

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003098.D
 Acq On : 01 Jul 2018 01:08
 Operator : JC/MD
 Sample : VX0630WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Manual Integrations
 APPROVED

sam
 7/3/2018 5:07:18 PM

Quant Time: Jul 02 17:12:23 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	247082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	344648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	177785	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	5.51	113	145123	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	8.72	98	525566	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	11.14	95	196479	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56445	25.44	ug/l	98
3) Chloromethane	1.32	50	54501	23.15	ug/l	98
4) Vinyl Chloride	1.40	62	61759	22.10	ug/l	91
5) Bromomethane	1.64	94	27565	19.47	ug/l	96
6) Chloroethane	1.72	64	39391	22.88	ug/l	99
7) Trichlorofluoromethane	1.93	101	96764	20.53	ug/l	99
8) Diethyl Ether	2.19	74	36635	21.38	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55974	20.49	ug/l	95
10) Methyl Iodide	2.51	142	45338	20.56	ug/l	98
11) Tert butyl alcohol	3.08	59	70868	104.17	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51255	21.03	ug/l	95
13) Acrolein	2.29	56	30107	82.70	ug/l	99
14) Allyl chloride	2.73	41	96500	20.09	ug/l	95
15) Acrylonitrile	3.15	53	160340	110.34	ug/l	99
16) Acetone	2.45	43	145329	102.76	ug/l	94
17) Carbon Disulfide	2.57	76	127050	19.57	ug/l	98
18) Methyl Acetate	2.78	43	79267	20.05	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	184649	21.08	ug/l	100
20) Methylene Chloride	2.86	84	59787	21.72	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	55213	20.80	ug/l	98
22) Diisopropyl ether	3.88	45	202343	22.04	ug/l	98
23) Vinyl Acetate	3.83	43	841816	108.27	ug/l	98
24) 1,1-Dichloroethane	3.70	63	106258	21.29	ug/l	99
25) 2-Butanone	4.71	43	230589	109.86	ug/l	97
26) 2,2-Dichloropropane	4.59	77	52173	12.86	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	63622	21.38	ug/l	96
28) Bromochloromethane	5.02	49	52885	22.14	ug/l	92
29) Tetrahydrofuran	5.17	42	147700	109.73	ug/l	96
30) Chloroform	5.22	83	111041	21.68	ug/l	98
31) Cyclohexane	5.57	56	88767	20.73	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	95711	21.24	ug/l	99
36) 1,1-Dichloropropene	5.80	75	77235	20.44	ug/l	99
37) Ethyl Acetate	4.87	43	89425	21.97	ug/l	99
38) Carbon Tetrachloride	5.79	117	85046	20.51	ug/l	98

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Manual Integrations
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Quant Time: Jul 02 17:12:23 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	85471	19.41	ug/l	97
40) Benzene	6.15	78	235108	21.41	ug/l	98
41) Methacrylonitrile	5.07	41	49949	21.32	ug/l	98
42) 1,2-Dichloroethane	6.20	62	91412	20.61	ug/l	99
43) Isopropyl Acetate	6.47	43	140097	20.53	ug/l	98
44) Trichloroethene	7.21	130	69703	21.29	ug/l	99
45) 1,2-Dichloropropane	7.52	63	60996	20.94	ug/l	99
46) Dibromomethane	7.67	93	42120	20.83	ug/l	96
47) Bromodichloromethane	7.90	83	77456	20.73	ug/l	98
48) Methyl methacrylate	7.78	41	71905	20.45	ug/l	95
49) 1,4-Dioxane	7.76	88	29999	438.47	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	458836	107.45	ug/l	98
52) Toluene	8.79	92	152805	21.72	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	83196	19.66	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	76641	18.82	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	63629	22.01	ug/l	97
56) Ethyl methacrylate	9.18	69	90438	21.41	ug/l	94
57) 1,3-Dichloropropane	9.38	76	102502	21.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	228899	112.30	ug/l	98
59) 2-Hexanone	9.50	43	347300	107.02	ug/l	97
60) Dibromochloromethane	9.59	129	62164	20.43	ug/l	100
61) 1,2-Dibromoethane	9.68	107	64145	21.15	ug/l	99
64) Tetrachloroethene	9.34	164	84613	23.46	ug/l	97
65) Chlorobenzene	10.14	112	172162	20.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63207	21.12	ug/l	99
67) Ethyl Benzene	10.26	91	289492	21.27	ug/l	99
68) m/p-Xylenes	10.36	106	224537	42.80	ug/l	99
69) o-Xylene	10.70	106	109524	21.44	ug/l	97
70) Styrene	10.71	104	179675	21.65	ug/l	99
71) Bromoform	10.86	173	48397	20.40	ug/l #	98
73) Isopropylbenzene	11.02	105	297981	22.08	ug/l	99
74) N-amyl acetate	6.47	43	140097	21.22	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91754	22.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87744m	24.15	ug/l	
77) Bromobenzene	11.26	156	84019	21.87	ug/l	96
78) n-propylbenzene	11.37	91	327841	21.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	199810	21.49	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	245554	21.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18186	16.91	ug/l	92
82) 4-Chlorotoluene	11.51	91	233391	21.20	ug/l	99
83) tert-Butylbenzene	11.77	119	238521	21.30	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	254428	21.61	ug/l	99
85) sec-Butylbenzene	11.95	105	287467	21.16	ug/l	100
86) p-Isopropyltoluene	12.07	119	256181	20.97	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	147413	21.01	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	149496	20.70	ug/l	99
89) n-Butylbenzene	12.39	91	209517	19.71	ug/l	99
90) Hexachloroethane	12.60	117	34924	19.22	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	153231	21.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19288	20.64	ug/l	98

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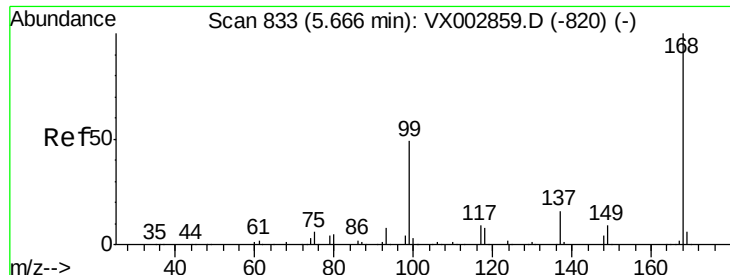
Manual Integrations
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Quant Time: Jul 02 17:12:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	108728	21.09	ug/l	99
94) Hexachlorobutadiene	13.79	225	52448	20.40	ug/l	99
95) Naphthalene	13.83	128	311350	22.68	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112196	21.79	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampled :

VX0630WBS02

Tot Ion:168 Resp: 247082

Ion Ratio Lower Upper

168 100

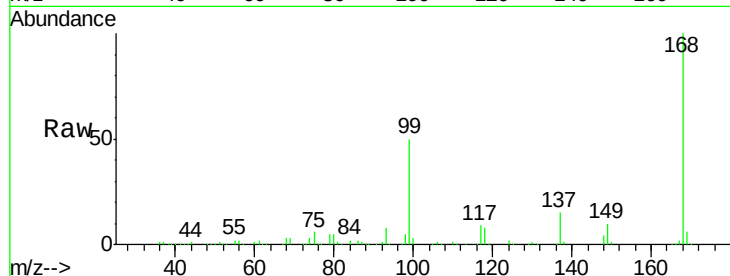
99 50.2 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

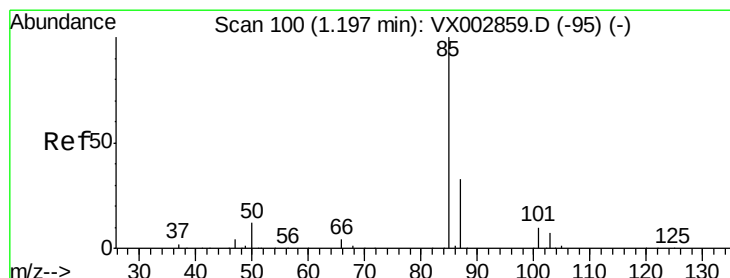
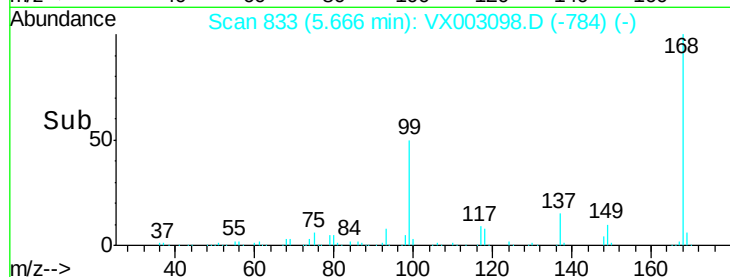
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.44 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003098.D

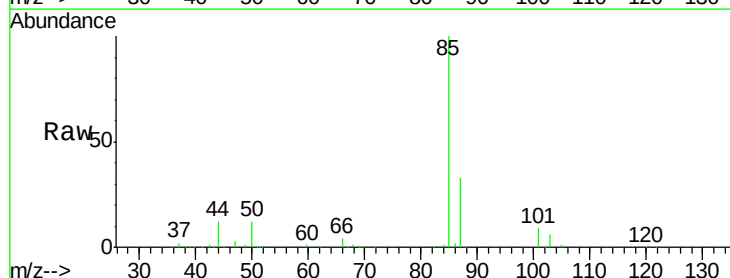
Acq: 01 Jul 2018 01:08

Tgt Ion: 85 Resp: 56445

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

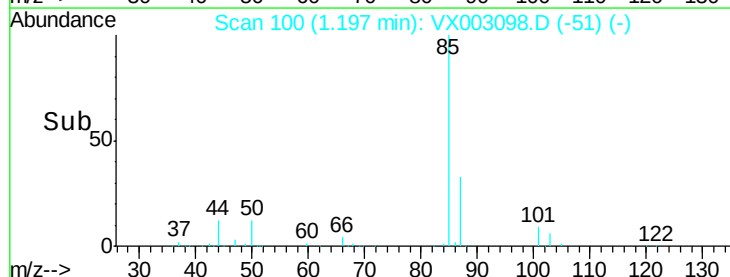
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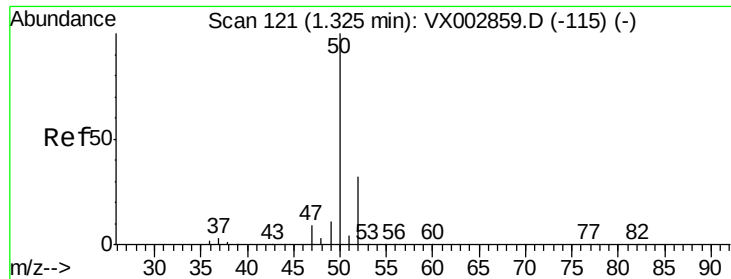
20000

10000

0

Time-->





#3

Chloromethane

Concen: 23.15 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion: 50 Resp: 54501

Ion Ratio Lower Upper

50 100

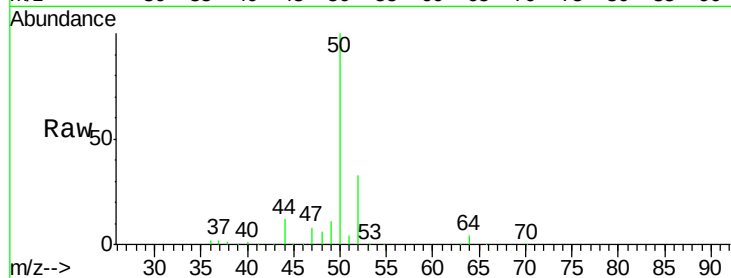
52 33.4 25.7 38.5

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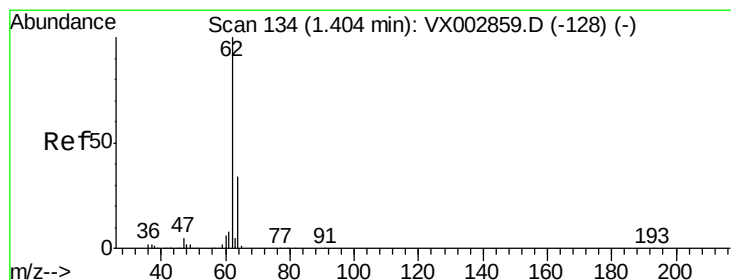
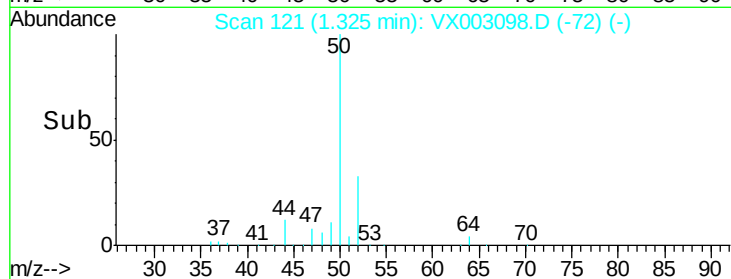
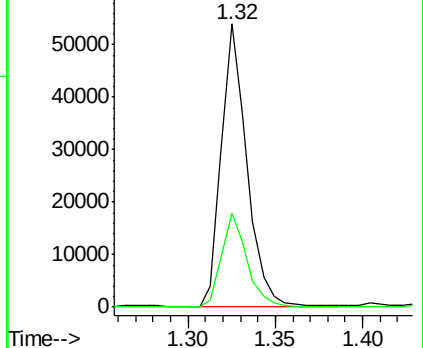
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 22.10 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003098.D

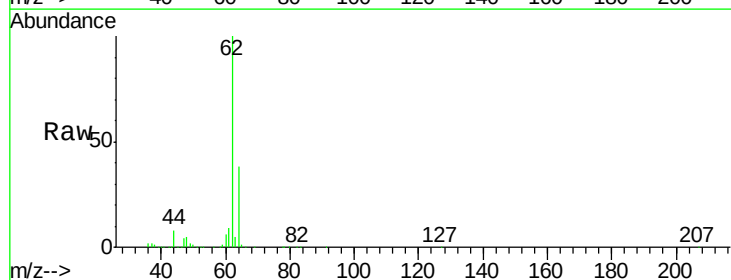
Acq: 01 Jul 2018 01:08

Tgt Ion: 62 Resp: 61759

Ion Ratio Lower Upper

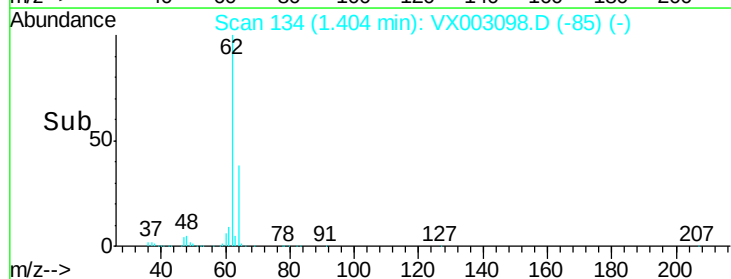
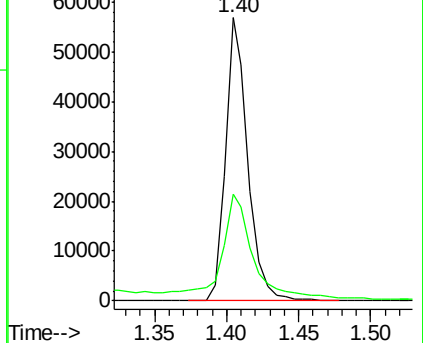
62 100

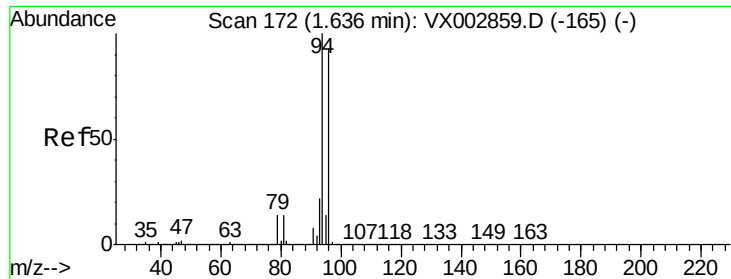
64 36.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.47 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion: 94 Resp: 27565

Ion Ratio Lower Upper

94 100

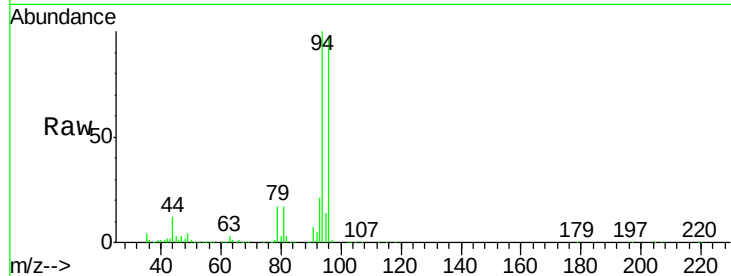
96 97.1 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

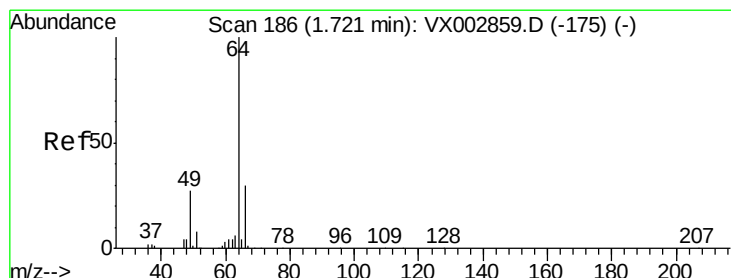
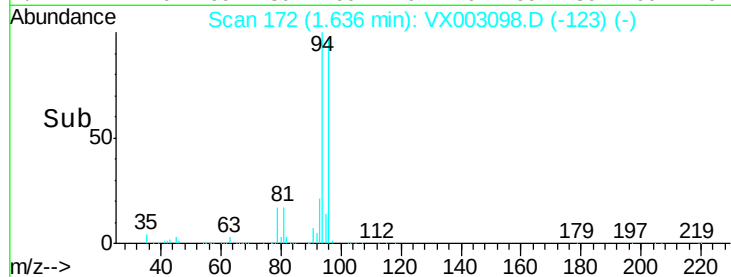
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.88 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003098.D

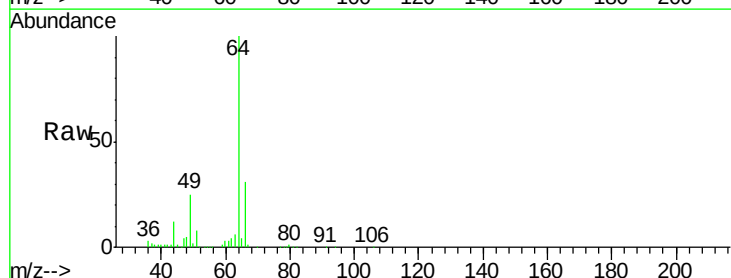
Acq: 01 Jul 2018 01:08

Tgt Ion: 64 Resp: 39391

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

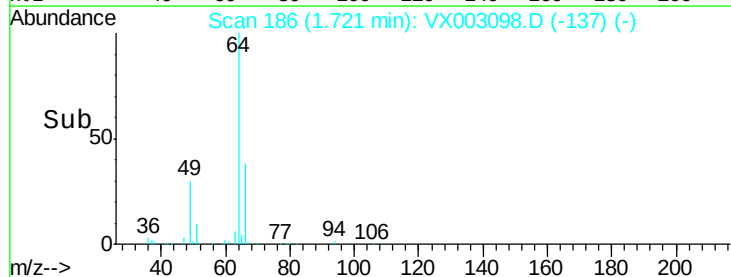
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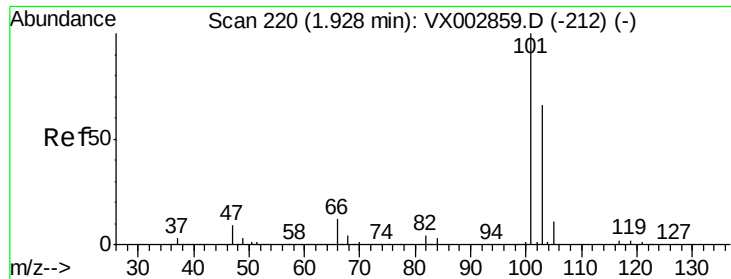
20000

10000

0

Time-->





#7

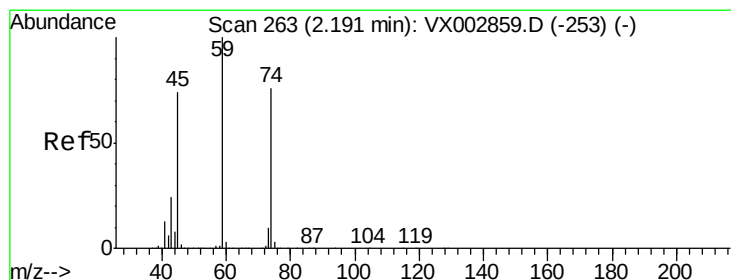
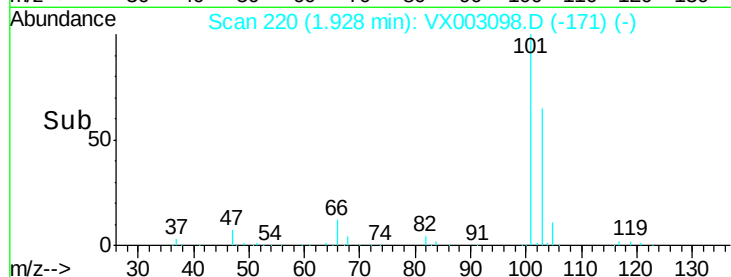
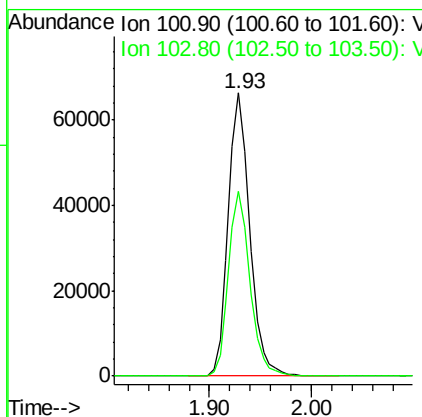
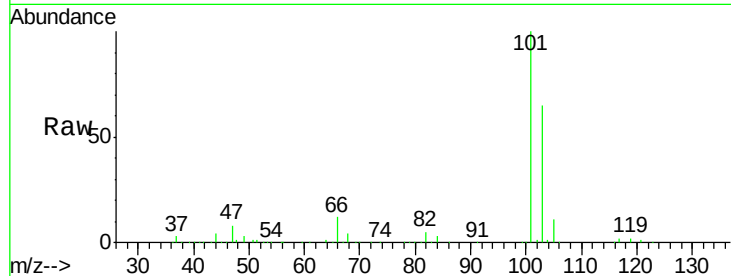
Trichlorofluoromethane
Concen: 20.53 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion:101 Resp: 96764
Ion Ratio Lower Upper
101 100
103 65.3 52.8 79.2

Manual Integrations
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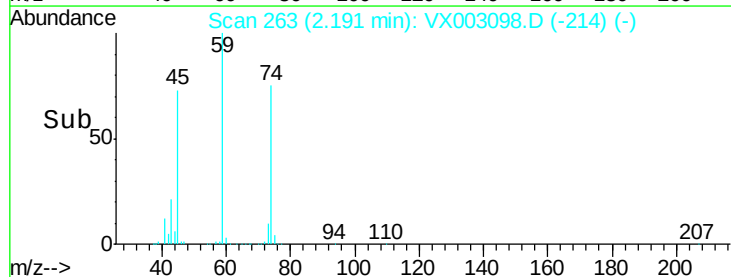
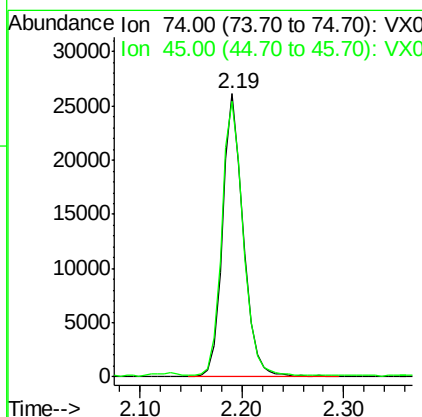
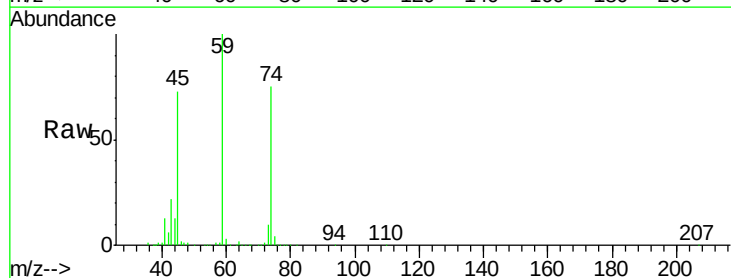
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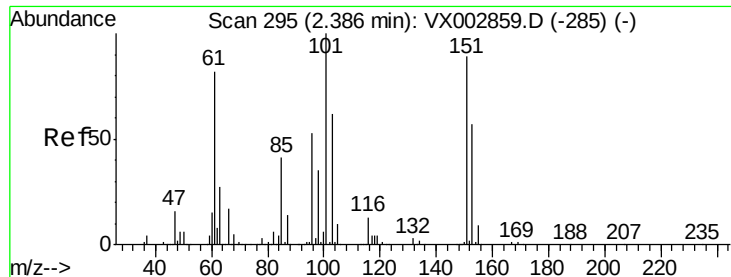


#8

Diethyl Ether
Concen: 21.38 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion: 74 Resp: 36635
Ion Ratio Lower Upper
74 100
45 99.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.49 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

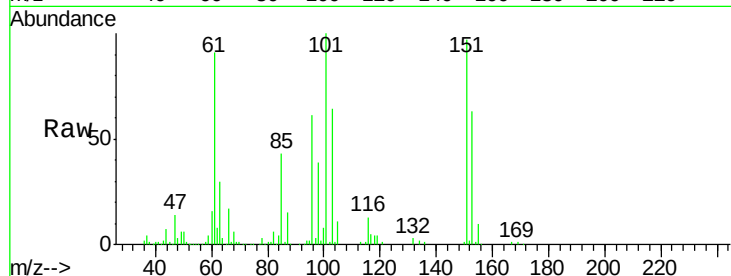
ClientSampleId :

VX0630WBS02

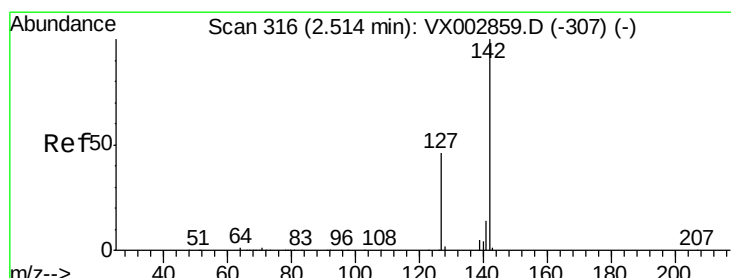
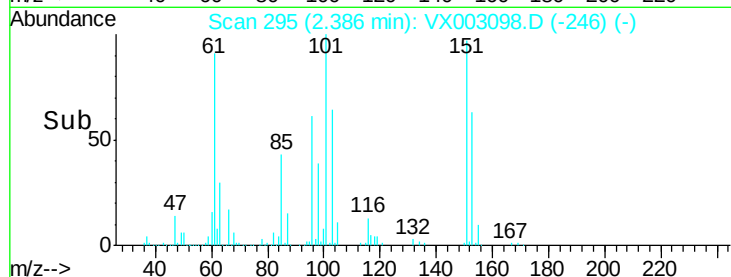
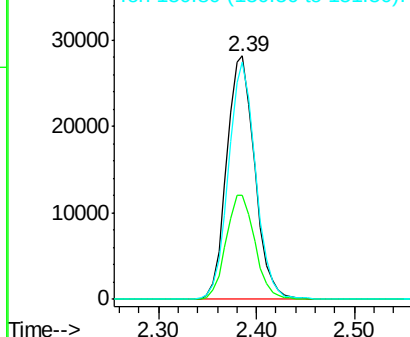
Tot Ion:	101	Resp:	55974
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	94.3	70.9	106.3

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: 20.56 ug/l

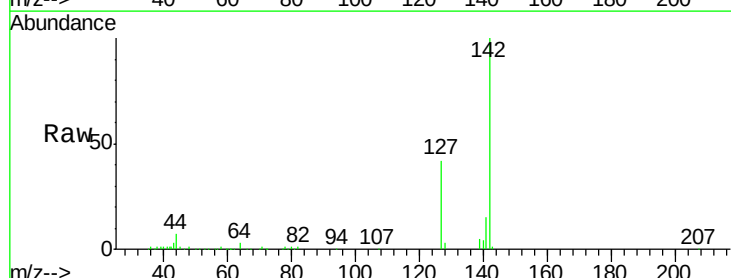
RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

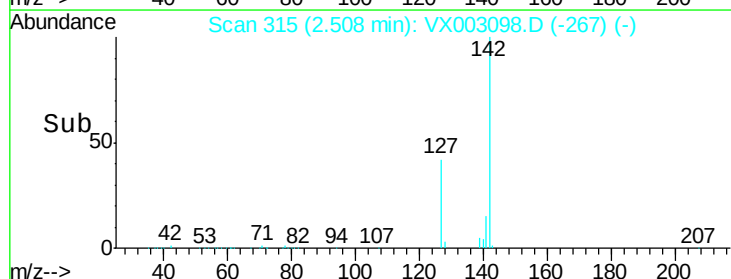
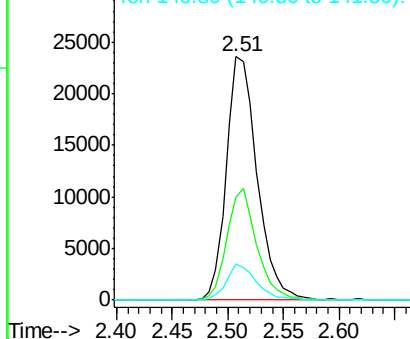
Lab File: VX003098.D

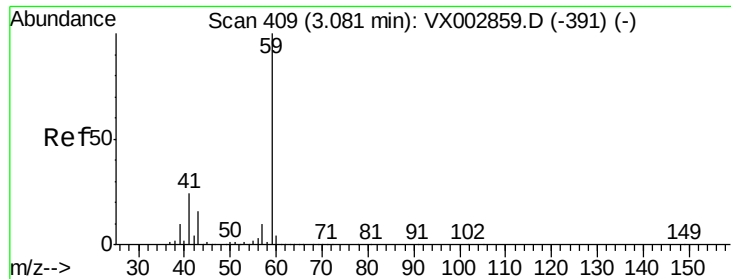
Acq: 01 Jul 2018 01:08

Tgt Ion:	142	Resp:	45338
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.6	55.0
141	14.3	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

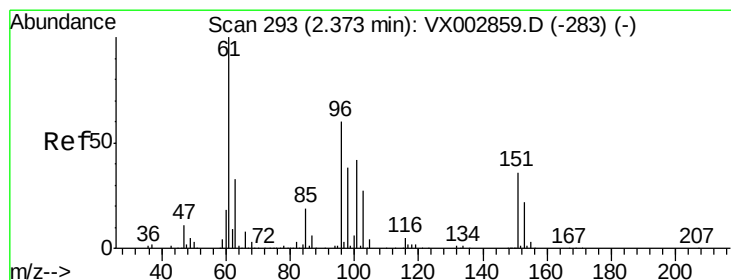
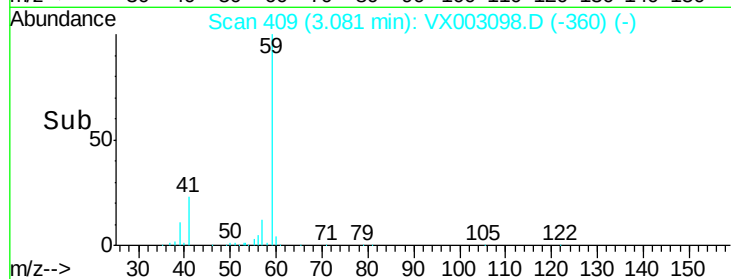
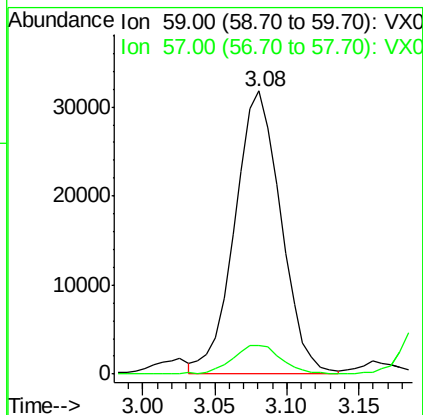
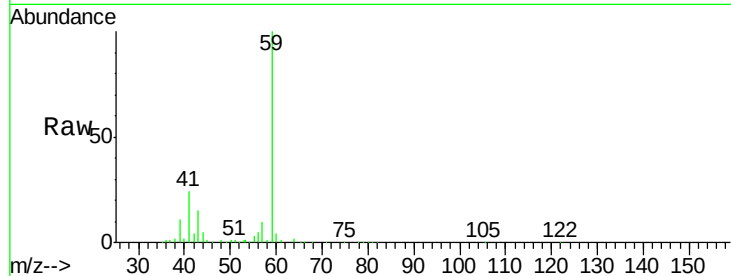
Tert butyl alcohol
 Concen: 104.17 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0630WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.2

Manual Integrations
 APPROVED

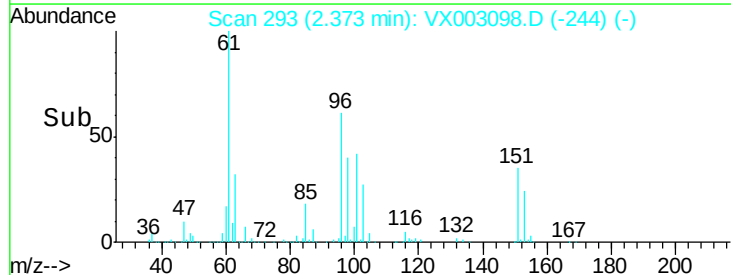
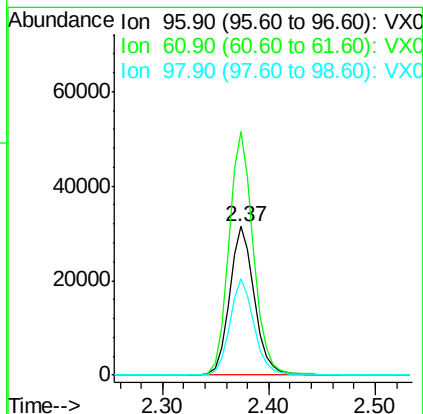
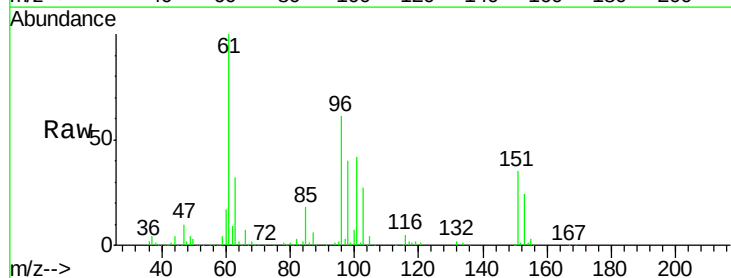
sam
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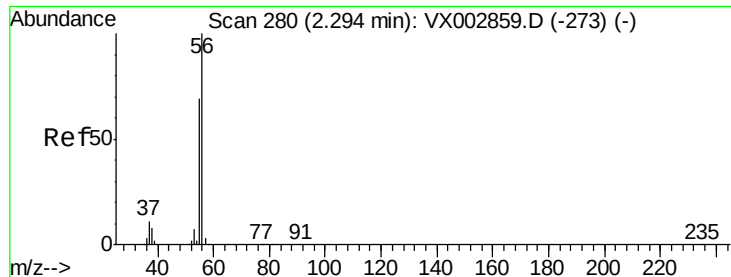


#12

1,1-Dichloroethene
 Concen: 21.03 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	137.9	206.9
98	65.2	51.6	77.4





#13

Acrolein

Concen: 82.70 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion: 56 Resp: 30107

Ion Ratio Lower Upper

56 100

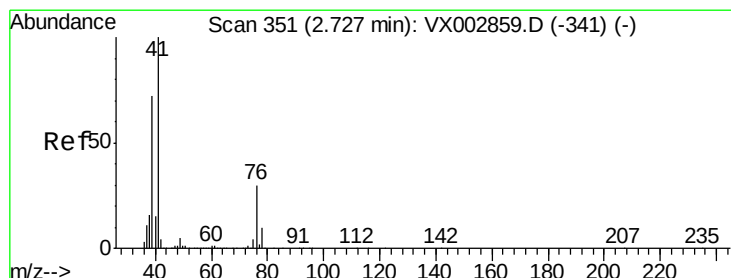
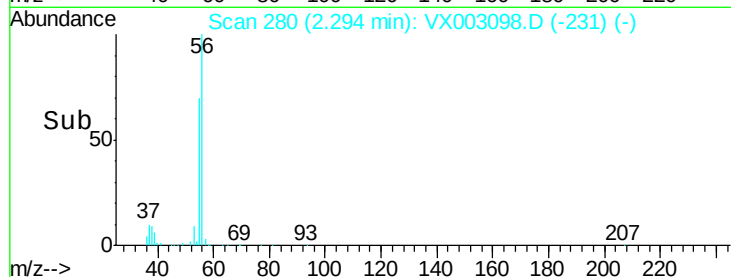
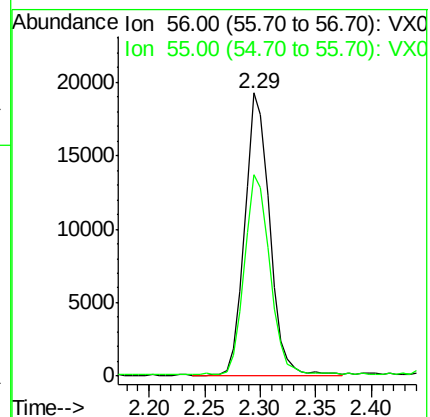
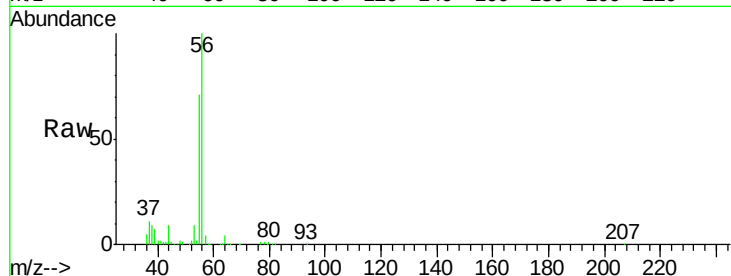
55 72.2 57.0 85.4

Manual Integrations

APPROVED

sam

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#14

Allyl chloride

Concen: 20.09 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

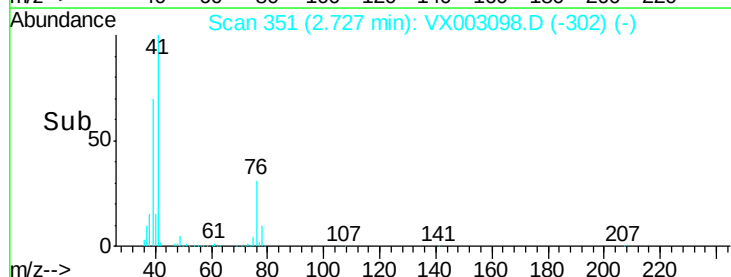
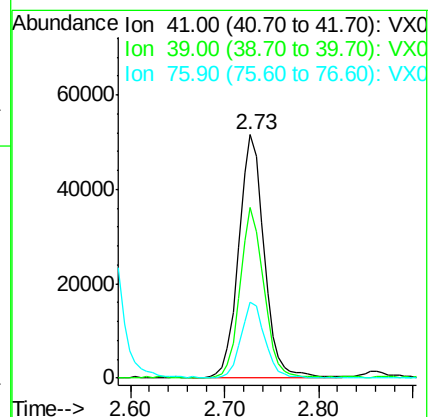
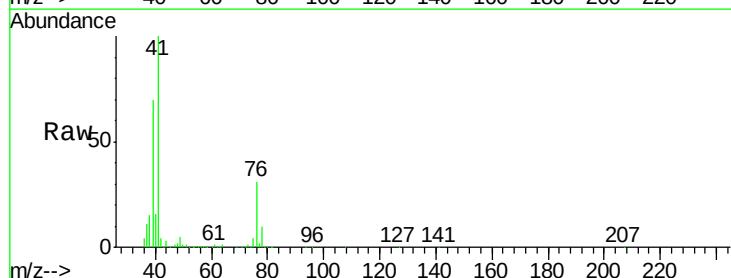
Tgt Ion: 41 Resp: 96500

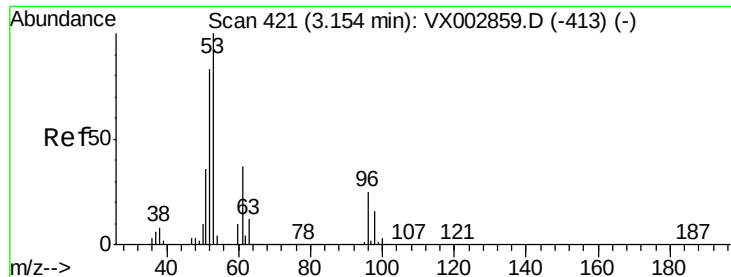
Ion Ratio Lower Upper

41 100

39 65.4 56.8 85.2

76 29.8 23.8 35.8





#15

Acrylonitrile

Concen: 110.34 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

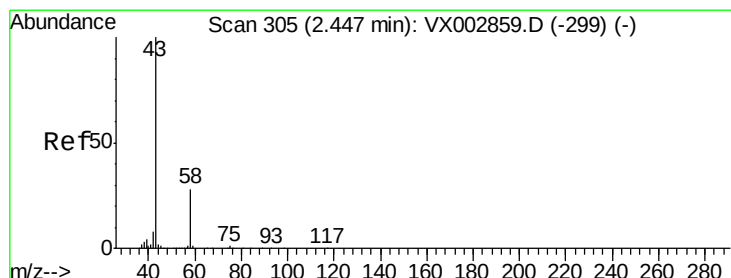
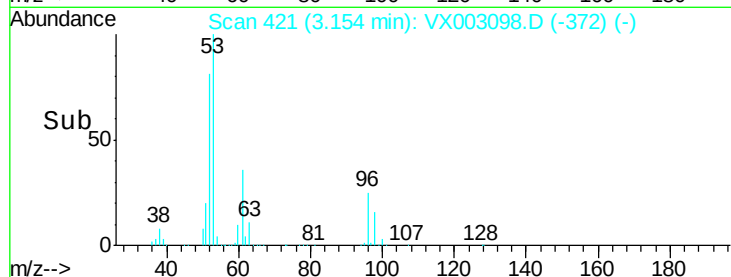
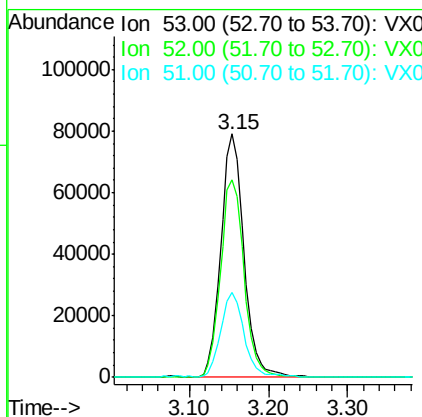
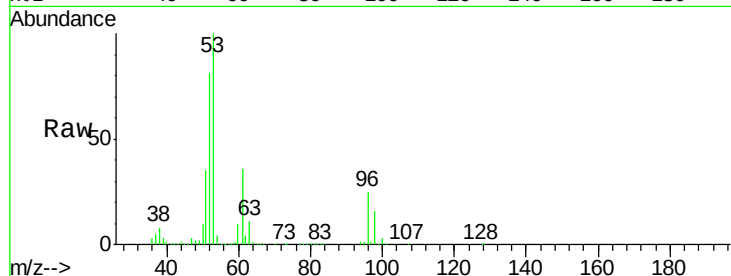
ClientSampled :

VX0630WBS02

Tot Ion:	53	Resp:	160340
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	35.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 102.76 ug/l

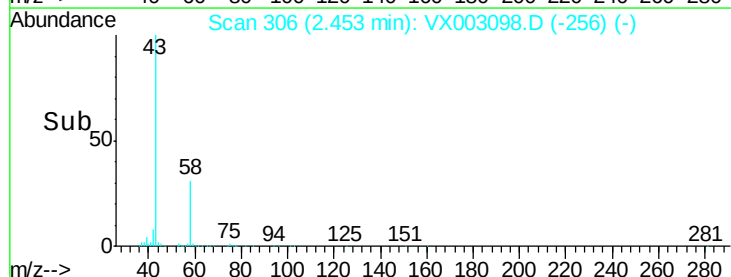
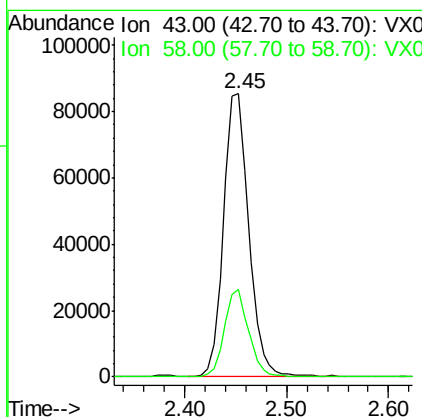
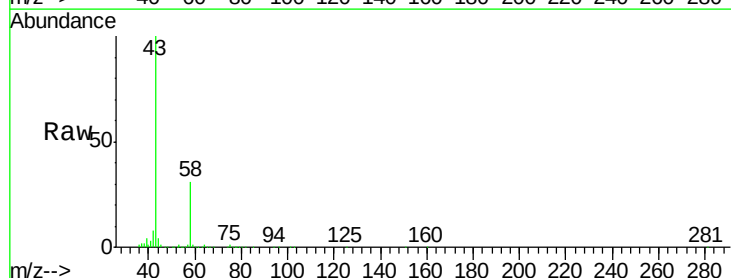
RT: 2.45 min Scan# 306

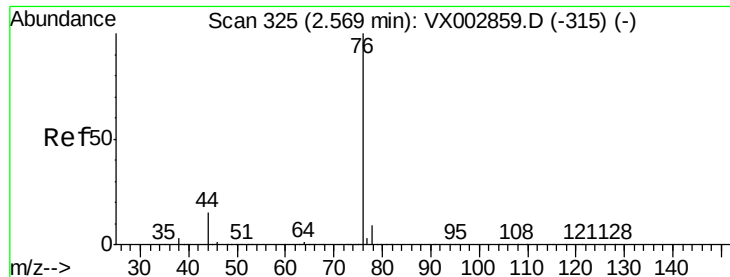
Delta R.T. 0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	43	Resp:	145329
Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.1	33.1





#17

Carbon Disulfide

Concen: 19.57 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampled :

VX0630WBS02

Tot Ion: 76 Resp: 127050

Ion Ratio Lower Upper

76 100

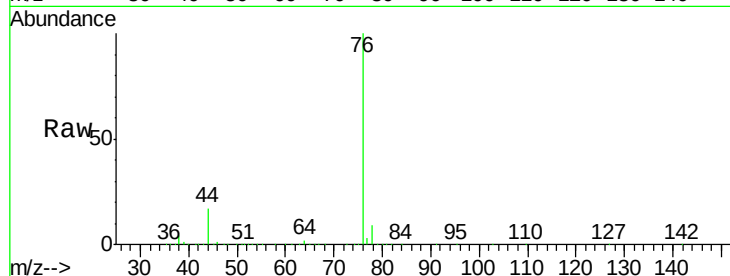
78 9.2 6.9 10.3

Manual Integrations

APPROVED

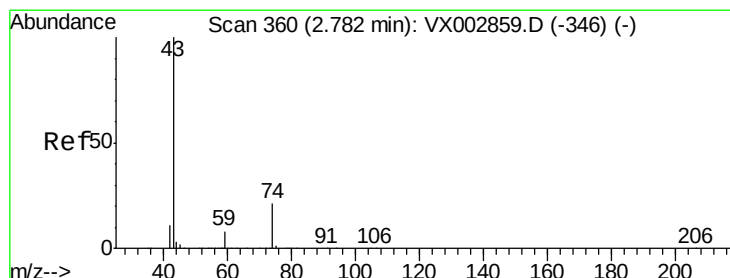
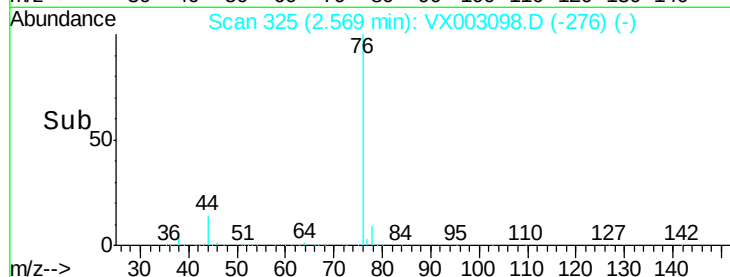
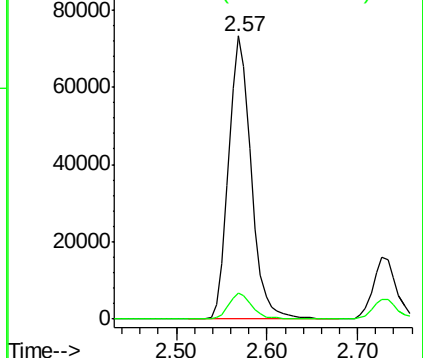
sam

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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: 20.05 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003098.D

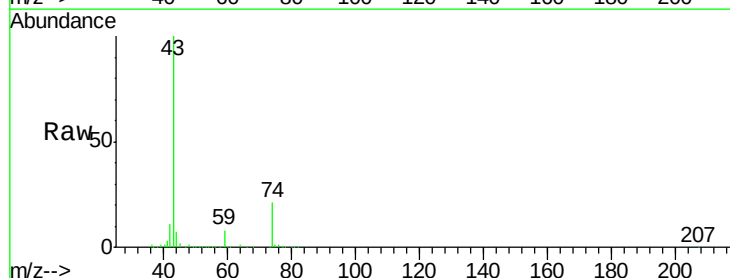
Acq: 01 Jul 2018 01:08

Tgt Ion: 43 Resp: 79267

Ion Ratio Lower Upper

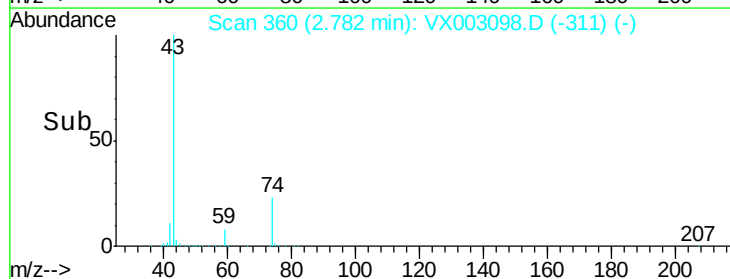
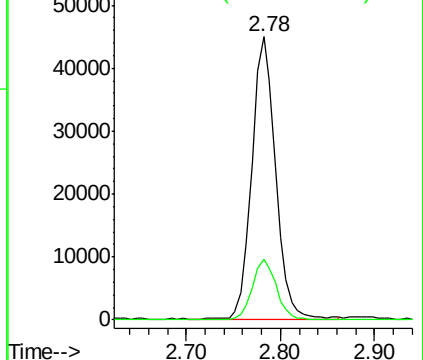
43 100

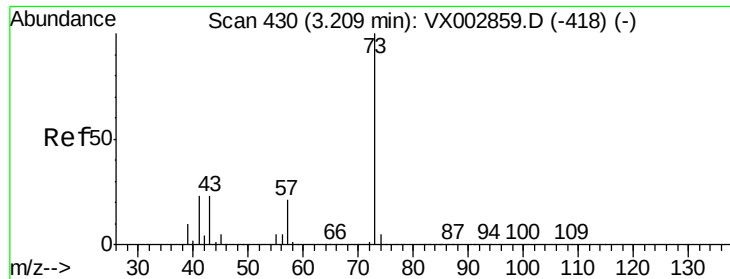
74 22.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





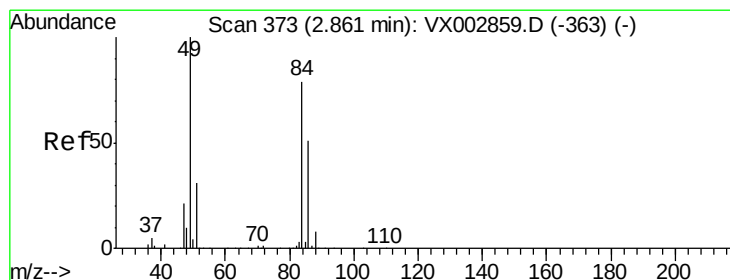
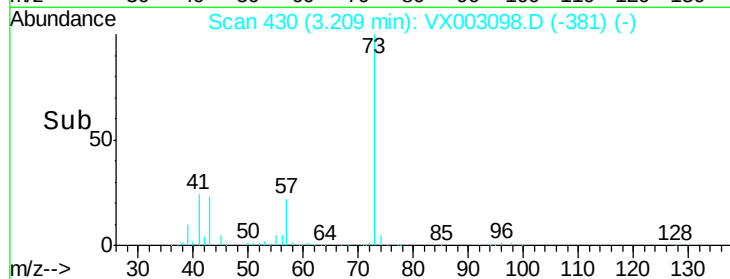
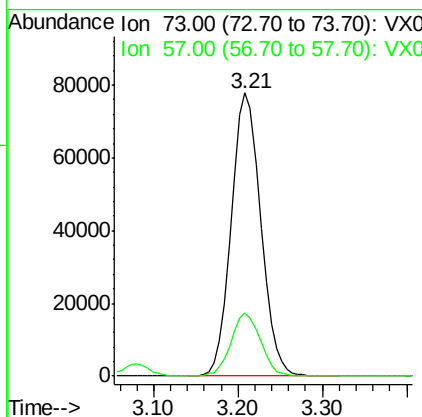
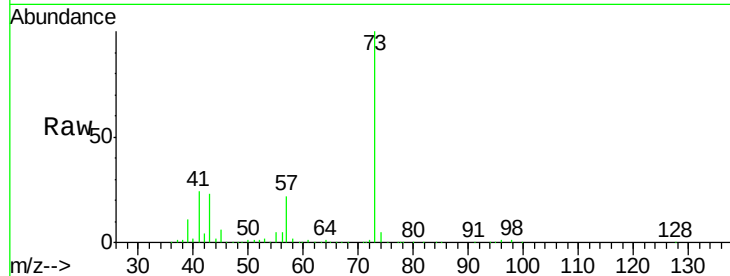
#19
Methyl tert-butyl Ether
Concen: 21.08 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBS02

Tot Ion: 73 Resp: 184649
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

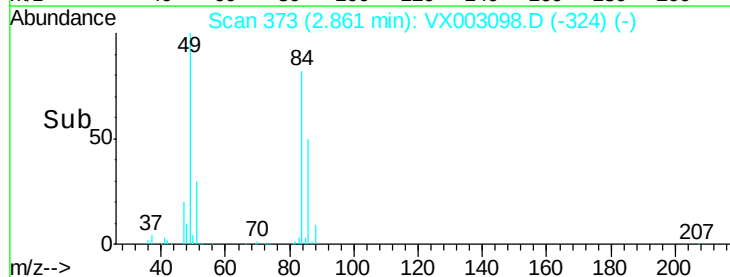
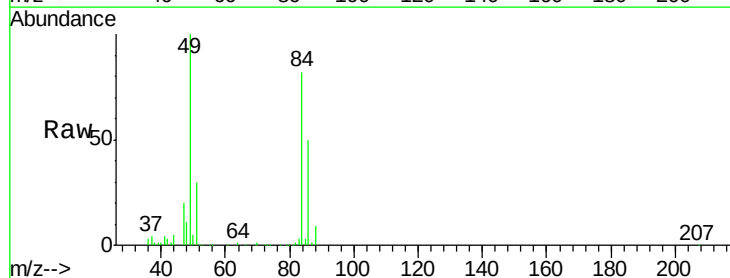
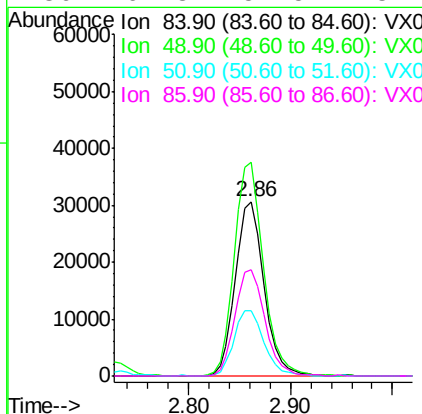
Manual Integrations
APPROVED

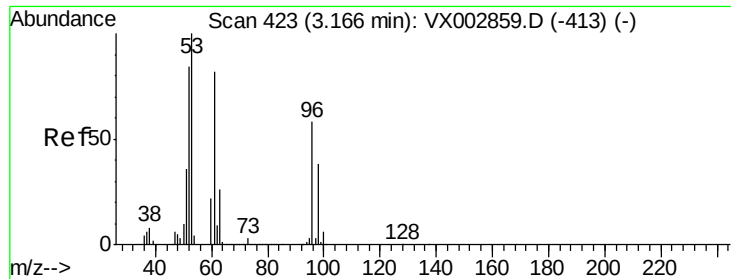
sam
7/3/2018 5:07:18 PM



#20
Methylene Chloride
Concen: 21.72 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion: 84 Resp: 59787
Ion Ratio Lower Upper
84 100
49 122.3 107.8 161.6
51 36.9 32.8 49.2
86 61.3 52.5 78.7





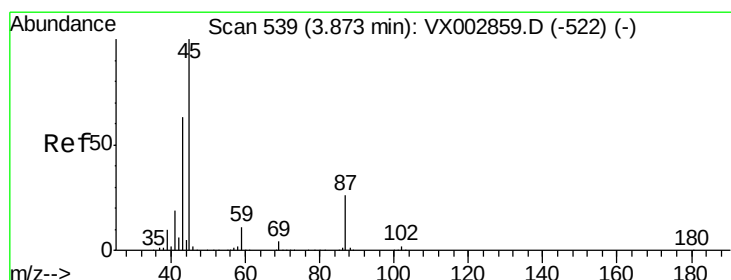
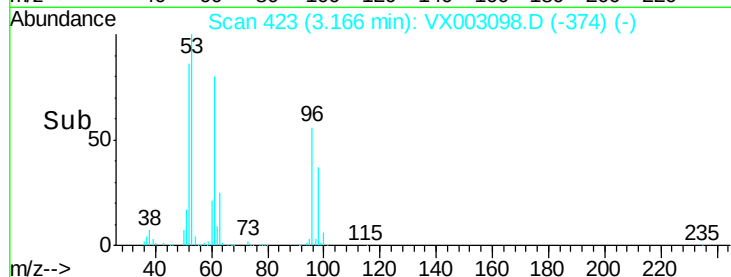
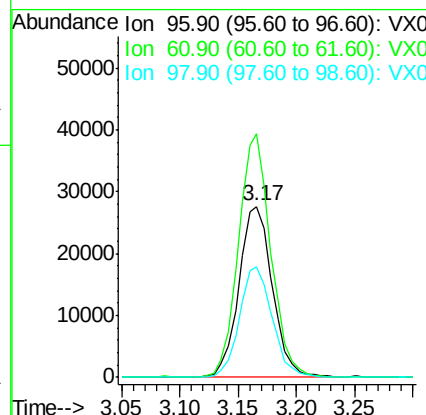
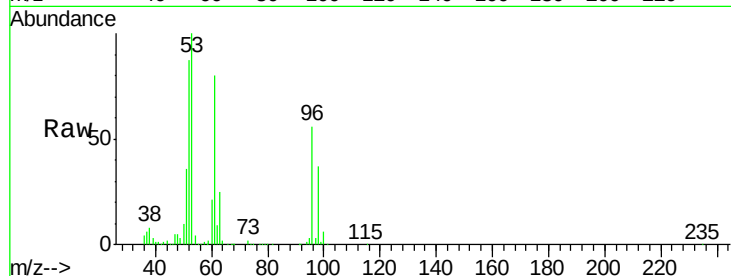
#21
trans-1,2-Dichloroethene
Concen: 20.80 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	117.0	175.4
98	65.0	52.4	78.6

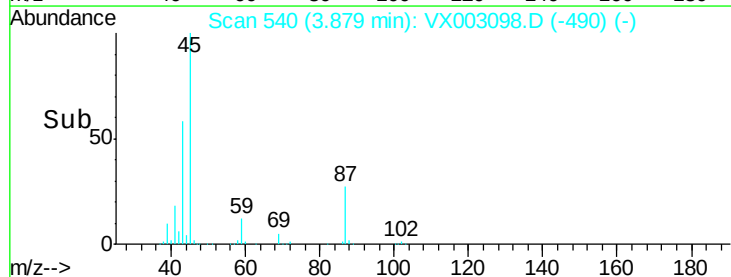
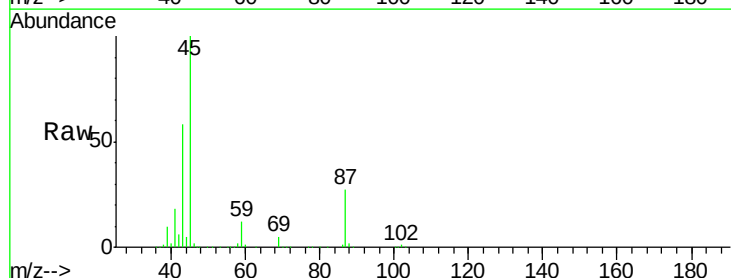
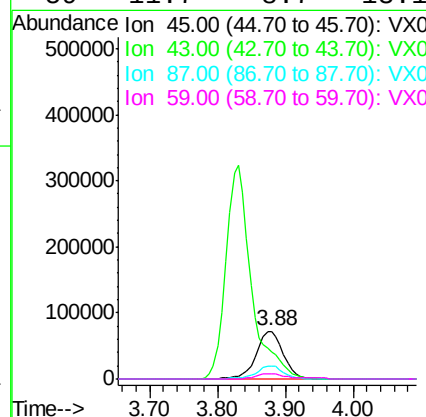
Manual Integrations
APPROVED

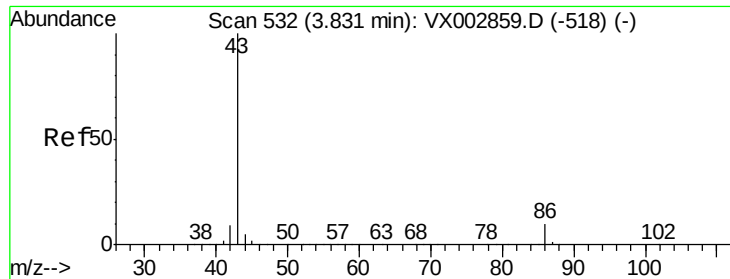
sam
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#22
Diisopropyl ether
Concen: 22.04 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.01 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.8	70.2
87	26.8	20.2	30.4
59	11.7	8.7	13.1





#23

Vinyl Acetate

Concen: 108.27 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion: 43 Resp: 841816

Ion Ratio Lower Upper

43 100

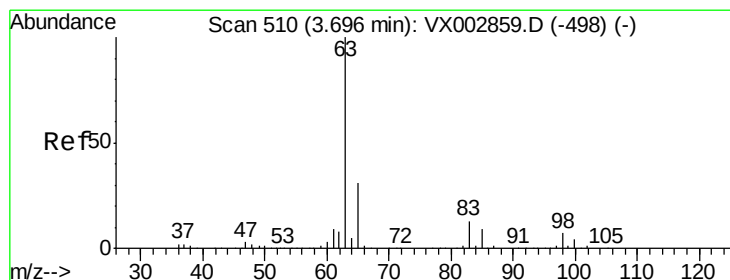
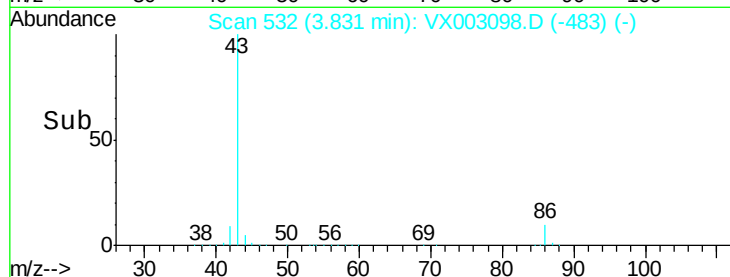
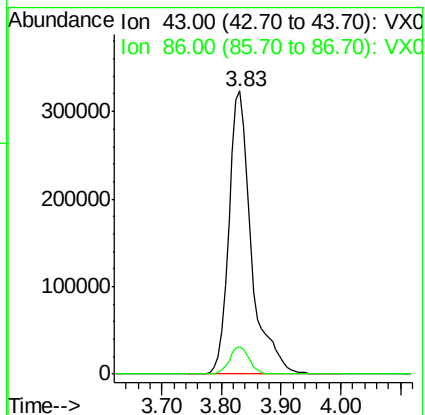
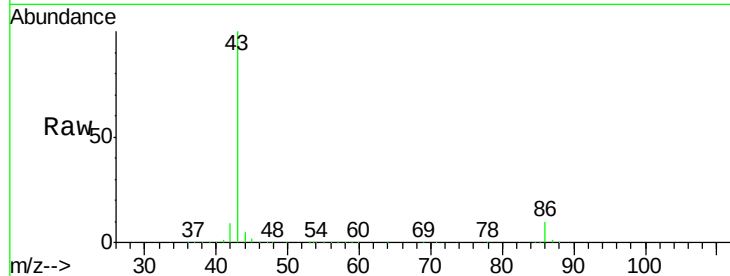
86 9.8 7.4 11.0

Manual Integrations

APPROVED

sam

7/3/2018 5:07:18 PM



#24

1,1-Dichloroethane

Concen: 21.29 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

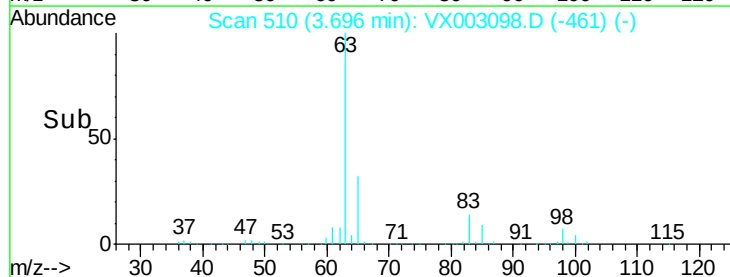
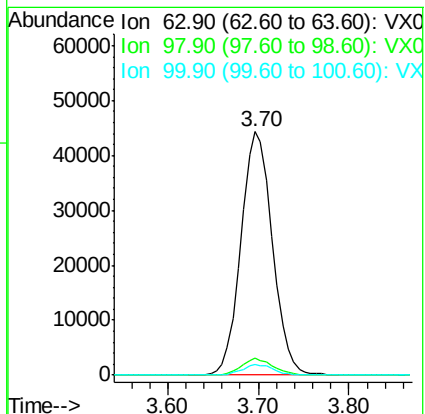
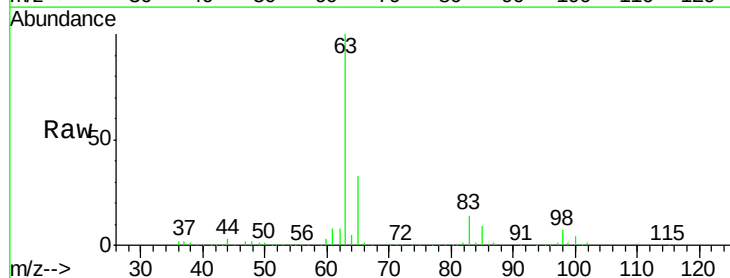
Tgt Ion: 63 Resp: 106258

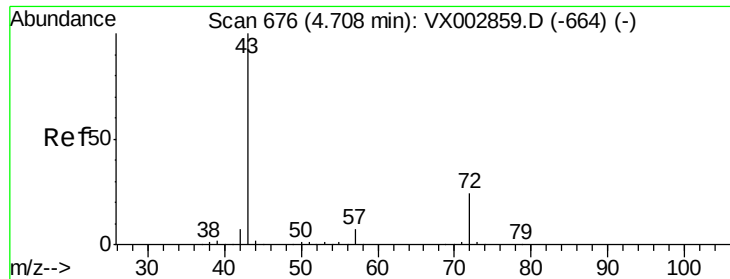
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 109.86 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion: 43 Resp: 230589

Ion Ratio Lower Upper

43 100

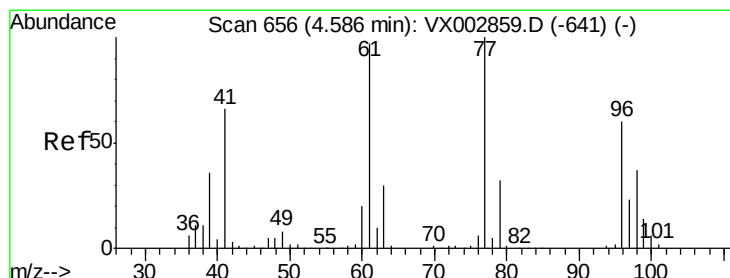
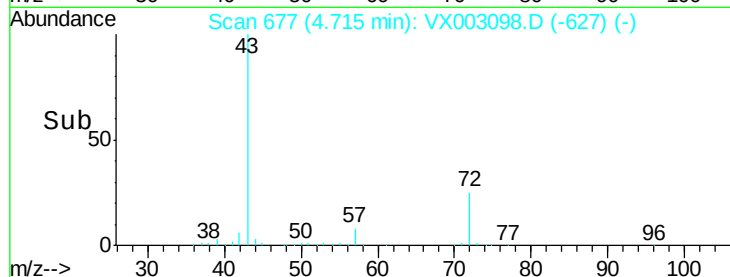
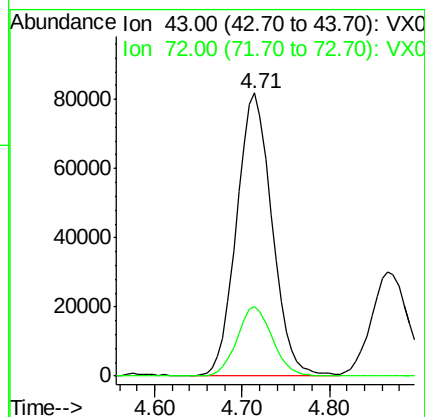
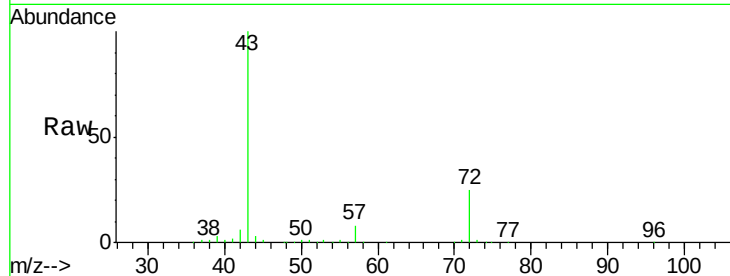
72 24.6 18.5 27.7

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 12.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003098.D

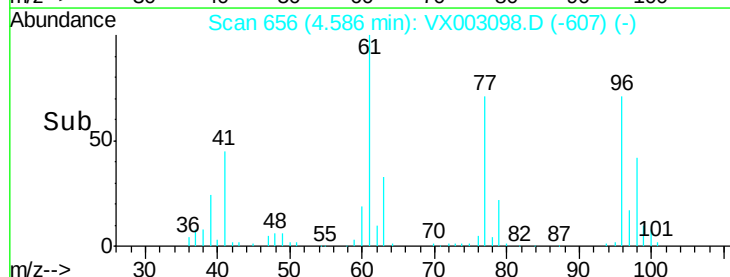
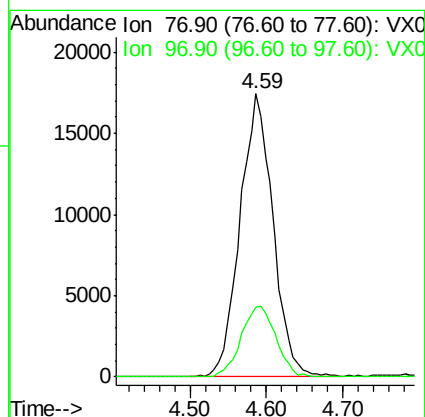
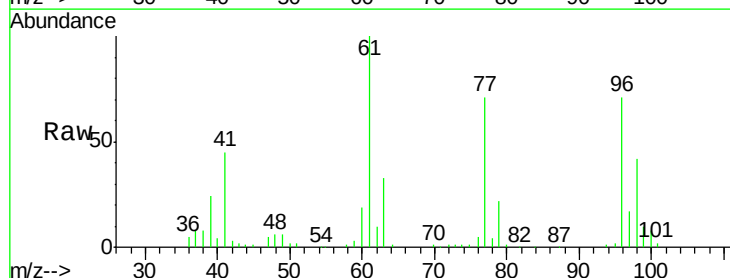
Acq: 01 Jul 2018 01:08

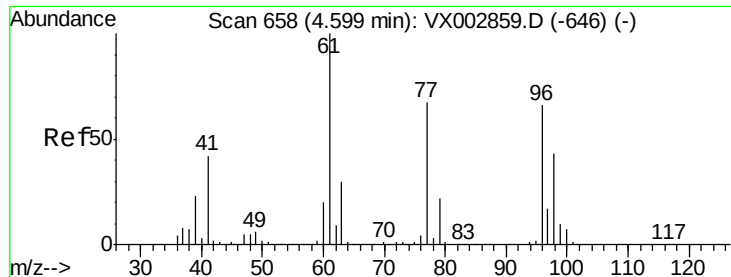
Tgt Ion: 77 Resp: 52173

Ion Ratio Lower Upper

77 100

97 26.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 21.38 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

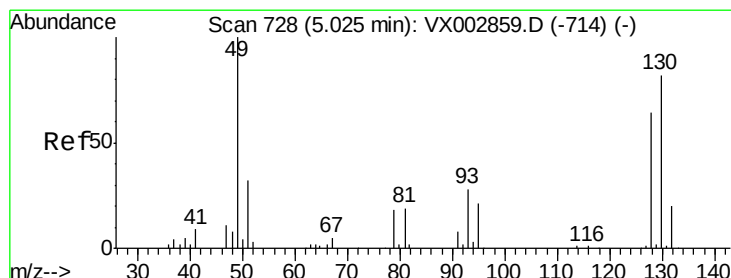
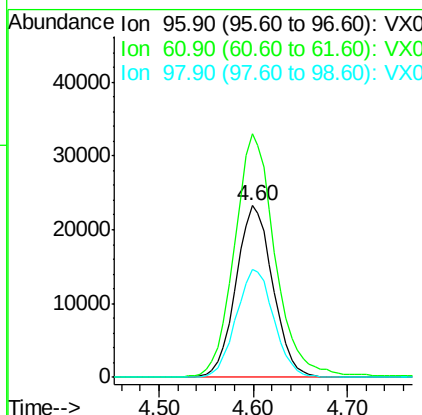
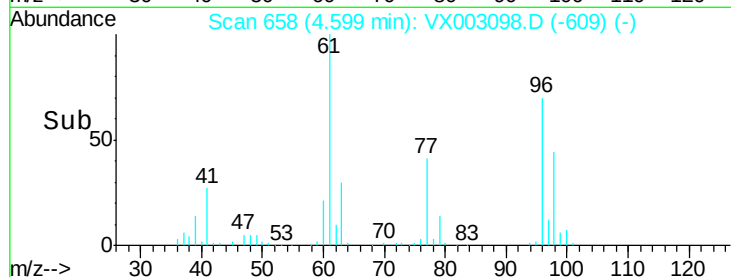
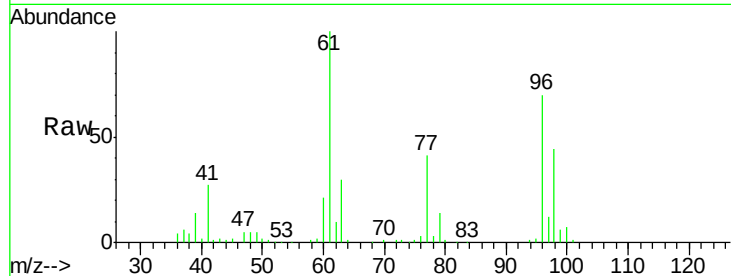
ClientSampled :

VX0630WBS02

Tot Ion:	96	Resp:	63622
Ion	Ratio	Lower	Upper
96	100		
61	157.5	0.0	330.2
98	64.4	0.0	130.2

Manual Integrations
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sam
7/3/2018 5:07:18 PM



#28

Bromochloromethane

Concen: 22.14 ug/l

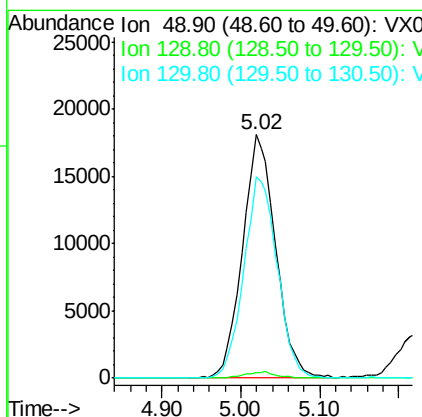
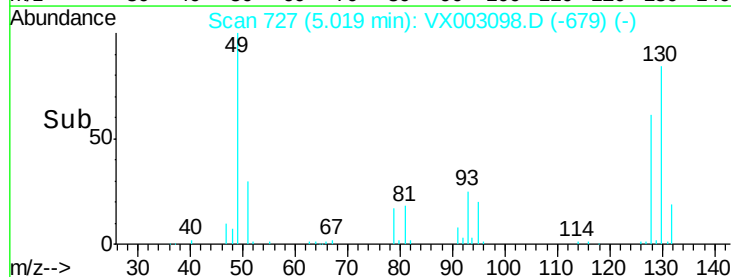
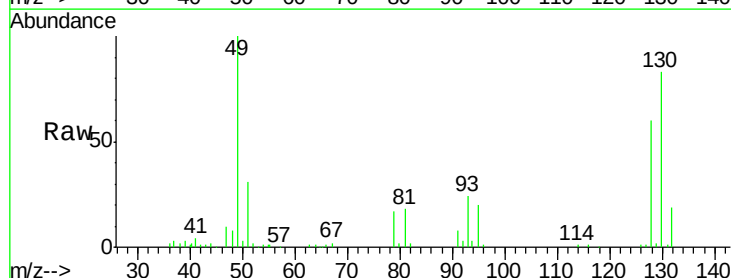
RT: 5.02 min Scan# 727

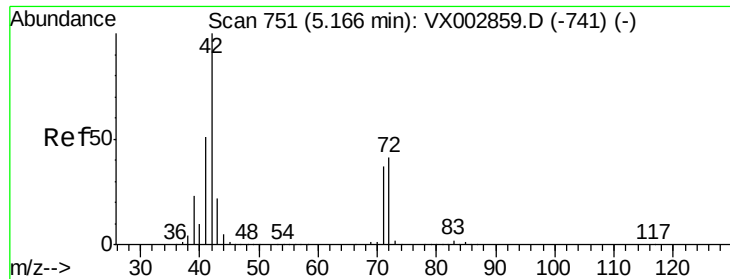
Delta R.T. -0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	49	Resp:	52885
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	83.2	61.2	91.8





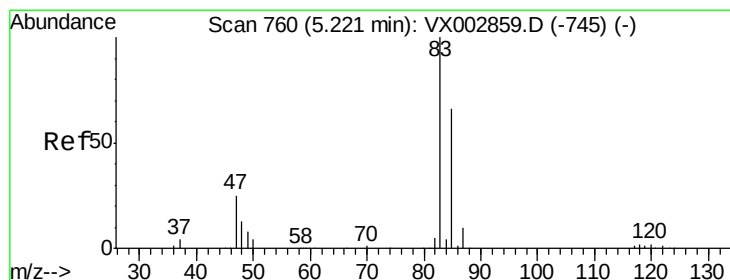
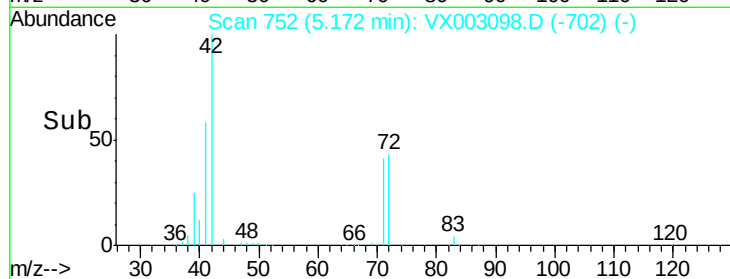
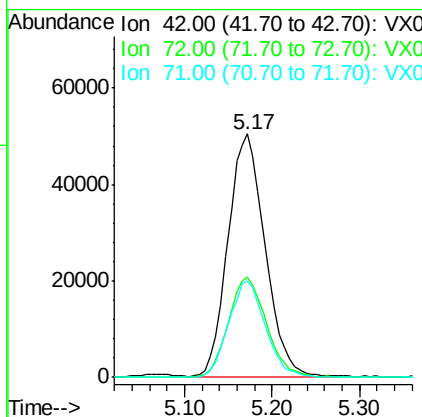
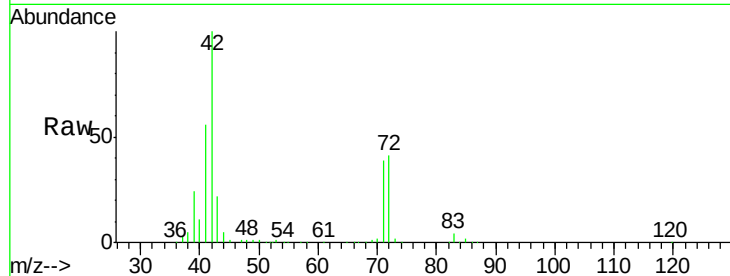
#29
Tetrahydrofuran
Concen: 109.73 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.0	48.0
71	39.6	30.1	45.1

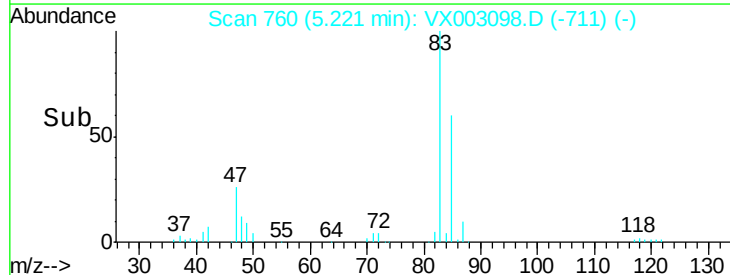
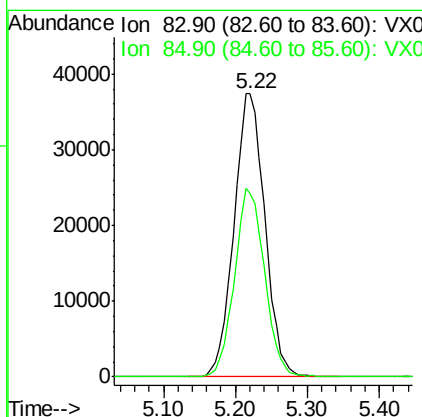
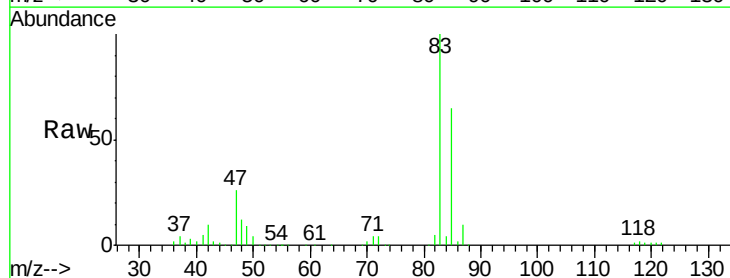
Manual Integrations
APPROVED

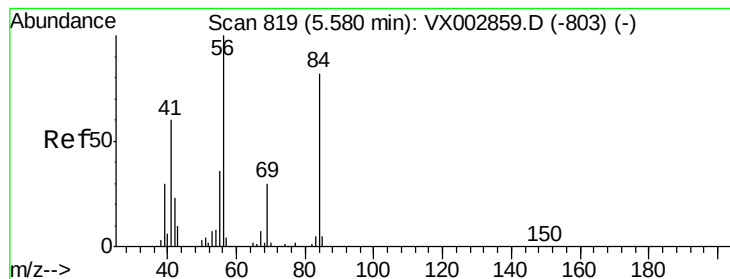
sam
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#30
Chloroform
Concen: 21.68 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.4	75.6





#31

Cyclohexane

Concen: 20.73 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

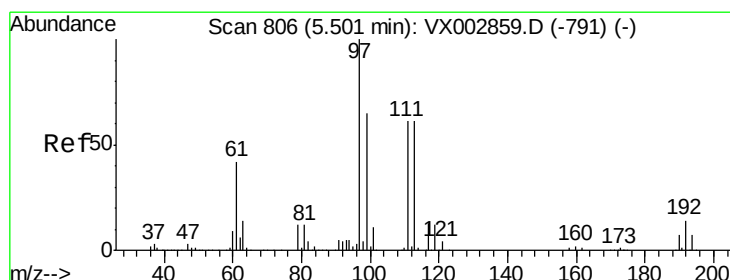
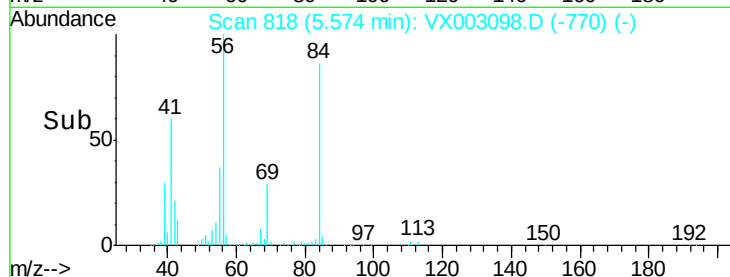
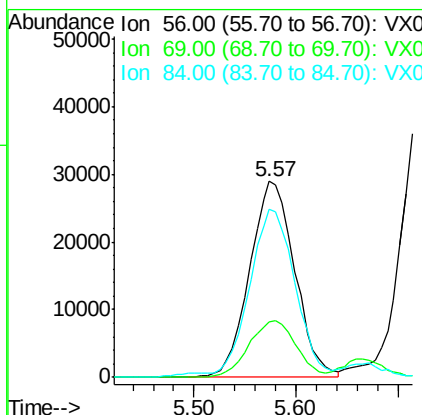
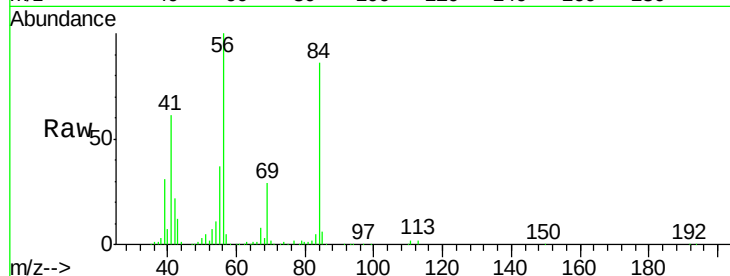
ClientSampleId :

VX0630WBS02

Tot Ion:	56	Resp:	88767
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.7	35.5
84	83.4	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.24 ug/l

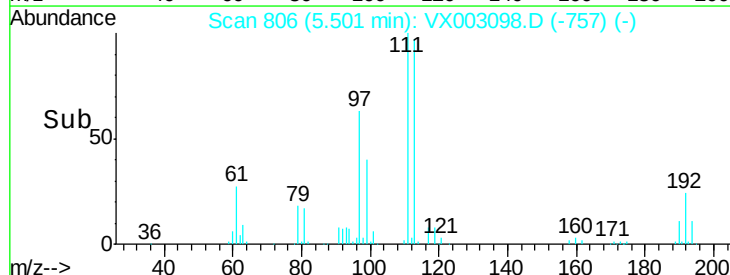
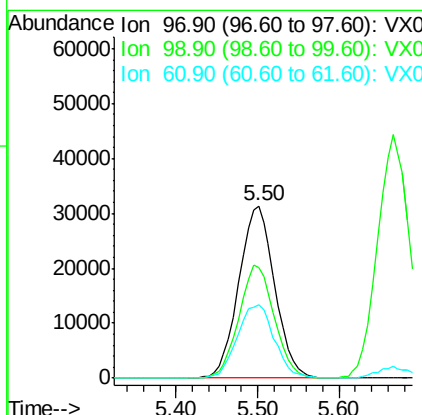
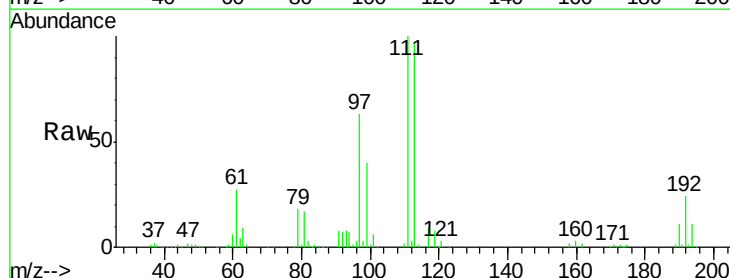
RT: 5.50 min Scan# 806

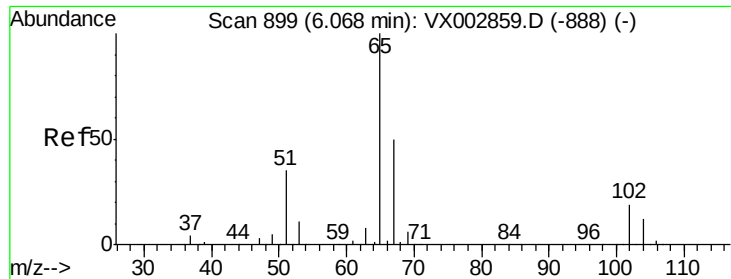
Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	97	Resp:	95711
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	44.2	36.4	54.6





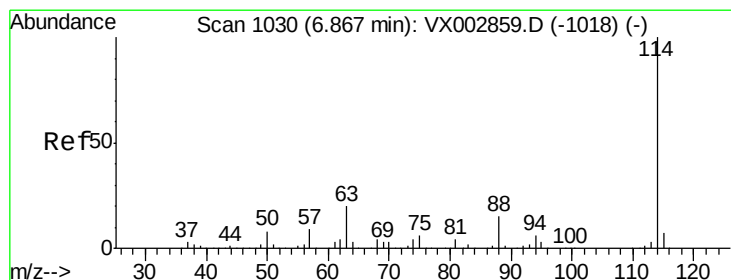
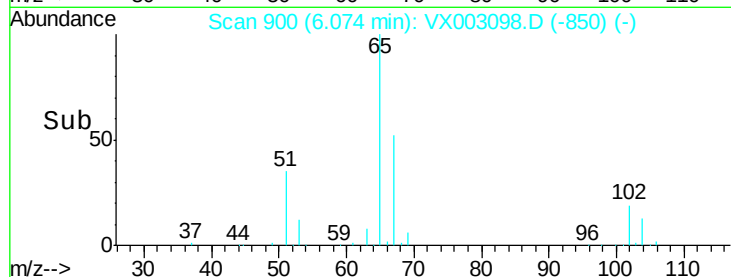
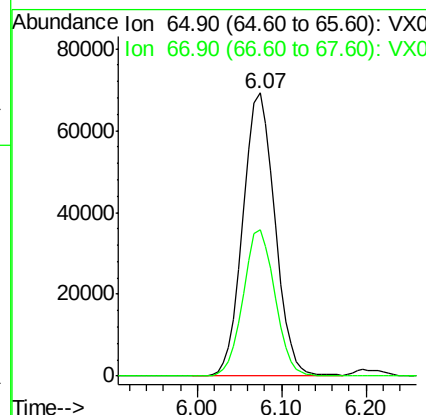
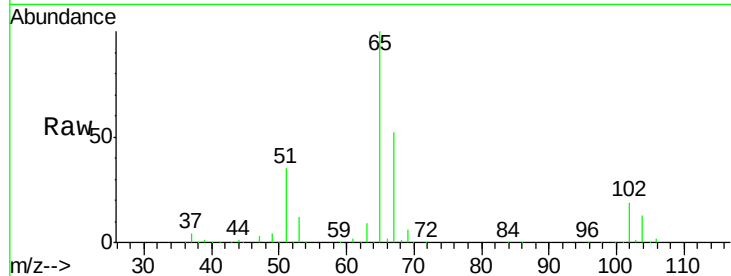
#33
 1,2-Dichloroethane-d4
 Concen: 52.06 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177785		
67	51.6	0.0	102.6	

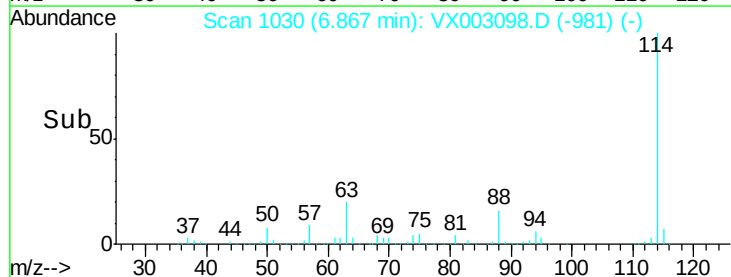
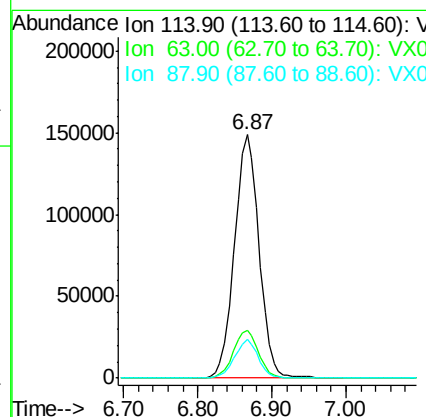
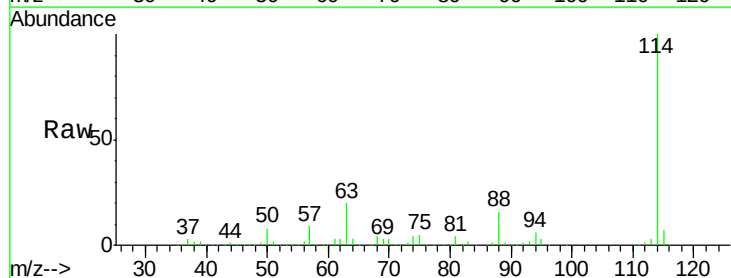
Manual Integrations
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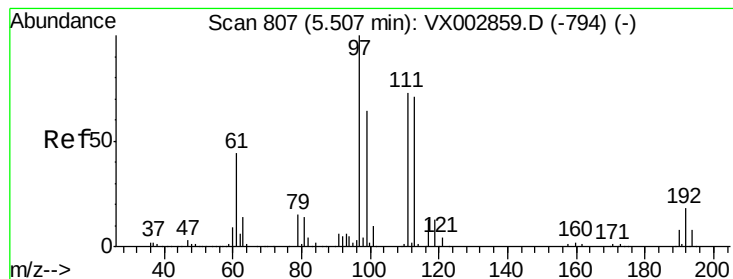
sam
 7/3/2018 5:07:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344648		
63	19.6	0.0	41.4	
88	15.7	0.0	30.0	





#35

Dibromofluoromethane

Concen: 53.17 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

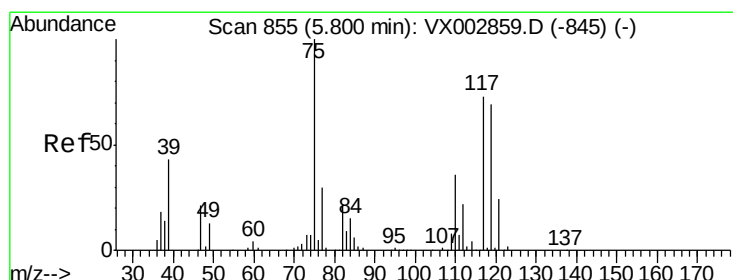
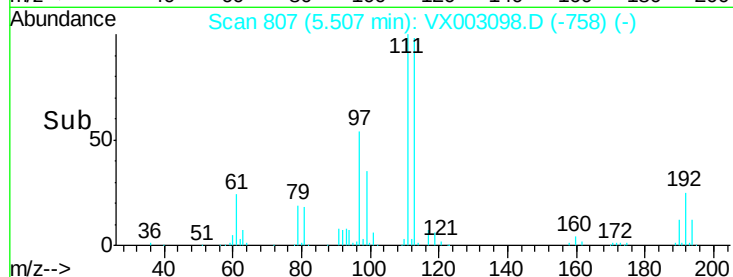
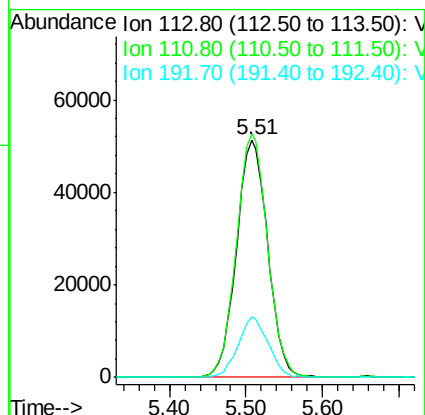
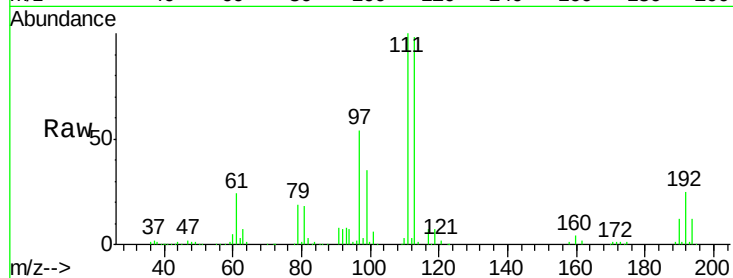
ClientSampled :

VX0630WBS02

Tot Ion:	113	Resp:	145123
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.4	122.0
192	24.6	19.1	28.7

Manual Integrations
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sam
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#36

1,1-Dichloropropene

Concen: 20.44 ug/l

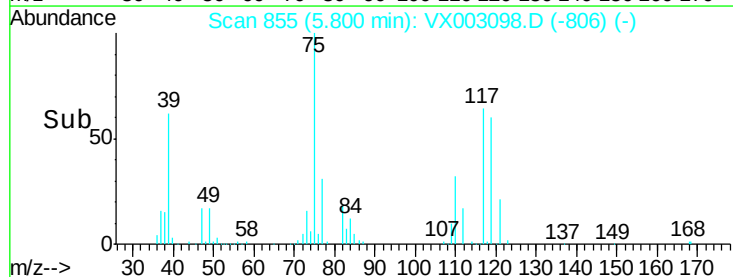
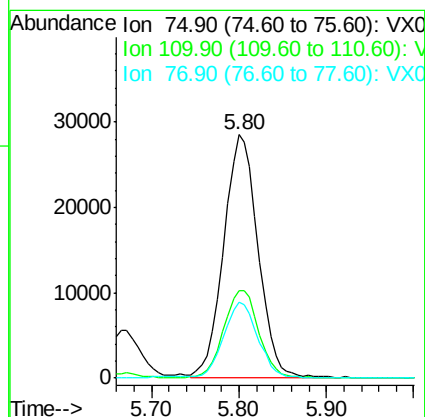
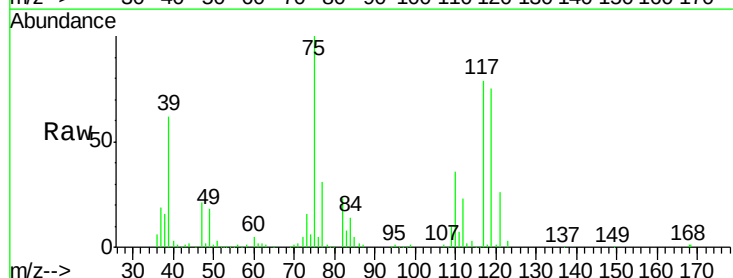
RT: 5.80 min Scan# 855

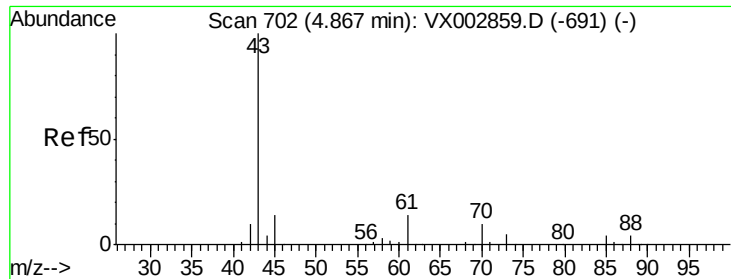
Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	75	Resp:	77235
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.1	54.4
77	30.4	24.3	36.5





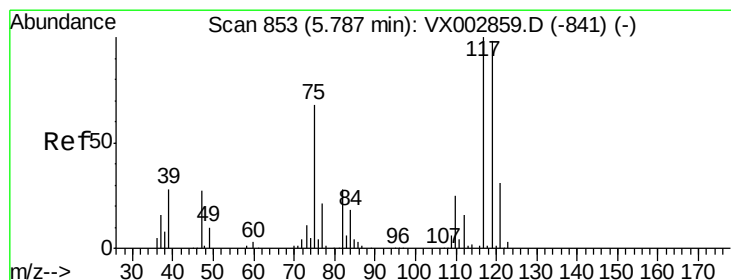
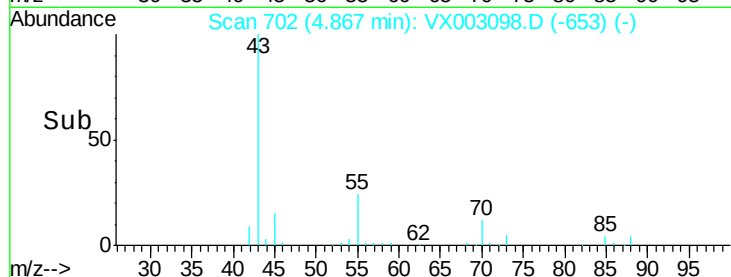
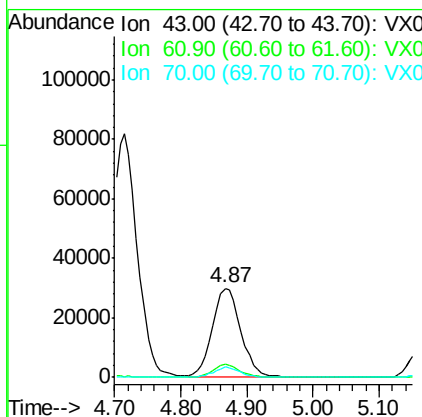
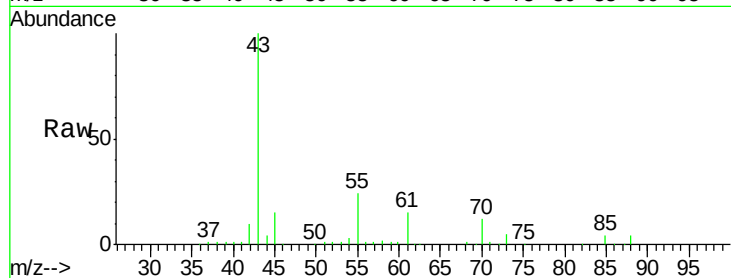
#37
Ethyl Acetate
Concen: 21.97 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	10.4	7.6	11.4

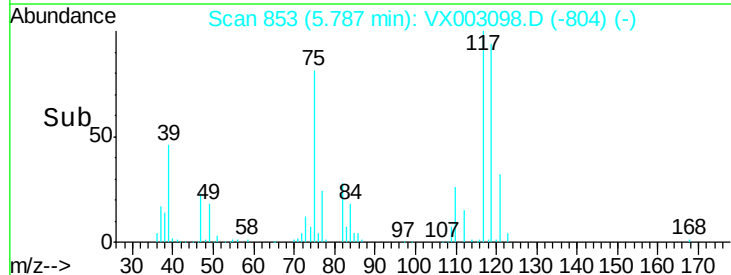
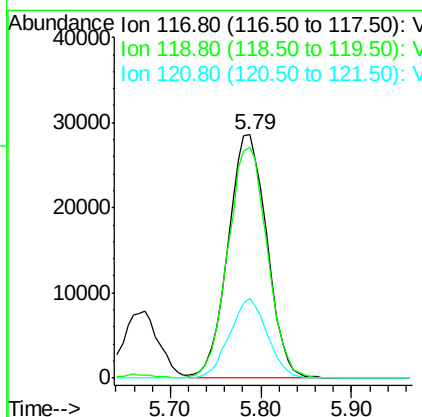
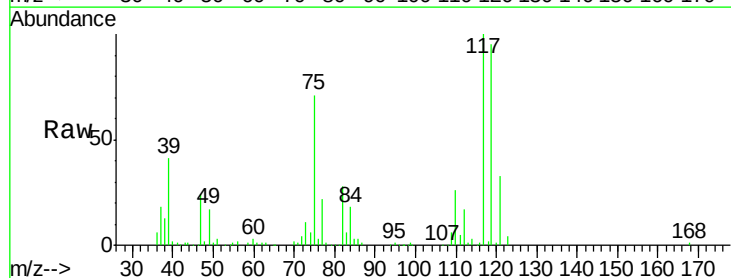
Manual Integrations
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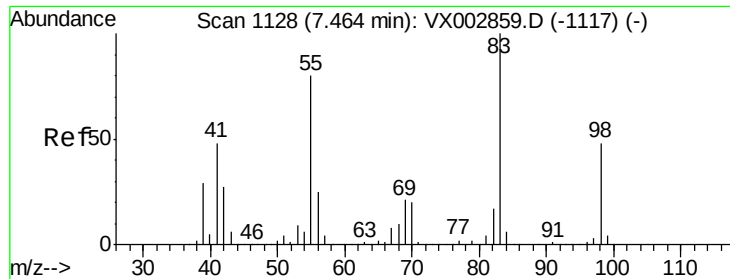
sam
7/3/2018 5:07:18 PM



#38
Carbon Tetrachloride
Concen: 20.51 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	32.6	24.4	36.6





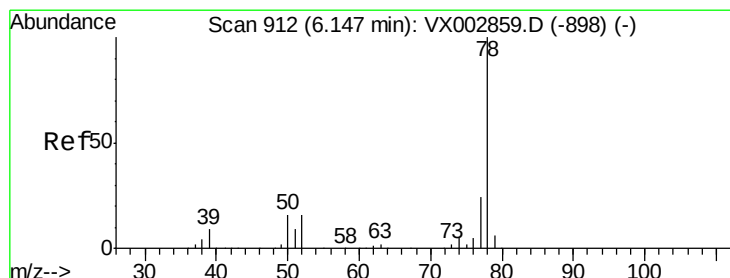
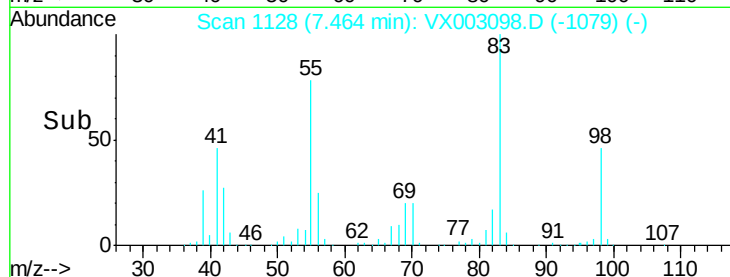
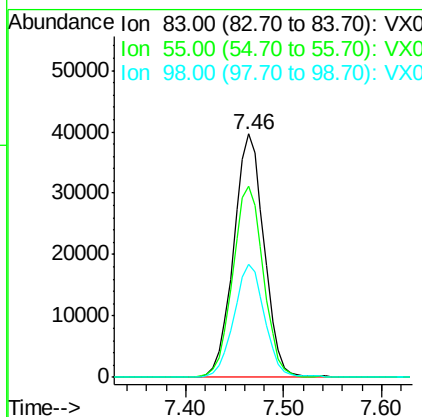
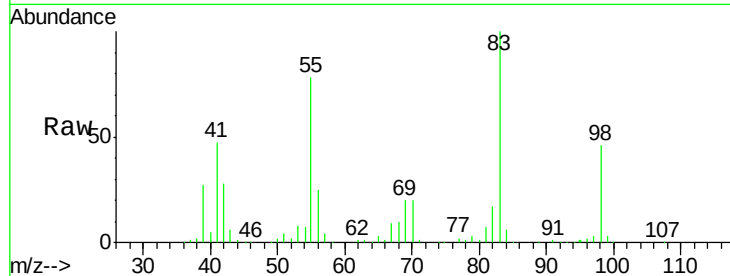
#39
Methylvlcyclohexane
Concen: 19.41 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion	83	Resp	85471
Ion Ratio	100	Lower	Upper
83	100		
55	78.5	65.4	98.0
98	46.2	37.4	56.0

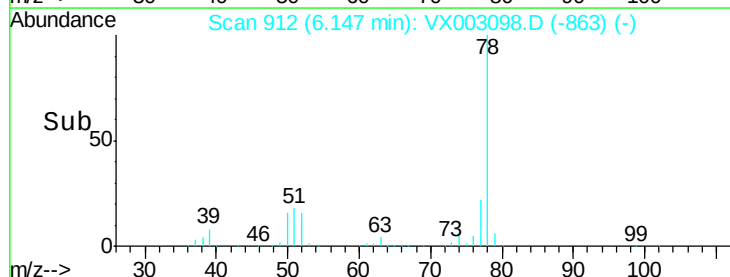
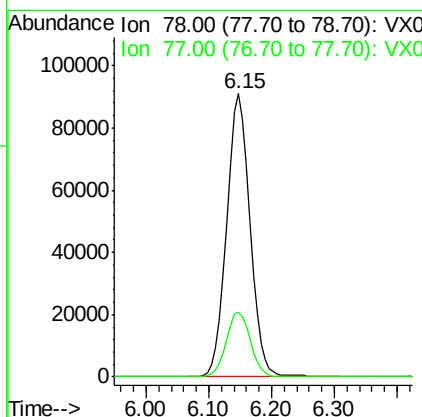
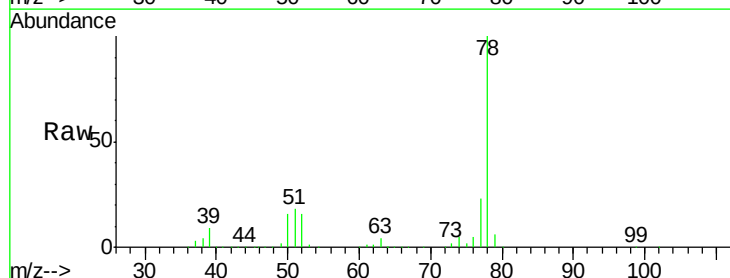
Manual Integrations
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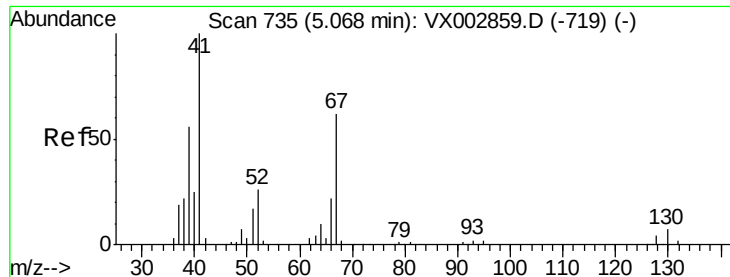
sam
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#40
Benzene
Concen: 21.41 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	78	Resp	235108
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	19.1	28.7





#41

Methacrylonitrile

Concen: 21.32 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

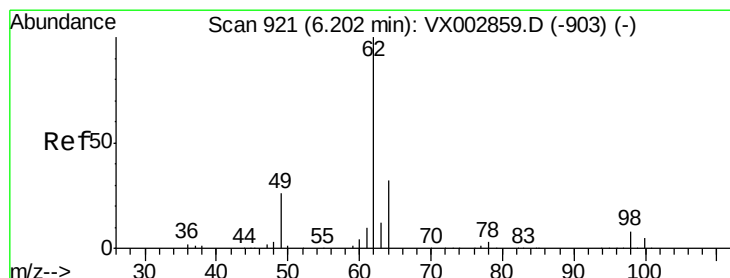
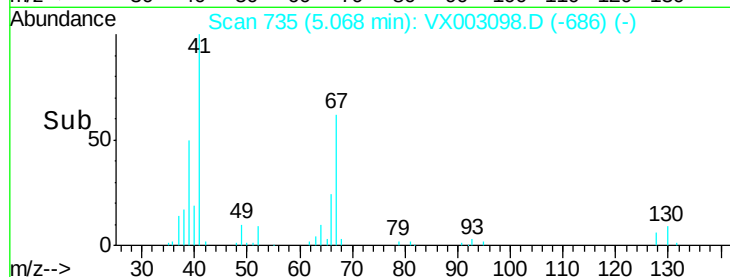
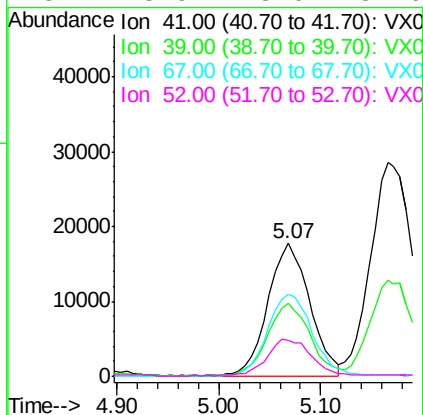
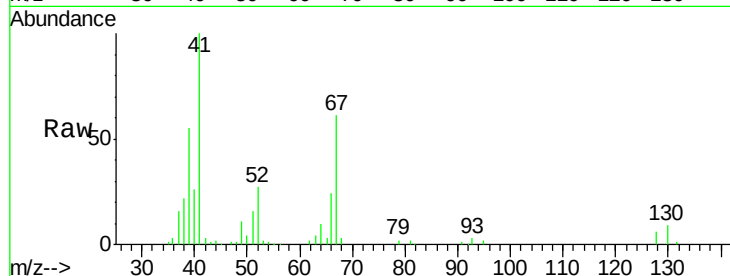
ClientSampled :

VX0630WBS02

Tot Ion:	41	Resp:	49949
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.8	68.6
67	67.4	51.3	76.9
52	28.9	23.0	34.6

Manual Integrations
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7/3/2018 5:07:18 PM



#42

1,2-Dichloroethane

Concen: 20.61 ug/l

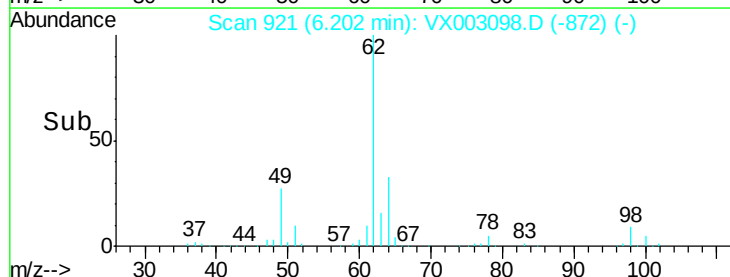
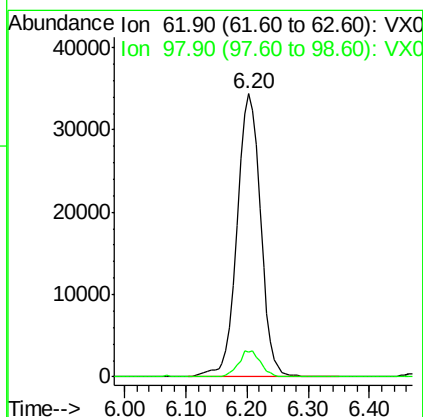
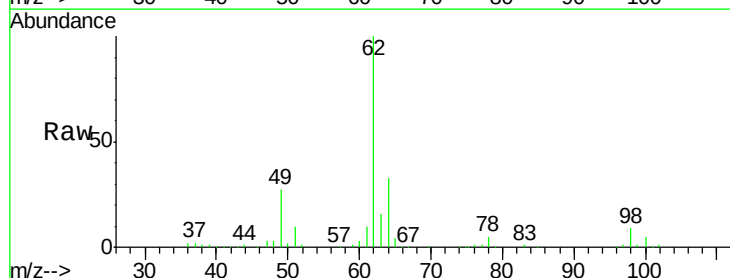
RT: 6.20 min Scan# 921

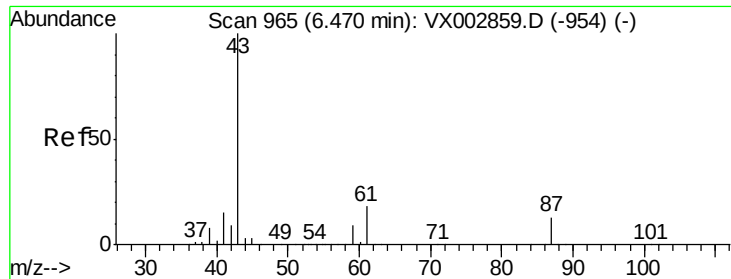
Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	62	Resp:	91412
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





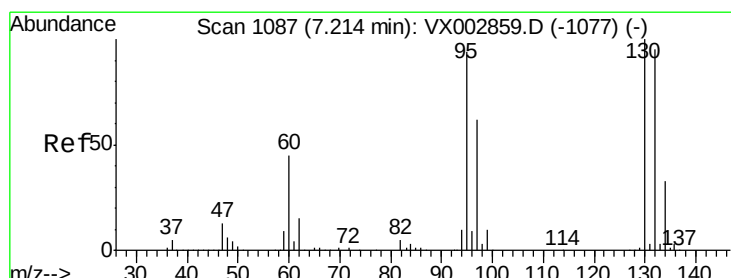
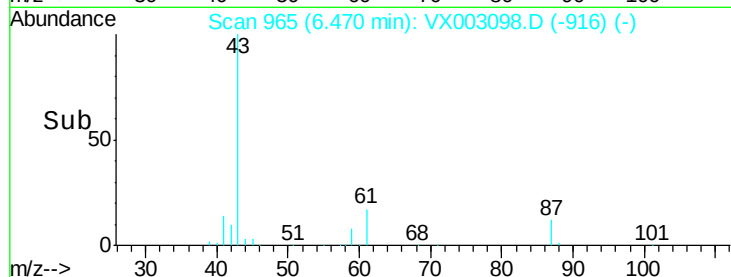
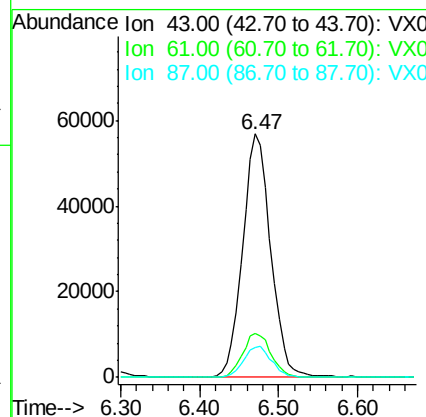
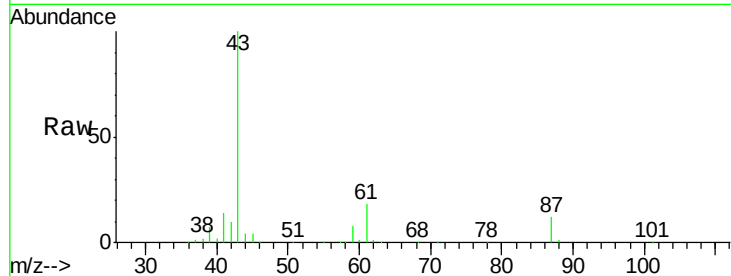
#43
Isopropyl Acetate
Concen: 20.53 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.4	21.6
87	12.7	9.5	14.3

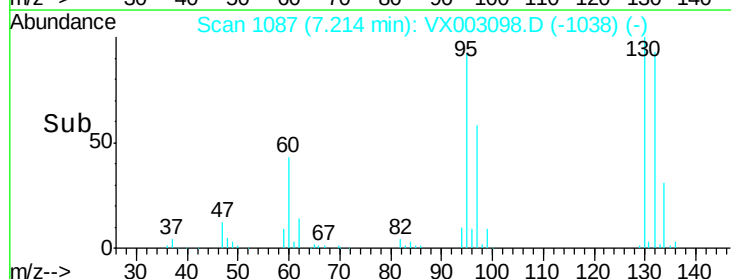
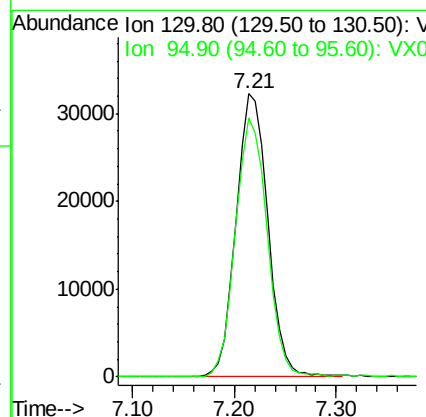
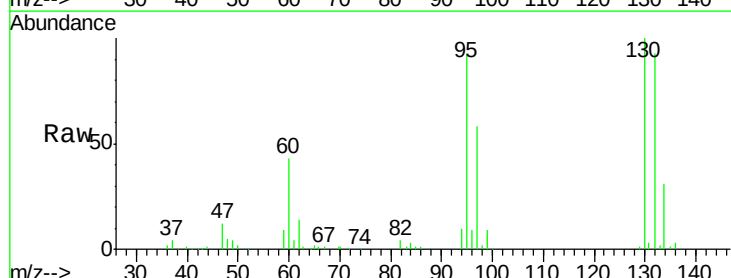
Manual Integrations
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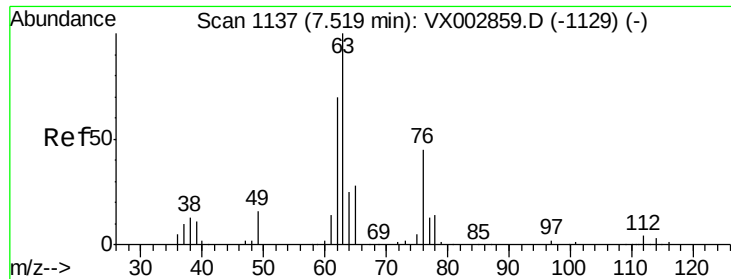
sam
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#44
Trichloroethene
Concen: 21.29 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	185.4





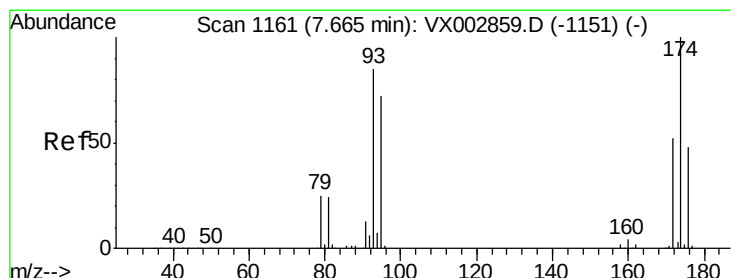
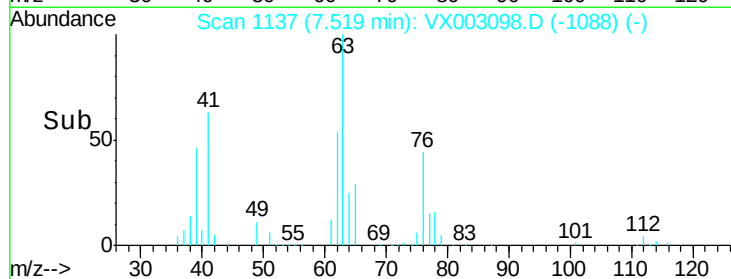
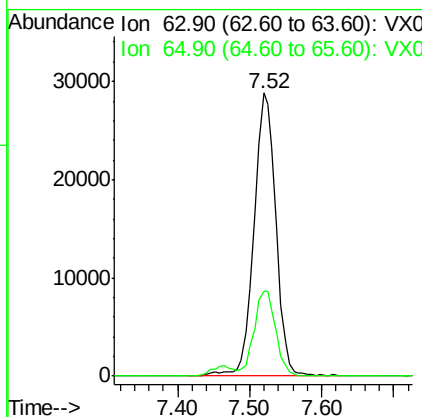
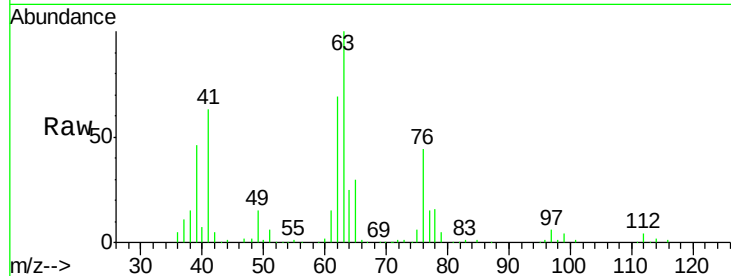
#45
 1,2-Dichloropropane
 Concen: 20.94 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion: 63 Resp: 60996
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.7 37.1

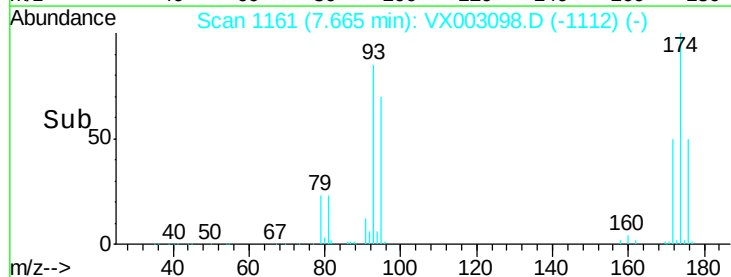
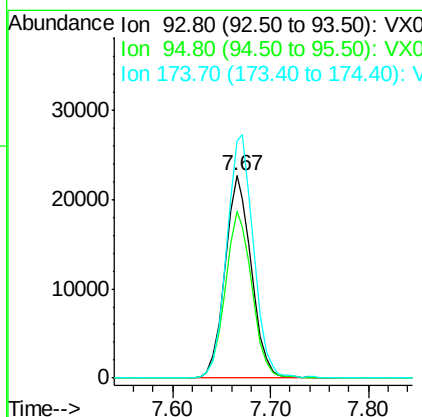
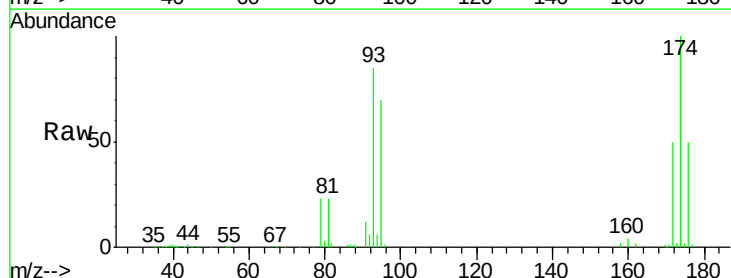
Manual Integrations
 APPROVED

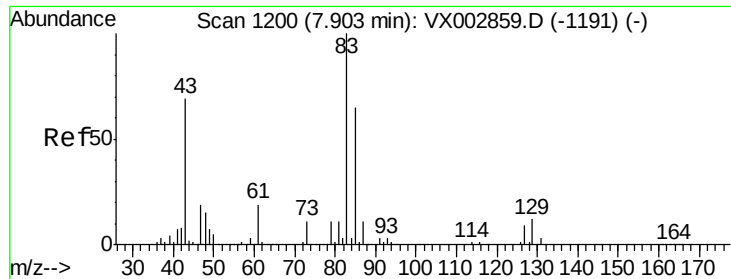
sam
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#46
 Dibromomethane
 Concen: 20.83 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion: 93 Resp: 42120
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 122.2 92.4 138.6





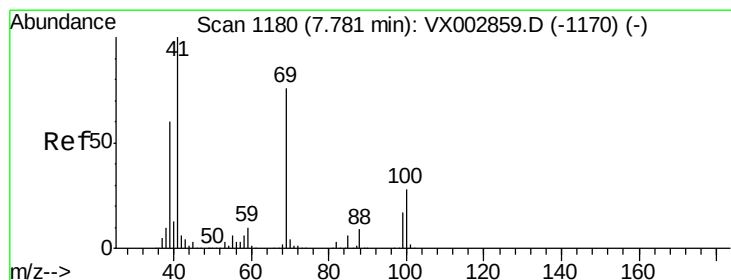
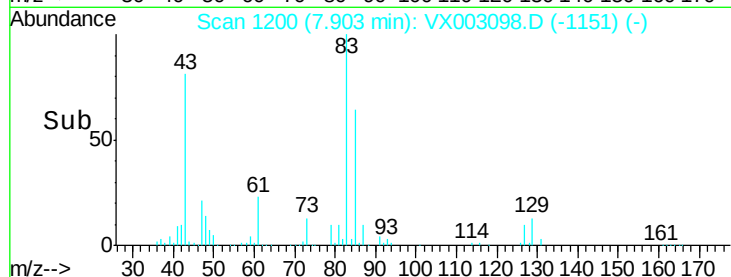
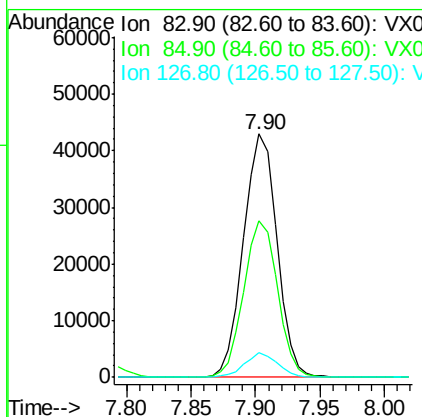
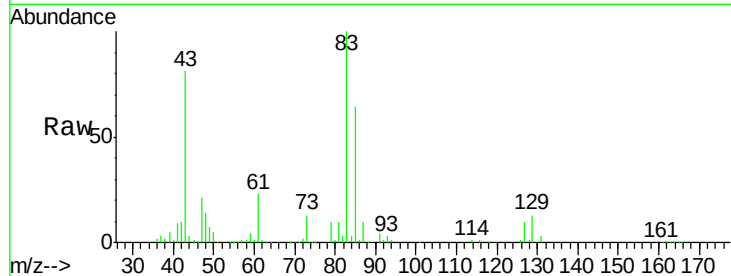
#47
 Bromodichloromethane
 Concen: 20.73 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion	83	Resp	77456
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.3	75.5
127	10.0	7.0	10.4

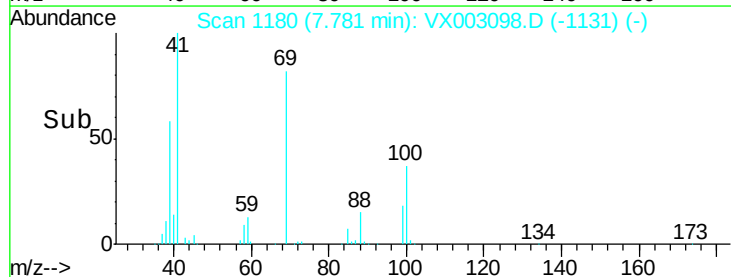
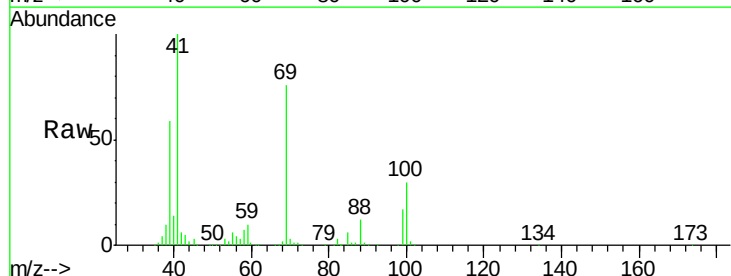
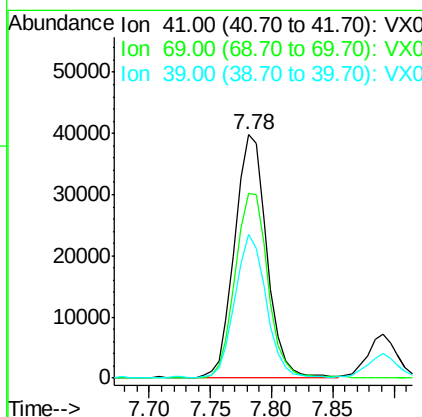
Manual Integrations
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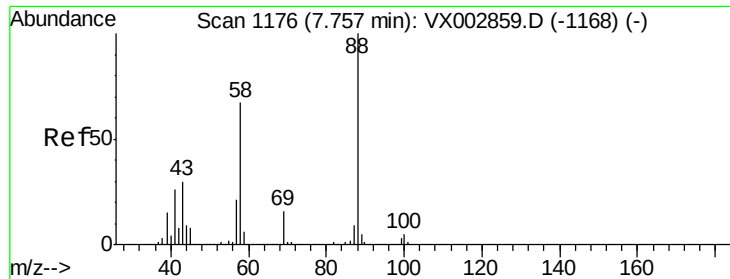
sam
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#48
 Methyl methacrylate
 Concen: 20.45 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	41	Resp	71905
Ion Ratio	100	Lower	Upper
41	100		
69	78.4	59.1	88.7
39	56.8	48.9	73.3





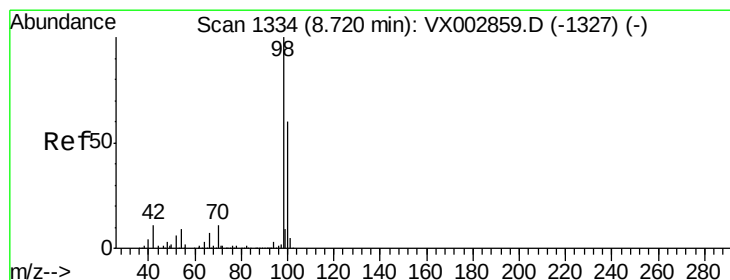
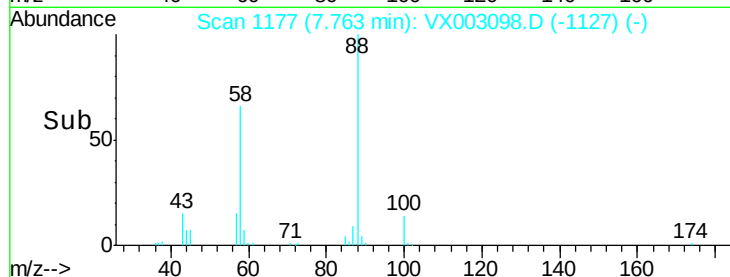
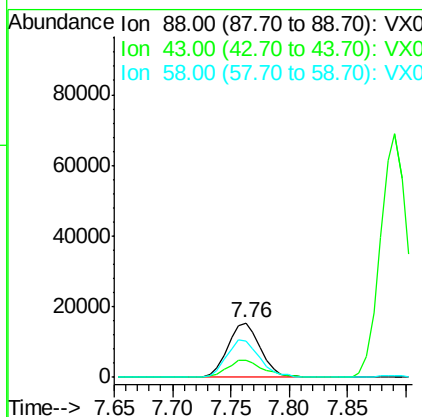
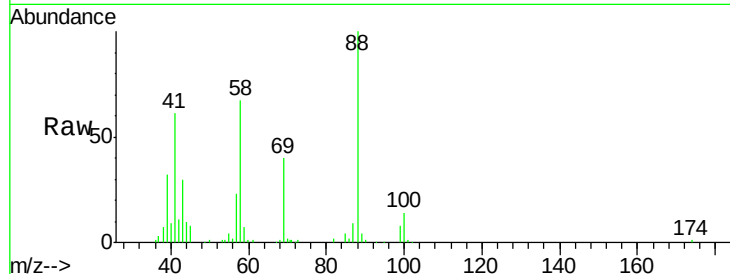
#49
1,4-Dioxane
Concen: 438.47 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	29.8	44.6
58	71.3	57.1	85.7

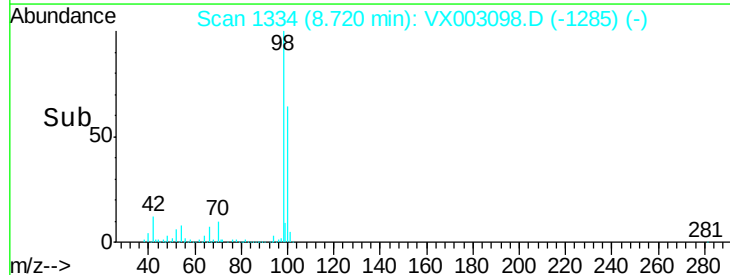
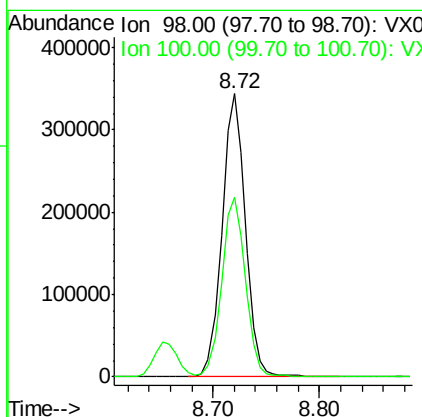
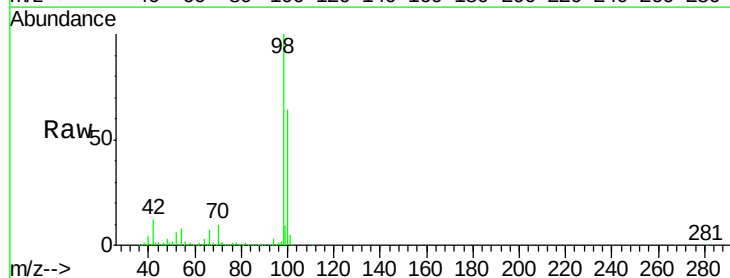
Manual Integrations
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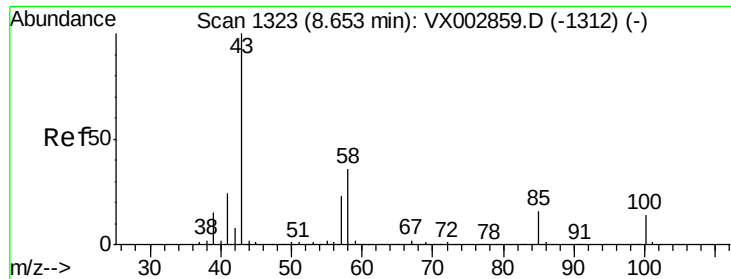
sam
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#50
Toluene-d8
Concen: 52.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 107.45 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion: 43 Resp: 458836

Ion Ratio Lower Upper

43 100

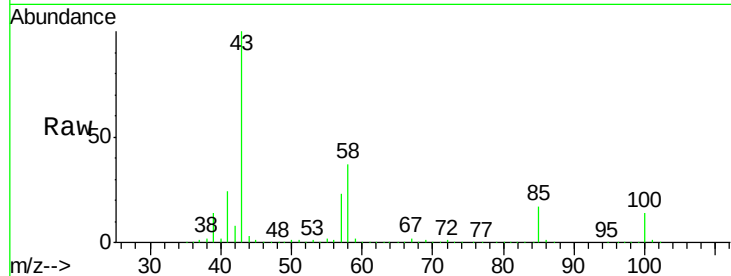
58 36.9 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

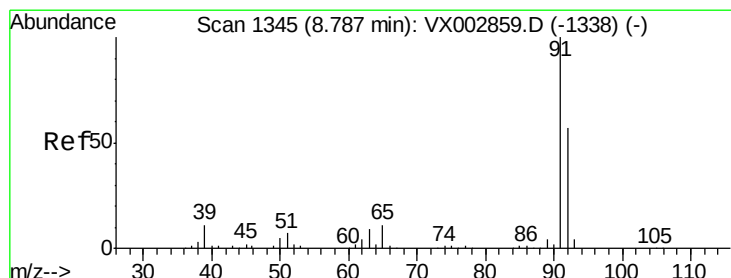
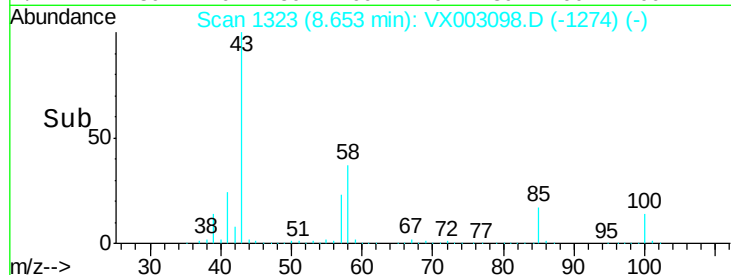
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.72 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003098.D

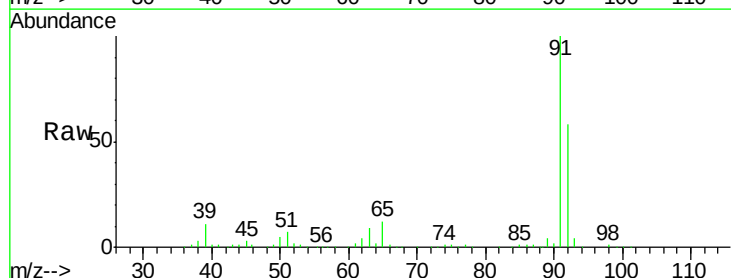
Acq: 01 Jul 2018 01:08

Tgt Ion: 92 Resp: 152805

Ion Ratio Lower Upper

92 100

91 173.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

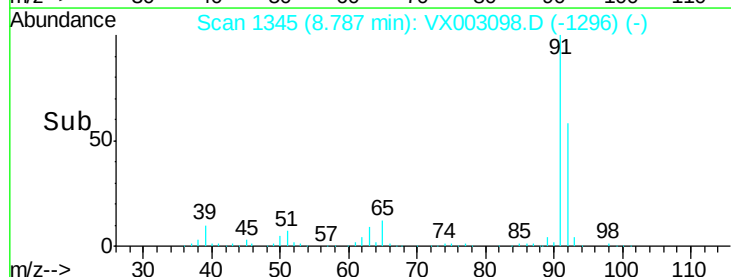
150000

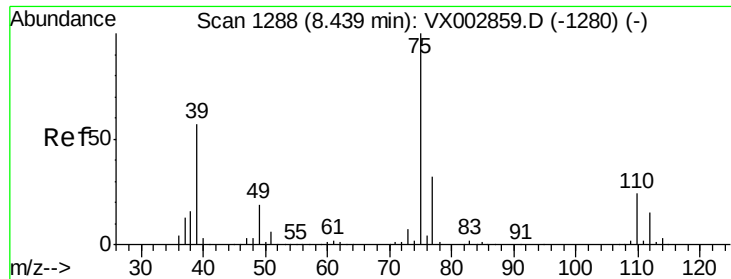
100000

50000

0

Time--> 8.70 8.80 8.90 9.00





#53

t-1,3-Dichloropropene

Concen: 19.66 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampled :

VX0630WBS02

Tot Ion: 75 Resp: 83196

Ion Ratio Lower Upper

75 100

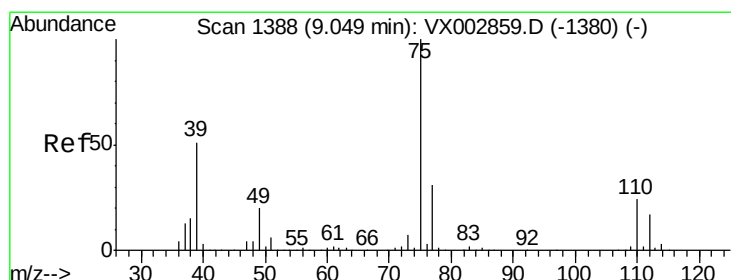
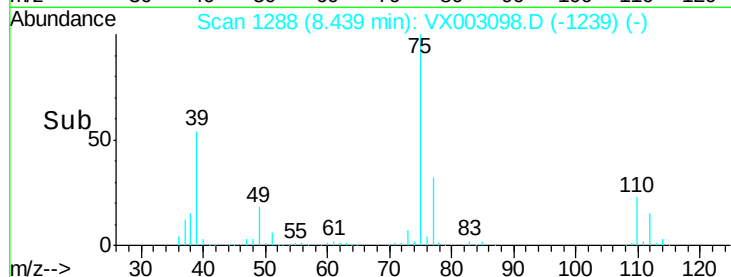
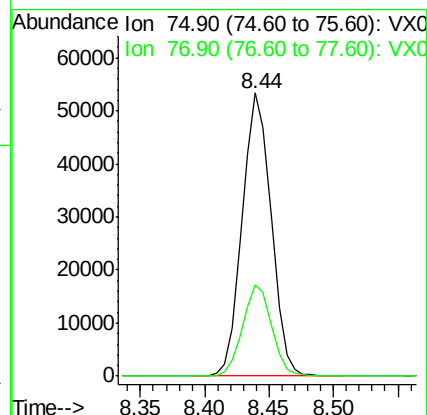
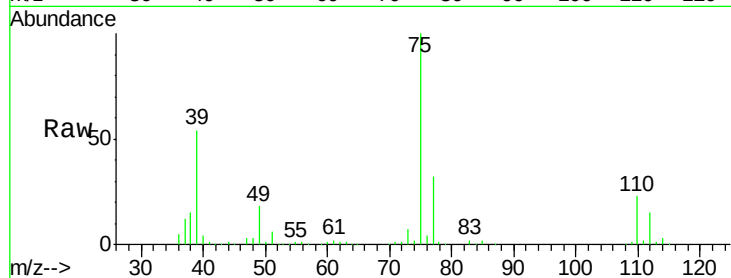
77 32.2 25.4 38.2

Manual Integrations

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sam

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#54

cis-1,3-Dichloropropene

Concen: 18.82 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

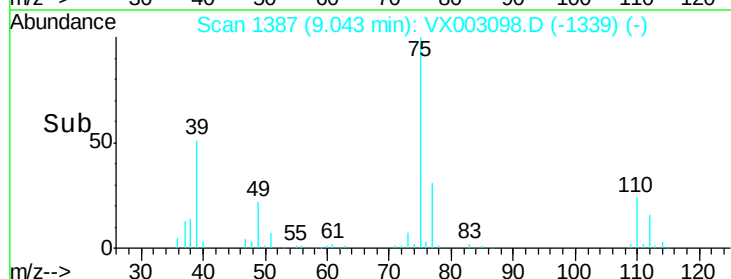
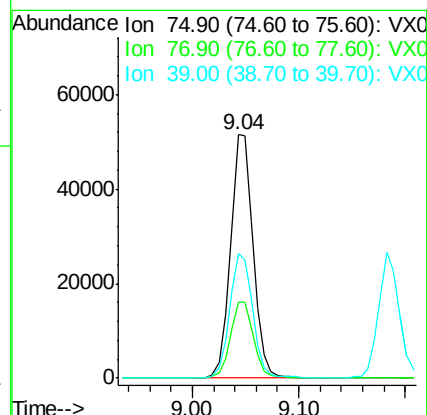
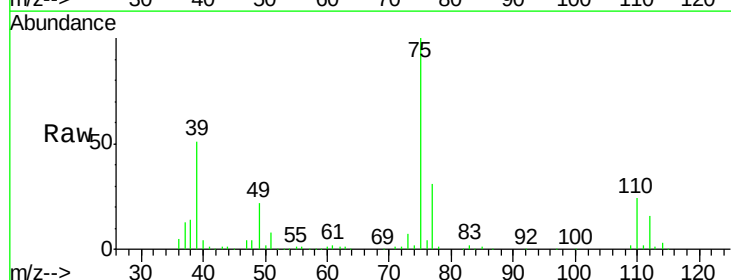
Tgt Ion: 75 Resp: 76641

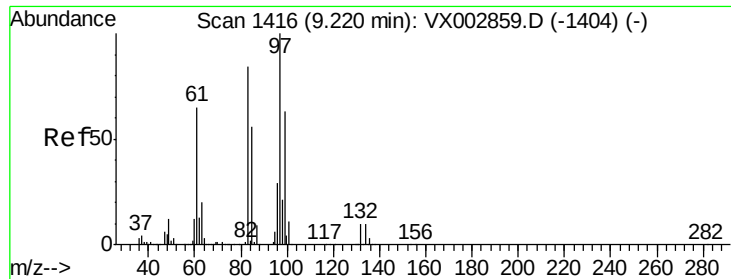
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 51.2 42.4 63.6





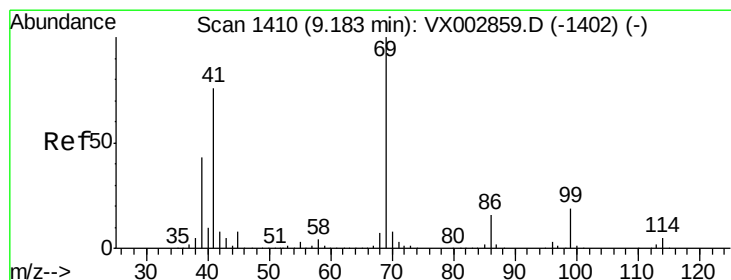
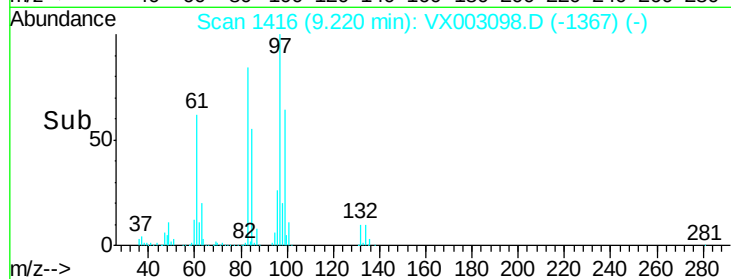
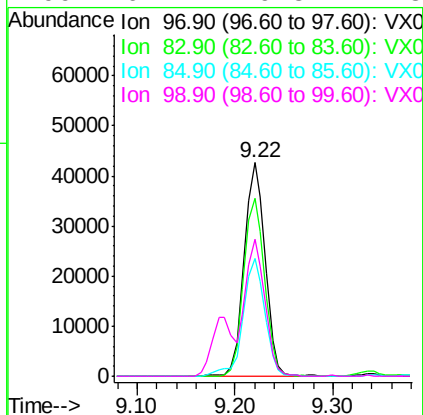
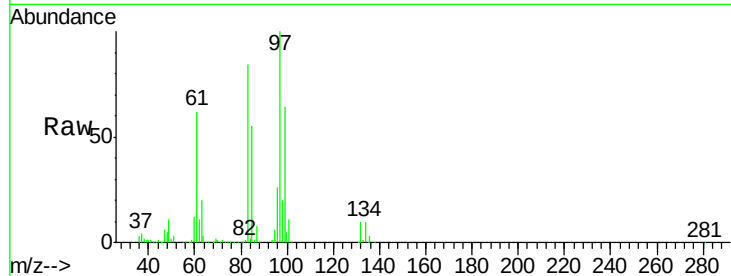
#55
 1,1,2-Trichloroethane
 Concen: 22.01 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion:	97	Resp:	63629
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.2
85	55.0	44.9	67.3
99	64.4	49.8	74.8

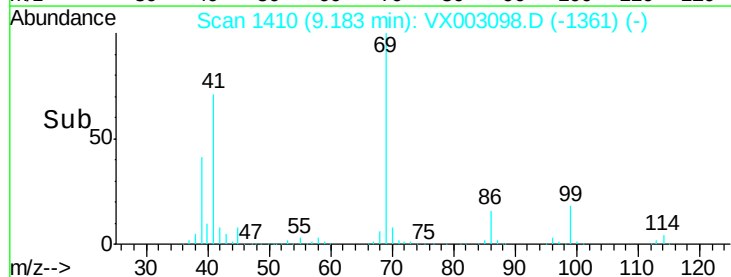
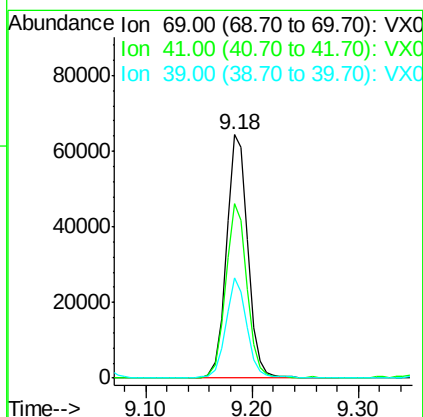
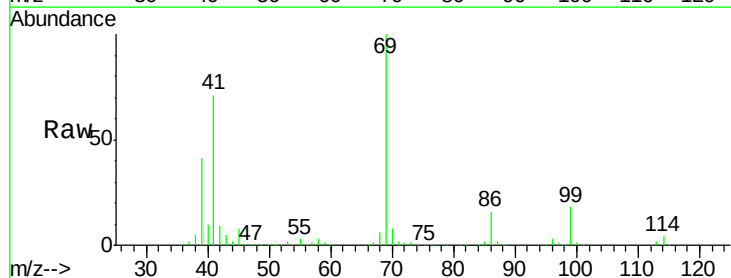
Manual Integrations
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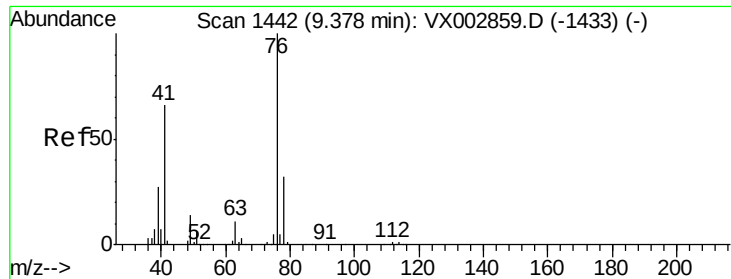
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#56
 Ethyl methacrylate
 Concen: 21.41 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion:	69	Resp:	90438
Ion	Ratio	Lower	Upper
69	100		
41	70.8	60.3	90.5
39	39.8	35.8	53.8





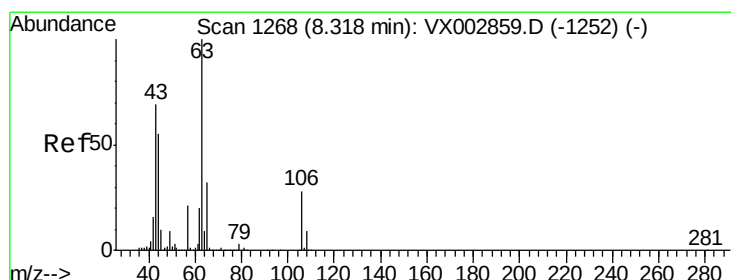
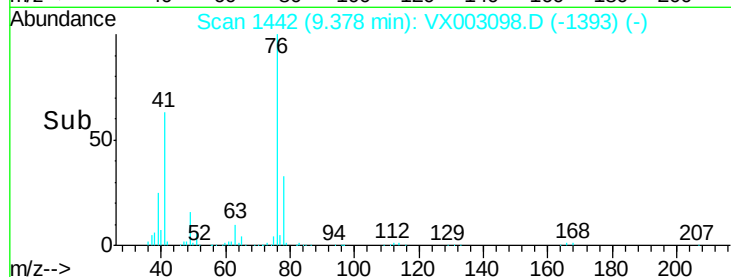
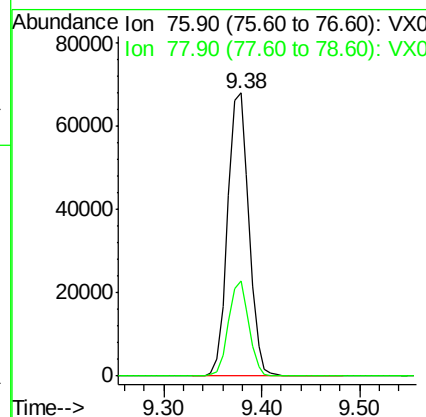
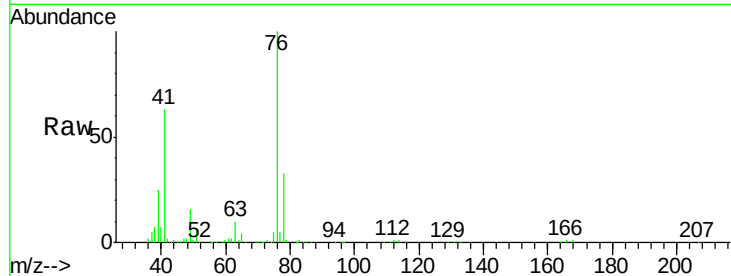
#57
 1,3-Dichloropropane
 Concen: 21.59 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion: 76 Resp: 102502
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

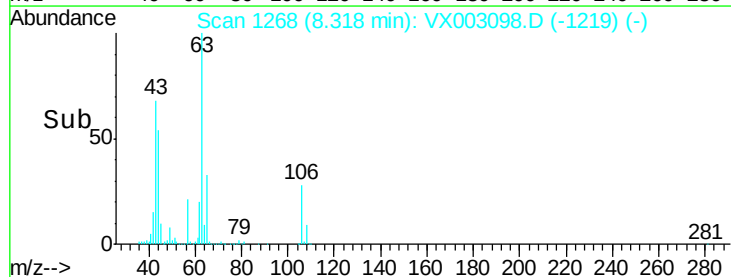
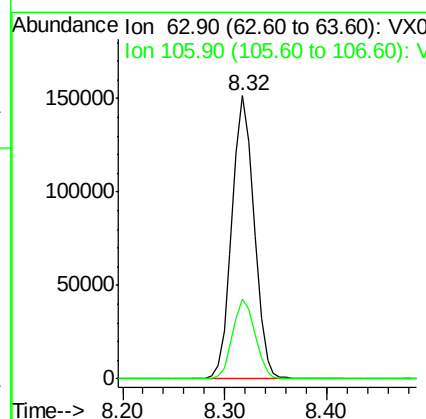
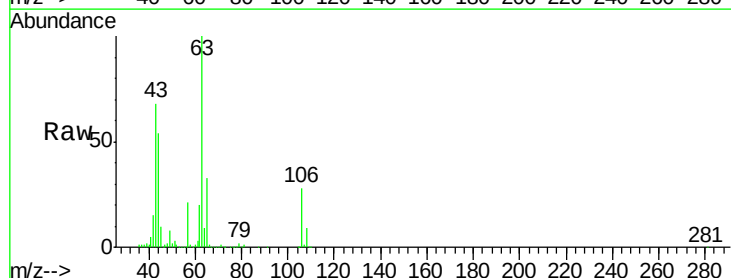
Manual Integrations
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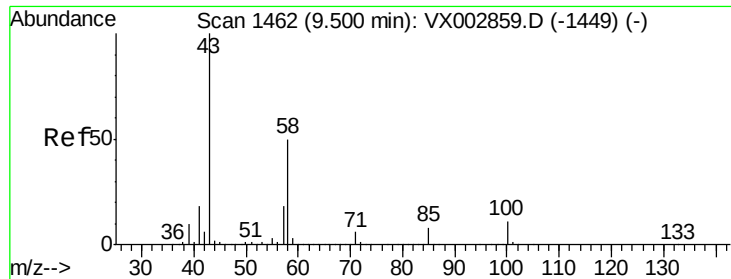
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion: 63 Resp: 228899
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.8





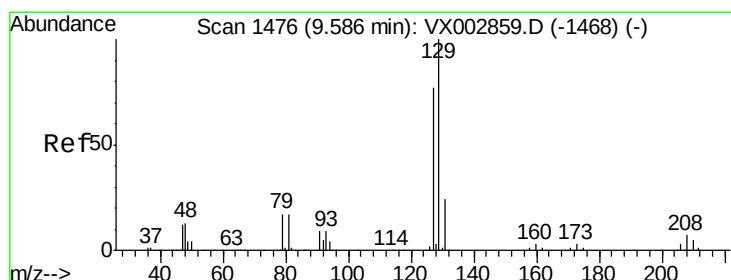
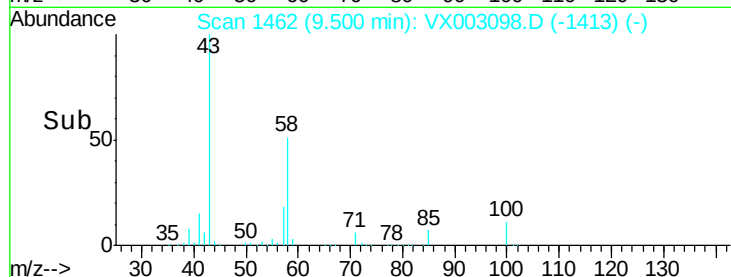
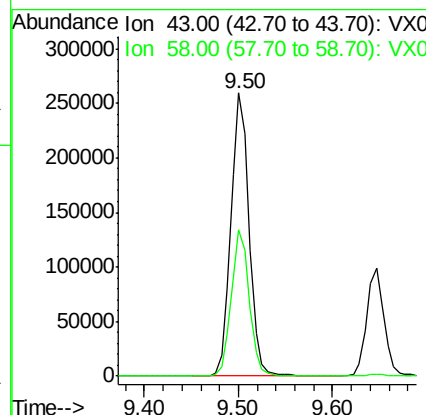
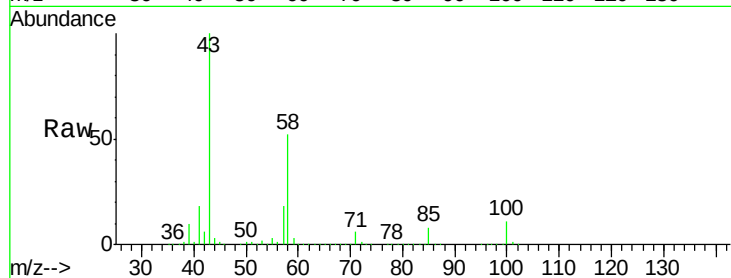
#59
2-Hexanone
Concen: 107.02 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBS02

Tot Ion: 43 Resp: 347300
Ion Ratio Lower Upper
43 100
58 51.2 24.6 73.6

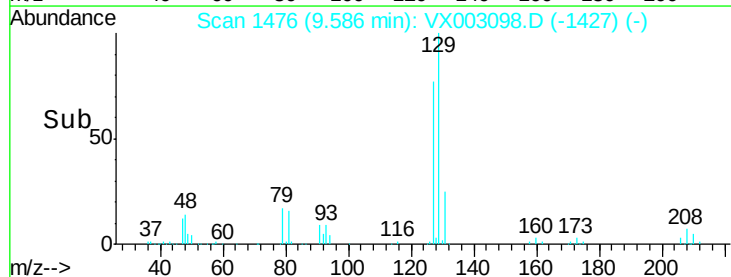
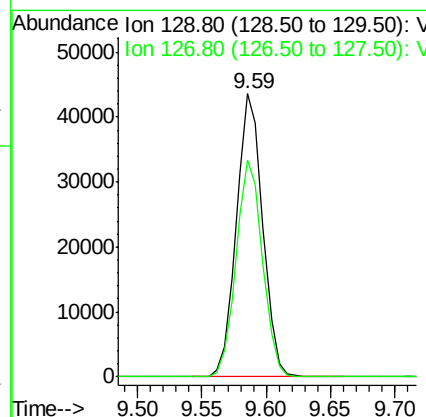
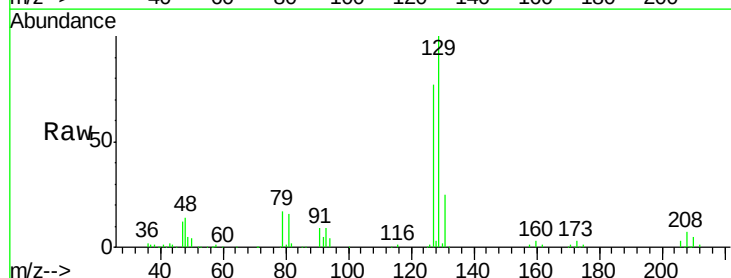
Manual Integrations
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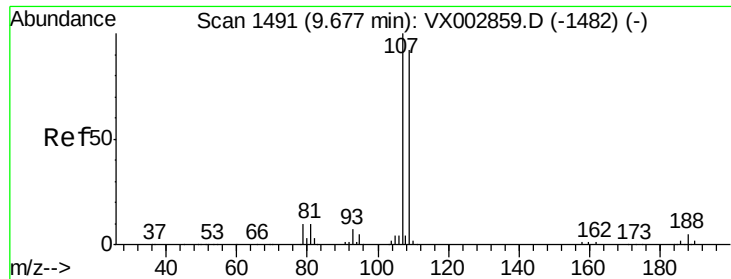
sam
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#60
Dibromochloromethane
Concen: 20.43 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion: 129 Resp: 62164
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.15 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampled :

VX0630WBS02

Tot Ion:107 Resp: 64145

Ion Ratio Lower Upper

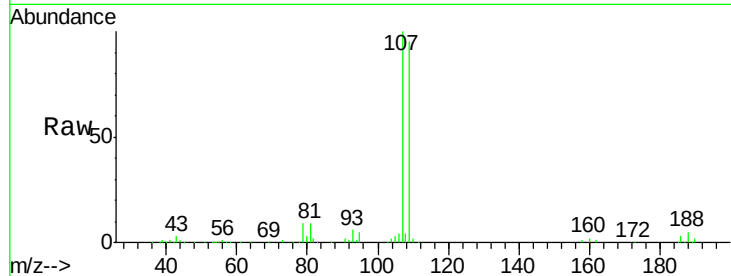
107 100

109 95.0 75.3 112.9

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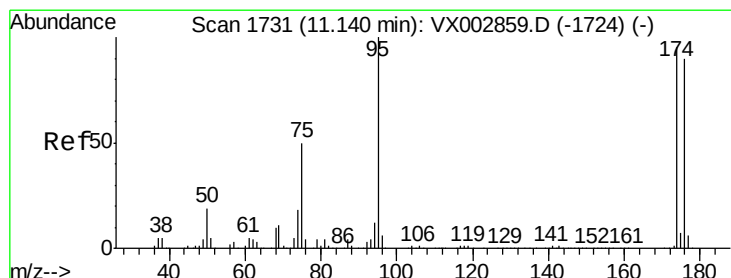
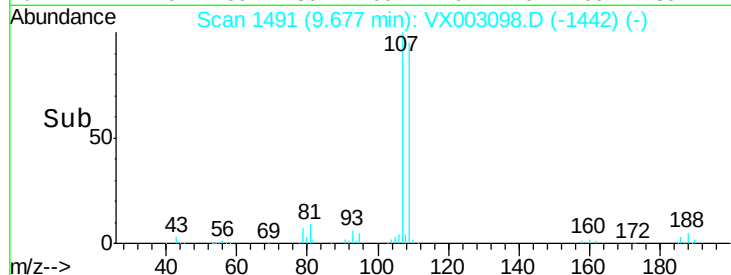
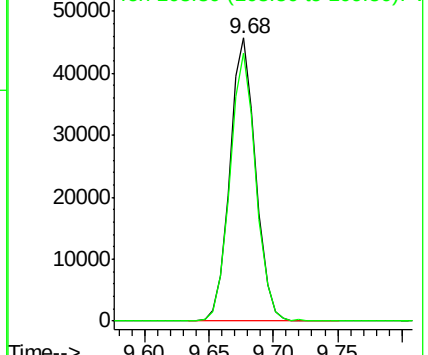
sam

7/3/2018 5:07:18 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

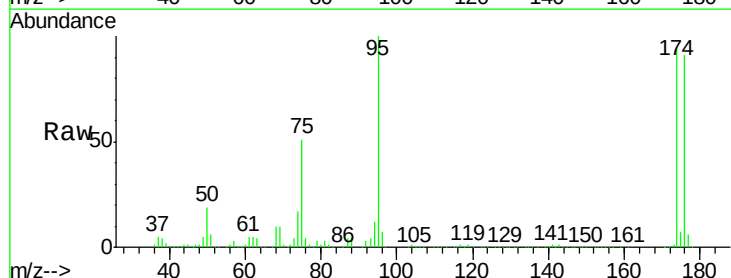
Tgt Ion: 95 Resp: 196479

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

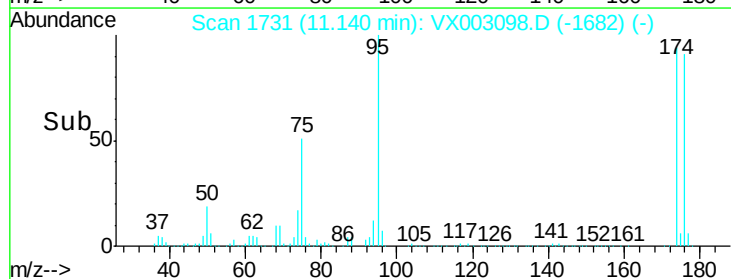
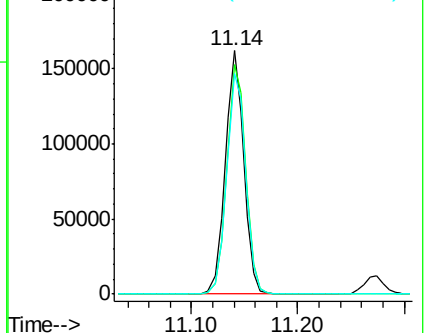
176 94.0 0.0 181.0

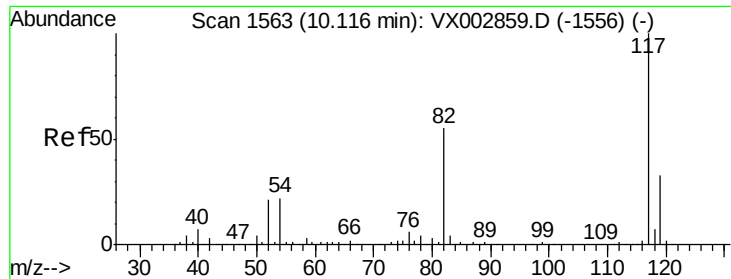


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





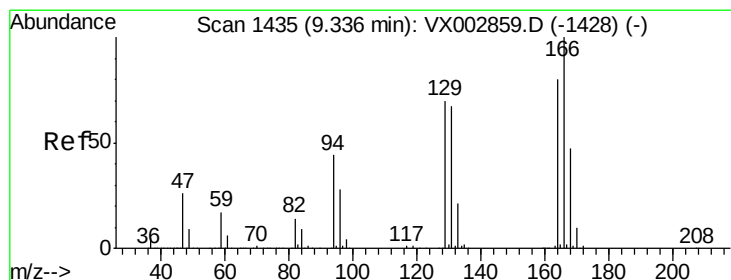
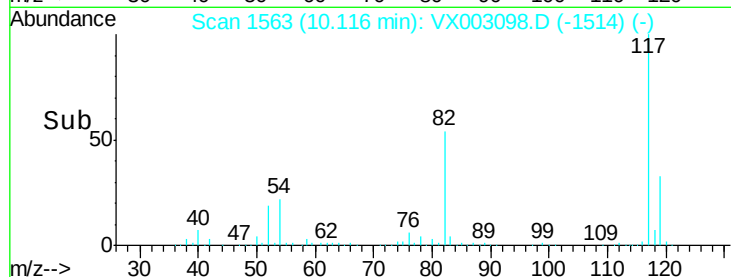
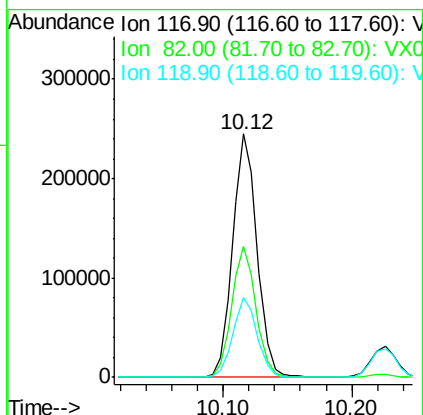
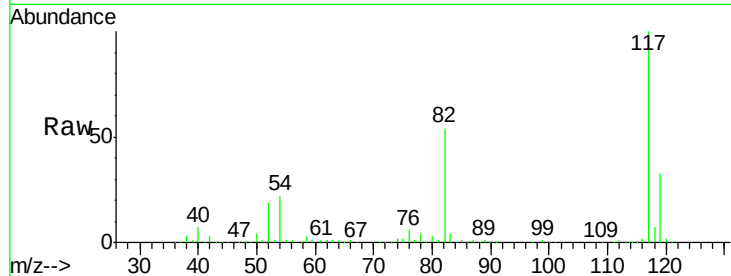
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.0	67.4
119	32.6	25.8	38.6

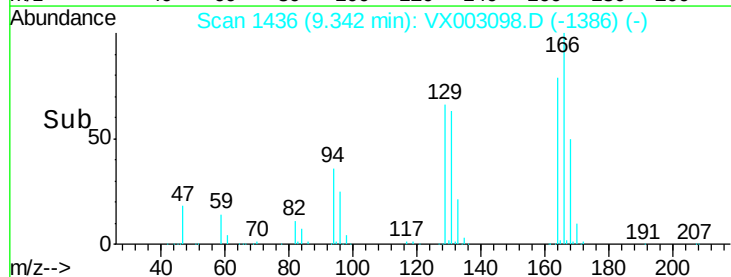
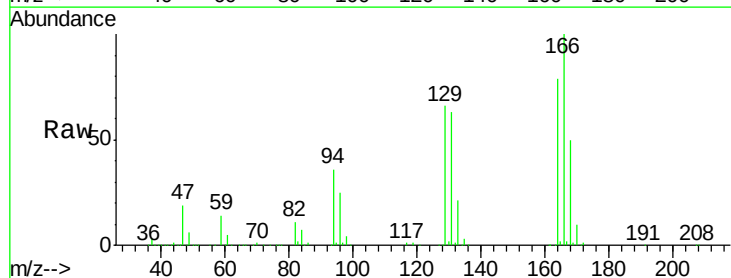
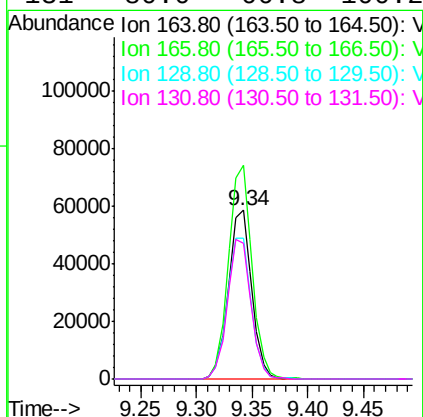
Manual Integrations
APPROVED

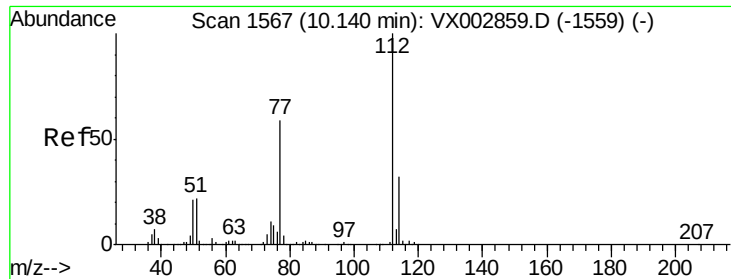
sam
7/3/2018 5:07:18 PM



#64
Tetrachloroethene
Concen: 23.46 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.9	154.3
129	83.0	68.6	102.8
131	80.0	66.8	100.2





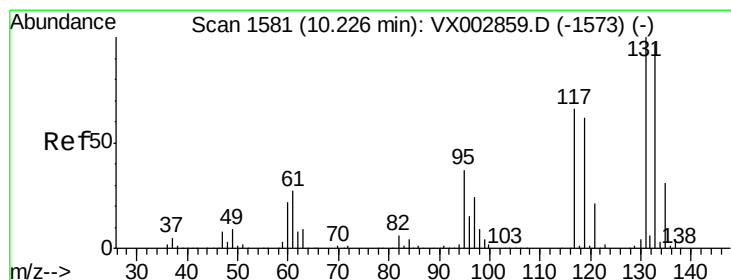
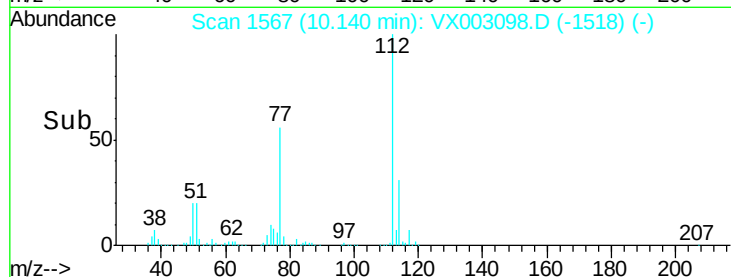
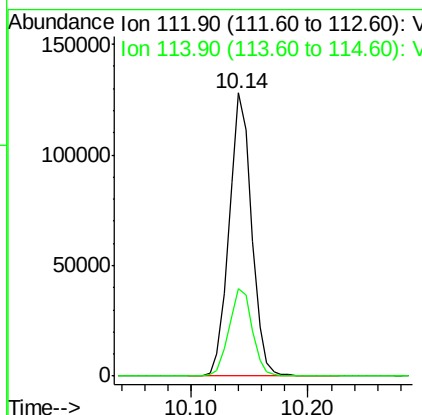
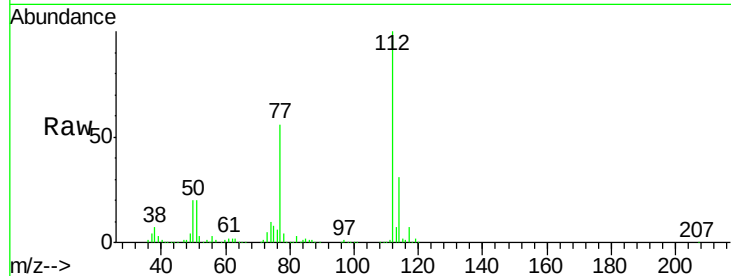
#65
Chlorobenzene
Concen: 20.89 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.3	37.9

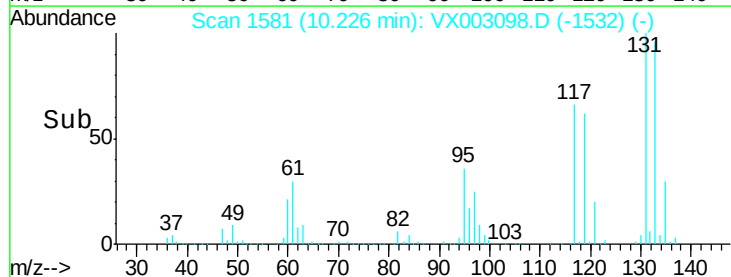
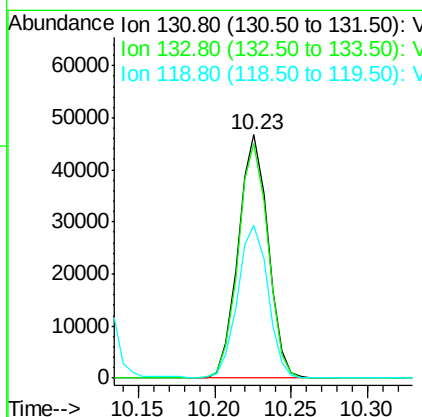
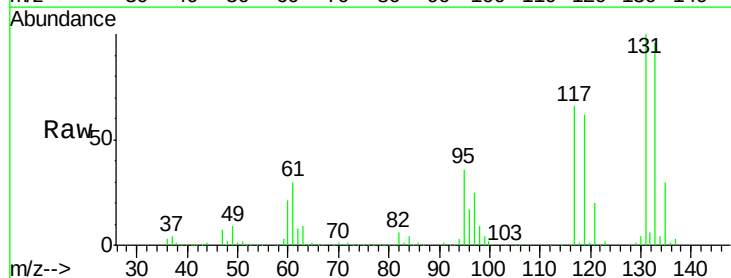
Manual Integrations
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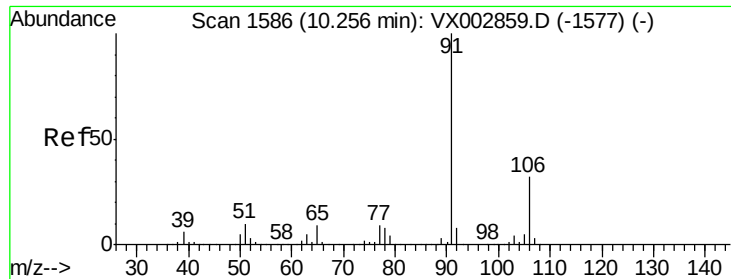
sam
7/3/2018 5:07:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.12 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.9	143.6
119	64.0	31.8	95.3





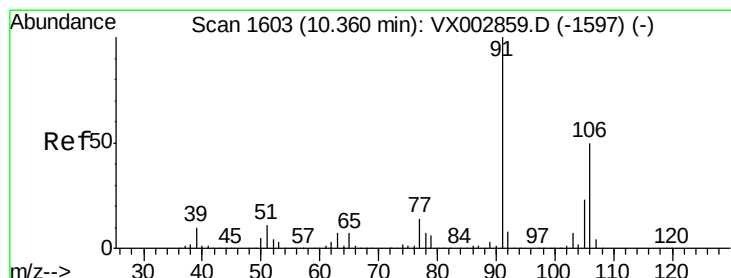
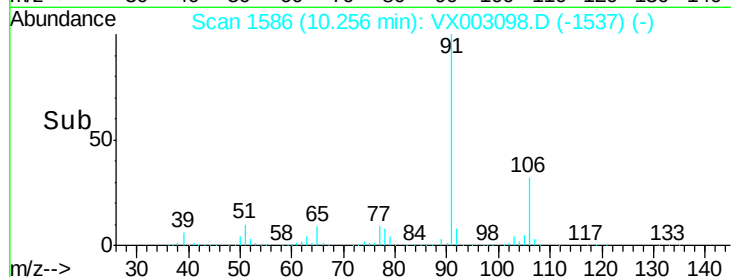
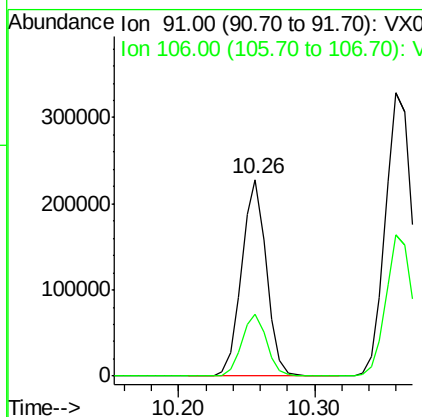
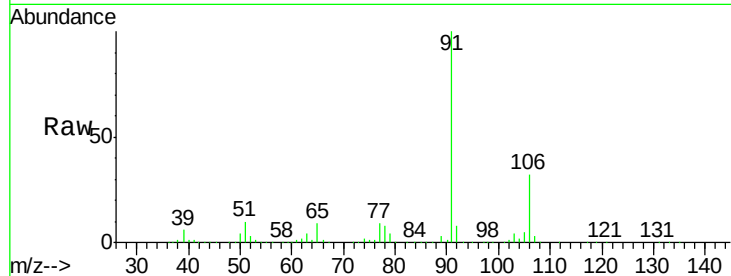
#67
Ethyl Benzene
Concen: 21.27 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion: 91 Resp: 289492
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

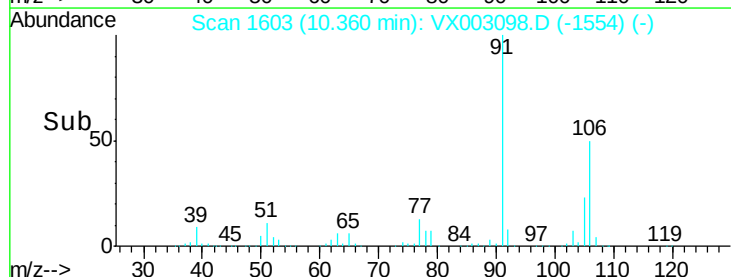
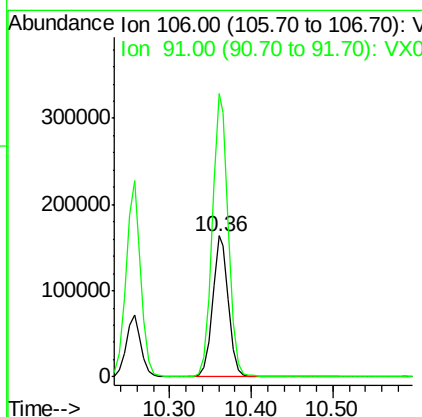
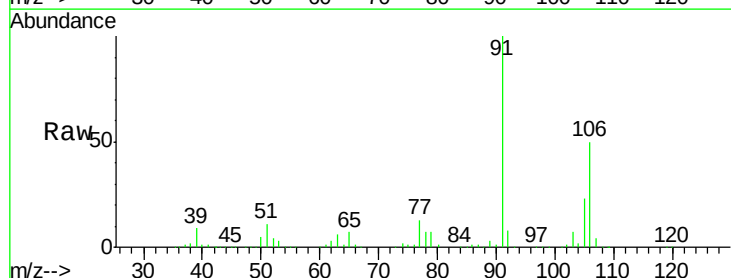
Manual Integrations
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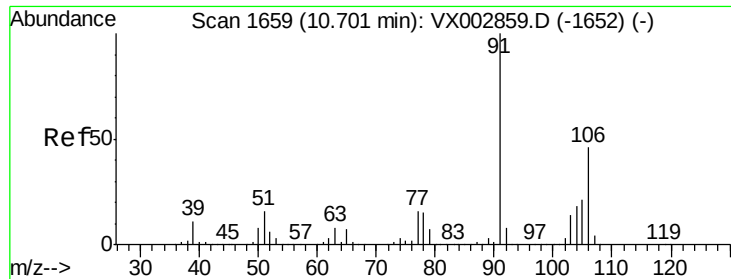
sam
7/3/2018 5:07:18 PM



#68
m/p-Xylenes
Concen: 42.80 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion: 106 Resp: 224537
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.2





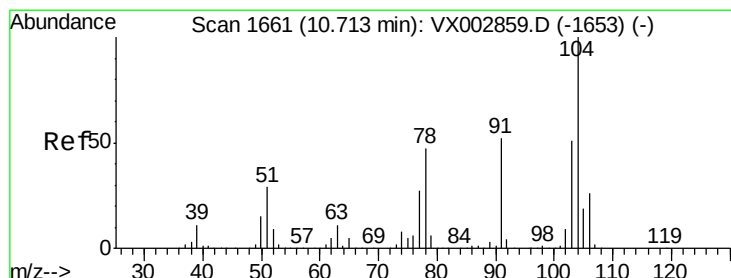
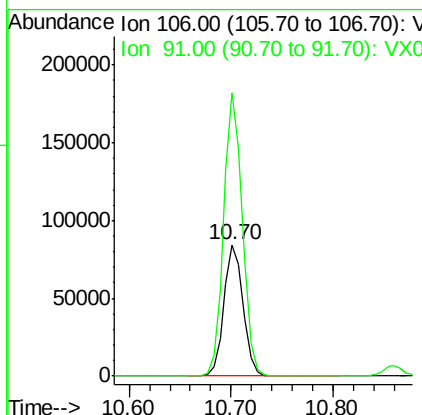
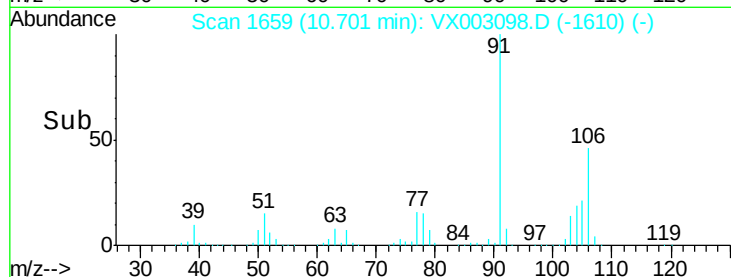
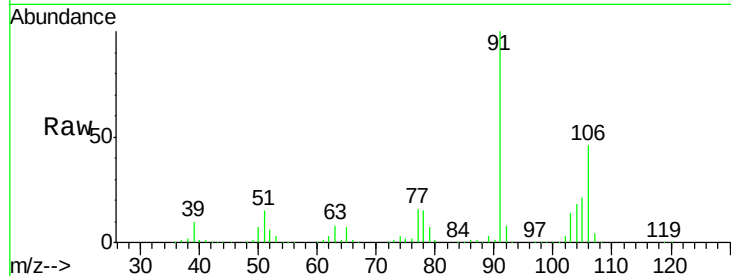
#69
o-Xylene
Concen: 21.44 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion:106 Resp: 109524
Ion Ratio Lower Upper
106 100
91 211.7 108.2 324.6

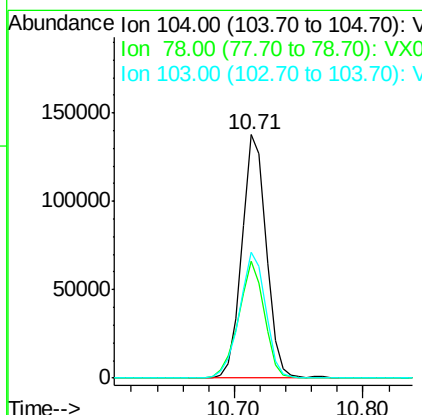
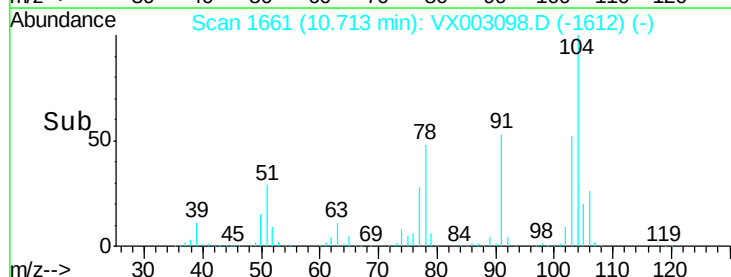
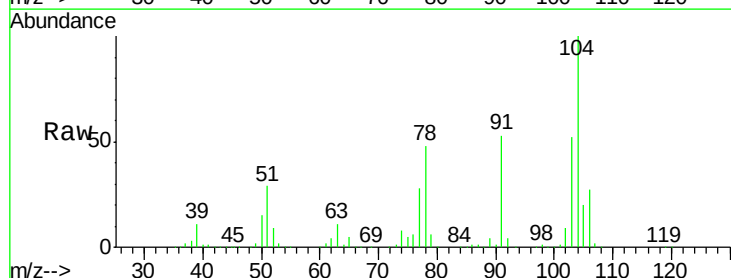
Manual Integrations
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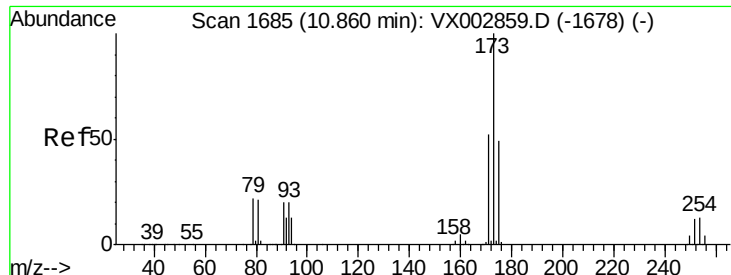
sam
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#70
Styrene
Concen: 21.65 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion:104 Resp: 179675
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 55.9 44.2 66.4





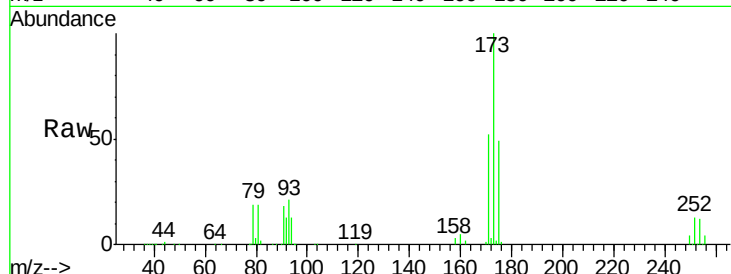
#71
Bromoform
Concen: 20.40 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

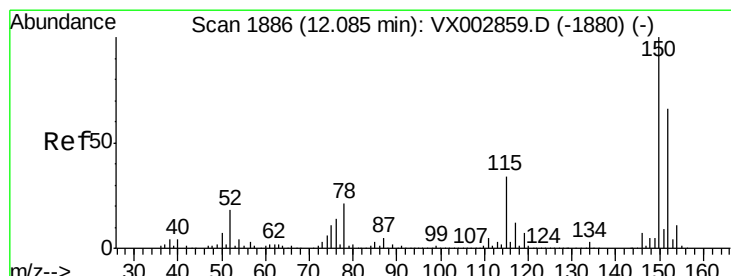
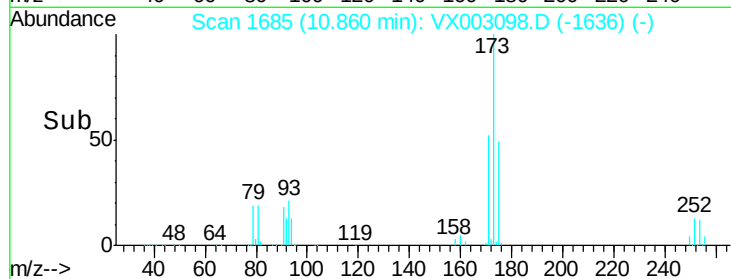
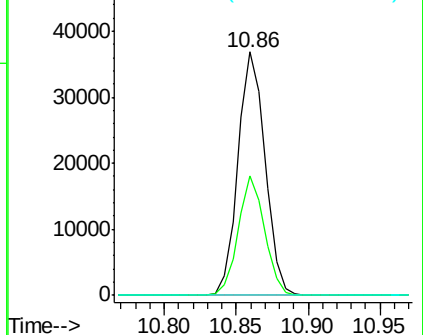
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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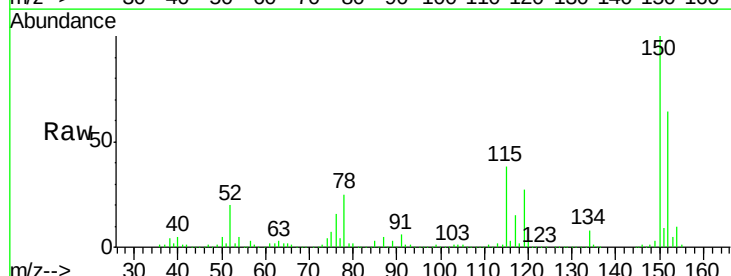


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

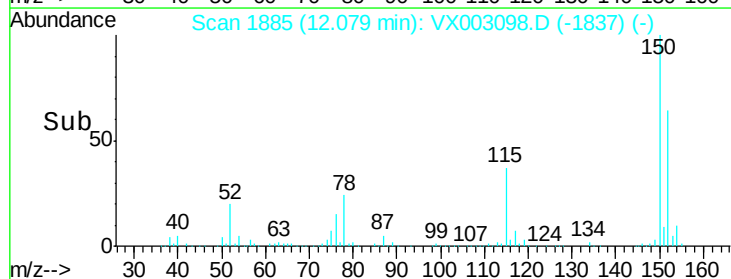
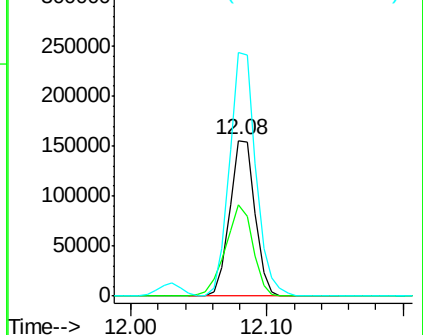


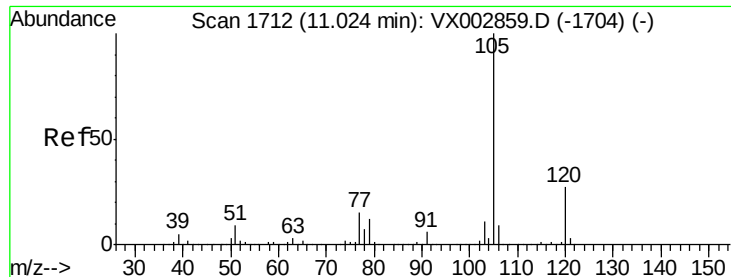
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	40.1	120.2
150	163.6	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: 22.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion:105 Resp: 297981

Ion Ratio Lower Upper

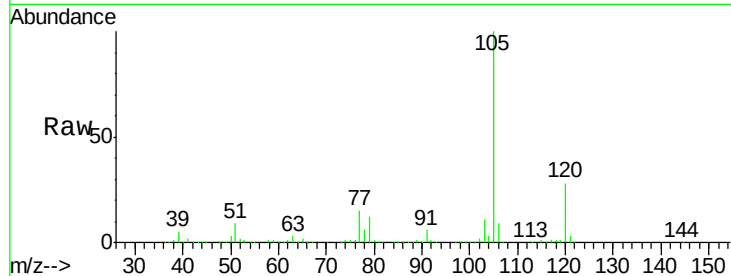
105 100

120 26.5 13.5 40.4

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

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

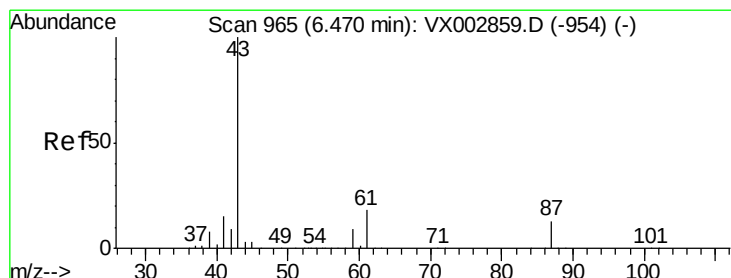
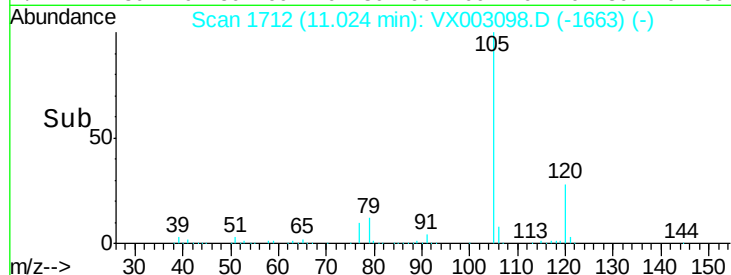
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 21.22 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion: 43 Resp: 140097

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.2 0.0 0.0#

61 18.6 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

80000

60000

40000

20000

0

6.47

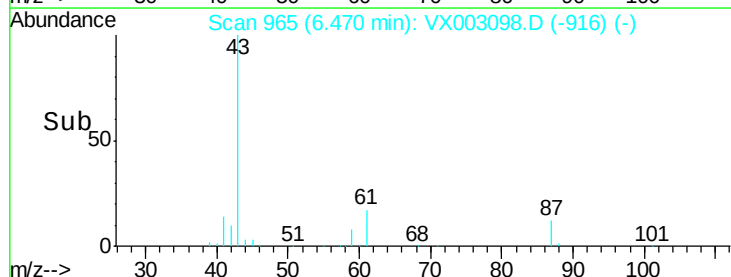
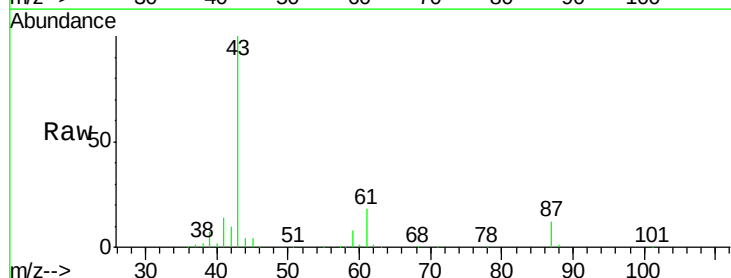
6.30

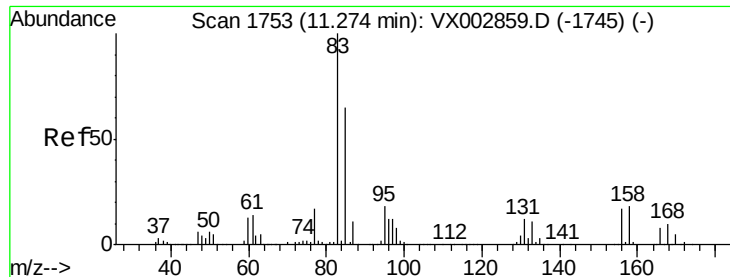
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.08 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

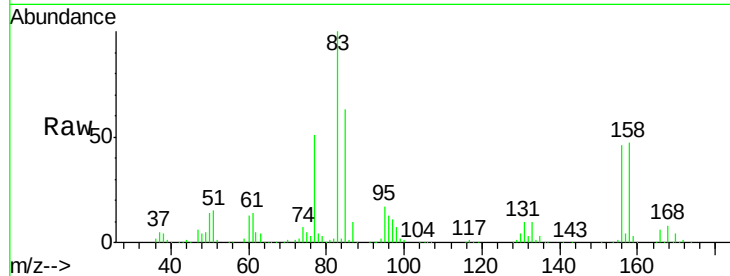
ClientSampled :

VX0630WBS02

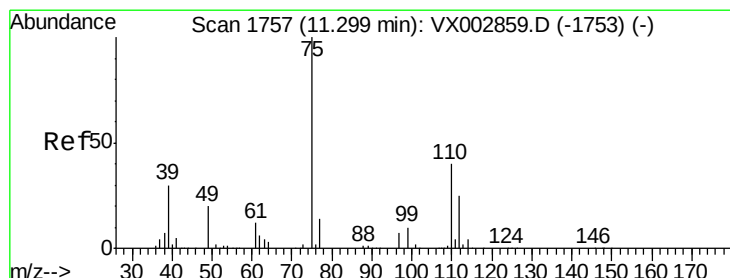
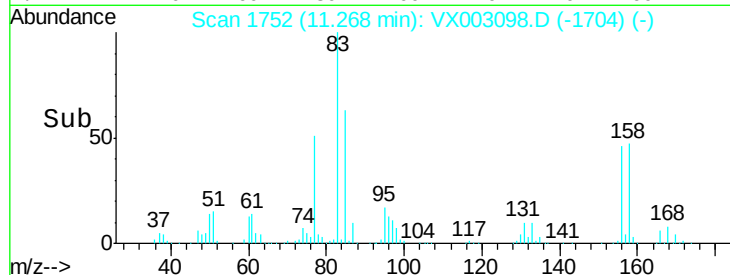
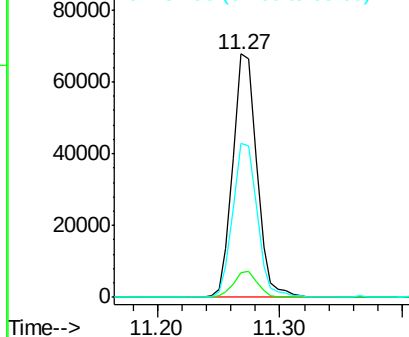
Tot Ion:	83	Resp:	91754
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	64.2	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 24.15 ug/l m

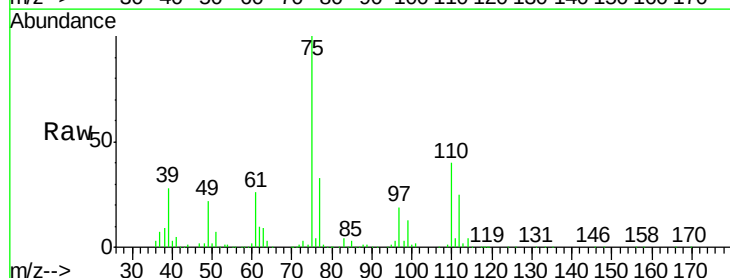
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

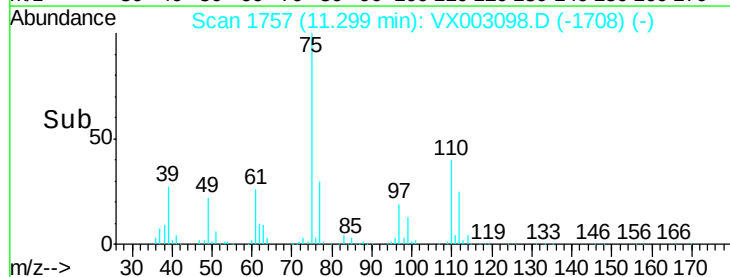
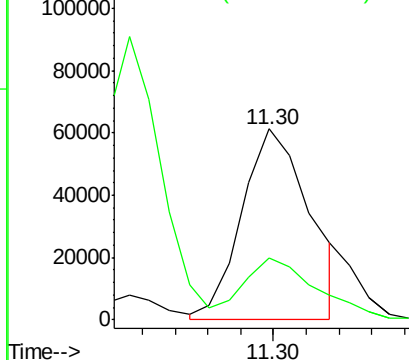
Lab File: VX003098.D

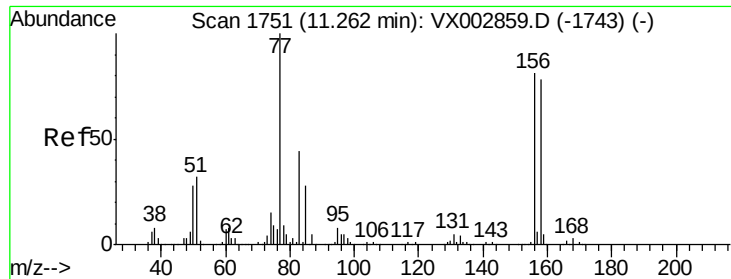
Acq: 01 Jul 2018 01:08

Tgt Ion:	75	Resp:	87744
Ion Ratio	Lower	Upper	
75	100		
77	35.4	22.8	68.3



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





#77

Bromobenzene

Concen: 21.87 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBS02

Tot Ion:156 Resp: 84019

Ion Ratio Lower Upper

156 100

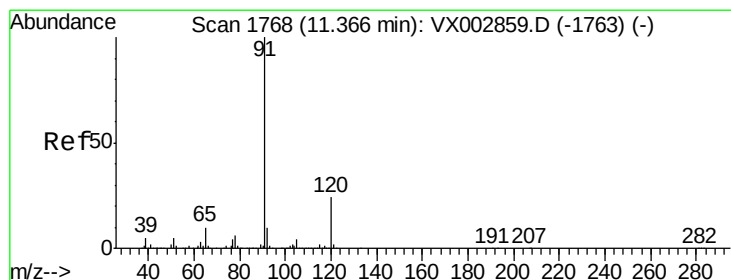
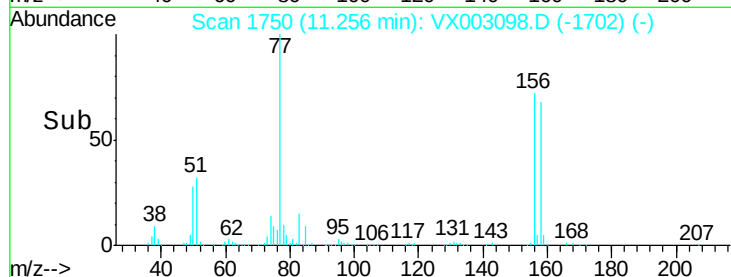
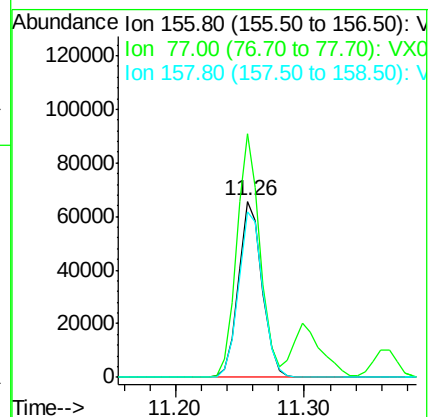
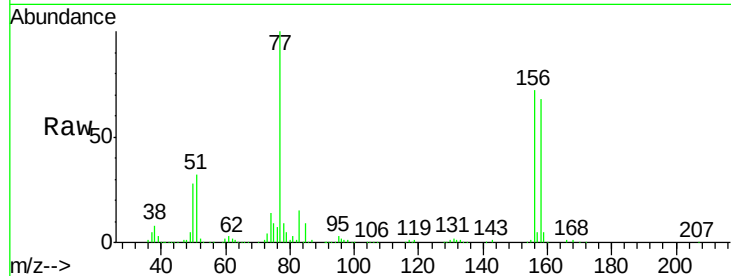
77 136.0 71.4 214.2

158 97.1 48.9 146.6

Manual Integrations
APPROVED

sam

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#78

n-propylbenzene

Concen: 21.35 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003098.D

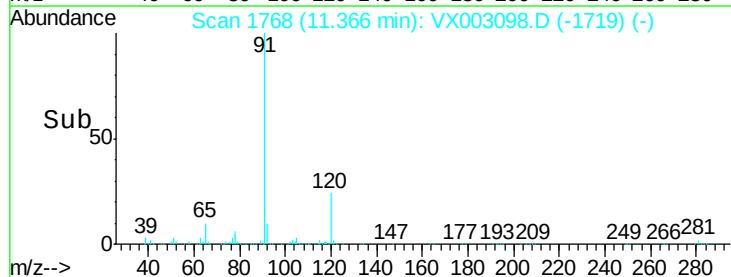
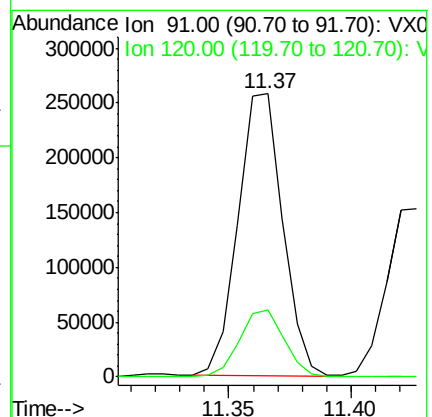
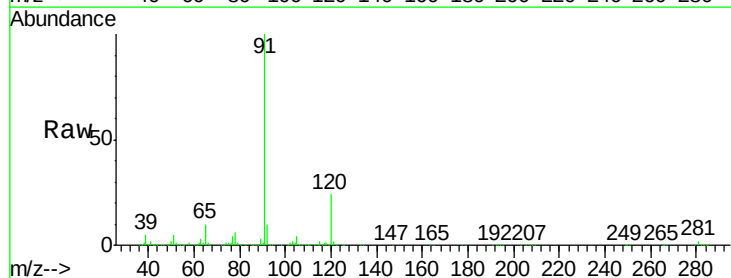
Acq: 01 Jul 2018 01:08

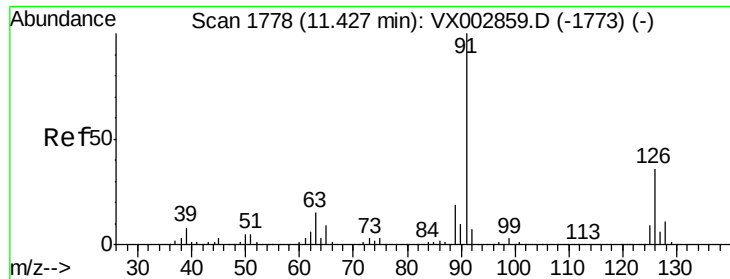
Tgt Ion: 91 Resp: 327841

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4





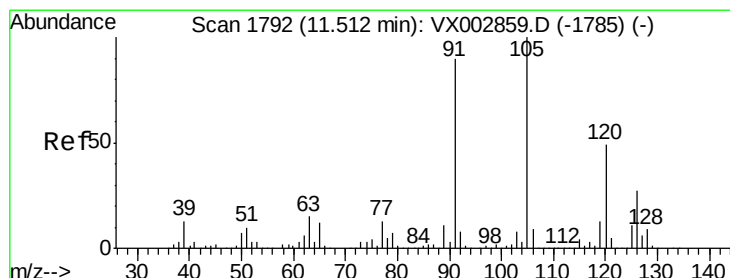
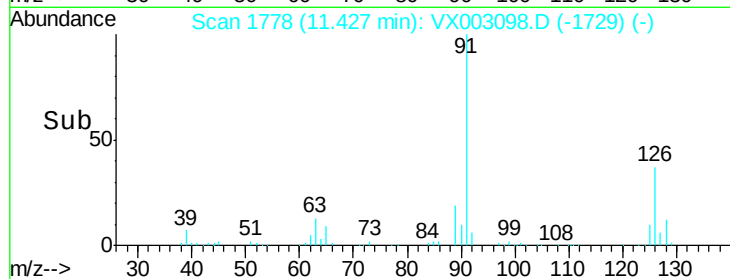
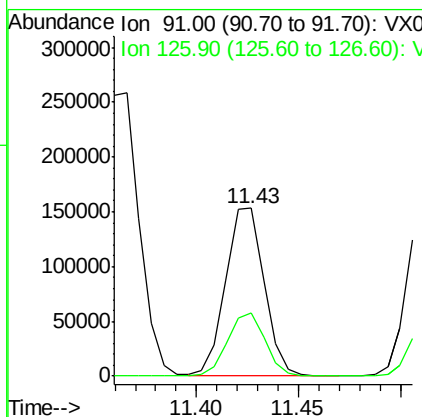
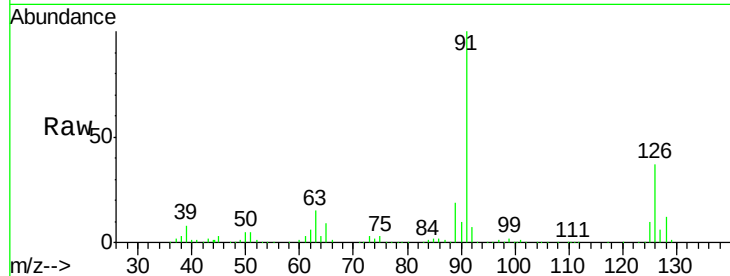
#79
 2-Chlorotoluene
 Concen: 21.49 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0630WBS02

Tot Ion: 91 Resp: 199810
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.7 53.1

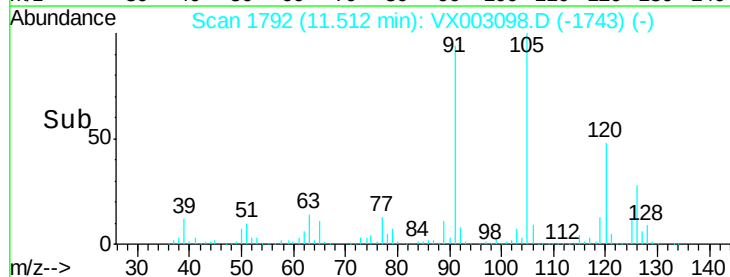
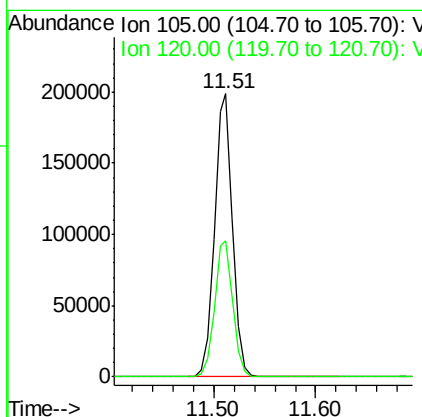
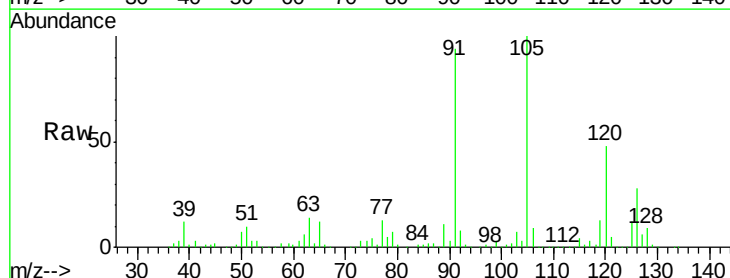
Manual Integrations
 APPROVED

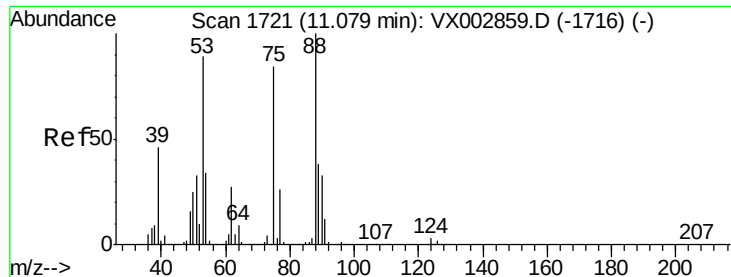
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.61 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion: 105 Resp: 245554
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.4





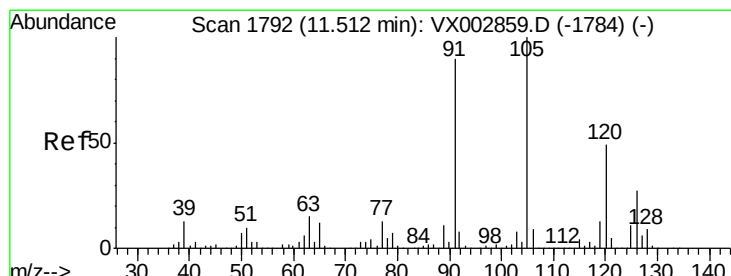
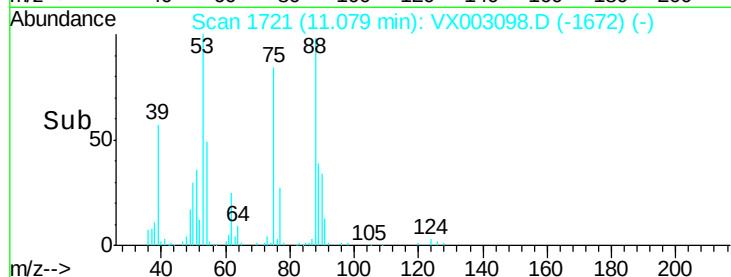
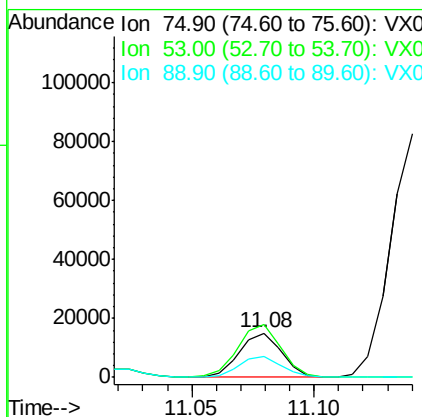
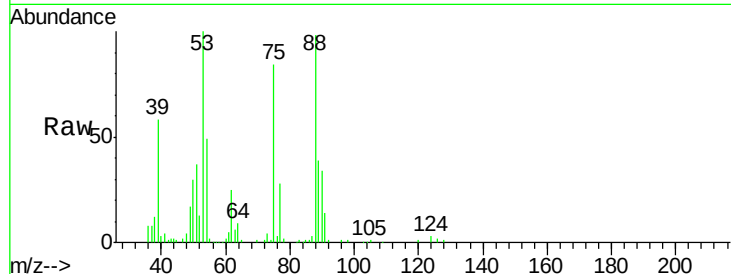
#81
trans-1,4-Dichloro-2-butene
Concen: 16.91 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Instrument :
MSVOA_X
ClientSampled :
VX0630WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.7	86.8	130.2
89	47.8	38.2	57.2

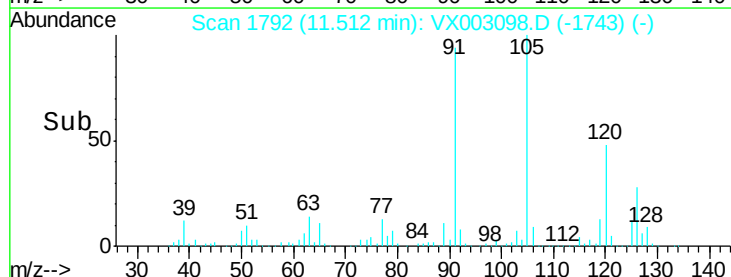
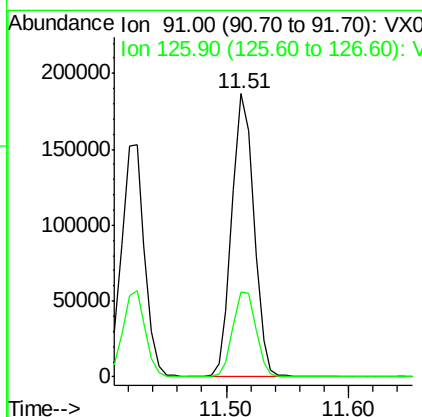
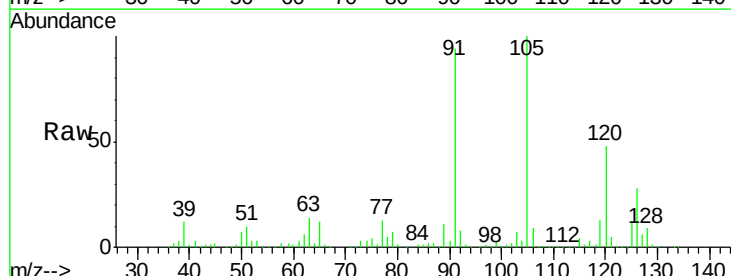
Manual Integrations
APPROVED

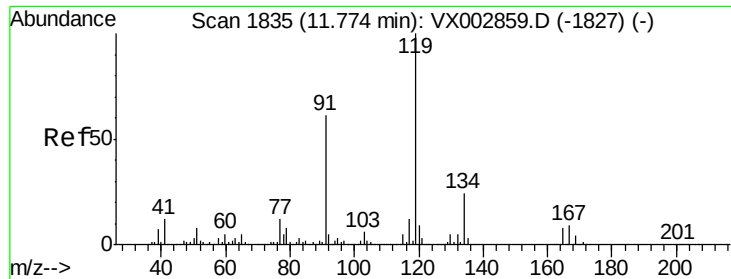
sam
7/3/2018 5:07:18 PM



#82
4-Chlorotoluene
Concen: 21.20 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003098.D
Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.4





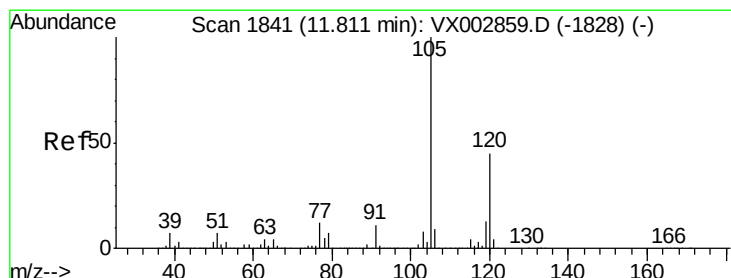
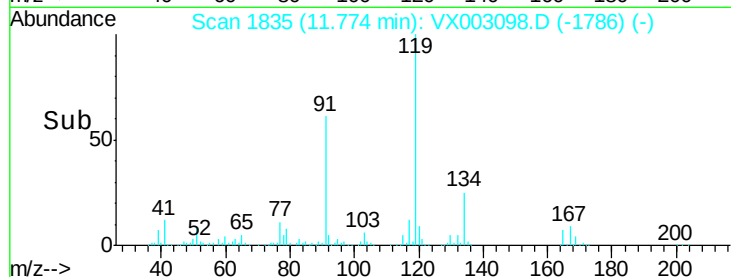
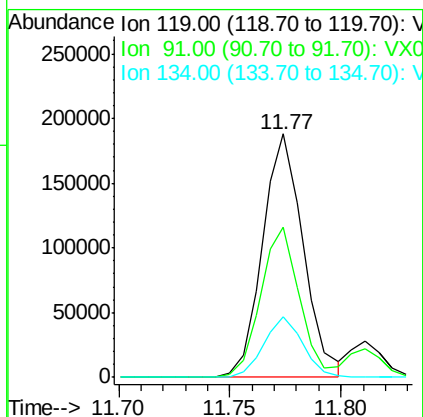
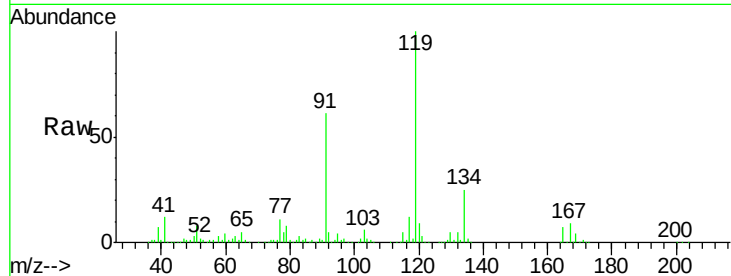
#83
 tert-Butylbenzene
 Concen: 21.30 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0630WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238521		
91	58.5	30.3	90.9	
134	24.0	11.7	35.1	

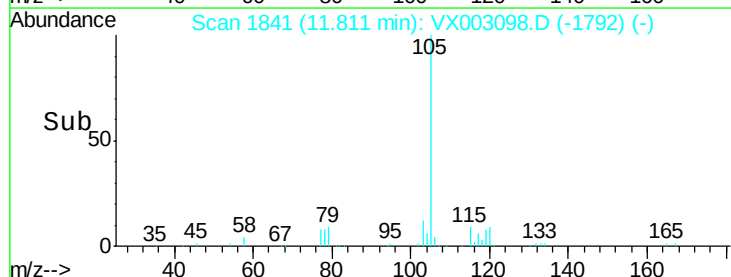
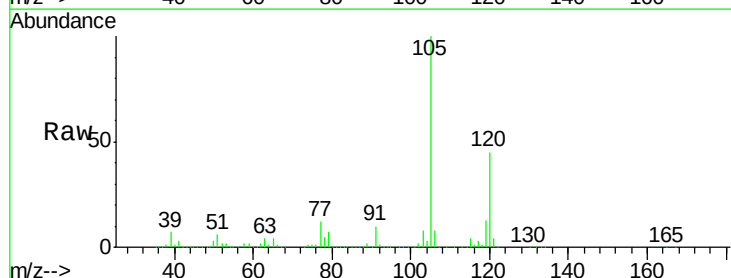
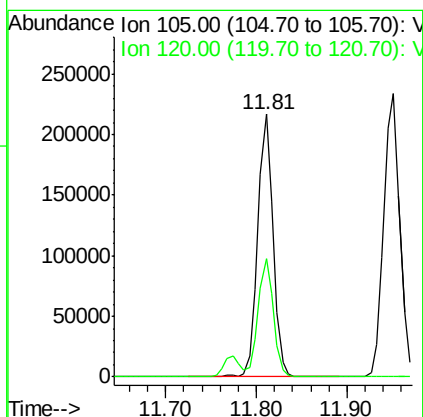
Manual Integrations
 APPROVED

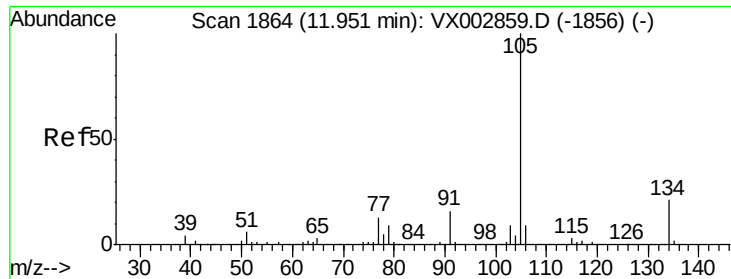
sam
 7/3/2018 5:07:18 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.61 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254428		
120	45.0	22.3	66.8	





#85

sec-Butylbenzene

Concen: 21.16 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

ClientSampled :

VX0630WBS02

Tot Ion:105 Resp: 287467

Ion Ratio Lower Upper

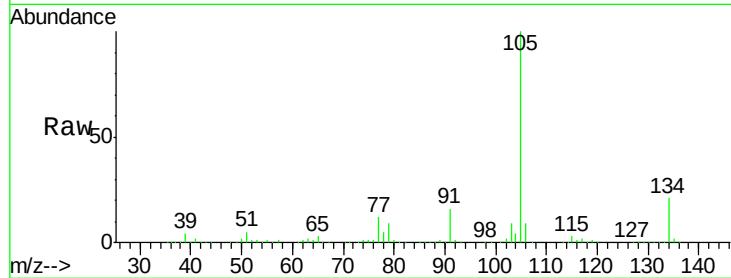
105 100

134 20.7 10.4 31.1

Manual Integrations
APPROVED

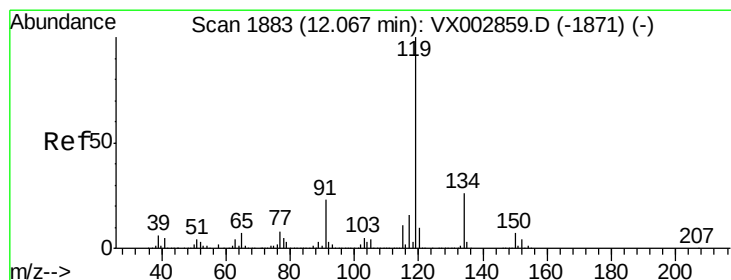
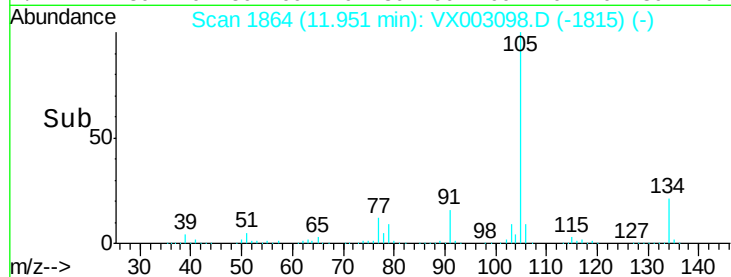
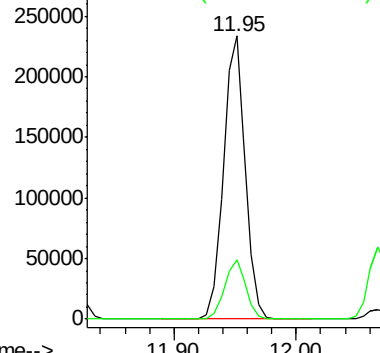
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

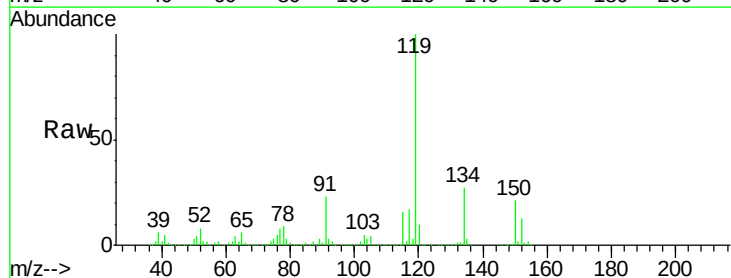
Tgt Ion:119 Resp: 256181

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

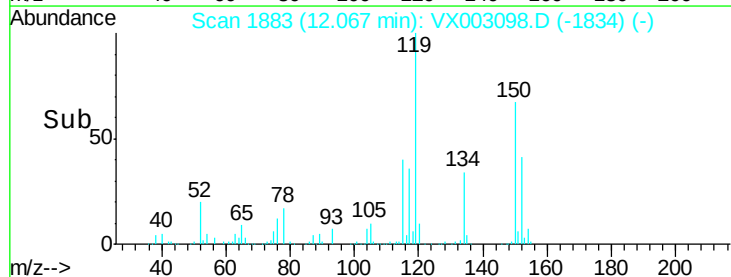
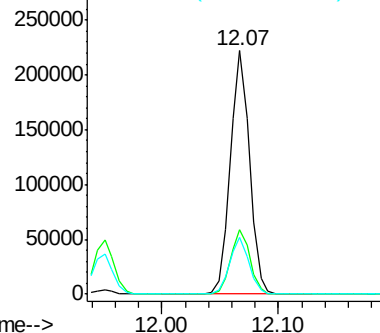
91 23.3 11.9 35.7

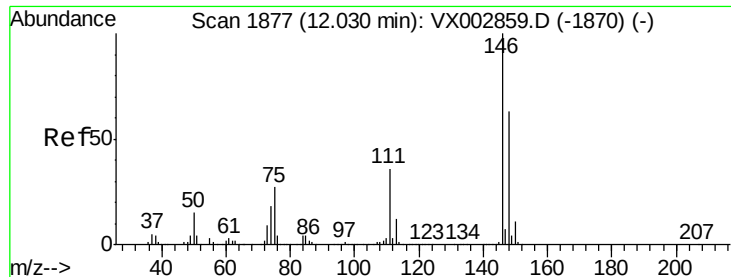


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





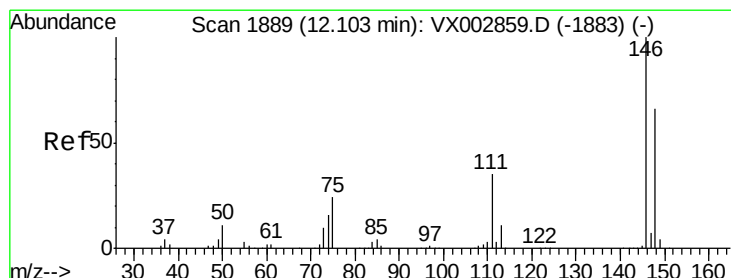
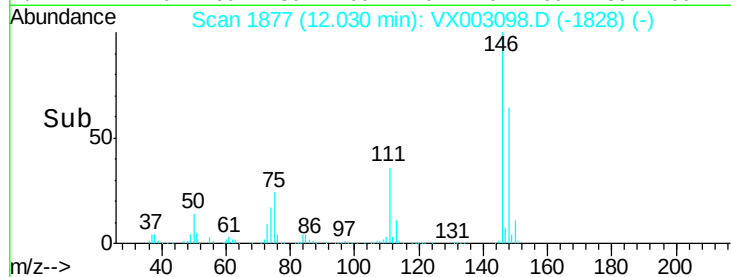
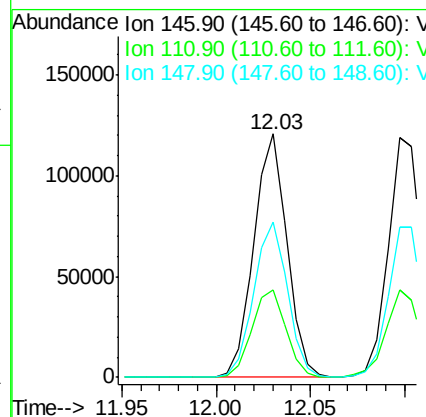
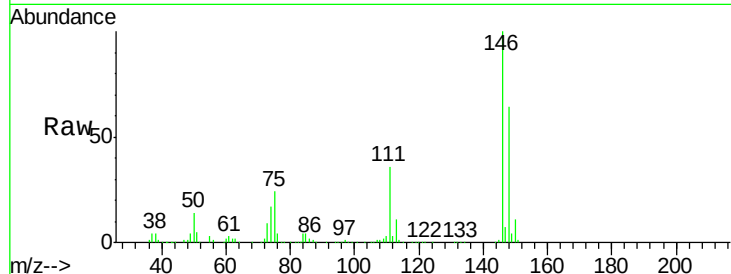
#87
 1,3-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.7
148	64.7	32.1	96.3

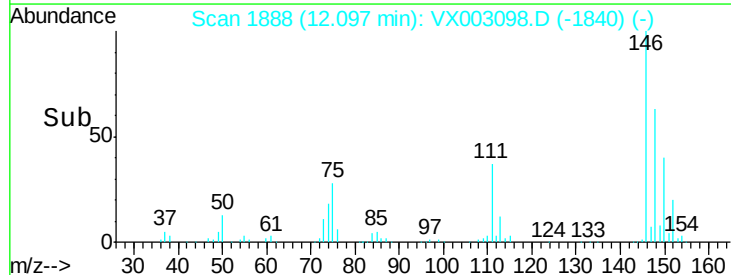
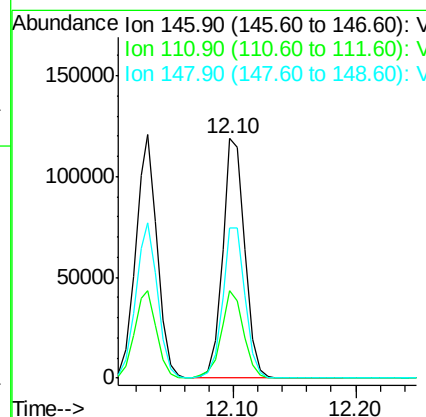
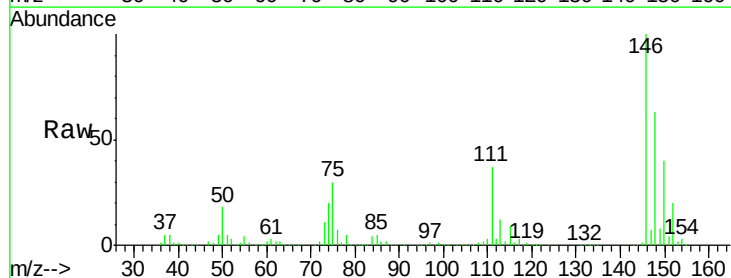
Manual Integrations
 APPROVED

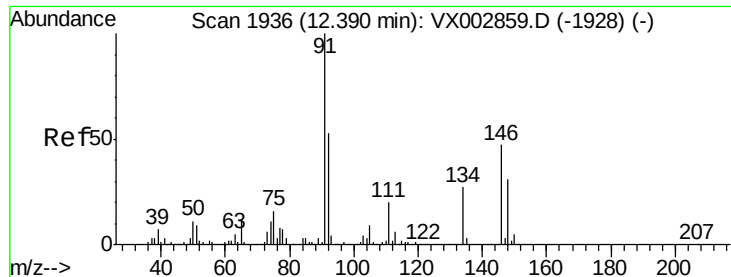
sam
 7/3/2018 5:07:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.1	32.4	97.0





#89

n-Butylbenzene

Concen: 19.71 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

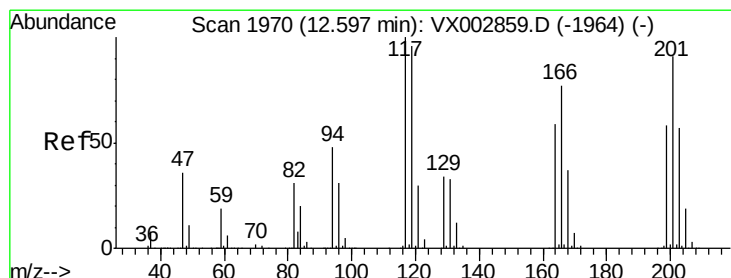
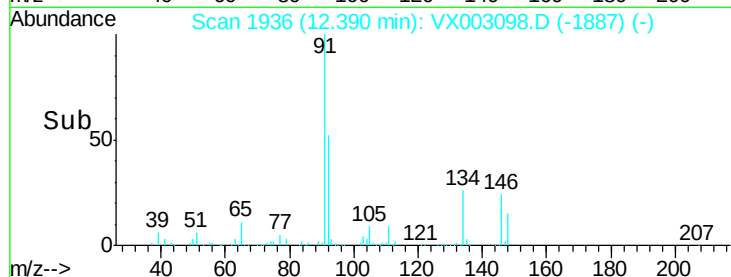
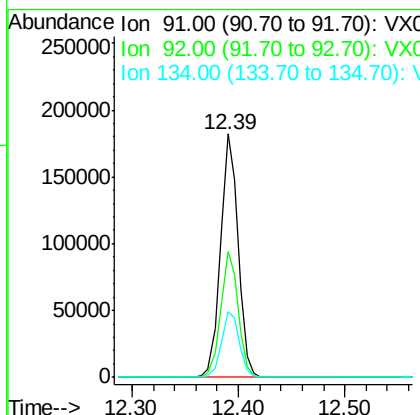
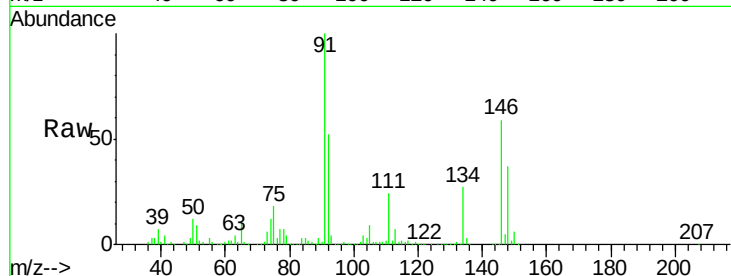
ClientSampled :

VX0630WBS02

Tot Ion:	91	Resp:	209517
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	27.3	13.5	40.5

Manual Integrations
APPROVED

sam
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#90

Hexachloroethane

Concen: 19.22 ug/l

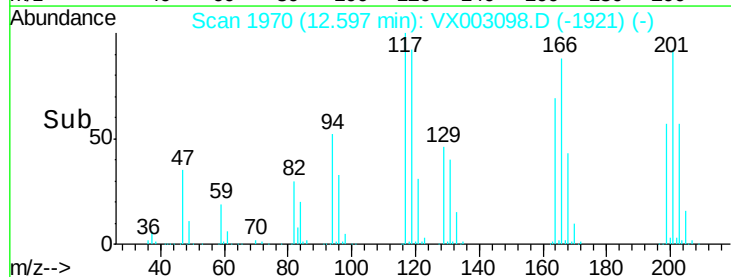
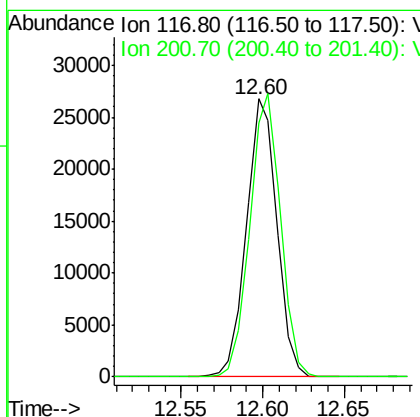
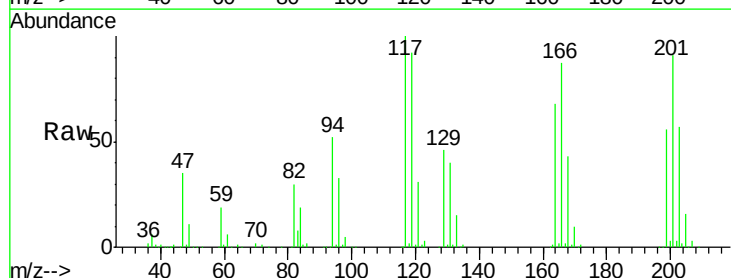
RT: 12.60 min Scan# 1970

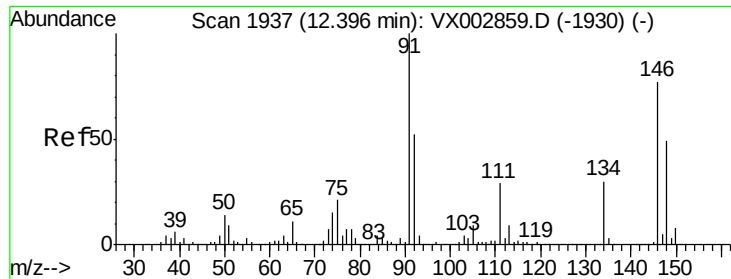
Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	117	Resp:	34924
Ion	Ratio	Lower	Upper
117	100		
201	101.6	49.0	147.0





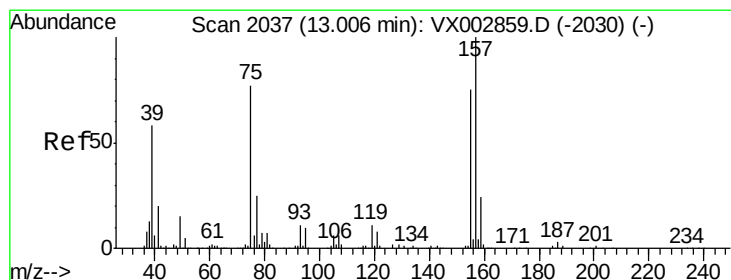
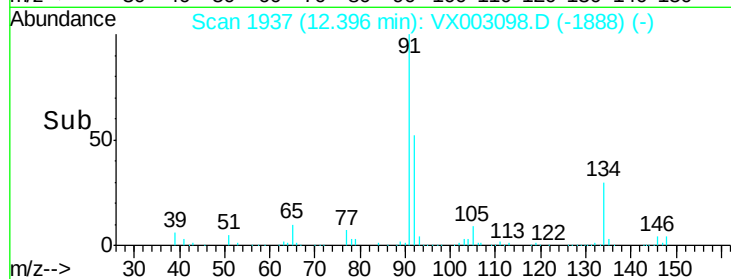
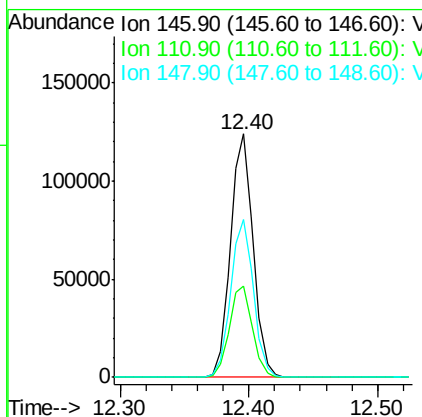
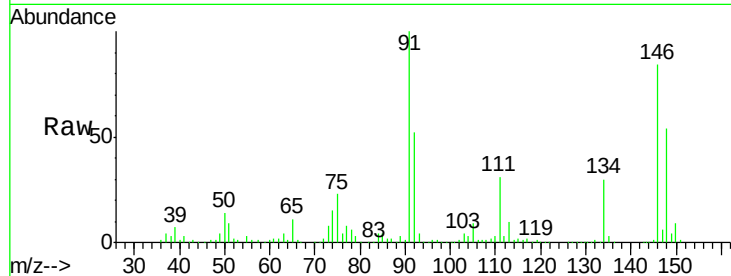
#91
 1,2-Dichlorobenzene
 Concen: 21.63 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	65.0	31.7	95.1

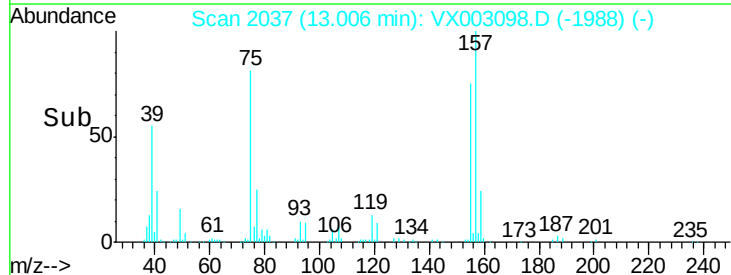
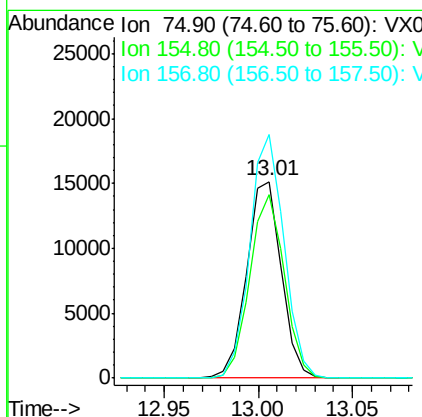
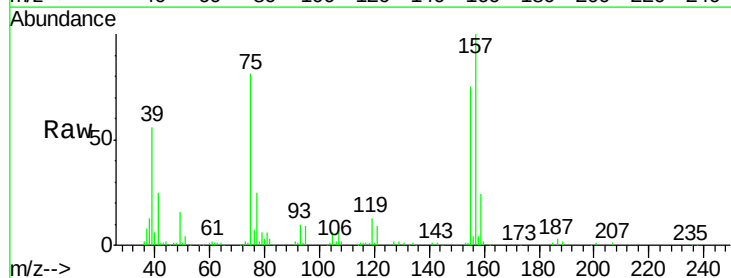
Manual Integrations
 APPROVED

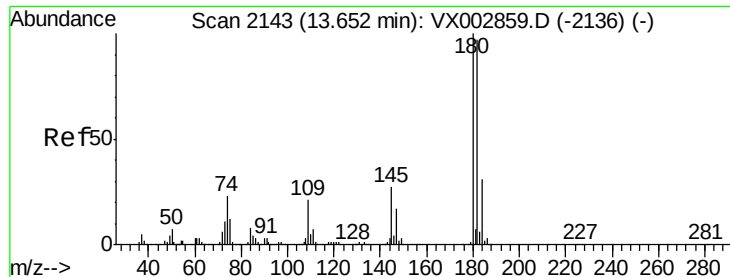
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.64 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.8	137.4
157	122.6	60.1	180.3





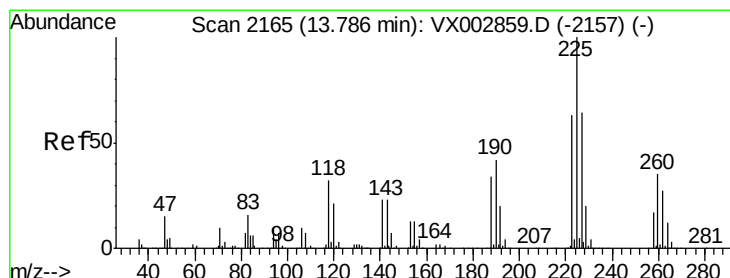
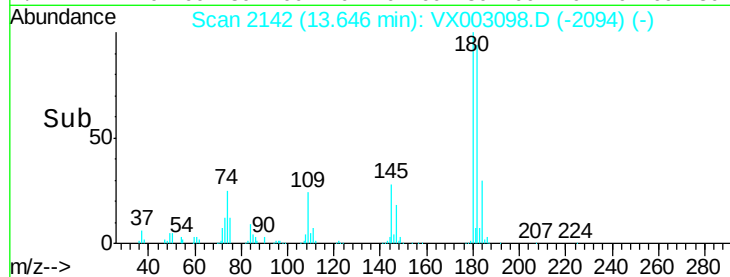
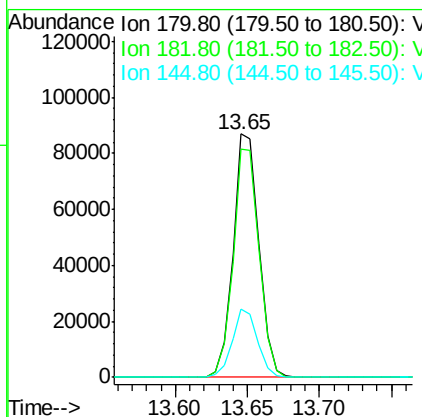
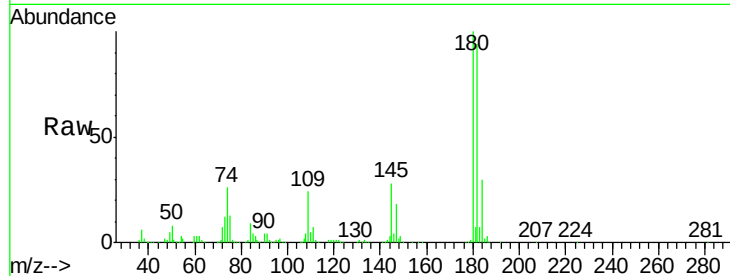
#93
 1,2,4-Trichlorobenzene
 Concen: 21.09 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.7	143.1	
145	27.4	14.1	42.4	

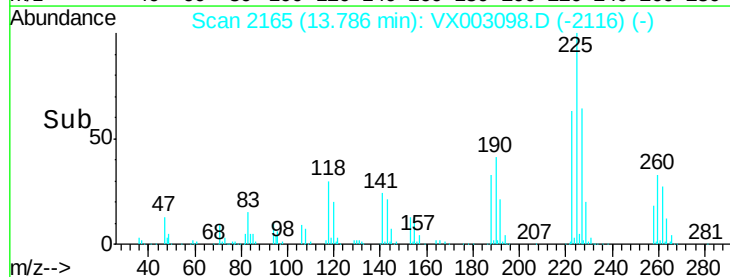
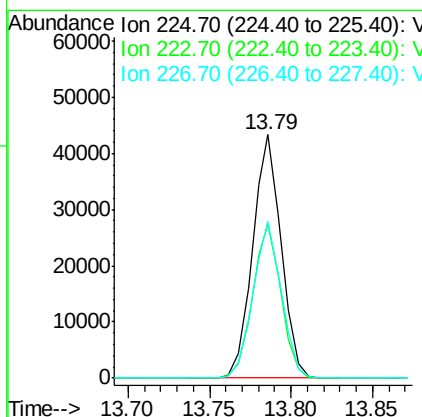
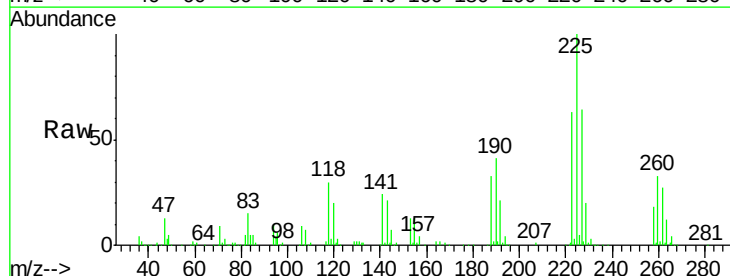
Manual Integrations
 APPROVED

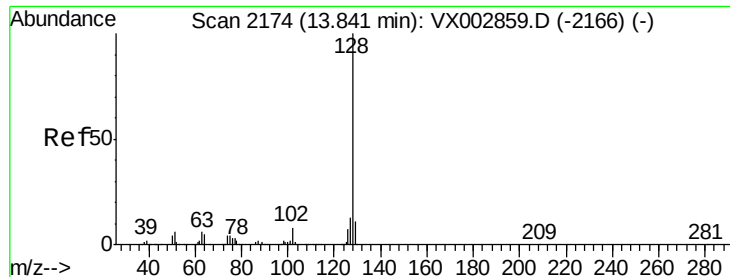
sam
 7/3/2018 5:07:18 PM



#94
 Hexachlorobutadiene
 Concen: 20.40 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003098.D
 Acq: 01 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.6	95.0	
227	64.0	32.4	97.2	





#95

Naphthalene

Concen: 22.68 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Instrument :

MSVOA_X

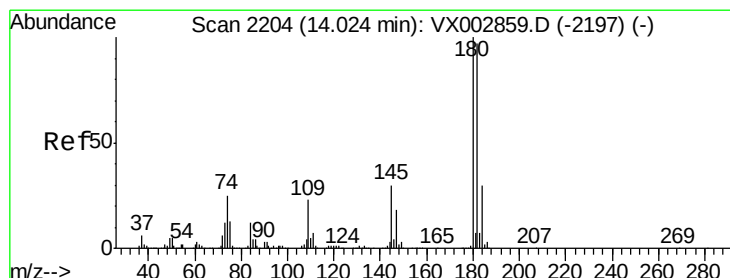
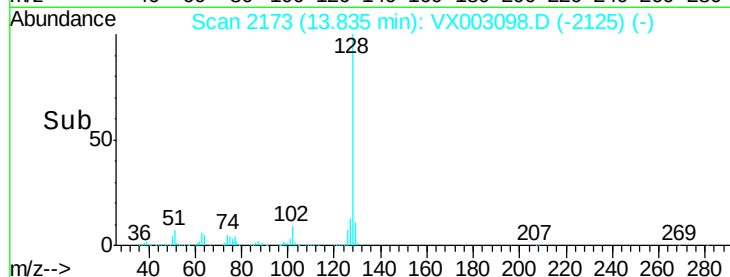
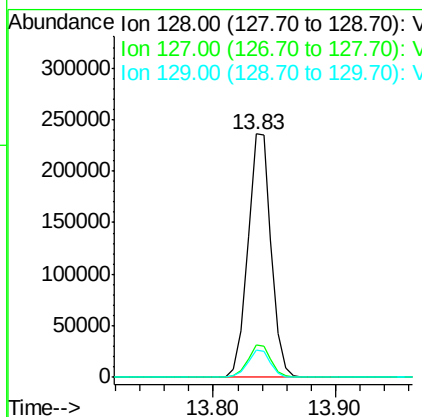
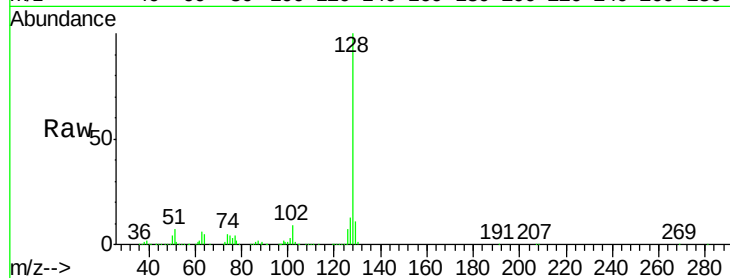
ClientSampleId :

VX0630WBS02

Tot Ion:	128	Resp:	311350
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

sam
7/3/2018 5:07:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.79 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003098.D

Acq: 01 Jul 2018 01:08

Tgt Ion:	180	Resp:	112196
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	29.2	14.8	44.3

