

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040818\
 Data File : VX000723.D
 Acq On : 08 Apr 2018 11:44
 Operator : JC/MD
 Sample : VX0408WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Manual Integrations
 APPROVED

sam
 4/9/2018 2:03:14 PM

Quant Time: Apr 09 07:05:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	353377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	474674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	443015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264235	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	182747	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	5.51	113	150226	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	8.72	98	565343	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.15	95	230635	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	61705	19.39	ug/l	100
3) Chloromethane	1.32	50	50192	18.96	ug/l	97
4) Vinyl Chloride	1.41	62	52172	18.14	ug/l	99
5) Bromomethane	1.65	94	39353	24.49	ug/l	100
6) Chloroethane	1.73	64	32521	18.43	ug/l	97
7) Trichlorofluoromethane	1.93	101	87156	18.51	ug/l	99
8) Diethyl Ether	2.19	74	32788	19.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53975	19.57	ug/l	99
10) Methyl Iodide	2.52	142	45445	19.02	ug/l	100
11) Tert butyl alcohol	3.06	59	64297	93.50	ug/l	99
12) 1,1-Dichloroethene	2.38	96	46167	18.64	ug/l	99
13) Acrolein	2.29	56	24630	81.84	ug/l	99
14) Allyl chloride	2.73	41	91506	18.28	ug/l	100
15) Acrylonitrile	3.15	53	130501	90.55	ug/l	100
16) Acetone	2.45	43	115882	91.42	ug/l	99
17) Carbon Disulfide	2.57	76	110148	19.00	ug/l	100
18) Methyl Acetate	2.78	43	69380	18.43	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	174025	18.90	ug/l	99
20) Methylene Chloride	2.86	84	52172	17.24	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	50570	19.10	ug/l	95
22) Diisopropyl ether	3.88	45	174304	17.77	ug/l	95
23) Vinyl Acetate	3.83	43	728041	87.63	ug/l	99
24) 1,1-Dichloroethane	3.70	63	94833	18.47	ug/l	98
25) 2-Butanone	4.71	43	196436	88.58	ug/l	98
26) 2,2-Dichloropropane	4.59	77	97913	18.73	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62381	18.43	ug/l	99
28) Bromochloromethane	5.03	49	40296	17.38	ug/l	98
29) Tetrahydrofuran	5.17	42	122878	87.07	ug/l	98
30) Chloroform	5.22	83	104371	18.69	ug/l	98
31) Cyclohexane	5.59	56	82156	18.82	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	98651	18.54	ug/l	99
36) 1,1-Dichloropropene	5.81	75	76111	18.72	ug/l	99
37) Ethyl Acetate	4.87	43	75502	17.21	ug/l	98
38) Carbon Tetrachloride	5.79	117	90756	19.05	ug/l	97

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	88651	19.47	ug/l	98
40) Benzene	6.15	78	218021	19.07	ug/l	97
41) Methacrylonitrile	5.07	41	46505	18.29	ug/l	100
42) 1,2-Dichloroethane	6.20	62	84822	18.81	ug/l	98
43) Isopropyl Acetate	6.47	43	137784	18.03	ug/l	100
44) Trichloroethene	7.22	130	68184	19.62	ug/l	99
45) 1,2-Dichloropropane	7.52	63	58691	19.14	ug/l	97
46) Dibromomethane	7.67	93	39419	18.52	ug/l	98
47) Bromodichloromethane	7.90	83	85279	19.37	ug/l	97
48) Methyl methacrylate	7.78	41	71188	18.52	ug/l	99
49) 1,4-Dioxane	7.76	88	28649	375.44	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	406289	91.77	ug/l	98
52) Toluene	8.79	92	143966	18.88	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	99484	18.99	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	98635	18.96	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	60542	19.52	ug/l	100
56) Ethyl methacrylate	9.19	69	92899	18.79	ug/l	100
57) 1,3-Dichloropropane	9.38	76	96166	18.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	222644	96.14	ug/l	100
59) 2-Hexanone	9.51	43	308358	91.25	ug/l	100
60) Dibromochloromethane	9.59	129	74523	19.27	ug/l	99
61) 1,2-Dibromoethane	9.68	107	62493	18.77	ug/l	99
64) Tetrachloroethene	9.34	164	67799	19.52	ug/l	99
65) Chlorobenzene	10.15	112	173170	18.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	68212	19.16	ug/l	100
67) Ethyl Benzene	10.26	91	292795	19.14	ug/l	100
68) m/p-Xylenes	10.37	106	231903	38.75	ug/l	99
69) o-Xylene	10.71	106	112429	19.15	ug/l	99
70) Styrene	10.72	104	191349	19.29	ug/l	100
71) Bromoform	10.87	173	63789	18.92	ug/l #	99
73) Isopropylbenzene	11.02	105	306984	19.43	ug/l	100
74) N-amyl acetate	6.47	43	137784	17.92	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	87356	18.61	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	85954m	19.12	ug/l	
77) Bromobenzene	11.26	156	86517	19.31	ug/l	99
78) n-propylbenzene	11.37	91	352791	19.47	ug/l	100
79) 2-Chlorotoluene	11.43	91	207737	19.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	263267	19.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	30162	17.47	ug/l	95
82) 4-Chlorotoluene	11.52	91	249971	19.30	ug/l	100
83) tert-Butylbenzene	11.77	119	276080	19.68	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	272478	19.23	ug/l	100
85) sec-Butylbenzene	11.95	105	323152	19.69	ug/l	100
86) p-Isopropyltoluene	12.07	119	300135	19.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	163853	19.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	168134	19.54	ug/l	99
89) n-Butylbenzene	12.40	91	268643	19.60	ug/l	100
90) Hexachloroethane	12.60	117	53481	19.19	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	160679	19.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21703	17.59	ug/l	98

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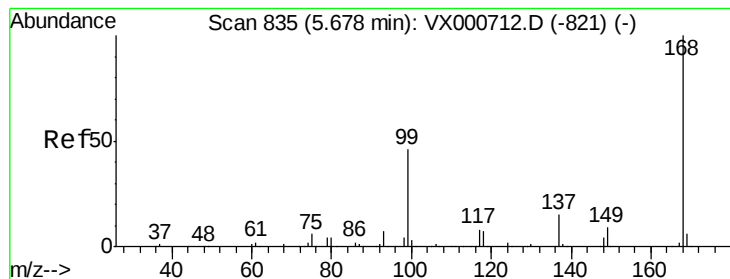
Manual Integrations
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4/9/2018 2:03:14 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	135925	19.50	ug/l	100
94) Hexachlorobutadiene	13.79	225	68789	20.04	ug/l	99
95) Naphthalene	13.84	128	346586	18.99	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	133444	19.84	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion:168 Resp: 353377

Ion Ratio Lower Upper

168 100

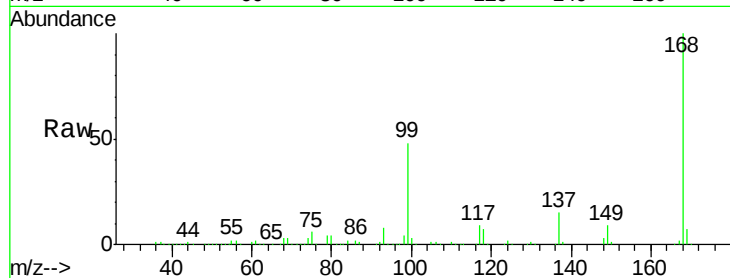
99 47.5 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

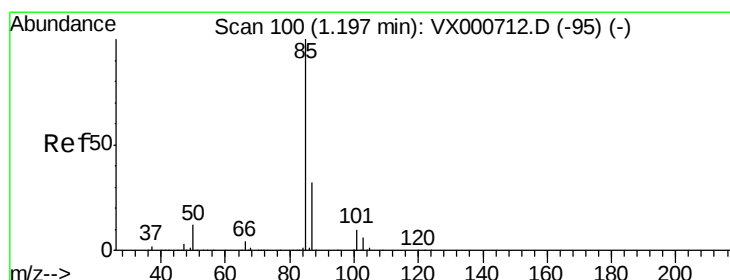
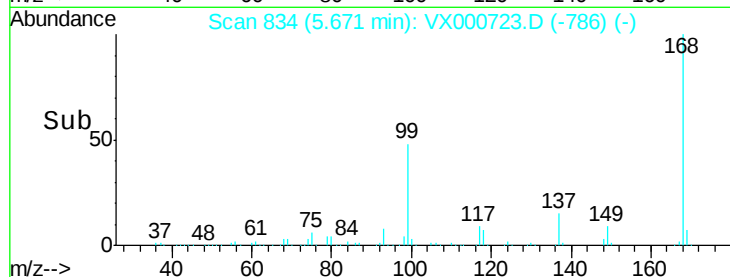
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.39 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000723.D

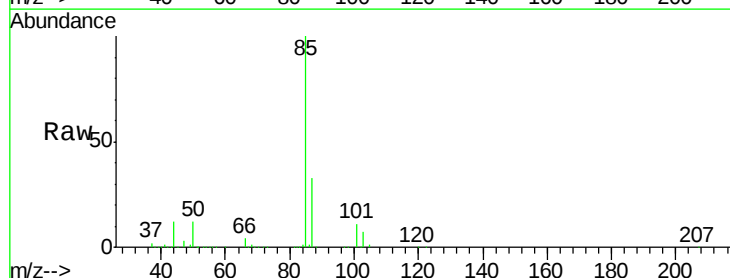
Acq: 08 Apr 2018 11:44

Tgt Ion: 85 Resp: 61705

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

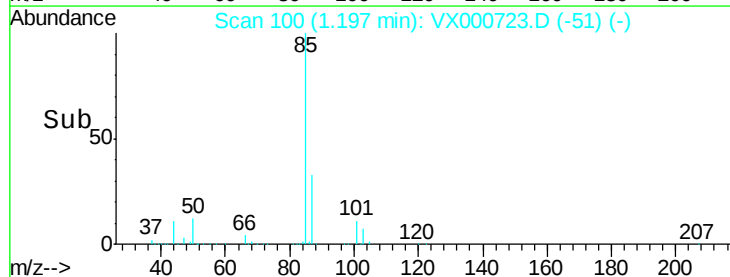
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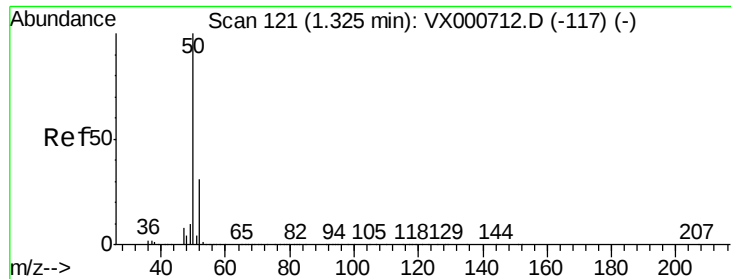
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 50 Resp: 50192

Ion Ratio Lower Upper

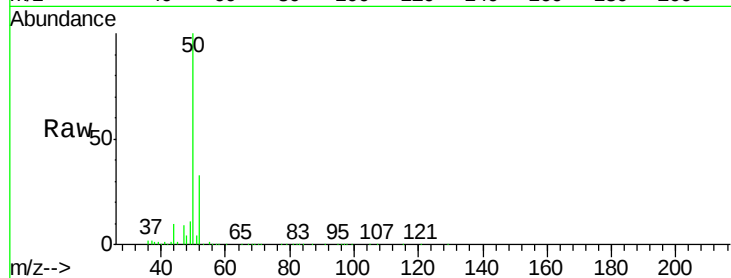
50 100

52 32.7 24.9 37.3

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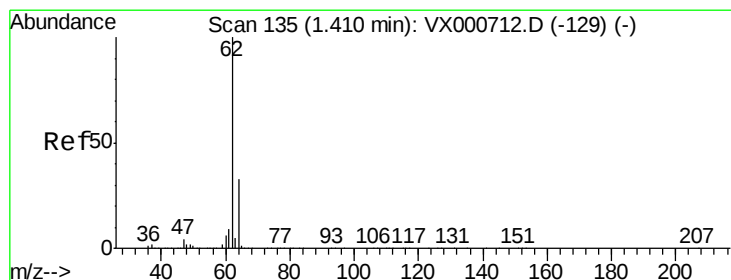
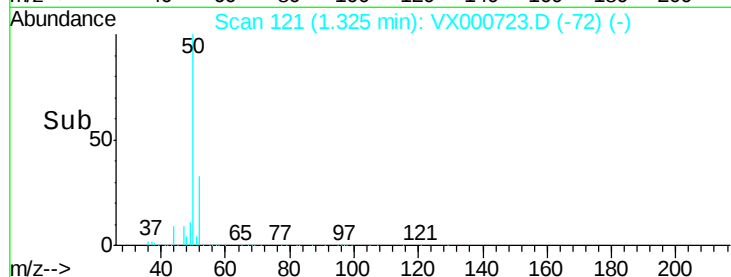
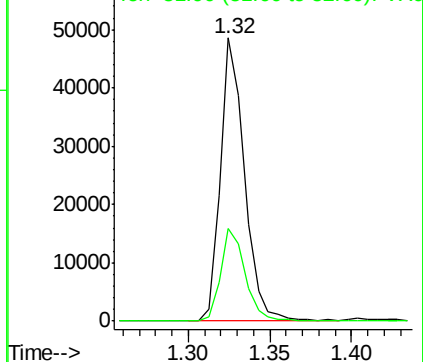
sam

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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: 18.14 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000723.D

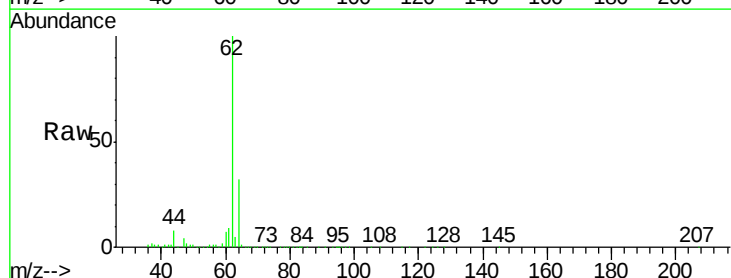
Acq: 08 Apr 2018 11:44

Tgt Ion: 62 Resp: 52172

Ion Ratio Lower Upper

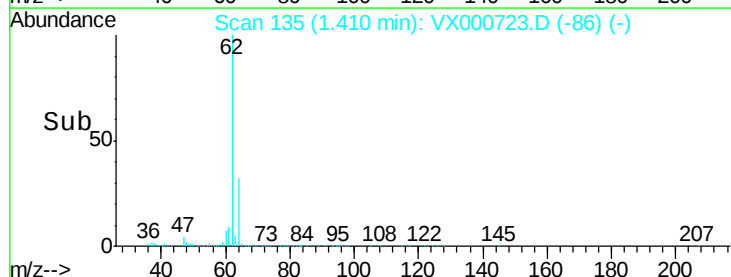
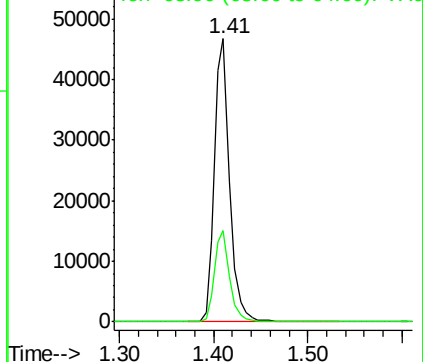
62 100

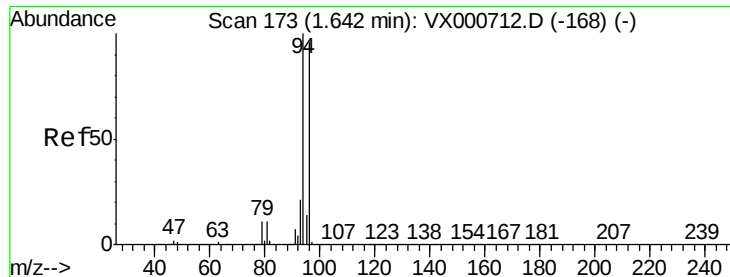
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.49 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 94 Resp: 39353

Ion Ratio Lower Upper

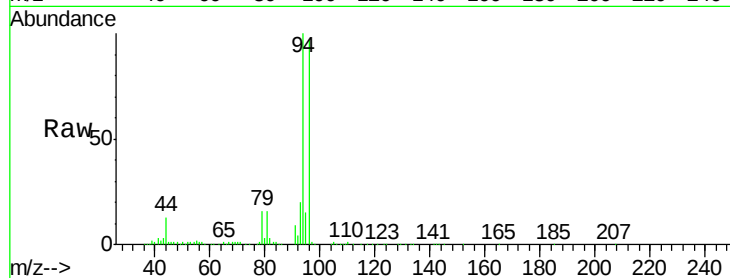
94 100

96 96.0 76.5 114.7

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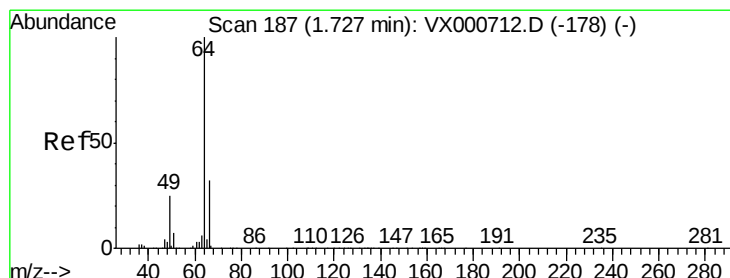
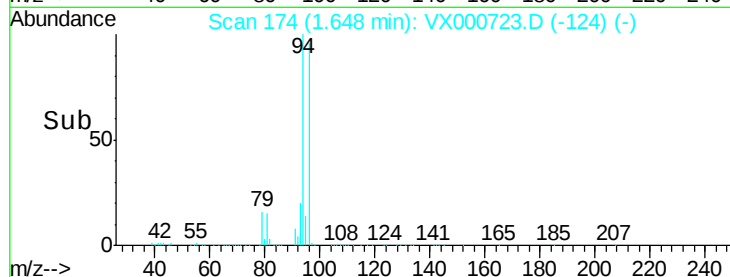
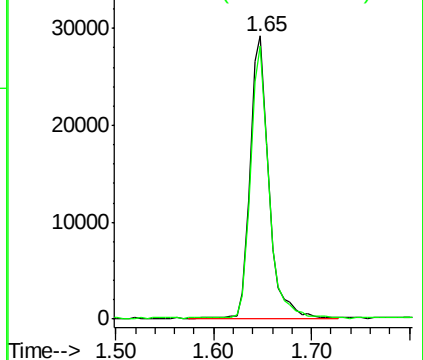
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.43 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000723.D

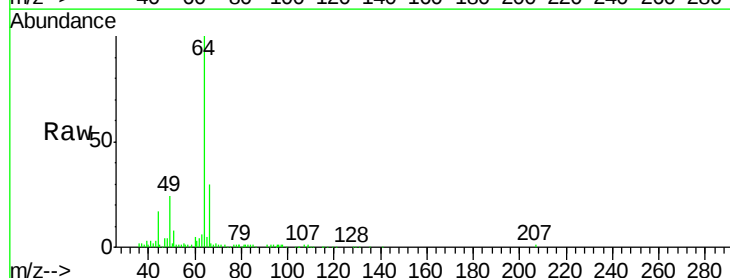
Acq: 08 Apr 2018 11:44

Tgt Ion: 64 Resp: 32521

Ion Ratio Lower Upper

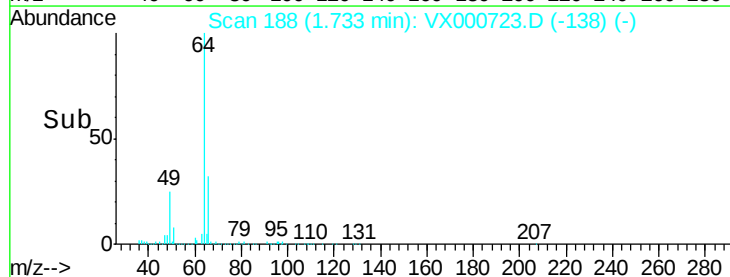
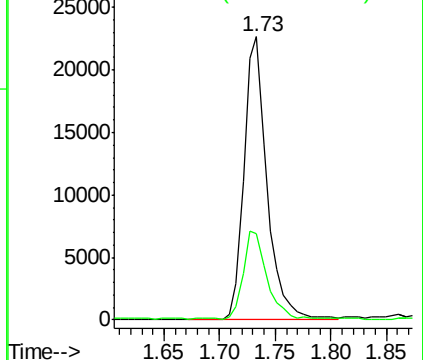
64 100

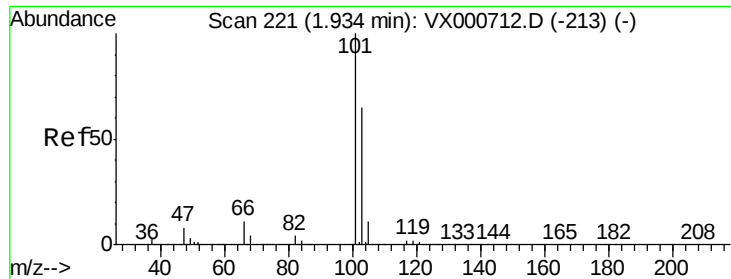
66 30.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

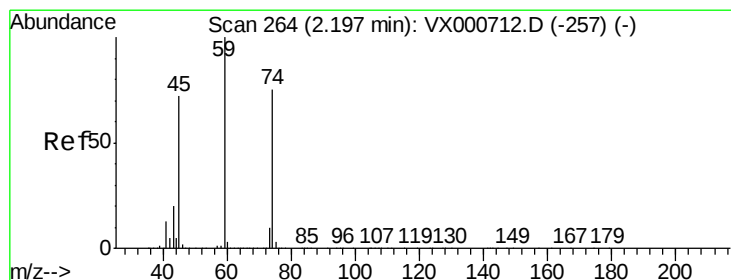
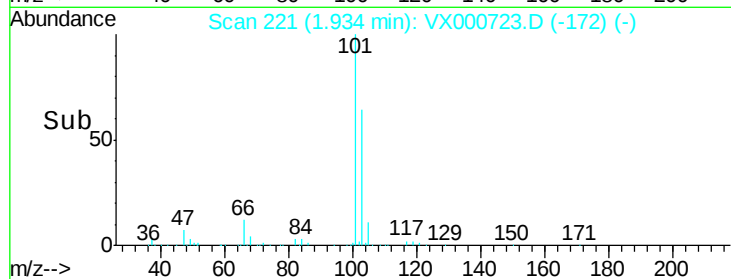
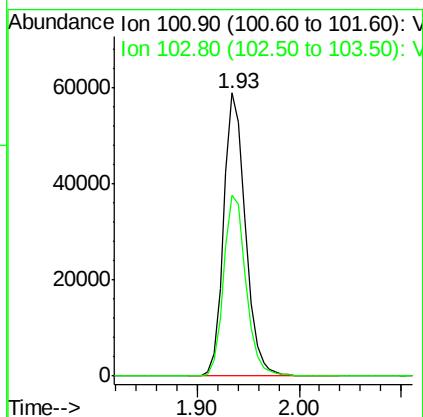
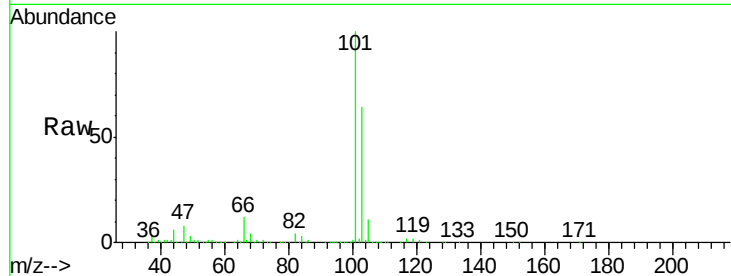
Trichlorofluoromethane
Concen: 18.51 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

Manual Integrations
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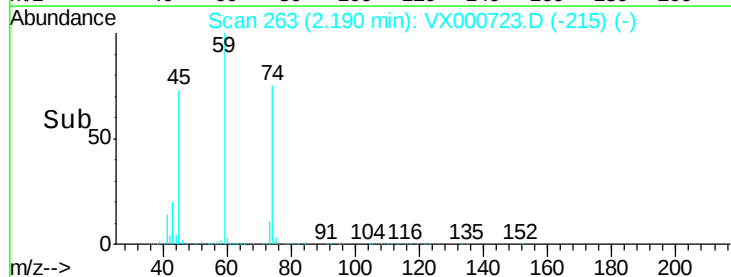
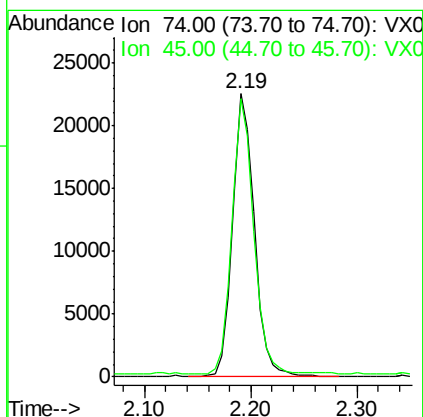
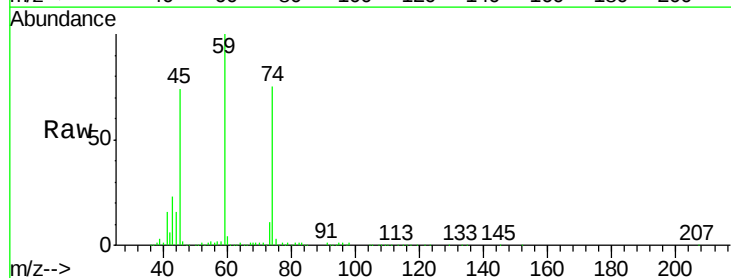
sam
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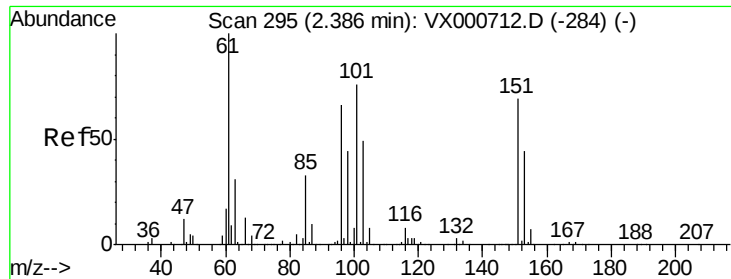


#8

Diethyl Ether
Concen: 19.64 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.4	145.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

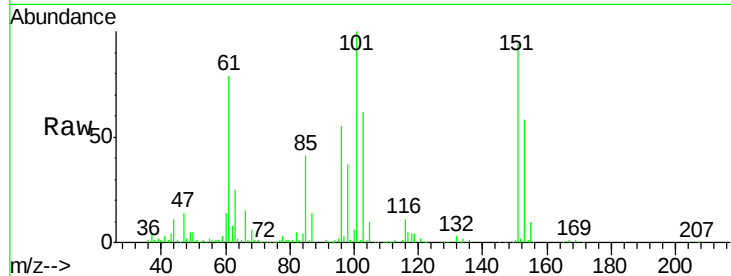
ClientSampleId :

VX0408WBS01

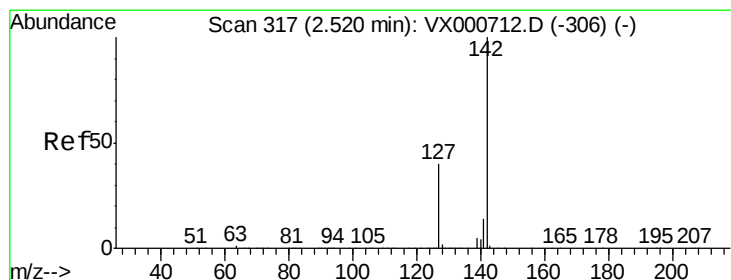
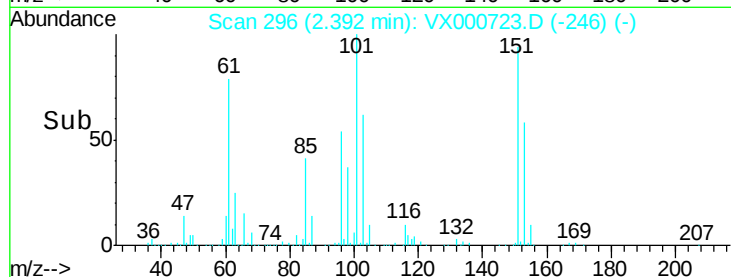
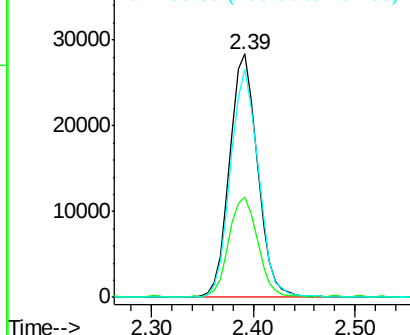
Tot Ion:	101	Resp:	53975
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.3	51.5
151	93.7	73.8	110.8

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sam
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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: 19.02 ug/l

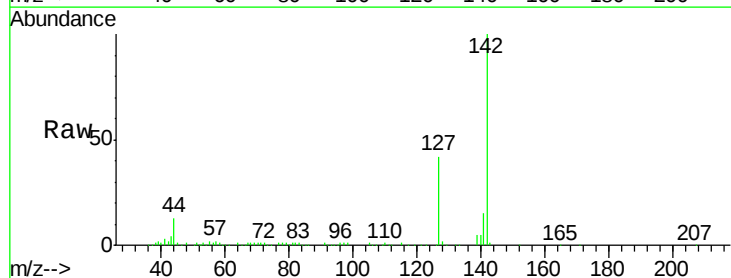
RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

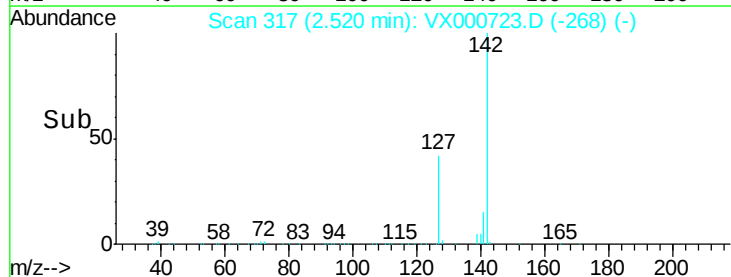
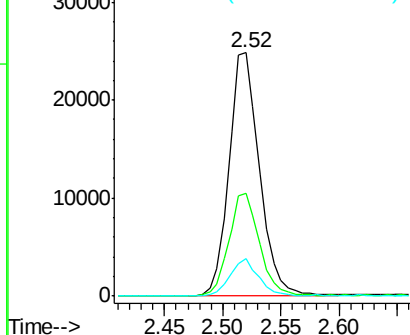
Lab File: VX000723.D

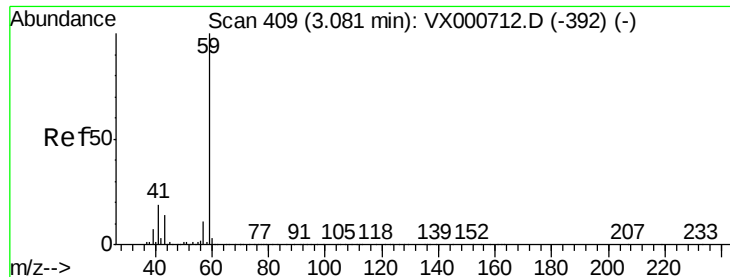
Acq: 08 Apr 2018 11:44

Tgt Ion:	142	Resp:	45445
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	14.6	11.4	17.0



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





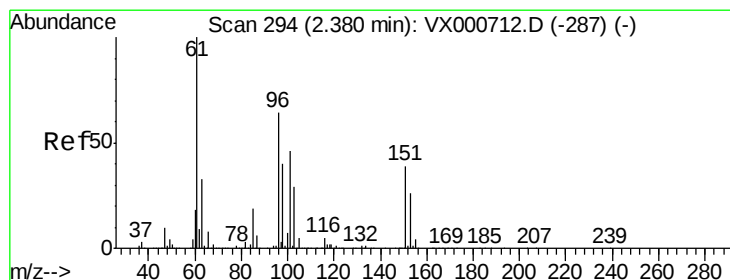
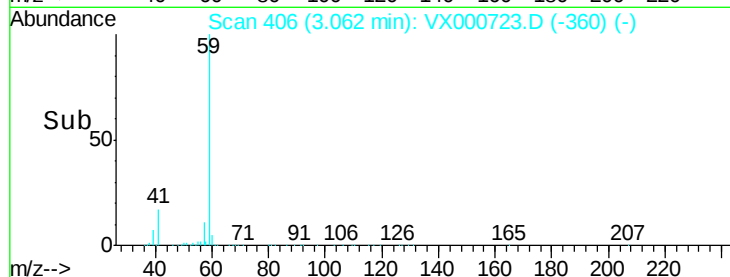
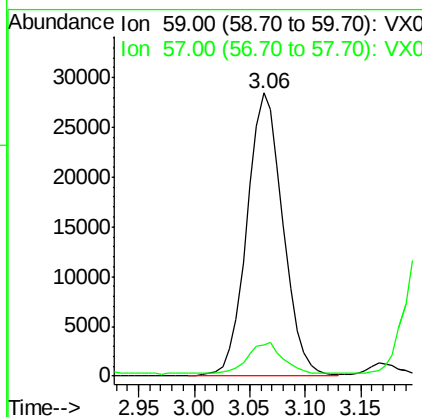
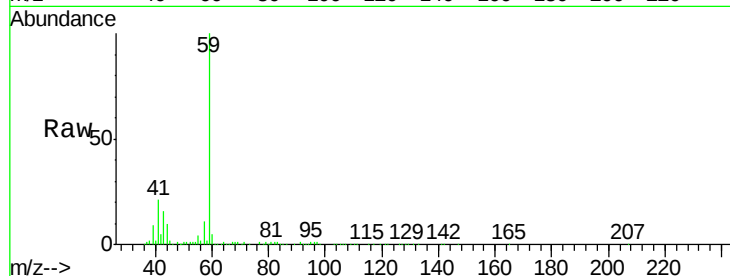
#11
Tert butyl alcohol
Concen: 93.50 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion: 59 Resp: 64297
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

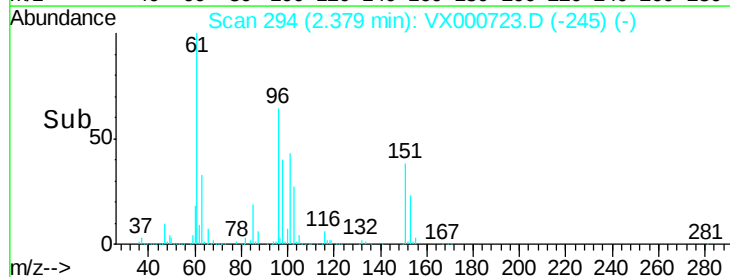
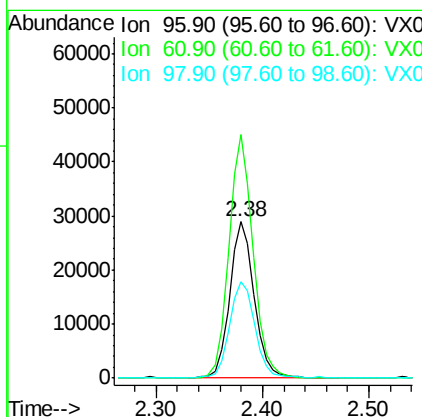
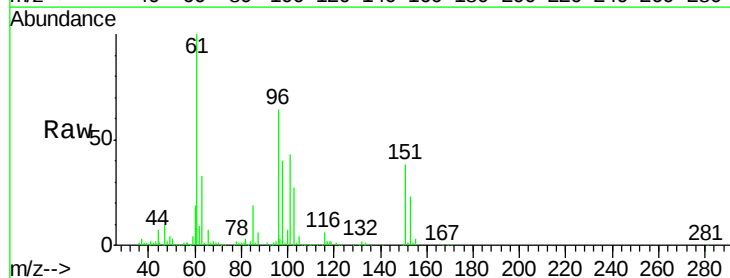
Manual Integrations
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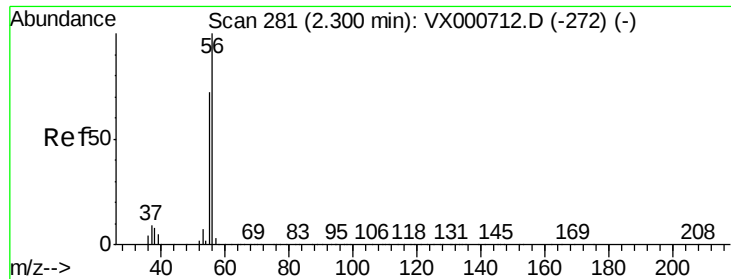
sam
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#12
1,1-Dichloroethene
Concen: 18.64 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion: 96 Resp: 46167
Ion Ratio Lower Upper
96 100
61 156.3 125.0 187.4
98 61.8 50.5 75.7





#13

Acrolein

Concen: 81.84 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 56 Resp: 24630

Ion Ratio Lower Upper

56 100

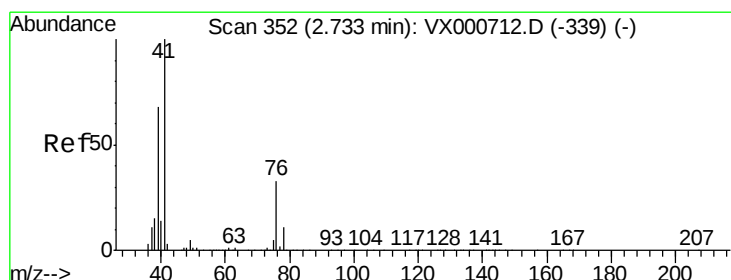
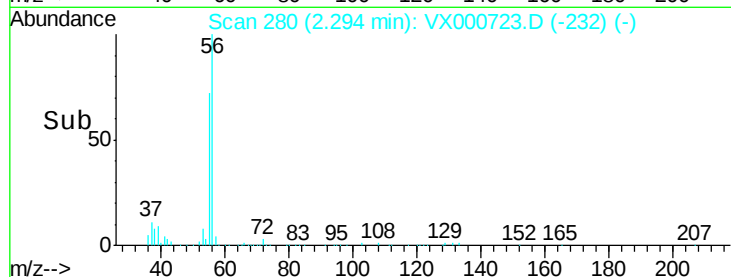
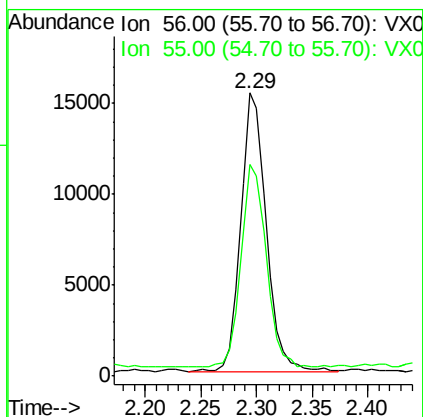
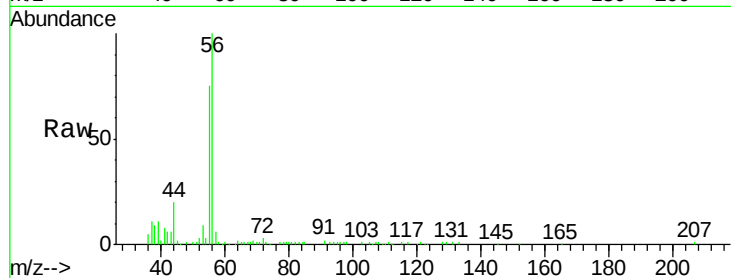
55 71.1 57.4 86.2

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 18.28 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

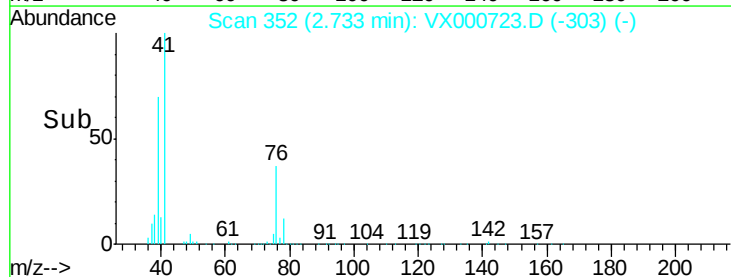
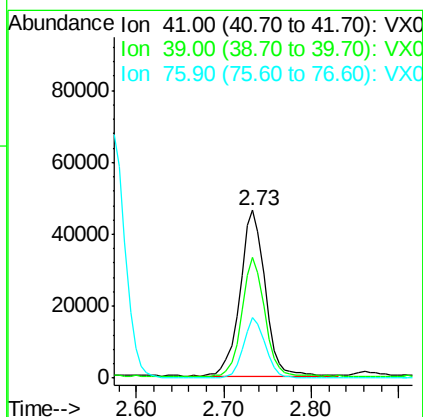
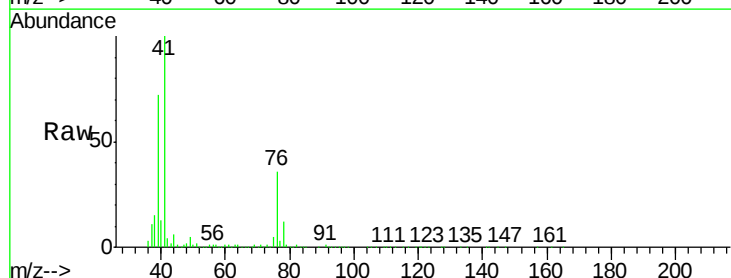
Tgt Ion: 41 Resp: 91506

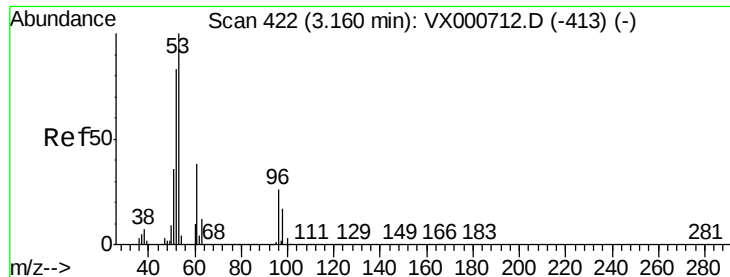
Ion Ratio Lower Upper

41 100

39 65.9 52.4 78.6

76 32.2 25.9 38.9





#15

Acrylonitrile

Concen: 90.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

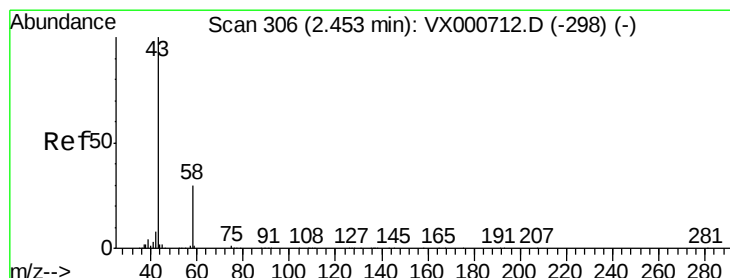
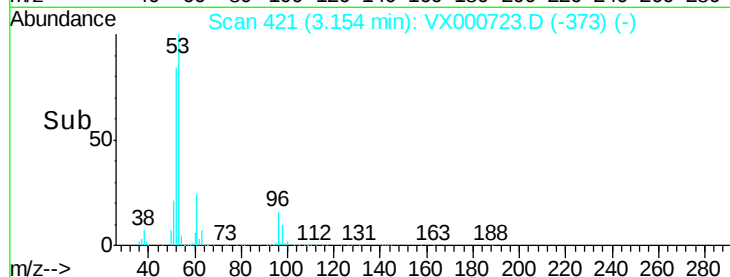
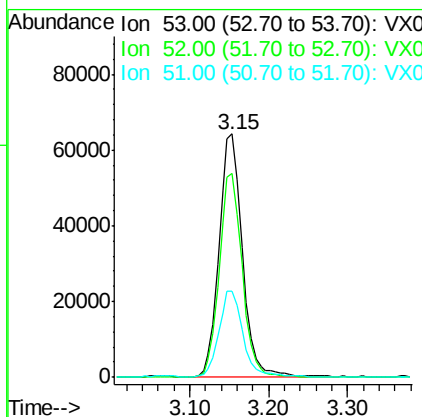
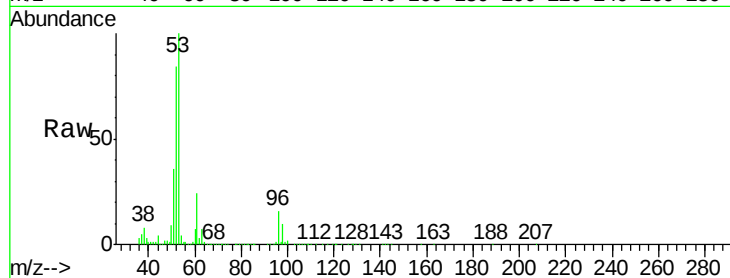
ClientSampled :

VX0408WBS01

Tot Ion:	53	Resp:	130501
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.1	99.1
51	36.6	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 91.42 ug/l

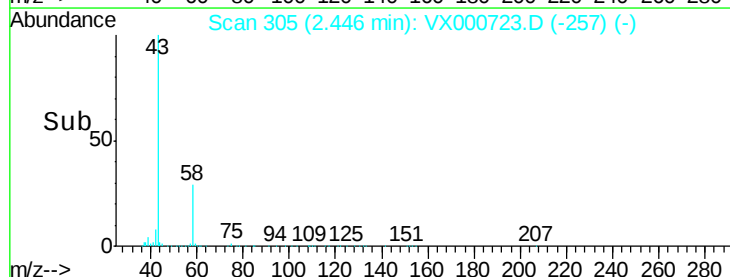
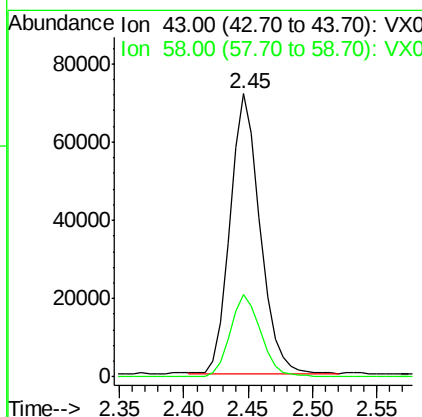
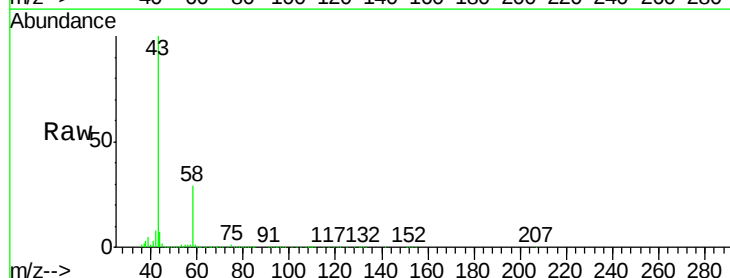
RT: 2.45 min Scan# 305

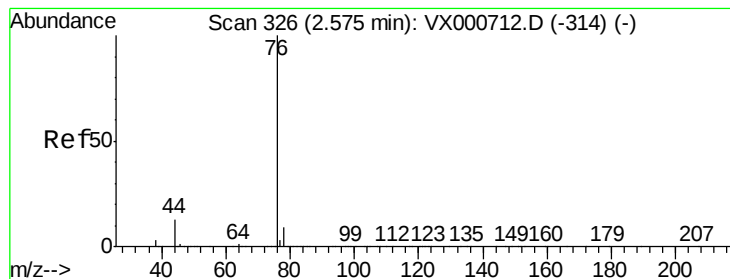
Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Tgt Ion:	43	Resp:	115882
Ion Ratio	Lower	Upper	
43	100		
58	29.2	24.0	36.0





#17

Carbon Disulfide

Concen: 19.00 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 76 Resp: 110148

Ion Ratio Lower Upper

76 100

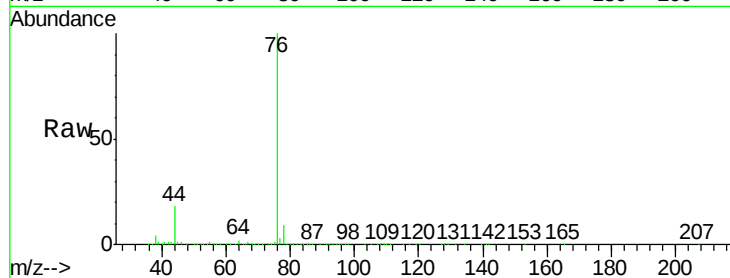
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

40000

20000

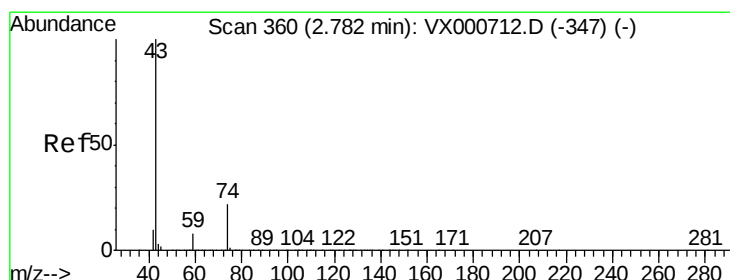
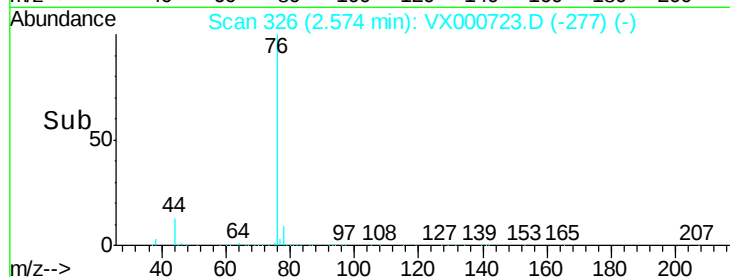
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 18.43 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000723.D

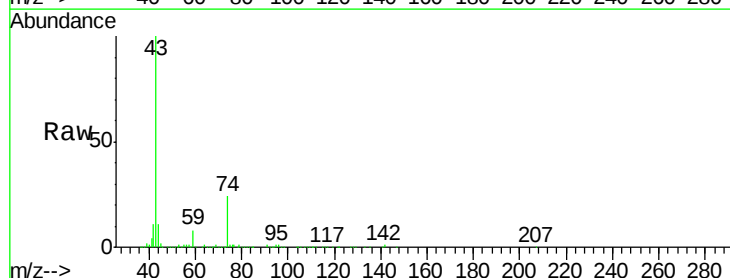
Acq: 08 Apr 2018 11:44

Tgt Ion: 43 Resp: 69380

Ion Ratio Lower Upper

43 100

74 24.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

30000

20000

10000

0

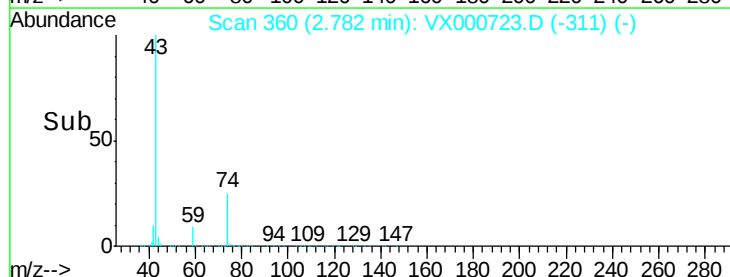
Time-->

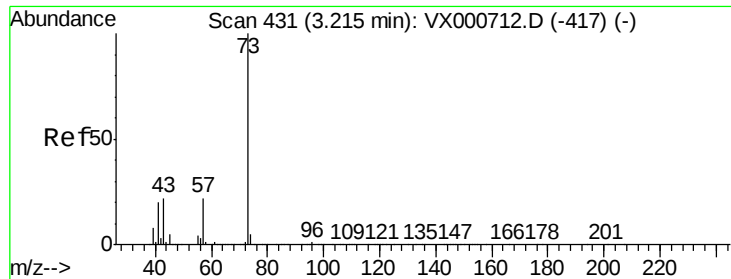
2.70

2.75

2.80

2.85





#19

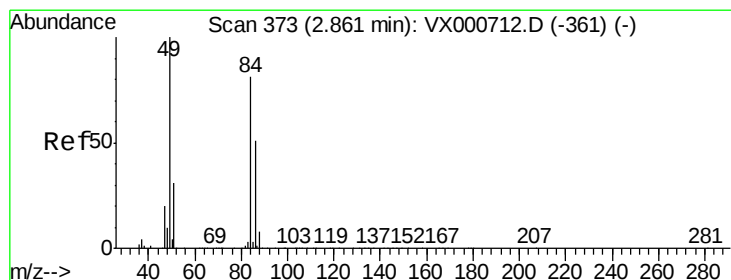
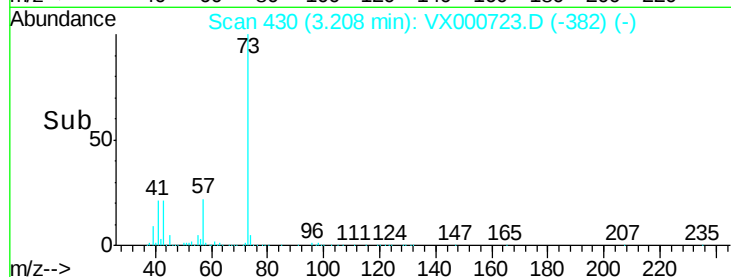
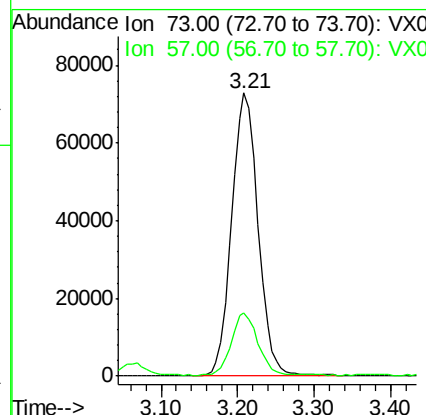
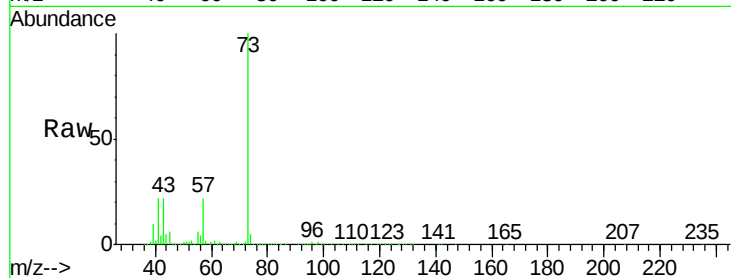
Methyl tert-butyl Ether
Concen: 18.90 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.3	25.9

Manual Integrations
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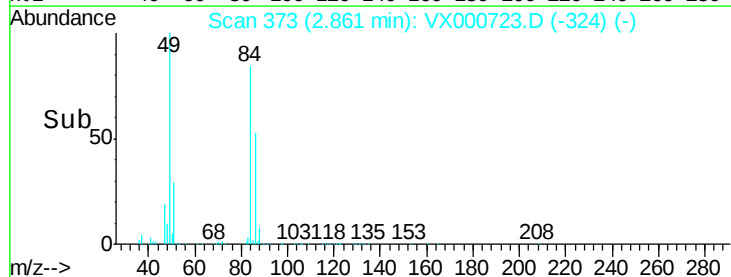
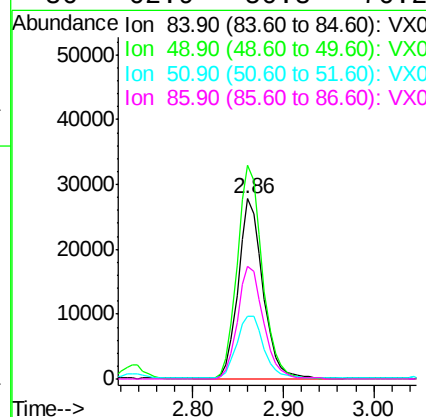
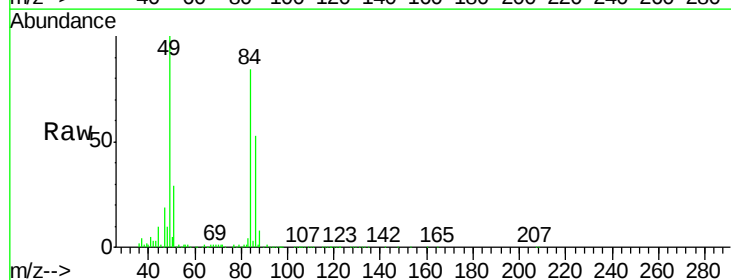
sam
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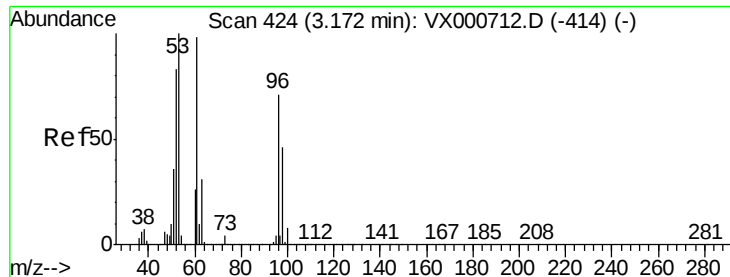


#20

Methylene Chloride
Concen: 17.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	98.6	148.0
51	34.2	30.8	46.2
86	62.9	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 19.10 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

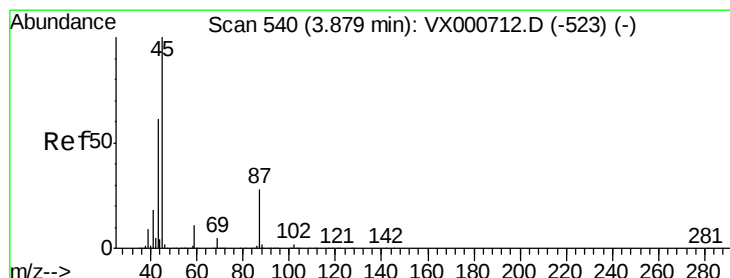
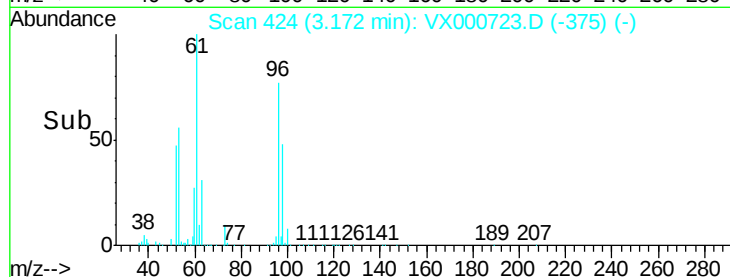
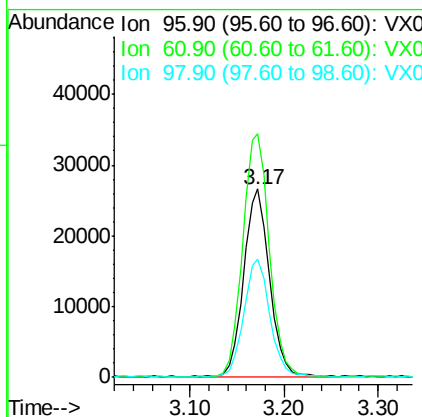
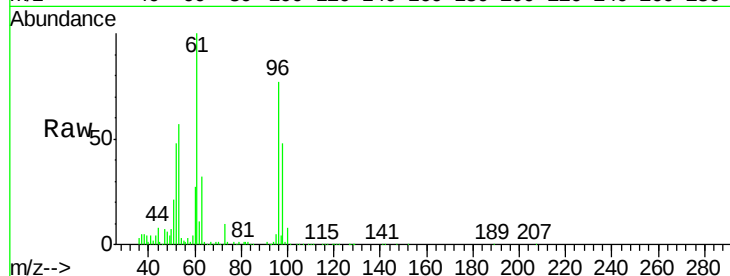
ClientSampleId :

VX0408WBS01

Tot Ion:	96	Resp:	50570
Ion	Ratio	Lower	Upper
96	100		
61	129.4	109.8	164.6
98	62.4	51.5	77.3

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 17.77 ug/l

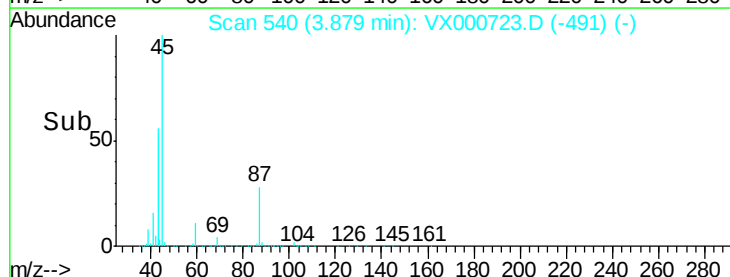
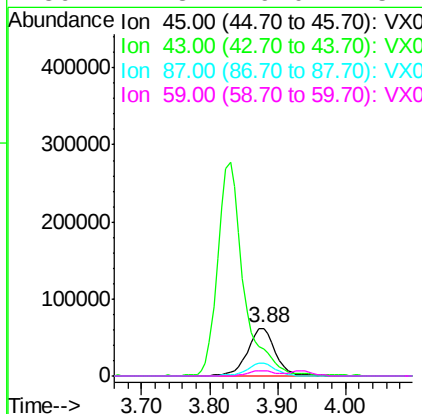
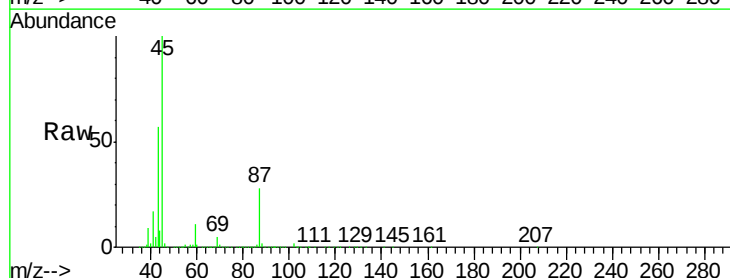
RT: 3.88 min Scan# 540

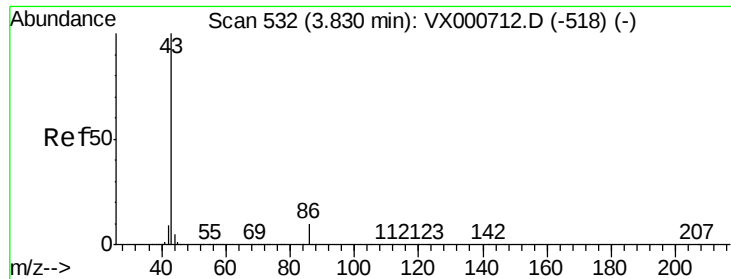
Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Tgt Ion:	45	Resp:	174304
Ion	Ratio	Lower	Upper
45	100		
43	55.9	49.2	73.8
87	27.9	22.7	34.1
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 87.63 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 43 Resp: 728041

Ion Ratio Lower Upper

43 100

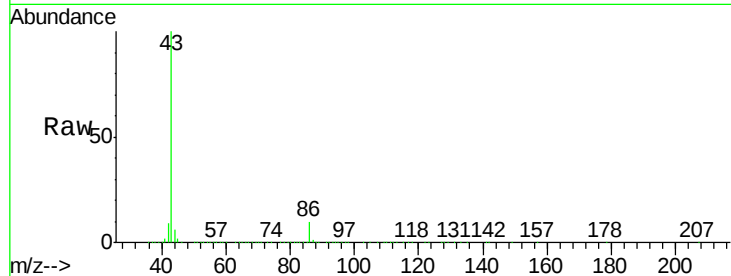
86 10.4 8.0 12.0

Manual Integrations

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

250000

200000

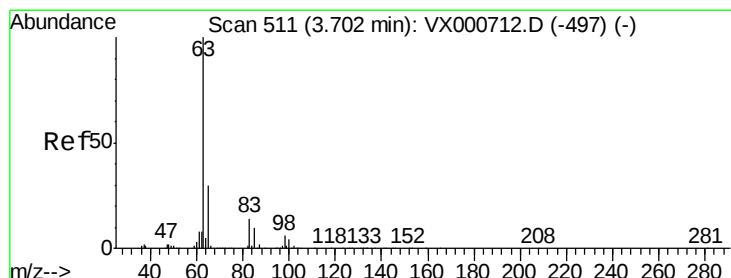
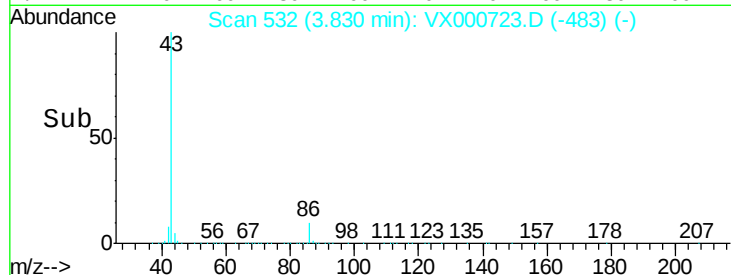
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.47 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

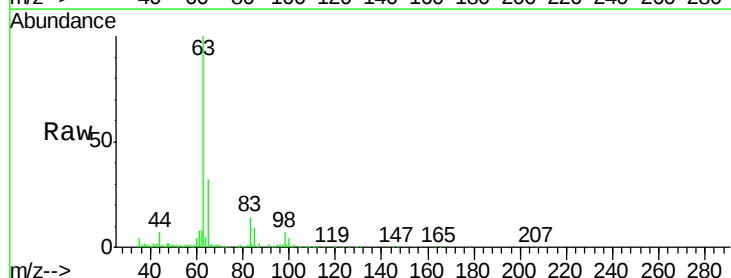
Tgt Ion: 63 Resp: 94833

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

40000

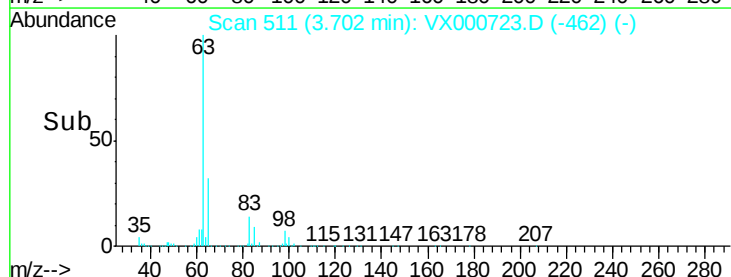
30000

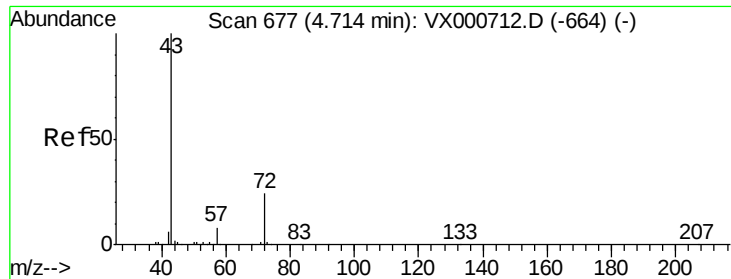
20000

10000

0

Time-->





#25

2-Butanone

Concen: 88.58 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 43 Resp: 196436

Ion Ratio Lower Upper

43 100

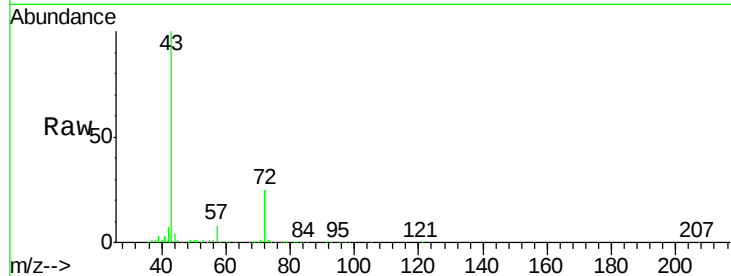
72 24.9 19.0 28.4

Manual Integrations

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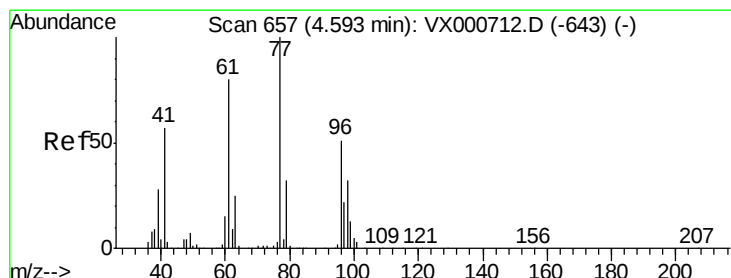
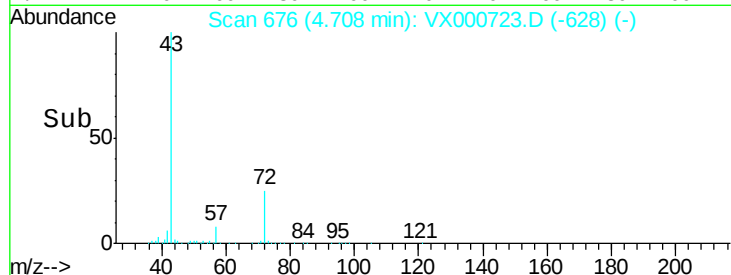
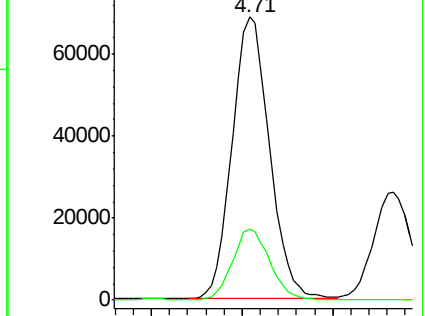
sam

4/9/2018 2:03:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.73 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000723.D

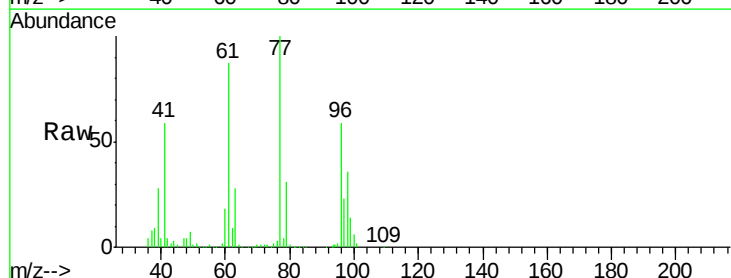
Acq: 08 Apr 2018 11:44

Tgt Ion: 77 Resp: 97913

Ion Ratio Lower Upper

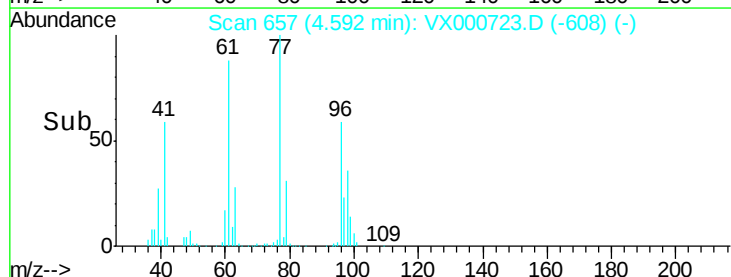
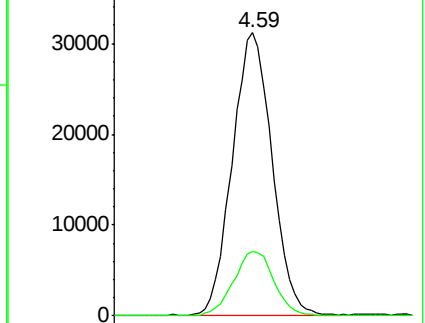
77 100

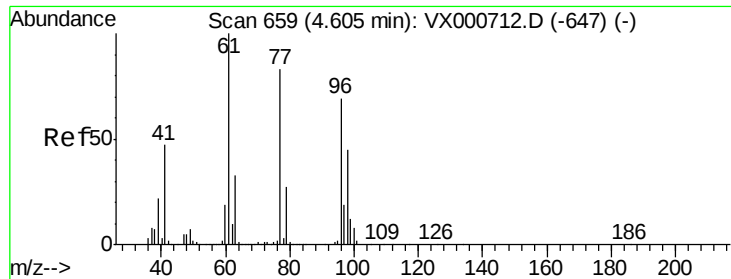
97 23.7 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

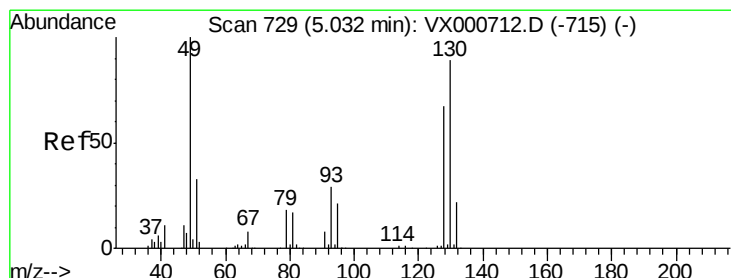
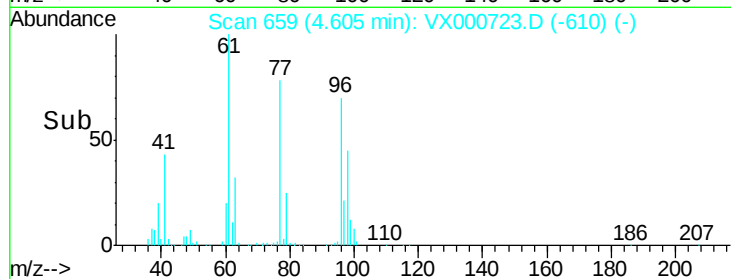
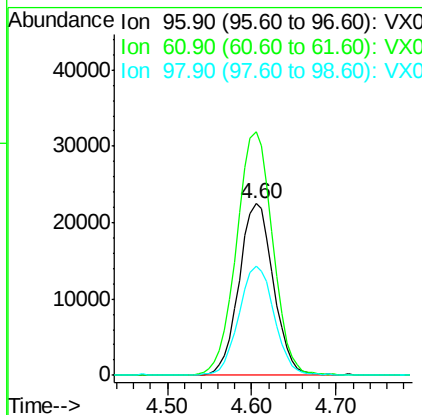
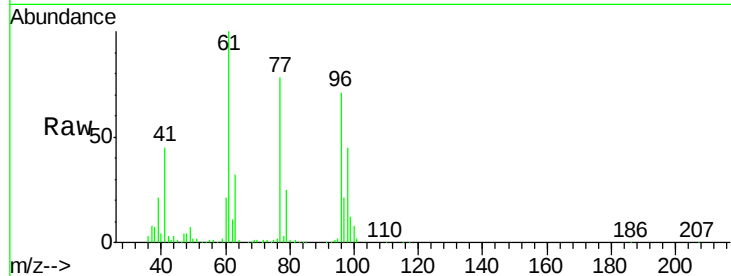
cis-1,2-Dichloroethene
Concen: 18.43 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	301.0
98	64.6	0.0	129.6

Manual Integrations
APPROVED

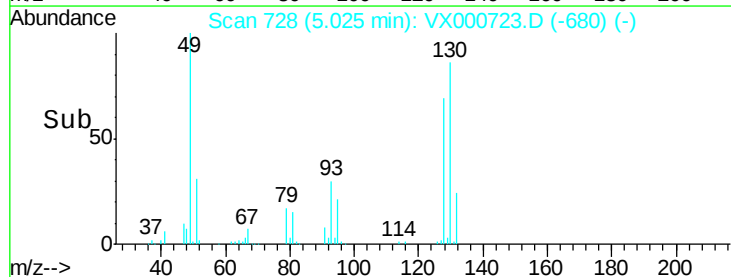
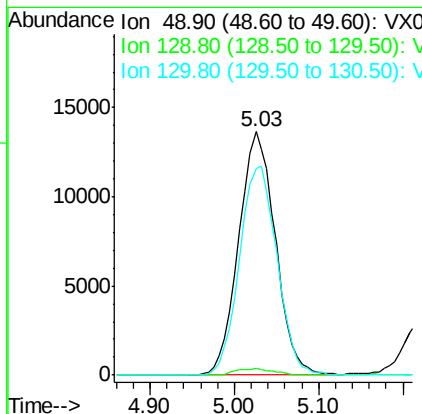
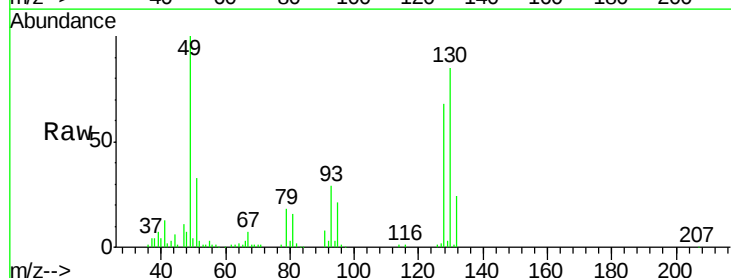
sam
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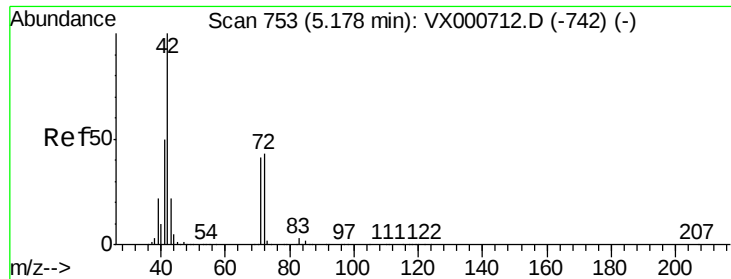


#28

Bromochloromethane
Concen: 17.38 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	87.7	69.0	103.4





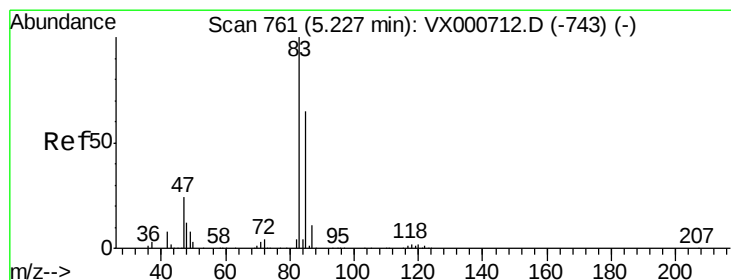
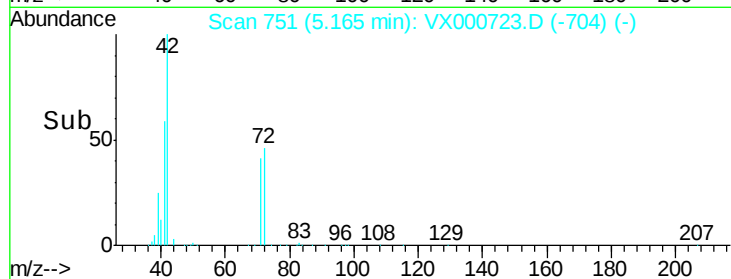
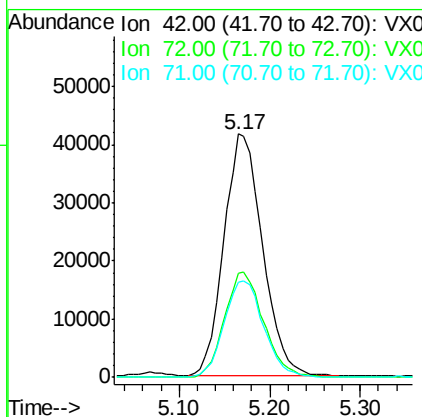
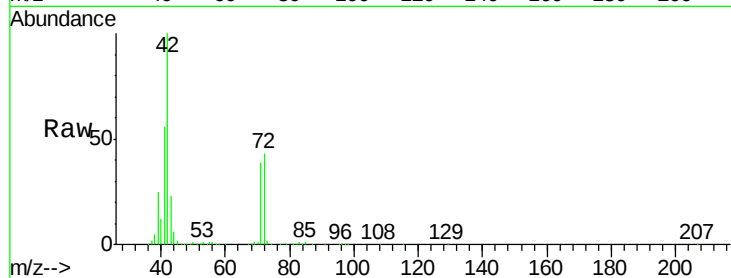
#29
Tetrahydrofuran
Concen: 87.07 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.4	51.6
71	41.0	32.0	48.0

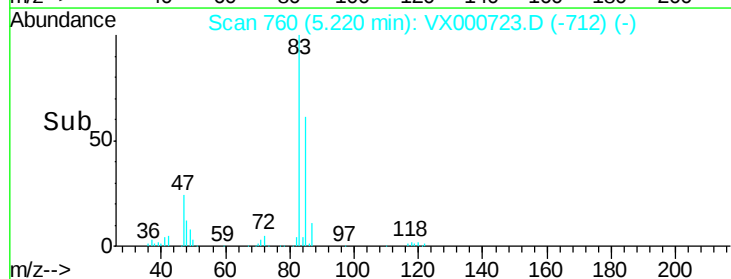
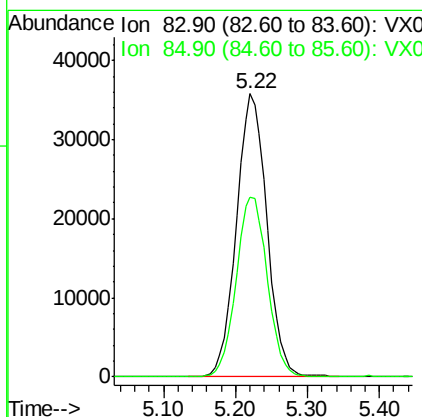
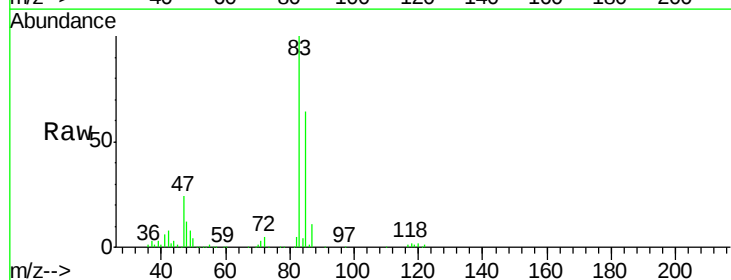
Manual Integrations
APPROVED

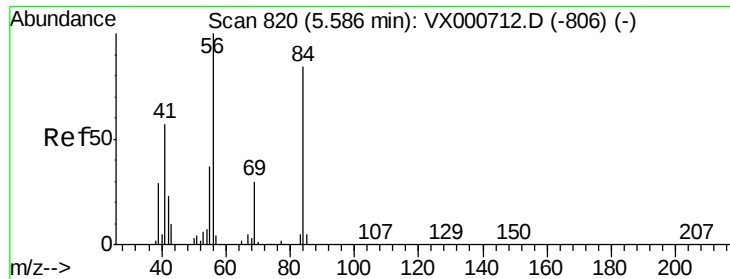
sam
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#30
Chloroform
Concen: 18.69 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5





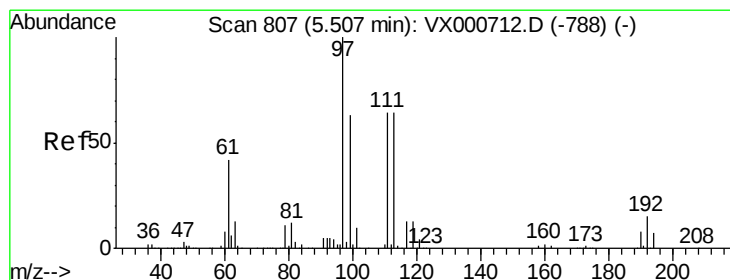
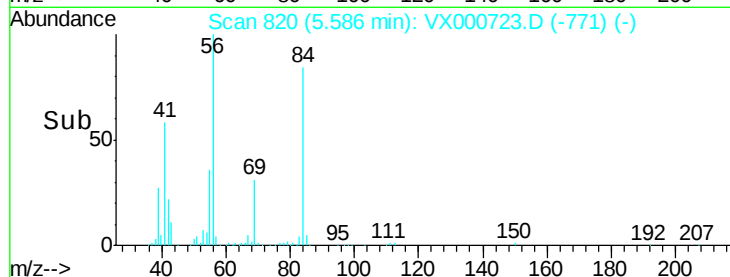
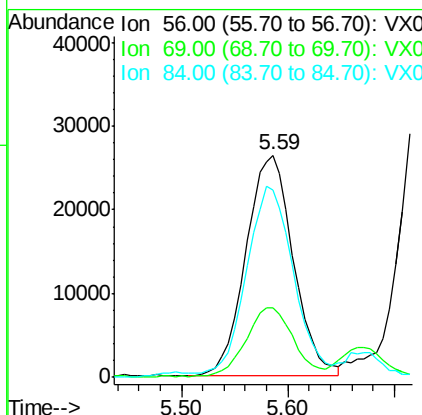
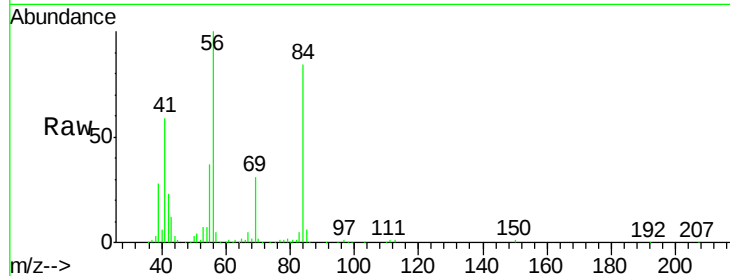
#31
Cvclohexane
Concen: 18.82 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.6
84	83.1	67.4	101.2

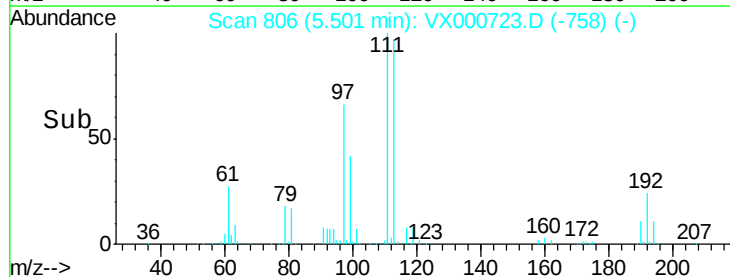
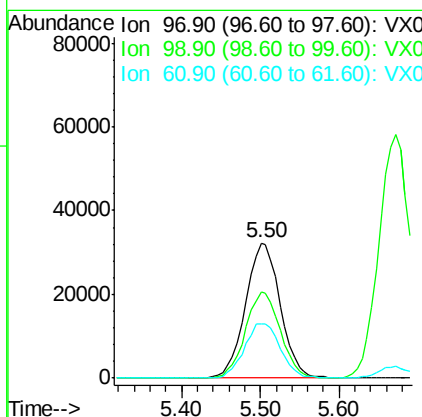
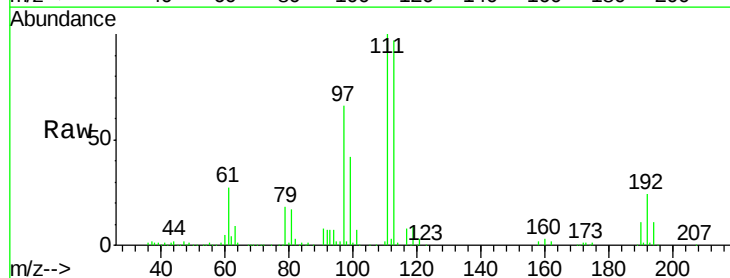
Manual Integrations
APPROVED

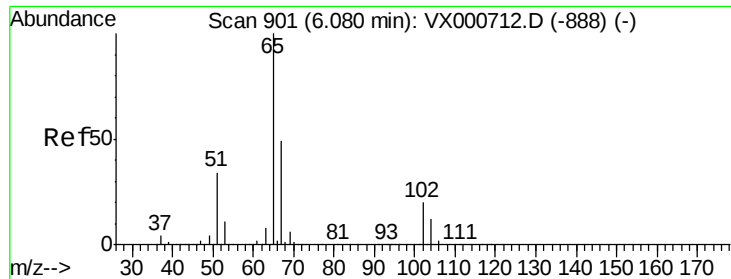
sam
4/9/2018 2:03:14 PM



#32
1,1,1-Trichloroethane
Concen: 18.54 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	42.4	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 45.22 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 65 Resp: 182747

Ion Ratio Lower Upper

65 100

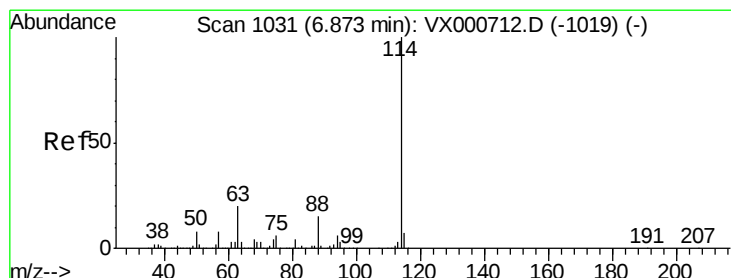
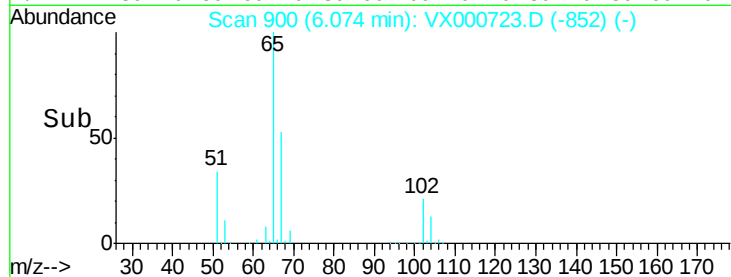
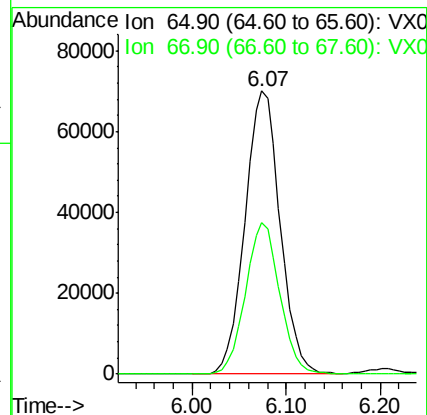
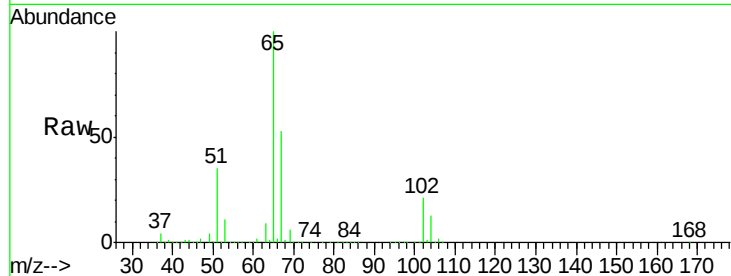
67 51.8 0.0 102.6

Manual Integrations

APPROVED

sam

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

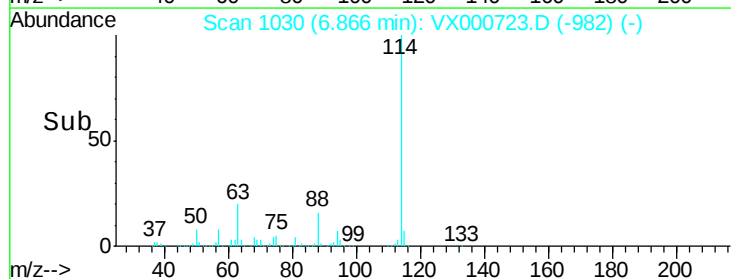
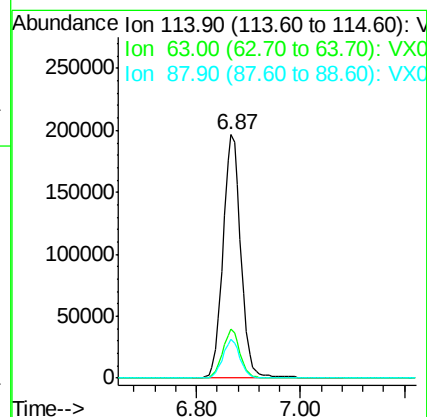
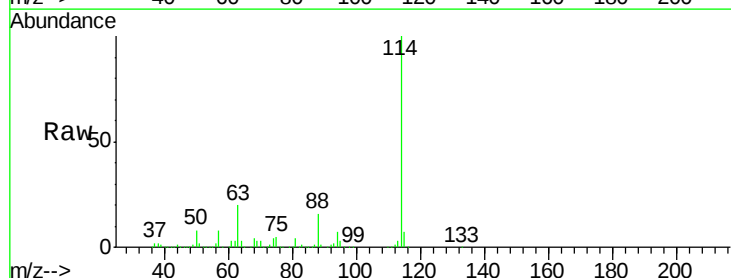
Tgt Ion: 114 Resp: 474674

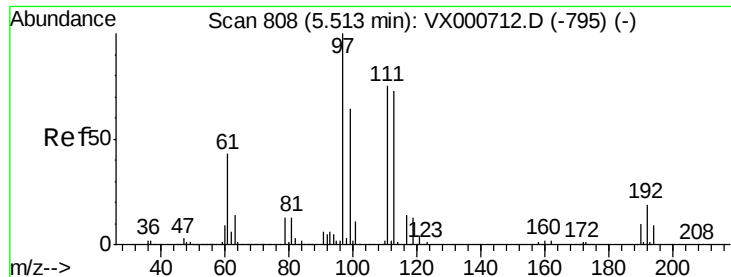
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.97 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

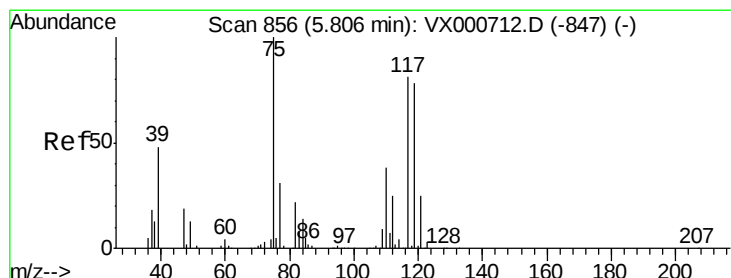
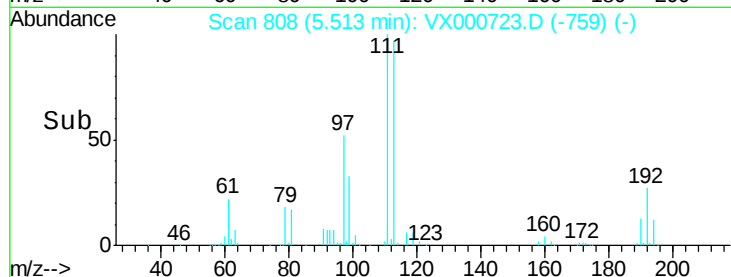
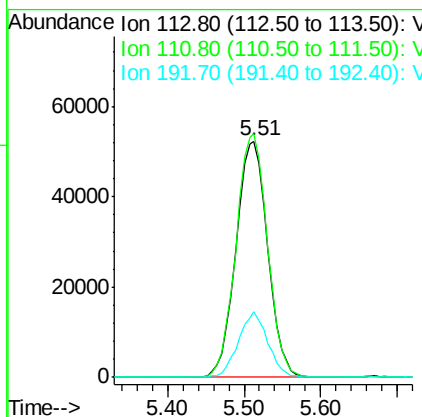
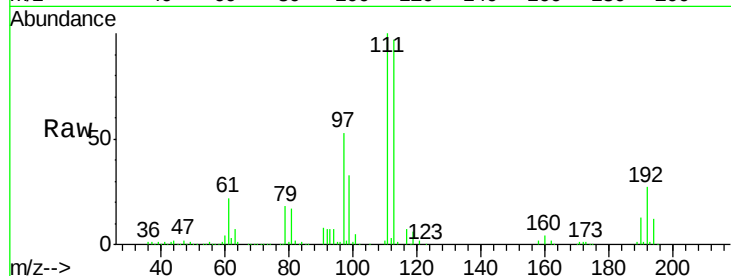
ClientSampled :

VX0408WBS01

Tot Ion:	113	Resp:	150226
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.5	122.3
192	25.9	20.0	30.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.72 ug/l

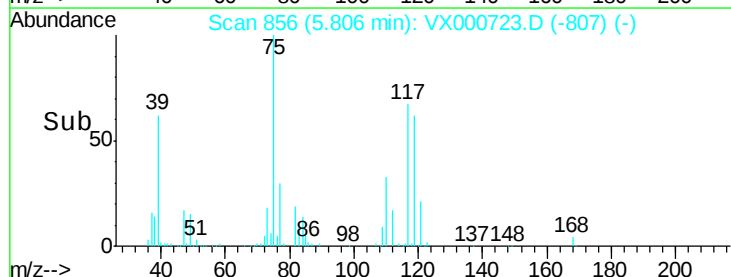
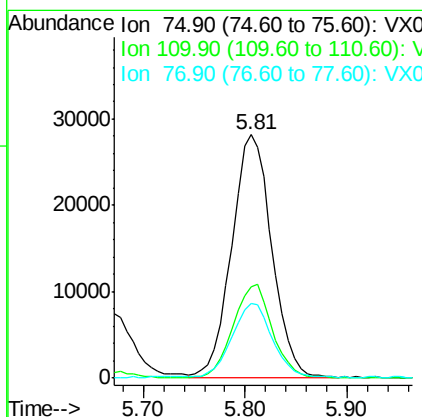
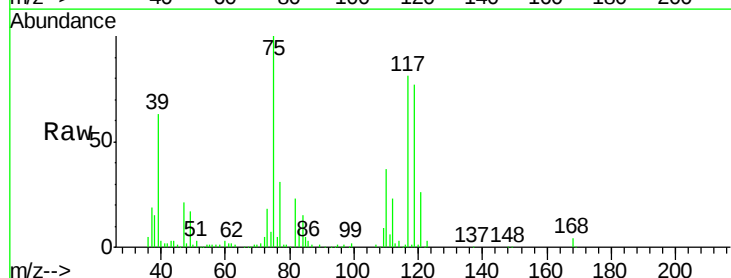
RT: 5.81 min Scan# 856

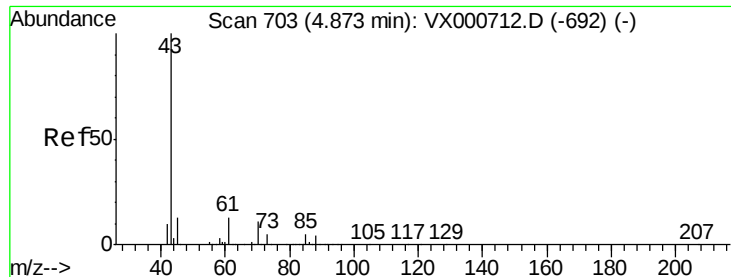
Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Tgt Ion:	75	Resp:	76111
Ion Ratio	Lower	Upper	
75	100		
110	38.4	18.6	56.0
77	30.8	24.6	37.0





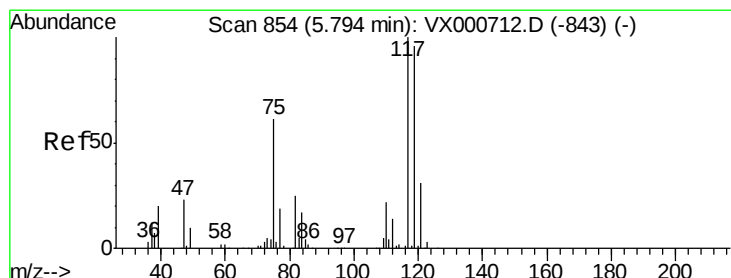
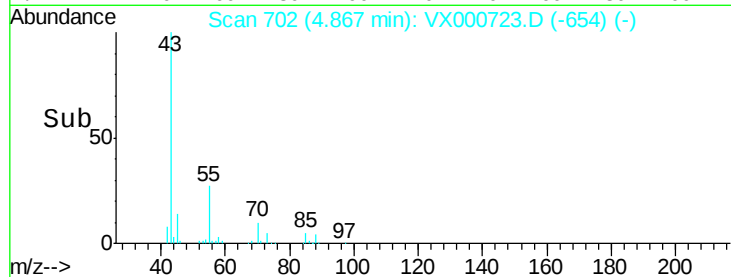
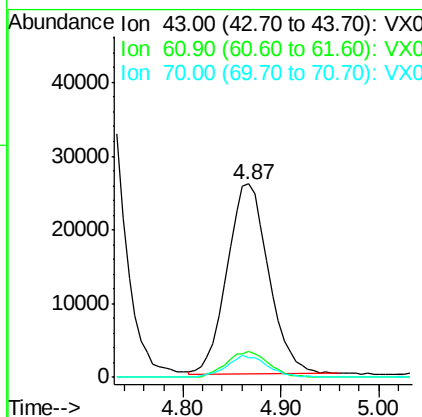
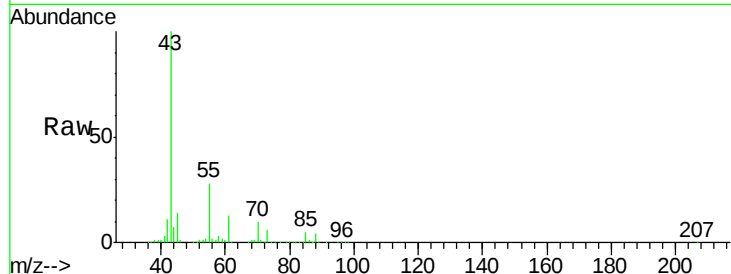
#37
Ethyl Acetate
Concen: 17.21 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion:	43	Resp:	75502
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	10.9	8.4	12.6

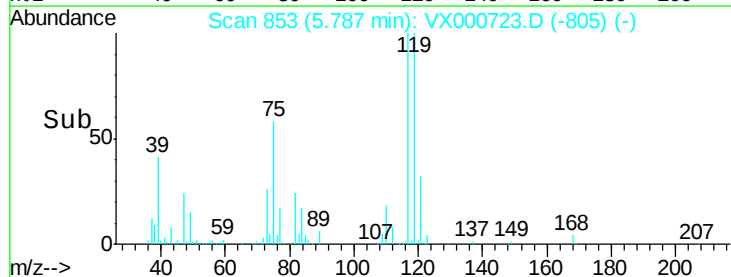
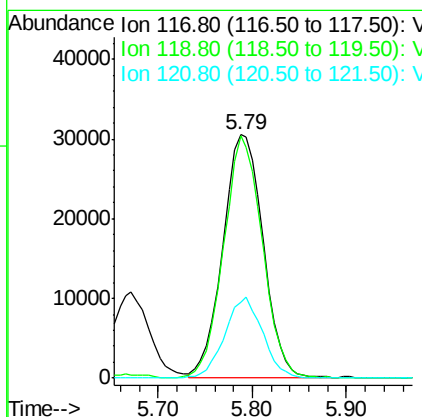
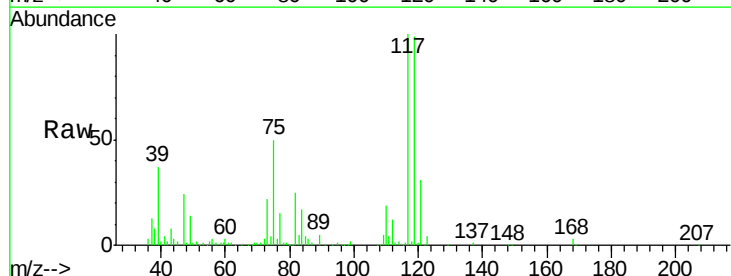
Manual Integrations
APPROVED

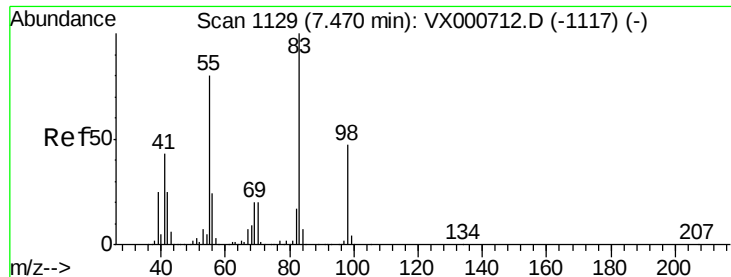
sam
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#38
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion:	117	Resp:	90756
Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.7	115.1
121	31.3	24.7	37.1





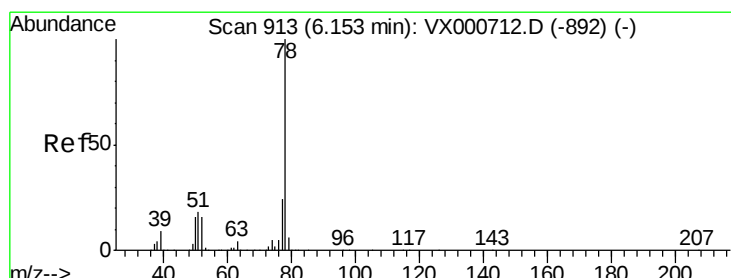
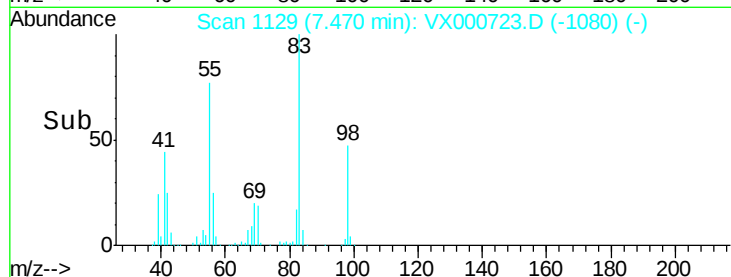
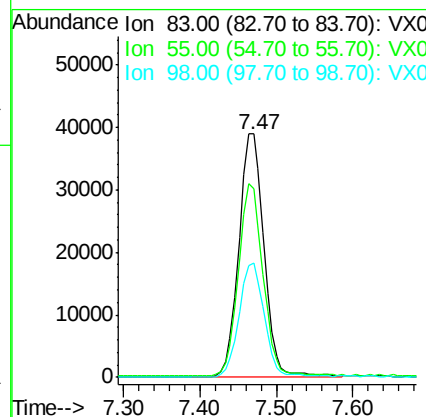
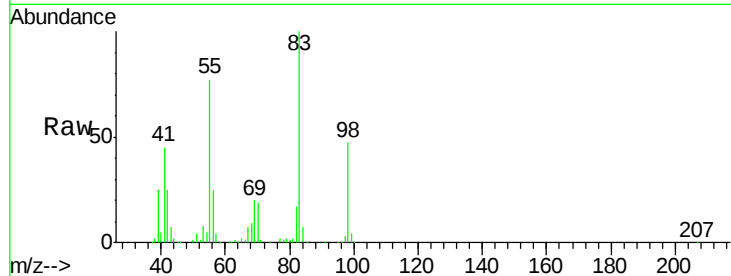
#39
Methvlcvclohexane
Concen: 19.47 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	63.7	95.5
98	47.1	37.2	55.8

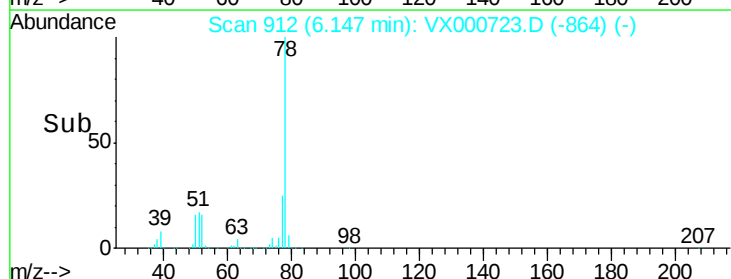
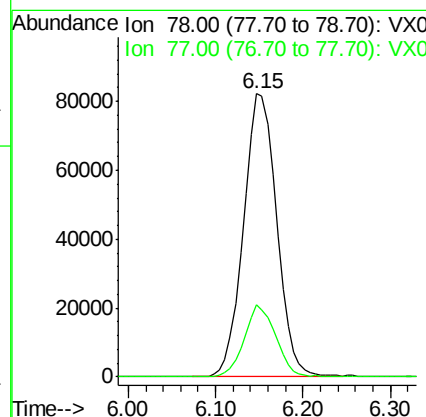
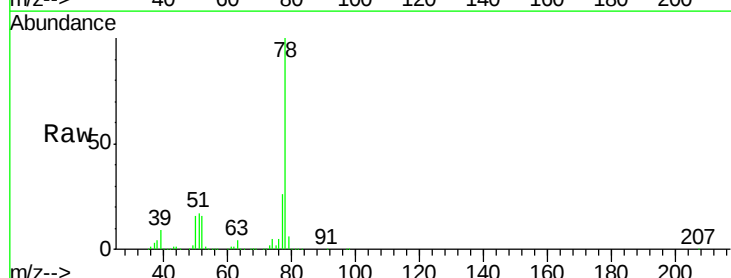
Manual Integrations
APPROVED

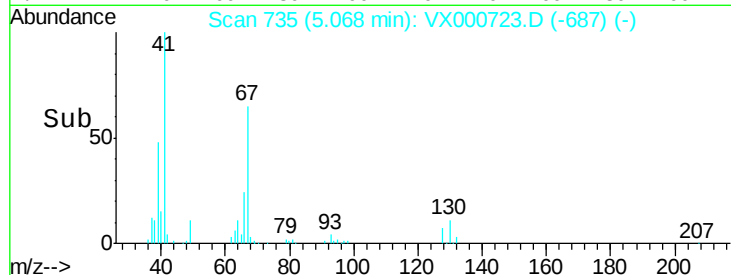
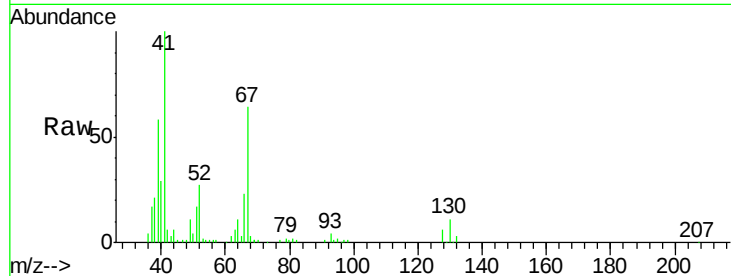
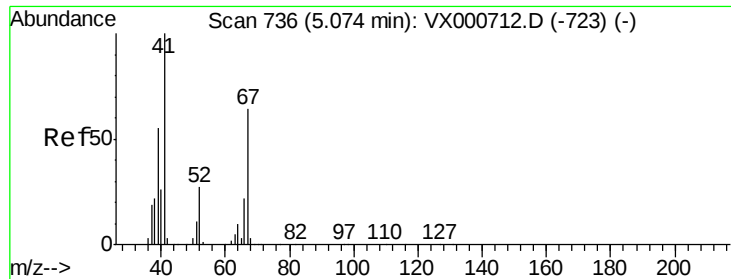
sam
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#40
Benzene
Concen: 19.07 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.0	28.4





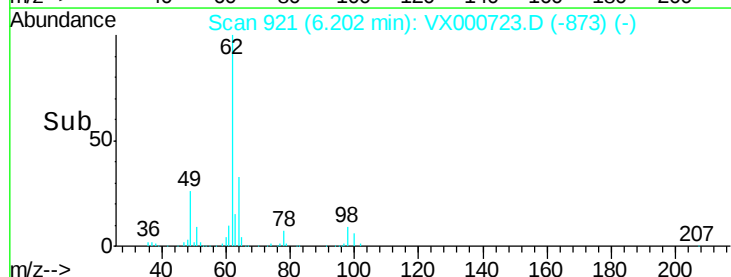
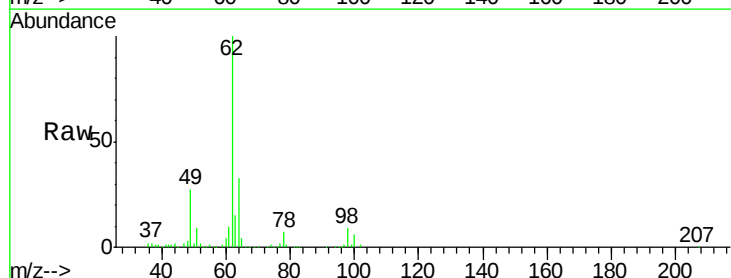
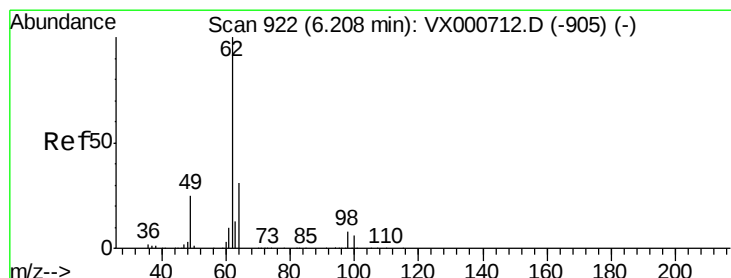
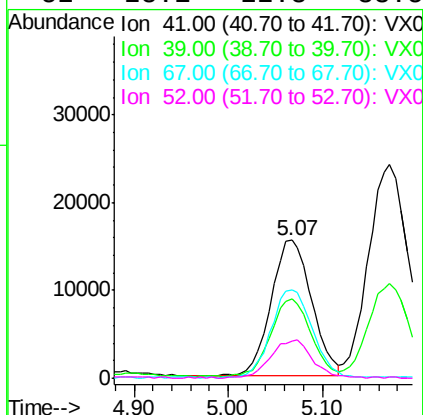
#41
Methacrylonitrile
Concen: 18.29 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		46505		
39	56.1	45.3	67.9		
67	65.8	52.7	79.1		
52	28.1	22.3	33.5		

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

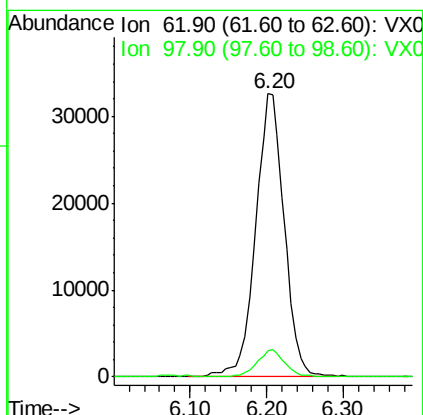
Manual Integrations
APPROVED

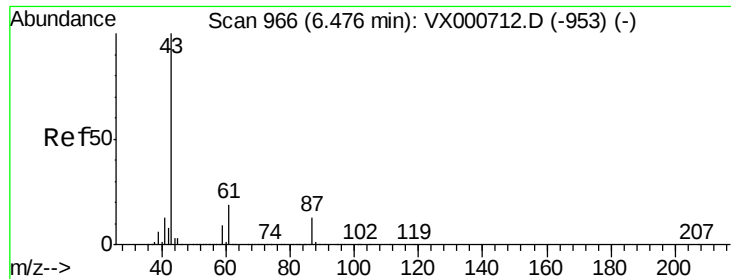
sam
4/9/2018 2:03:14 PM



#42
1,2-Dichloroethane
Concen: 18.81 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		84822		
98	9.4	0.0	17.2		





#43

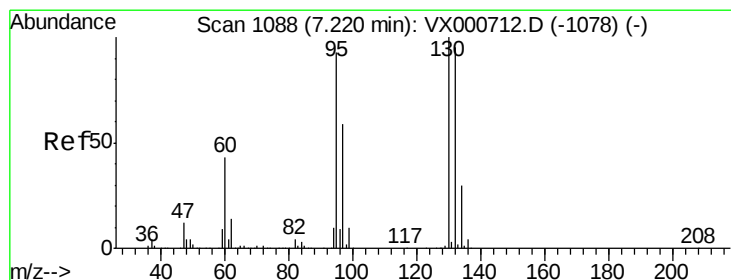
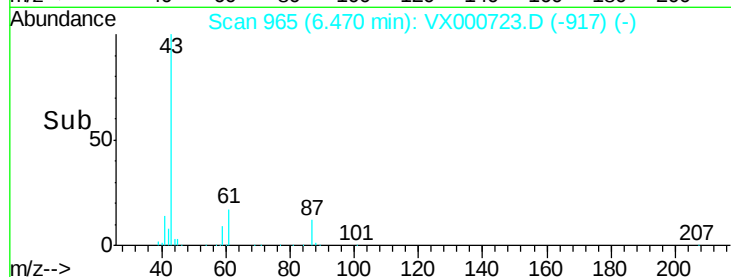
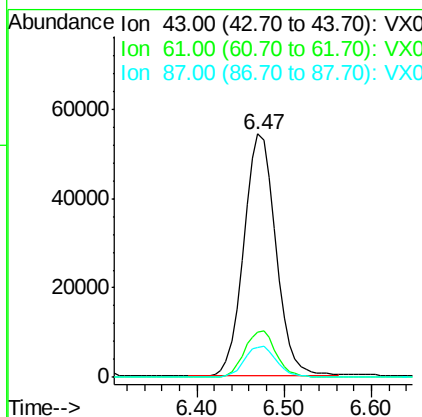
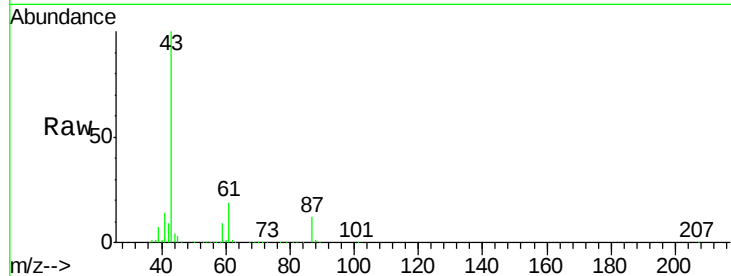
Isopropyl Acetate
 Concen: 18.03 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.9	10.4	15.6

Manual Integrations
 APPROVED

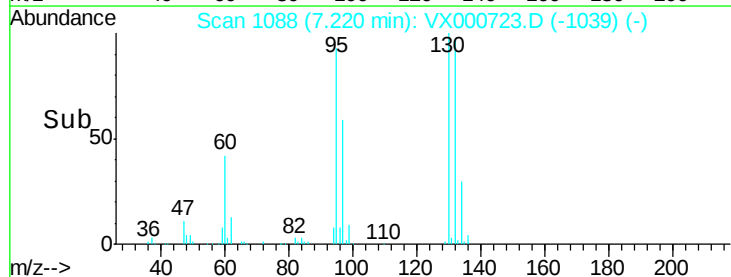
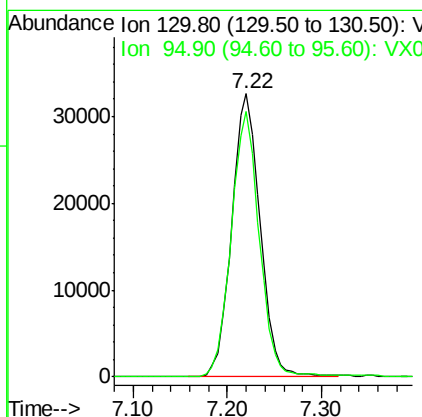
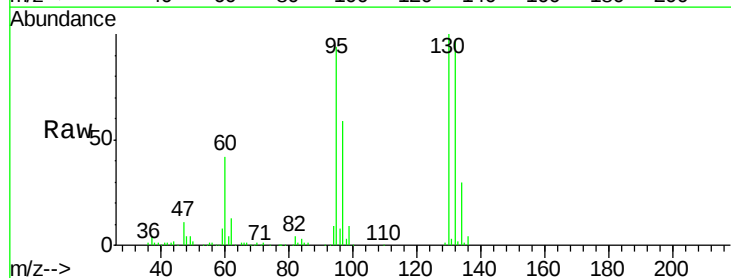
sam
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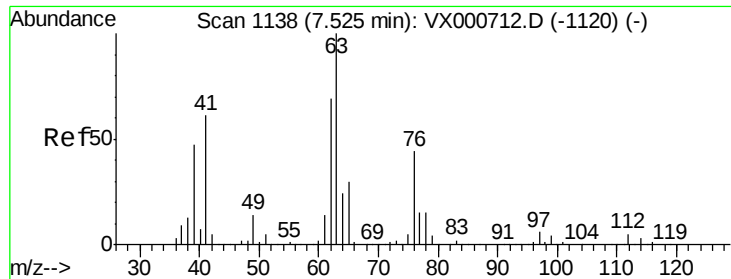


#44

Trichloroethene
 Concen: 19.62 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	185.4





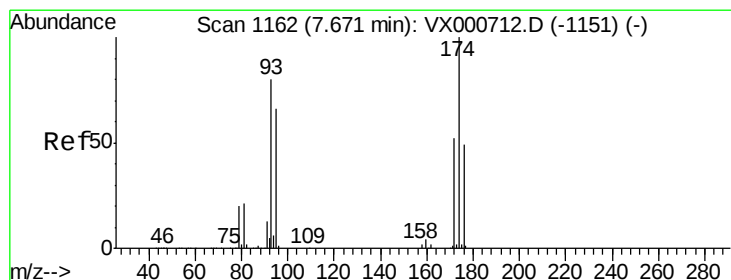
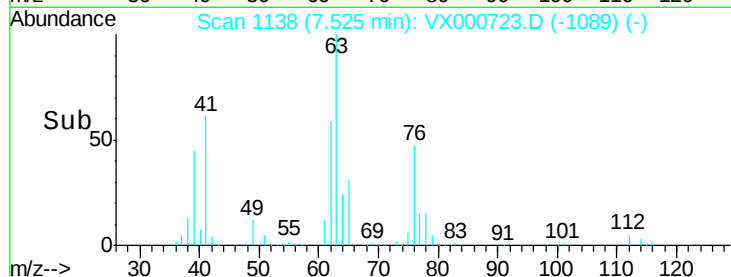
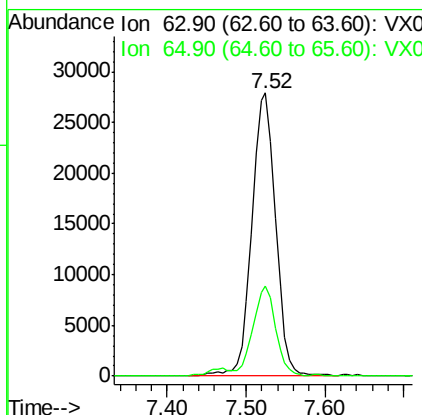
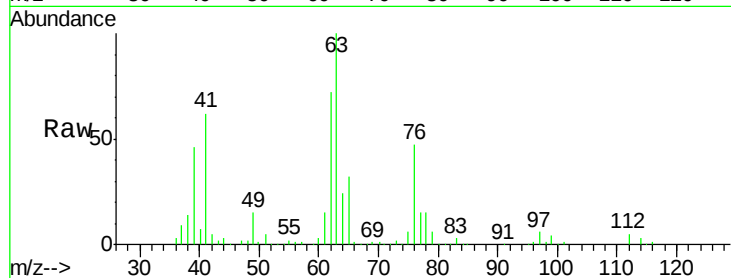
#45
 1,2-Dichloropropane
 Concen: 19.14 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.2

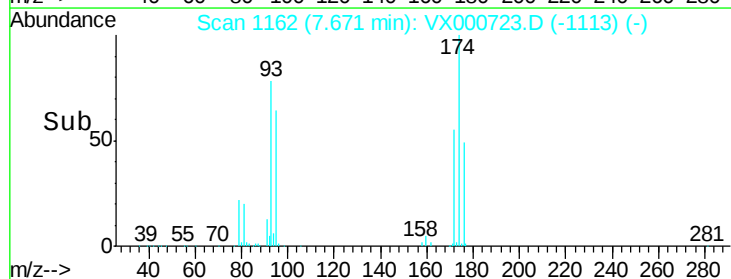
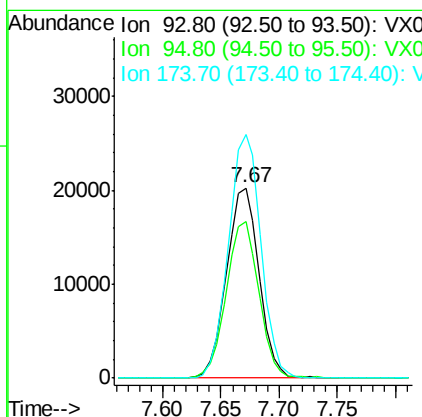
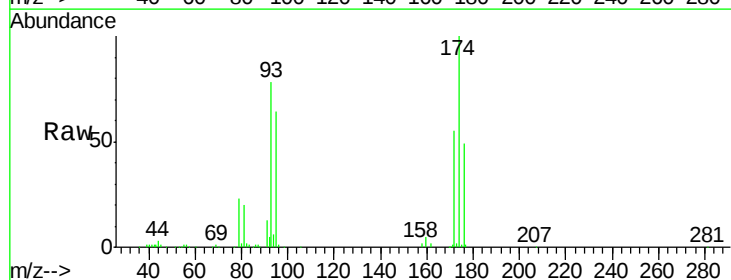
Manual Integrations
 APPROVED

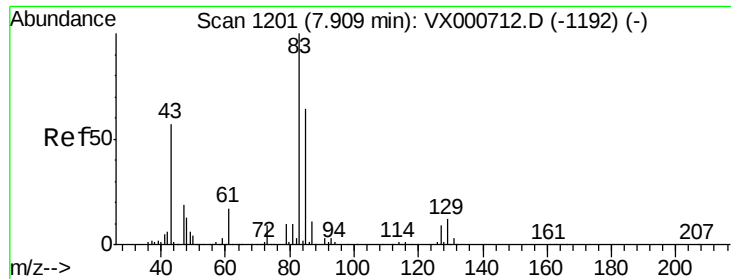
sam
 4/9/2018 2:03:14 PM



#46
 Dibromomethane
 Concen: 18.52 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.0	99.0
174	127.9	100.2	150.2





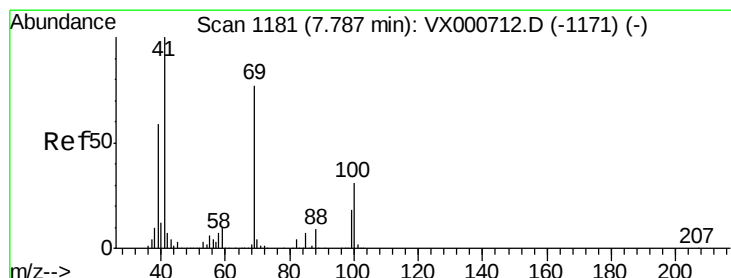
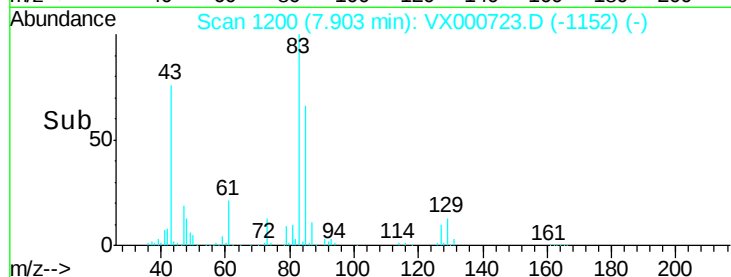
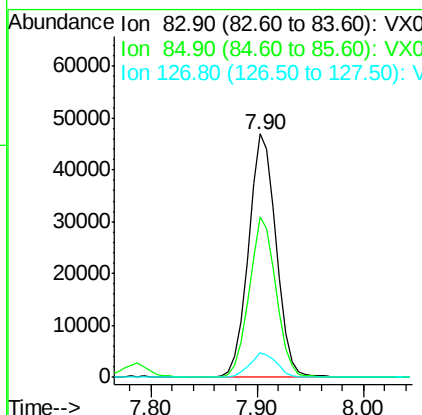
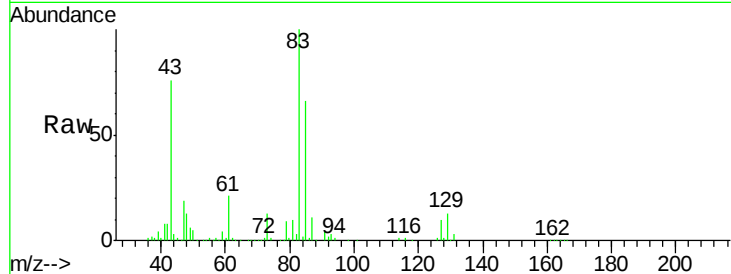
#47
 Bromodichloromethane
 Concen: 19.37 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	83	Resp	85279
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.0	76.4
127	10.1	7.4	11.2

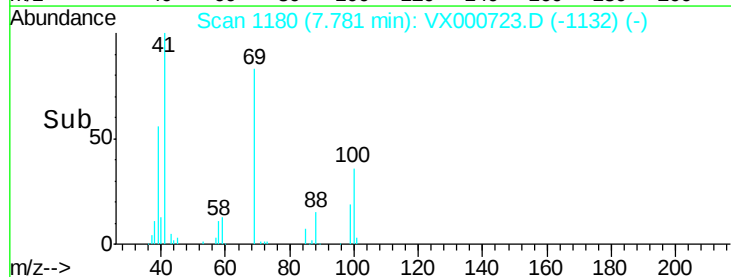
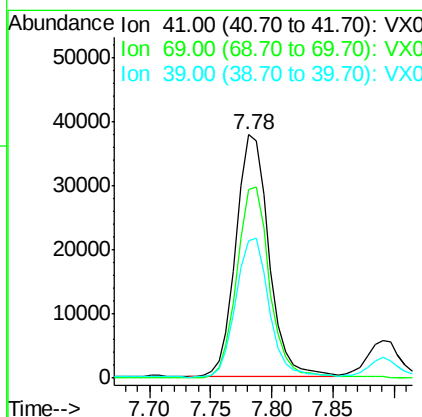
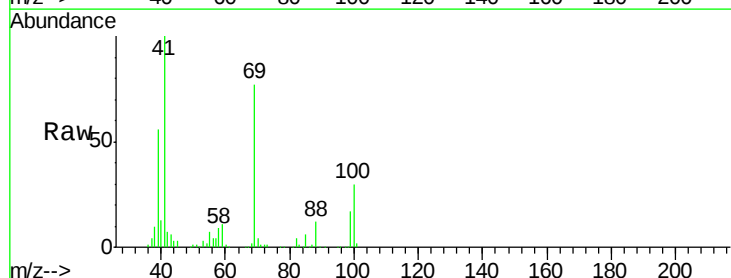
Manual Integrations
 APPROVED

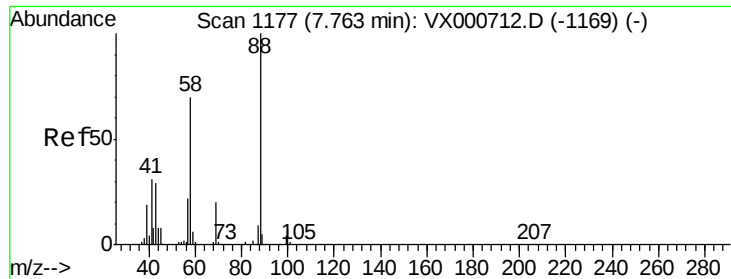
sam
 4/9/2018 2:03:14 PM



#48
 Methyl methacrylate
 Concen: 18.52 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion	41	Resp	71188
Ion Ratio	100	Lower	Upper
41	100		
69	78.0	62.0	93.0
39	57.8	47.0	70.4





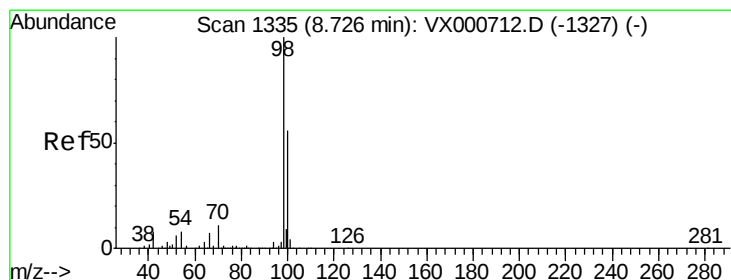
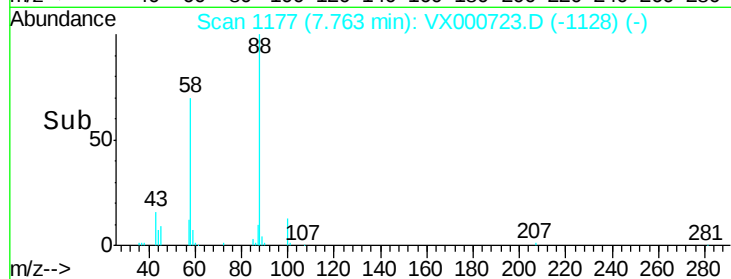
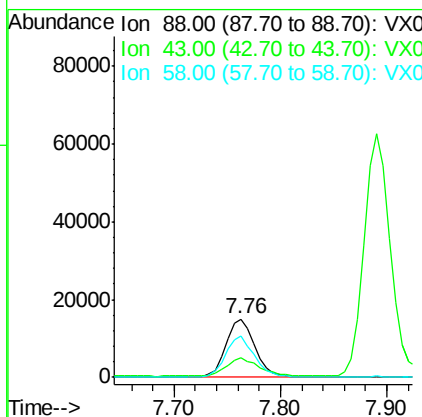
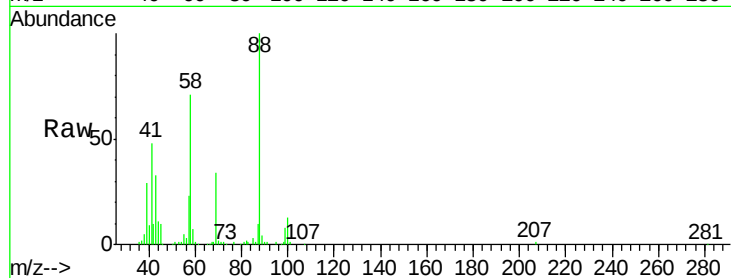
#49
1,4-Dioxane
Concen: 375.44 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.9	41.9
58	71.6	57.0	85.4

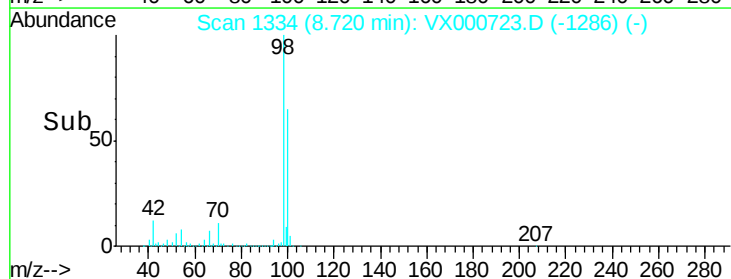
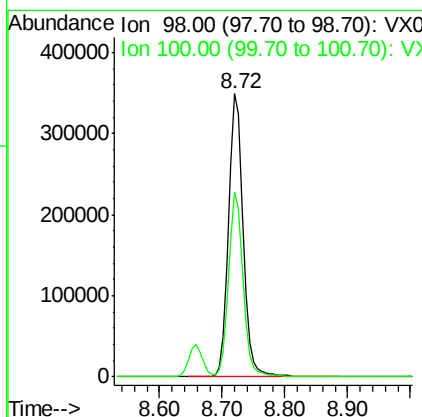
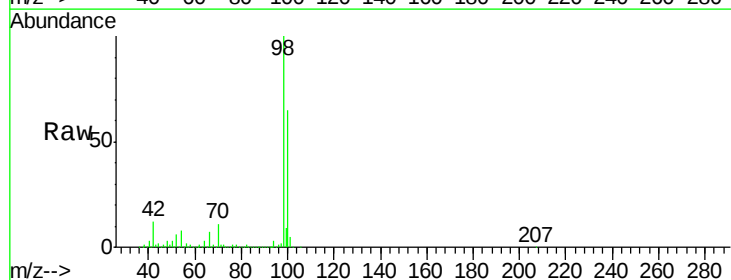
Manual Integrations
APPROVED

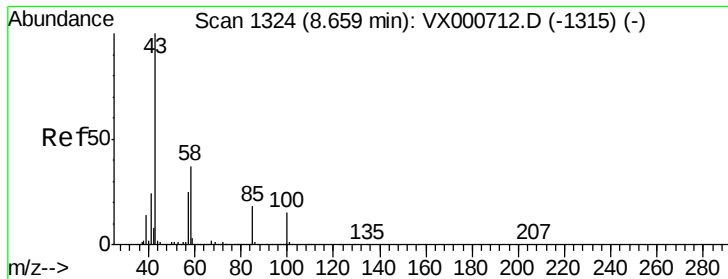
sam
4/9/2018 2:03:14 PM



#50
Toluene-d8
Concen: 48.62 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 91.77 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 43 Resp: 406289

Ion Ratio Lower Upper

43 100

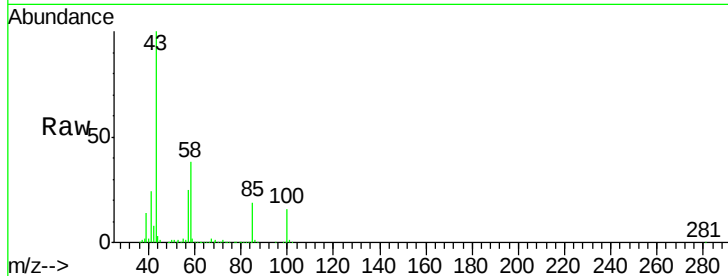
58 37.2 30.6 46.0

Manual Integrations

APPROVED

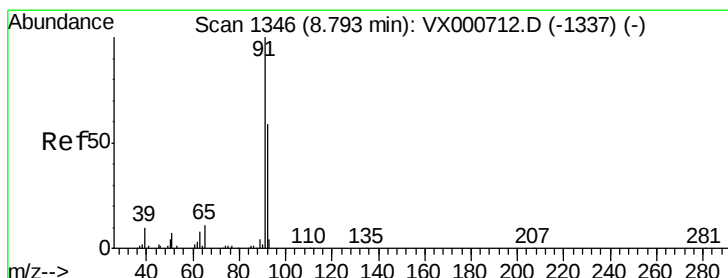
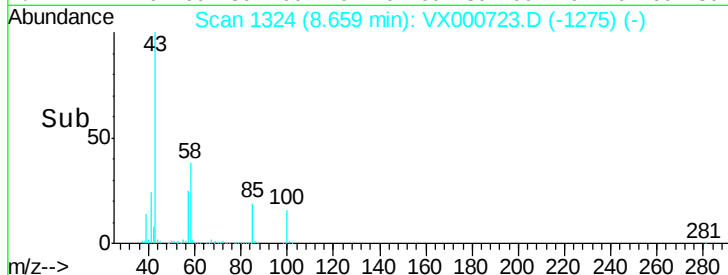
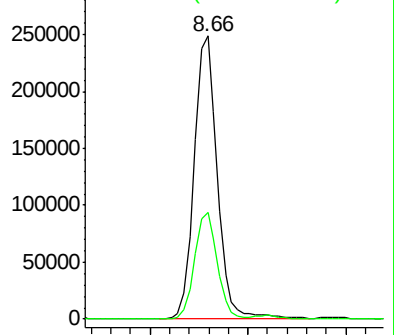
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.88 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000723.D

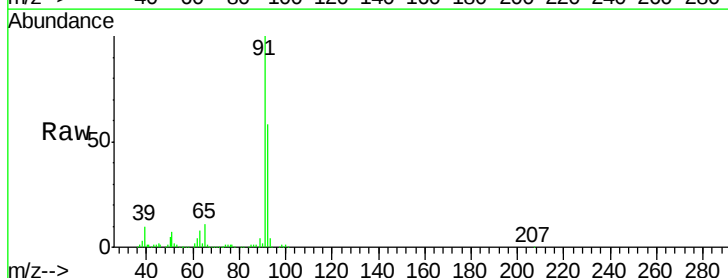
Acq: 08 Apr 2018 11:44

Tgt Ion: 92 Resp: 143966

Ion Ratio Lower Upper

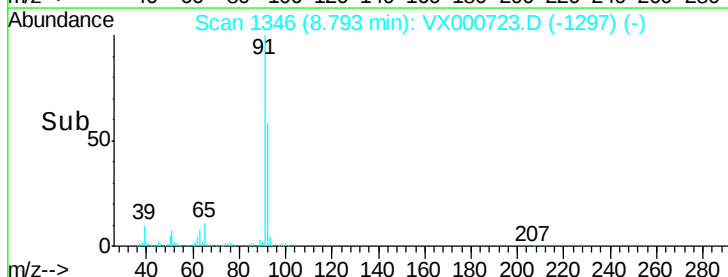
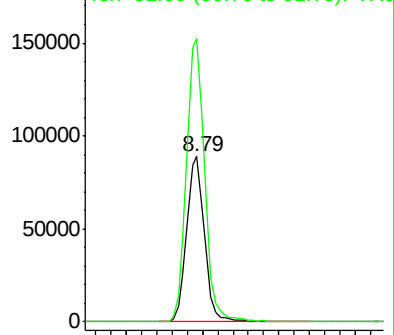
92 100

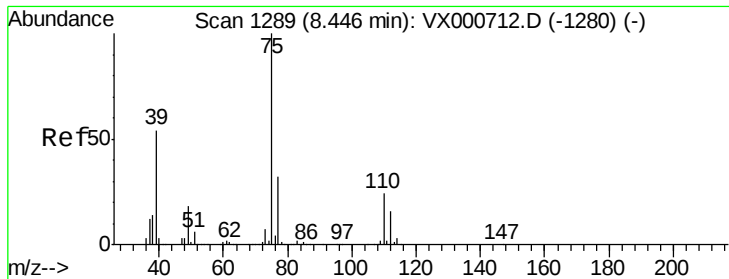
91 174.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.99 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 75 Resp: 99484

Ion Ratio Lower Upper

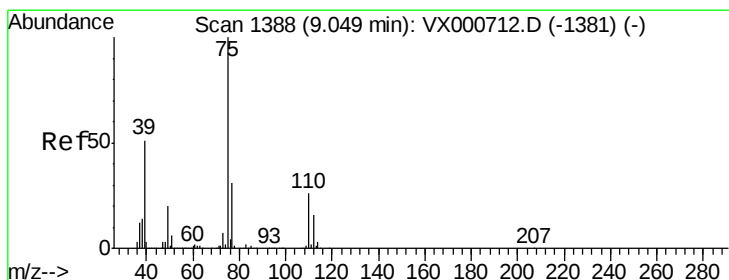
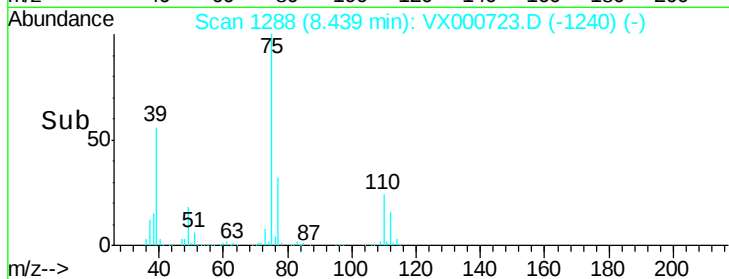
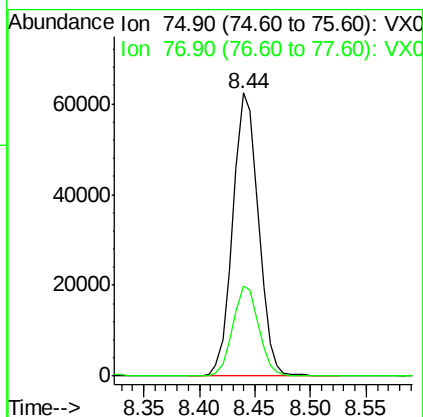
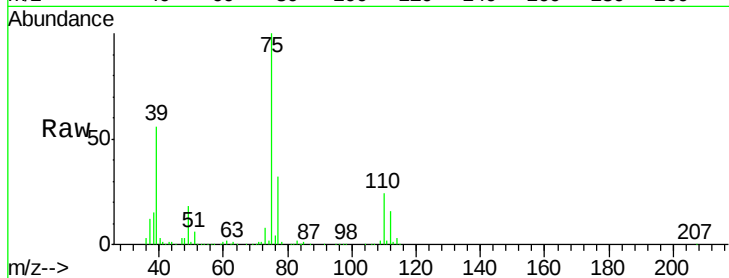
75 100

77 31.9 25.4 38.0

Manual Integrations
APPROVED

sam

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#54

cis-1,3-Dichloropropene

Concen: 18.96 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

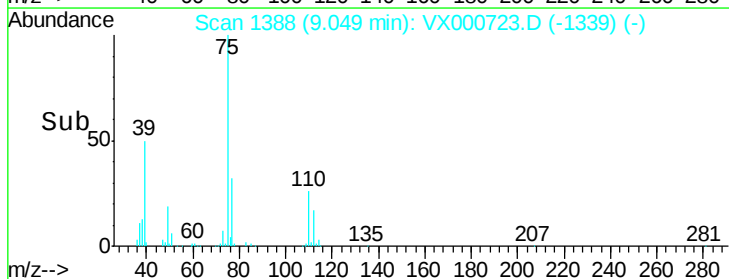
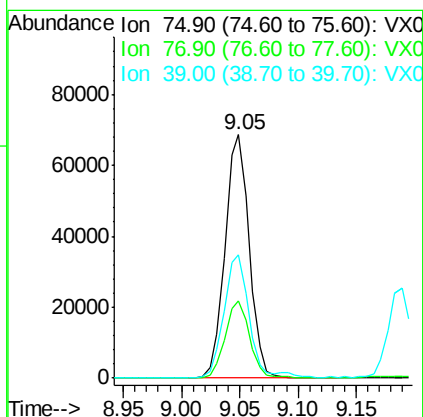
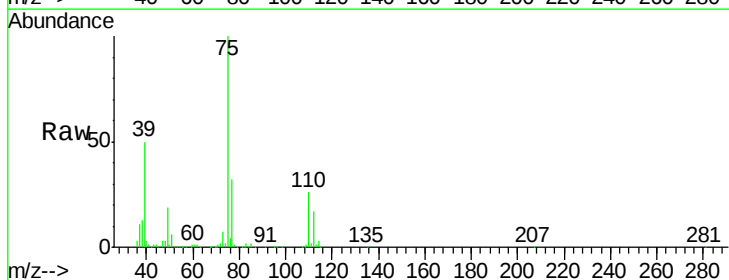
Tgt Ion: 75 Resp: 98635

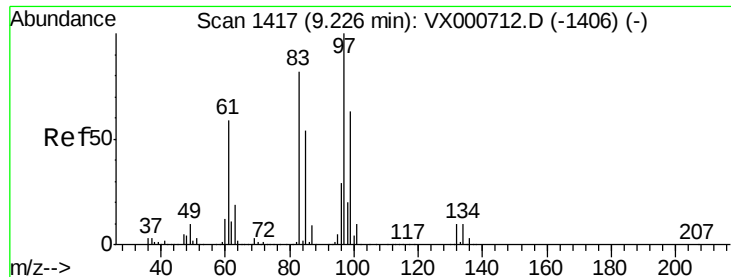
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 50.1 40.5 60.7





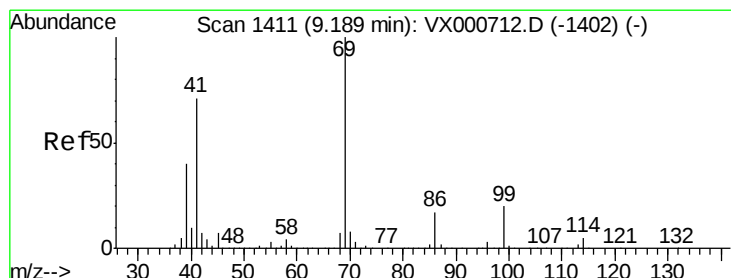
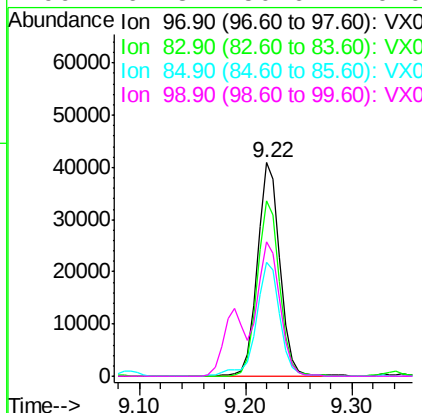
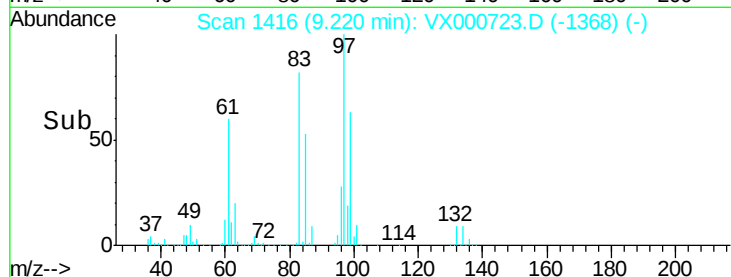
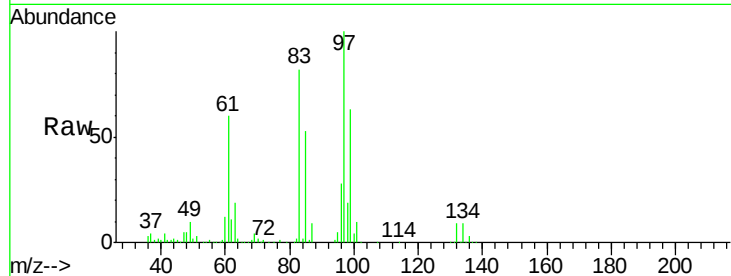
#55
 1,1,2-Trichloroethane
 Concen: 19.52 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion:	97	Resp:	60542
Ion	Ratio	Lower	Upper
97	100		
83	81.9	65.7	98.5
85	53.3	42.8	64.2
99	62.8	50.6	76.0

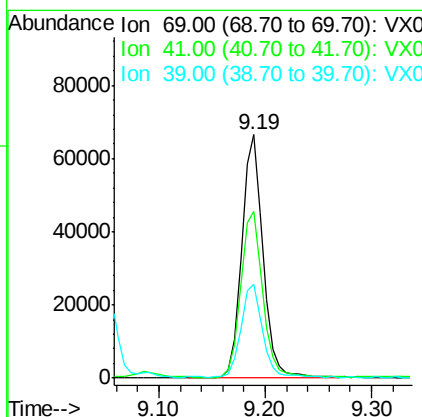
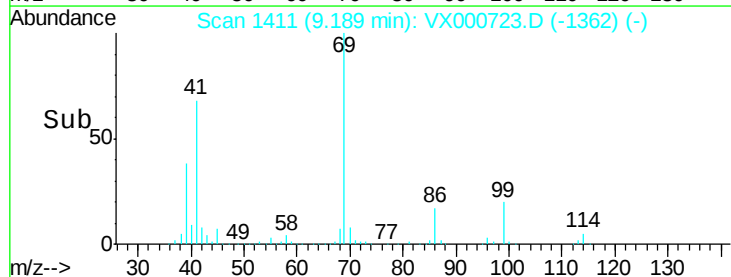
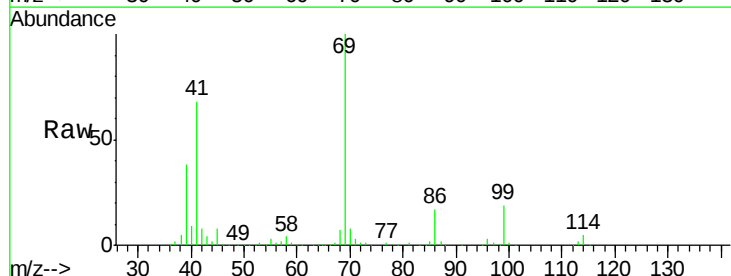
Manual Integrations
 APPROVED

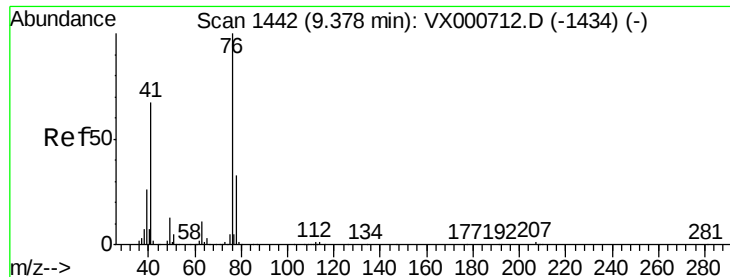
sam
 4/9/2018 2:03:14 PM



#56
 Ethyl methacrylate
 Concen: 18.79 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion:	69	Resp:	92899
Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.4	84.6
39	38.8	31.4	47.2





#57

1,3-Dichloropropane

Concen: 18.96 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 76 Resp: 96166

Ion Ratio Lower Upper

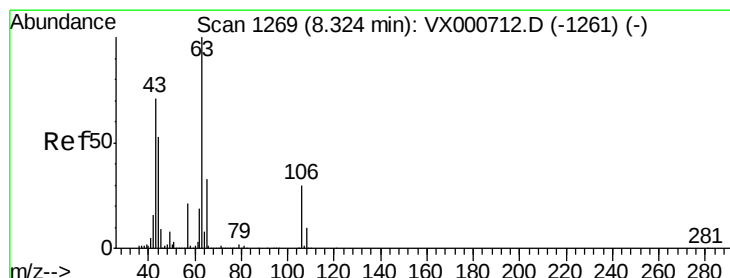
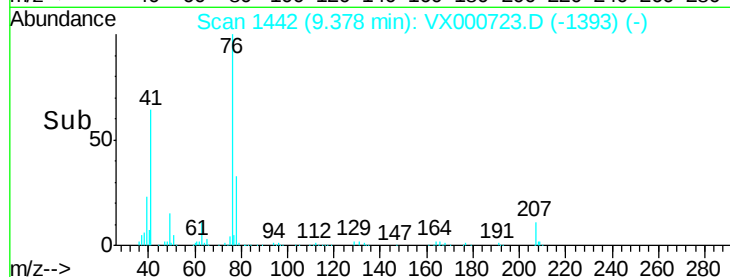
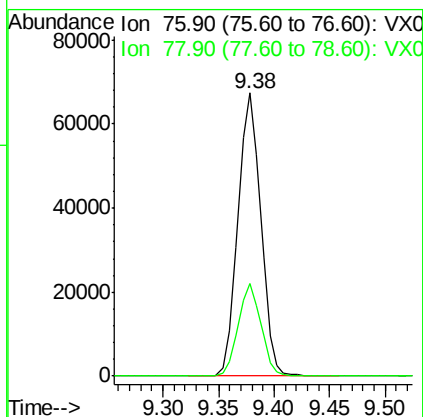
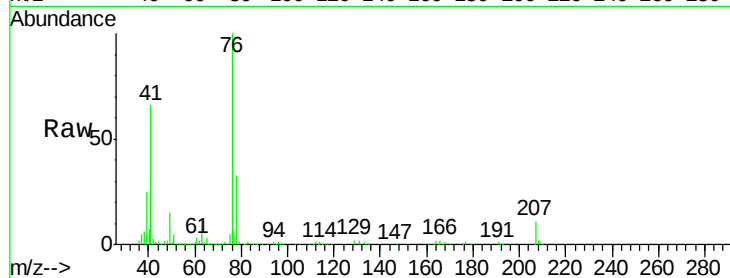
76 100

78 32.6 26.2 39.2

Manual Integrations
APPROVED

sam

4/9/2018 2:03:14 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.14 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000723.D

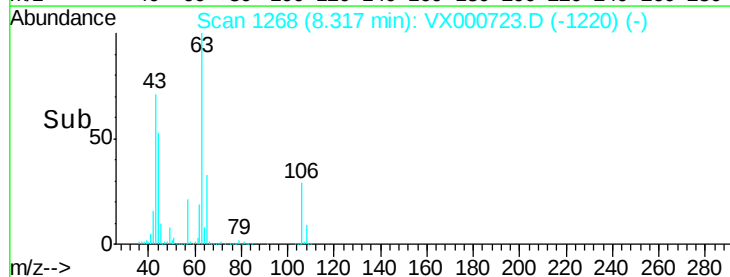
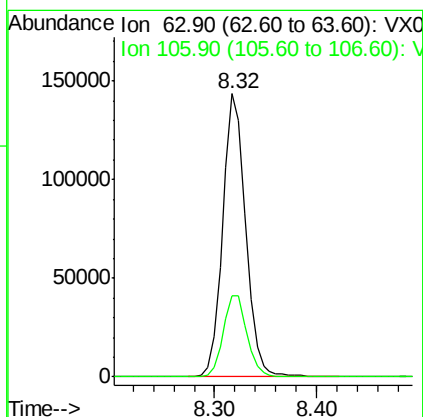
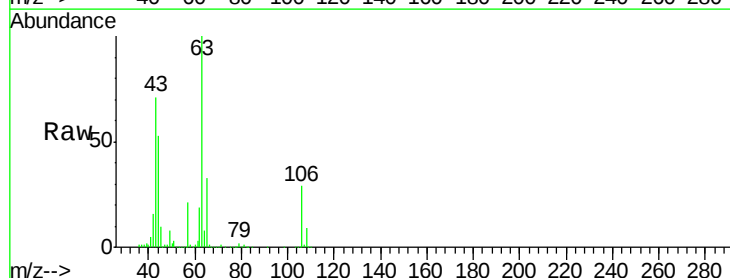
Acq: 08 Apr 2018 11:44

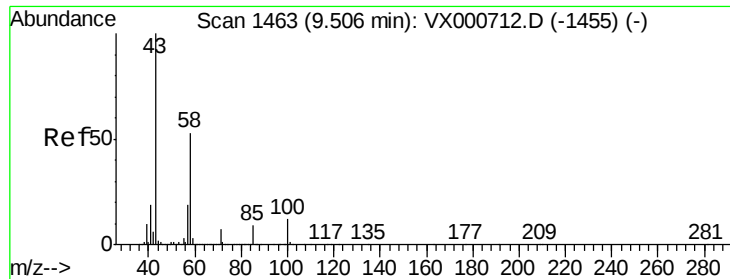
Tgt Ion: 63 Resp: 222644

Ion Ratio Lower Upper

63 100

106 30.1 24.0 36.0





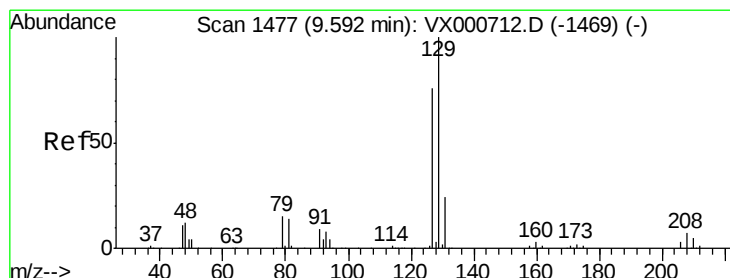
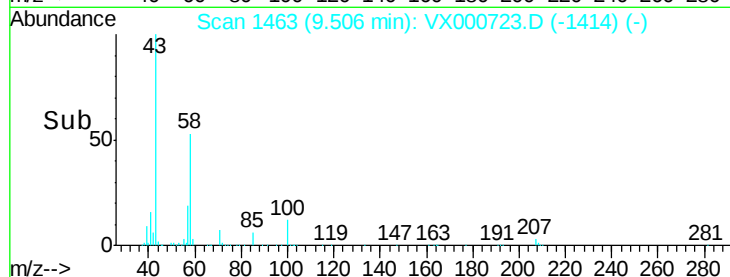
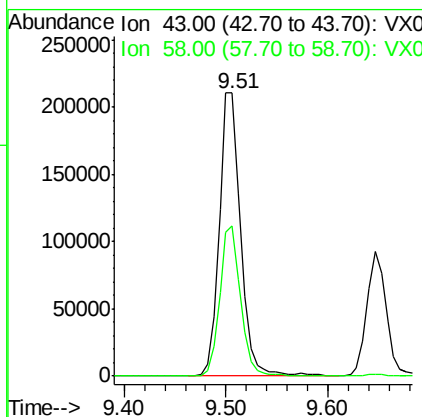
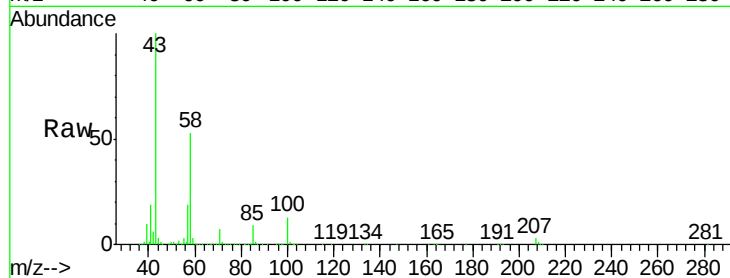
#59
2-Hexanone
Concen: 91.25 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion: 43 Resp: 308358
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.8

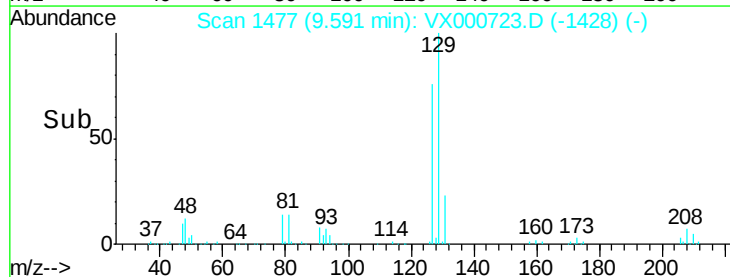
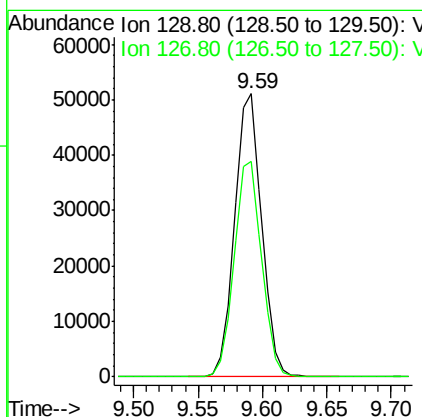
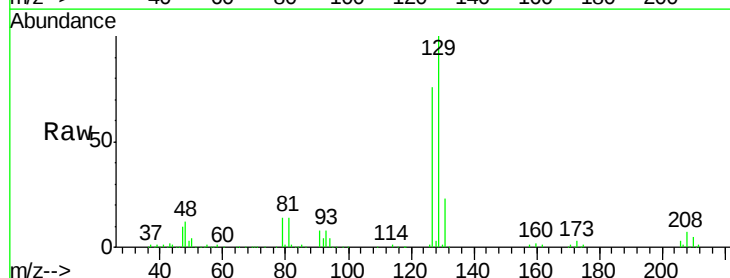
Manual Integrations
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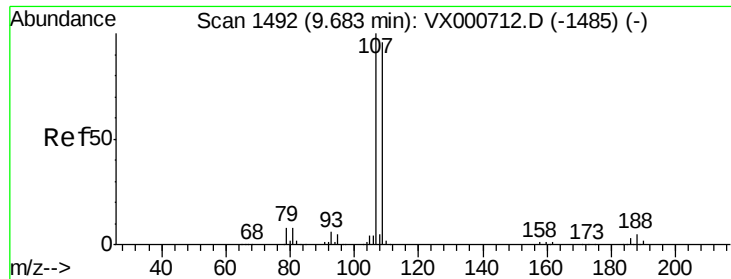
sam
4/9/2018 2:03:14 PM



#60
Dibromochloromethane
Concen: 19.27 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion: 129 Resp: 74523
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 18.77 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion:107 Resp: 62493

Ion Ratio Lower Upper

107 100

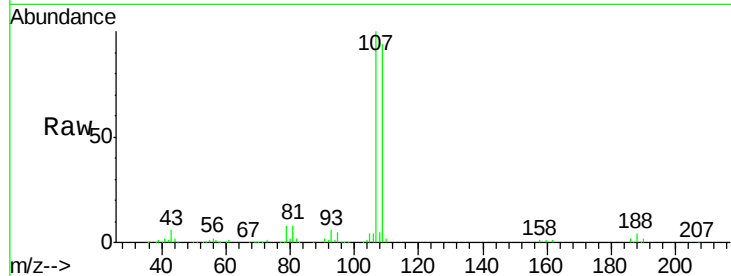
109 95.2 76.6 115.0

Manual Integrations

APPROVED

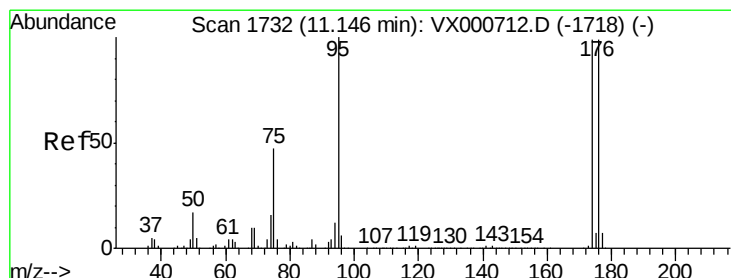
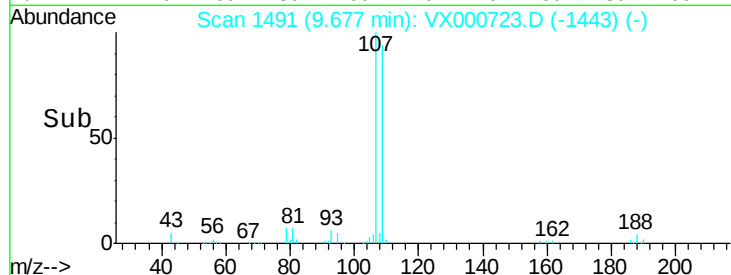
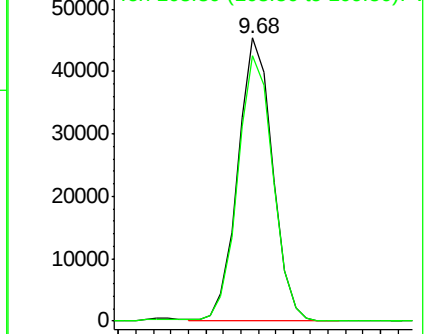
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.75 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

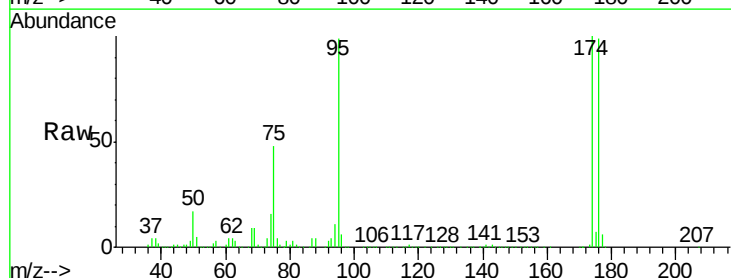
Tgt Ion: 95 Resp: 230635

Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.6

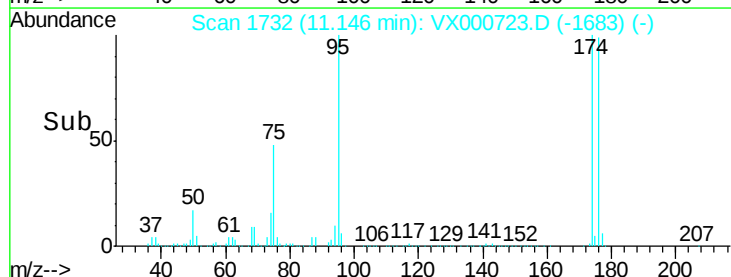
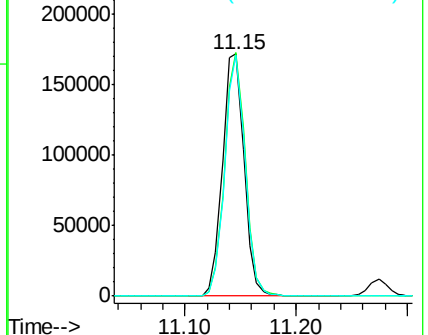
176 93.8 0.0 187.0

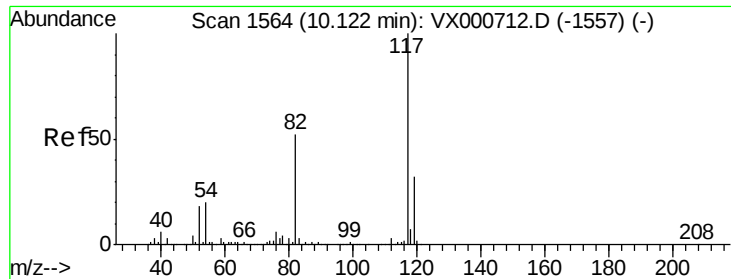


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





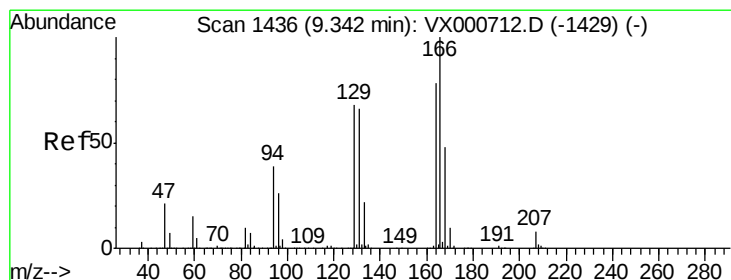
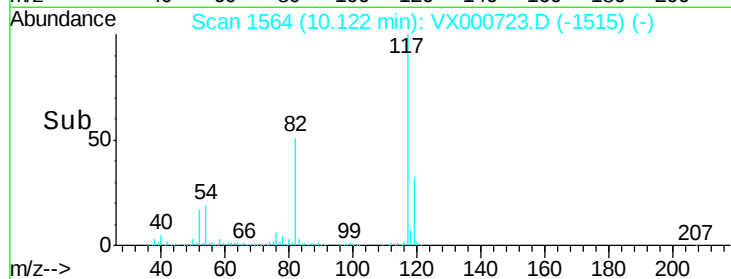
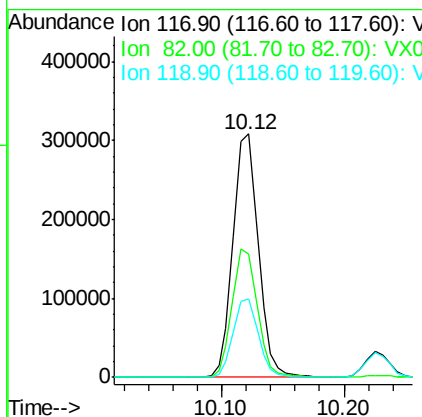
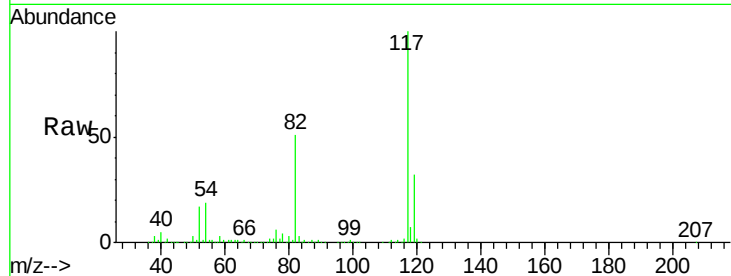
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.9	62.9
119	32.5	25.8	38.8

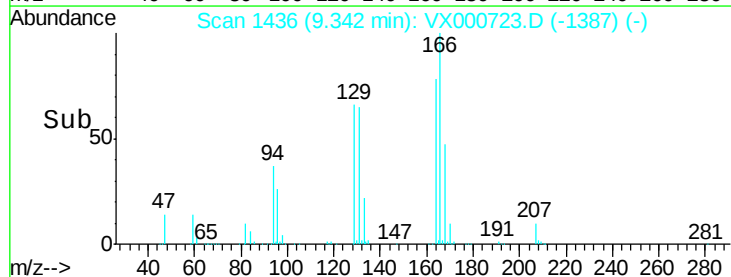
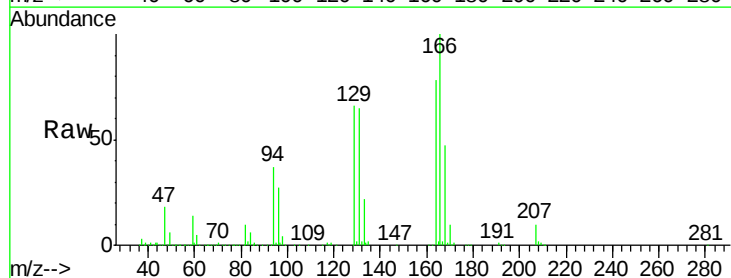
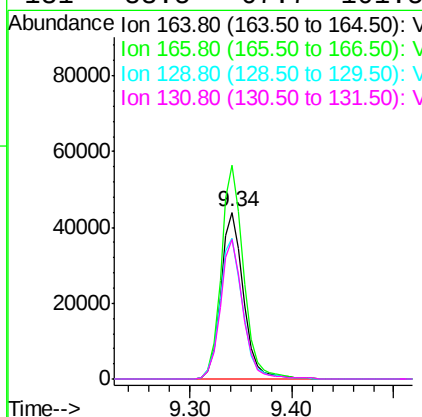
Manual Integrations
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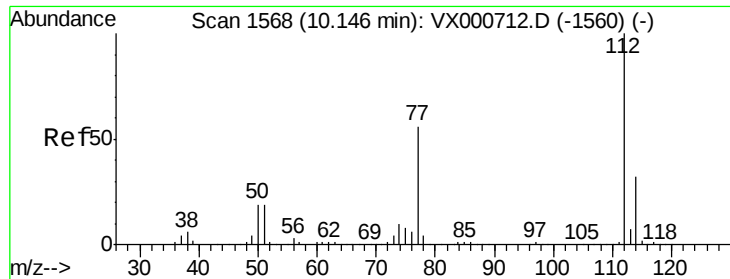
sam
4/9/2018 2:03:14 PM



#64
Tetrachloroethene
Concen: 19.52 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.4	153.6
129	85.0	69.3	103.9
131	83.5	67.7	101.5





#65

Chlorobenzene

Concen: 18.99 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion:112 Resp: 173170

Ion Ratio Lower Upper

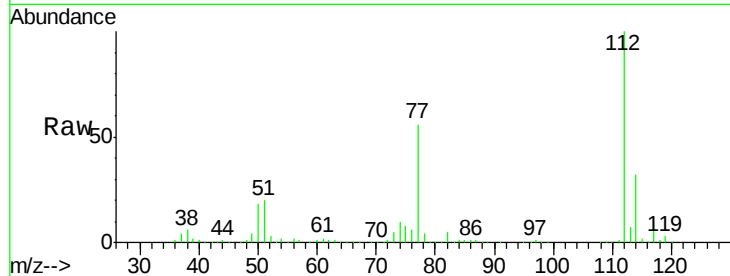
112 100

114 31.7 25.8 38.6

Manual Integrations
APPROVED

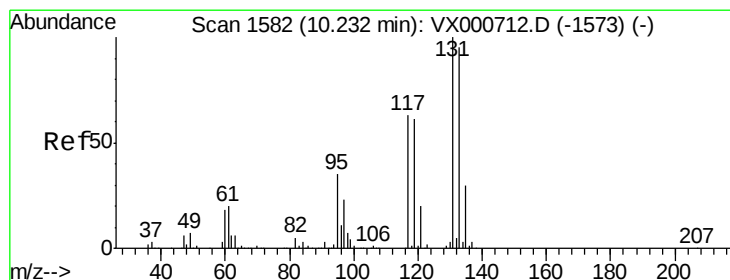
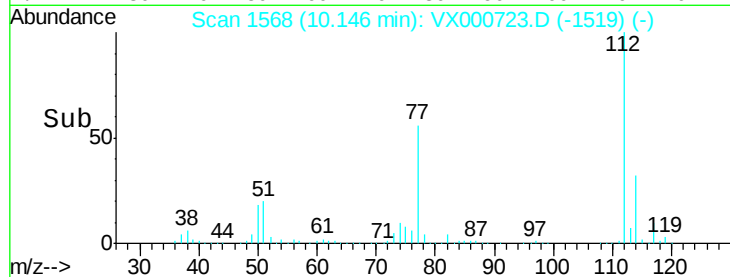
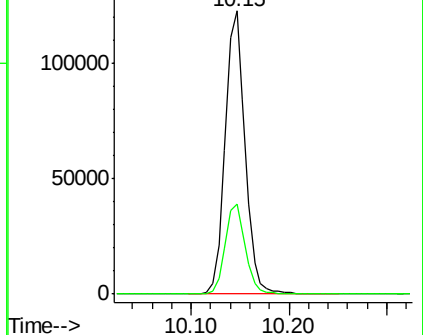
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

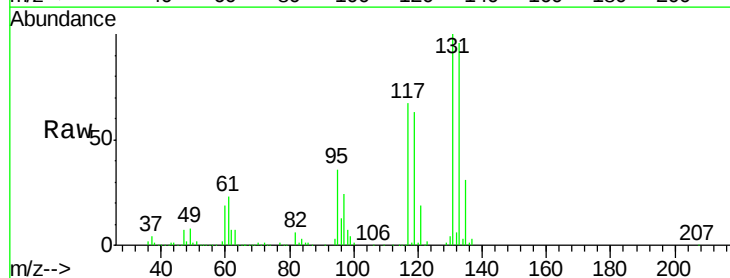
Tgt Ion:131 Resp: 68212

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

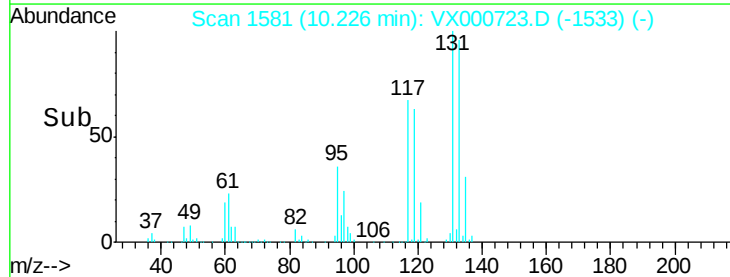
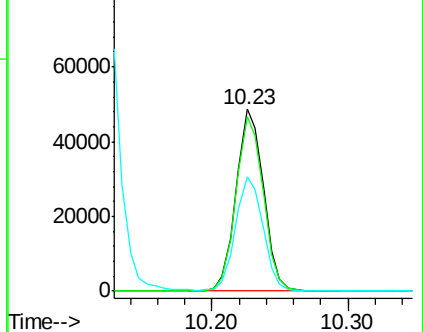
119 63.4 31.5 94.5

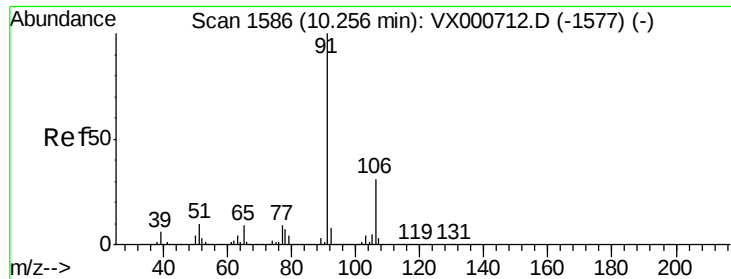


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.14 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 91 Resp: 292795

Ion Ratio Lower Upper

91 100

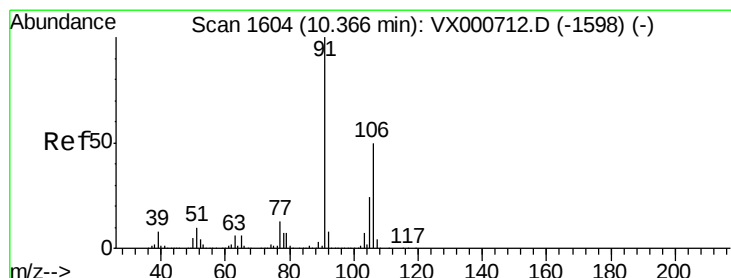
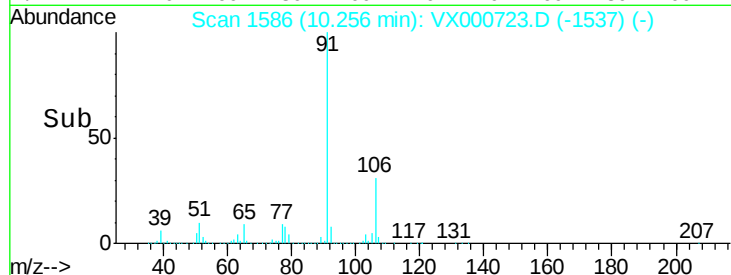
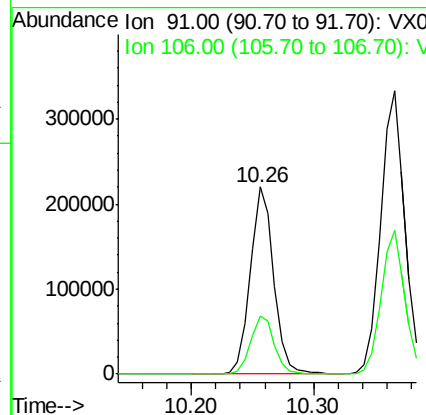
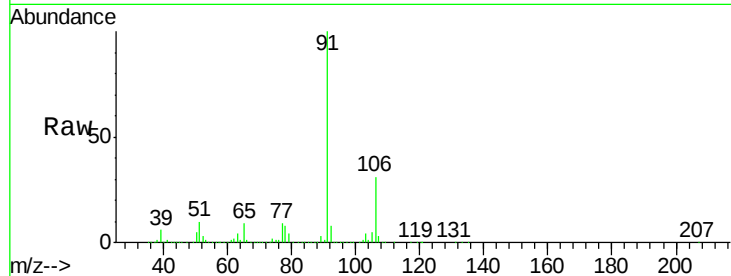
106 31.1 25.1 37.7

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 38.75 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000723.D

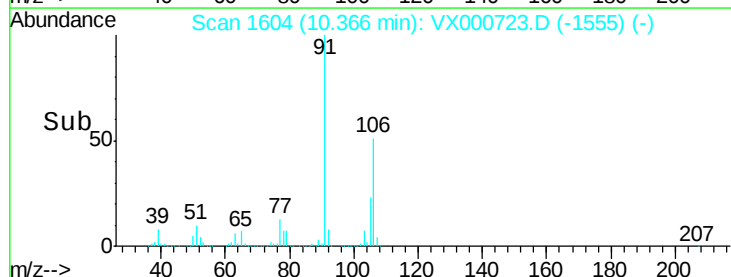
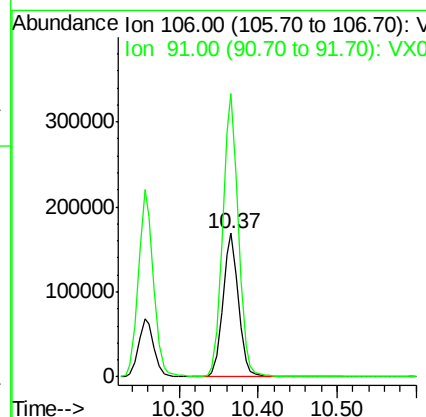
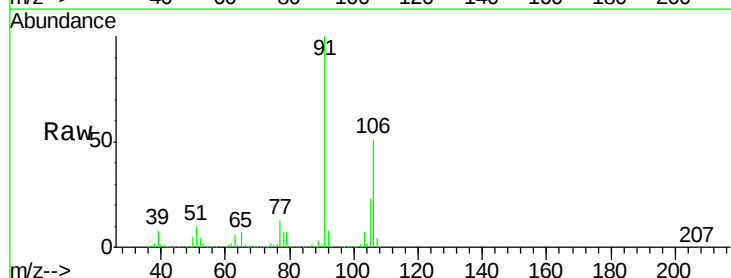
Acq: 08 Apr 2018 11:44

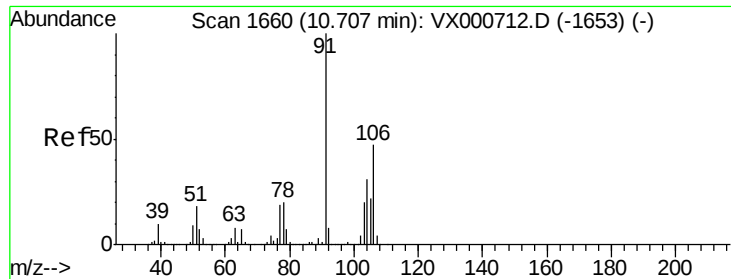
Tgt Ion: 106 Resp: 231903

Ion Ratio Lower Upper

106 100

91 198.7 159.7 239.5





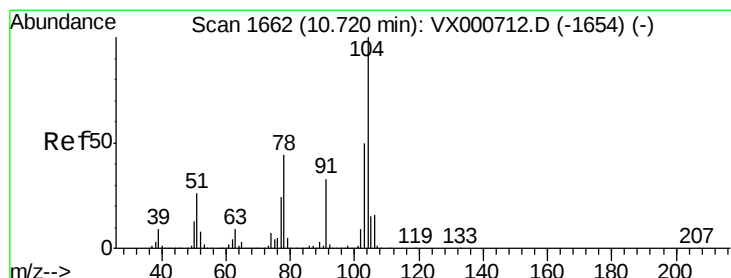
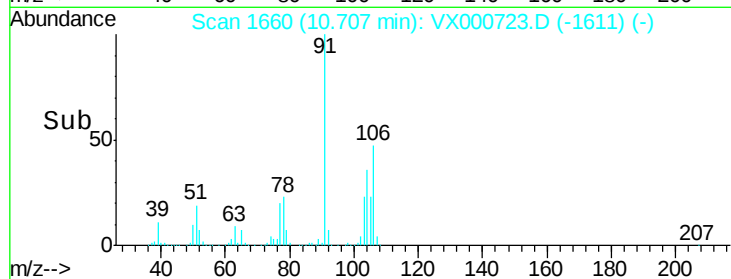
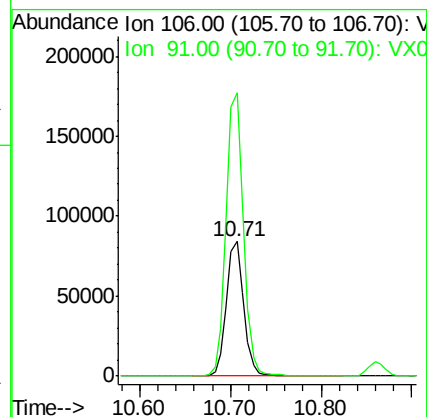
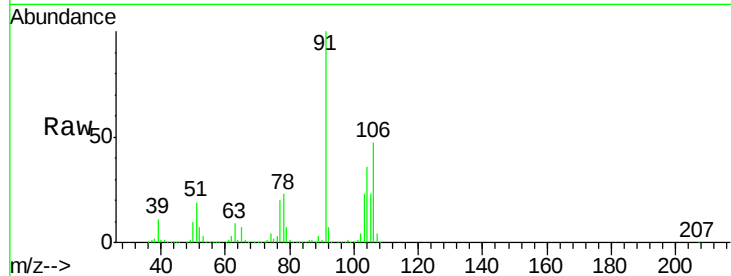
#69
o-Xylene
Concen: 19.15 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	106.1	318.3

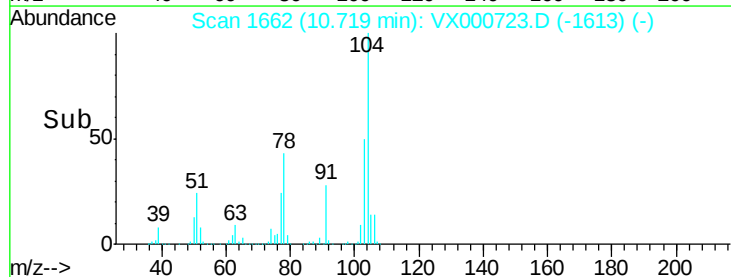
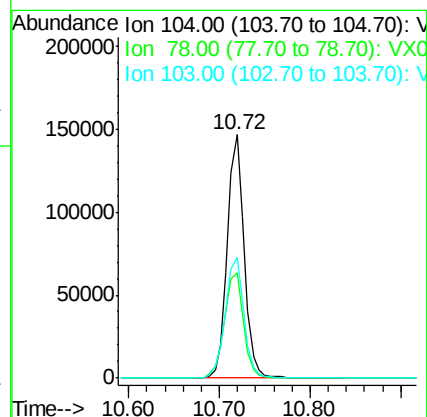
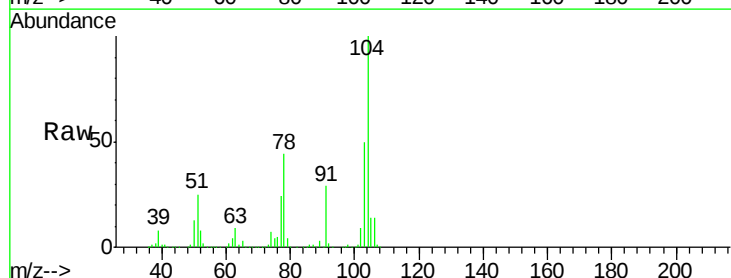
Manual Integrations
APPROVED

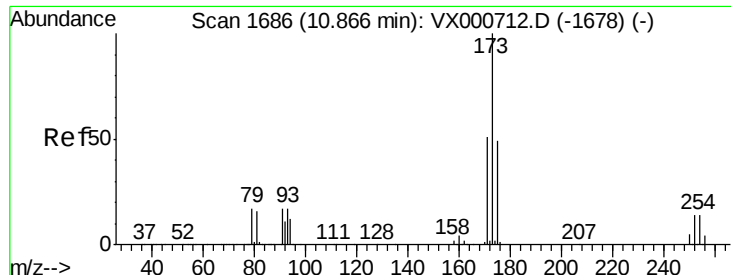
sam
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#70
Styrene
Concen: 19.29 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.8	59.6
103	55.0	44.1	66.1





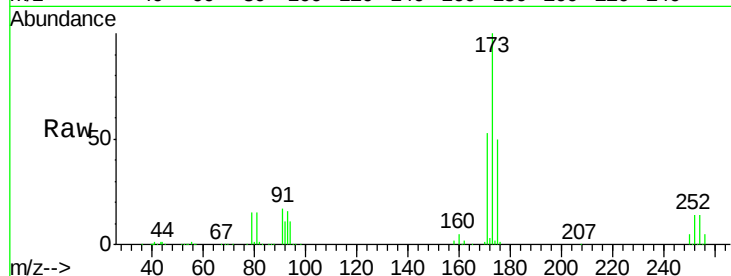
#71
Bromoform
Concen: 18.92 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.2	0.1	0.1#

Manual Integrations
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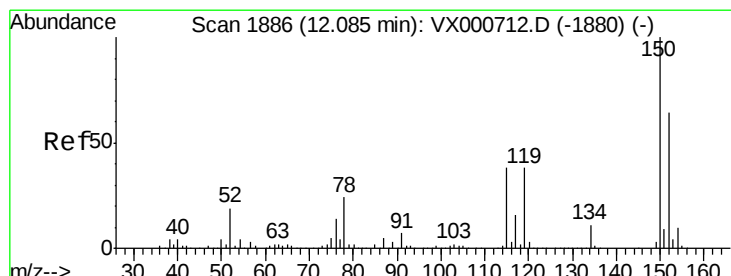
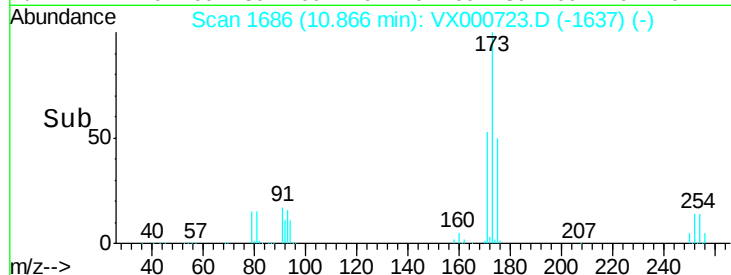
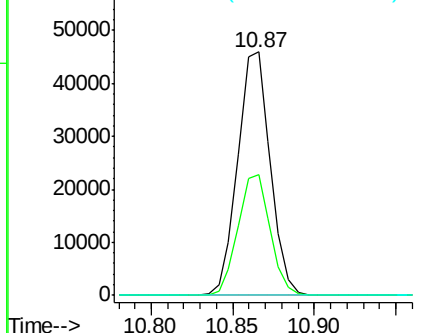


Abundance

Ion 172.70 (172.40 to 173.40): V

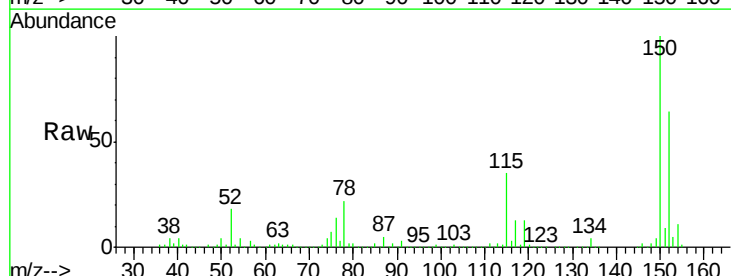
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	37.7	113.1
150	162.0	0.0	345.0

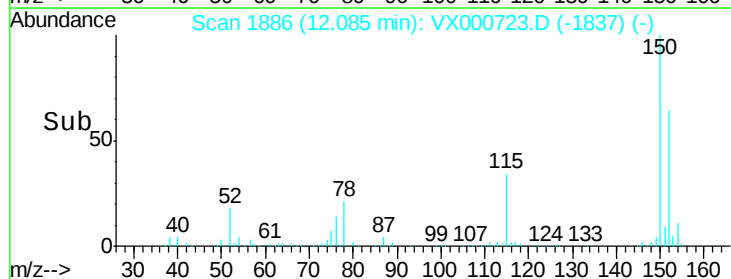
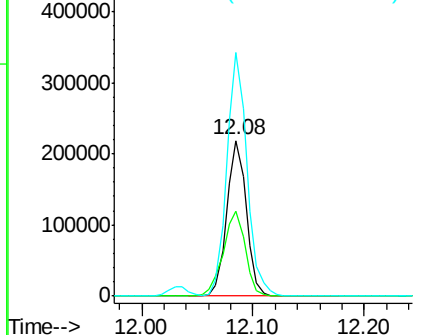


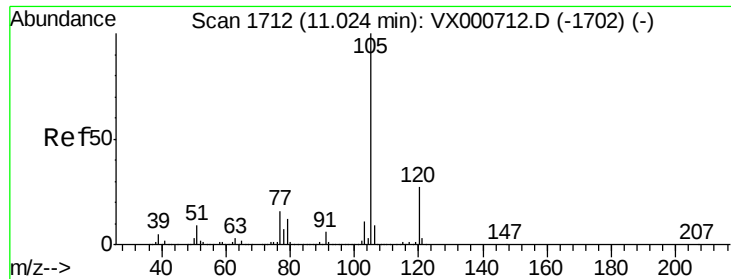
Abundance

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: 19.43 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 105 Resp: 306984

Ion Ratio Lower Upper

105 100

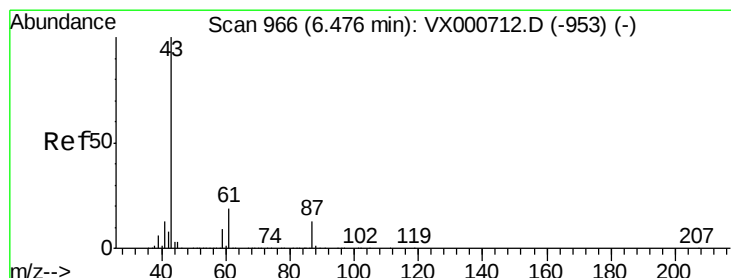
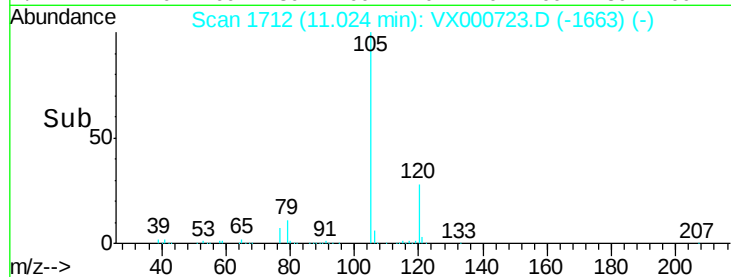
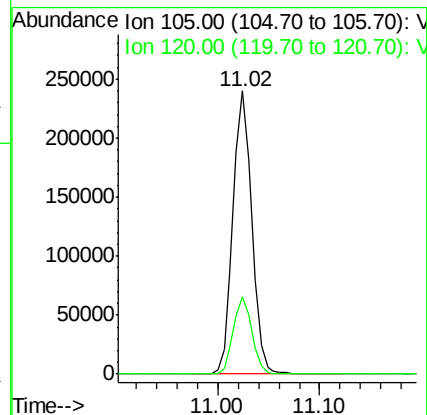
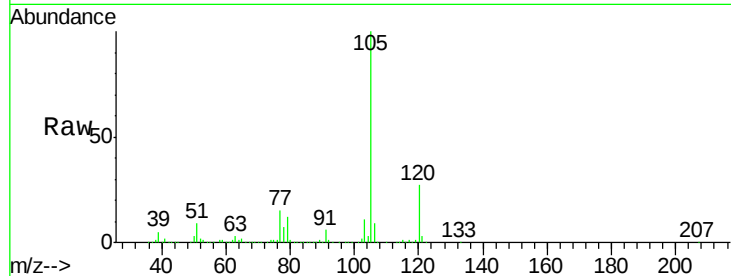
120 27.1 13.7 41.0

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 17.92 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Tgt Ion: 43 Resp: 137784

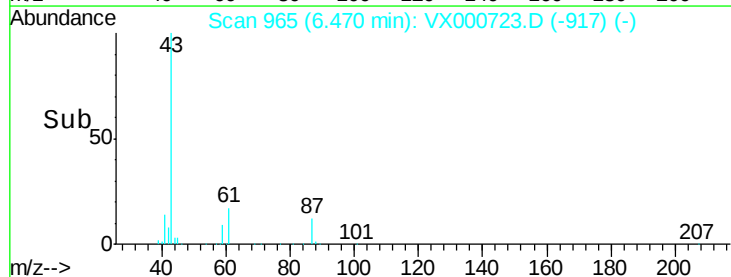
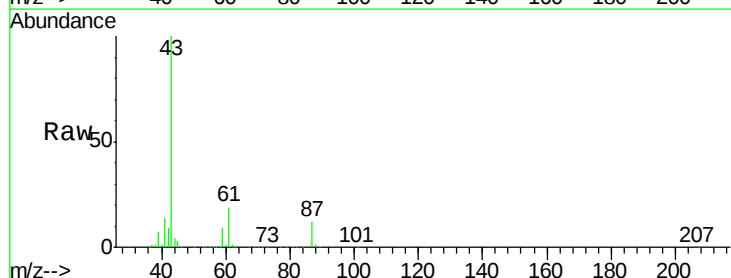
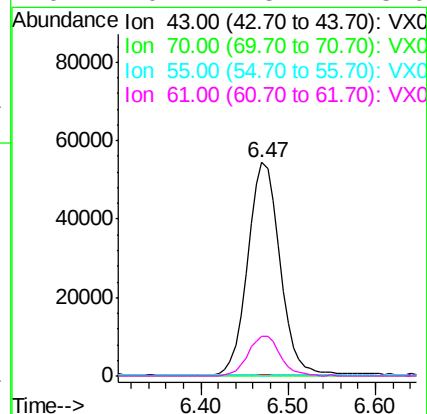
Ion Ratio Lower Upper

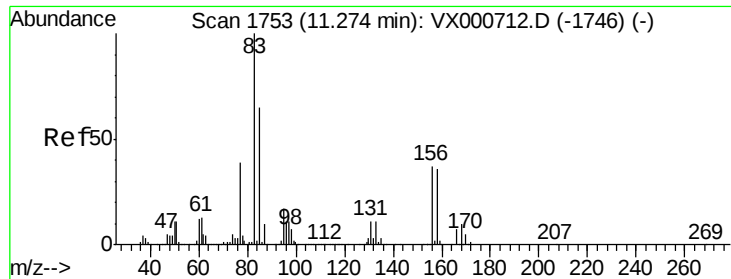
43 100

70 0.1 0.0 0.0#

55 0.1 0.0 0.0#

61 19.1 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.61 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 83 Resp: 87356

Ion Ratio Lower Upper

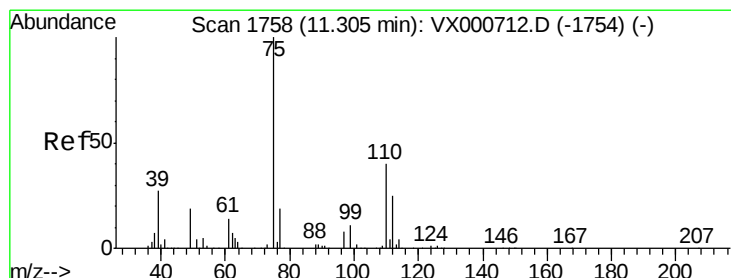
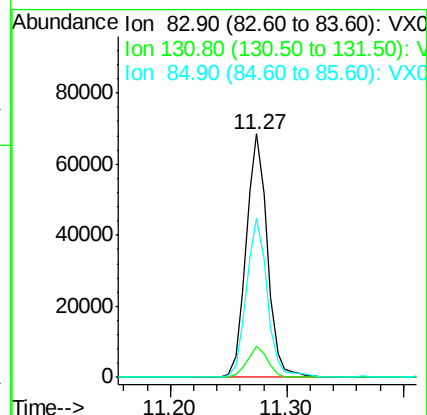
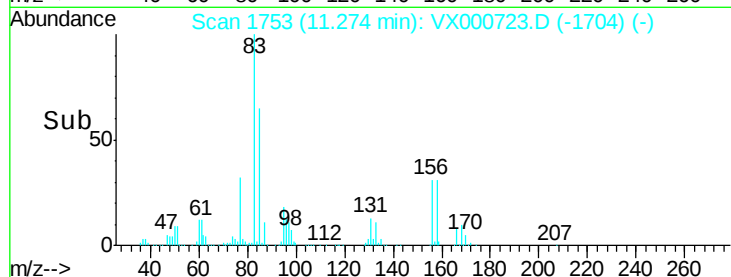
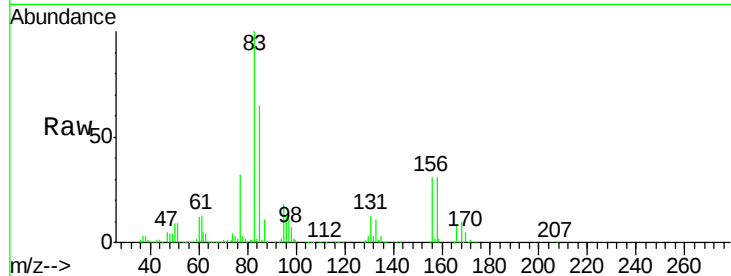
83 100

131 12.1 5.9 17.7

85 64.4 32.6 98.0

Manual Integrations
APPROVED

sam
4/9/2018 2:03:14 PM



#76

1,2,3-Trichloropropane

Concen: 19.12 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000723.D

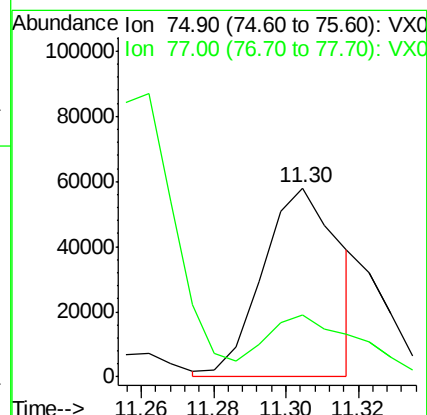
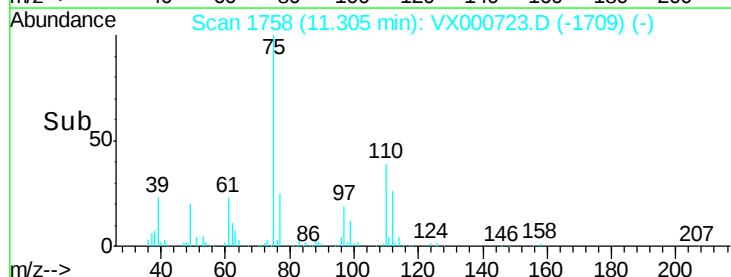
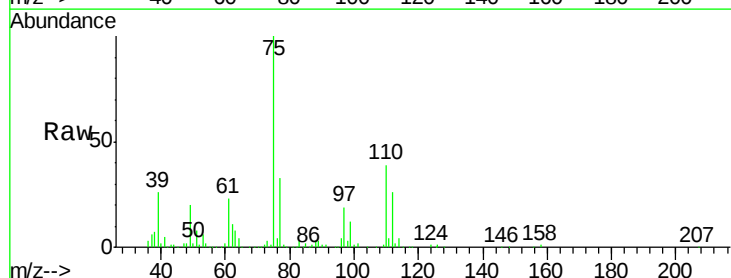
Acq: 08 Apr 2018 11:44

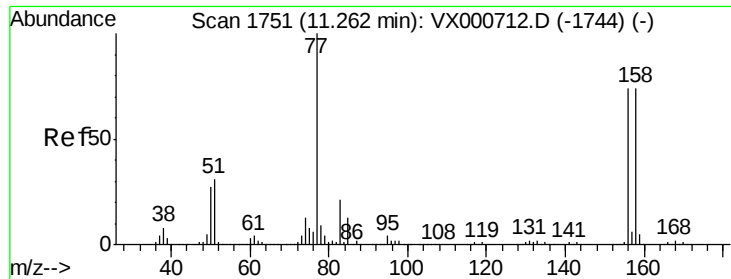
Tgt Ion: 75 Resp: 85954

Ion Ratio Lower Upper

75 100

77 39.4 21.3 63.7





#77

Bromobenzene

Concen: 19.31 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

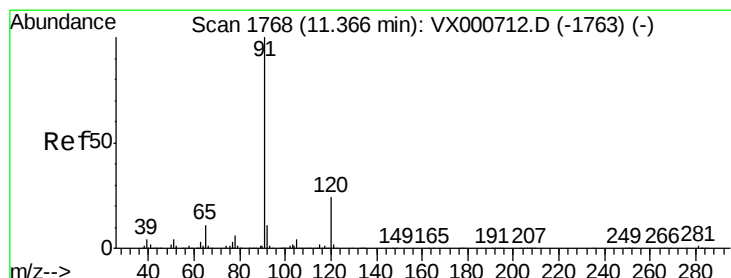
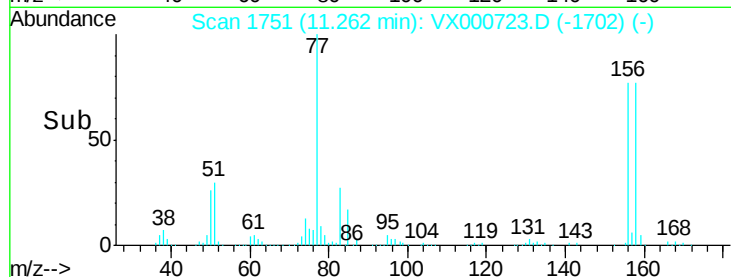
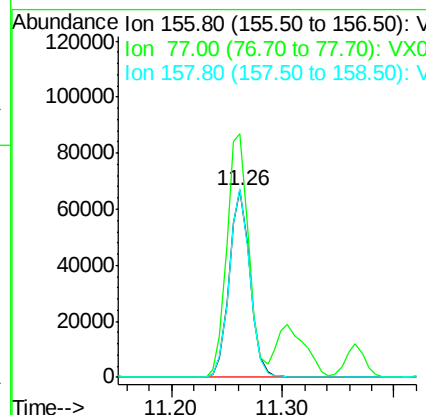
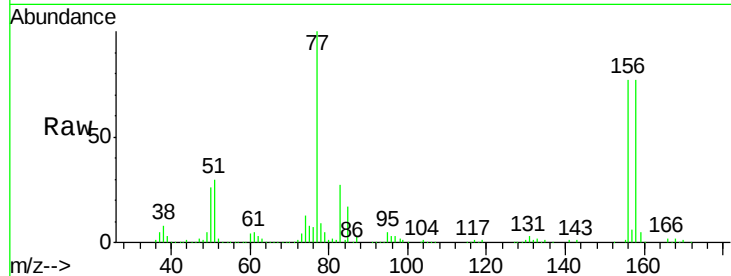
ClientSampleId :

VX0408WBS01

Tot Ion:	156	Resp:	86517
Ion Ratio	Lower	Upper	
156	100		
77	136.9	68.3	205.1
158	99.4	49.1	147.3

Manual Integrations
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sam
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#78

n-propylbenzene

Concen: 19.47 ug/l

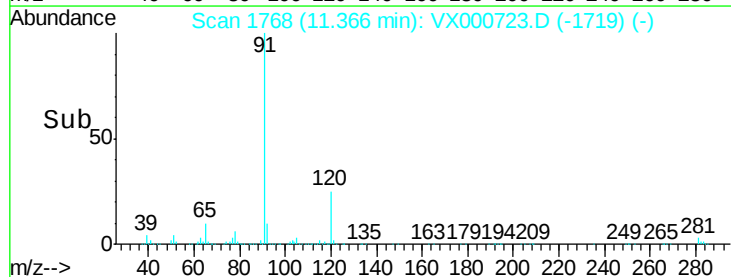
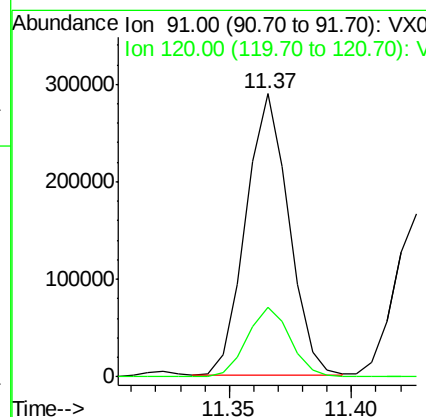
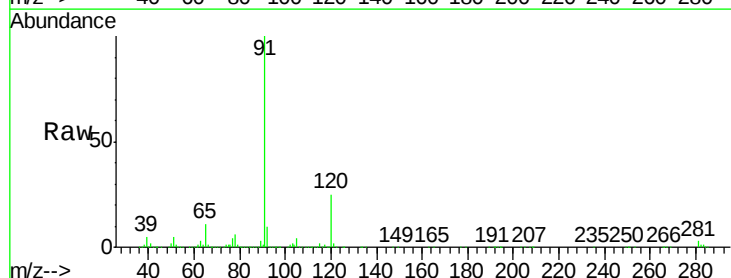
RT: 11.37 min Scan# 1768

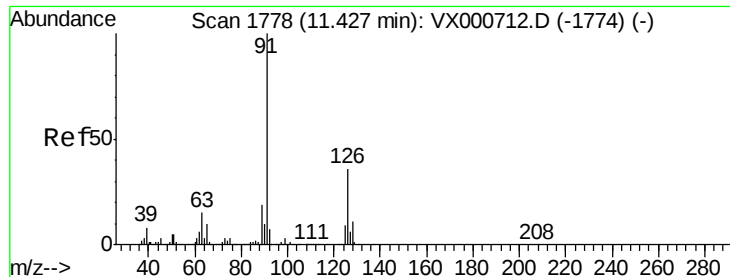
Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Tgt Ion:	91	Resp:	352791
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.5	37.5





#79

2-Chlorotoluene

Concen: 19.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 91 Resp: 207737

Ion Ratio Lower Upper

91 100

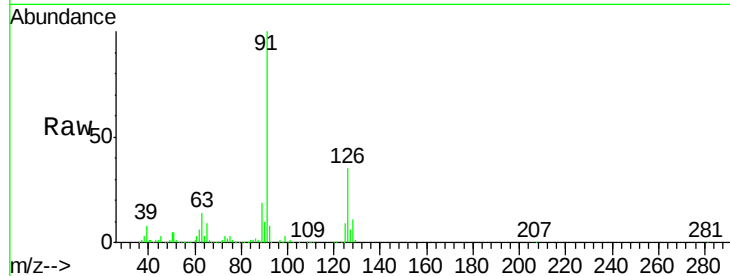
126 36.2 18.3 54.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX000712.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000712.D (-1774) (-)

300000

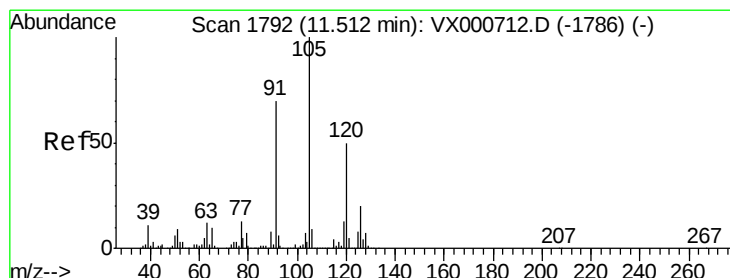
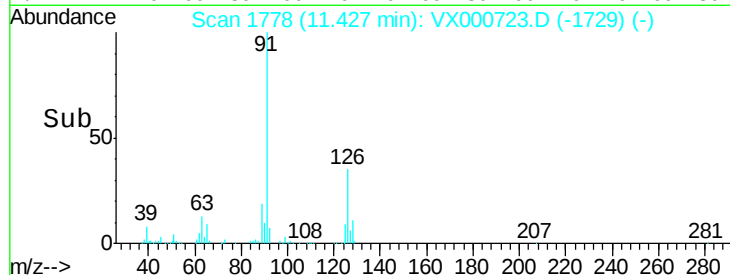
200000

100000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.24 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000723.D

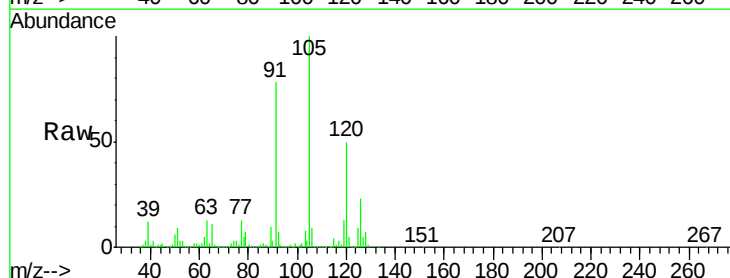
Acq: 08 Apr 2018 11:44

Tgt Ion: 105 Resp: 263267

Ion Ratio Lower Upper

105 100

120 49.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX000712.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000712.D (-1786) (-)

250000

200000

150000

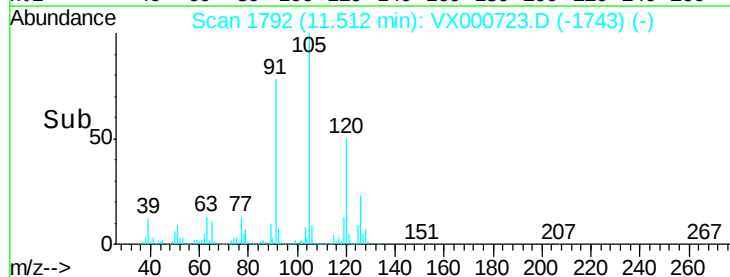
100000

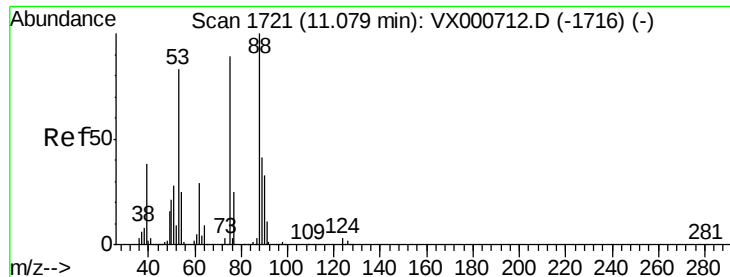
50000

0

11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.47 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 75 Resp: 30162

Ion Ratio Lower Upper

75 100

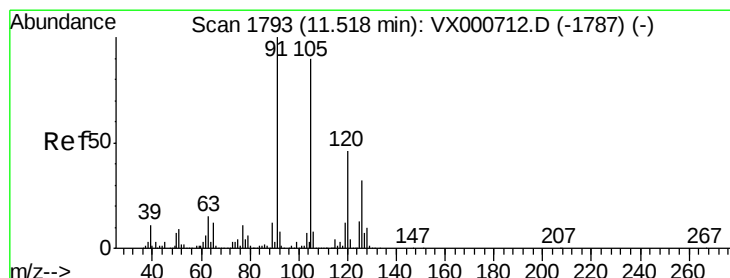
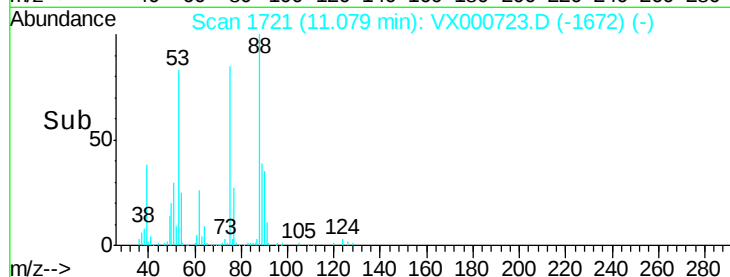
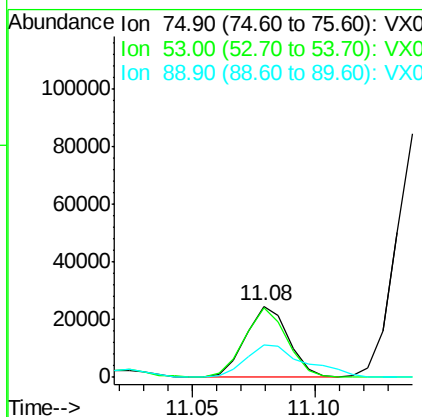
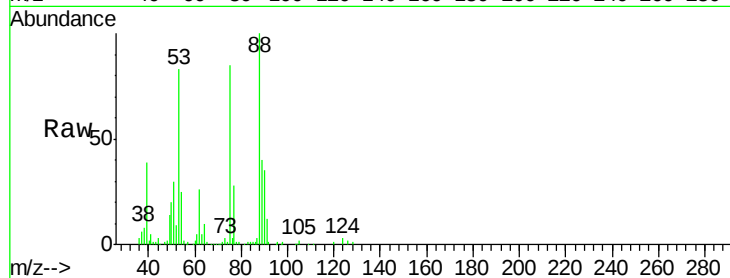
53 96.6 74.2 111.2

89 63.1 46.6 69.8

Manual Integrations
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sam

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#82

4-Chlorotoluene

Concen: 19.30 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000723.D

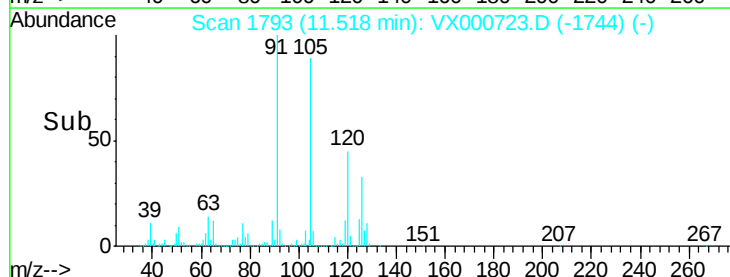
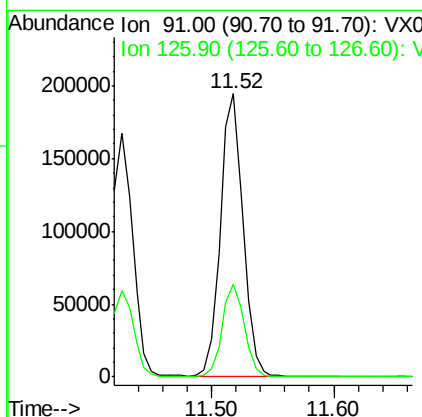
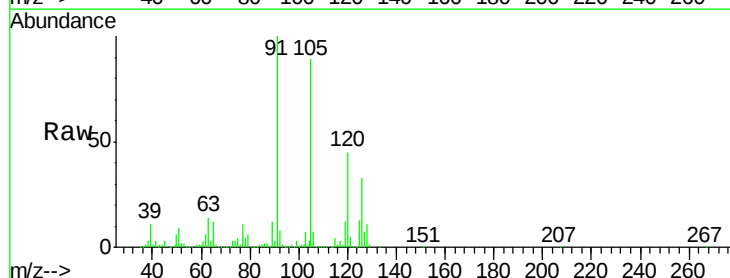
Acq: 08 Apr 2018 11:44

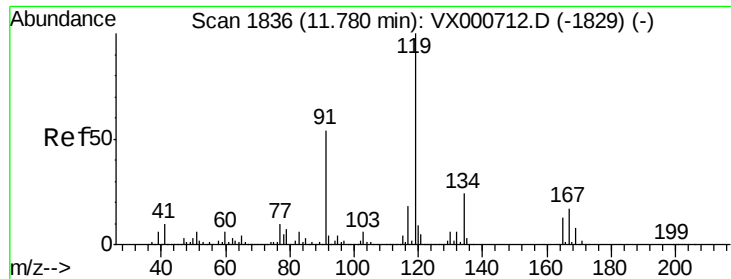
Tgt Ion: 91 Resp: 249971

Ion Ratio Lower Upper

91 100

126 32.1 16.0 48.0





#83

tert-Butylbenzene

Concen: 19.68 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

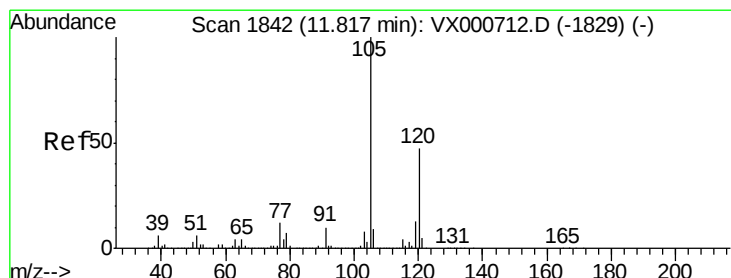
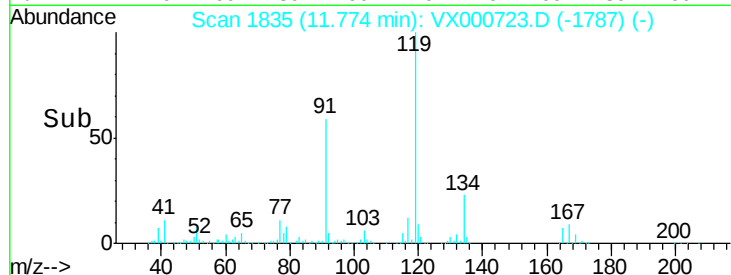
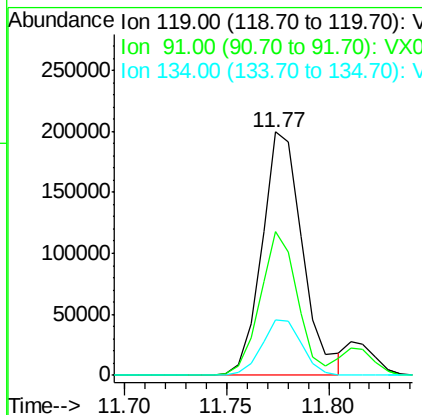
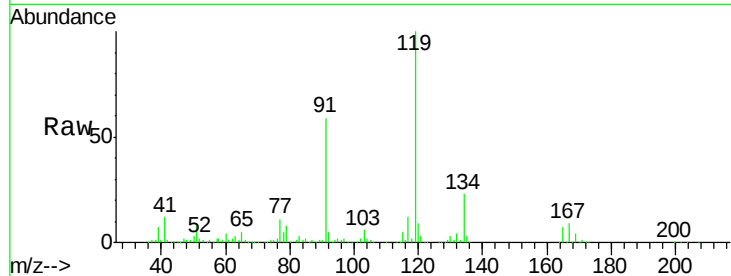
ClientSampled :

VX0408WBS01

Tot Ion:	119	Resp:	276080
Ion Ratio	Lower	Upper	
119	100		
91	54.2	27.3	81.8
134	22.6	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.23 ug/l

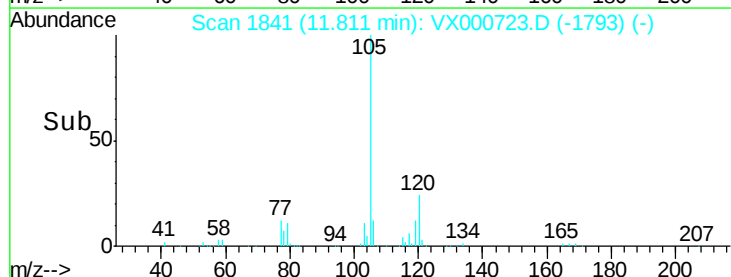
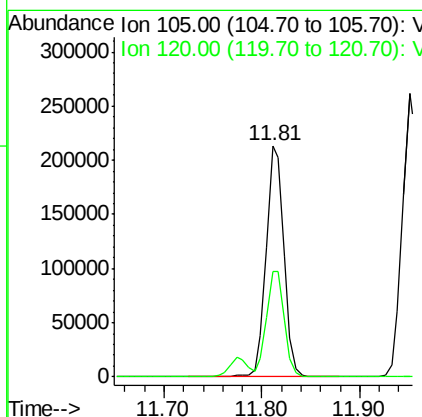
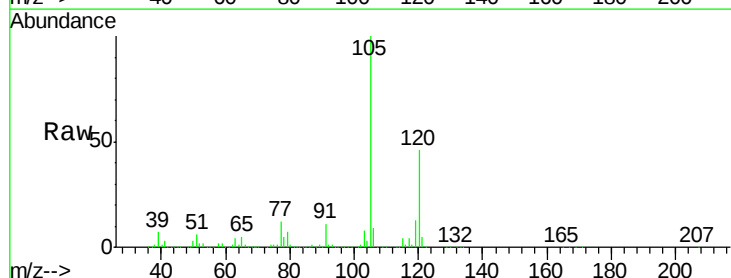
RT: 11.81 min Scan# 1841

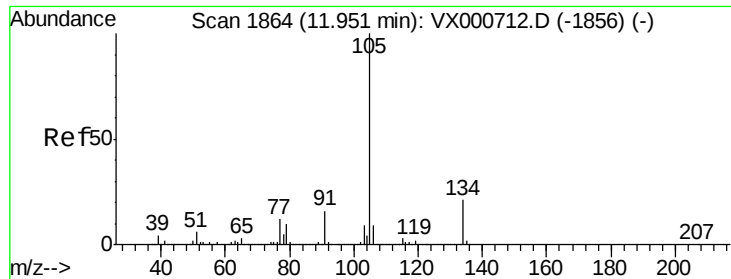
Delta R.T. -0.01 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Tgt Ion:	105	Resp:	272478
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.5





#85

sec-Butylbenzene

Concen: 19.69 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:105 Resp: 323152

Ion Ratio Lower Upper

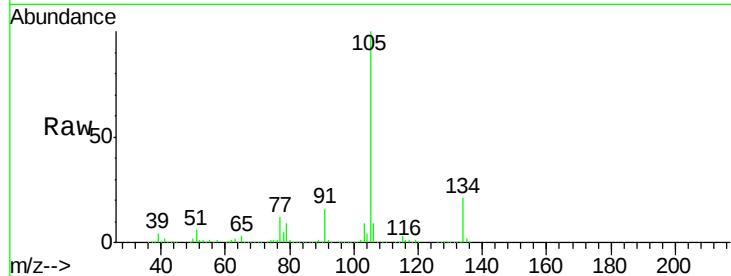
105 100

134 21.2 10.7 32.1

Manual Integrations
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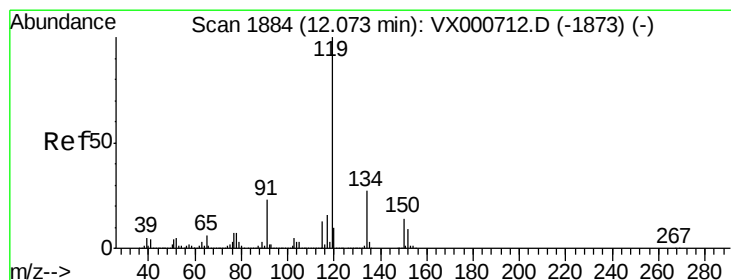
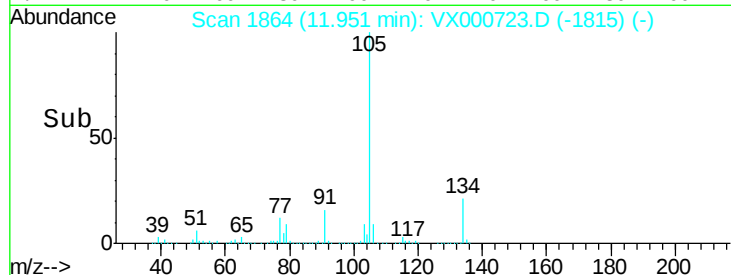
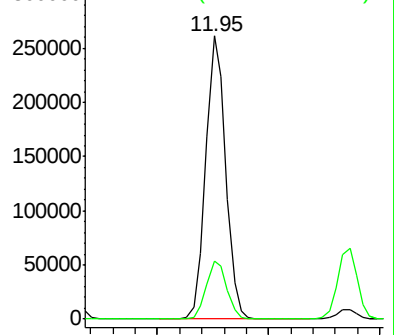
sam

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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: 19.56 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000723.D

Acq: 08 Apr 2018 11:44

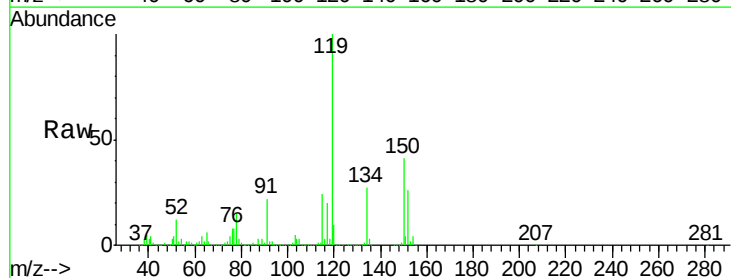
Tgt Ion:119 Resp: 300135

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

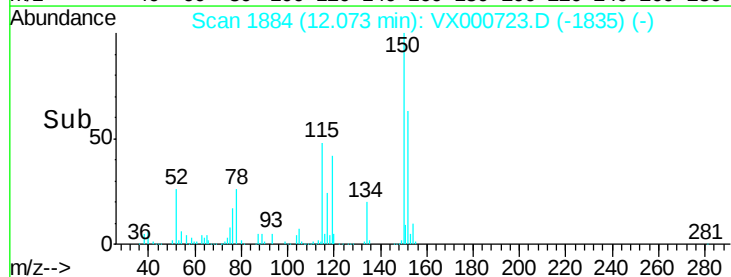
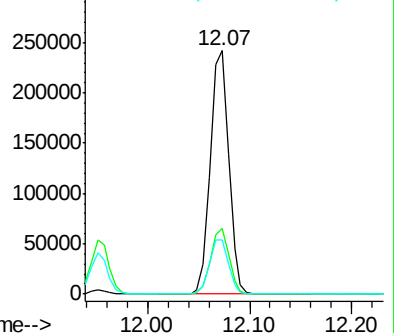
91 23.0 11.5 34.4

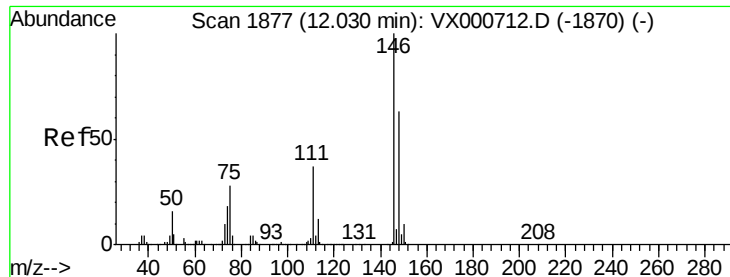


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





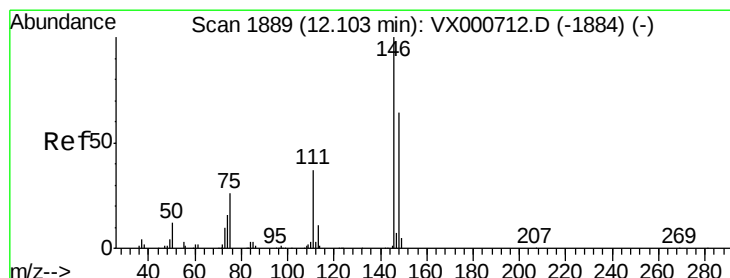
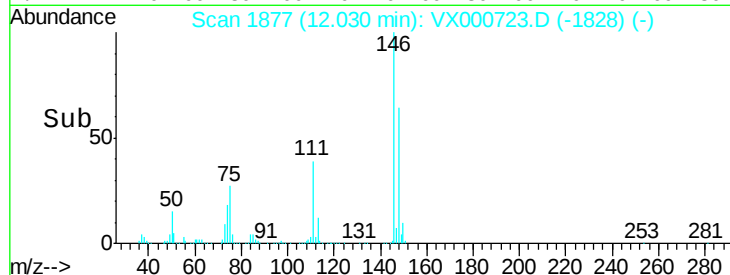
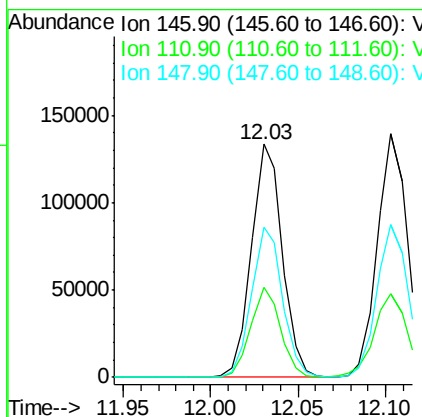
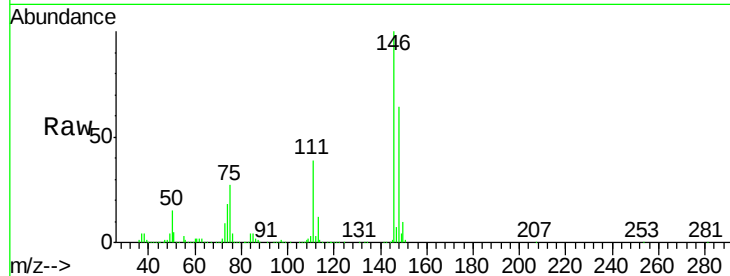
#87
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.5	32.0	96.2

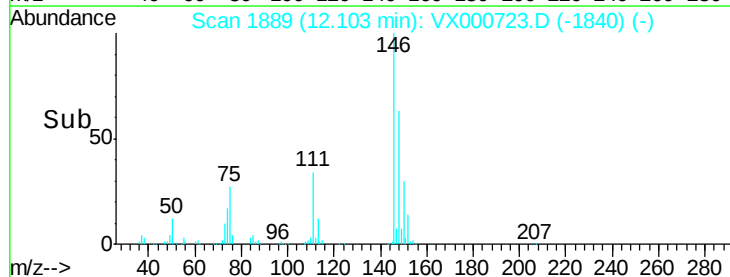
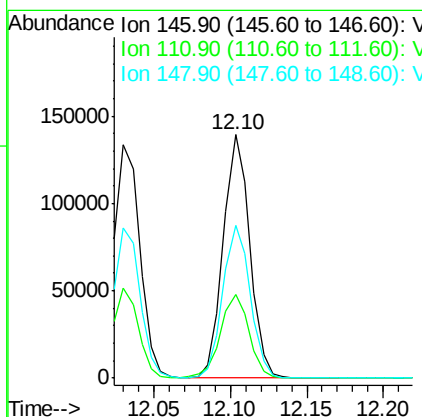
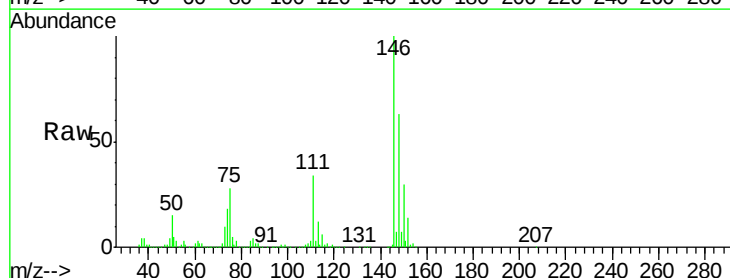
Manual Integrations
 APPROVED

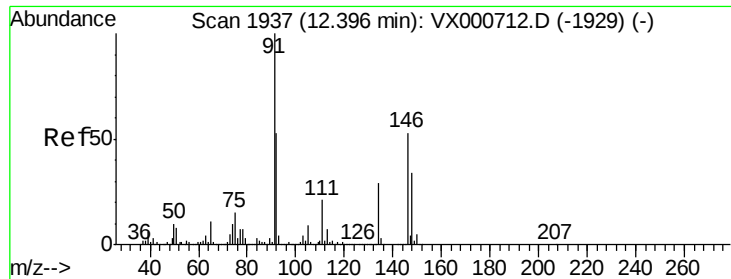
sam
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#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.2	54.6
148	64.9	32.1	96.5





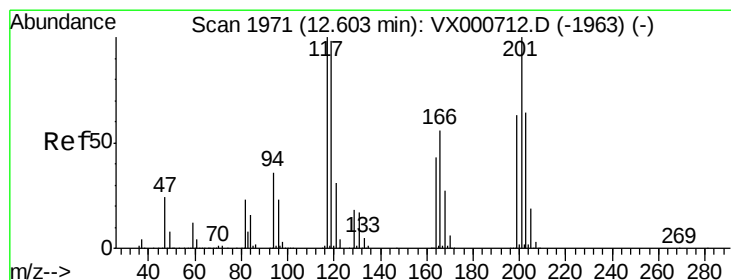
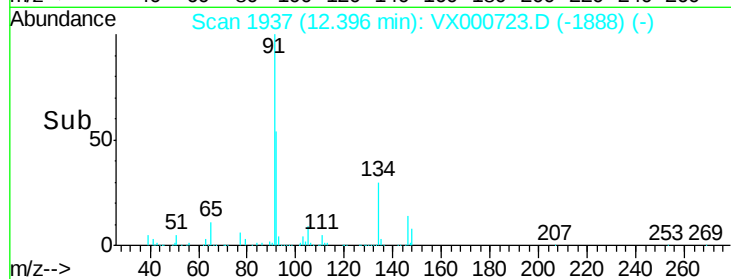
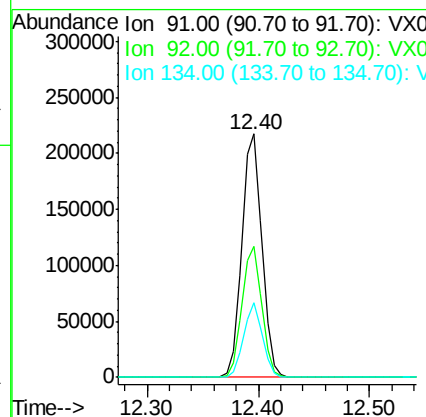
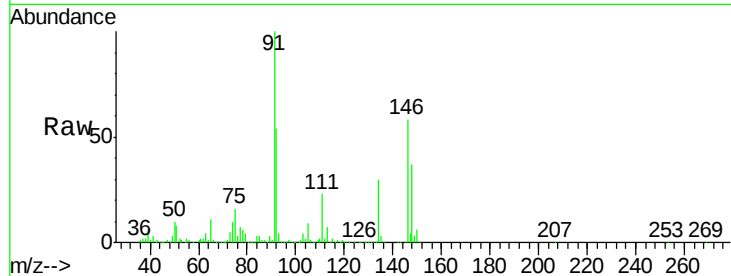
#89
n-Butylbenzene
Concen: 19.60 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	268643		
92	53.5		26.7	80.0
134	29.0		14.4	43.0

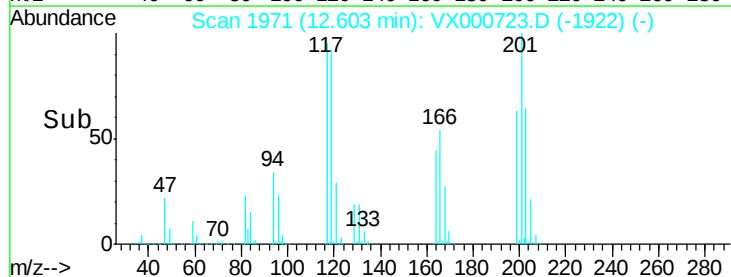
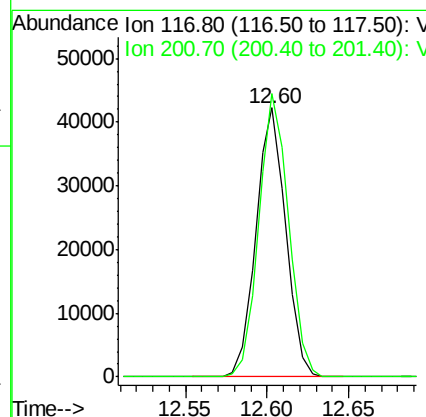
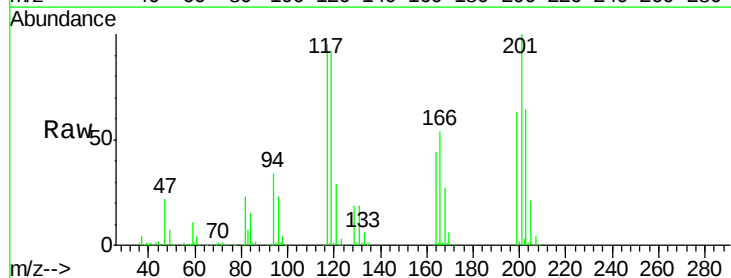
Manual Integrations
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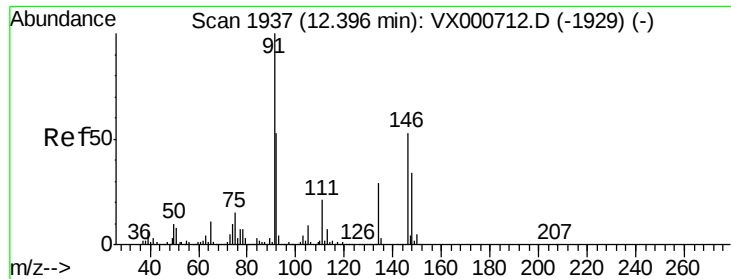
sam
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#90
Hexachloroethane
Concen: 19.19 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	53481		
201	105.0		51.2	153.6





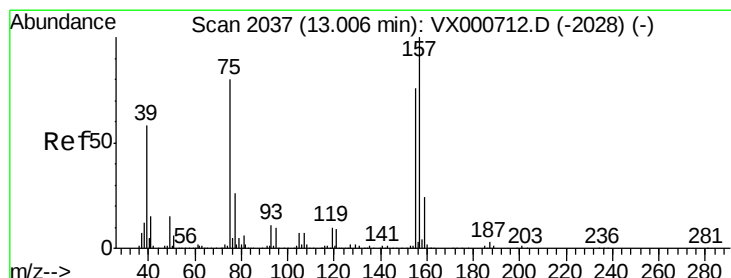
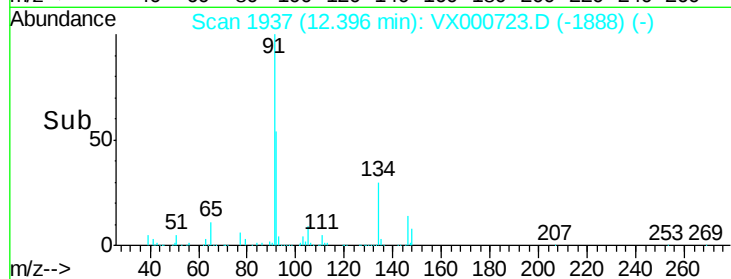
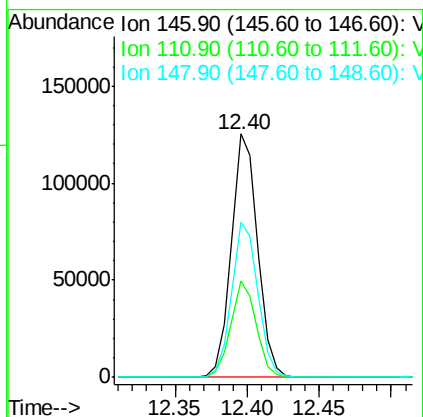
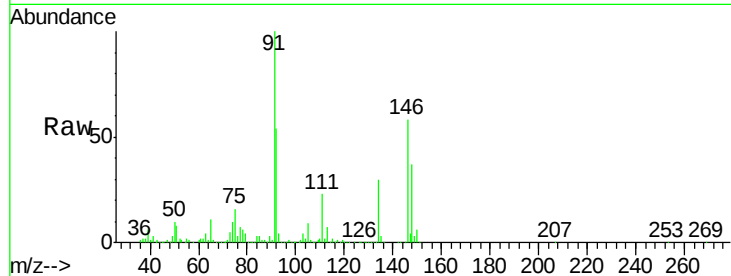
#91
 1,2-Dichlorobenzene
 Concen: 19.61 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.8	31.9	95.7

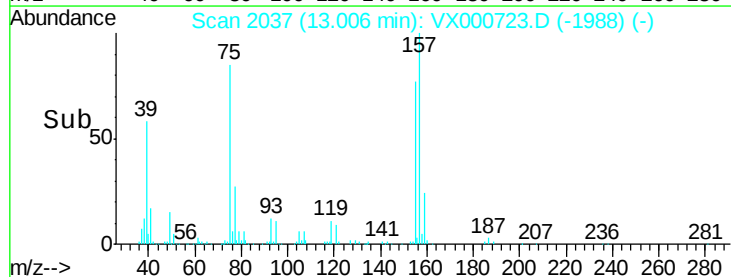
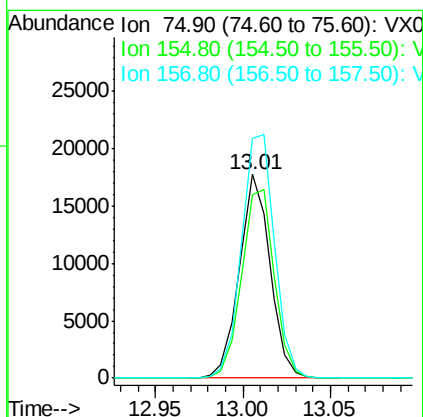
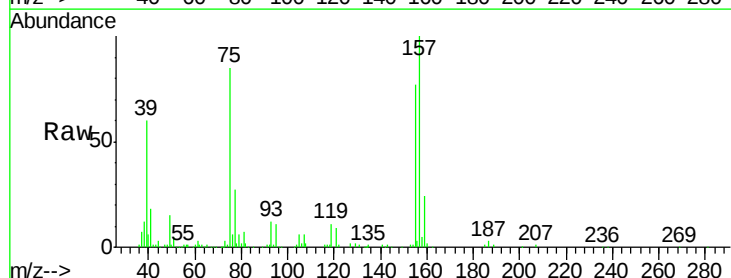
Manual Integrations
 APPROVED

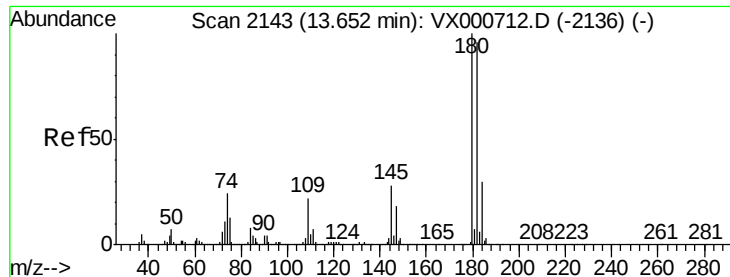
sam
 4/9/2018 2:03:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.59 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	48.4	145.0
157	128.4	62.8	188.5





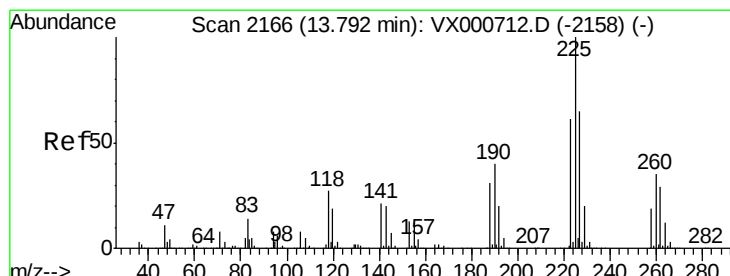
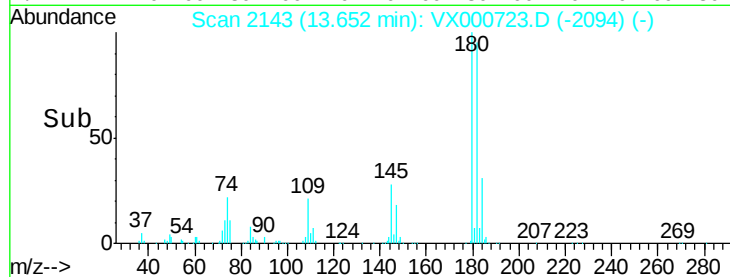
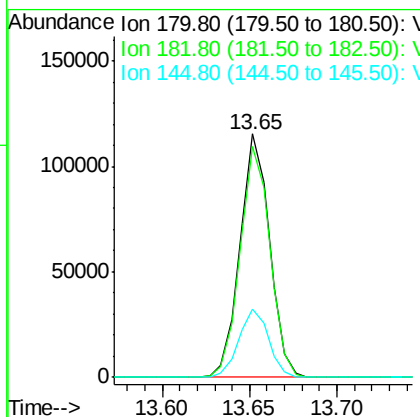
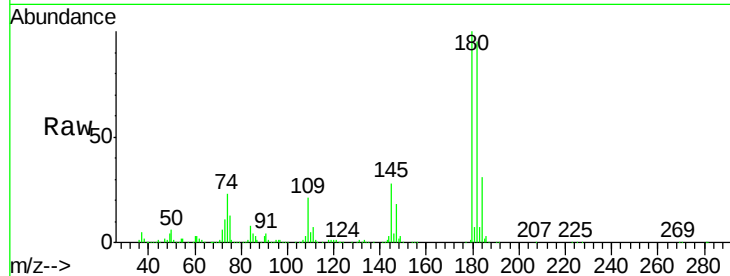
#93
 1,2,4-Trichlorobenzene
 Concen: 19.50 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135925		
182	95.8	47.9	143.7	
145	28.2	14.1	42.3	

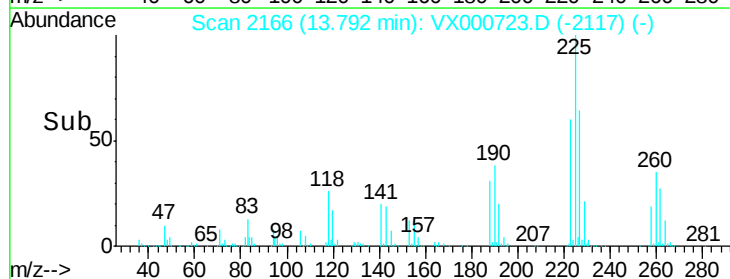
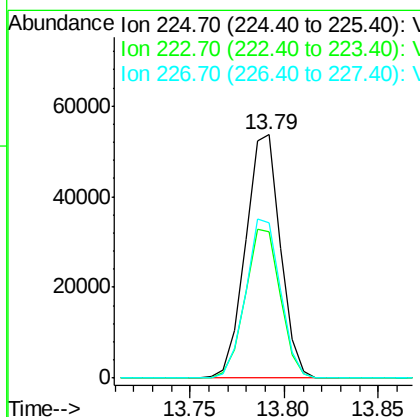
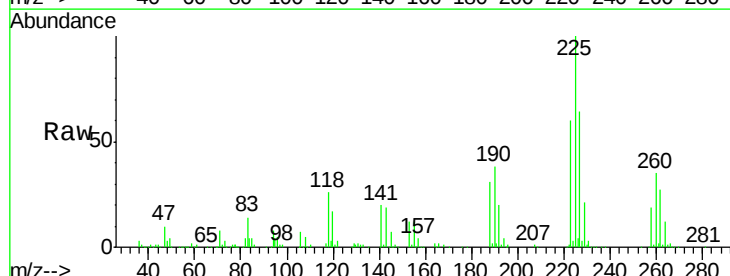
Manual Integrations
 APPROVED

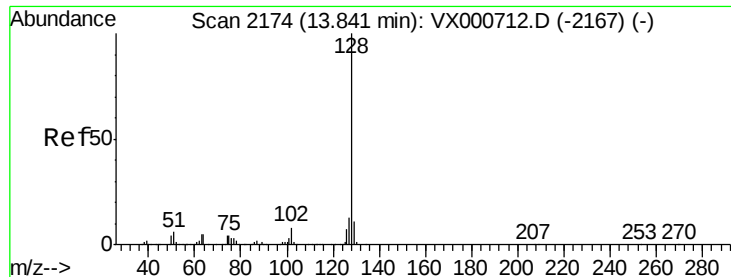
sam
 4/9/2018 2:03:14 PM



#94
 Hexachlorobutadiene
 Concen: 20.04 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000723.D
 Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68789		
223	61.7	30.9	92.8	
227	65.1	31.9	95.7	





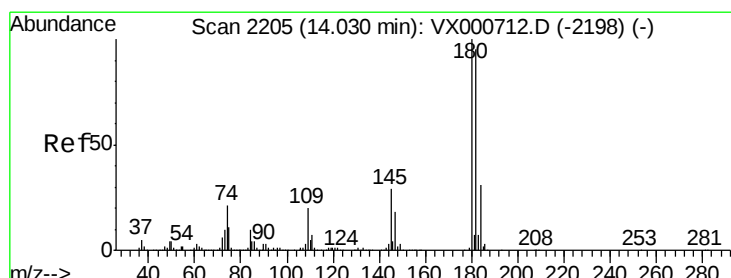
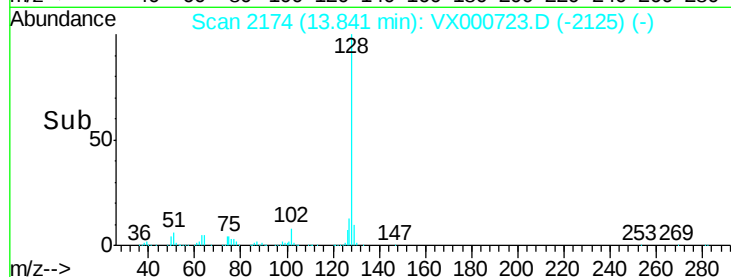
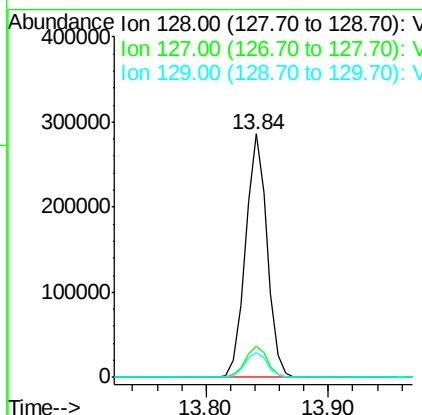
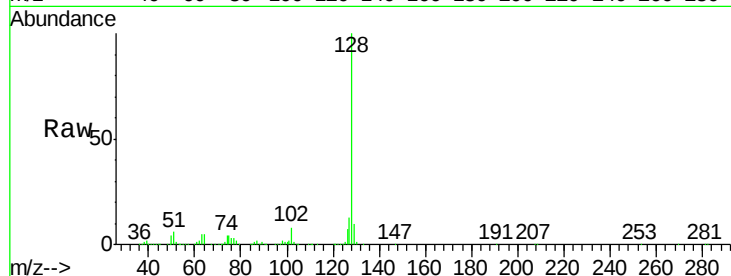
#95
Naphthalene
Concen: 18.99 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	346586		
127	13.0		10.4	15.6
129	10.6		8.8	13.2

Manual Integrations
APPROVED

sam
4/9/2018 2:03:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.84 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000723.D
Acq: 08 Apr 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133444		
182	94.3		47.8	143.3
145	29.2		14.9	44.9

