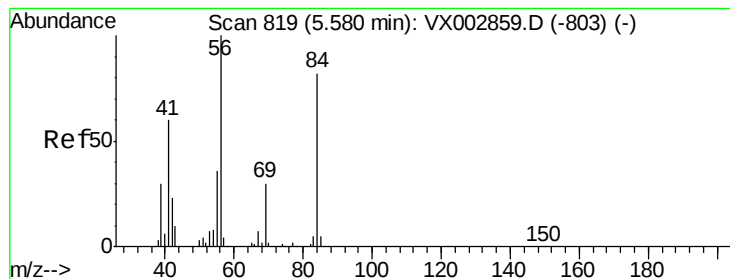
sam
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#30
Chloroform
Concen: 19.403 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6





#31

Cyclohexane

Concen: 19.707 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

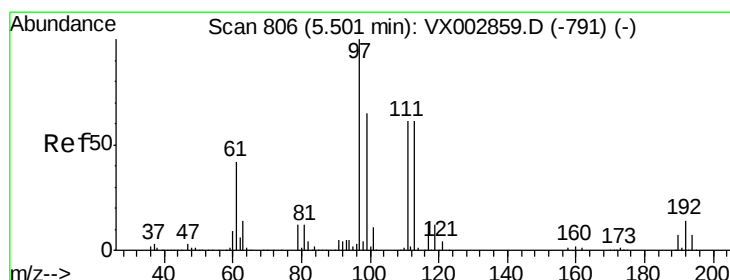
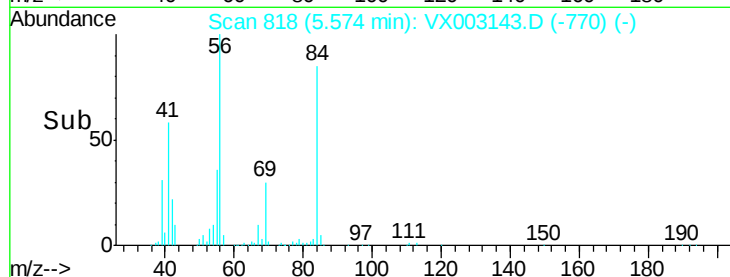
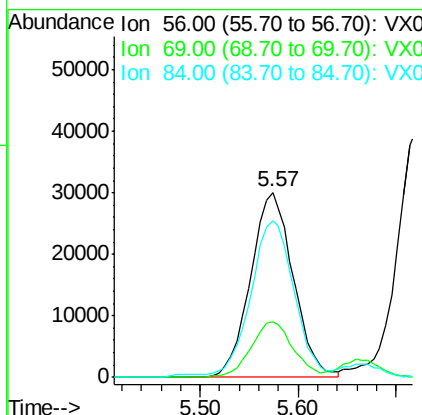
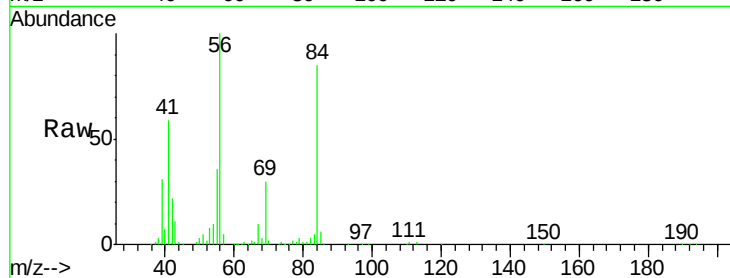
ClientSampled :

VX0703WBS01

Tot Ion:	56	Resp:	91439
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.7	35.5
84	82.8	64.1	96.1

Manual Integrations
APPROVED

sam
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#32

1,1,1-Trichloroethane

Concen: 19.255 ug/l

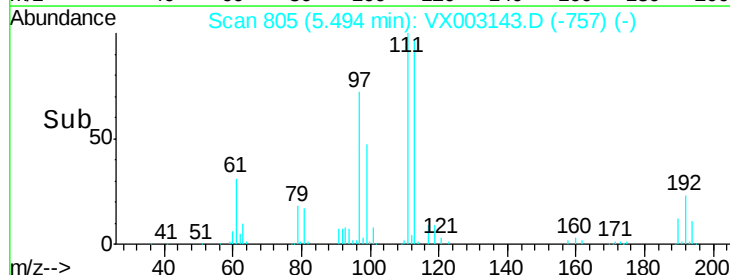
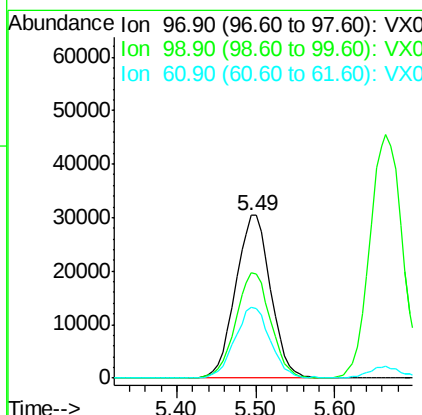
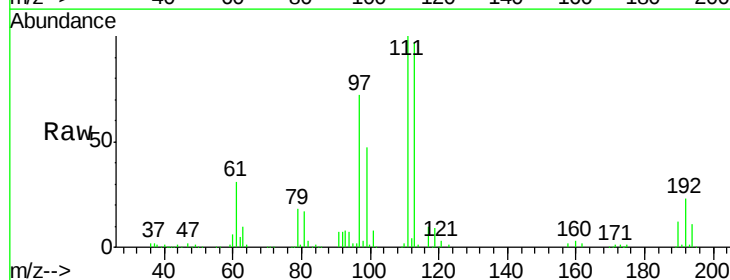
RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion:	97	Resp:	93997
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	44.0	36.4	54.6





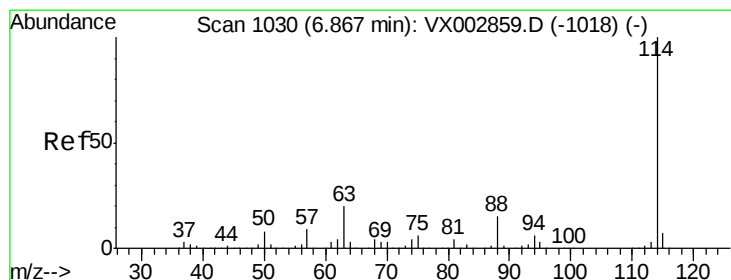
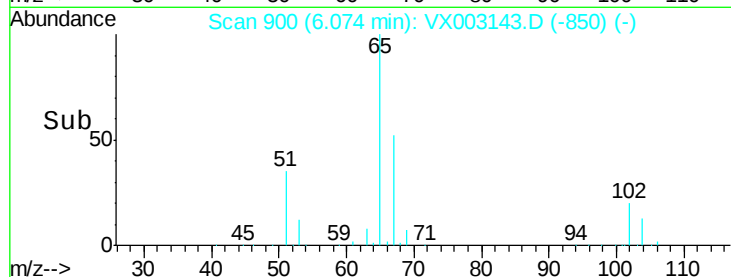
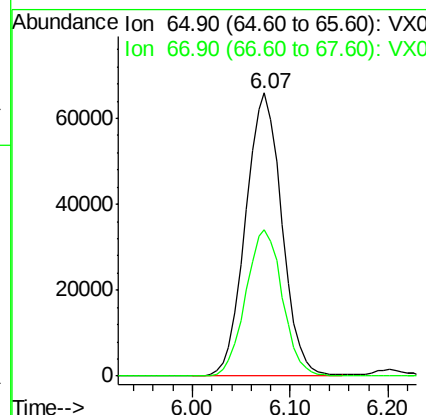
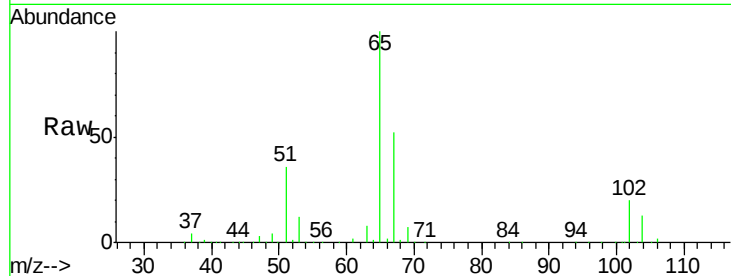
#33
 1,2-Dichloroethane-d4
 Concen: 45.972 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion: 65 Resp: 170092
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6

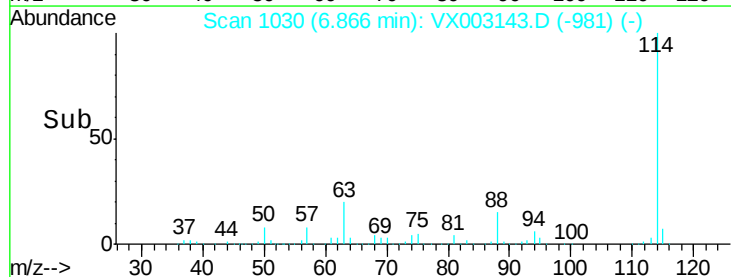
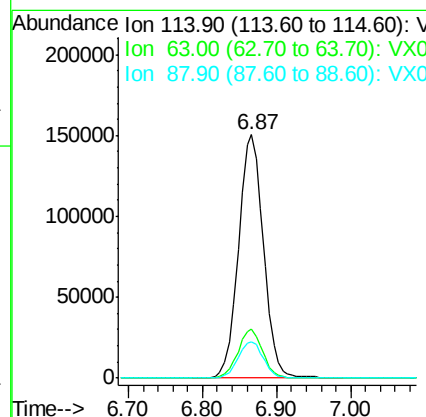
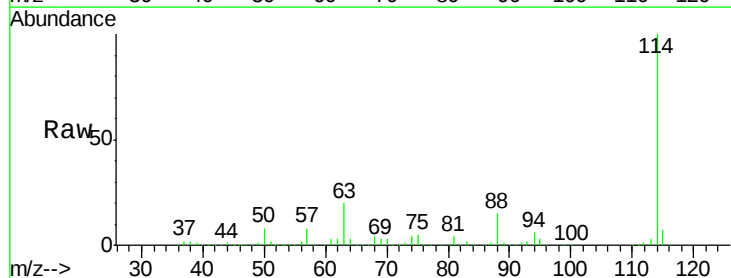
Manual Integrations
 APPROVED

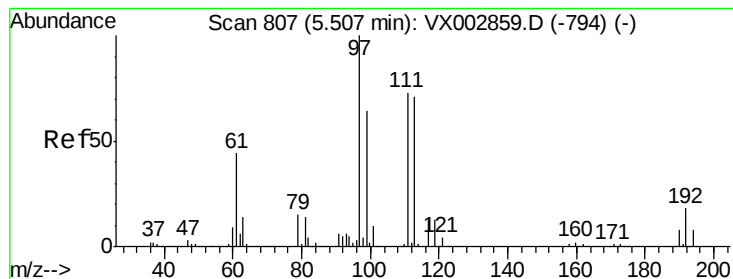
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion: 114 Resp: 353431
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.589 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

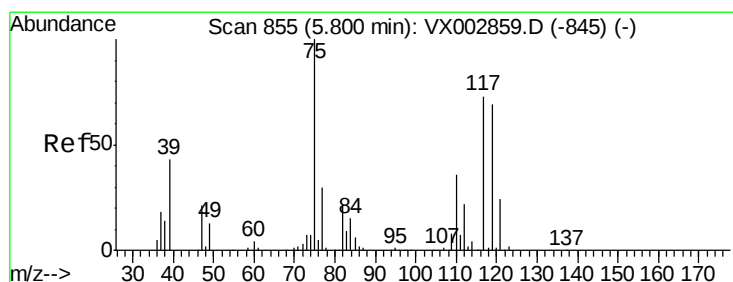
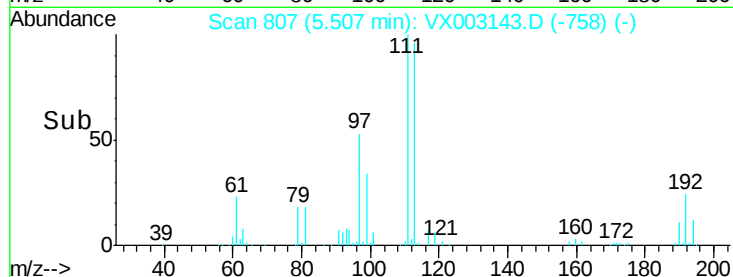
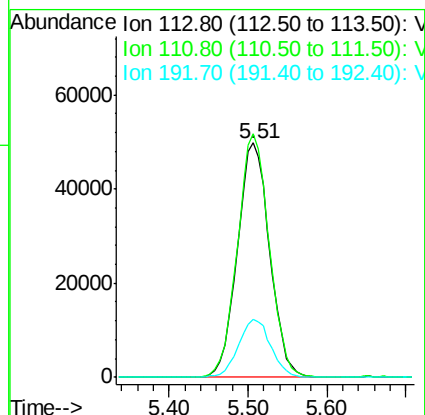
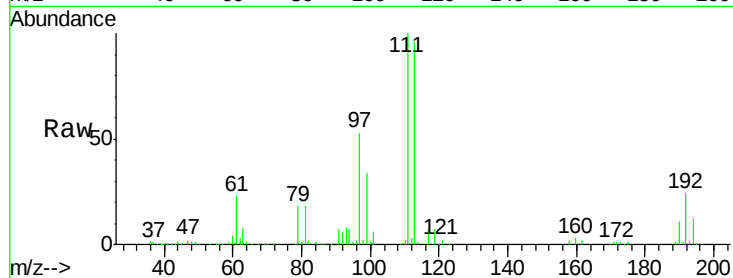
ClientSampled :

VX0703WBS01

Tot Ion:	113	Resp:	141591
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.4	122.0
192	24.8	19.1	28.7

Manual Integrations
APPROVED

sam
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#36

1,1-Dichloropropene

Concen: 20.128 ug/l

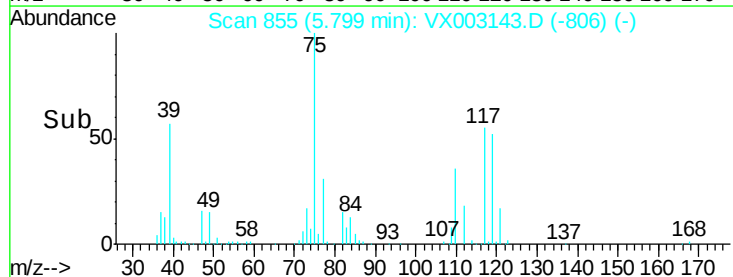
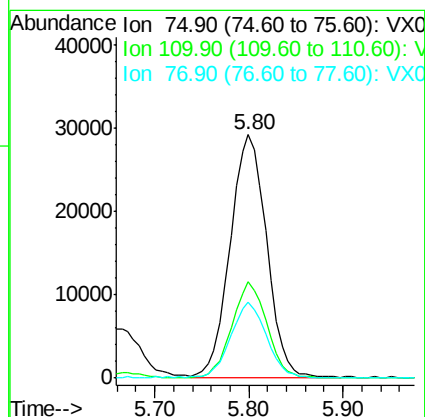
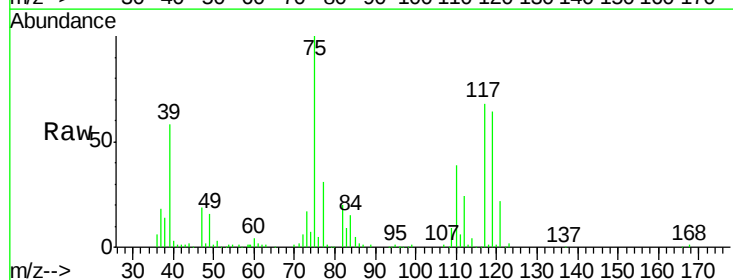
RT: 5.80 min Scan# 855

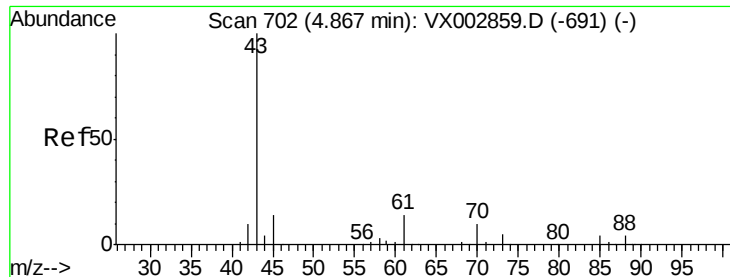
Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion:	75	Resp:	78012
Ion Ratio	Lower	Upper	
75	100		
110	38.5	18.1	54.4
77	31.0	24.3	36.5





#37

Ethyl Acetate

Concen: 20.951 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

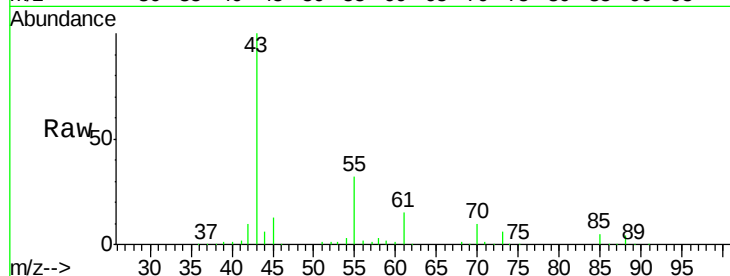
ClientSampled :

VX0703WBS01

Tot Ion:	43	Resp:	87431
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.8	7.6	11.4

Manual Integrations
APPROVED

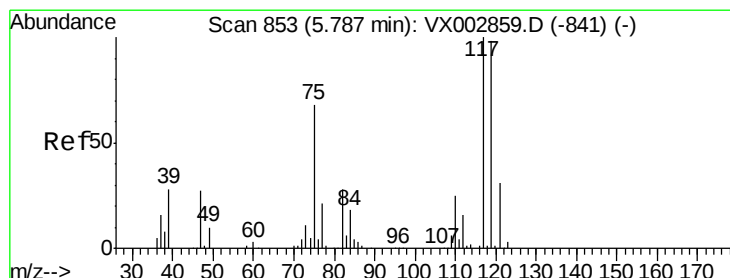
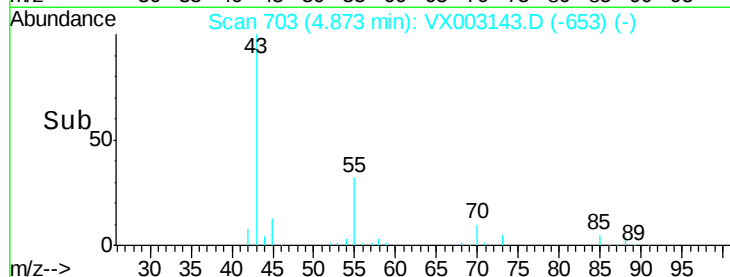
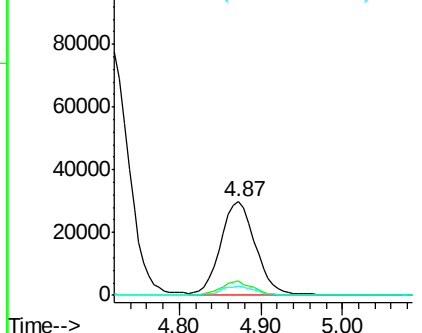
sam
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.979 ug/l

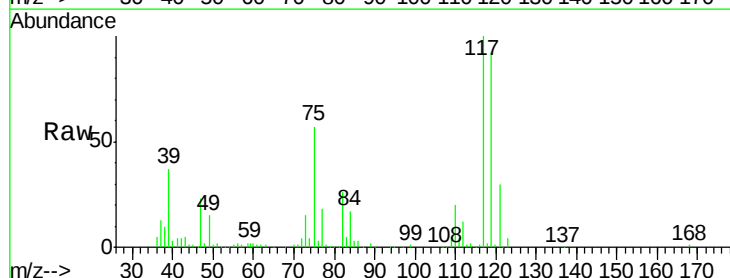
RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

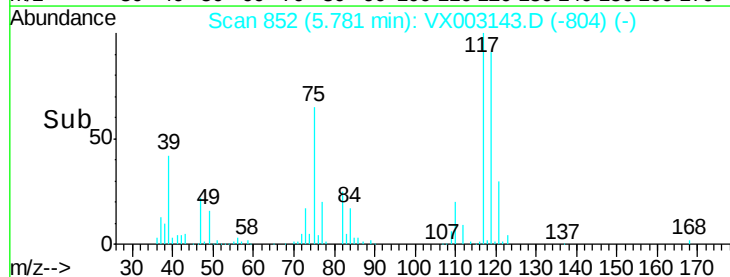
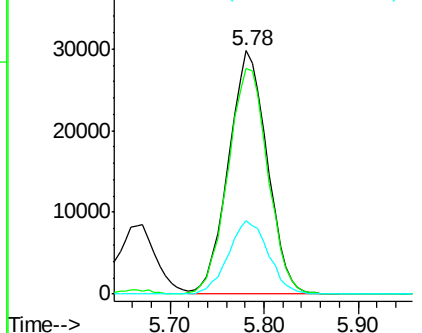
Tgt Ion:	117	Resp:	84978
Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.4	116.0
121	30.3	24.4	36.6

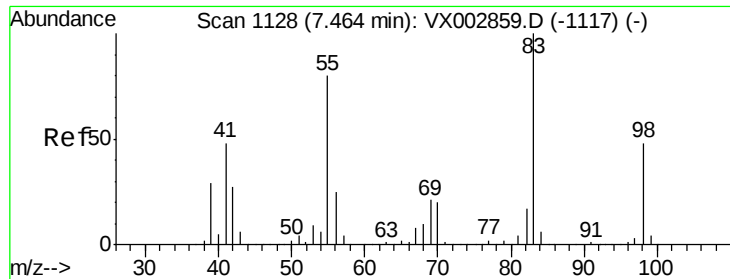


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





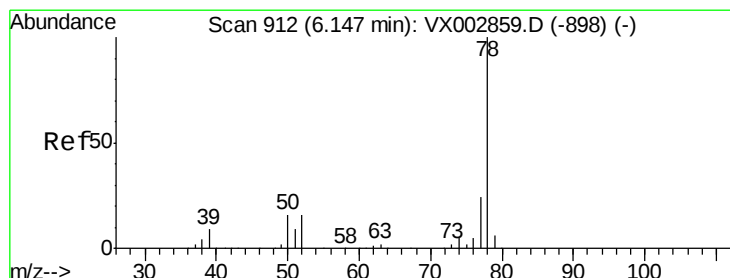
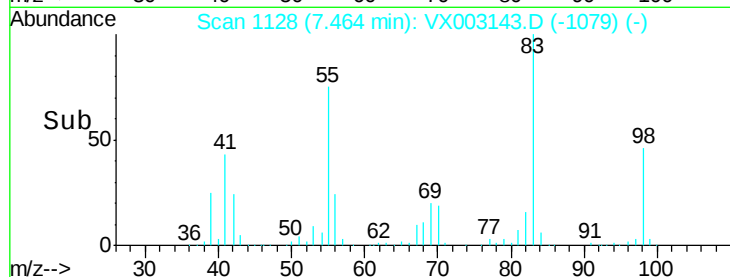
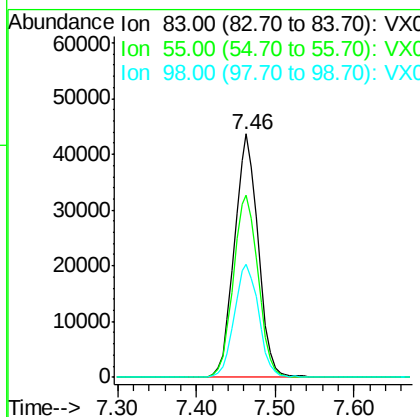
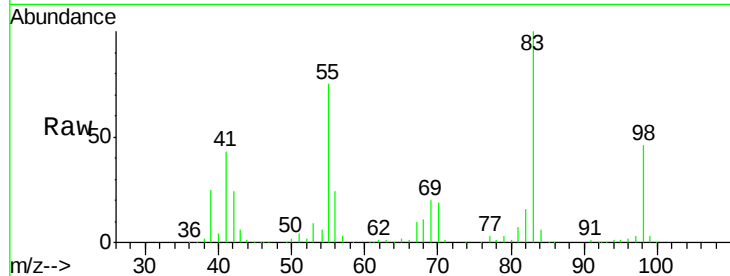
#39
Methvlcvclohexane
Concen: 20.245 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	65.4	98.0
98	46.3	37.4	56.0

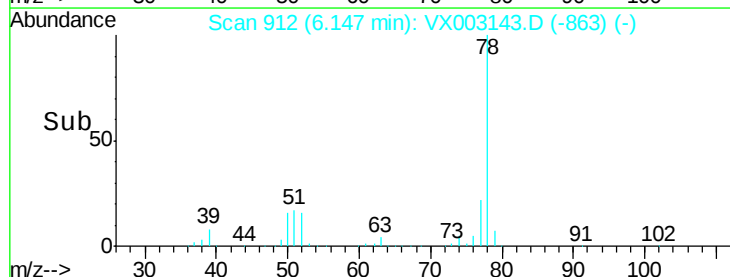
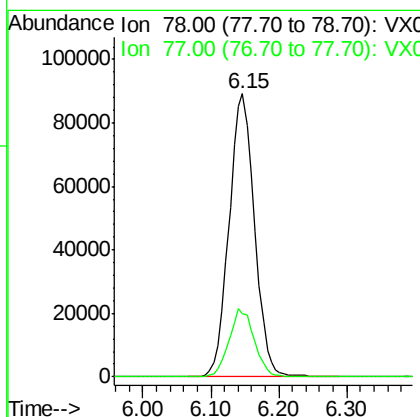
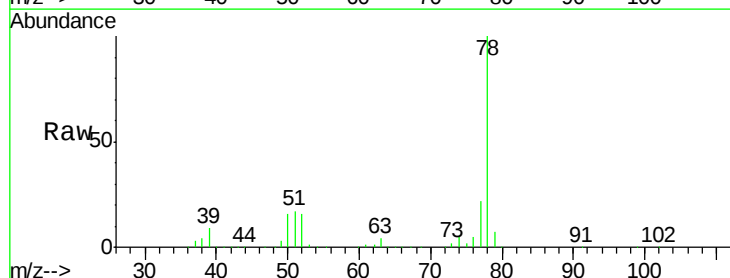
Manual Integrations
APPROVED

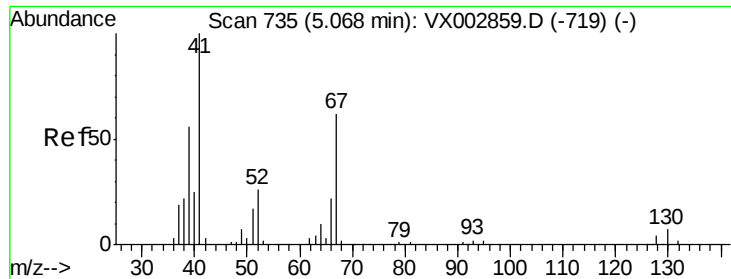
sam
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#40
Benzene
Concen: 20.545 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.1	28.7





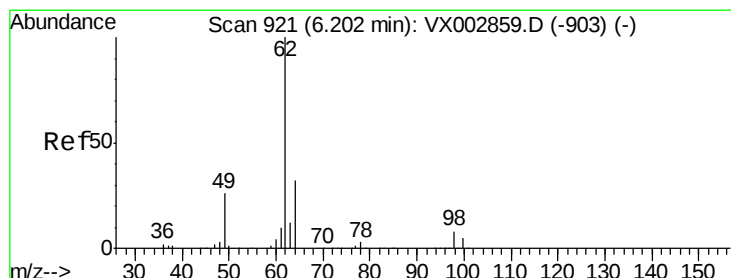
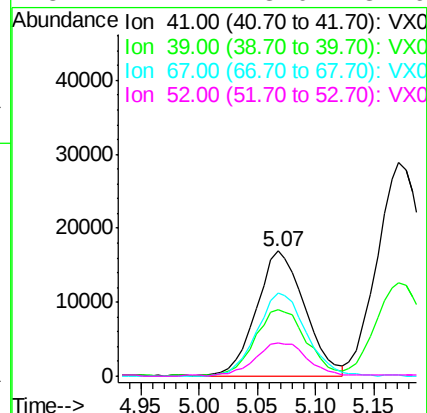
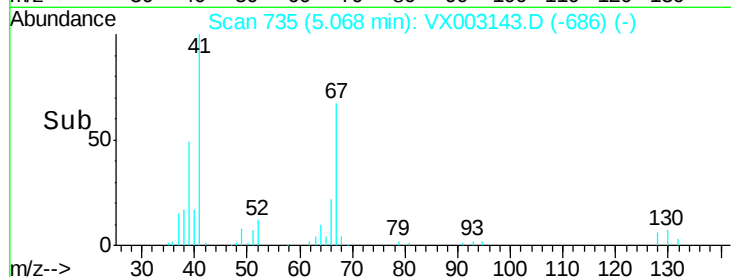
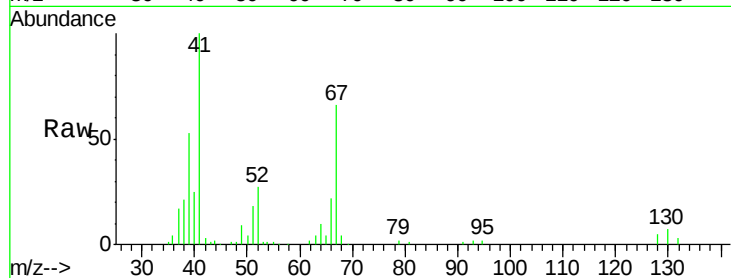
#41
Methacrylonitrile
Concen: 20.497 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	45.8	68.6	
67	67.5	51.3	76.9	
52	27.7	23.0	34.6	

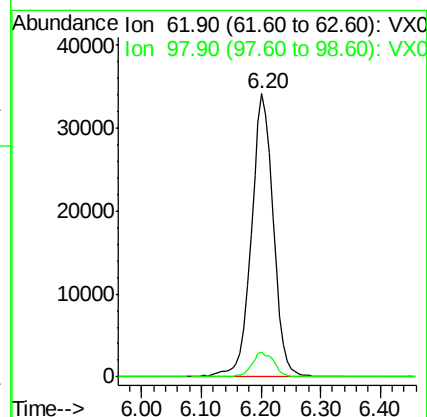
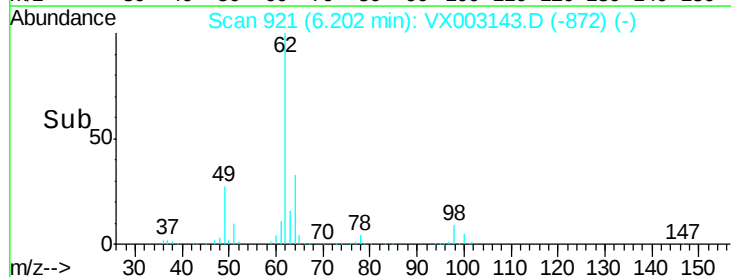
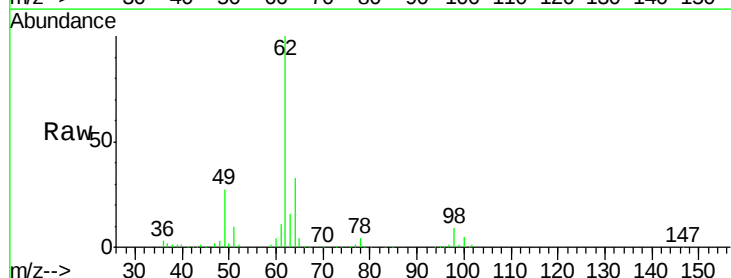
Manual Integrations
APPROVED

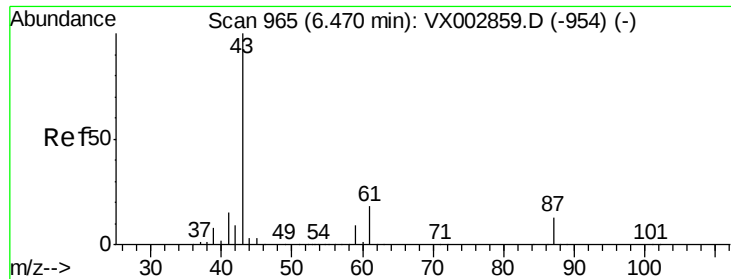
sam
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#42
1,2-Dichloroethane
Concen: 19.201 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	16.6	





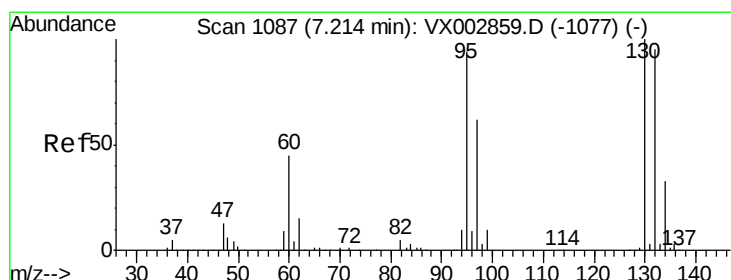
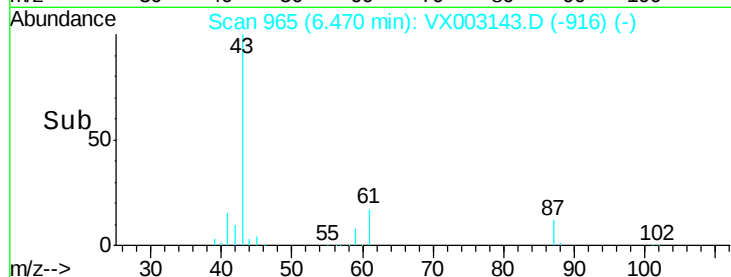
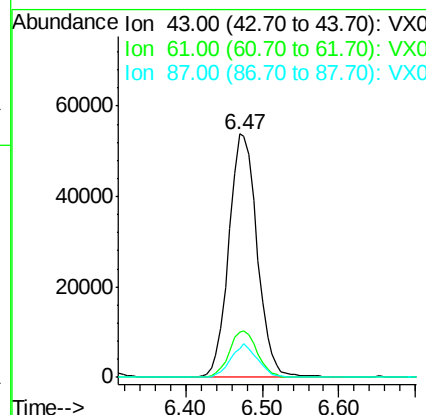
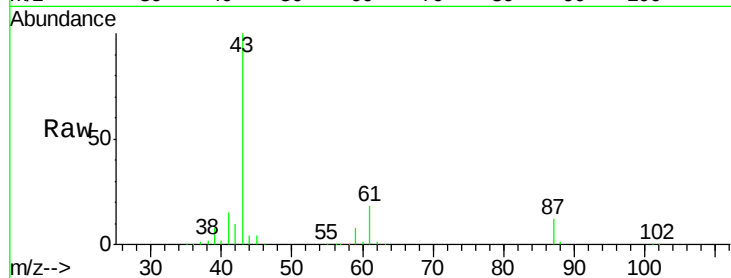
#43
Isopropyl Acetate
Concen: 19.617 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	13.1	9.5	14.3

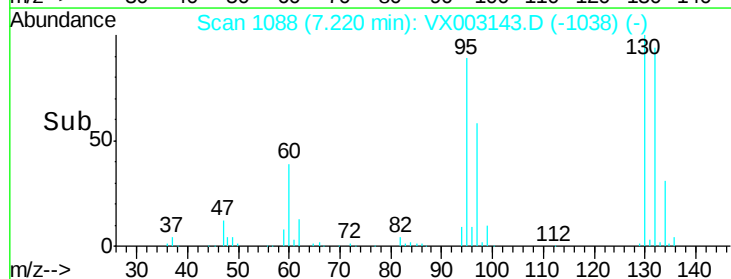
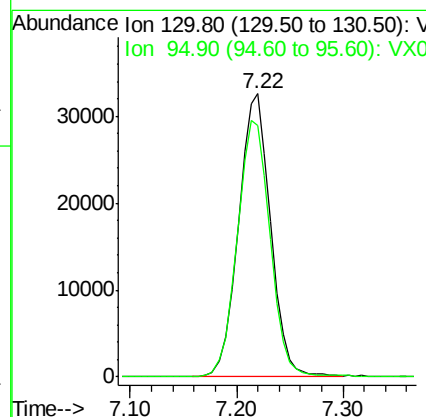
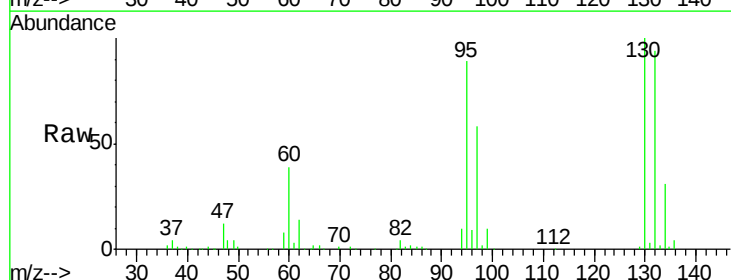
Manual Integrations
APPROVED

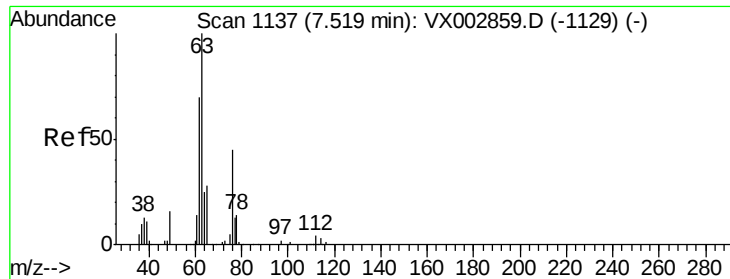
sam
7/5/2018 2:28:41 PM



#44
Trichloroethene
Concen: 20.492 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.195 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 63 Resp: 60328

Ion Ratio Lower Upper

63 100

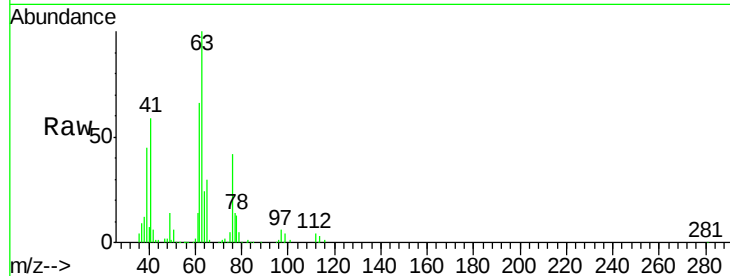
65 29.8 24.7 37.1

Manual Integrations

APPROVED

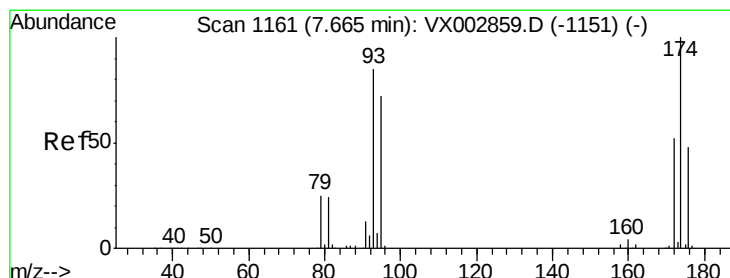
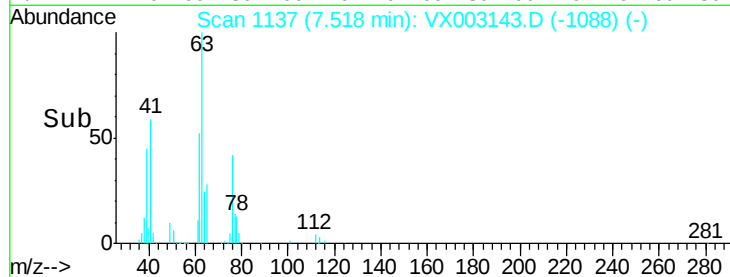
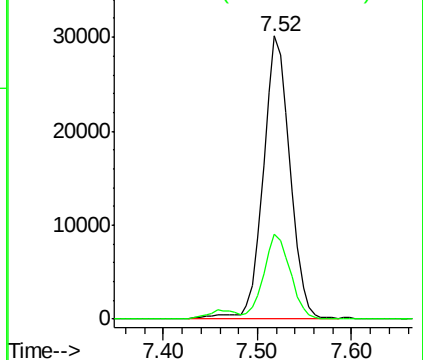
sam

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.990 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

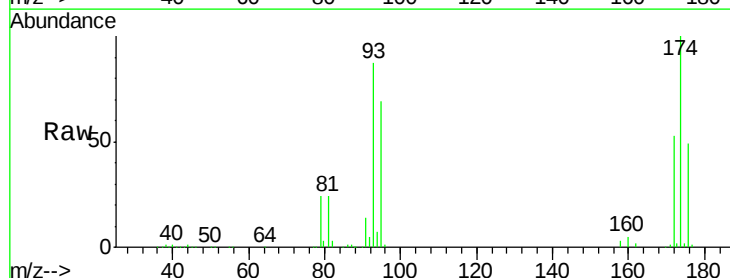
Tgt Ion: 93 Resp: 41442

Ion Ratio Lower Upper

93 100

95 81.5 65.9 98.9

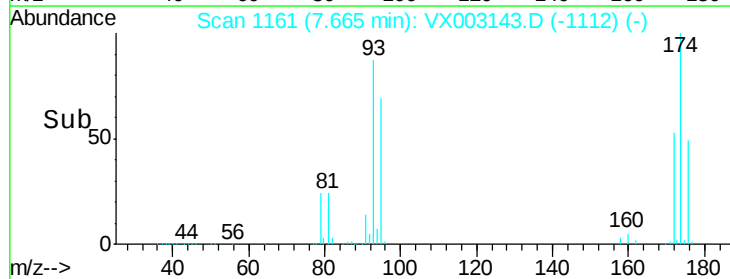
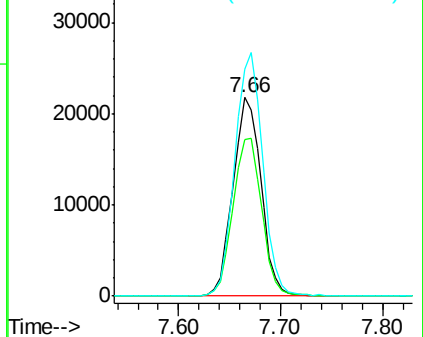
174 121.9 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





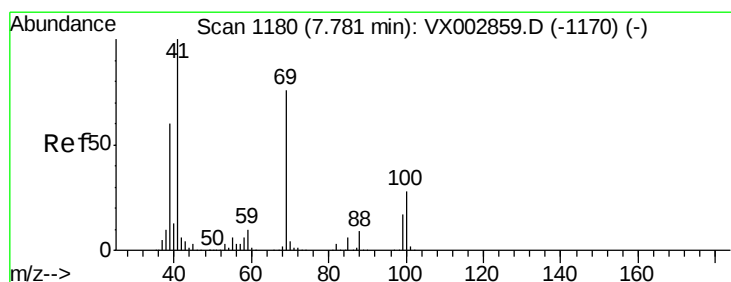
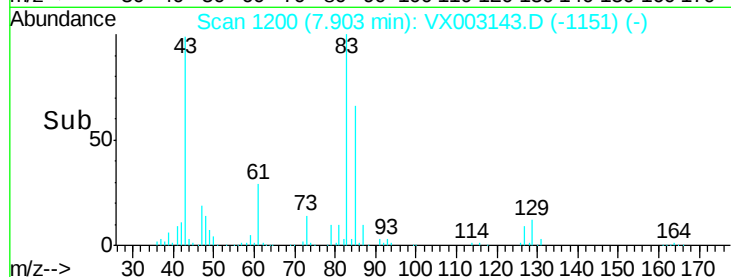
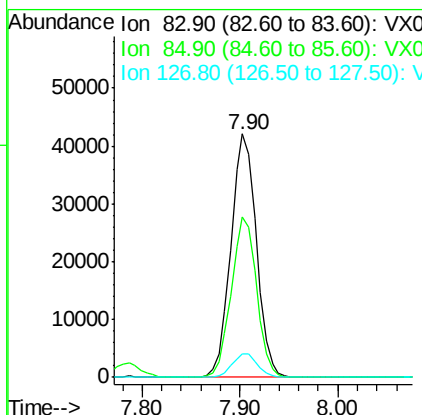
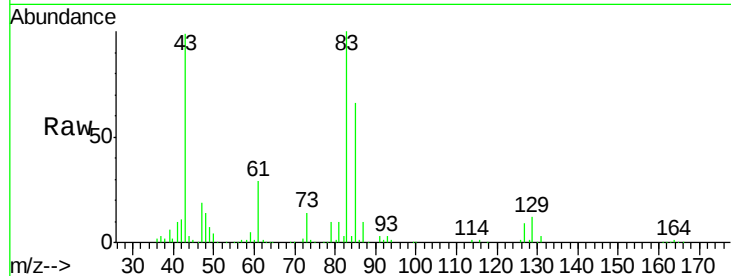
#47
Bromodichloromethane
Concen: 19.840 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.3	75.5
127	9.4	7.0	10.4

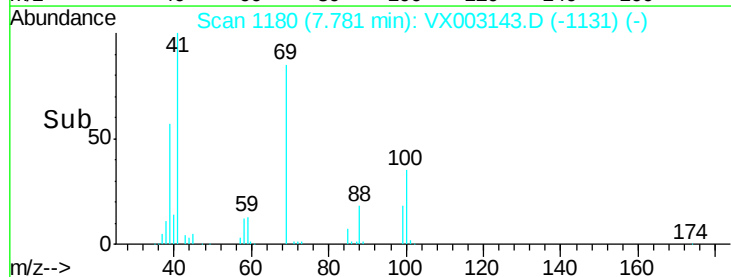
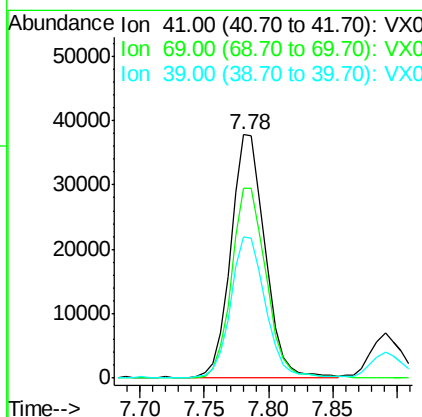
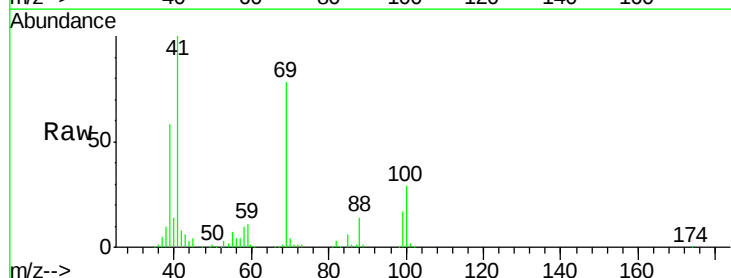
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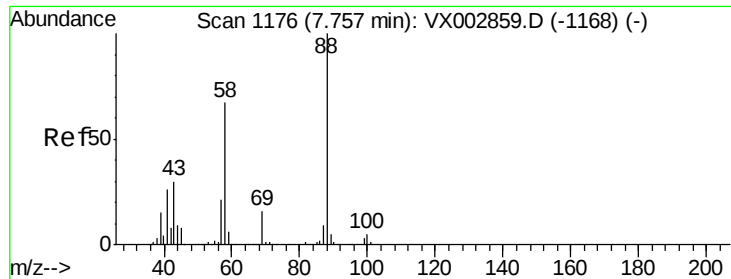
sam
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#48
Methyl methacrylate
Concen: 19.214 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.7	59.1	88.7
39	59.1	48.9	73.3





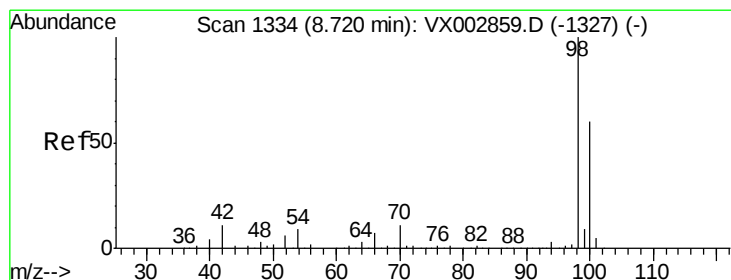
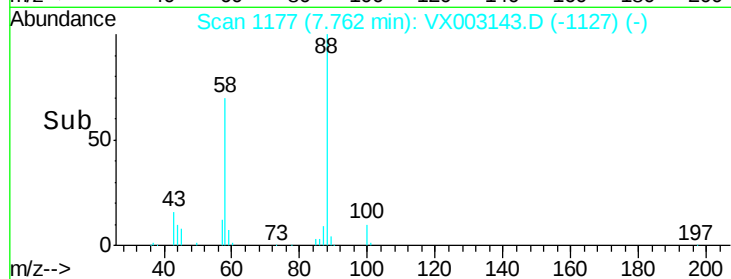
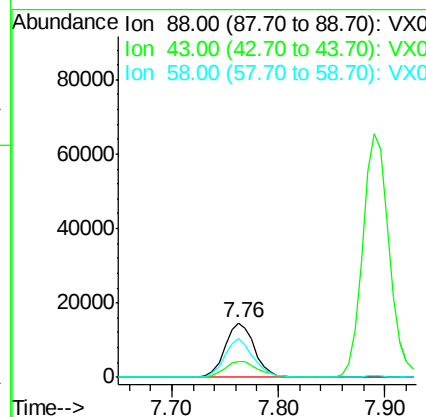
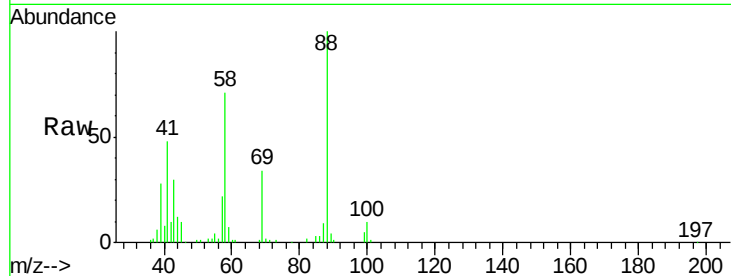
#49
1,4-Dioxane
Concen: 401.490 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.8	44.6
58	70.4	57.1	85.7

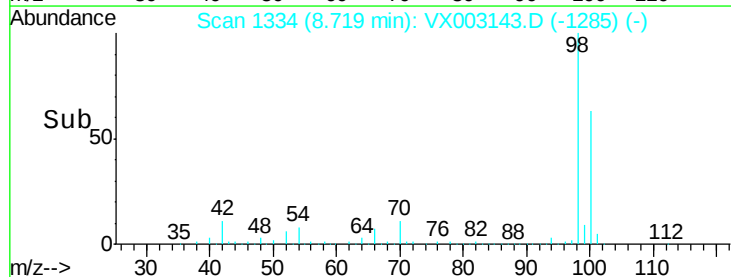
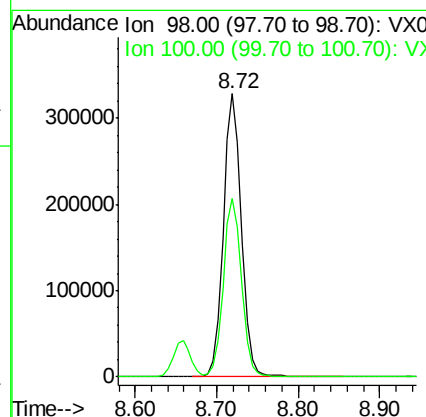
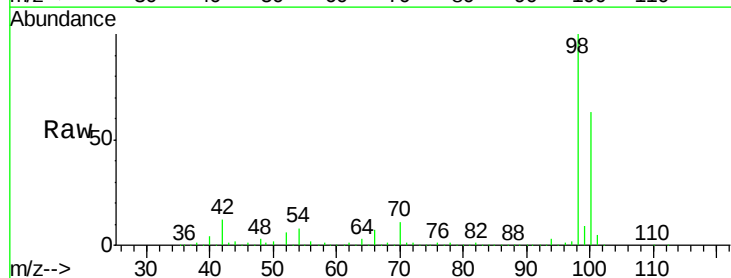
Manual Integrations
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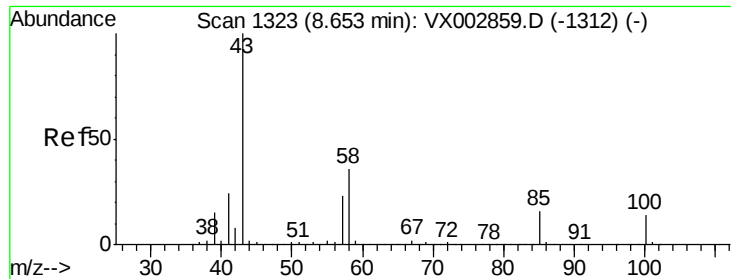
sam
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#50
Toluene-d8
Concen: 49.383 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 100.532 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 43 Resp: 440215

Ion Ratio Lower Upper

43 100

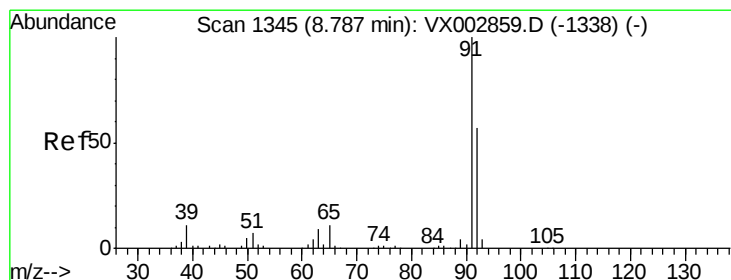
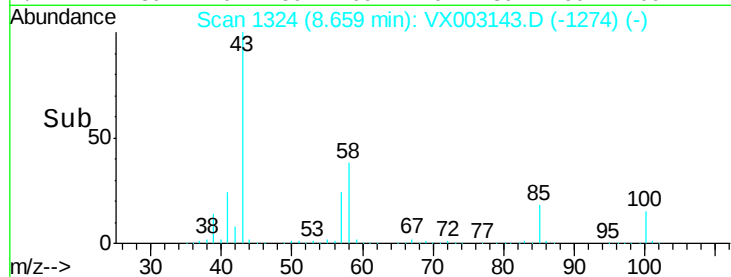
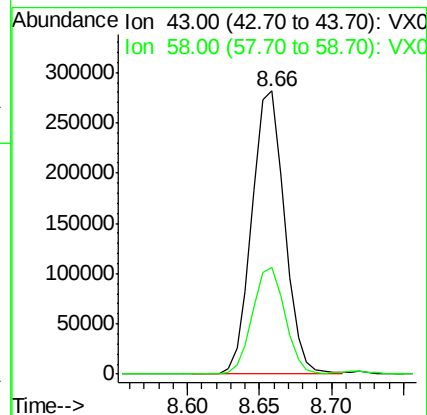
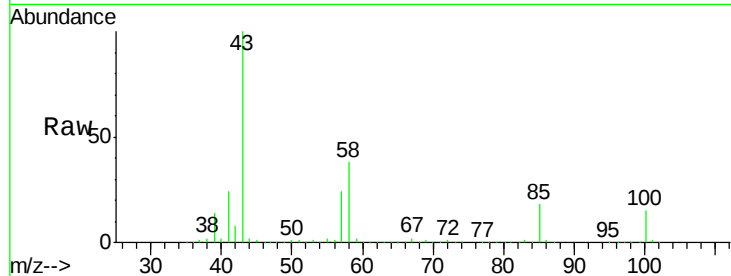
58 37.5 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 20.506 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003143.D

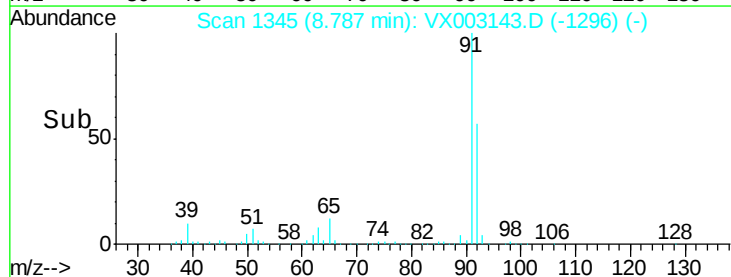
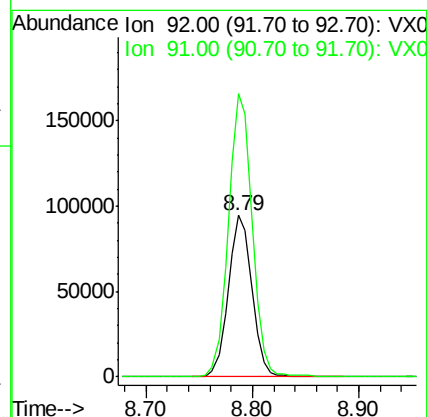
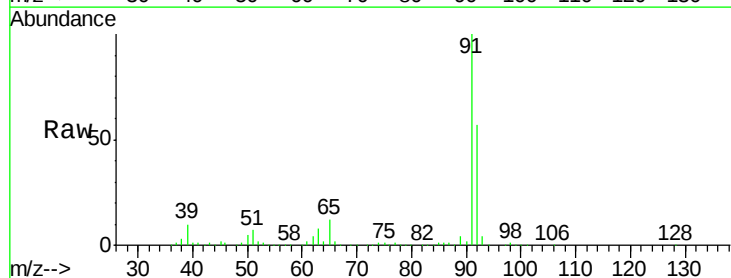
Acq: 03 Jul 2018 12:31

Tgt Ion: 92 Resp: 147934

Ion Ratio Lower Upper

92 100

91 175.8 140.4 210.6





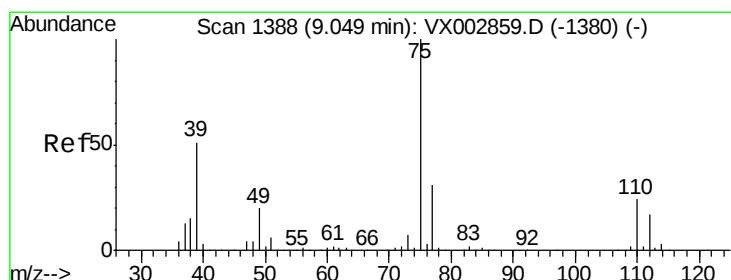
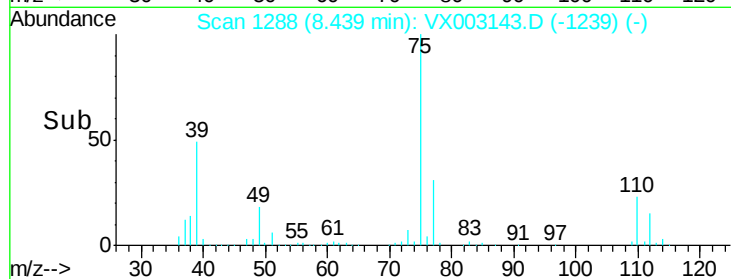
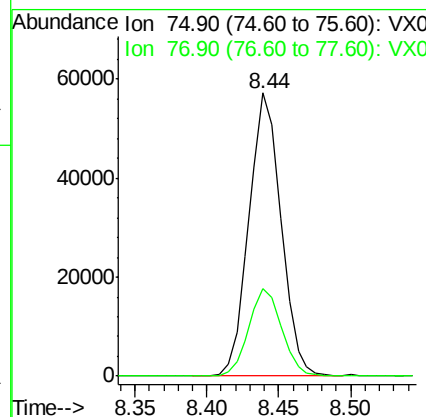
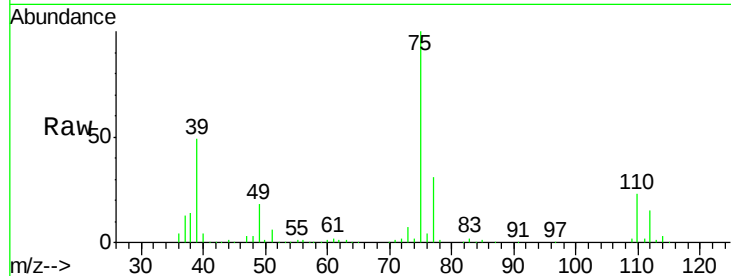
#53
t-1,3-Dichloropropene
Concen: 20.317 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion: 75 Resp: 88184
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

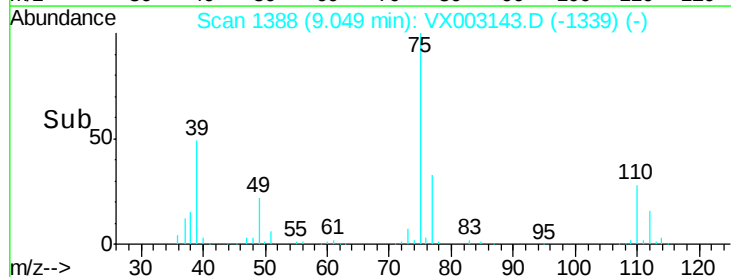
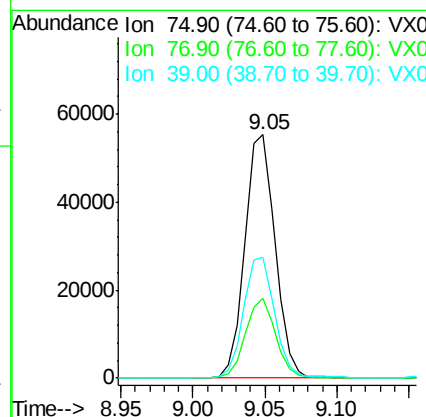
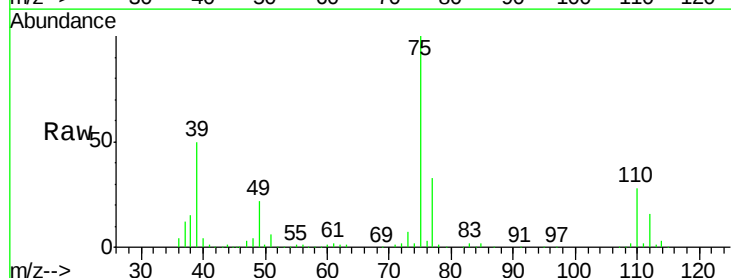
Manual Integrations
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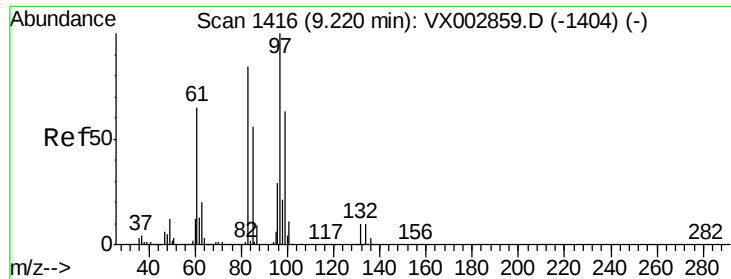
sam
7/5/2018 2:28:41 PM



#54
cis-1,3-Dichloropropene
Concen: 19.221 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion: 75 Resp: 80275
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 49.5 42.4 63.6





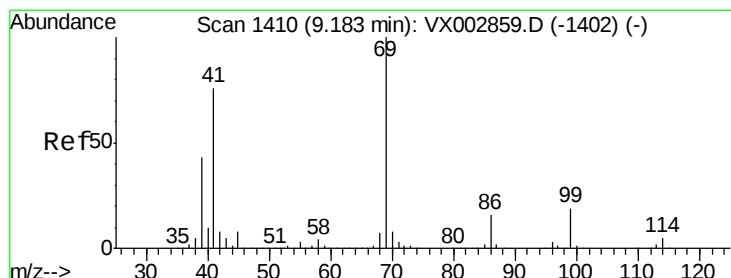
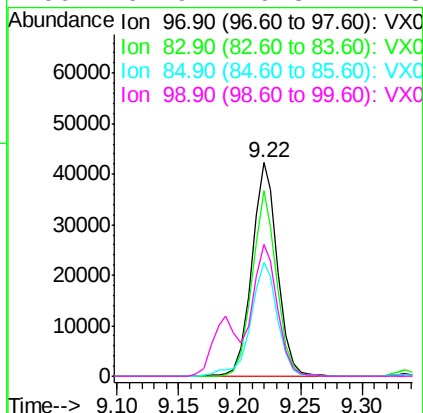
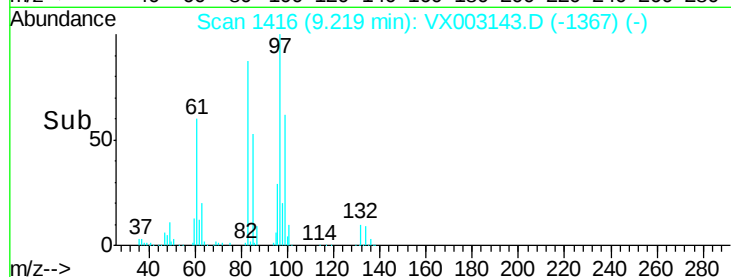
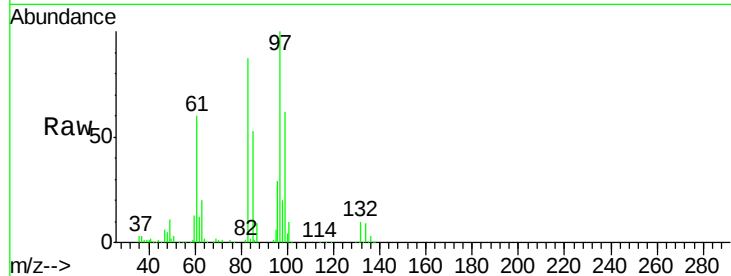
#55
 1,1,2-Trichloroethane
 Concen: 20.657 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion:	97	Resp:	61239
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.2
85	53.3	44.9	67.3
99	61.9	49.8	74.8

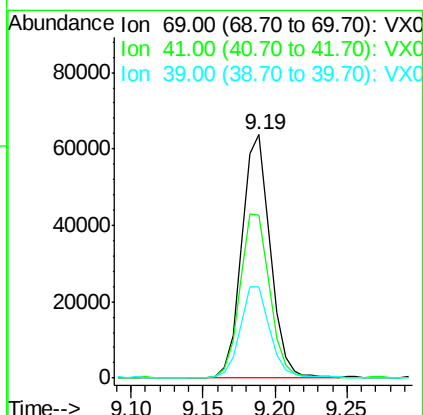
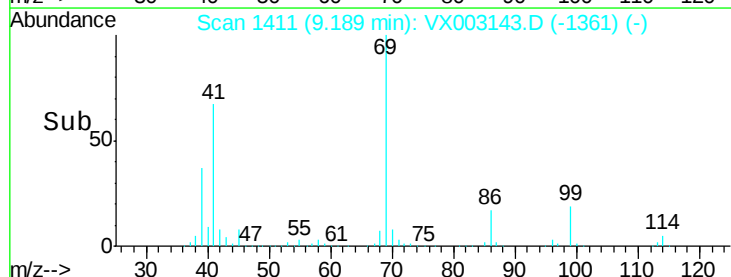
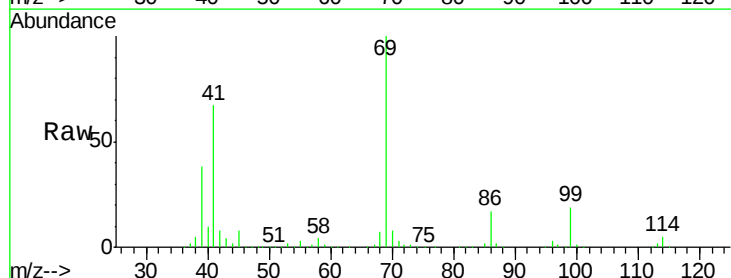
Manual Integrations
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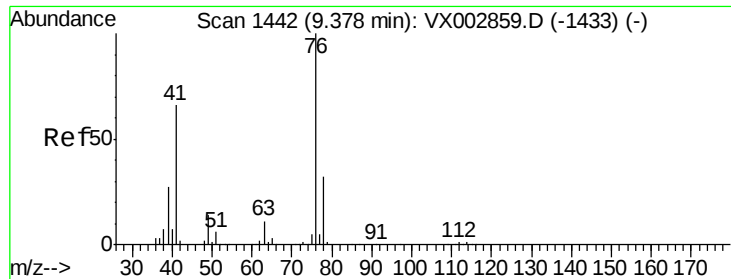
sam
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#56
 Ethyl methacrylate
 Concen: 20.131 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion:	69	Resp:	87221
Ion	Ratio	Lower	Upper
69	100		
41	70.4	60.3	90.5
39	39.2	35.8	53.8





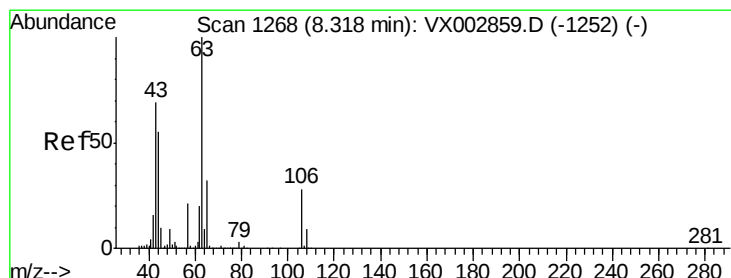
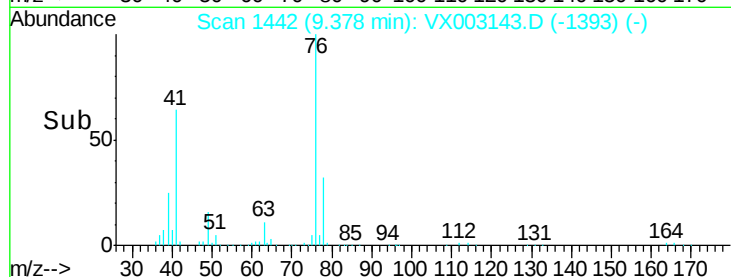
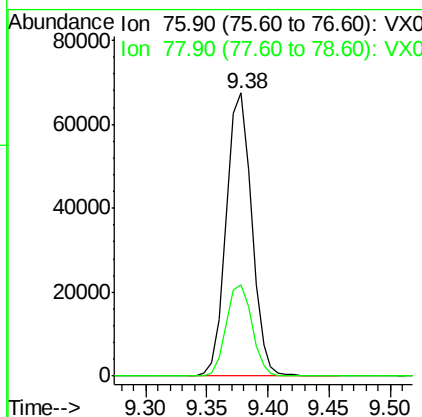
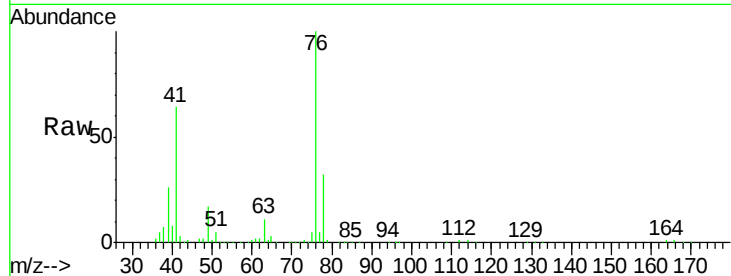
#57
 1,3-Dichloropropane
 Concen: 19.981 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

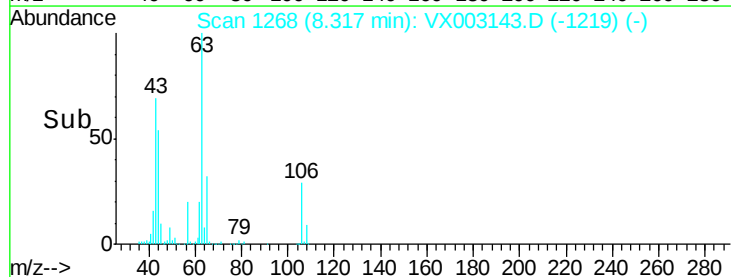
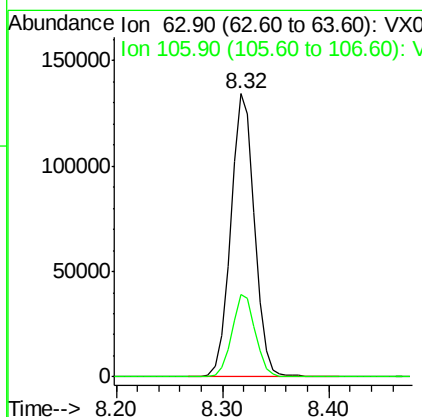
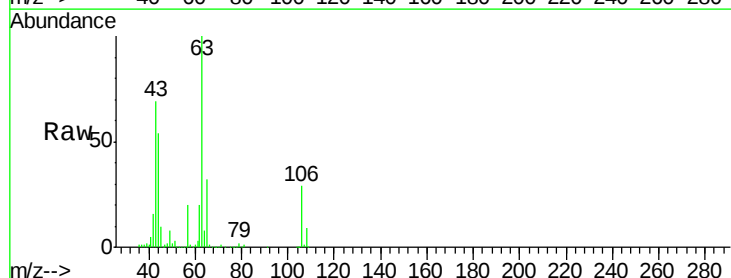
Manual Integrations
 APPROVED

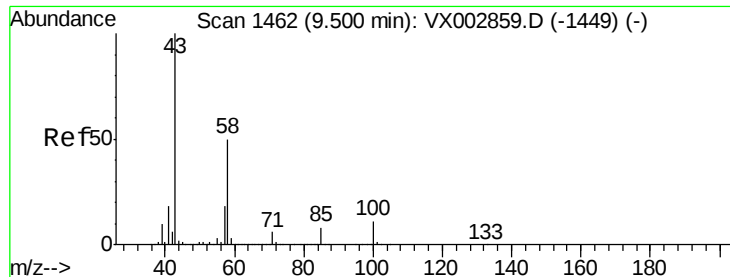
sam
 7/5/2018 2:28:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.671 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.8





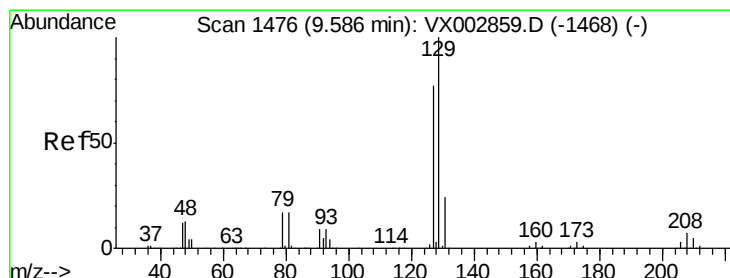
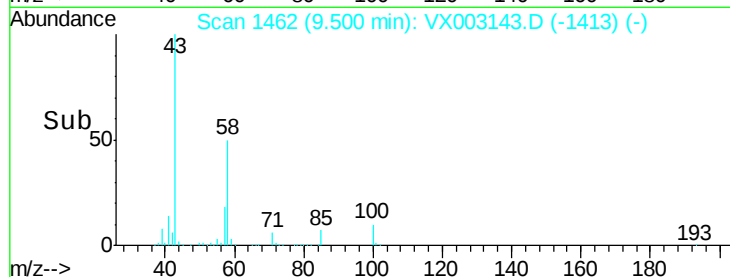
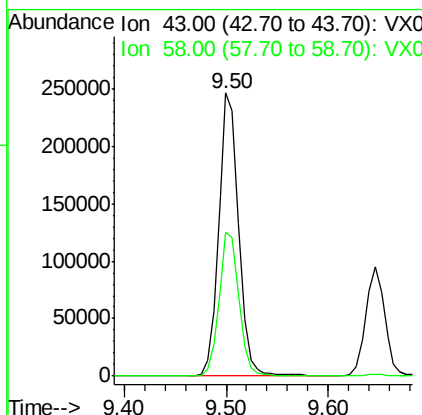
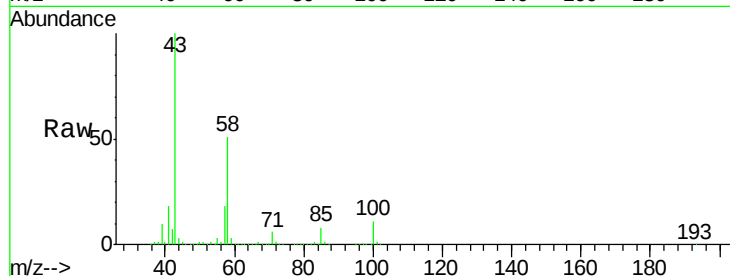
#59
2-Hexanone
Concen: 101.227 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion: 43 Resp: 336880
Ion Ratio Lower Upper
43 100
58 51.3 24.6 73.6

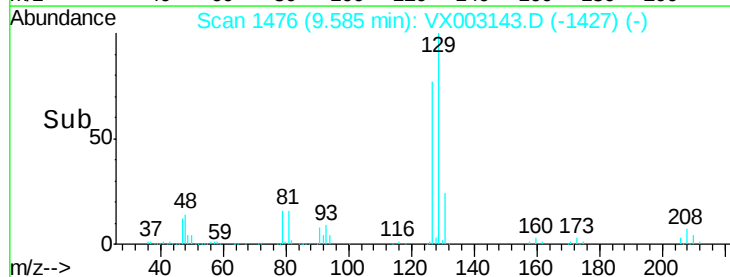
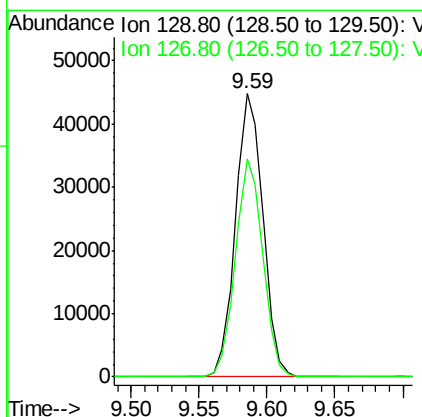
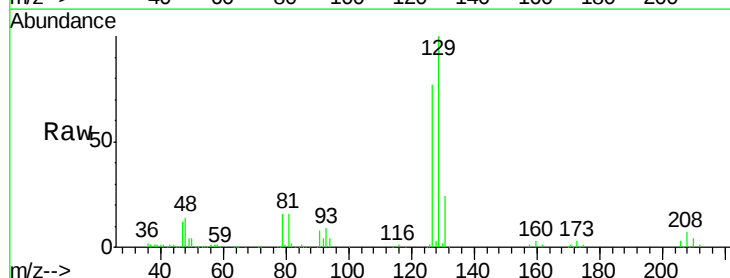
Manual Integrations
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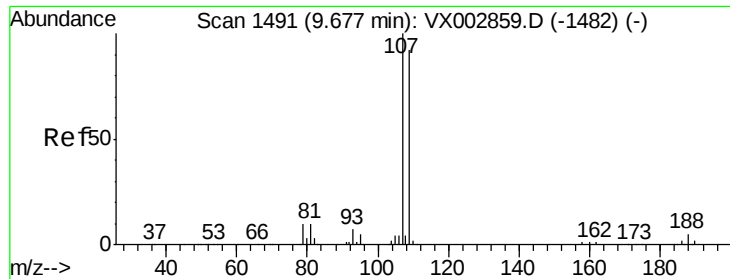
sam
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#60
Dibromochloromethane
Concen: 20.175 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion: 129 Resp: 62960
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





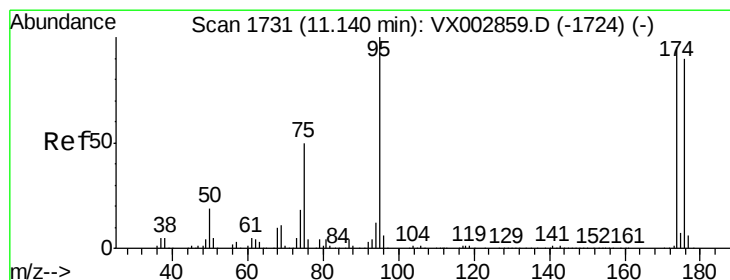
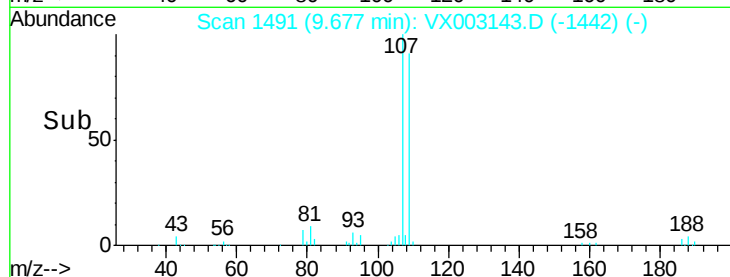
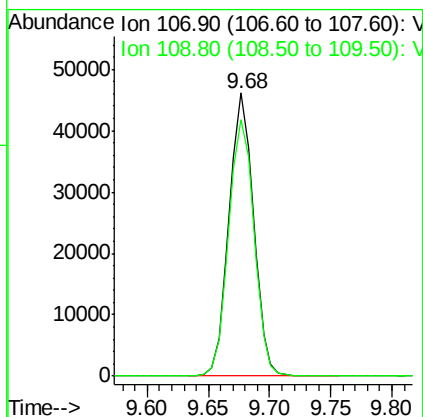
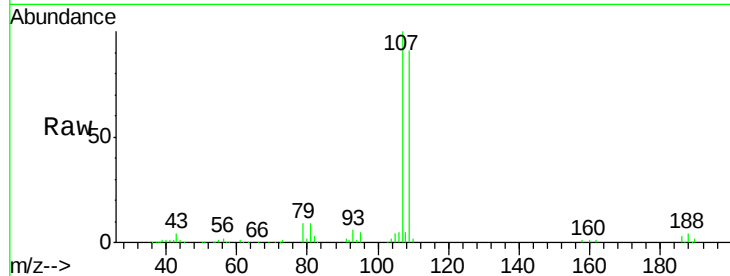
#61
 1,2-Dibromoethane
 Concen: 20.568 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

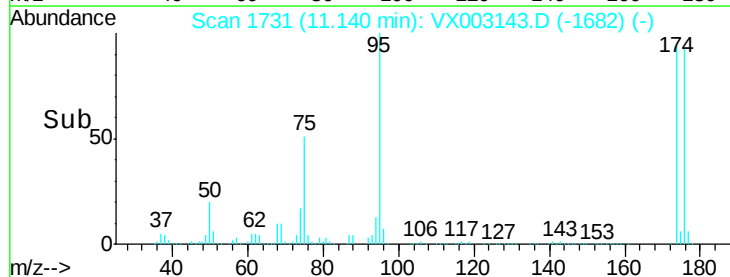
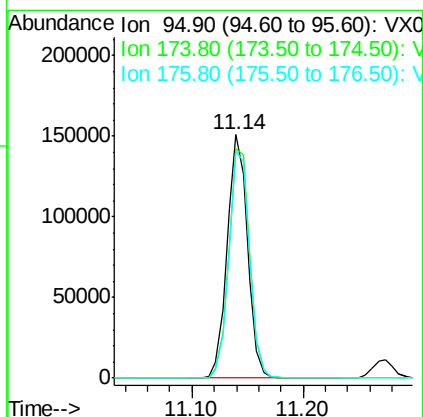
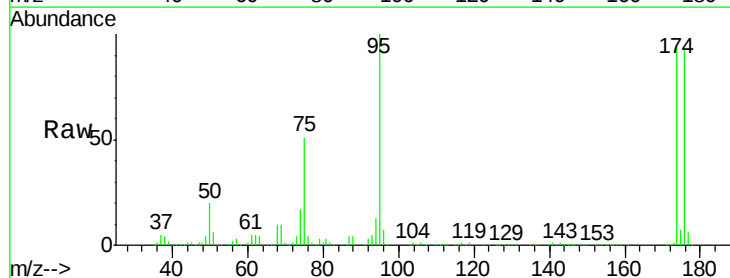
Manual Integrations
 APPROVED

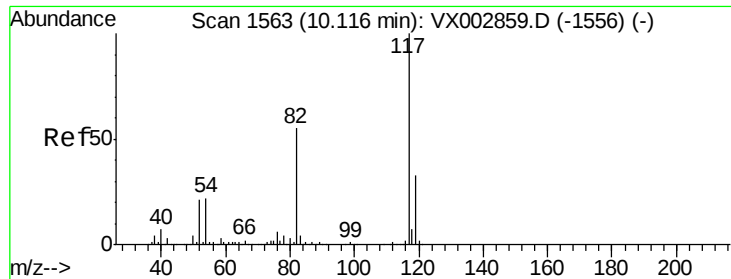
sam
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#62
 4-Bromofluorobenzene
 Concen: 48.233 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	187.4
176	95.0	0.0	181.0





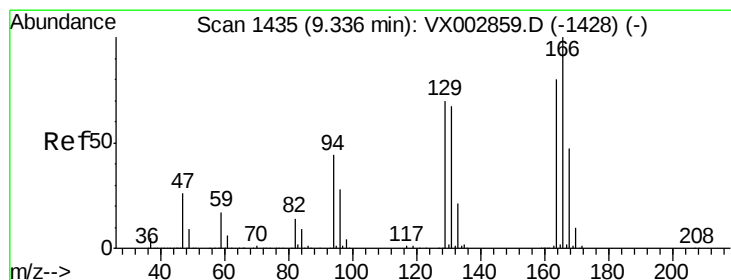
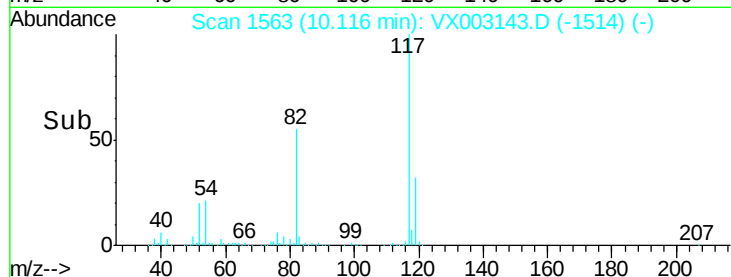
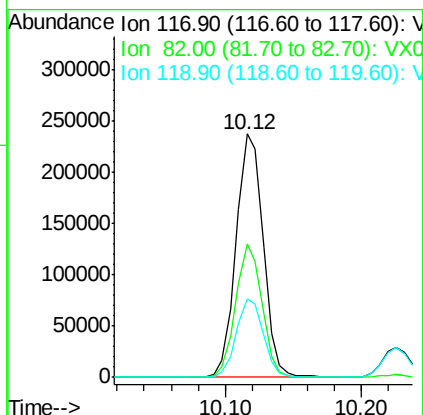
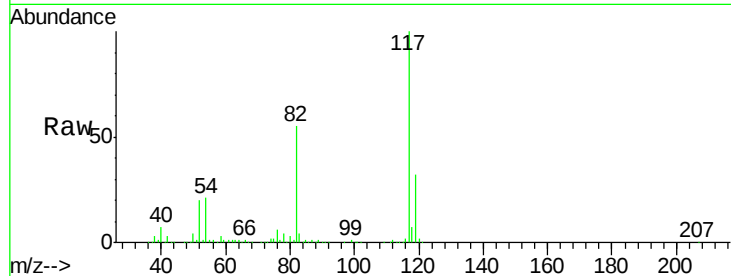
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.0	45.0	67.4	
119	32.4	25.8	38.6	

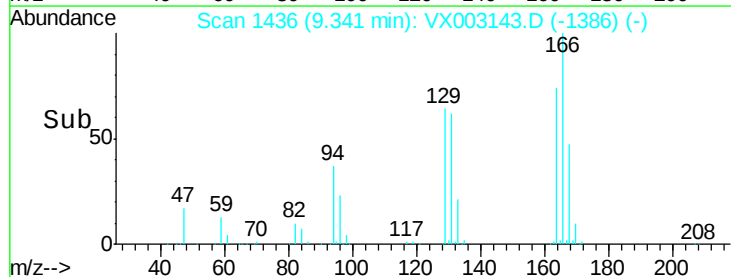
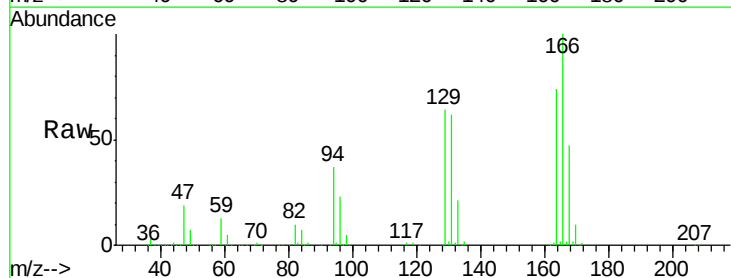
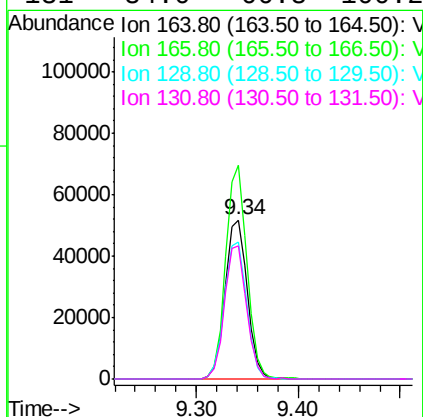
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.253 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	134.5	102.9	154.3	
129	86.2	68.6	102.8	
131	84.0	66.8	100.2	





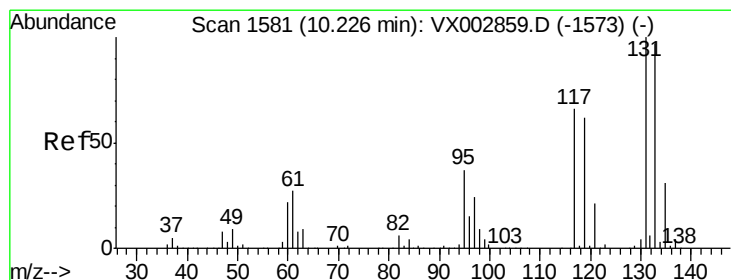
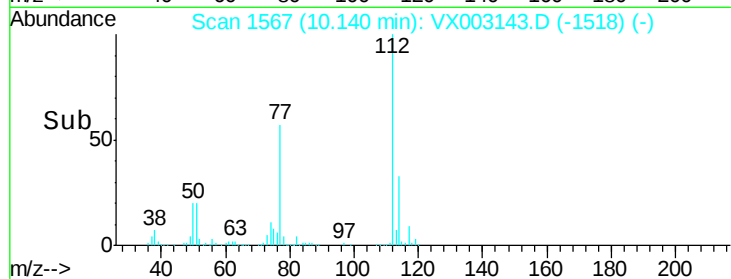
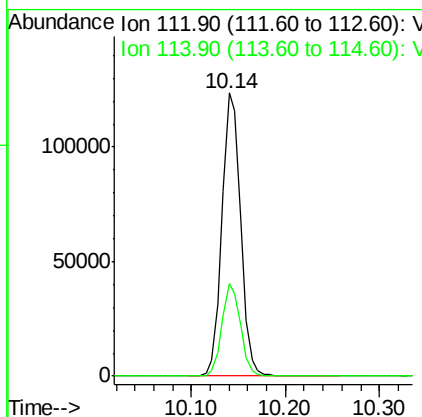
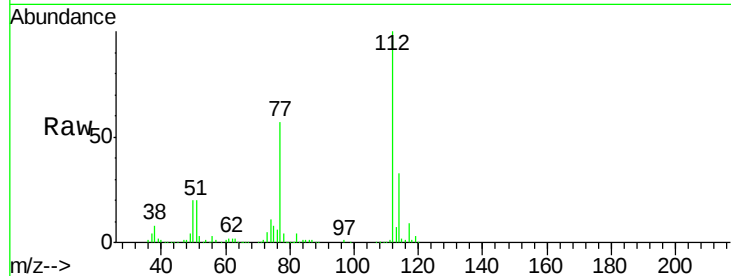
#65
Chlorobenzene
Concen: 20.325 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion:112 Resp: 170269
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

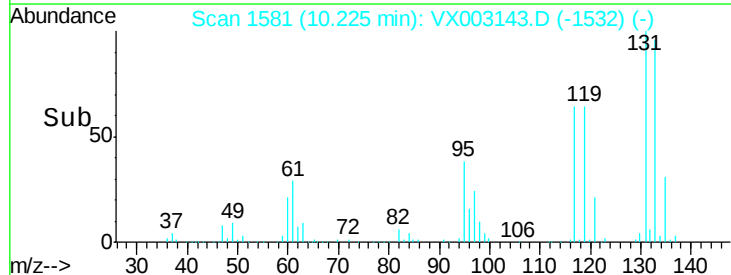
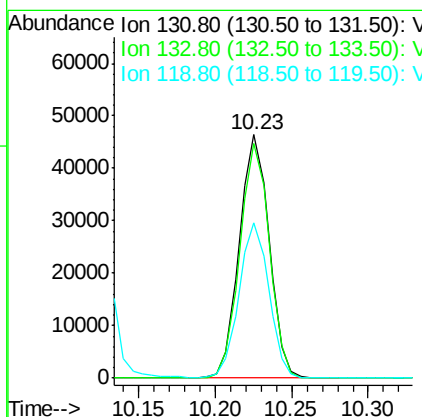
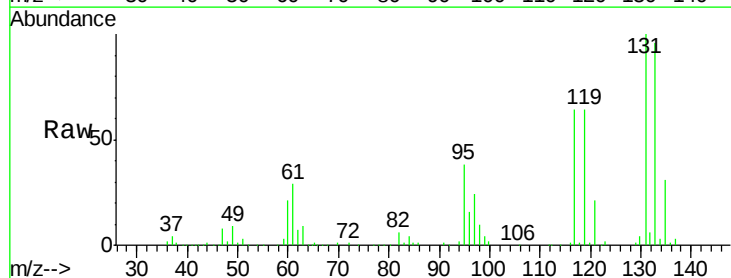
Manual Integrations
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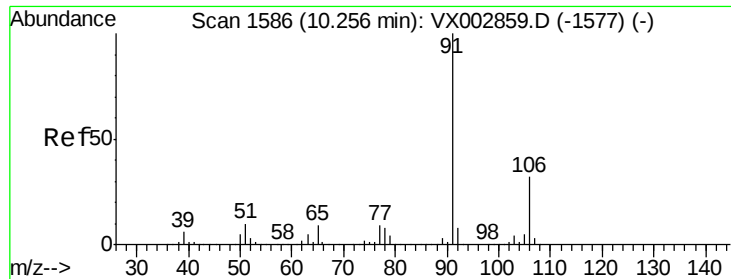
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.620 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion:131 Resp: 62751
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.6
119 64.3 31.8 95.3





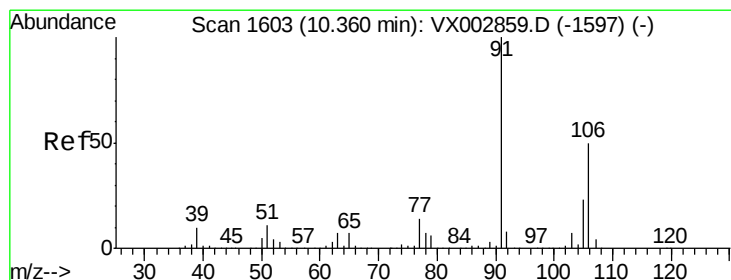
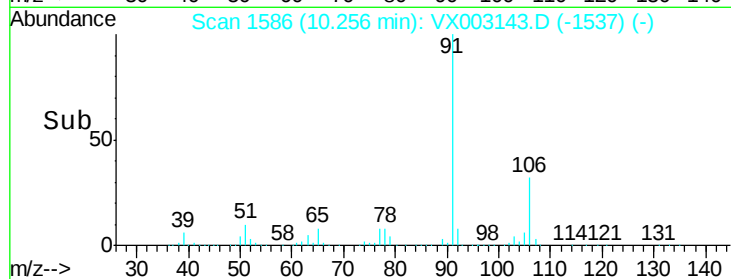
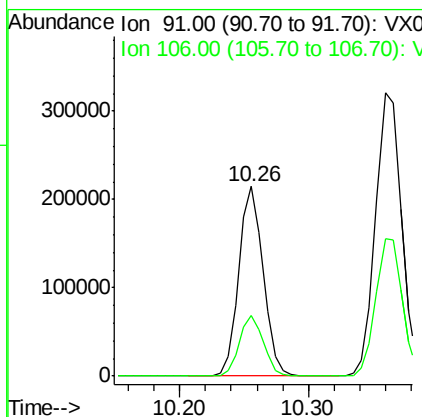
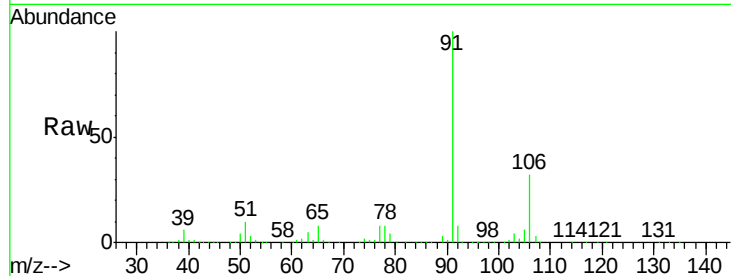
#67
Ethyl Benzene
Concen: 20.423 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion: 91 Resp: 282631
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3

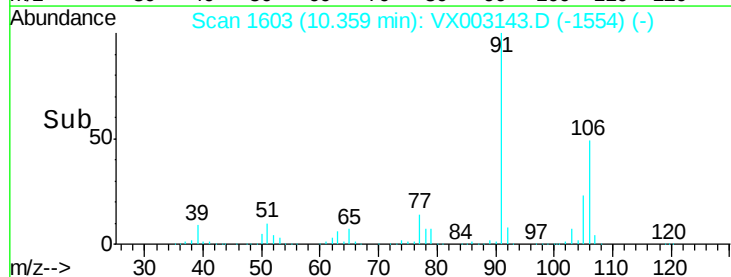
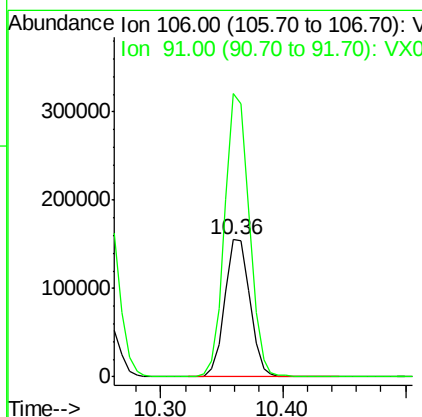
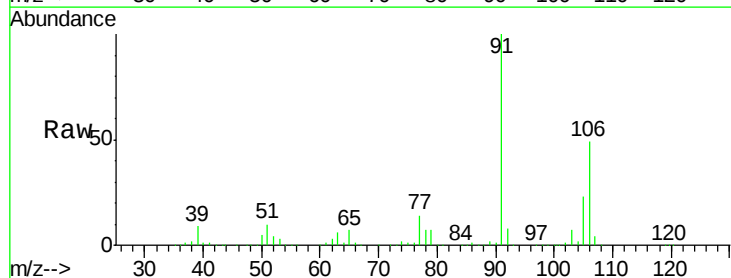
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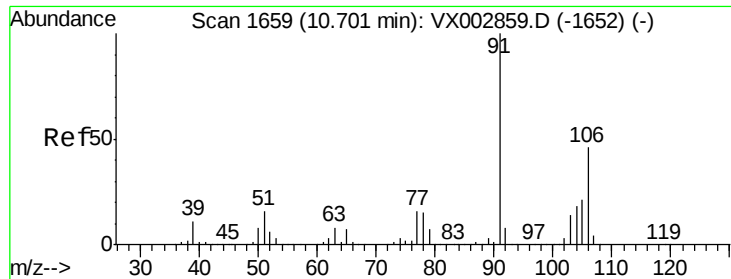
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#68
m/p-Xylenes
Concen: 41.366 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion: 106 Resp: 220626
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2





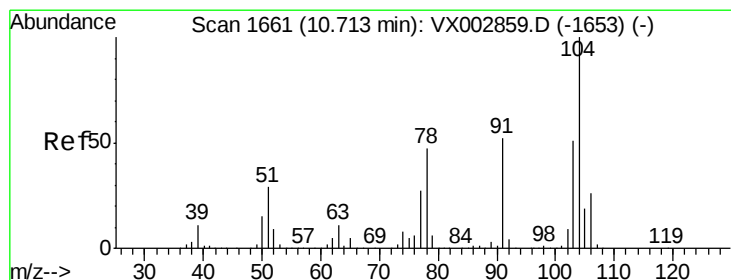
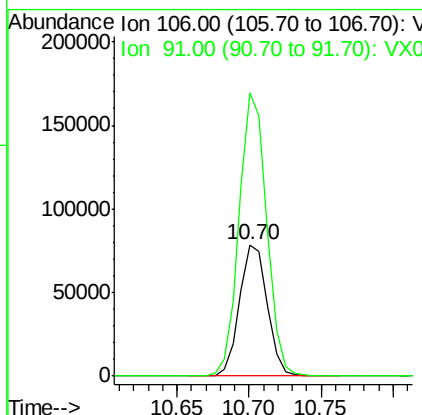
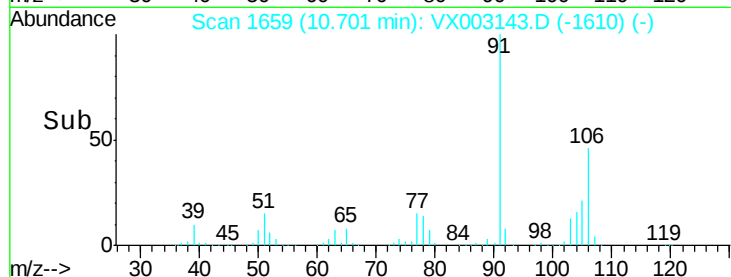
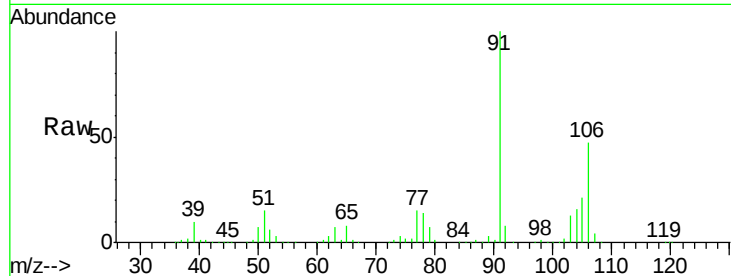
#69
o-Xylene
Concen: 20.357 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion:106 Resp: 105717
Ion Ratio Lower Upper
106 100
91 213.8 108.2 324.6

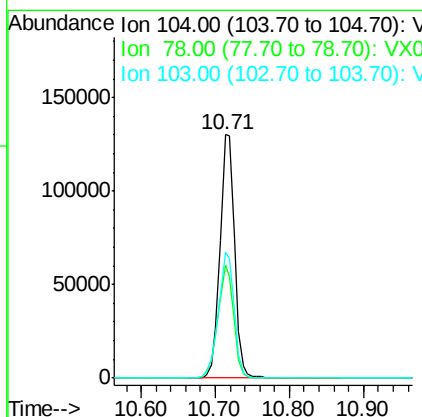
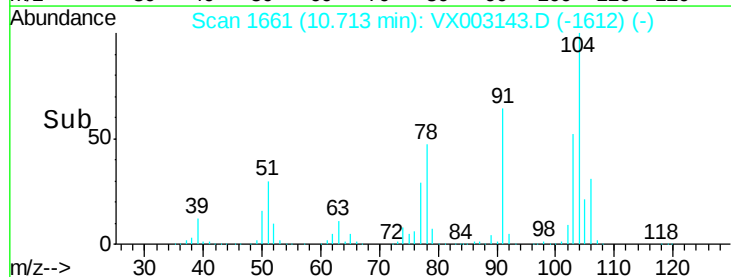
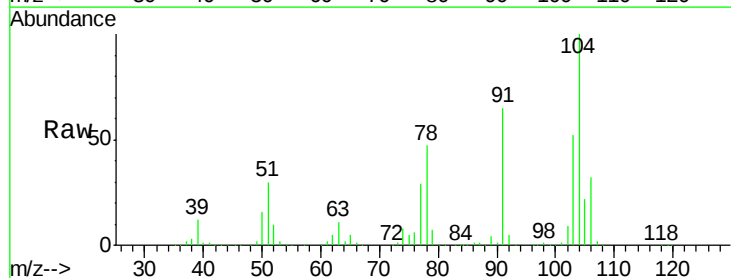
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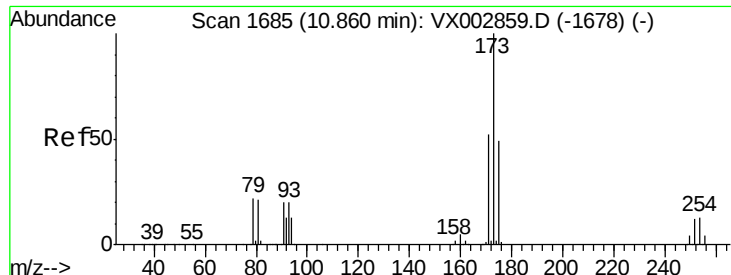
sam
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#70
Styrene
Concen: 20.902 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion:104 Resp: 176383
Ion Ratio Lower Upper
104 100
78 49.7 41.0 61.6
103 55.5 44.2 66.4





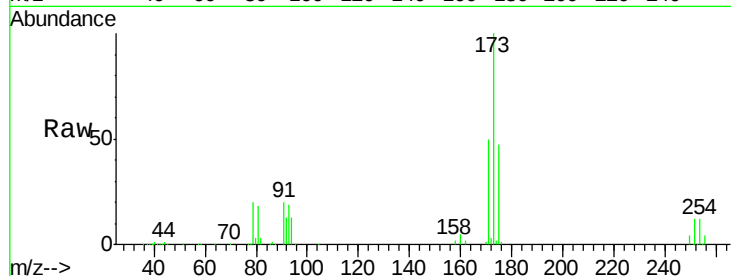
#71
Bromoform
Concen: 20.157 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

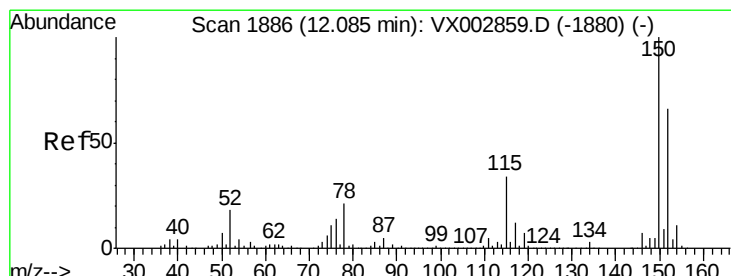
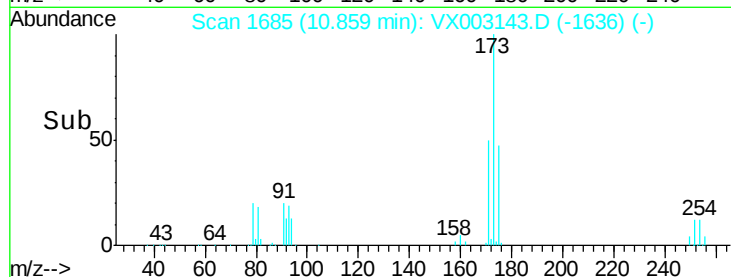
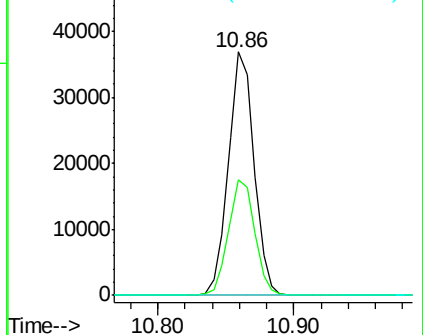
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.2	0.2

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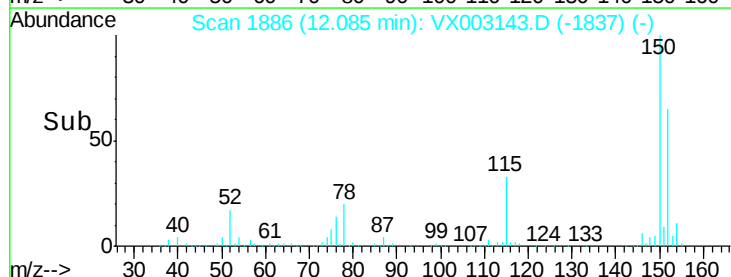
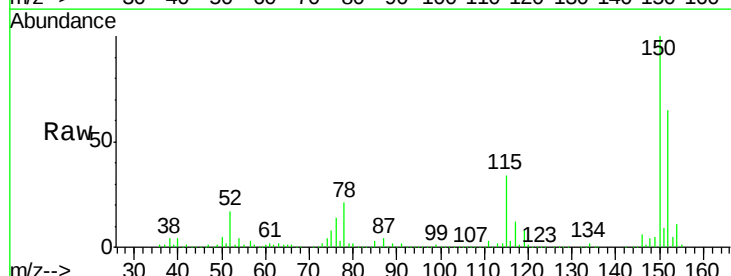
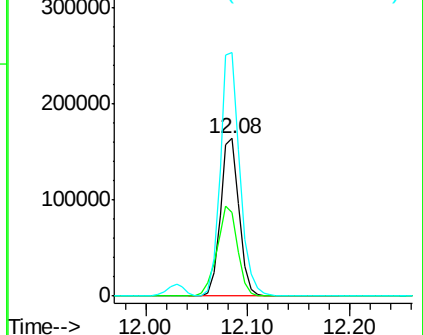
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

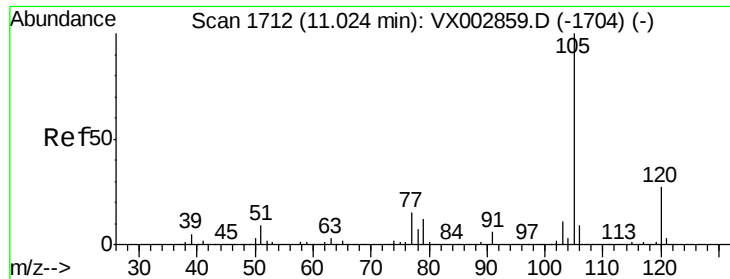


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	40.1	120.2
150	162.9	0.0	347.2

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





#73

Isopropylbenzene

Concen: 20.766 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 105 Resp: 290981

Ion Ratio Lower Upper

105 100

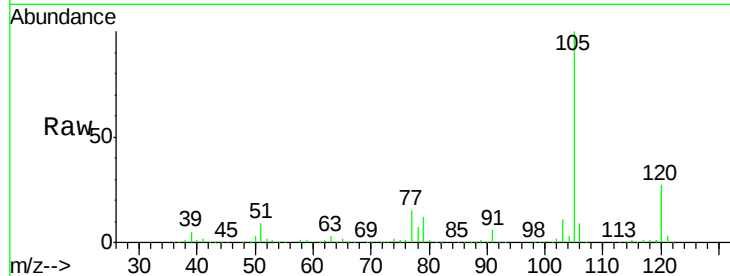
120 27.2 13.5 40.4

Manual Integrations

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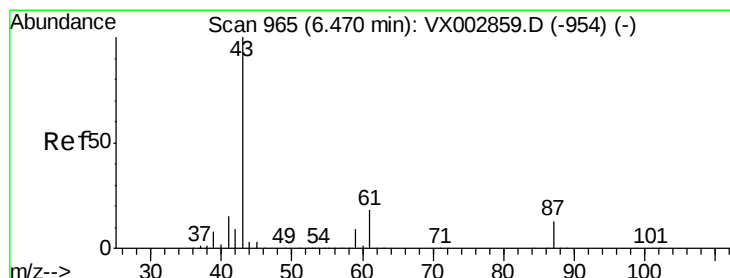
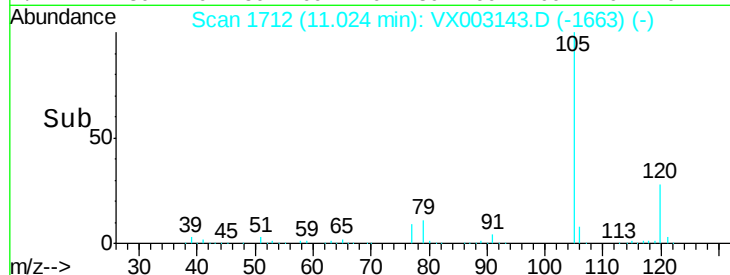
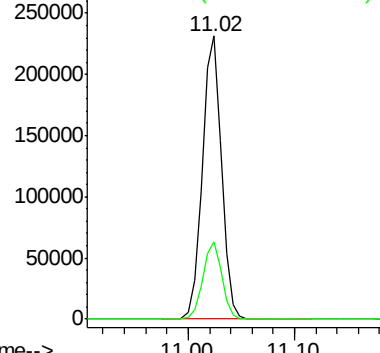
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.026 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion: 43 Resp: 137299

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

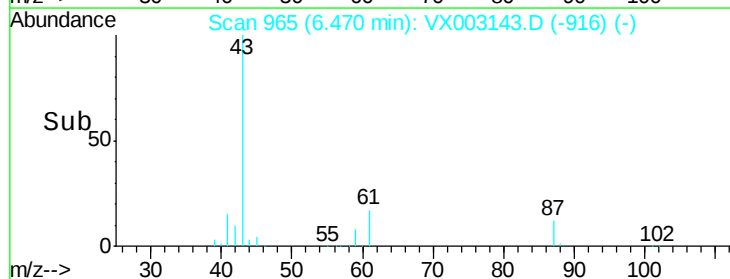
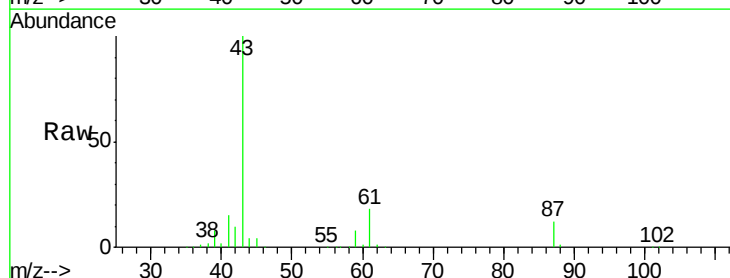
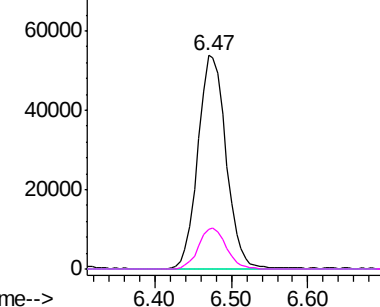
61 19.0 14.4 21.6

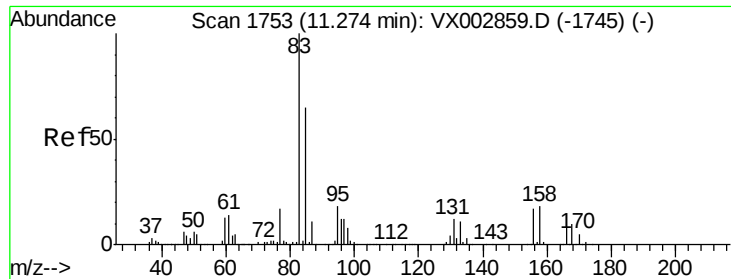
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.638 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

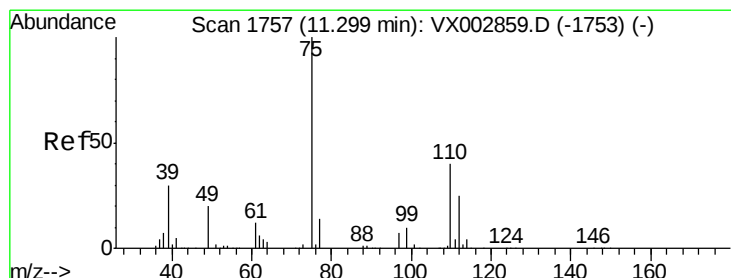
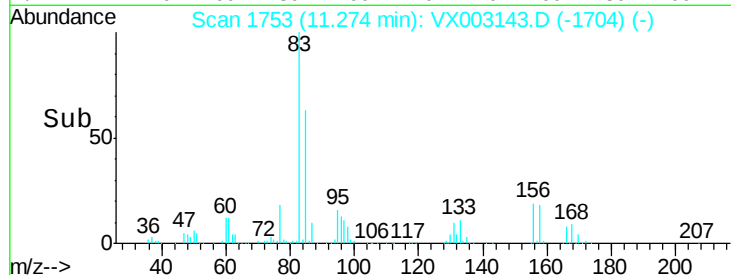
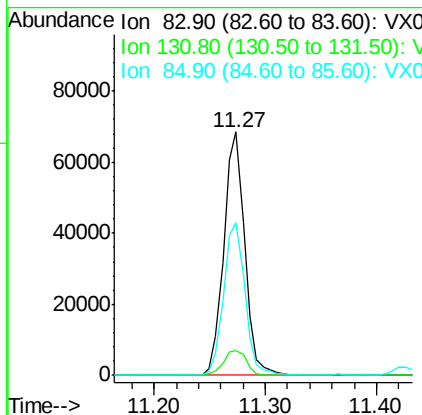
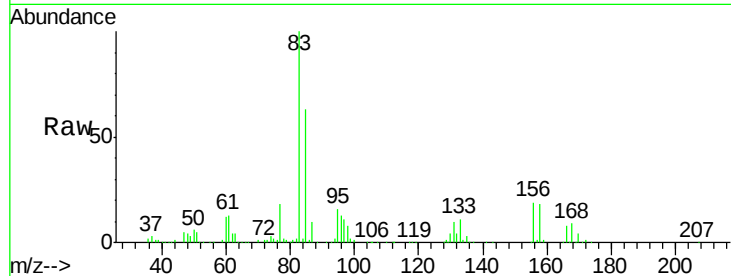
ClientSampled :

VX0703WBS01

Tot Ion:	83	Resp:	89083
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.201 ug/l m

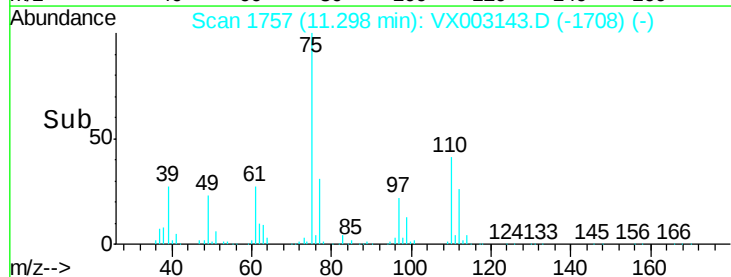
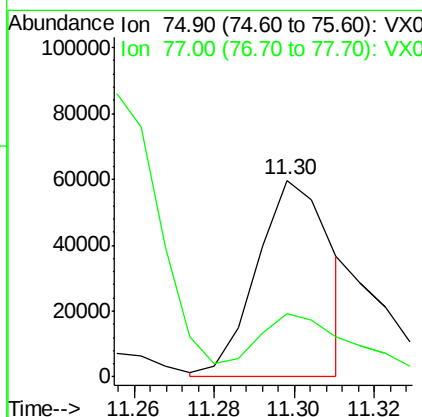
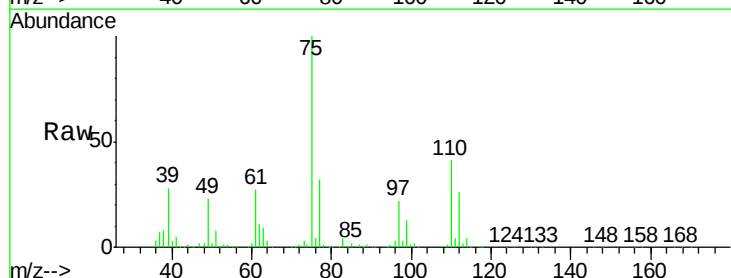
RT: 11.30 min Scan# 1757

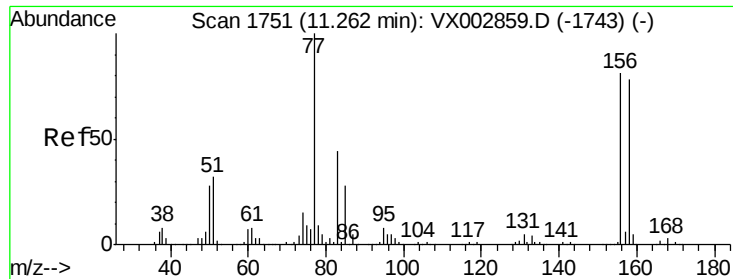
Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion:	75	Resp:	76218
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.8	68.3





#77

Bromobenzene

Concen: 20.318 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:156 Resp: 81076

Ion Ratio Lower Upper

156 100

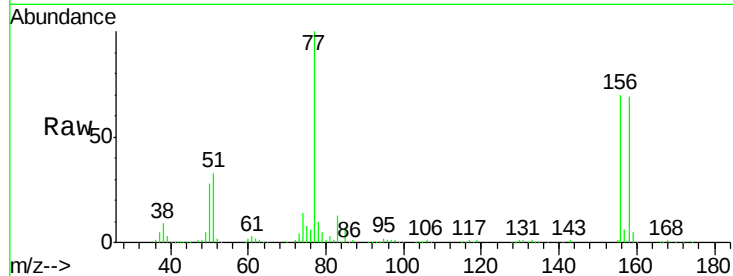
77 135.8 71.4 214.2

158 98.3 48.9 146.6

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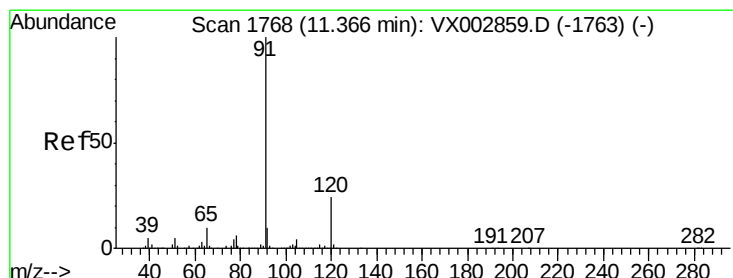
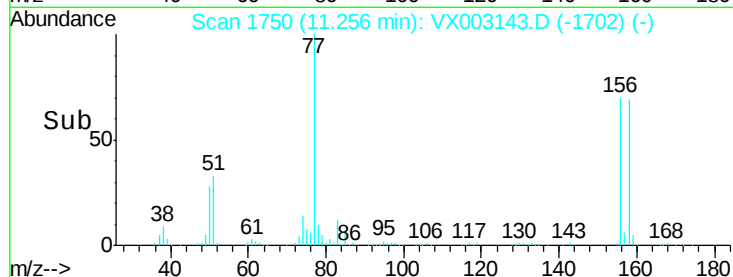
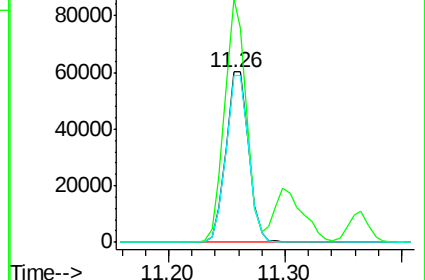
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.611 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003143.D

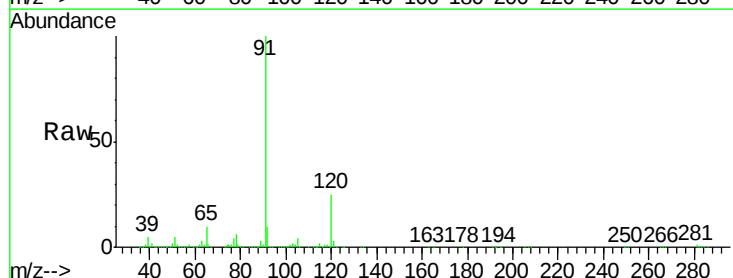
Acq: 03 Jul 2018 12:31

Tgt Ion: 91 Resp: 328746

Ion Ratio Lower Upper

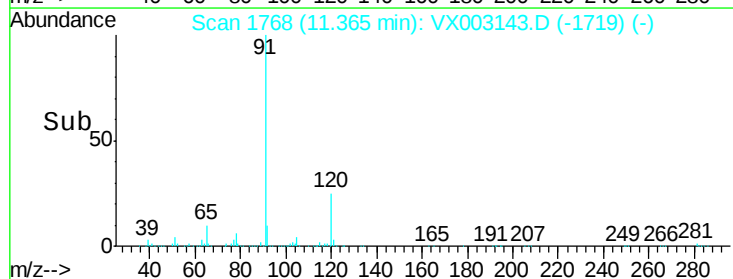
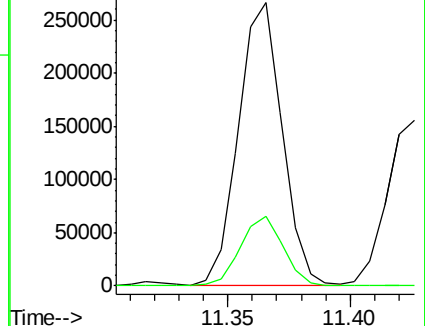
91 100

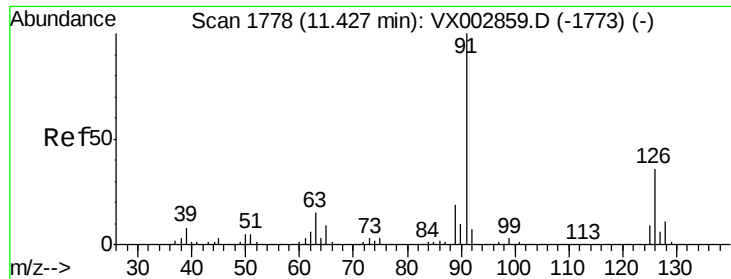
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.283 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 91 Resp: 195862

Ion Ratio Lower Upper

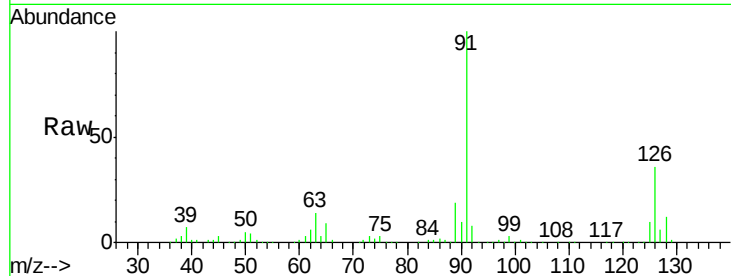
91 100

126 35.8 17.7 53.1

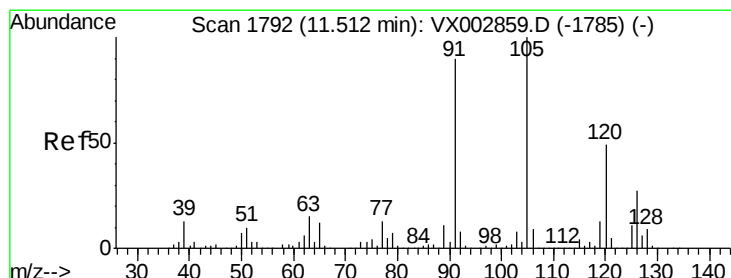
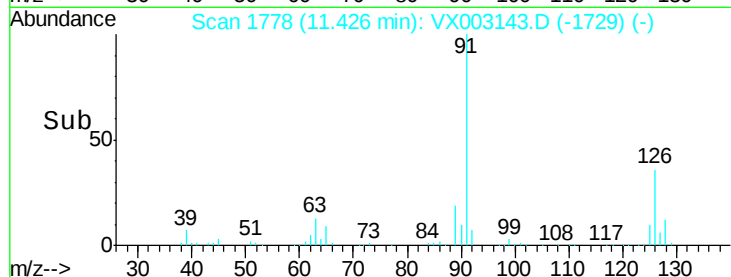
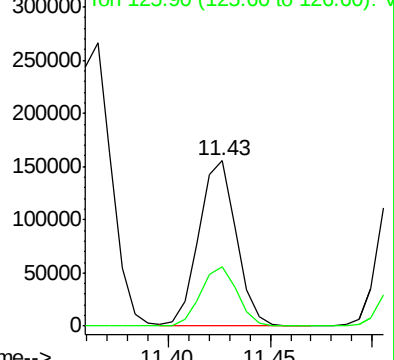
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.487 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003143.D

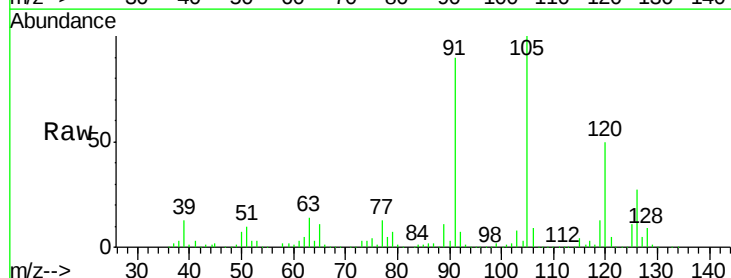
Acq: 03 Jul 2018 12:31

Tgt Ion: 105 Resp: 241787

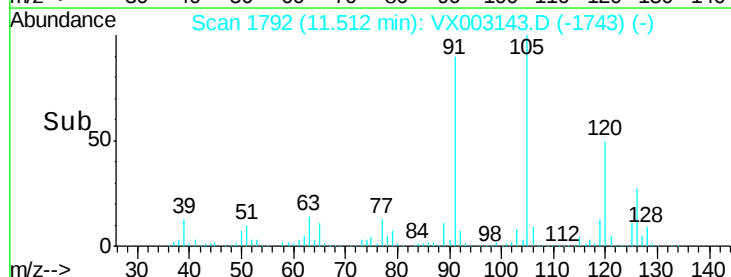
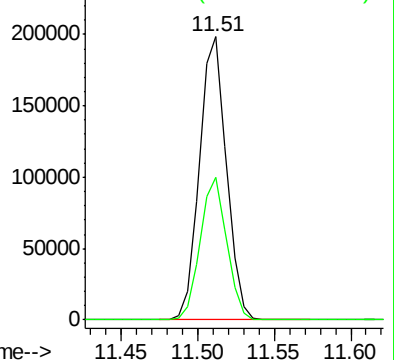
Ion Ratio Lower Upper

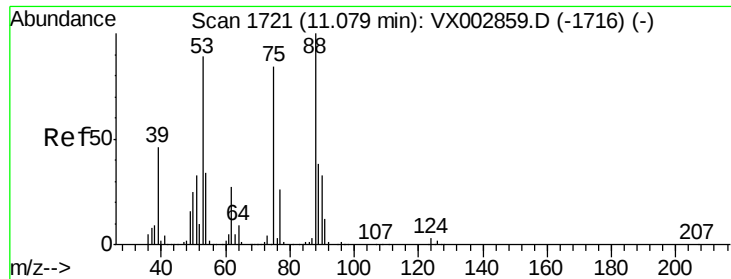
105 100

120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)





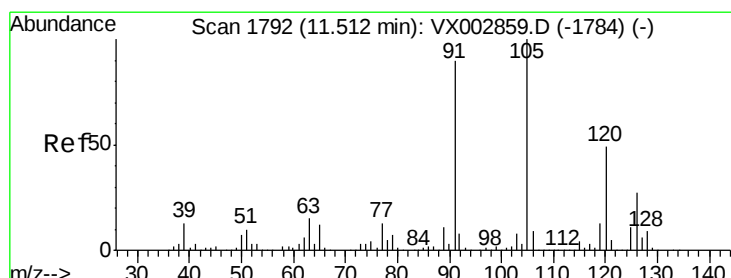
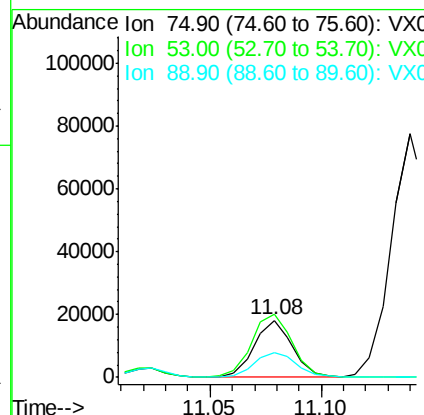
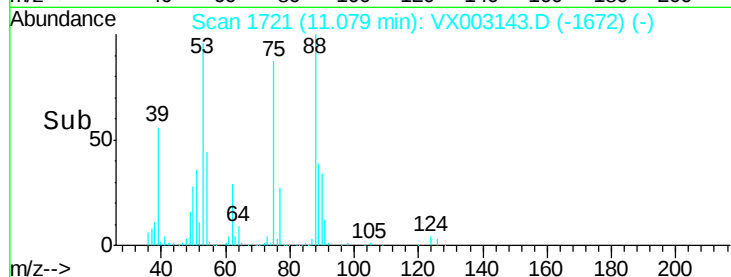
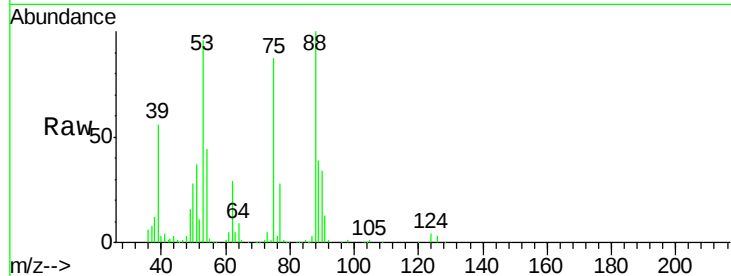
#81
trans-1,4-Dichloro-2-butene
Concen: 18.725 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.7	86.8	130.2
89	49.1	38.2	57.2

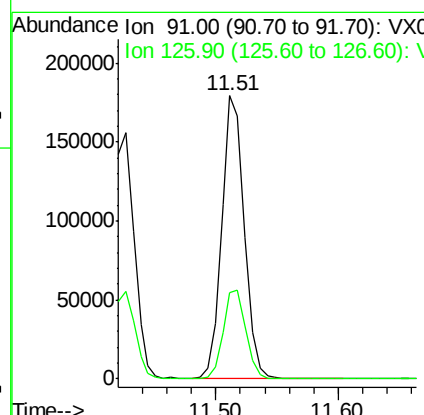
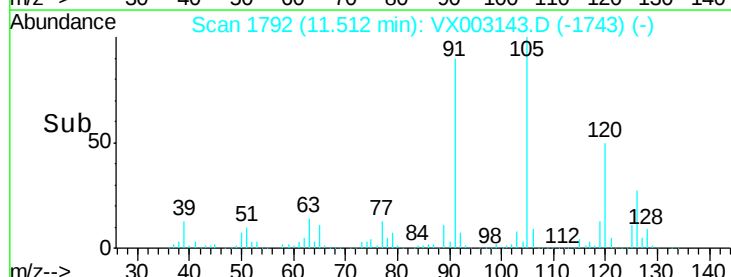
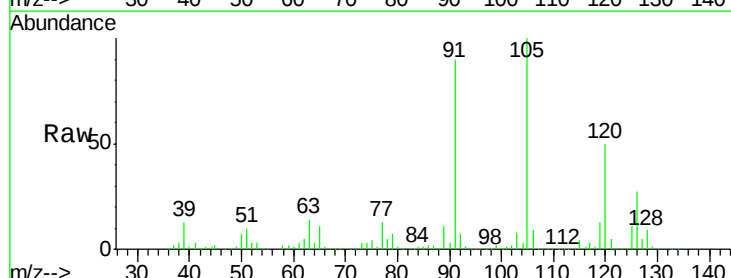
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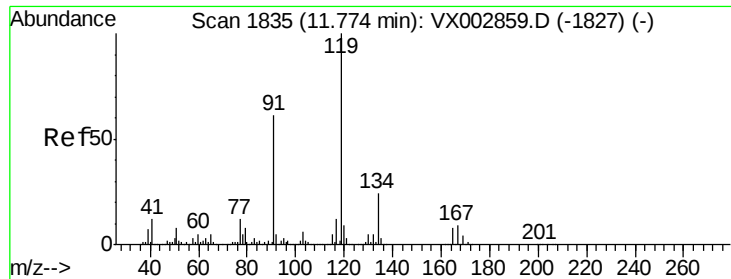
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#82
4-Chlorotoluene
Concen: 20.120 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.4





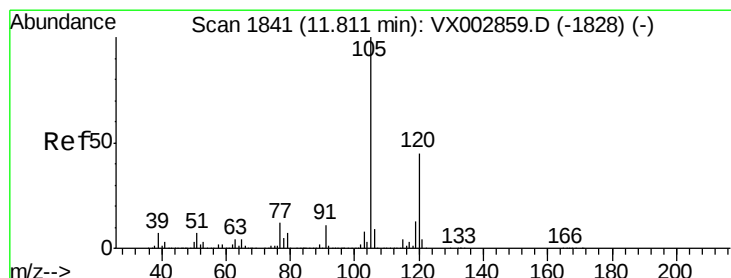
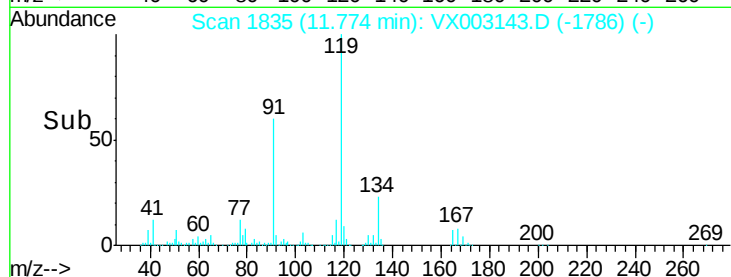
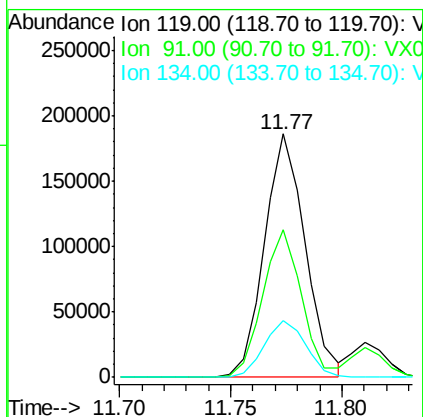
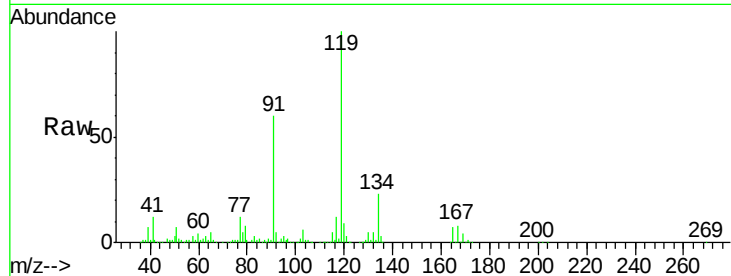
#83
 tert-Butylbenzene
 Concen: 20.328 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	236436		
91	58.4	30.3	90.9	
134	23.8	11.7	35.1	

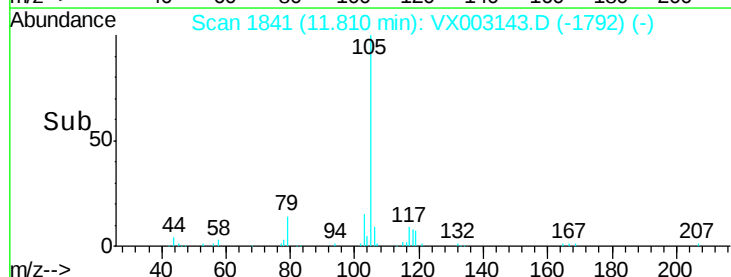
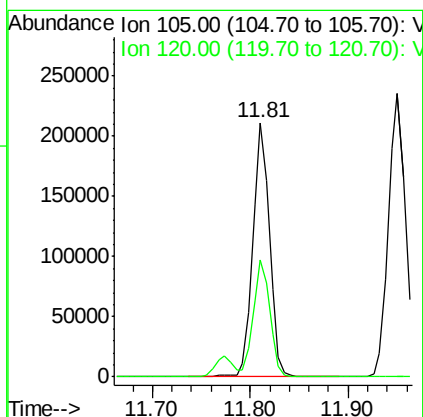
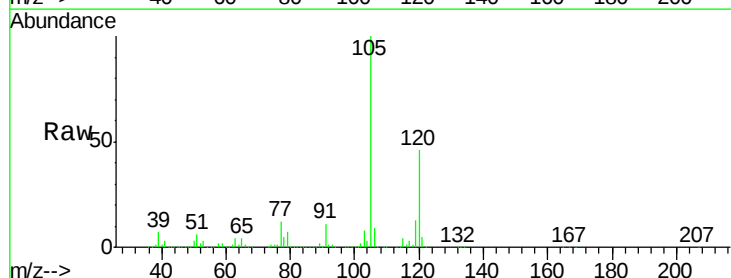
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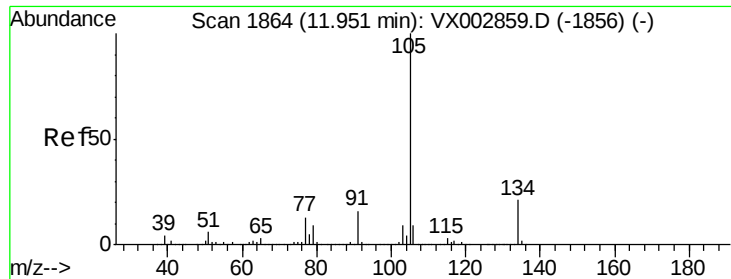
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.436 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249899		
120	46.3	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.185 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion:105 Resp: 284818

Ion Ratio Lower Upper

105 100

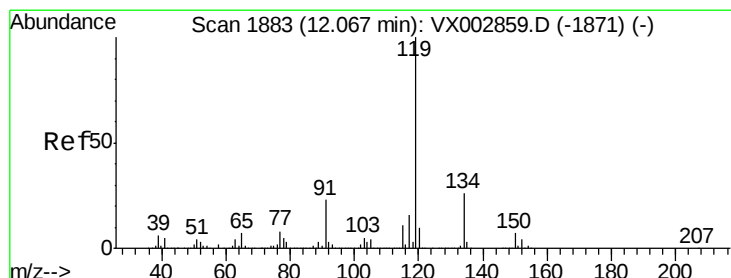
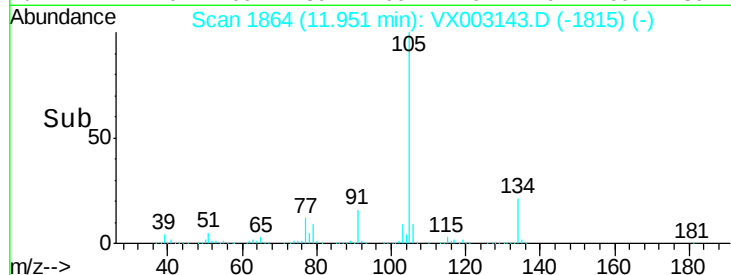
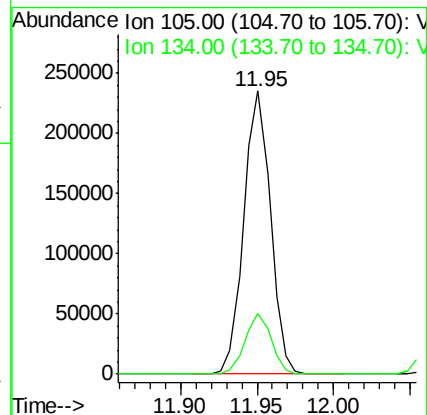
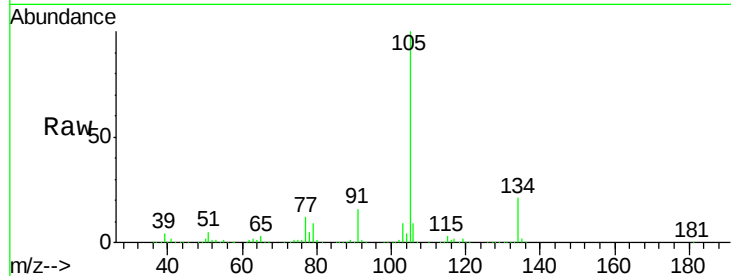
134 21.2 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.350 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

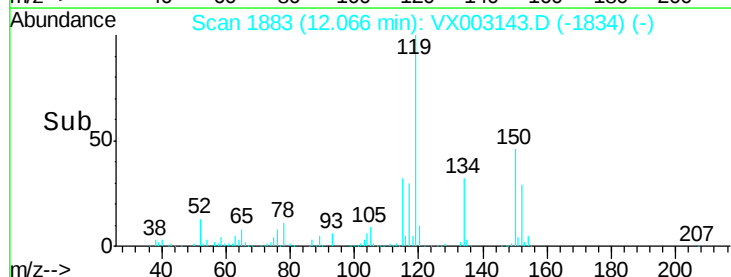
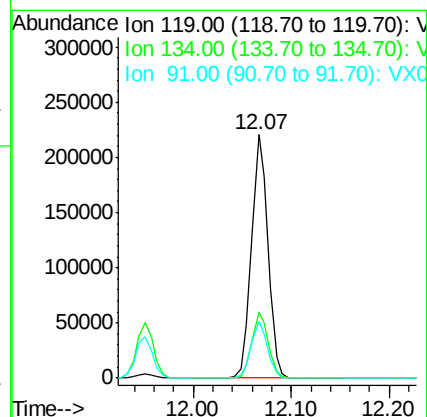
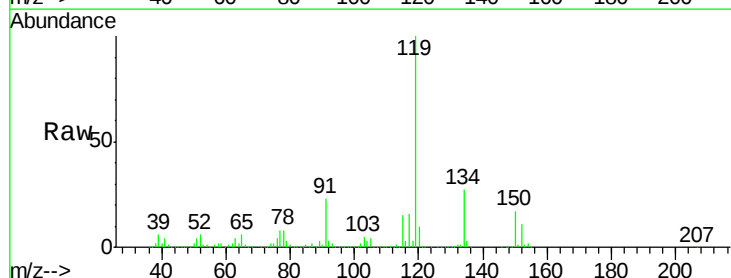
Tgt Ion:119 Resp: 258160

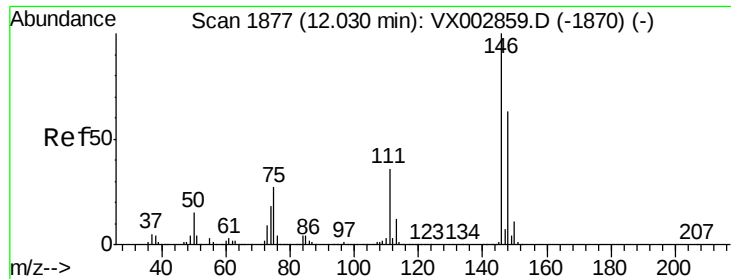
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.4 11.9 35.7





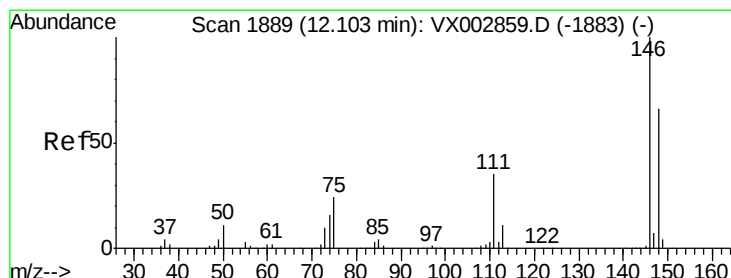
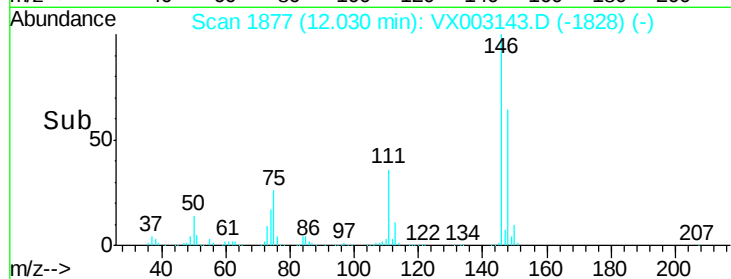
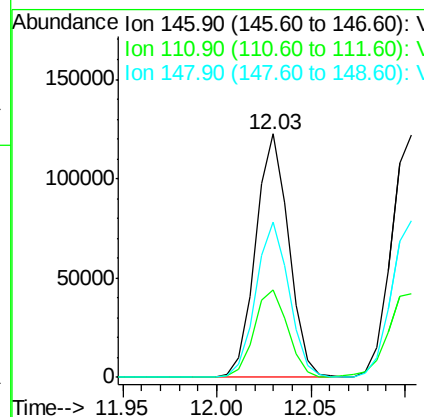
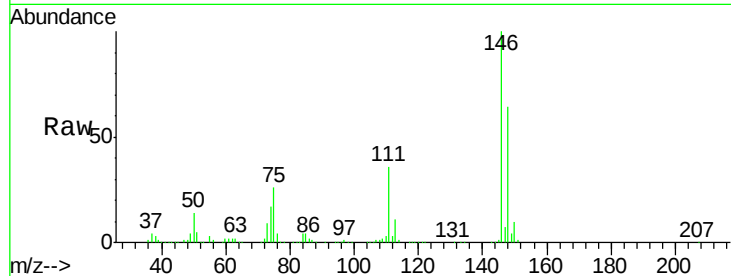
#87
 1,3-Dichlorobenzene
 Concen: 20.440 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.7
148	63.8	32.1	96.3

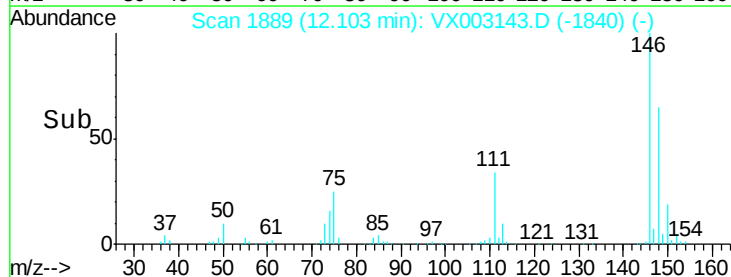
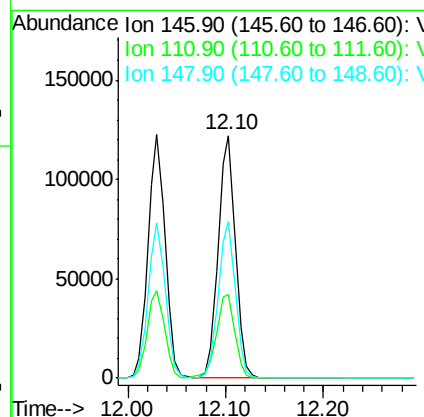
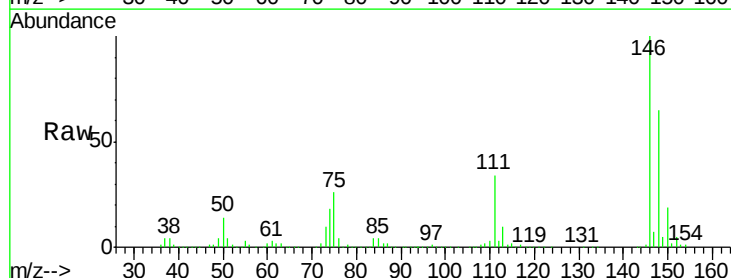
Manual Integrations
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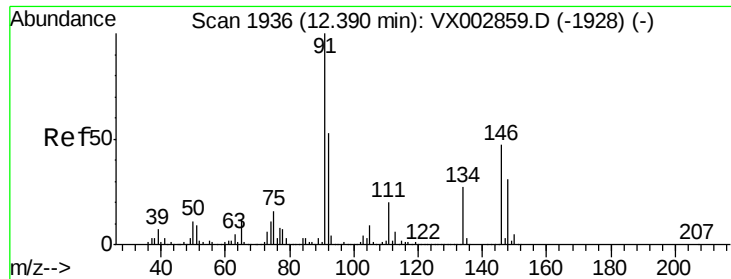
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#88
 1,4-Dichlorobenzene
 Concen: 19.957 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.4	32.4	97.0





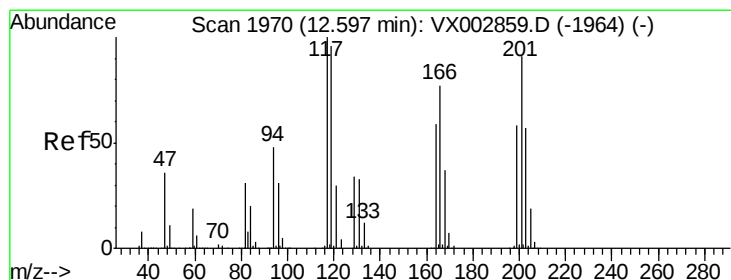
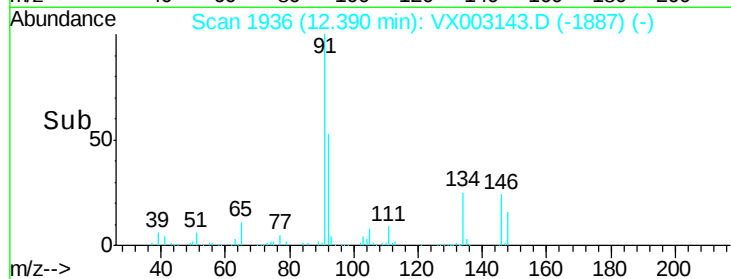
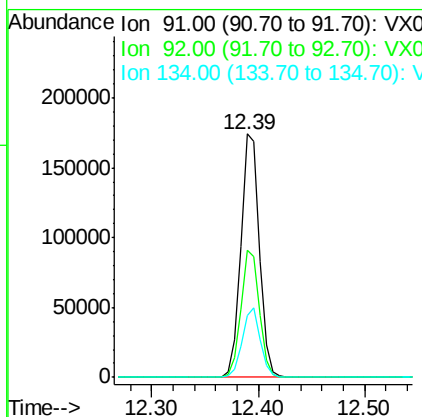
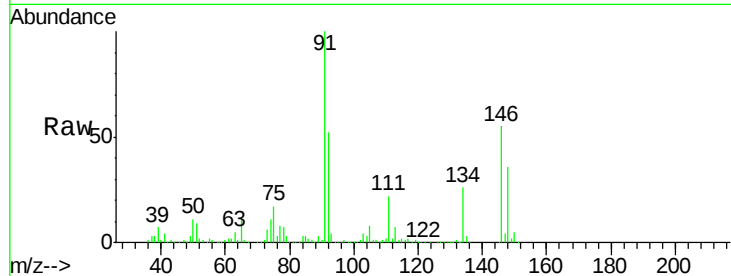
#89
n-Butylbenzene
Concen: 19.272 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	27.8	13.5	40.5

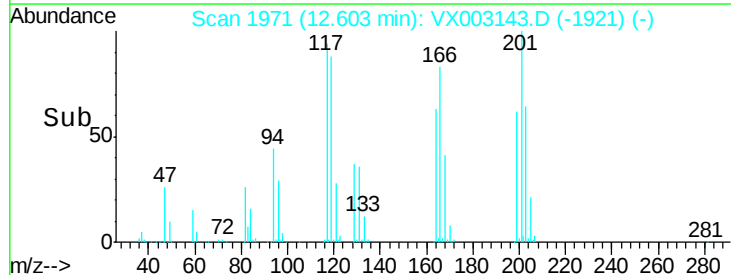
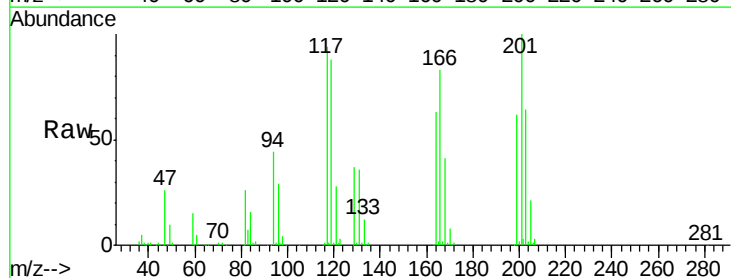
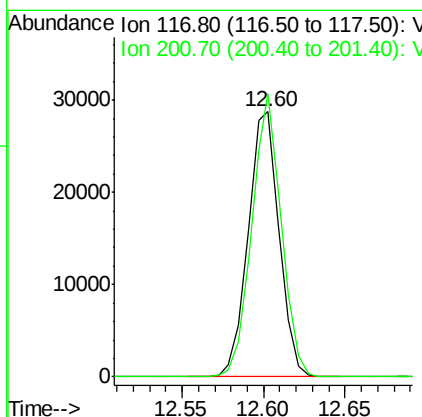
Manual Integrations
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#90
Hexachloroethane
Concen: 20.153 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003143.D
Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.4	49.0	147.0





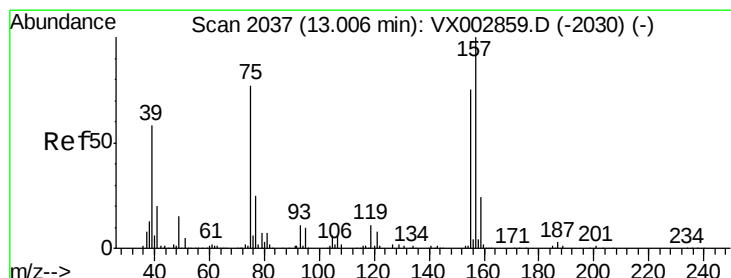
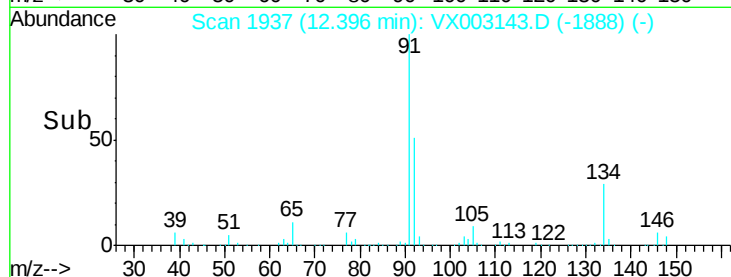
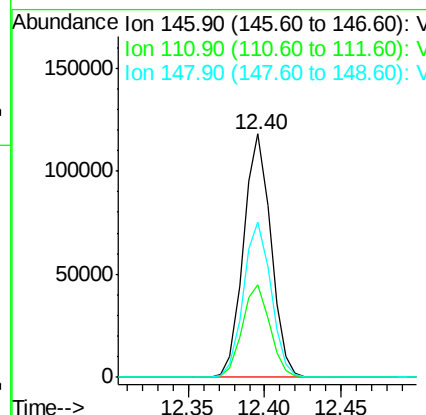
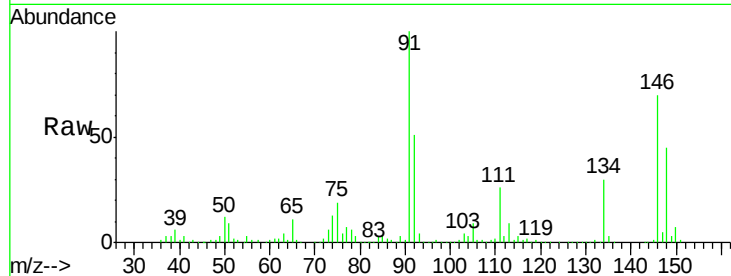
#91
 1,2-Dichlorobenzene
 Concen: 19.971 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	64.3	31.7	95.1

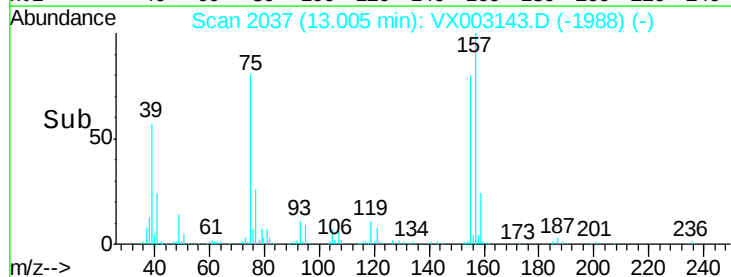
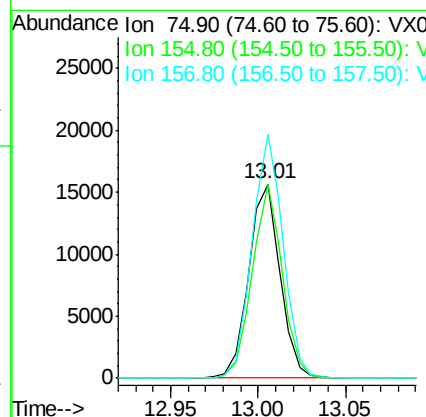
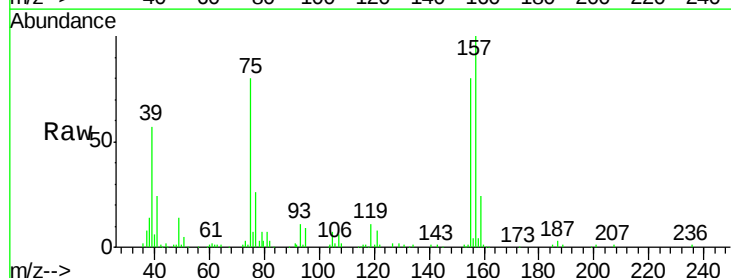
Manual Integrations
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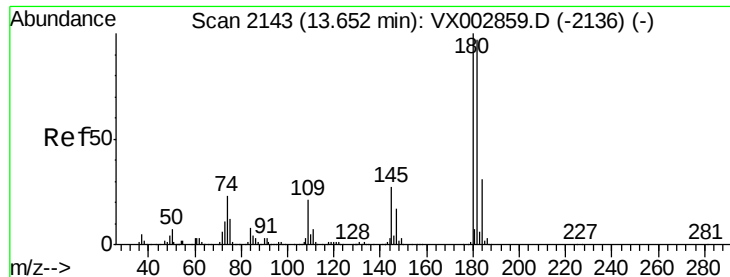
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.033 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	45.8	137.4
157	124.0	60.1	180.3





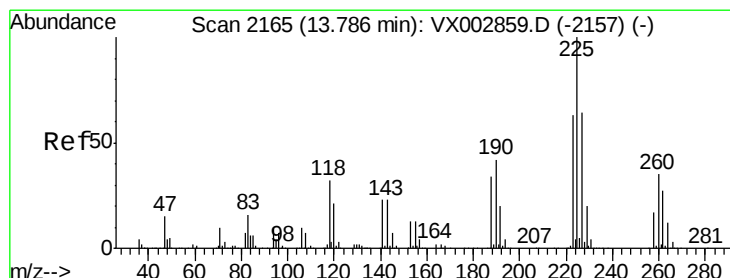
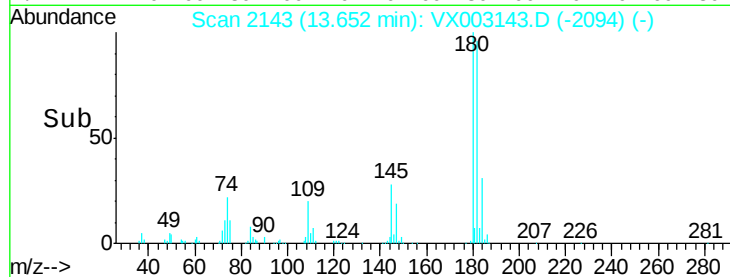
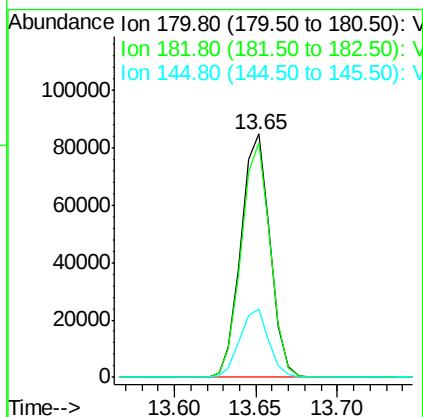
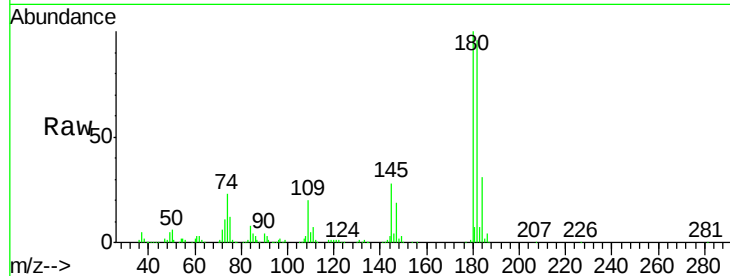
#93
 1,2,4-Trichlorobenzene
 Concen: 19.770 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.7	143.1	
145	27.7	14.1	42.4	

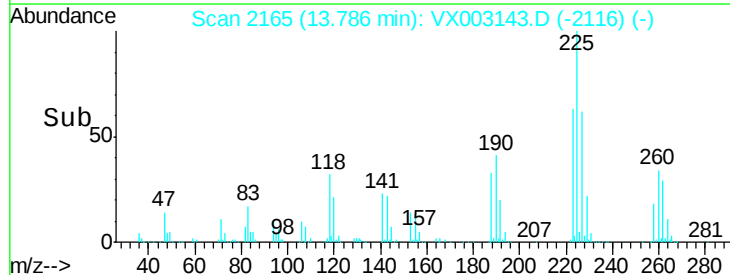
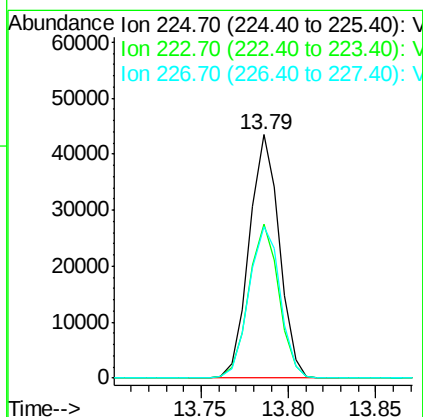
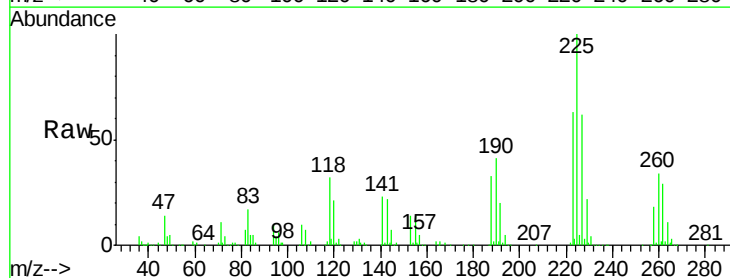
Manual Integrations
 APPROVED

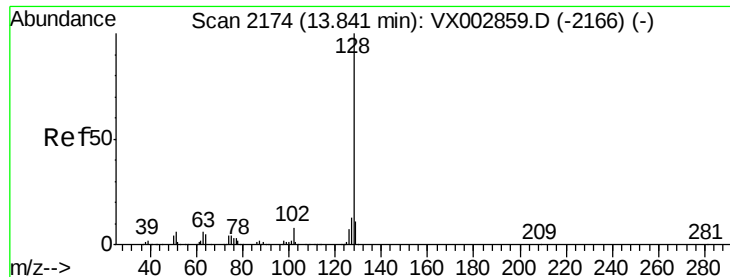
sam
 7/5/2018 2:28:41 PM



#94
 Hexachlorobutadiene
 Concen: 19.456 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003143.D
 Acq: 03 Jul 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.6	95.0	
227	64.6	32.4	97.2	





#95

Naphthalene

Concen: 20.444 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Instrument :

MSVOA_X

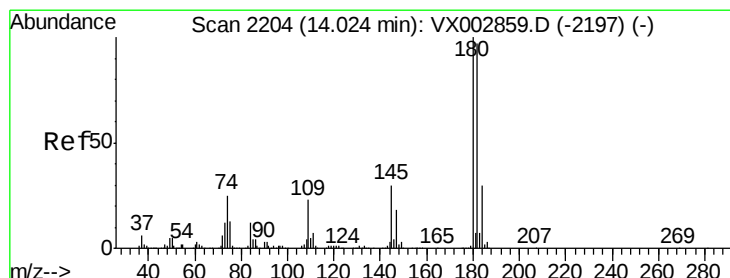
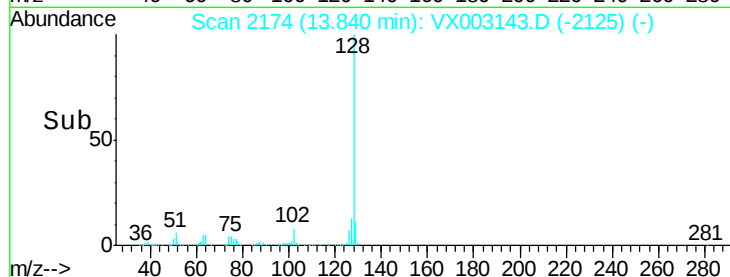
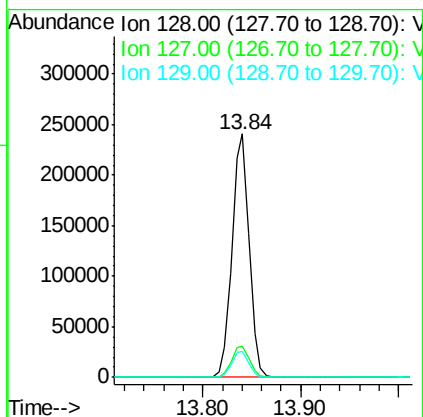
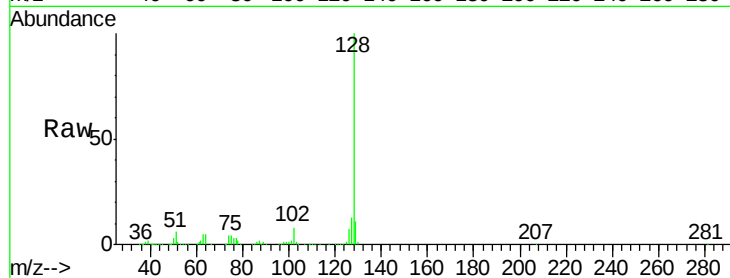
ClientSampleId :

VX0703WBS01

Tot Ion:	128	Resp:	291501
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

sam
7/5/2018 2:28:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.658 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003143.D

Acq: 03 Jul 2018 12:31

Tgt Ion:	180	Resp:	110461
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.0
145	29.4	14.8	44.3

