

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
 Data File : VX003122.D
 Acq On : 02 Jul 2018 12:56
 Operator : JC/MD
 Sample : VX0702WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:53:45 PM

Quant Time: Jul 03 07:09:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	388102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	176782	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	
35) Dibromofluoromethane	5.50	113	147493	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.72	98	530269	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.14	95	201511	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	58357	22.25	ug/l	99
3) Chloromethane	1.32	50	59862	21.47	ug/l	99
4) Vinyl Chloride	1.40	62	67270	20.40	ug/l	92
5) Bromomethane	1.64	94	26520	15.35	ug/l	99
6) Chloroethane	1.72	64	43214	21.12	ug/l	98
7) Trichlorofluoromethane	1.93	101	107304	19.29	ug/l	100
8) Diethyl Ether	2.19	74	39480	19.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64777	20.10	ug/l	98
10) Methyl Iodide	2.51	142	47435	18.93	ug/l	97
11) Tert butyl alcohol	3.07	59	75422	93.96	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57572	20.02	ug/l	92
13) Acrolein	2.29	56	27247	64.42	ug/l	99
14) Allyl chloride	2.73	41	110821	19.55	ug/l	97
15) Acrylonitrile	3.15	53	164810	96.12	ug/l	99
16) Acetone	2.45	43	173463	103.95	ug/l	96
17) Carbon Disulfide	2.57	76	160558	20.96	ug/l	98
18) Methyl Acetate	2.78	43	77580	16.63	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	197872	19.14	ug/l	98
20) Methylene Chloride	2.86	84	66645	20.52	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	61969	19.79	ug/l	95
22) Diisopropyl ether	3.87	45	210345	19.42	ug/l	97
23) Vinyl Acetate	3.82	43	926545	101.00	ug/l	99
24) 1,1-Dichloroethane	3.70	63	114553	19.45	ug/l	99
25) 2-Butanone	4.71	43	248485	100.33	ug/l	99
26) 2,2-Dichloropropane	4.58	77	94062	19.65	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	69795	19.88	ug/l	98
28) Bromochloromethane	5.02	49	50503	17.92	ug/l	91
29) Tetrahydrofuran	5.17	42	153777	96.83	ug/l	97
30) Chloroform	5.22	83	119577	19.79	ug/l	100
31) Cyclohexane	5.57	56	103435	20.47	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	105234	19.79	ug/l	99
36) 1,1-Dichloropropene	5.80	75	87543	20.57	ug/l	99
37) Ethyl Acetate	4.87	43	94040	20.52	ug/l	97
38) Carbon Tetrachloride	5.78	117	95311	20.41	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
 Data File : VX003122.D
 Acq On : 02 Jul 2018 12:56
 Operator : JC/MD
 Sample : VX0702WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0702WBS01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:53:45 PM

Quant Time: Jul 03 07:09:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104685	21.12	ug/l	96
40) Benzene	6.14	78	257987	20.86	ug/l	99
41) Methacrylonitrile	5.06	41	52604	19.93	ug/l	95
42) 1,2-Dichloroethane	6.20	62	98351	19.69	ug/l	98
43) Isopropyl Acetate	6.47	43	149315	19.43	ug/l	98
44) Trichloroethene	7.21	130	76403	20.72	ug/l	99
45) 1,2-Dichloropropane	7.52	63	66770	20.35	ug/l	100
46) Dibromomethane	7.67	93	45478	19.98	ug/l	95
47) Bromodichloromethane	7.90	83	85215	20.25	ug/l	97
48) Methyl methacrylate	7.78	41	75632	19.10	ug/l	93
49) 1,4-Dioxane	7.76	88	30871	400.69	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	475649	98.92	ug/l	98
52) Toluene	8.79	92	165522	20.89	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	98812	20.73	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	92145	20.09	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	67344	20.69	ug/l	96
56) Ethyl methacrylate	9.18	69	96118	20.20	ug/l	94
57) 1,3-Dichloropropane	9.38	76	108490	20.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	221491	96.50	ug/l	97
59) 2-Hexanone	9.50	43	365076	99.90	ug/l	97
60) Dibromochloromethane	9.59	129	69863	20.39	ug/l	99
61) 1,2-Dibromoethane	9.68	107	70677	20.70	ug/l	99
64) Tetrachloroethene	9.34	164	86894	21.53	ug/l	97
65) Chlorobenzene	10.14	112	192251	20.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	69399	20.72	ug/l	99
67) Ethyl Benzene	10.26	91	321641	21.12	ug/l	100
68) m/p-Xylenes	10.36	106	251176	42.79	ug/l	98
69) o-Xylene	10.70	106	120733	21.12	ug/l	98
70) Styrene	10.71	104	198283	21.35	ug/l	98
71) Bromoform	10.86	173	53696	20.26	ug/l #	100
73) Isopropylbenzene	11.02	105	328604	21.43	ug/l	99
74) N-amyl acetate	6.47	43	149315	19.90	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	97869	20.72	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	84237m	20.40	ug/l	
77) Bromobenzene	11.26	156	91716	21.00	ug/l	96
78) n-propylbenzene	11.37	91	372698	21.35	ug/l	98
79) 2-Chlorotoluene	11.43	91	221776	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	276934	21.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23887	19.02	ug/l	96
82) 4-Chlorotoluene	11.51	91	262748	21.00	ug/l	99
83) tert-Butylbenzene	11.77	119	267772	21.04	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	285943	21.37	ug/l	99
85) sec-Butylbenzene	11.95	105	323559	20.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	296566	21.36	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	167449	20.99	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	170691	20.79	ug/l	99
89) n-Butylbenzene	12.39	91	245256	20.30	ug/l	99
90) Hexachloroethane	12.60	117	39787	19.27	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	167693	20.83	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20062	18.89	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
Data File : VX003122.D
Acq On : 02 Jul 2018 12:56
Operator : JC/MD
Sample : VX0702WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

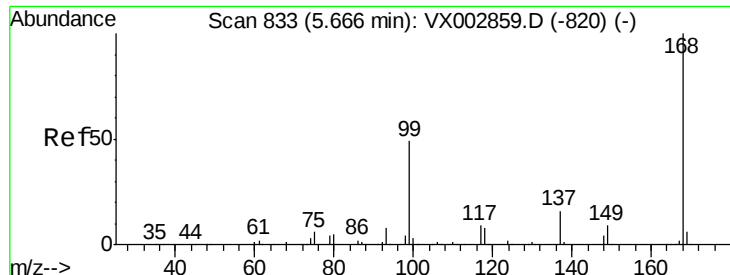
Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM

Quant Time: Jul 03 07:09:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121080	20.67	ug/l	98
94) Hexachlorobutadiene	13.79	225	60781	20.80	ug/l	98
95) Naphthalene	13.84	128	327251	20.97	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122160	20.87	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion:168 Resp: 291532

Ion Ratio Lower Upper

168 100

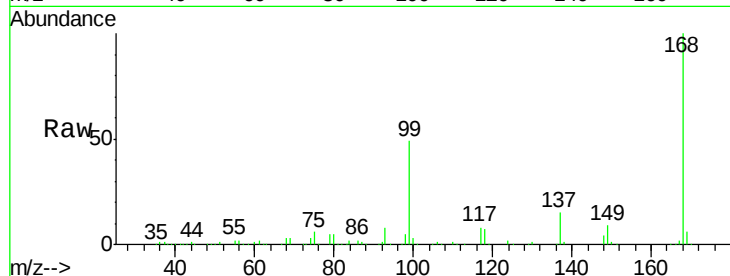
99 48.4 39.3 58.9

Manual Integrations

APPROVED

sam

7/3/2018 3:53:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

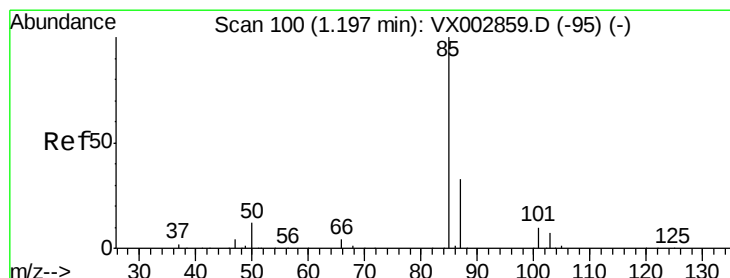
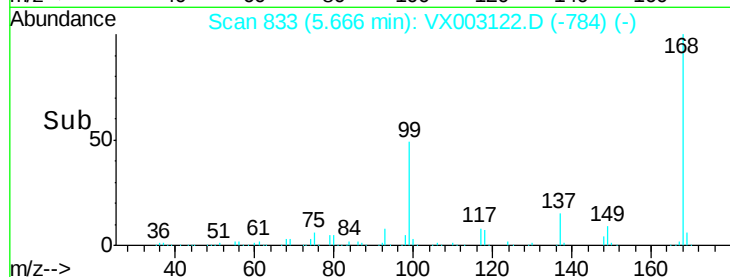
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.25 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003122.D

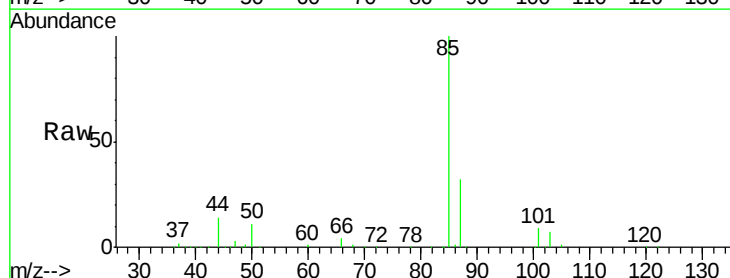
Acq: 02 Jul 2018 12:56

Tgt Ion: 85 Resp: 58357

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

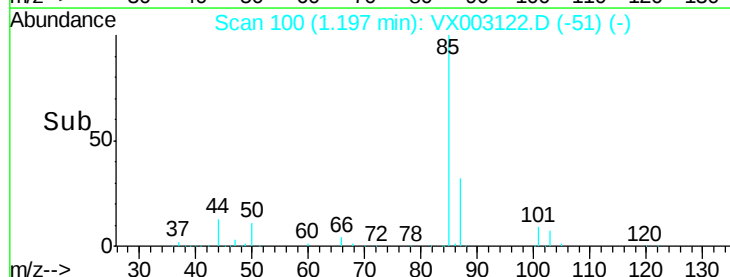
0

1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 21.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 50 Resp: 59862

Ion Ratio Lower Upper

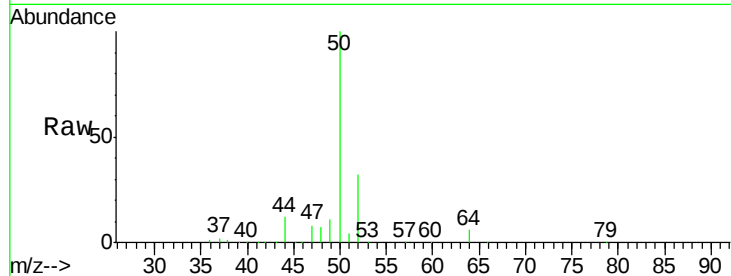
50 100

52 32.4 25.7 38.5

Manual Integrations
APPROVED

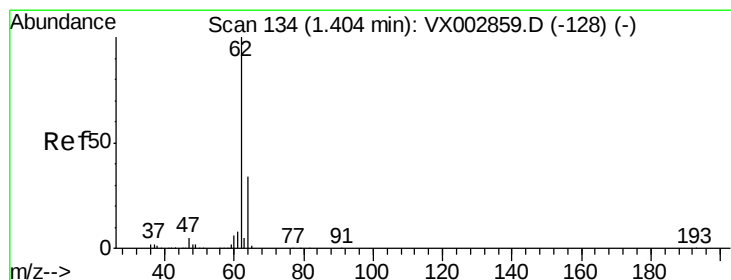
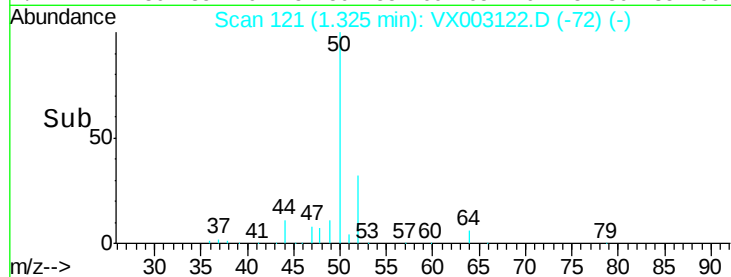
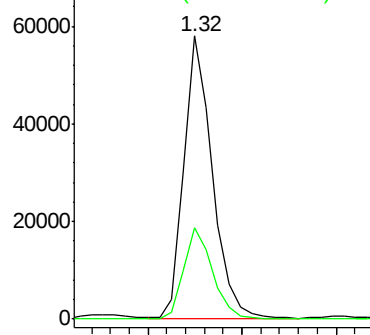
sam

7/3/2018 3:53:45 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.40 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003122.D

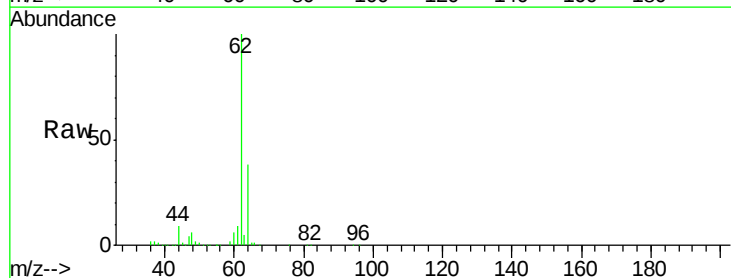
Acq: 02 Jul 2018 12:56

Tgt Ion: 62 Resp: 67270

Ion Ratio Lower Upper

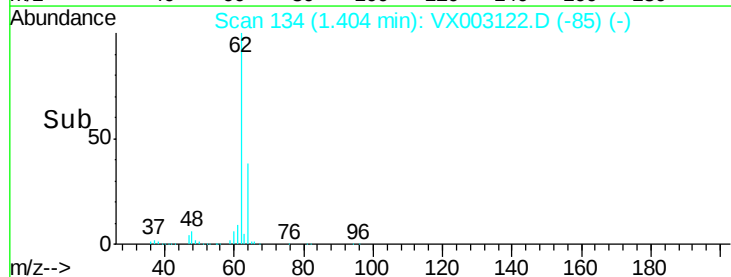
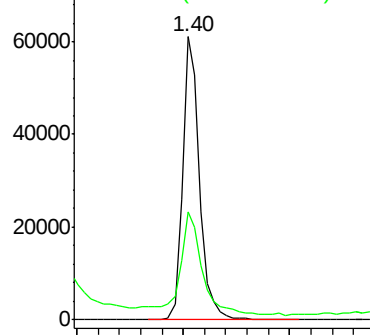
62 100

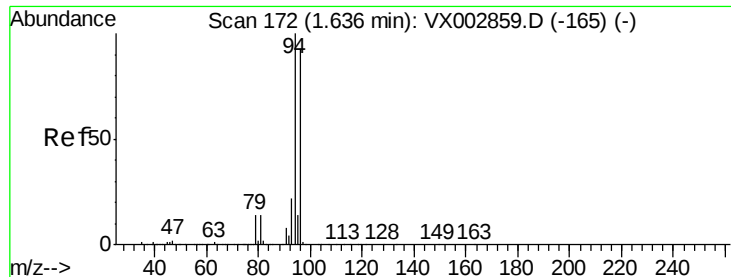
64 36.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.35 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 94 Resp: 26520

Ion Ratio Lower Upper

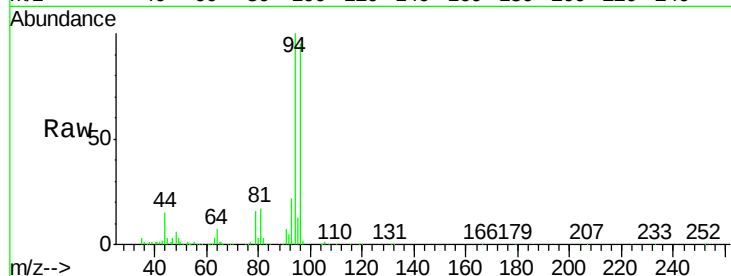
94 100

96 94.9 74.9 112.3

Manual Integrations
APPROVED

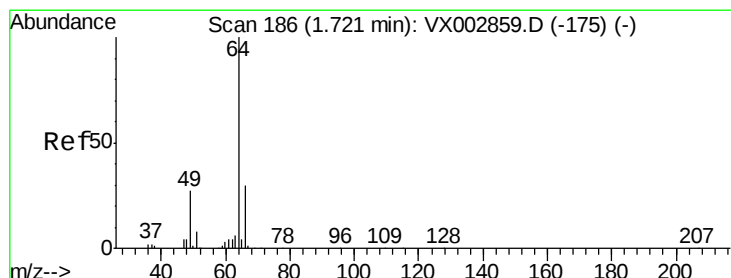
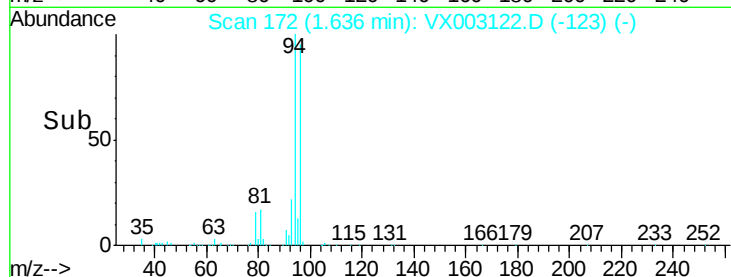
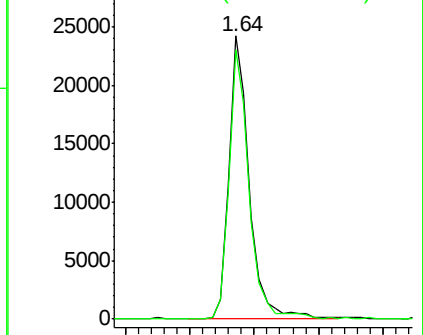
sam

7/3/2018 3:53:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.12 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003122.D

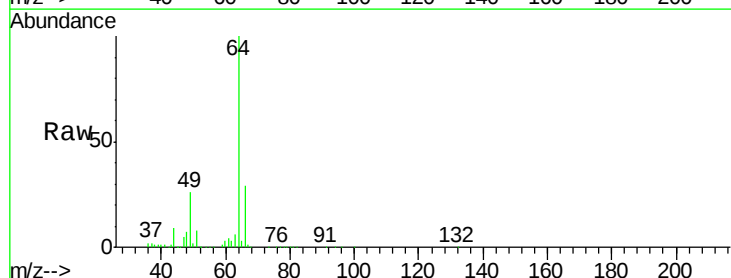
Acq: 02 Jul 2018 12:56

Tgt Ion: 64 Resp: 43214

Ion Ratio Lower Upper

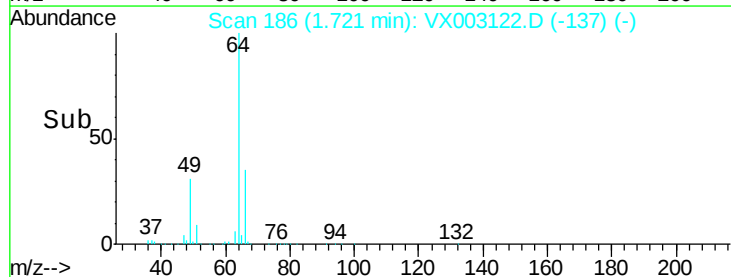
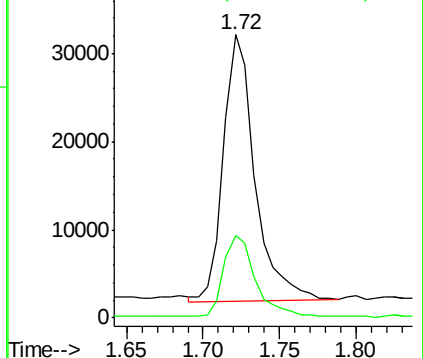
64 100

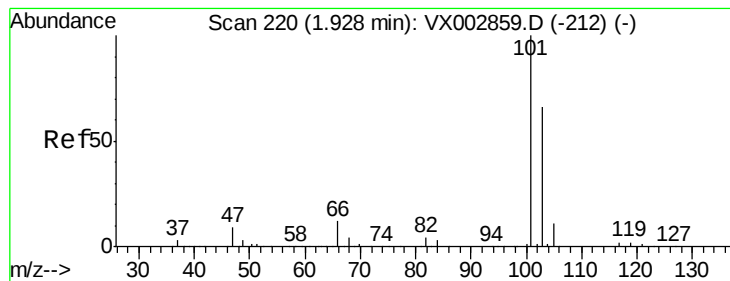
66 30.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

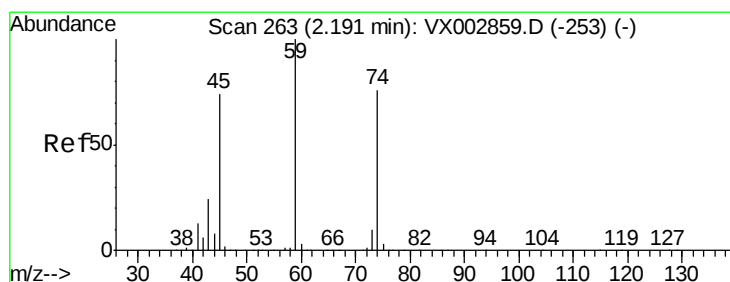
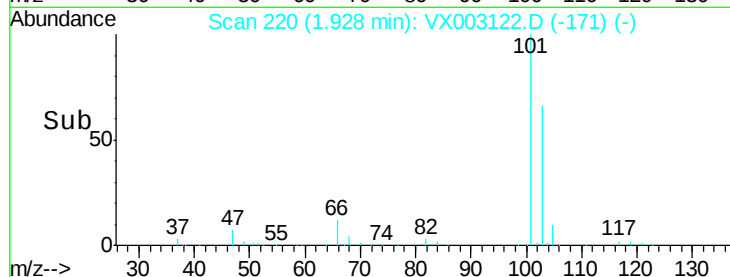
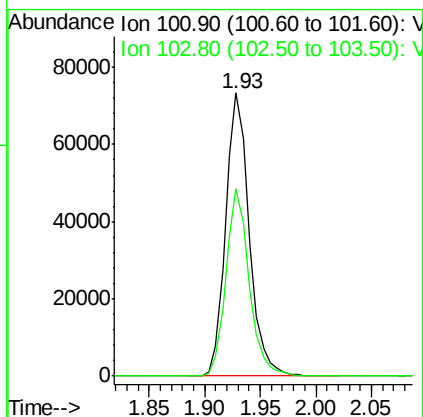
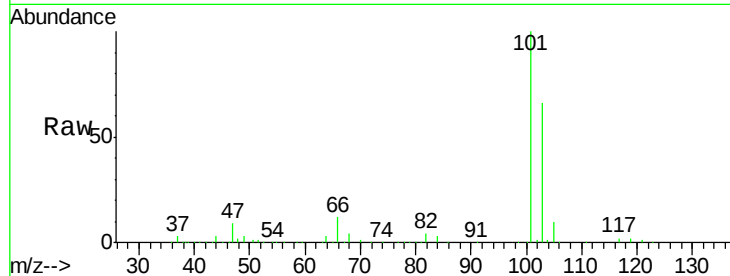
Trichlorofluoromethane
Concen: 19.29 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.8	79.2

Manual Integrations
APPROVED

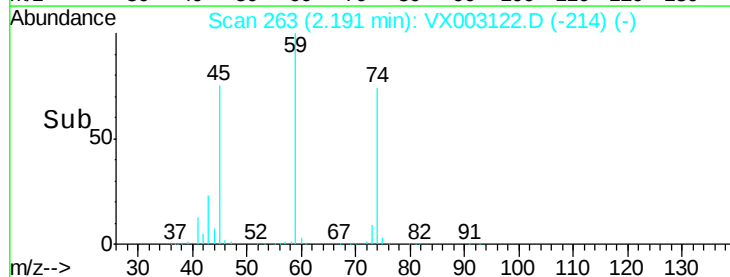
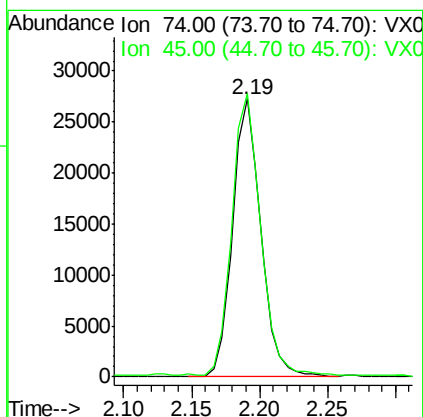
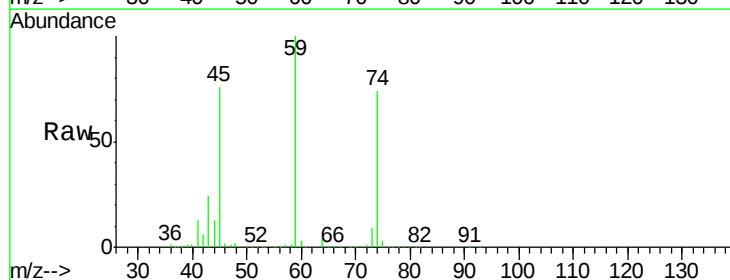
sam
7/3/2018 3:53:45 PM



#8

Diethyl Ether
Concen: 19.53 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.10 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

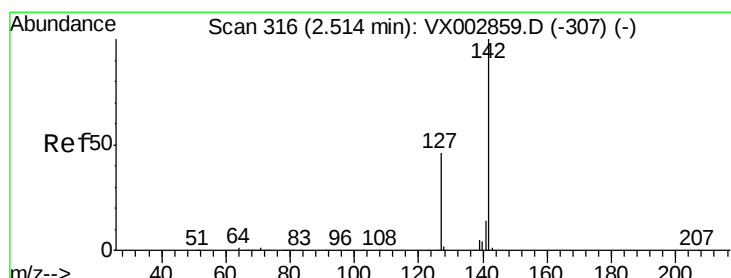
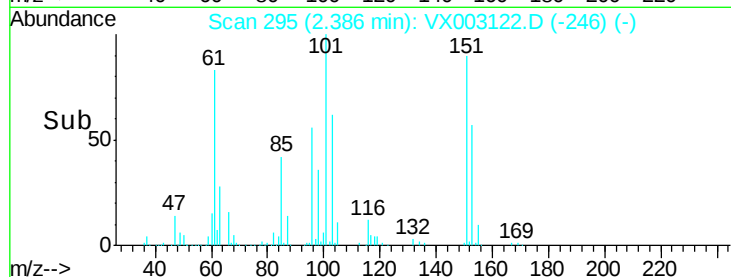
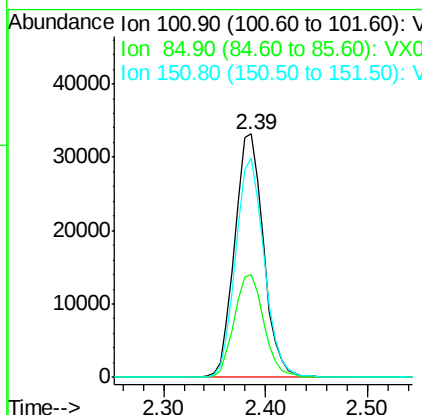
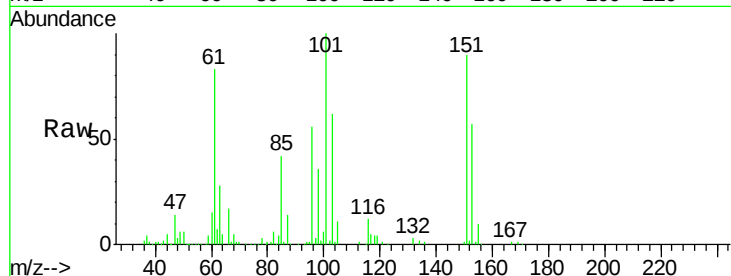
ClientSampleId :

VX0702WBS01

Tot Ion:	101	Resp:	64777
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	89.6	70.9	106.3

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#10

Methyl Iodide

Concen: 18.93 ug/l

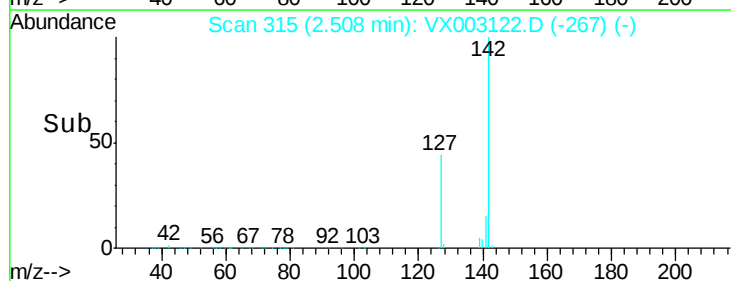
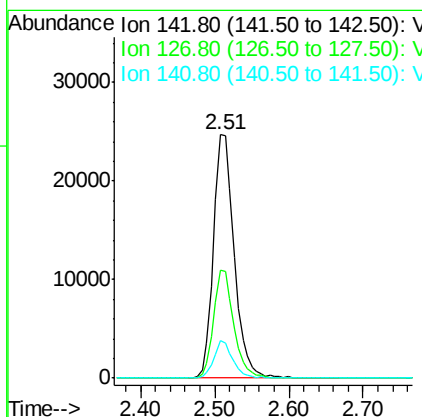
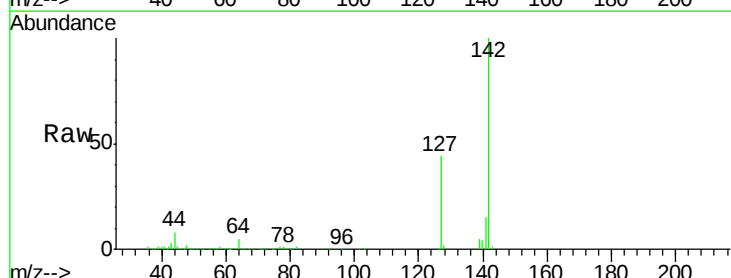
RT: 2.51 min Scan# 315

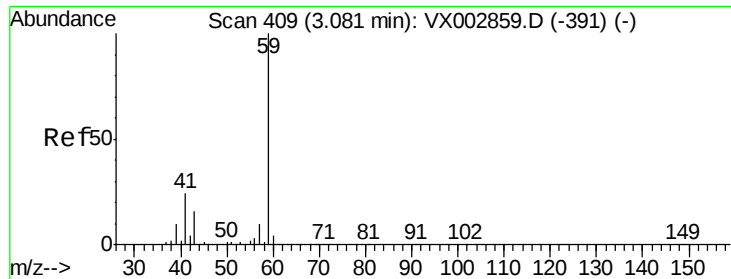
Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	142	Resp:	47435
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.6	55.0
141	14.1	11.3	16.9





#11

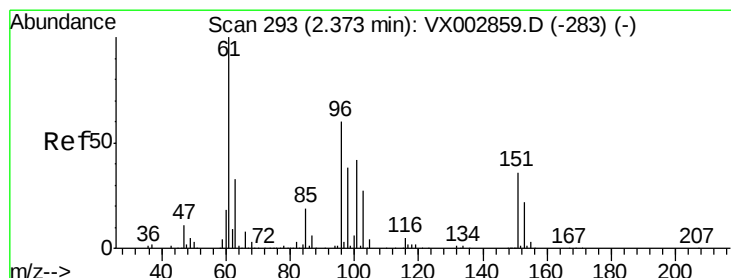
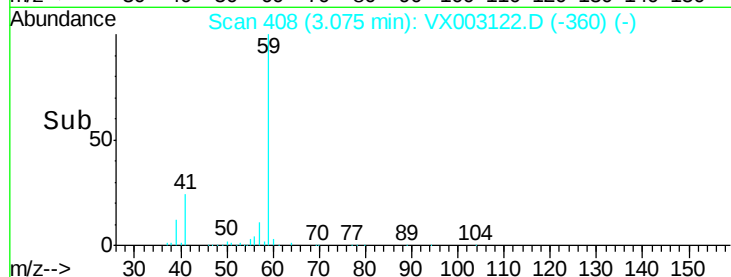
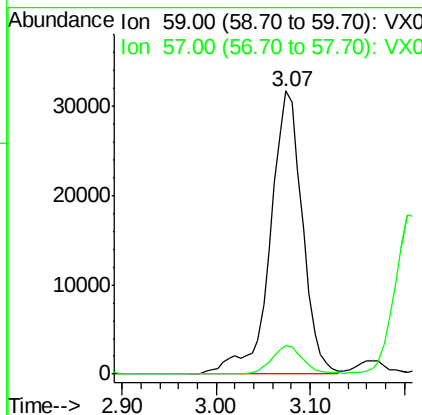
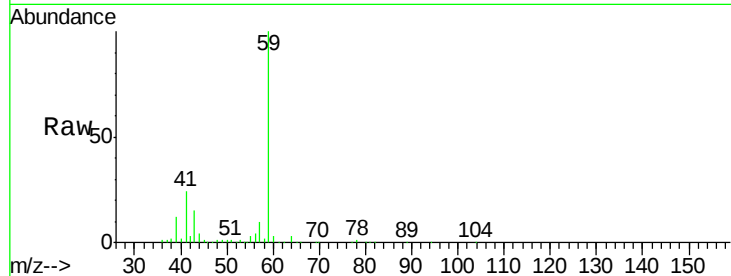
Tert butyl alcohol
 Concen: 93.96 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
 APPROVED

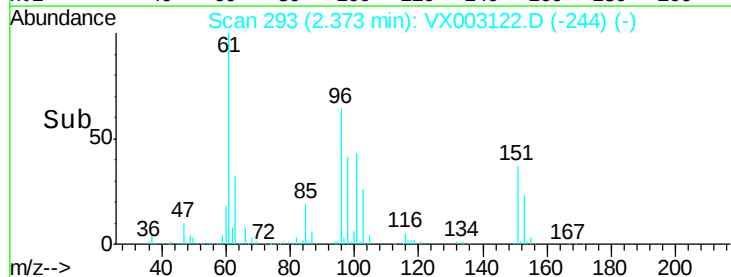
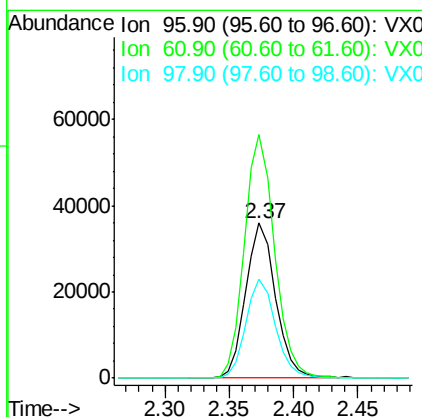
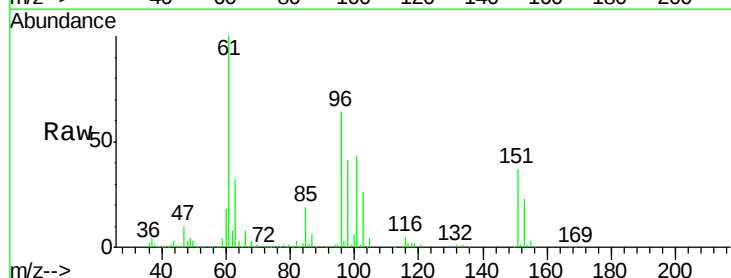
sam
 7/3/2018 3:53:45 PM



#12

1,1-Dichloroethene
 Concen: 20.02 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	137.9	206.9
98	64.3	51.6	77.4





#13

Acrolein

Concen: 64.42 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 56 Resp: 27247

Ion Ratio Lower Upper

56 100

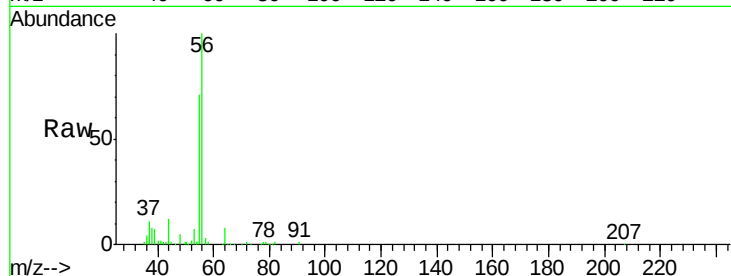
55 71.7 57.0 85.4

Manual Integrations

APPROVED

sam

7/3/2018 3:53:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

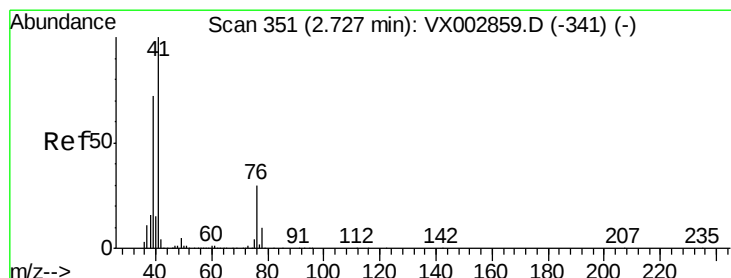
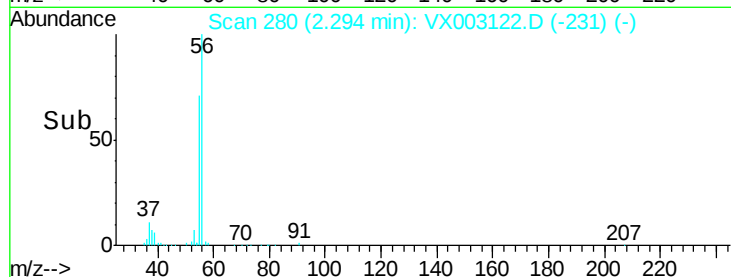
10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40

2.29



#14

Allyl chloride

Concen: 19.55 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

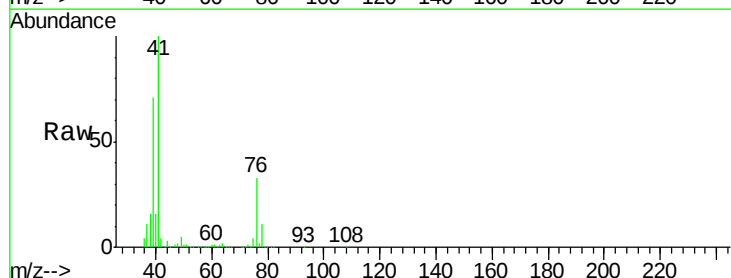
Tgt Ion: 41 Resp: 110821

Ion Ratio Lower Upper

41 100

39 67.8 56.8 85.2

76 31.0 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

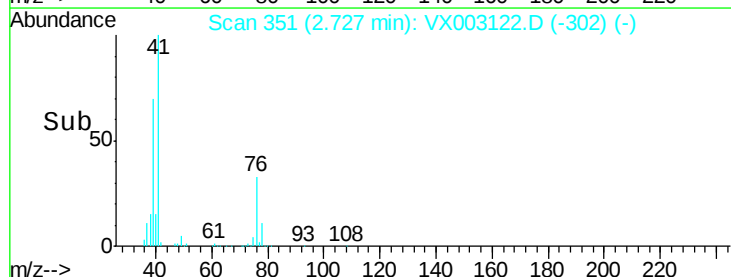
40000

20000

0

Time--> 2.60 2.70 2.80

2.73





#15

Acrylonitrile

Concen: 96.12 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

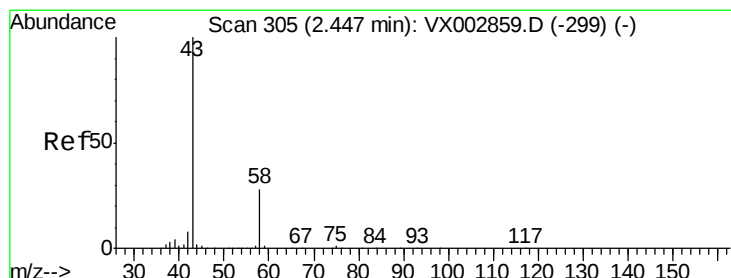
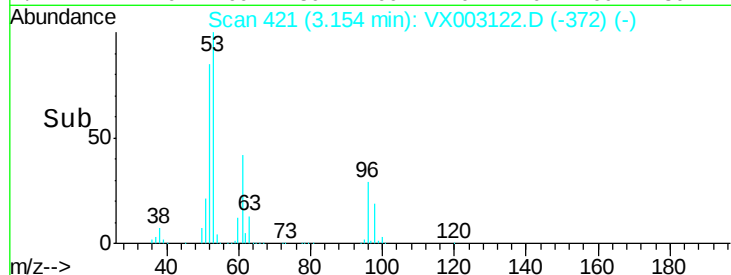
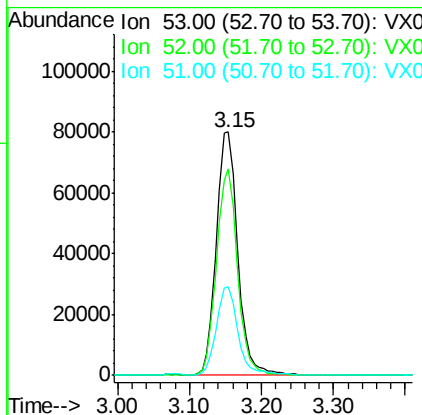
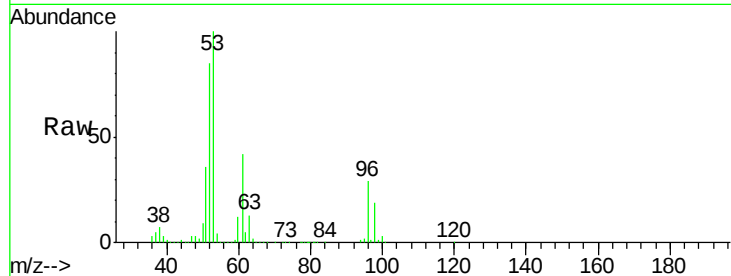
ClientSampled :

VX0702WBS01

Tot Ion:	53	Resp:	164810
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	36.5	29.9	44.9

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#16

Acetone

Concen: 103.95 ug/l

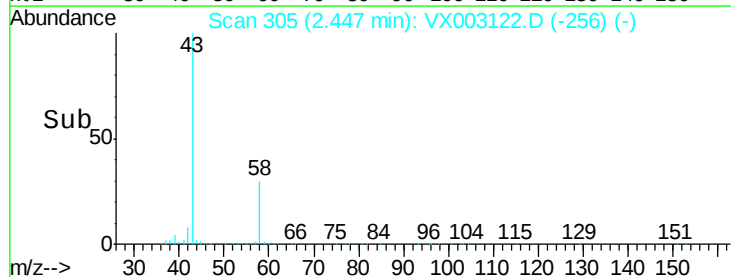
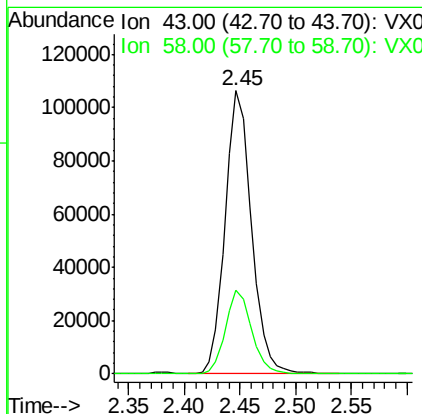
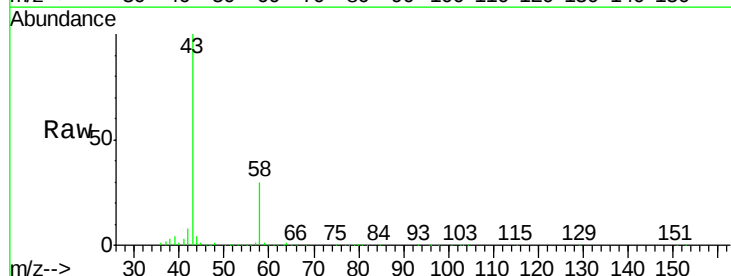
RT: 2.45 min Scan# 305

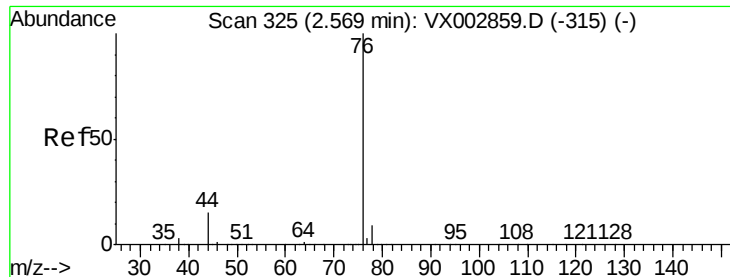
Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	43	Resp:	173463
Ion	Ratio	Lower	Upper
43	100		
58	29.5	22.1	33.1





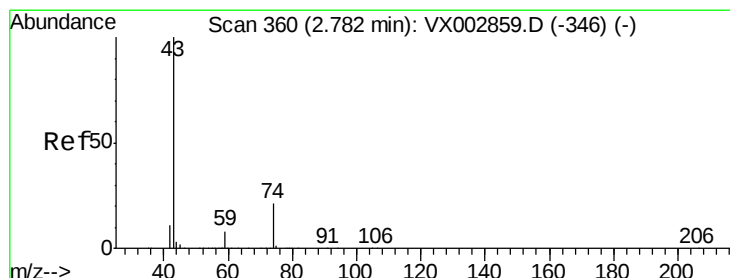
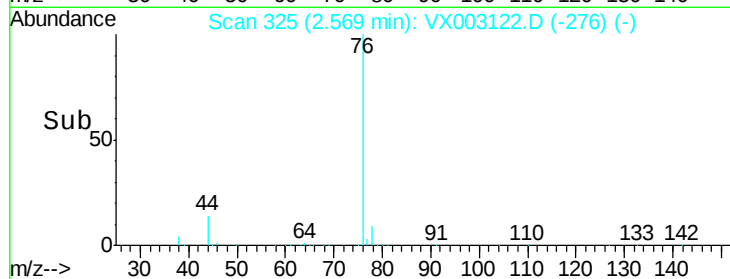
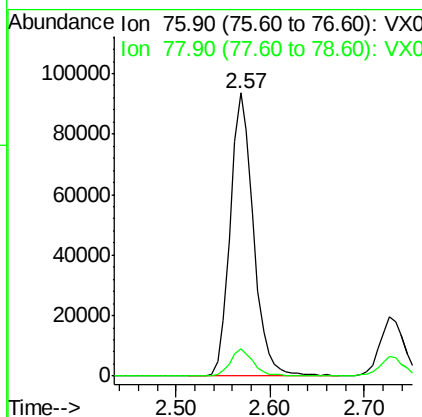
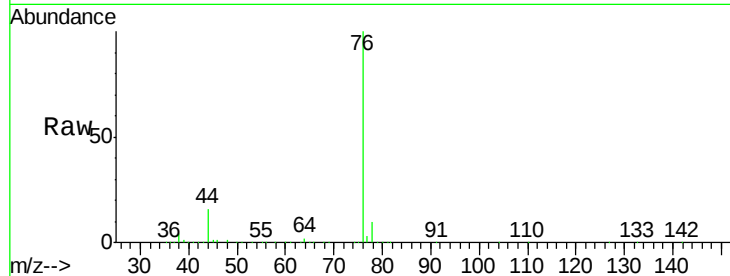
#17
Carbon Disulfide
Concen: 20.96 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

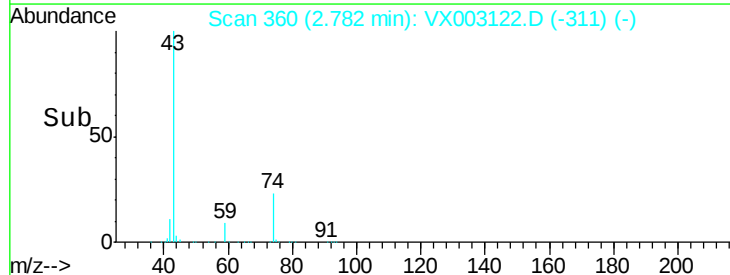
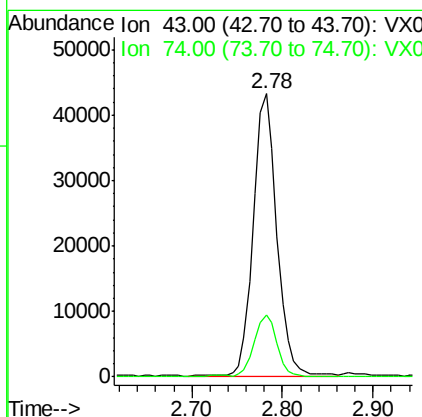
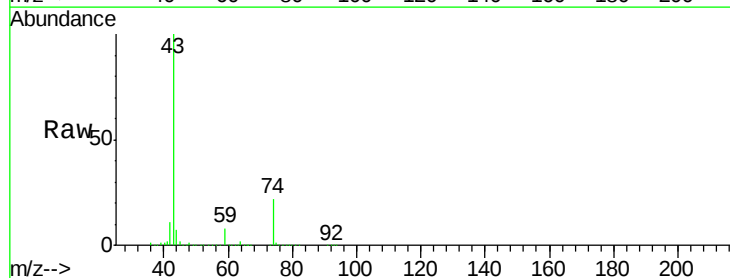
Manual Integrations
APPROVED

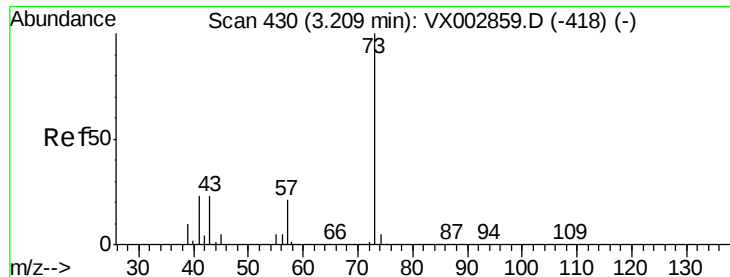
sam
7/3/2018 3:53:45 PM



#18
Methyl Acetate
Concen: 16.63 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1





#19

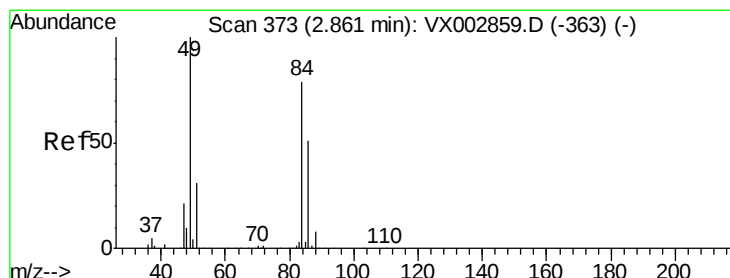
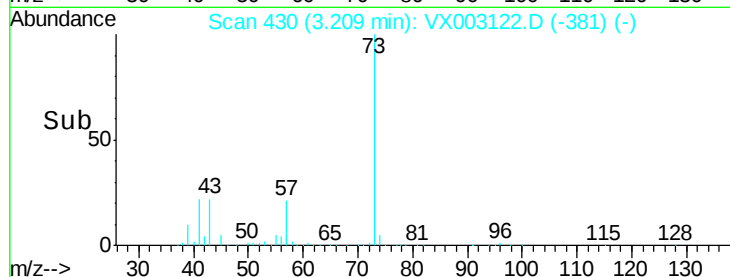
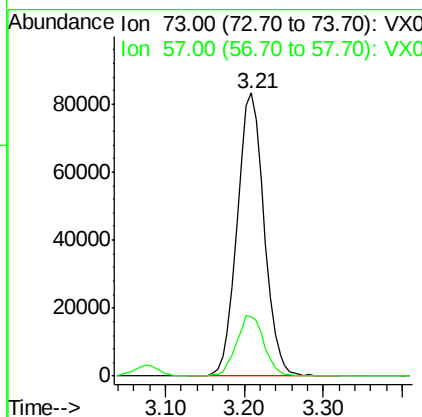
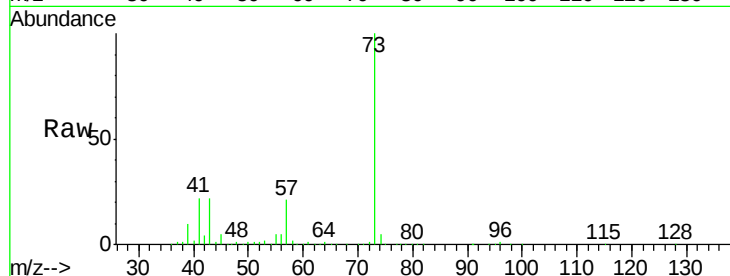
Methyl tert-butyl Ether
 Concen: 19.14 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

Manual Integrations
 APPROVED

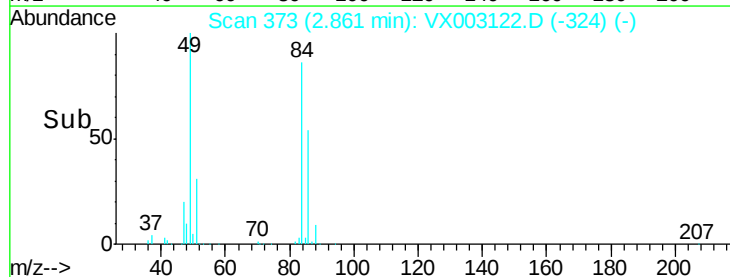
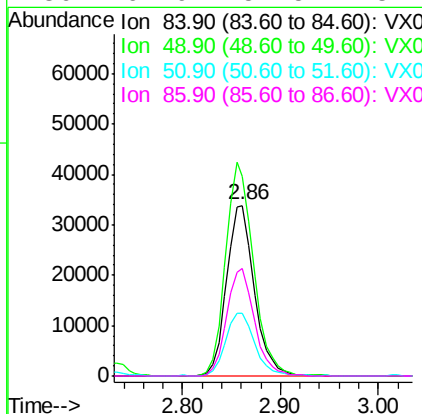
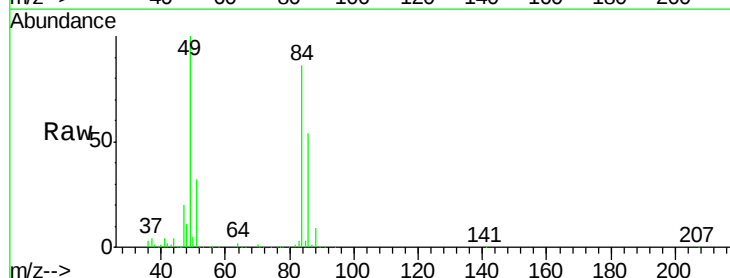
sam
 7/3/2018 3:53:45 PM

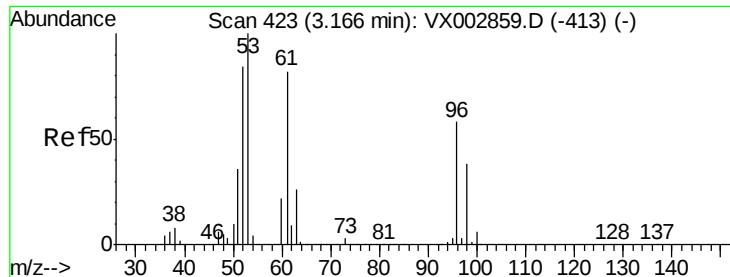


#20

Methylene Chloride
 Concen: 20.52 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	107.8	161.6
51	36.6	32.8	49.2
86	62.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.79 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 96 Resp: 61969

Ion Ratio Lower Upper

96 100

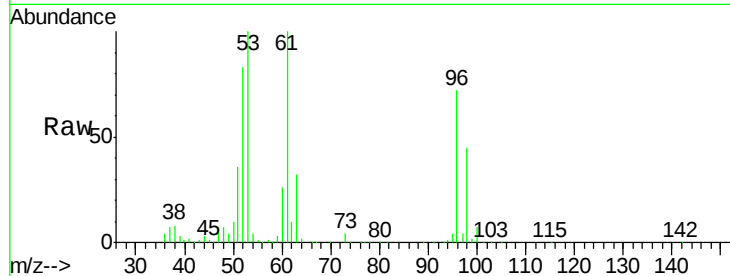
61 138.6 117.0 175.4

98 62.7 52.4 78.6

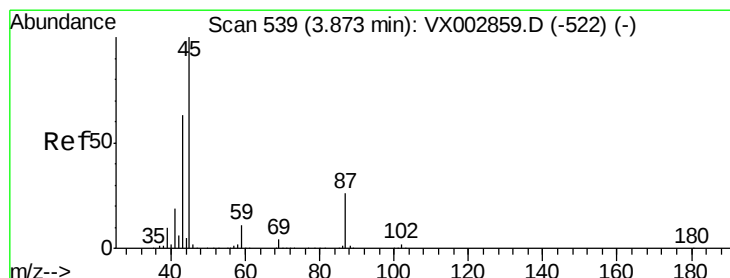
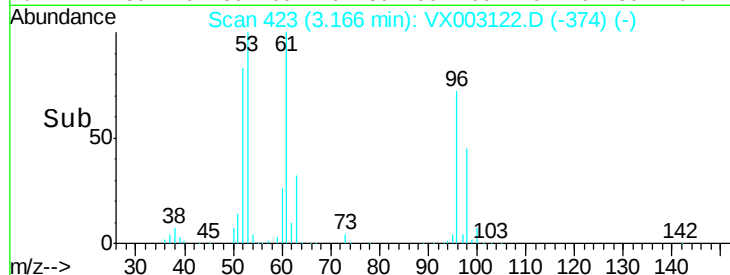
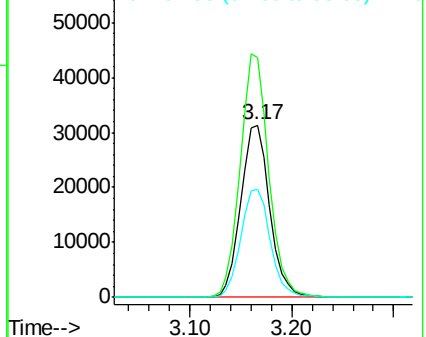
Manual Integrations
APPROVED

sam

7/3/2018 3:53:45 PM



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



#22

Diisopropyl ether

Concen: 19.42 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion: 45 Resp: 210345

Ion Ratio Lower Upper

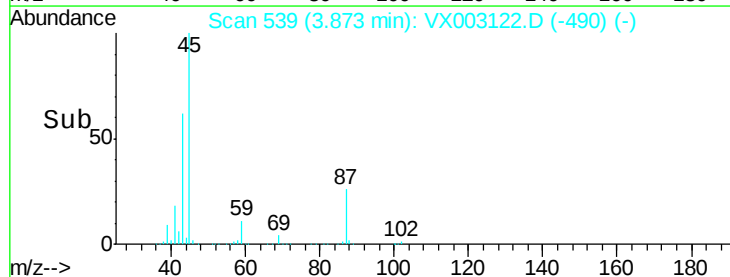
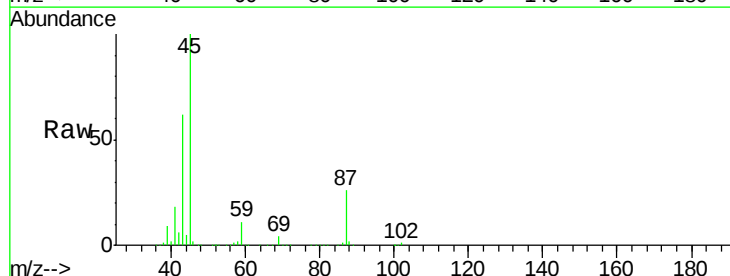
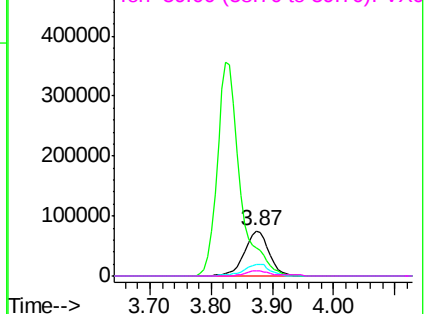
45 100

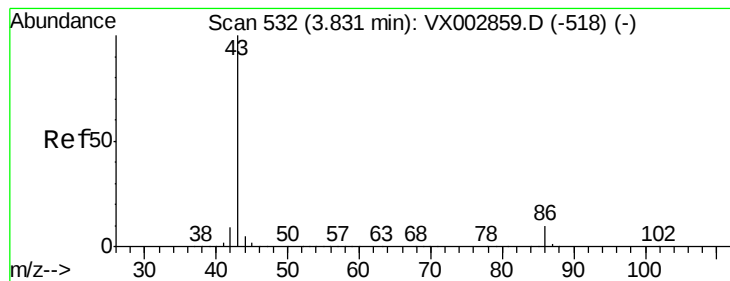
43 61.7 46.8 70.2

87 25.6 20.2 30.4

59 11.2 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.00 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 43 Resp: 926545

Ion Ratio Lower Upper

43 100

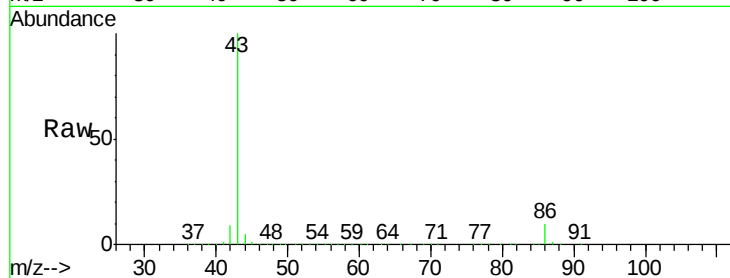
86 9.6 7.4 11.0

Manual Integrations

APPROVED

sam

7/3/2018 3:53:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

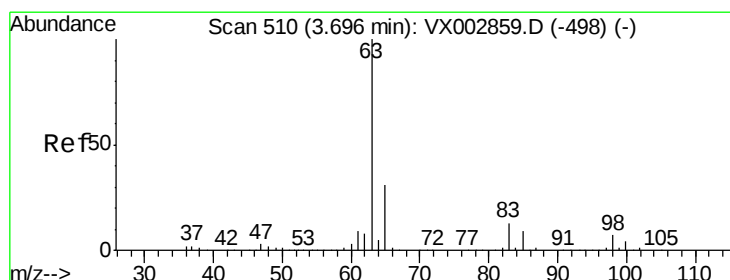
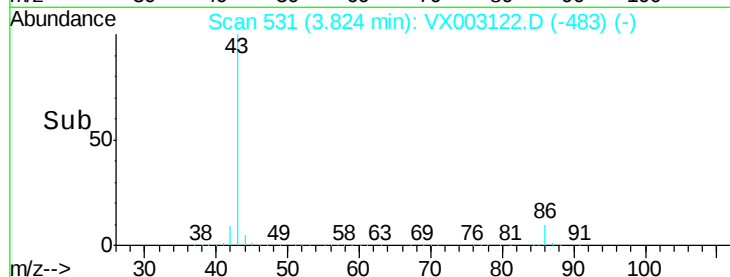
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.45 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

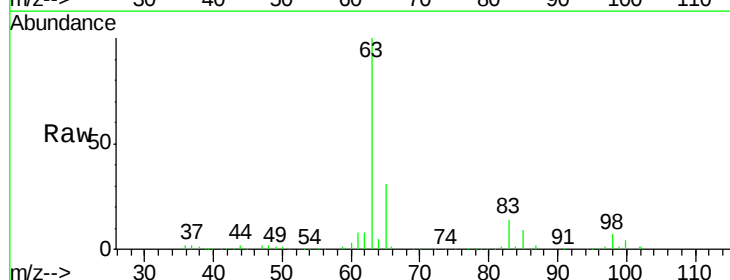
Tgt Ion: 63 Resp: 114553

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.4 2.0 6.0



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

60000

50000

40000

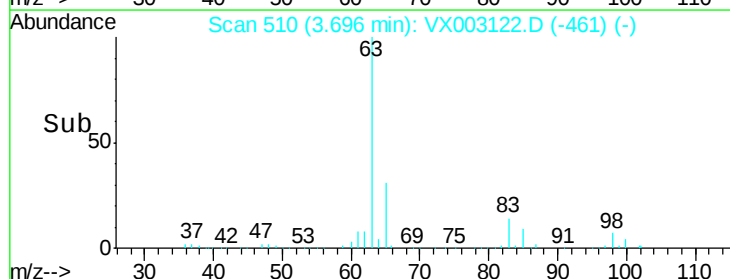
30000

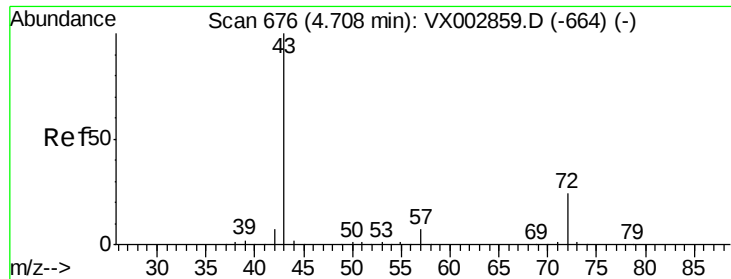
20000

10000

0

Time-->





#25

2-Butanone

Concen: 100.33 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 43 Resp: 248485

Ion Ratio Lower Upper

43 100

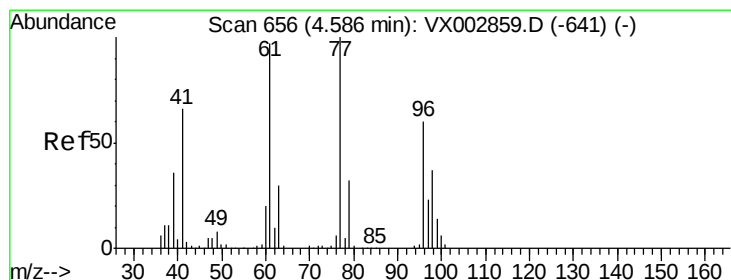
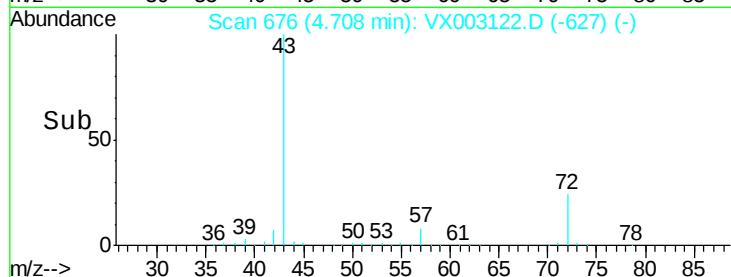
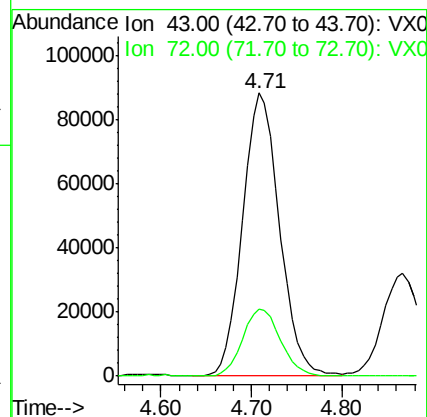
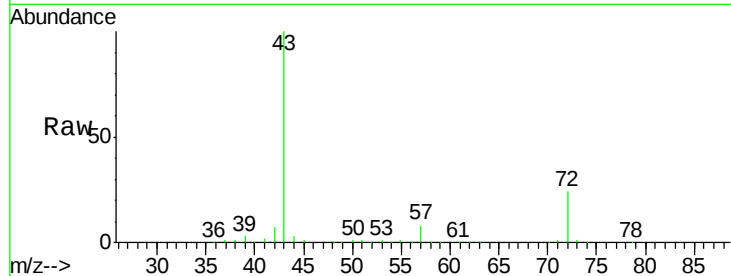
72 23.5 18.5 27.7

Manual Integrations

APPROVED

sam

7/3/2018 3:53:45 PM



#26

2,2-Dichloropropane

Concen: 19.65 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003122.D

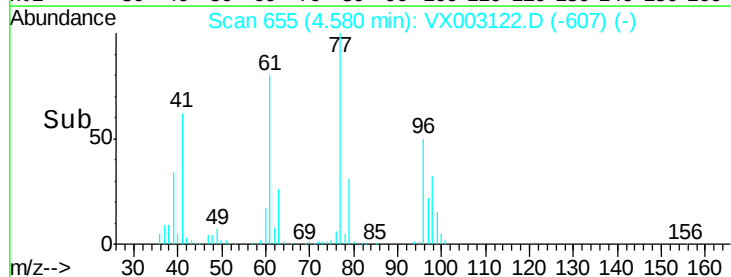
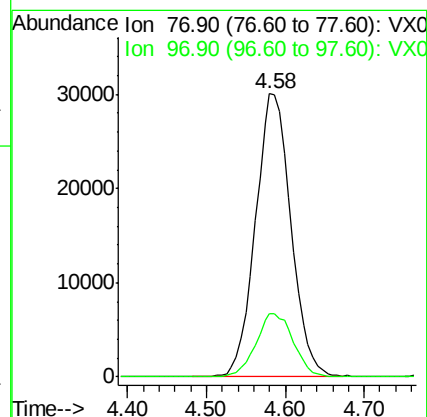
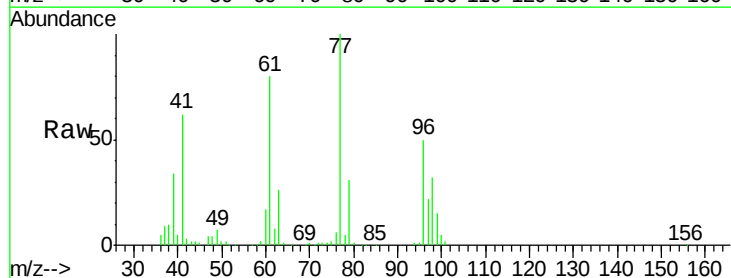
Acq: 02 Jul 2018 12:56

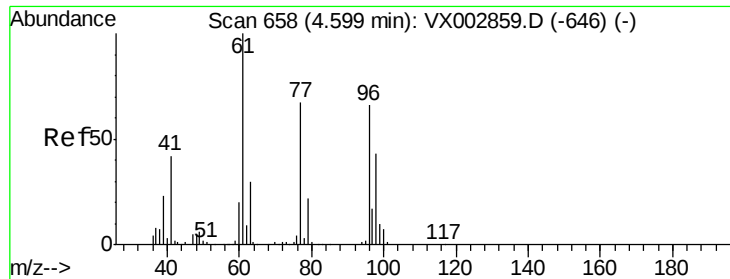
Tgt Ion: 77 Resp: 94062

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.5





#27

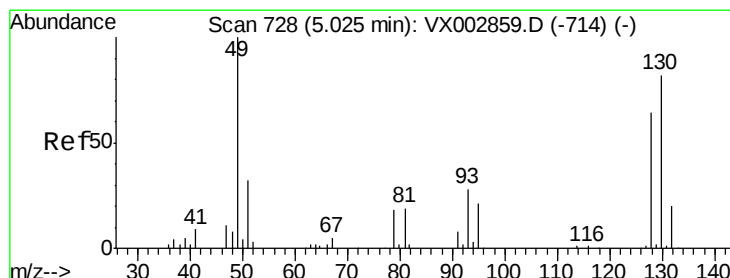
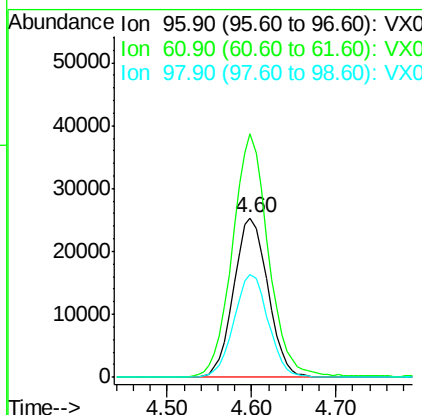
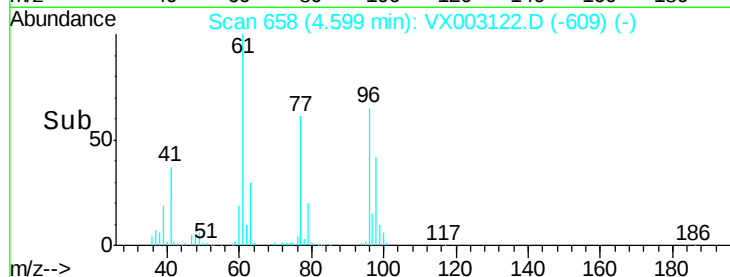
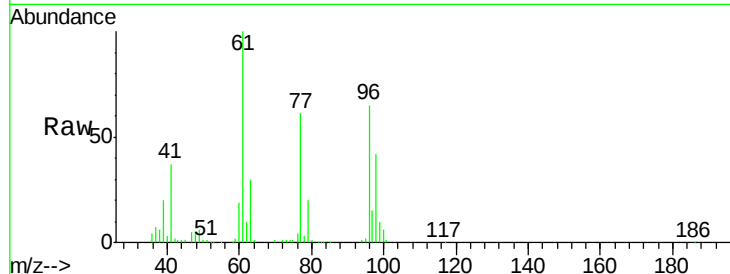
cis-1,2-Dichloroethene
Concen: 19.88 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	330.2
98	64.8	0.0	130.2

Manual Integrations
APPROVED

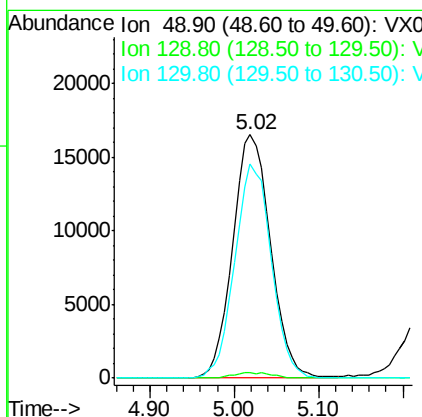
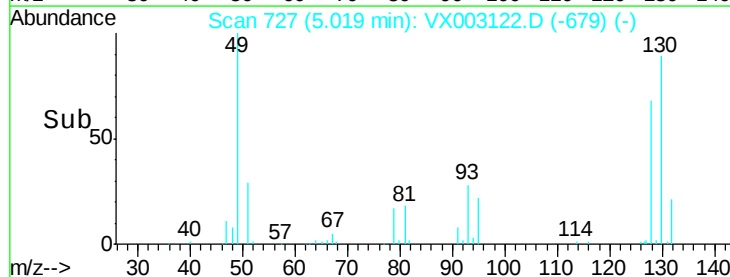
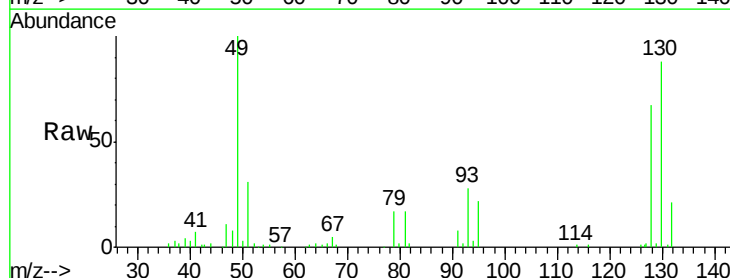
sam
7/3/2018 3:53:45 PM

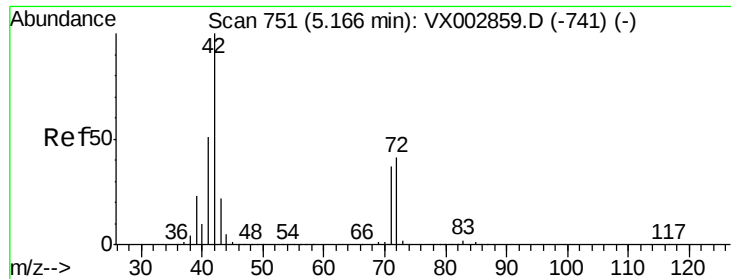


#28

Bromochloromethane
Concen: 17.92 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.7	61.2	91.8





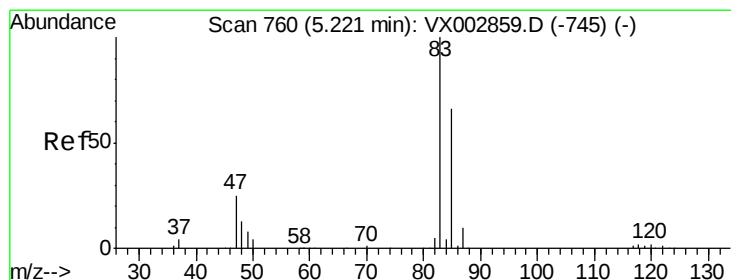
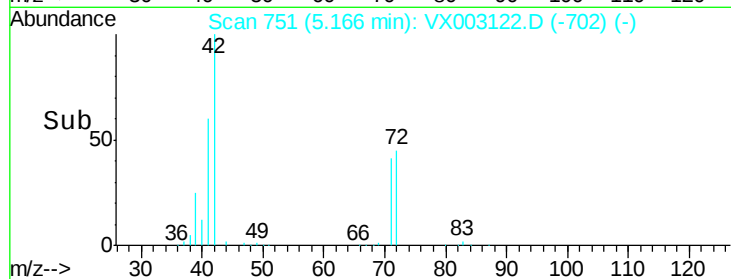
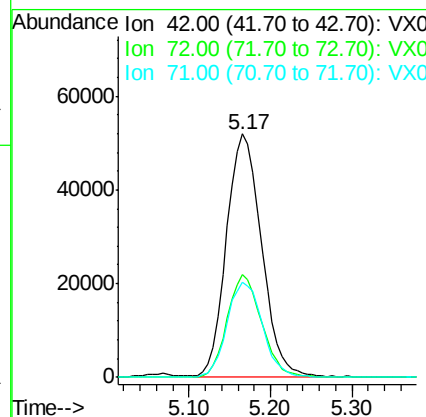
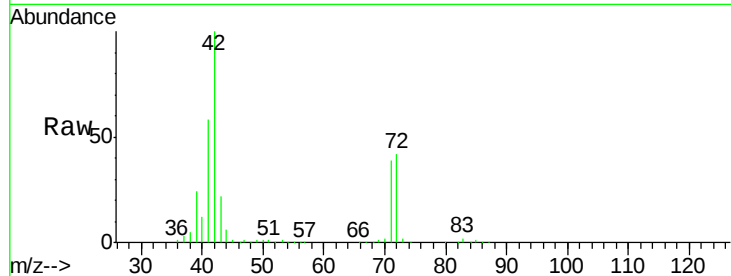
#29
Tetrahydrofuran
Concen: 96.83 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.0	48.0
71	39.6	30.1	45.1

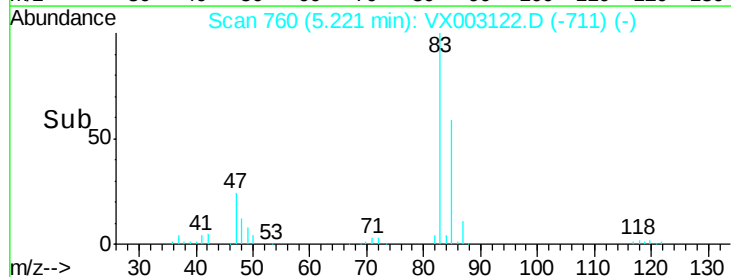
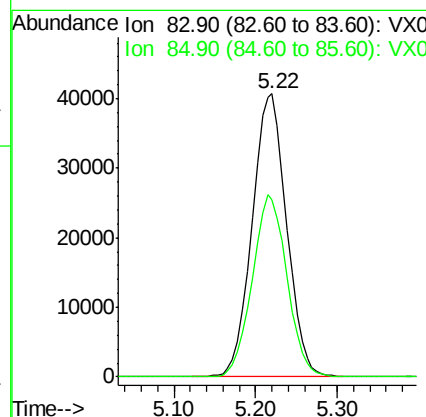
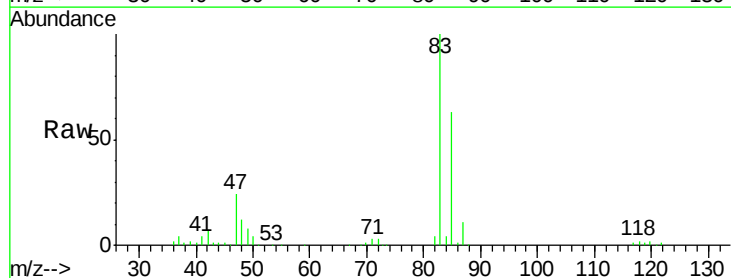
Manual Integrations
APPROVED

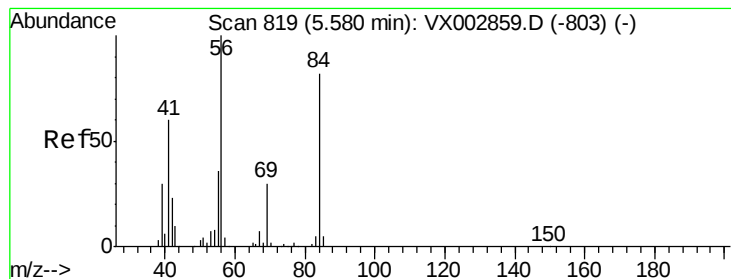
sam
7/3/2018 3:53:45 PM



#30
Chloroform
Concen: 19.79 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.4	75.6





#31

Cyclohexane

Concen: 20.47 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

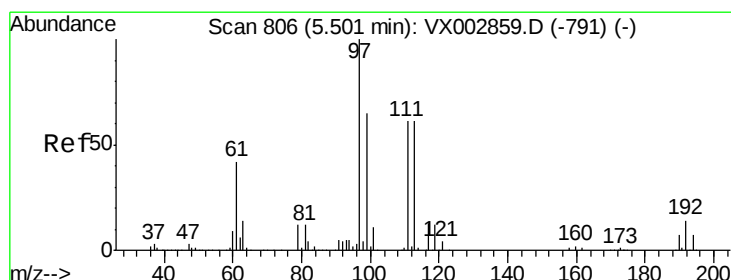
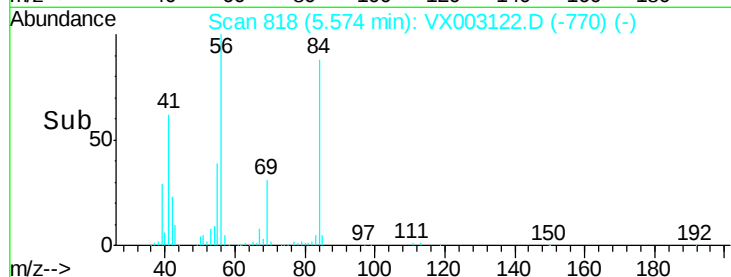
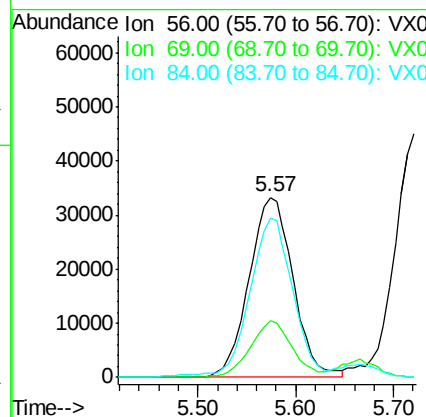
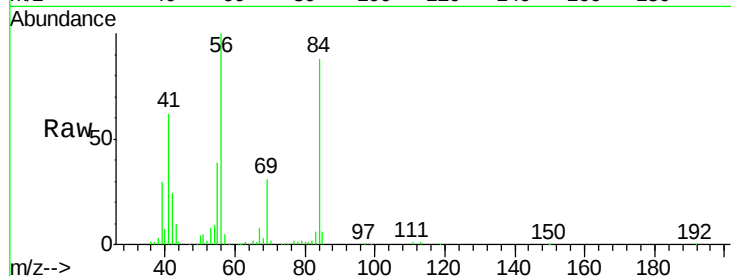
ClientSampled :

VX0702WBS01

Tot Ion:	56	Resp:	103435
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	86.9	64.1	96.1

Manual Integrations
APPROVED

Sam
7/3/2018 3:53:45 PM



#32

1,1,1-Trichloroethane

Concen: 19.79 ug/l

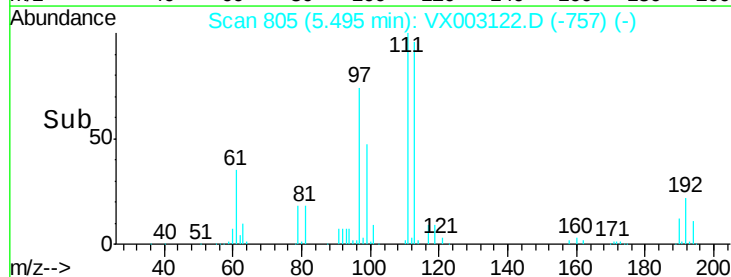
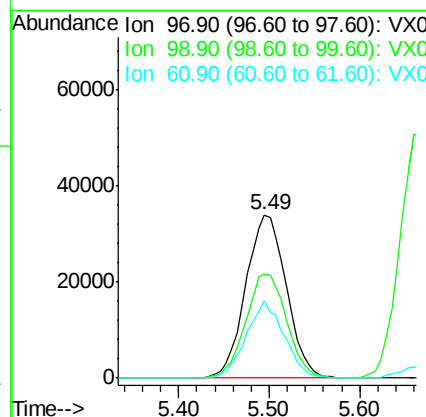
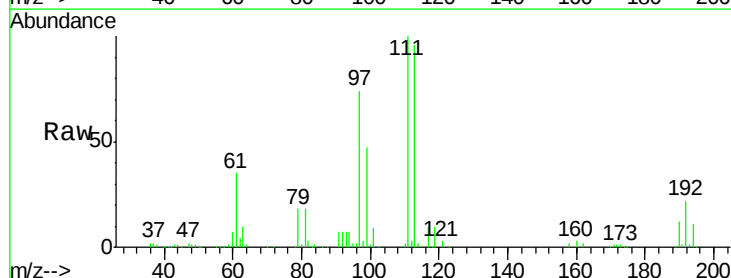
RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	97	Resp:	105234
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	44.0	36.4	54.6





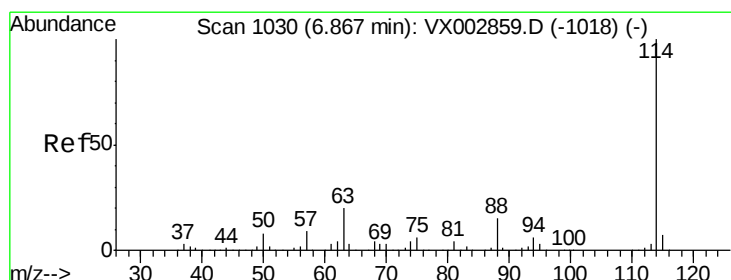
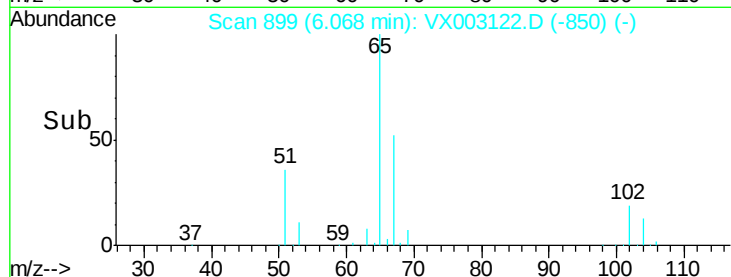
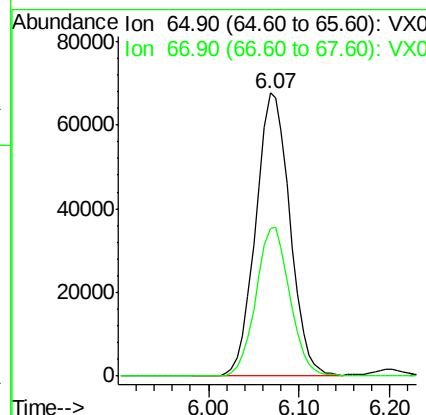
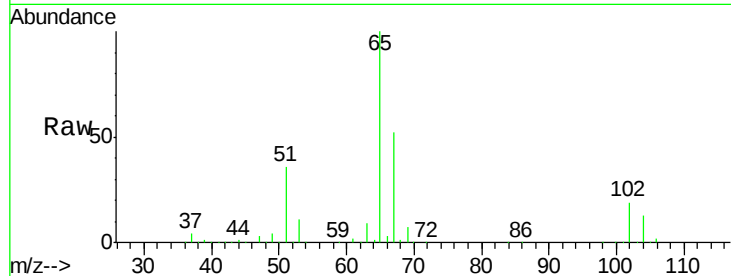
#33
 1,2-Dichloroethane-d4
 Concen: 43.87 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176782		
67	52.0	0.0	102.6	

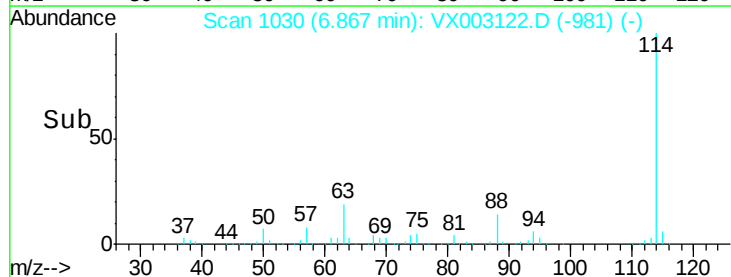
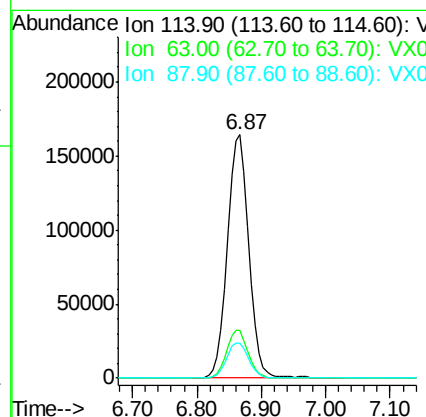
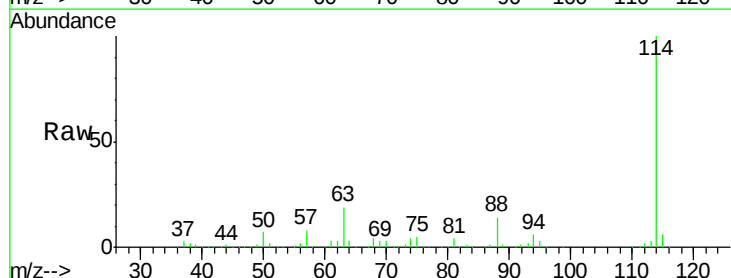
Manual Integrations
 APPROVED

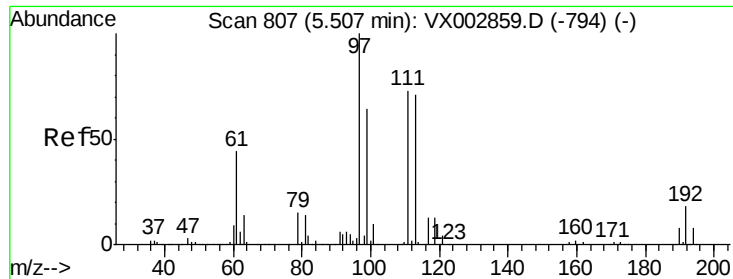
sam
 7/3/2018 3:53:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	388102		
63	19.4	0.0	41.4	
88	14.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 47.99 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

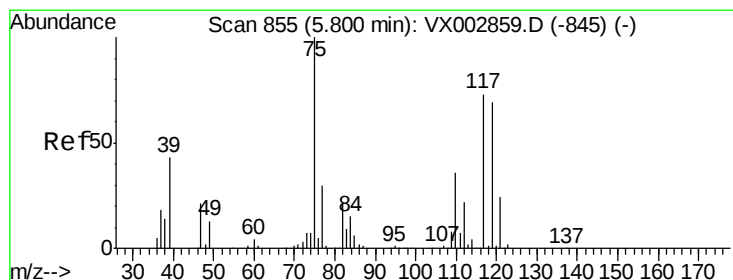
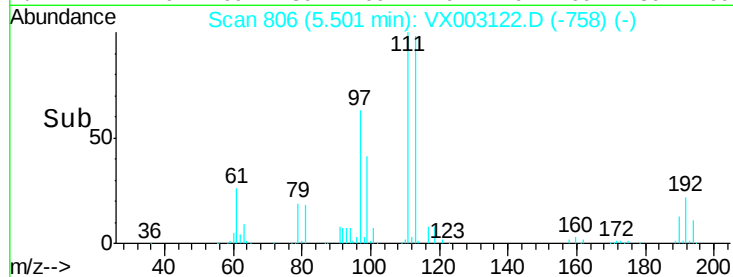
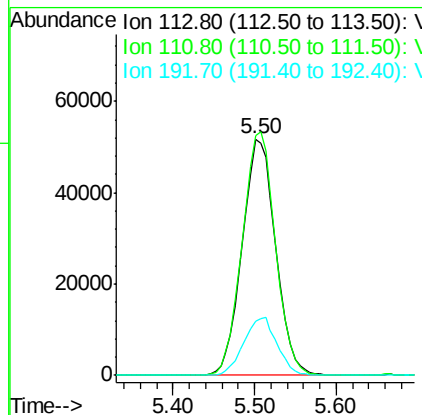
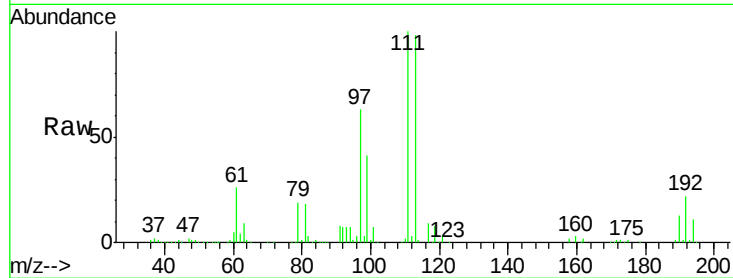
ClientSampled :

VX0702WBS01

Tot Ion:	113	Resp:	147493
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	24.6	19.1	28.7

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#36

1,1-Dichloropropene

Concen: 20.57 ug/l

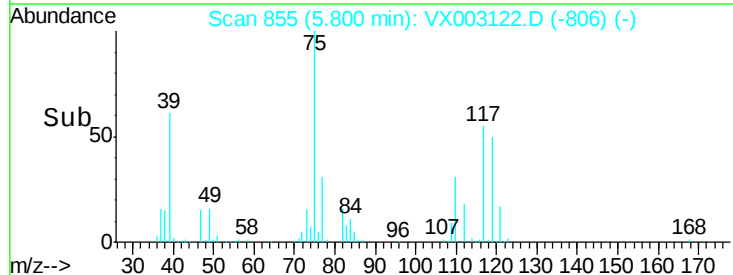
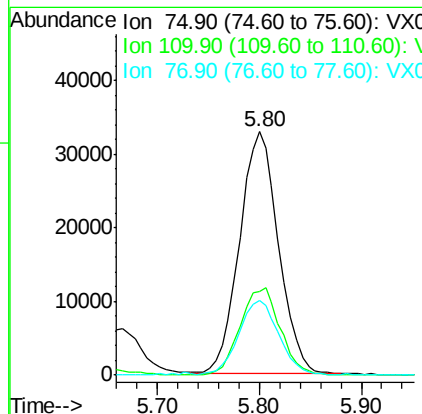
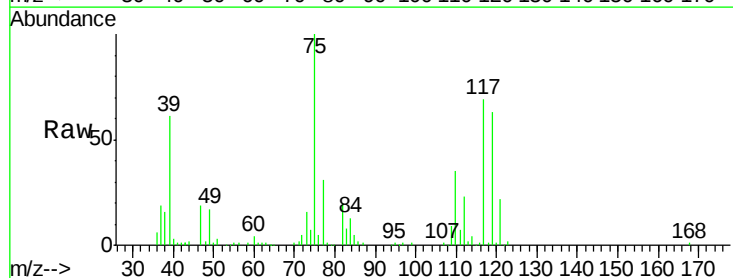
RT: 5.80 min Scan# 855

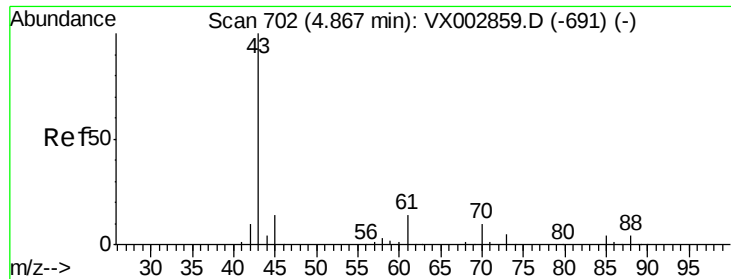
Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	75	Resp:	87543
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.1	54.4
77	30.8	24.3	36.5





#37

Ethyl Acetate

Concen: 20.52 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

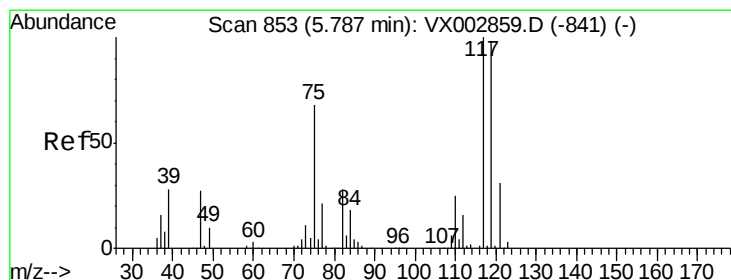
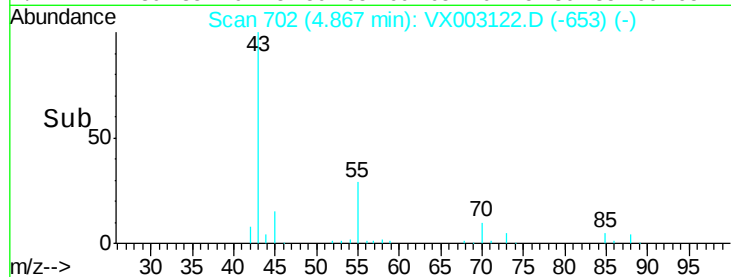
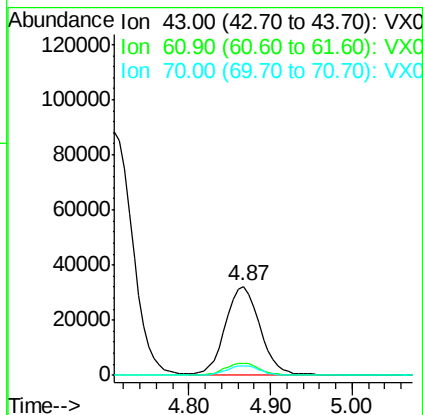
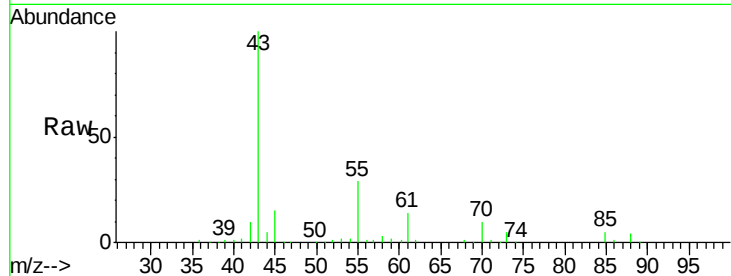
ClientSampled :

VX0702WBS01

Tot Ion:	43	Resp:	94040
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	10.2	7.6	11.4

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#38

Carbon Tetrachloride

Concen: 20.41 ug/l

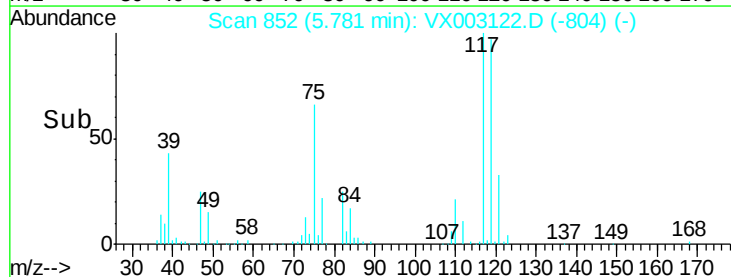
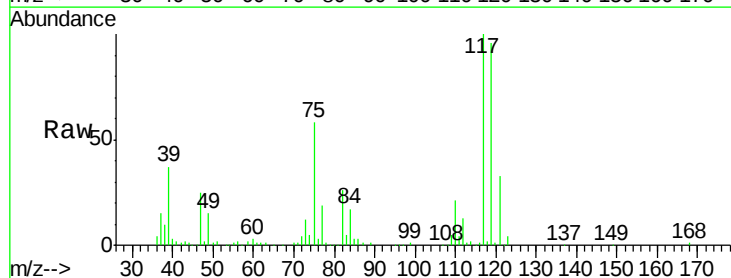
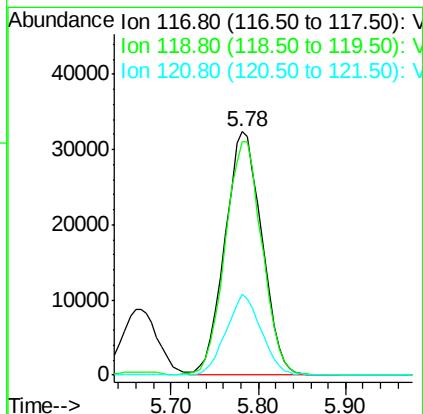
RT: 5.78 min Scan# 852

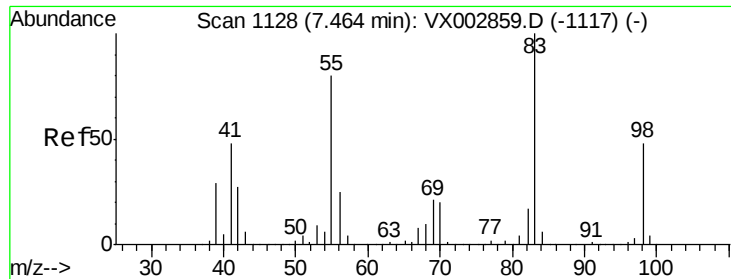
Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	117	Resp:	95311
Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	33.2	24.4	36.6





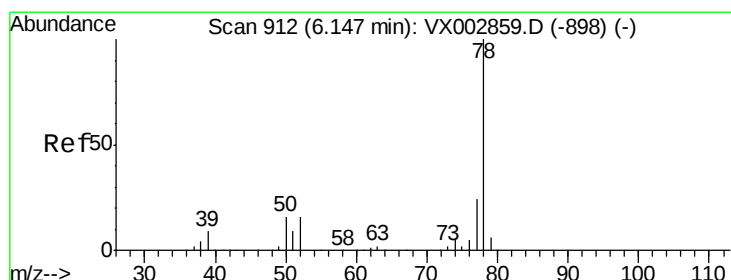
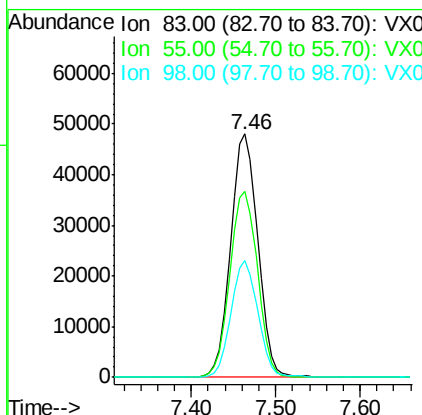
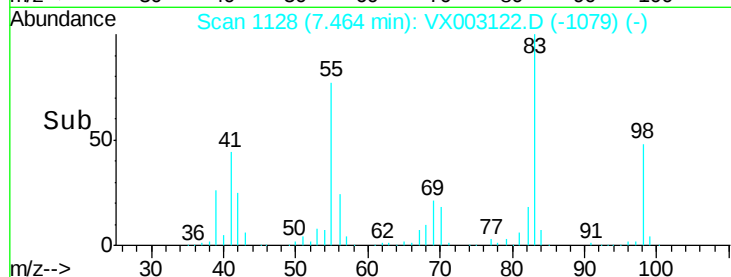
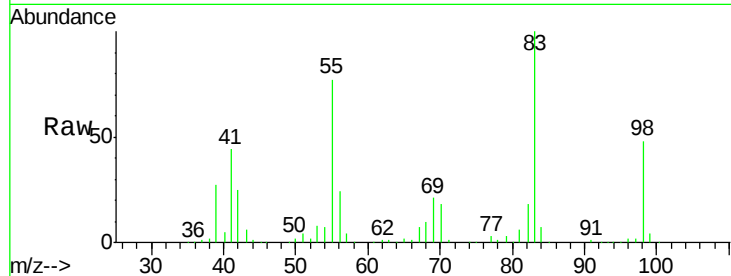
#39
Methvlcvclohexane
Concen: 21.12 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.7	65.4	98.0	
98	48.3	37.4	56.0	

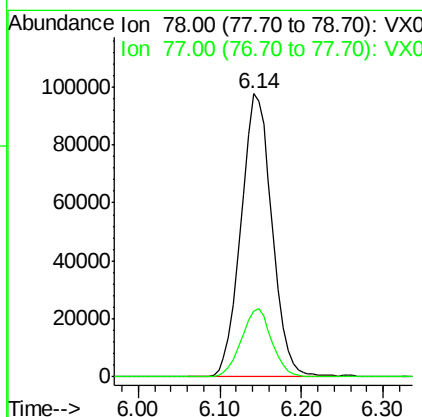
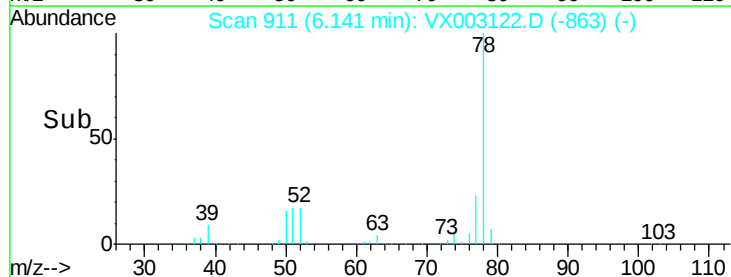
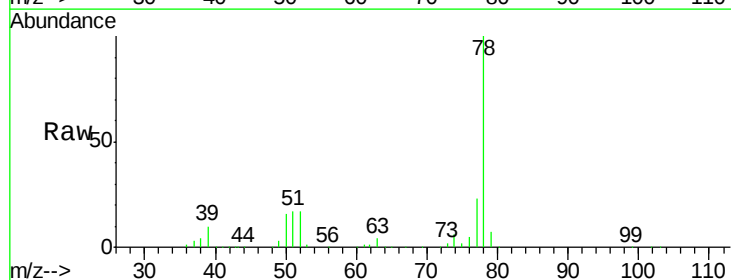
Manual Integrations
APPROVED

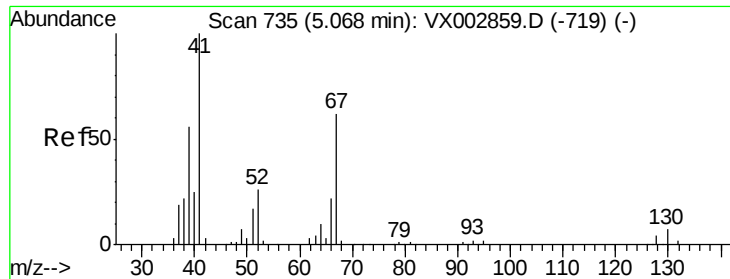
sam
7/3/2018 3:53:45 PM



#40
Benzene
Concen: 20.86 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	19.1	28.7	





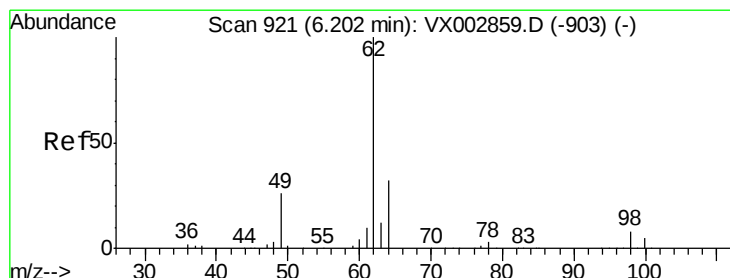
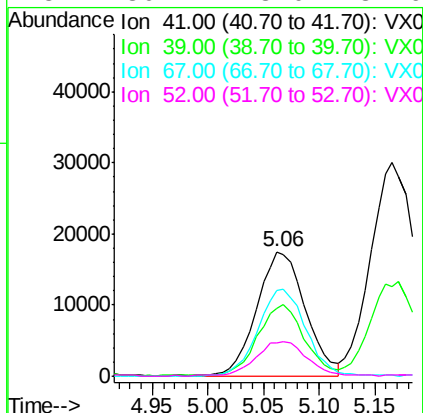
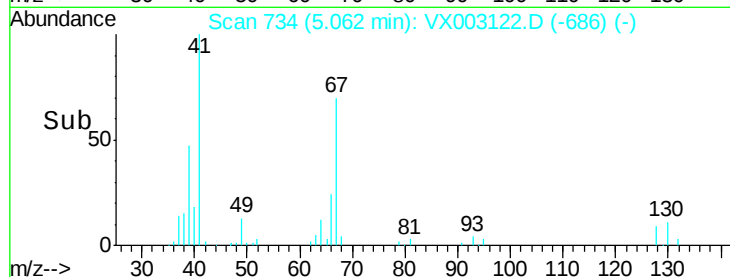
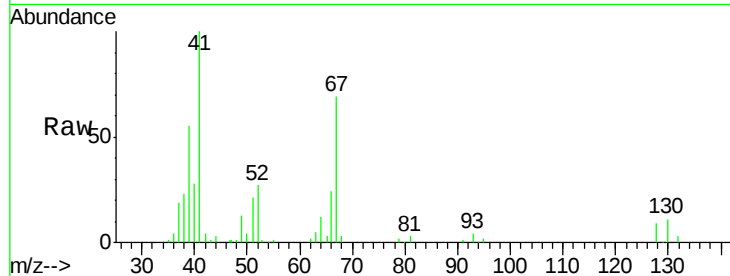
#41
Methacrylonitrile
Concen: 19.93 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion:	41	Resp:	52604
Ion	Ratio	Lower	Upper
41	100		
39	55.0	45.8	68.6
67	69.8	51.3	76.9
52	30.1	23.0	34.6

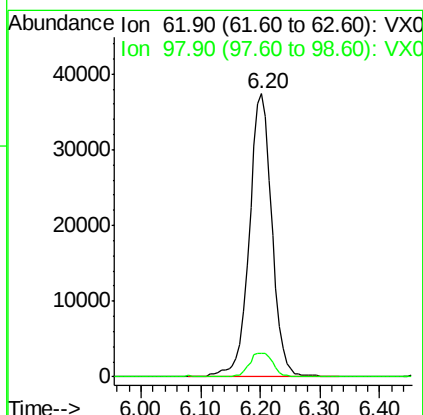
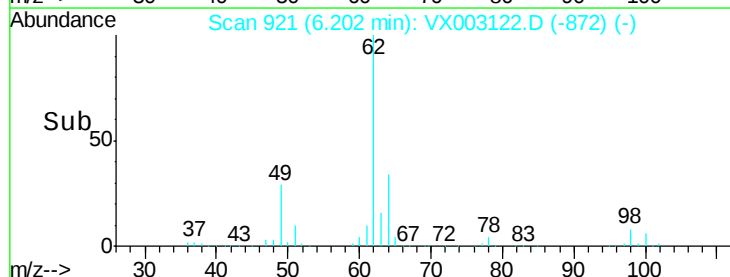
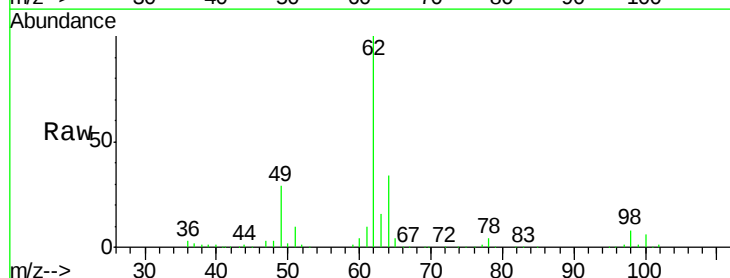
Manual Integrations
APPROVED

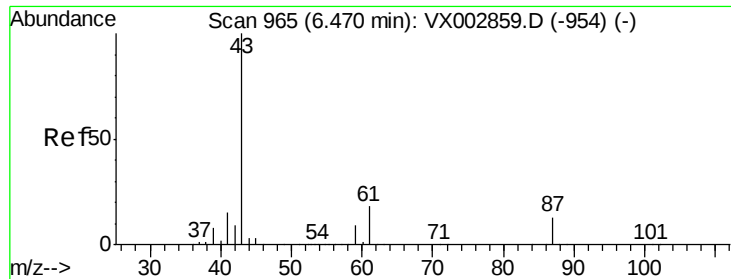
sam
7/3/2018 3:53:45 PM



#42
1,2-Dichloroethane
Concen: 19.69 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion:	62	Resp:	98351
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

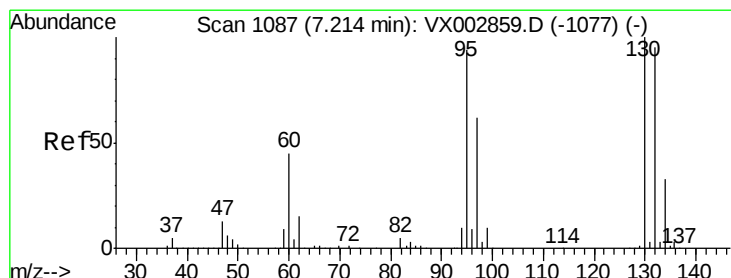
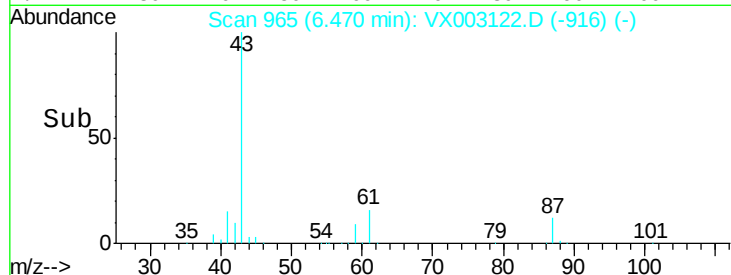
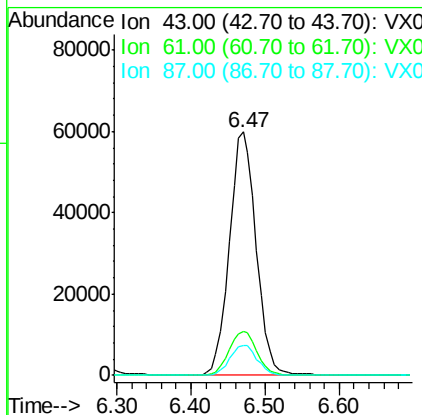
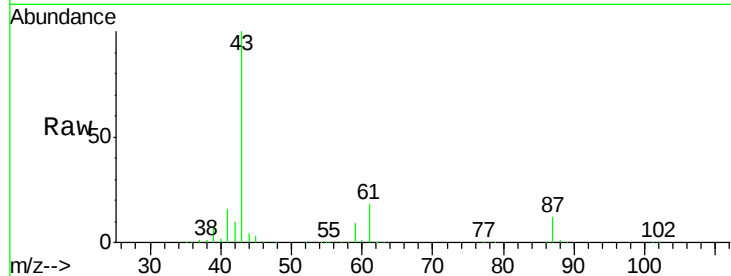
Isopropyl Acetate
 Concen: 19.43 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	12.8	9.5	14.3

Manual Integrations
 APPROVED

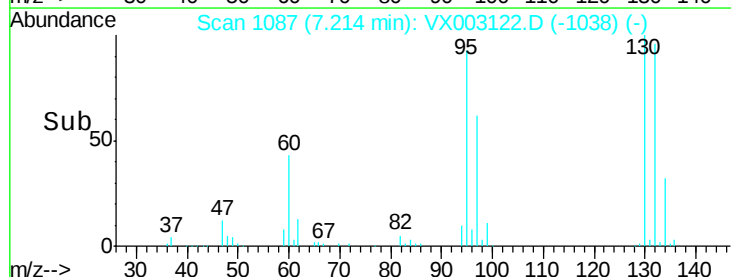
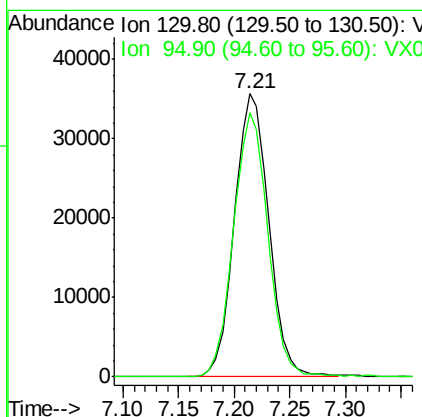
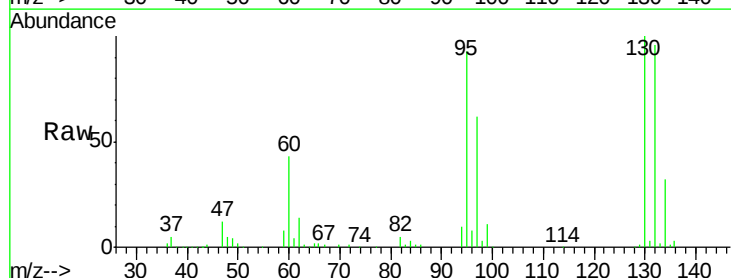
sam
 7/3/2018 3:53:45 PM



#44

Trichloroethene
 Concen: 20.72 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	185.4





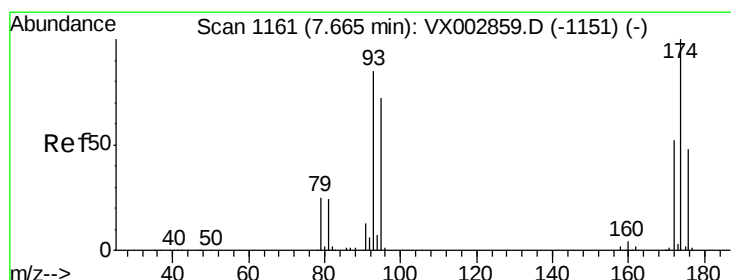
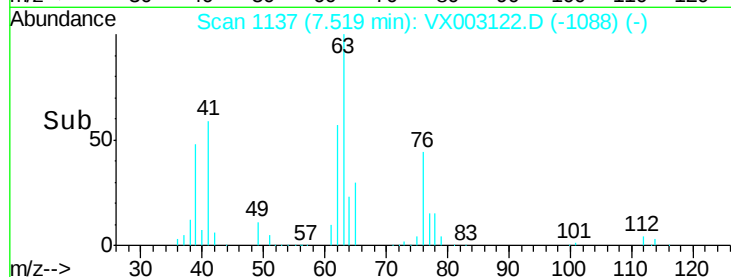
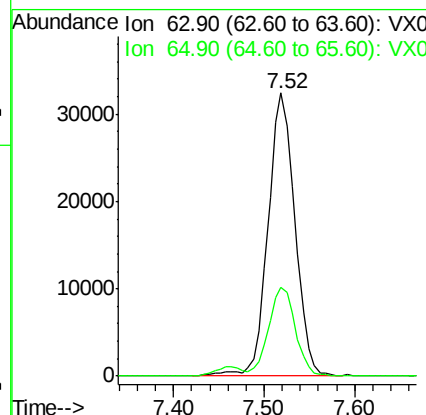
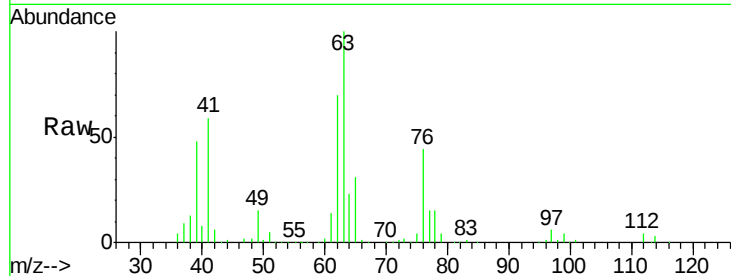
#45
 1,2-Dichloropropane
 Concen: 20.35 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion: 63 Resp: 66770
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

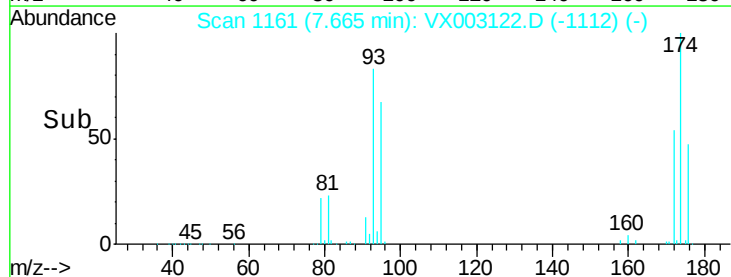
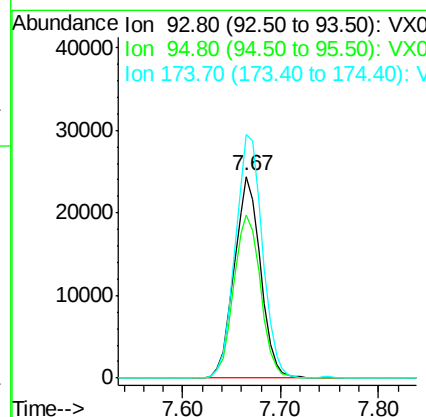
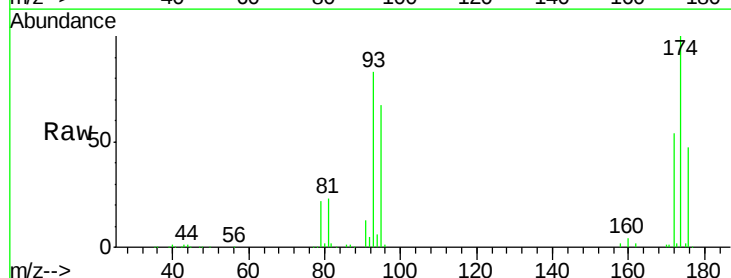
Manual Integrations
 APPROVED

sam
 7/3/2018 3:53:45 PM



#46
 Dibromomethane
 Concen: 19.98 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion: 93 Resp: 45478
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.9 98.9
 174 124.5 92.4 138.6





#47

Bromodichloromethane

Concen: 20.25 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

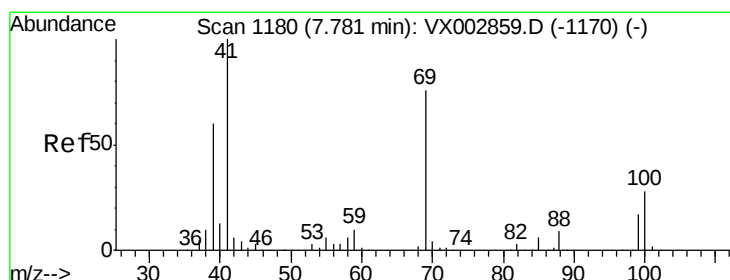
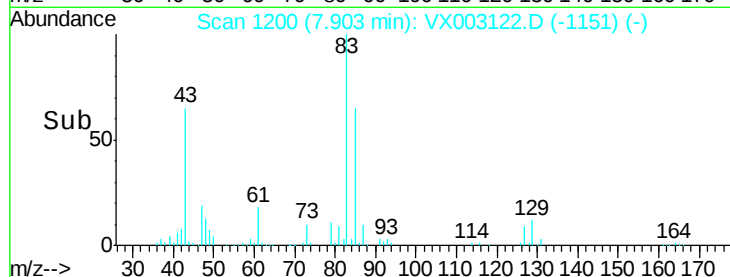
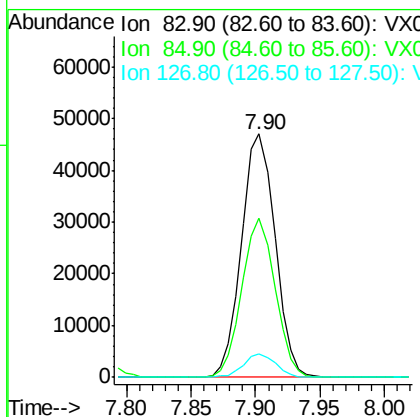
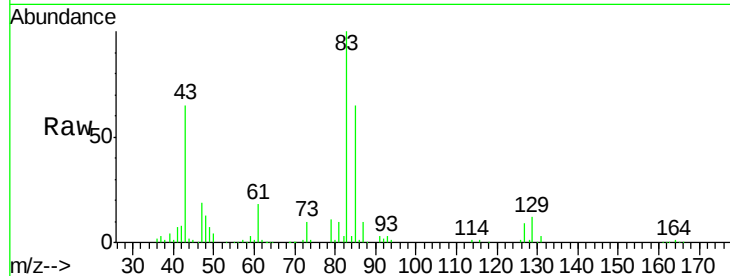
ClientSampleId :

VX0702WBS01

Tot Ion:	83	Resp:	85215
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#48

Methyl methacrylate

Concen: 19.10 ug/l

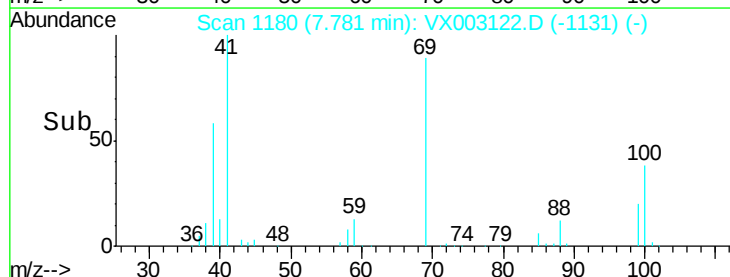
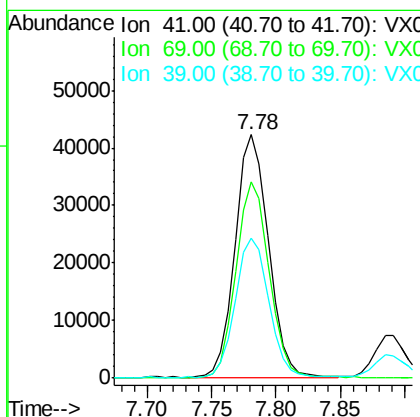
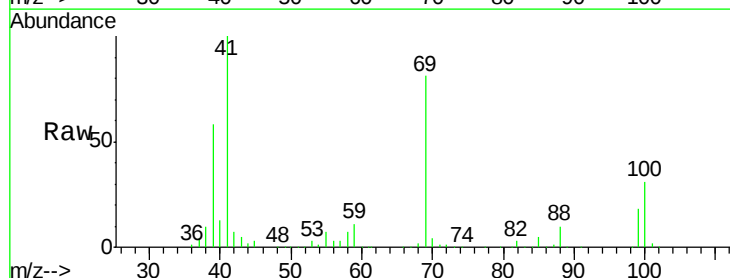
RT: 7.78 min Scan# 1180

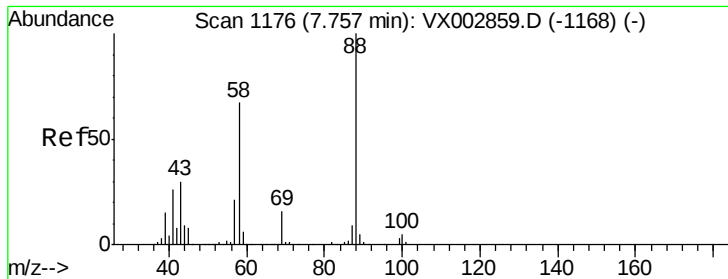
Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	41	Resp:	75632
Ion	Ratio	Lower	Upper
41	100		
69	81.3	59.1	88.7
39	57.9	48.9	73.3





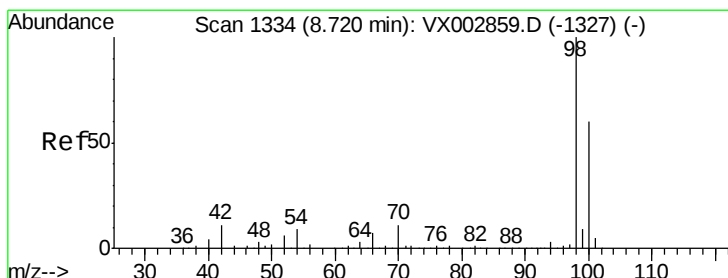
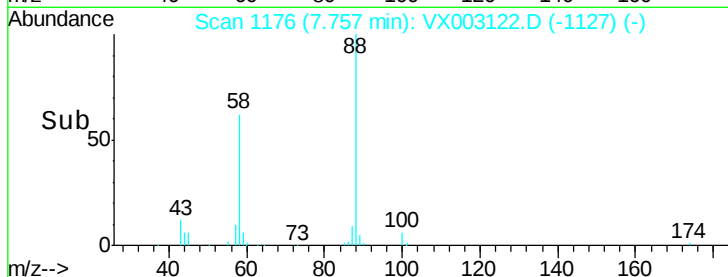
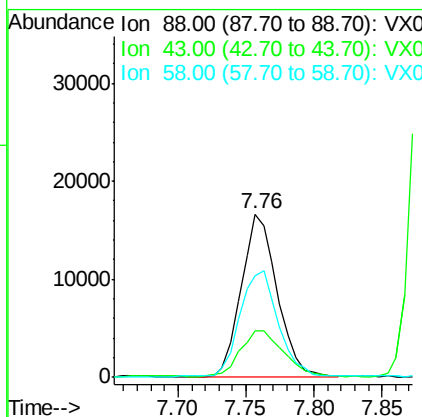
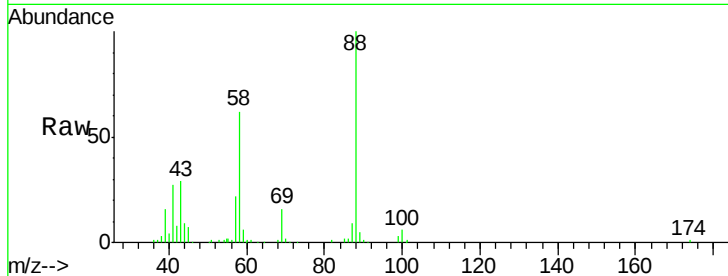
#49
1,4-Dioxane
Concen: 400.69 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.6
58	71.4	57.1	85.7

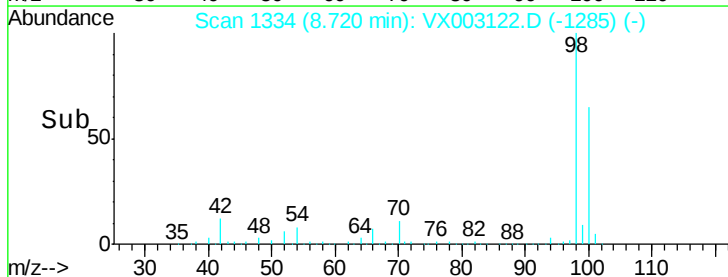
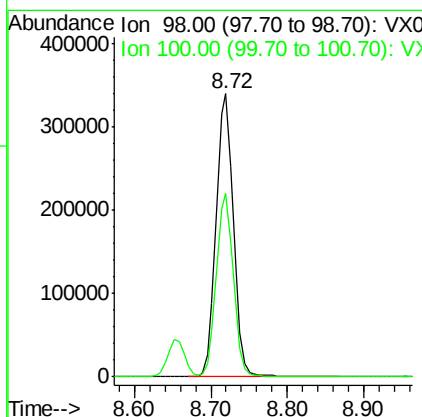
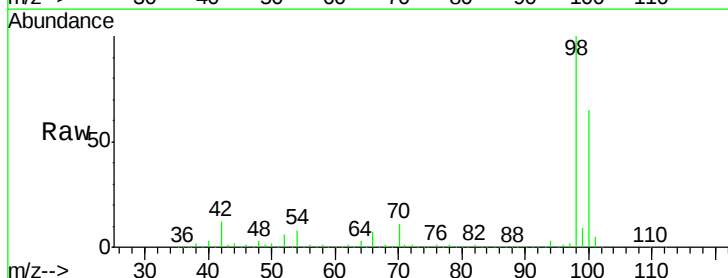
Manual Integrations
APPROVED

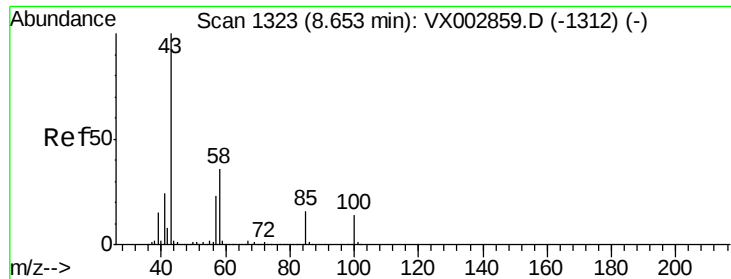
sam
7/3/2018 3:53:45 PM



#50
Toluene-d8
Concen: 47.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 98.92 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 43 Resp: 475649

Ion Ratio Lower Upper

43 100

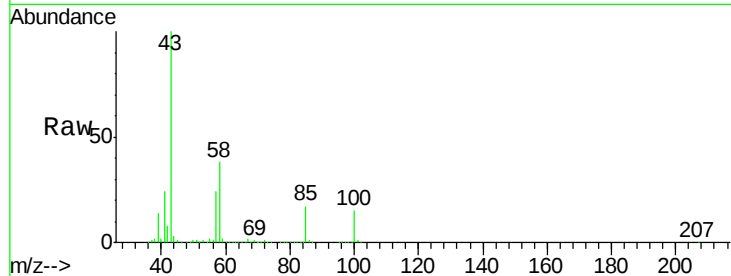
58 37.0 28.6 42.8

Manual Integrations

APPROVED

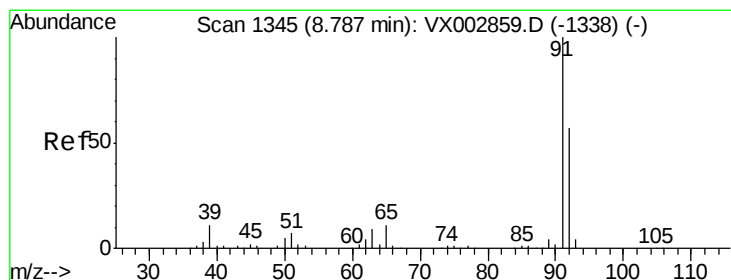
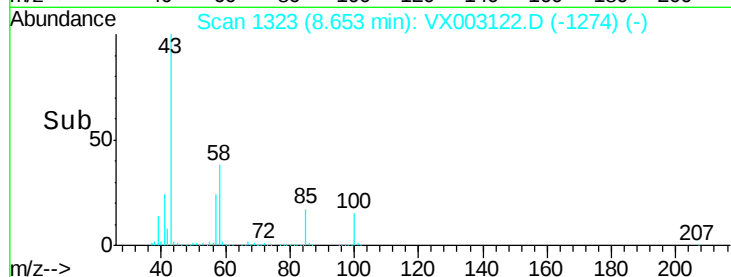
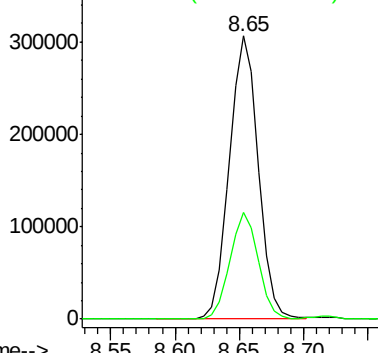
sam

7/3/2018 3:53:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003122.D

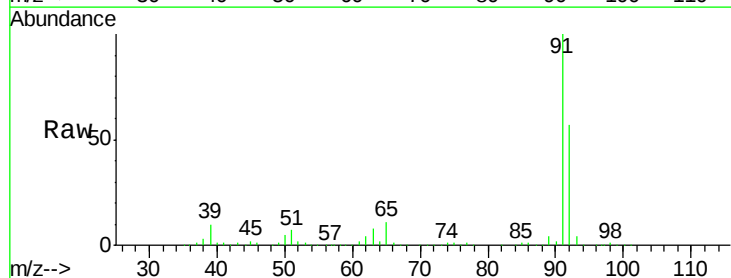
Acq: 02 Jul 2018 12:56

Tgt Ion: 92 Resp: 165522

Ion Ratio Lower Upper

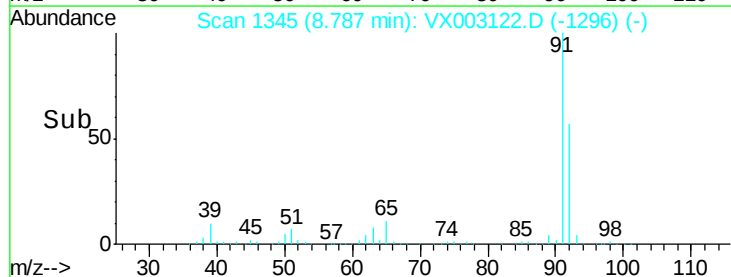
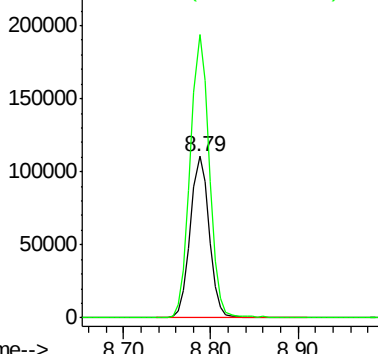
92 100

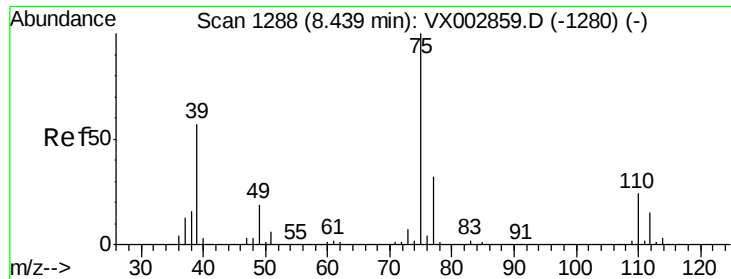
91 177.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





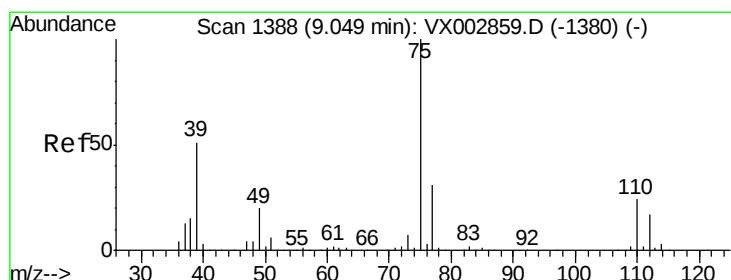
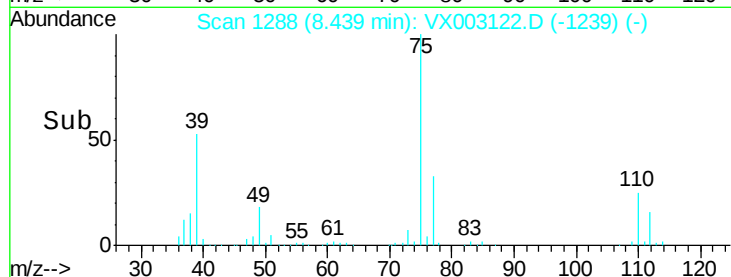
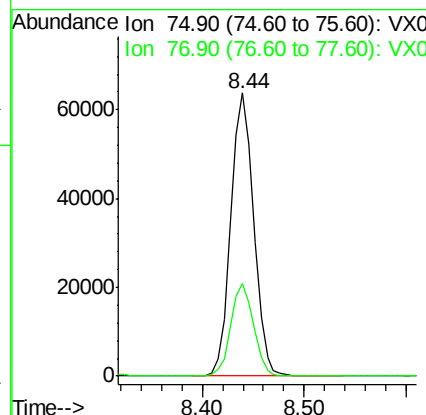
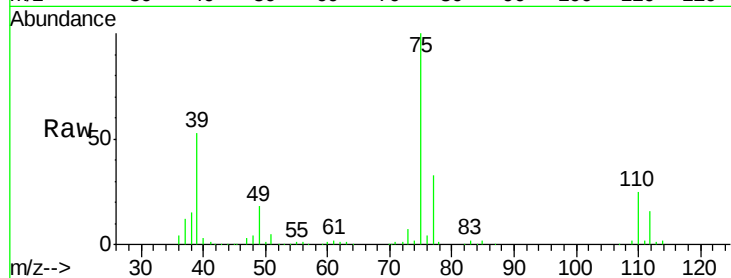
#53
t-1,3-Dichloropropene
Concen: 20.73 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.2

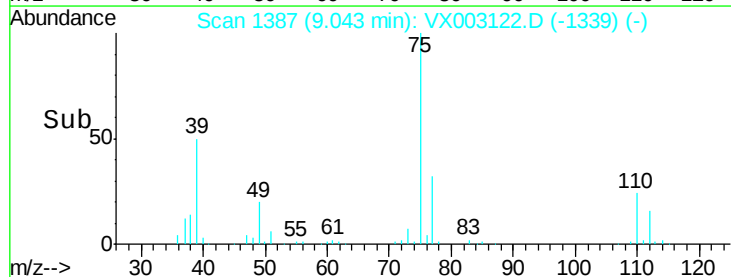
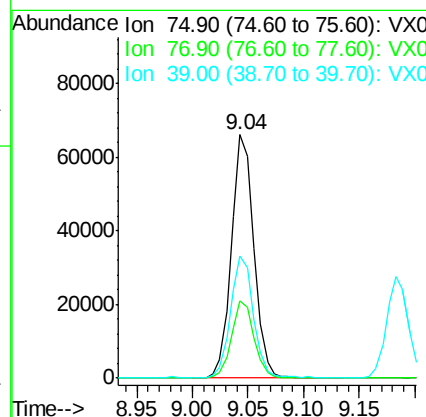
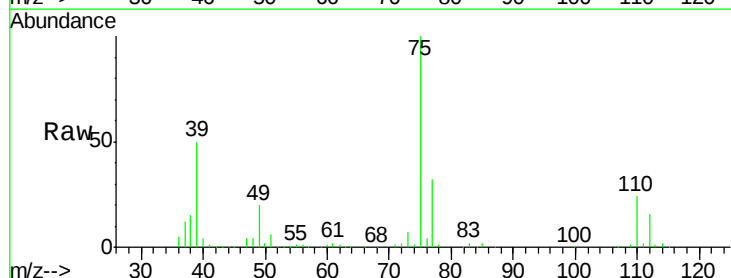
Manual Integrations
APPROVED

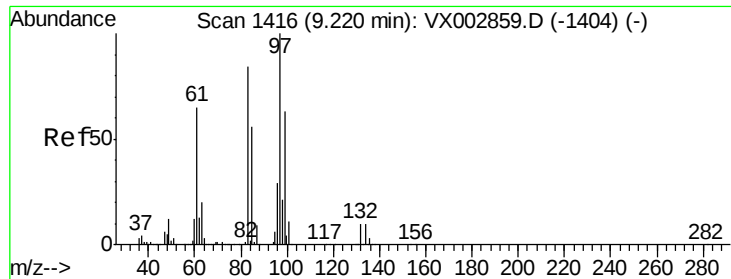
sam
7/3/2018 3:53:45 PM



#54
cis-1,3-Dichloropropene
Concen: 20.09 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	50.0	42.4	63.6





#55

1,1,2-Trichloroethane

Concen: 20.69 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

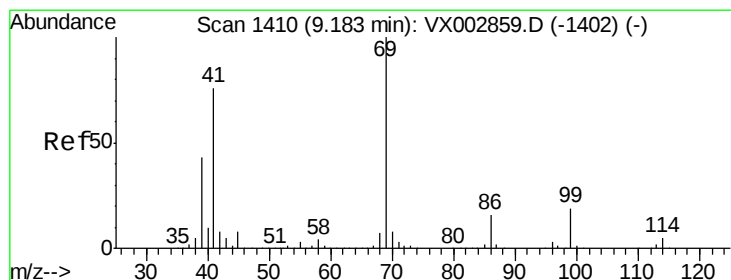
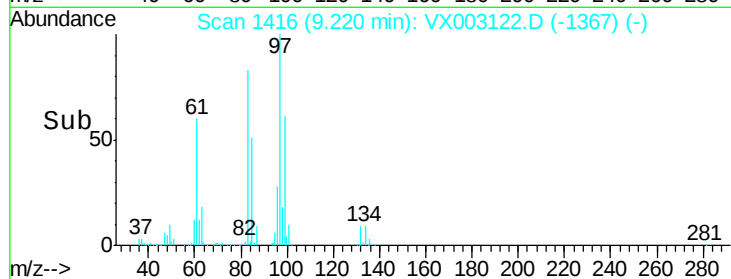
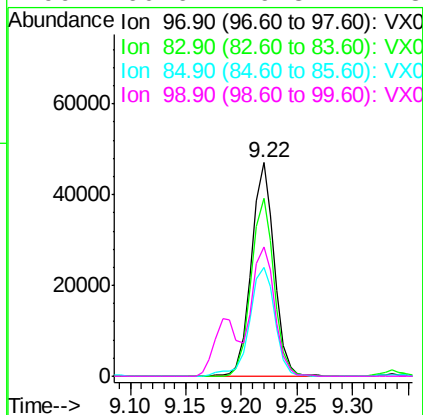
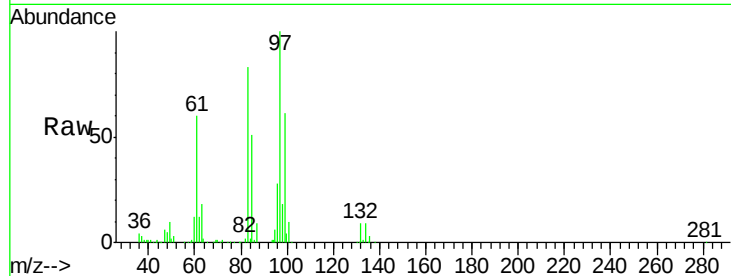
ClientSampleId :

VX0702WBS01

Tot Ion:	97	Resp:	67344
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.2
85	51.1	44.9	67.3
99	60.6	49.8	74.8

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#56

Ethyl methacrylate

Concen: 20.20 ug/l

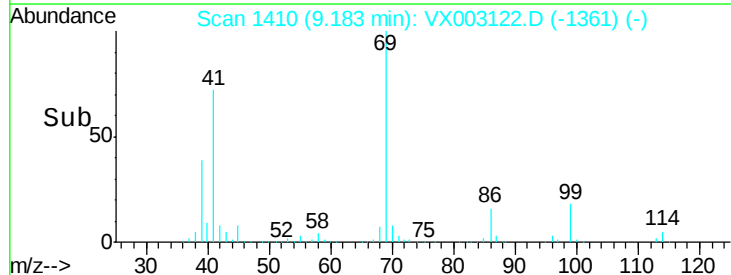
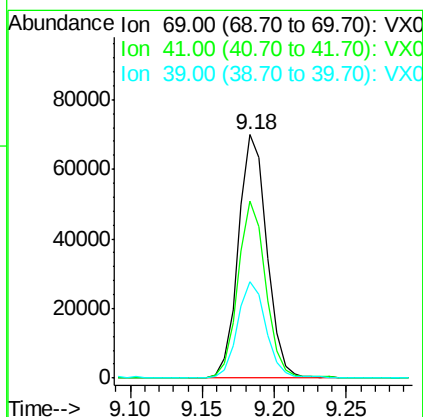
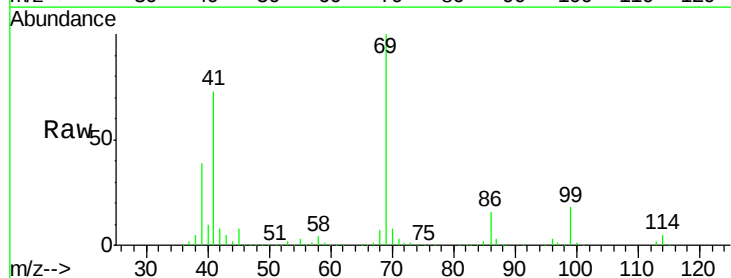
RT: 9.18 min Scan# 1410

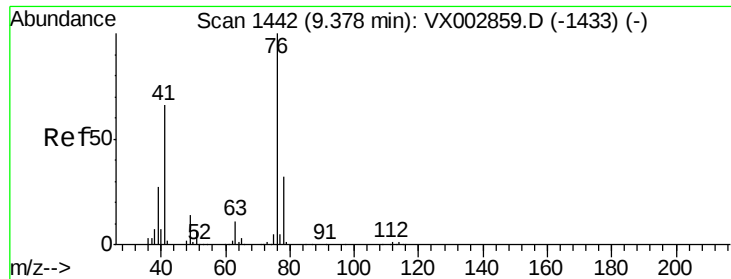
Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	69	Resp:	96118
Ion	Ratio	Lower	Upper
69	100		
41	71.0	60.3	90.5
39	39.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.29 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 76 Resp: 108490

Ion Ratio Lower Upper

76 100

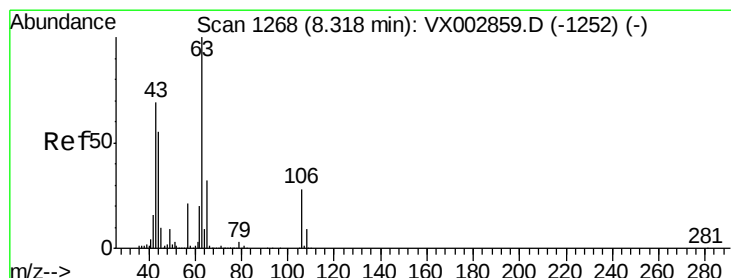
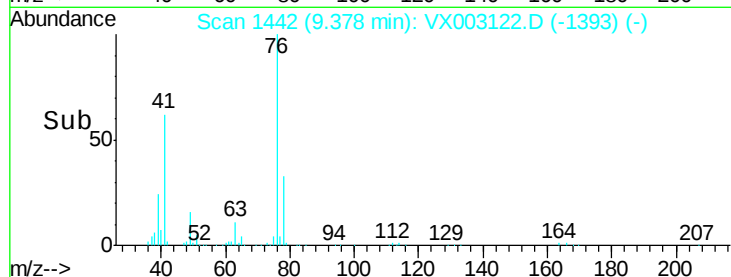
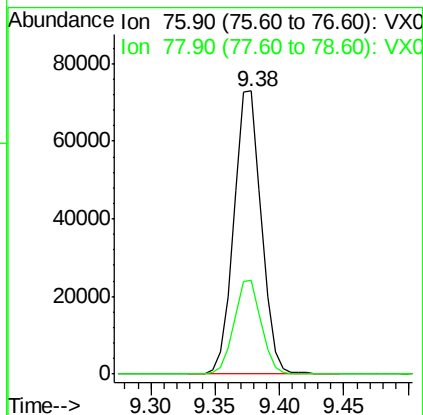
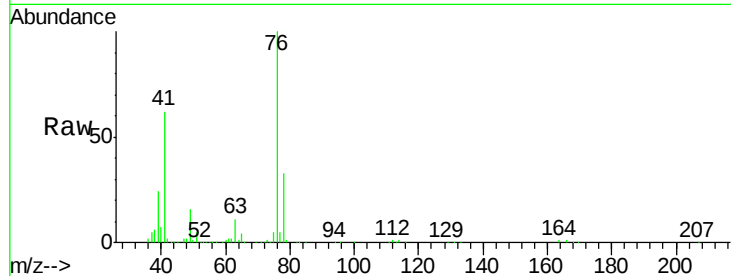
78 32.8 25.8 38.6

Manual Integrations

APPROVED

sam

7/3/2018 3:53:45 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.50 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003122.D

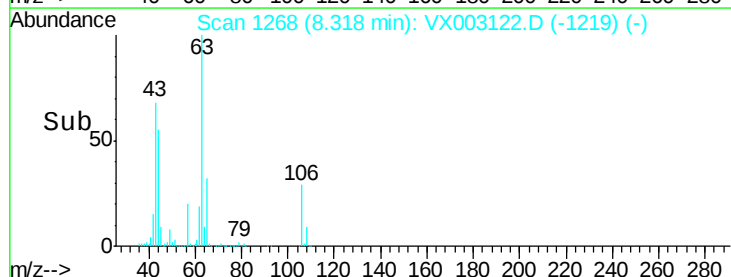
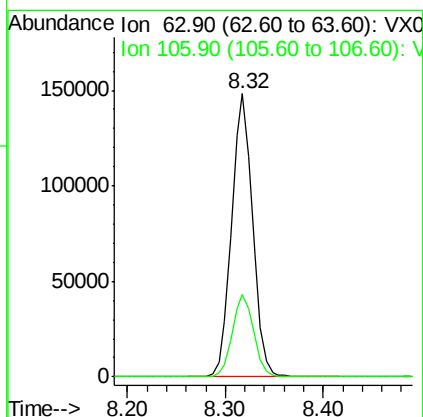
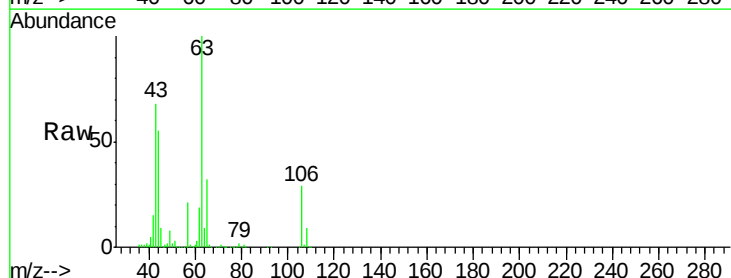
Acq: 02 Jul 2018 12:56

Tgt Ion: 63 Resp: 221491

Ion Ratio Lower Upper

63 100

106 29.1 21.8 32.8





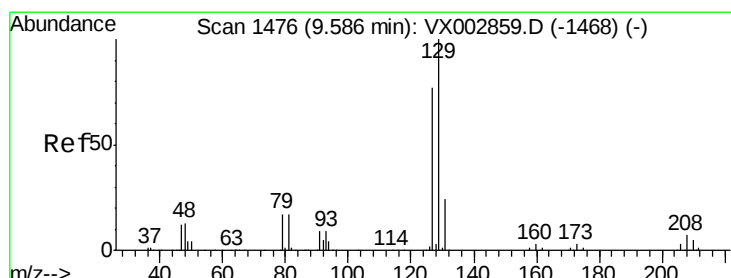
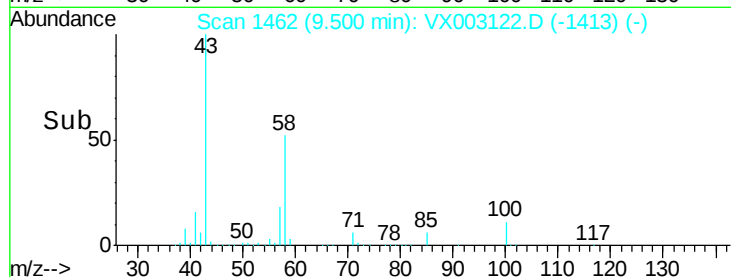
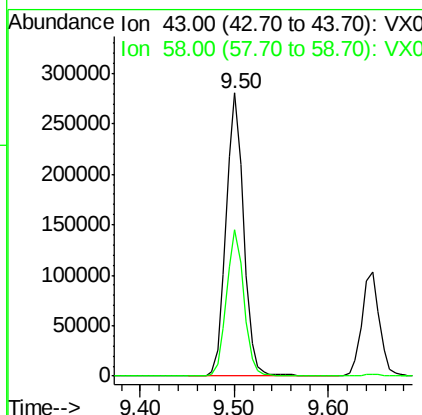
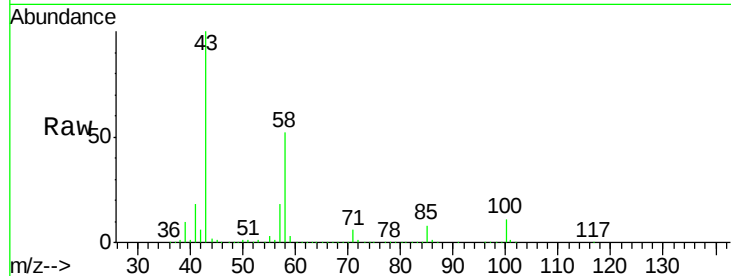
#59
2-Hexanone
Concen: 99.90 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion: 43 Resp: 365076
Ion Ratio Lower Upper
43 100
58 51.4 24.6 73.6

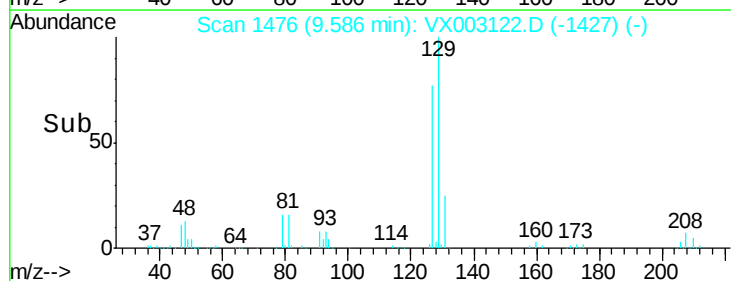
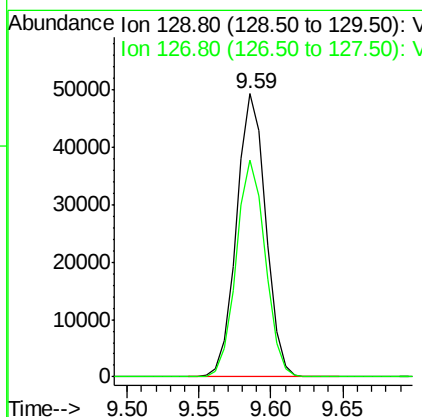
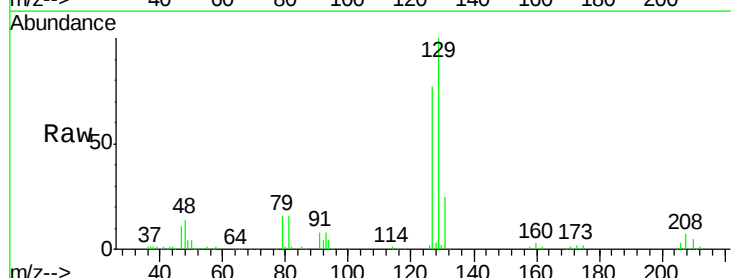
Manual Integrations
APPROVED

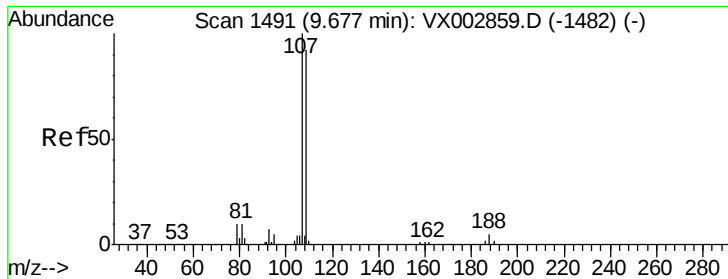
sam
7/3/2018 3:53:45 PM



#60
Dibromochloromethane
Concen: 20.39 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion: 129 Resp: 69863
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.70 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion:107 Resp: 70677

Ion Ratio Lower Upper

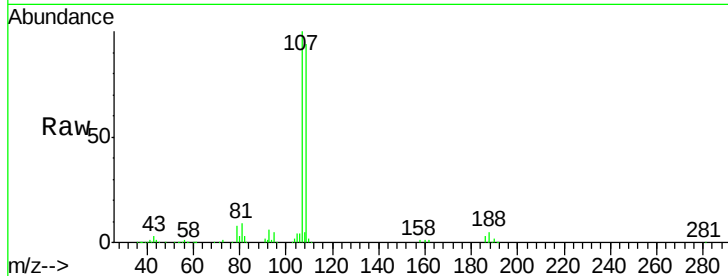
107 100

109 94.9 75.3 112.9

Manual Integrations
APPROVED

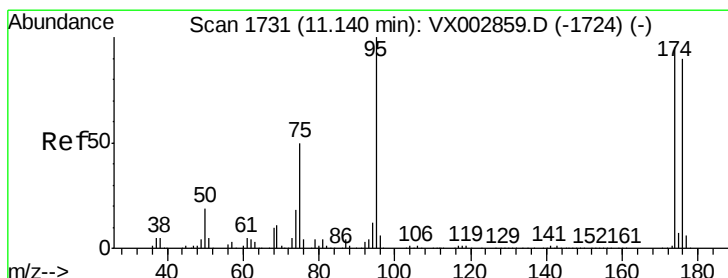
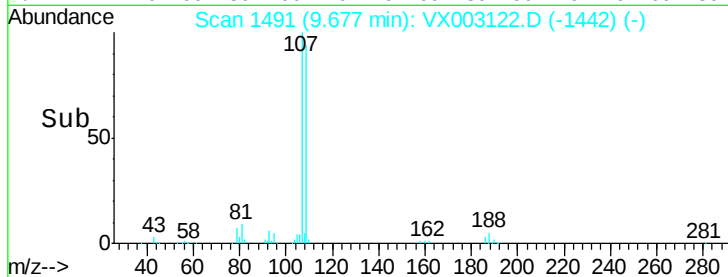
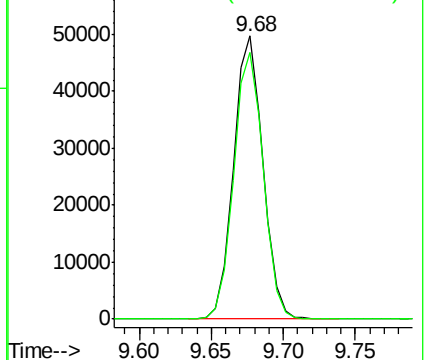
sam

7/3/2018 3:53:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

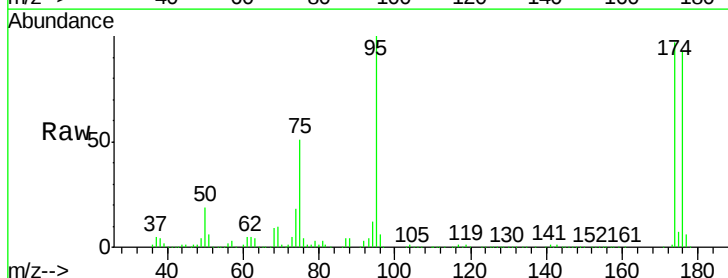
Tgt Ion: 95 Resp: 201511

Ion Ratio Lower Upper

95 100

174 98.2 0.0 187.4

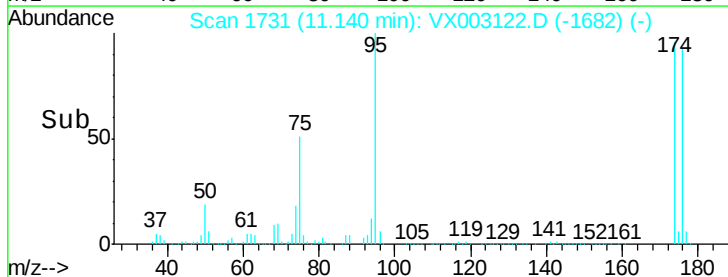
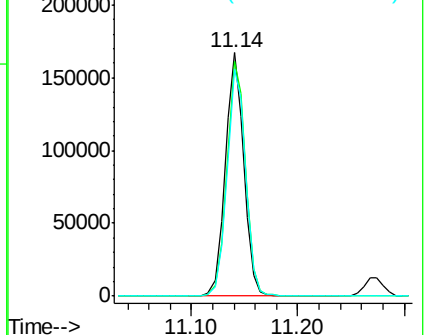
176 95.1 0.0 181.0

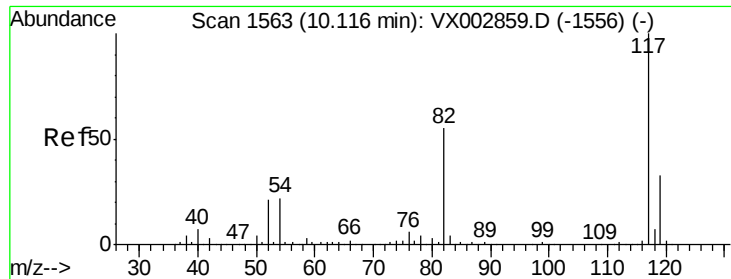


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





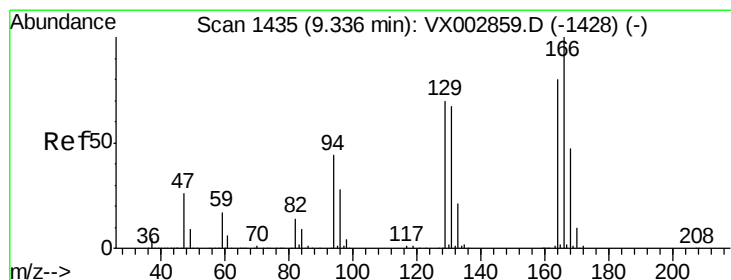
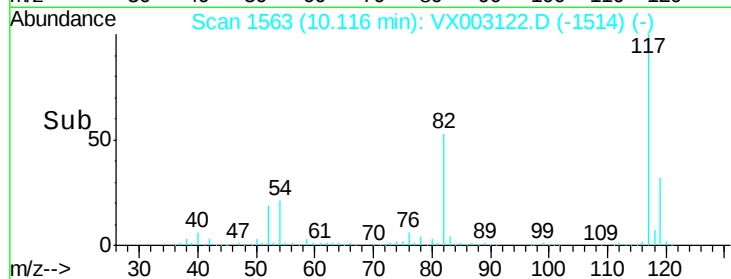
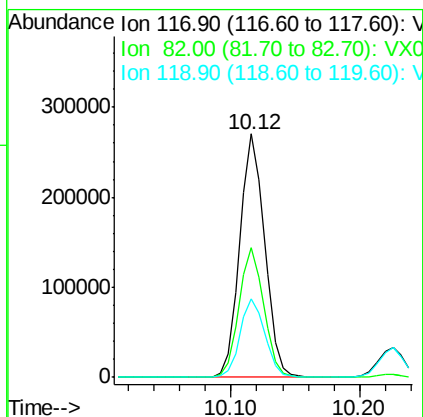
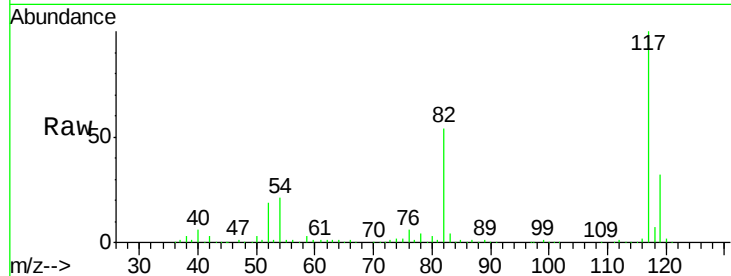
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.0	67.4
119	32.4	25.8	38.6

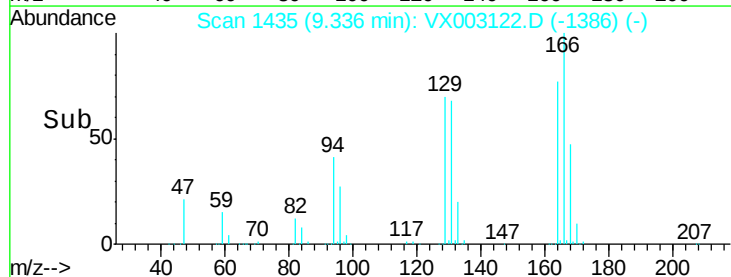
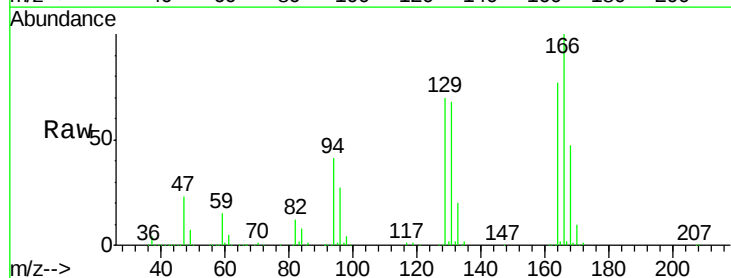
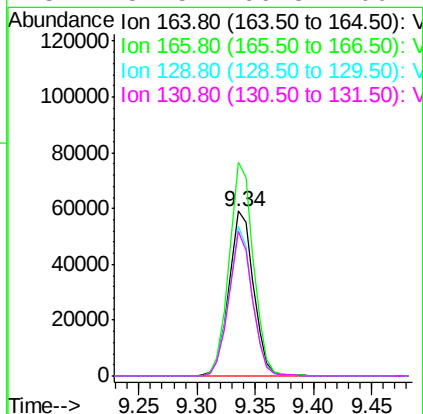
Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#64
Tetrachloroethene
Concen: 21.53 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.9	154.3
129	90.7	68.6	102.8
131	87.5	66.8	100.2





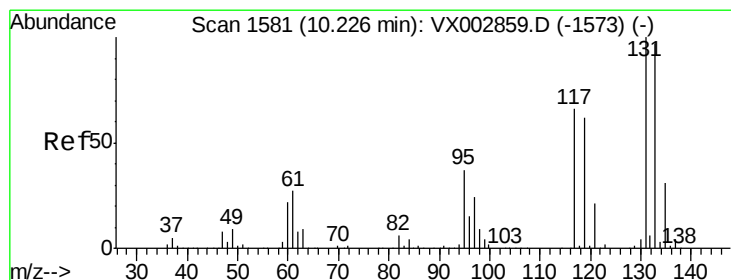
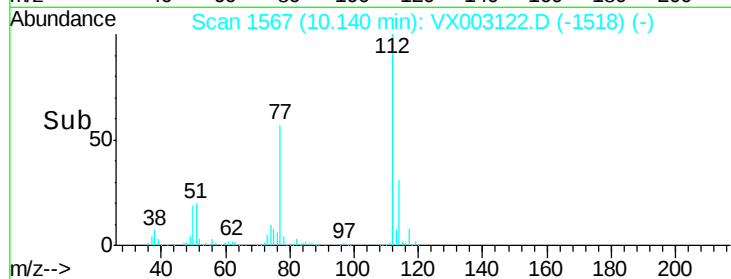
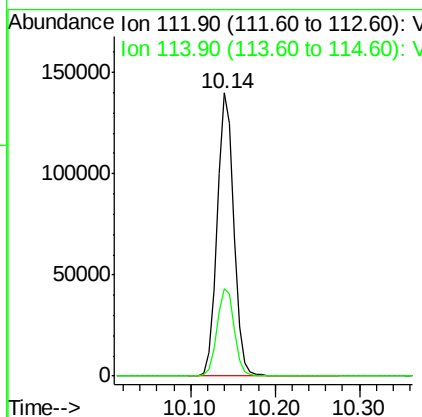
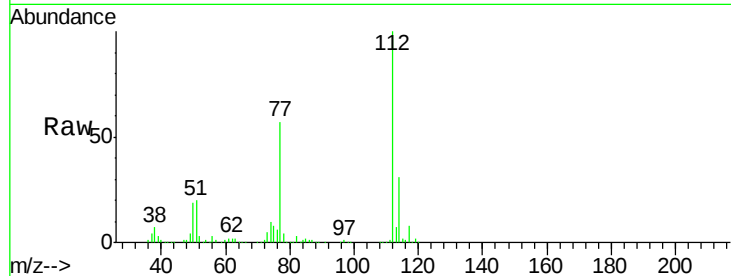
#65
Chlorobenzene
Concen: 20.85 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.3	37.9

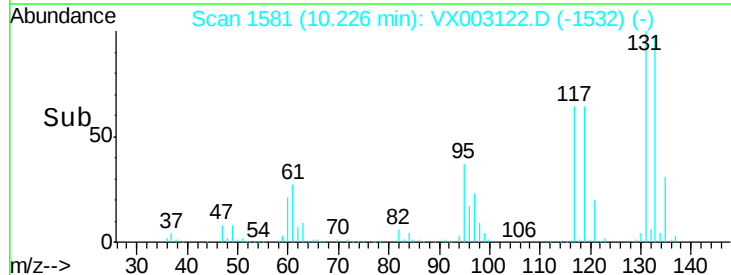
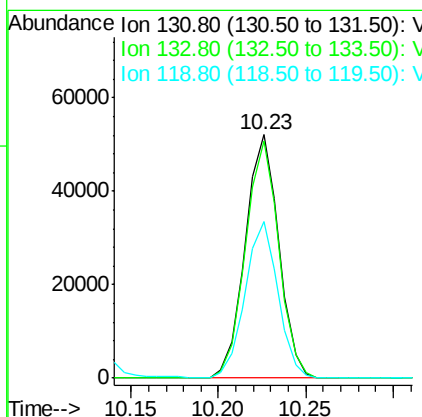
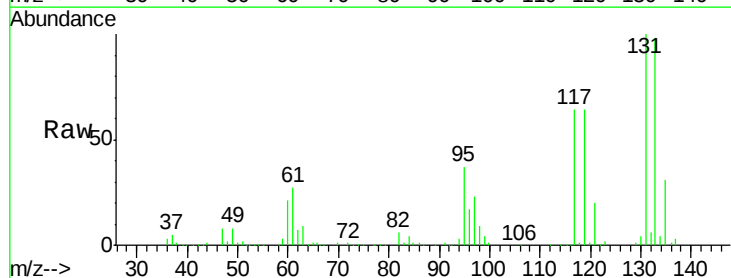
Manual Integrations
APPROVED

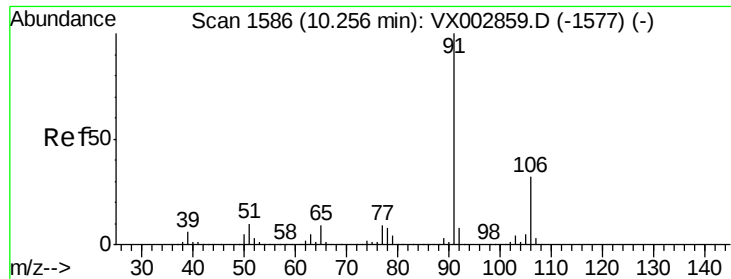
sam
7/3/2018 3:53:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.9	143.6
119	63.1	31.8	95.3





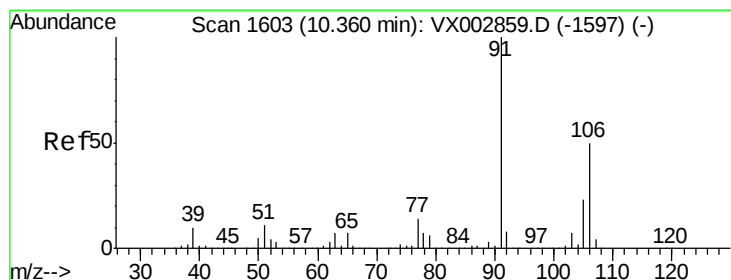
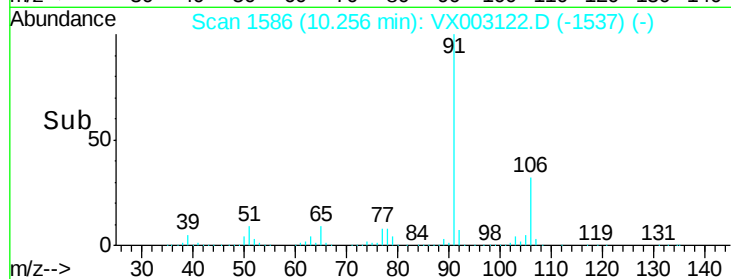
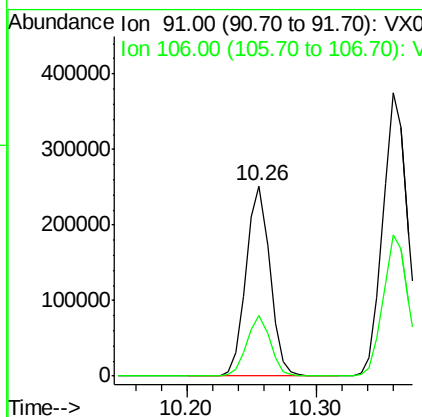
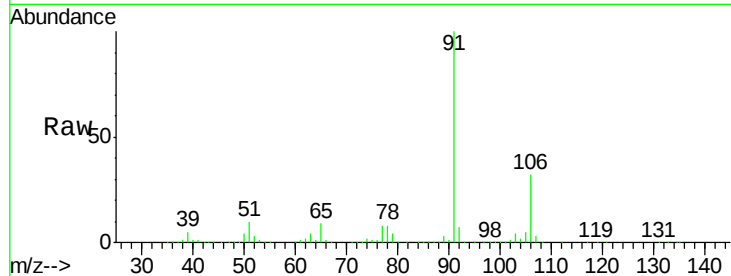
#67
Ethyl Benzene
Concen: 21.12 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion: 91 Resp: 321641
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3

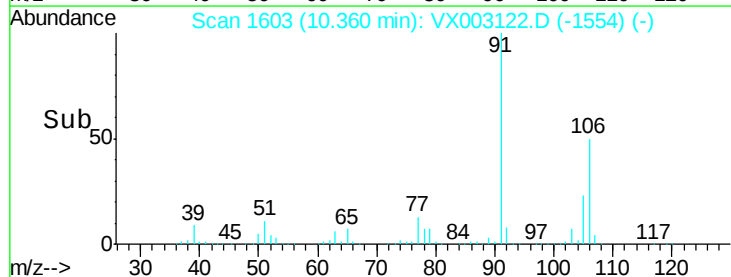
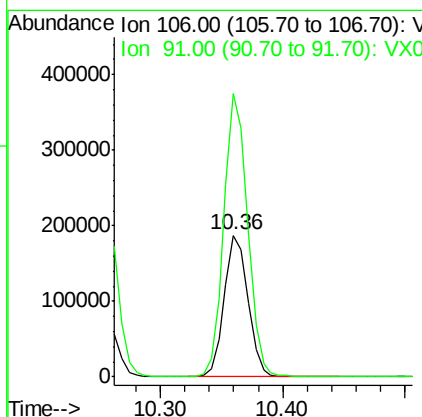
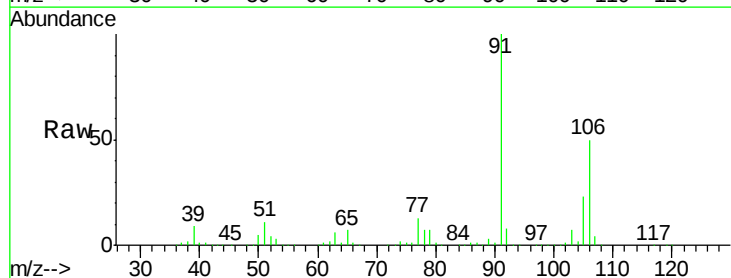
Manual Integrations
APPROVED

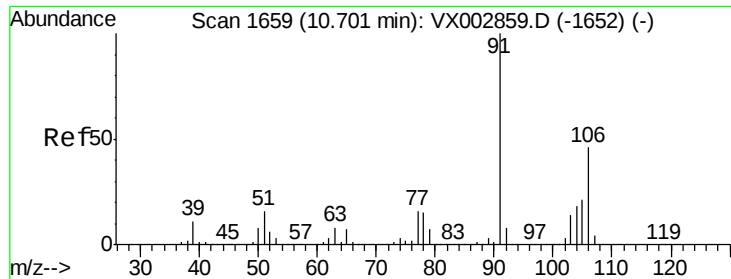
Sam
7/3/2018 3:53:45 PM



#68
m/p-Xylenes
Concen: 42.79 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion: 106 Resp: 251176
Ion Ratio Lower Upper
106 100
91 201.0 163.4 245.2





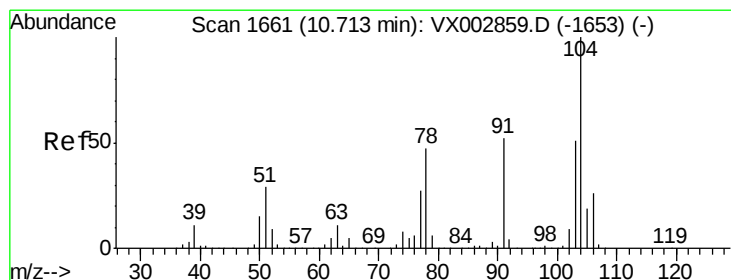
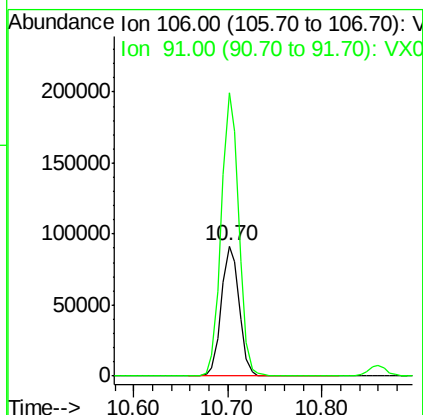
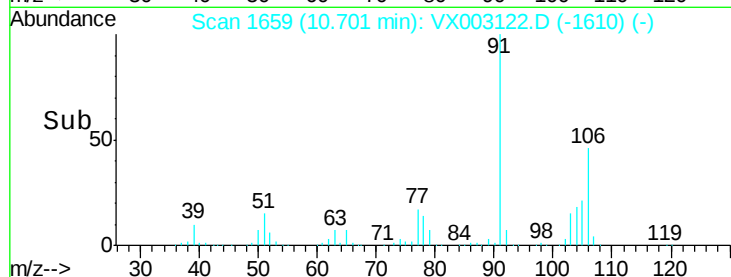
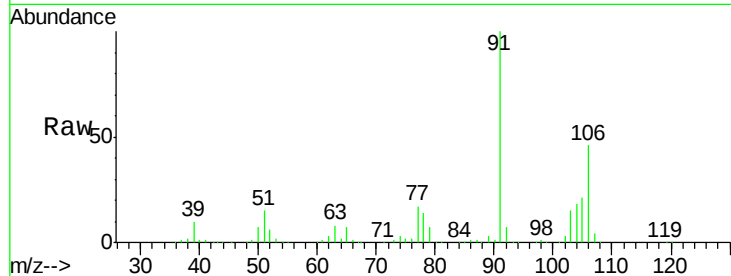
#69
o-Xylene
Concen: 21.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion:106 Resp: 120733
Ion Ratio Lower Upper
106 100
91 213.9 108.2 324.6

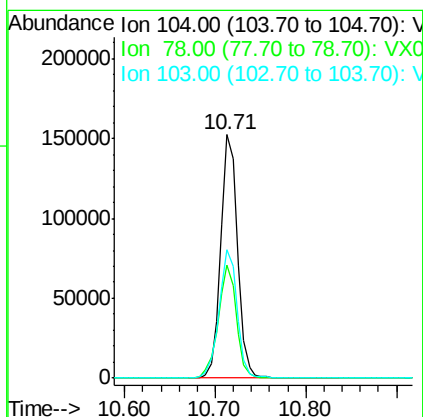
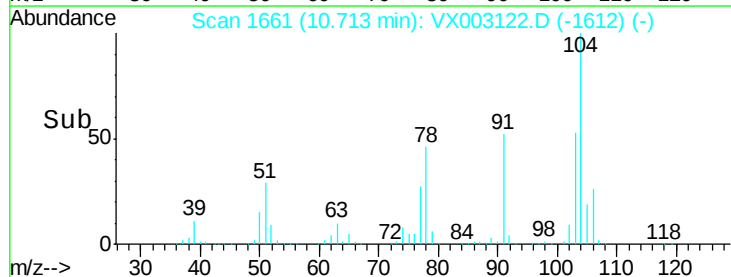
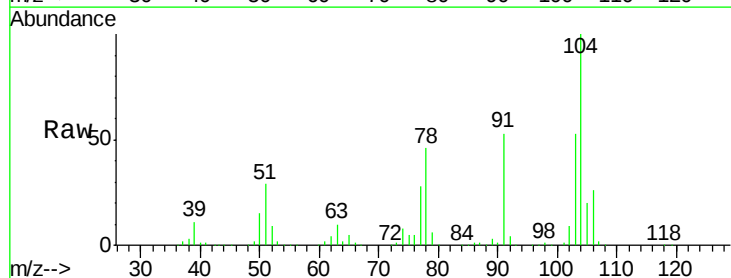
Manual Integrations
APPROVED

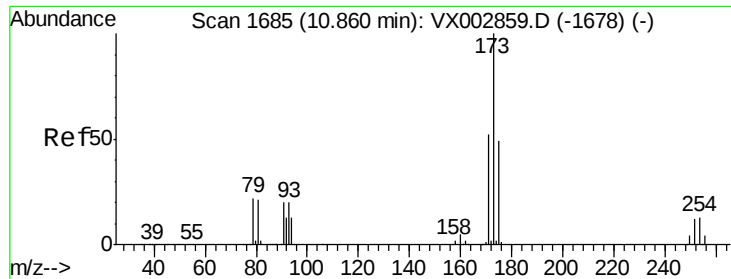
sam
7/3/2018 3:53:45 PM



#70
Styrene
Concen: 21.35 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion:104 Resp: 198283
Ion Ratio Lower Upper
104 100
78 50.3 41.0 61.6
103 56.9 44.2 66.4





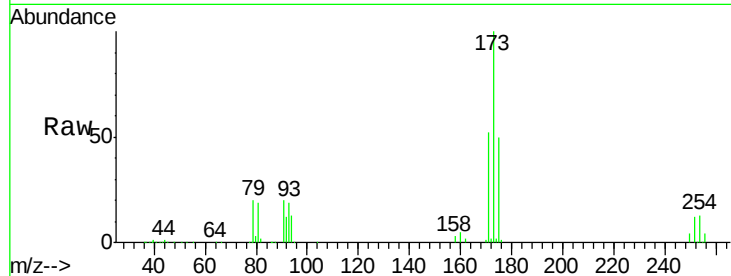
#71
Bromoform
Concen: 20.26 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

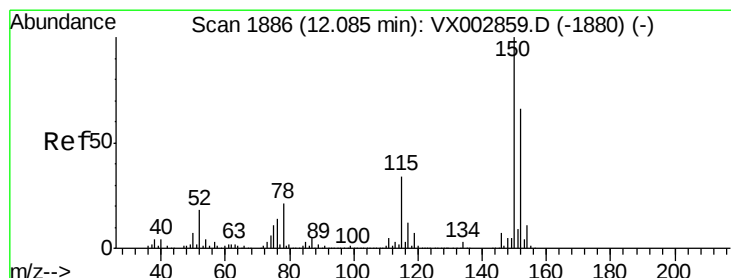
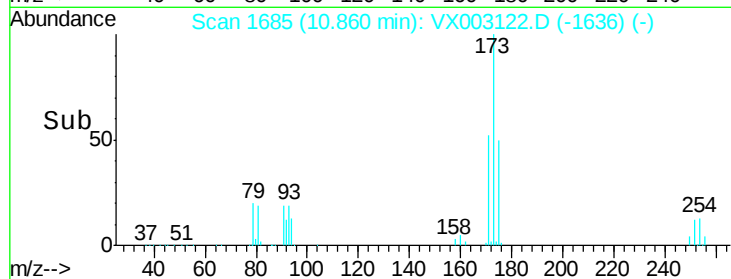
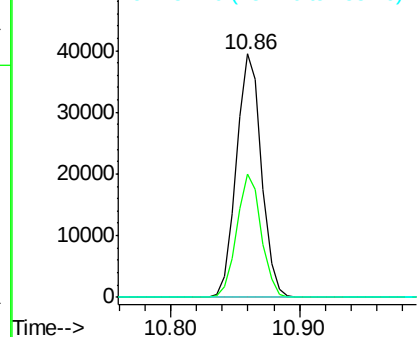
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM

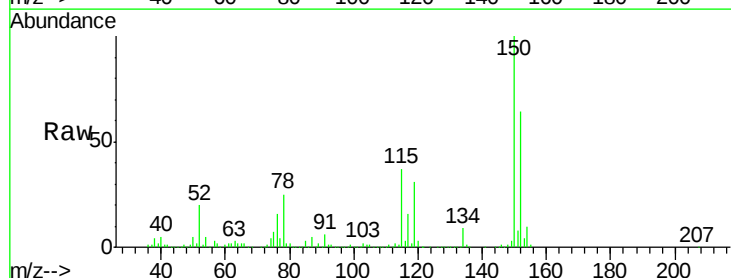


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

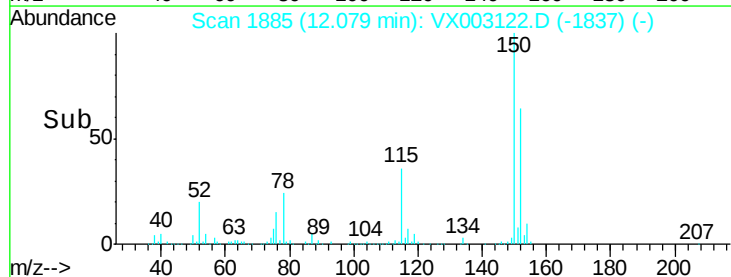
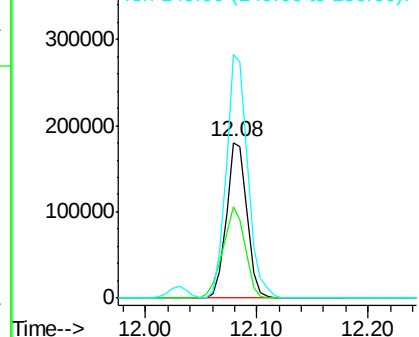


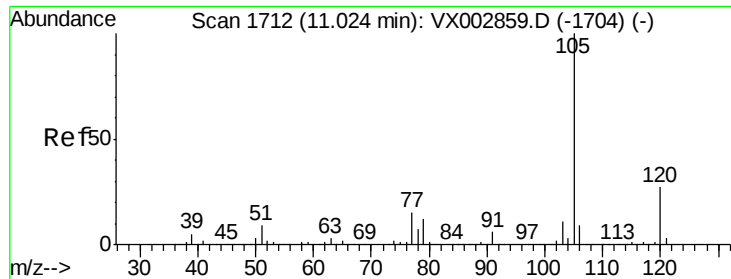
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	40.1	120.2
150	164.8	0.0	347.2



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





#73

Isopropylbenzene

Concen: 21.43 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 105 Resp: 328604

Ion Ratio Lower Upper

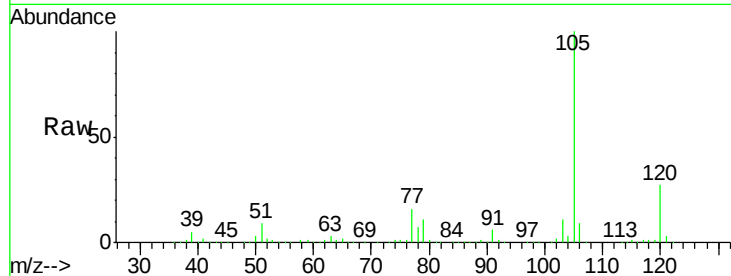
105 100

120 27.2 13.5 40.4

Manual Integrations
APPROVED

sam

7/3/2018 3:53:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

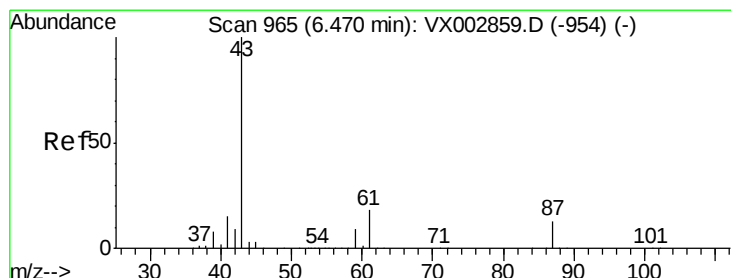
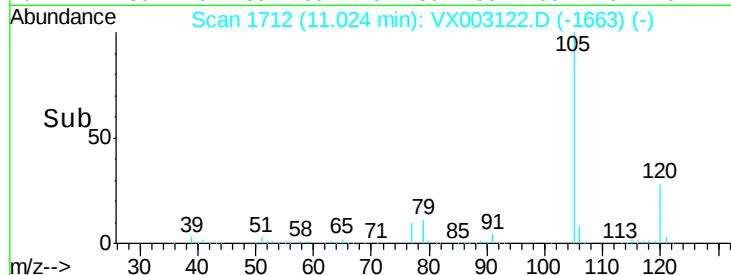
50000

0

11.02

10.95 11.00 11.05 11.10

Time-->



#74

N-ethyl acetate

Concen: 19.90 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion: 43 Resp: 149315

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 19.0 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

40000

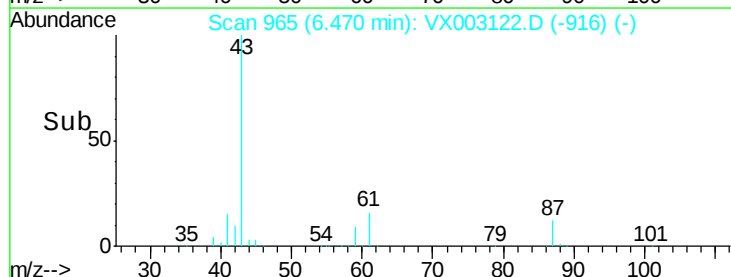
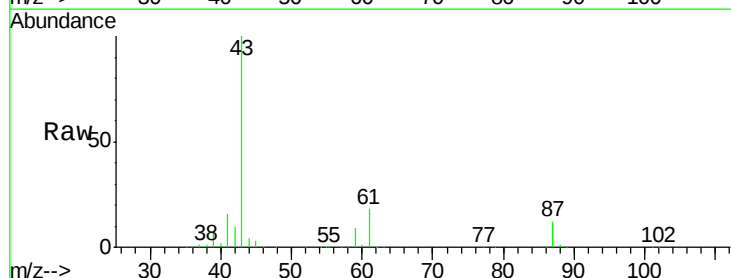
20000

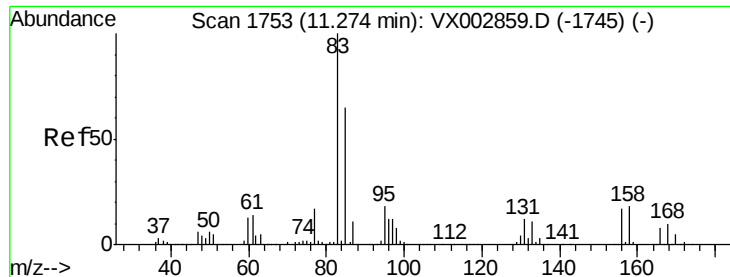
0

6.47

6.30 6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.72 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

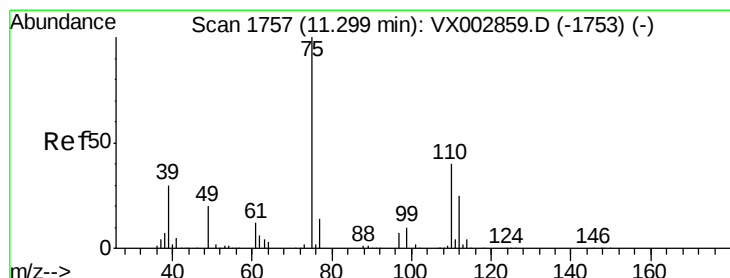
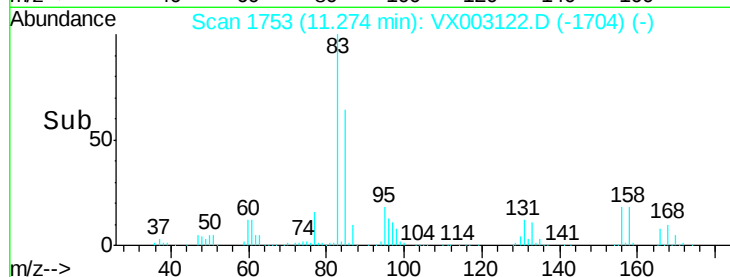
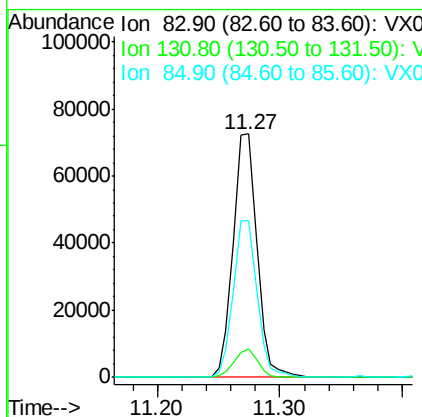
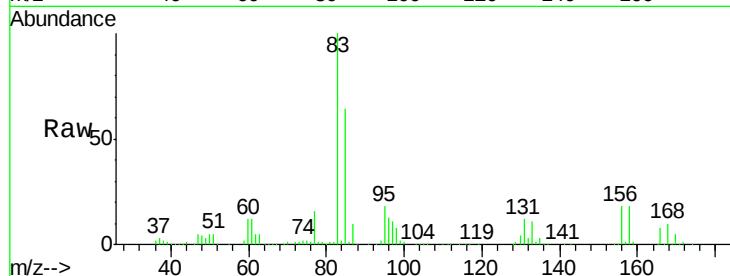
ClientSampled :

VX0702WBS01

Tot Ion:	83	Resp:	97869
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	64.5	32.4	97.2

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#76

1,2,3-Trichloropropane

Concen: 20.40 ug/l m

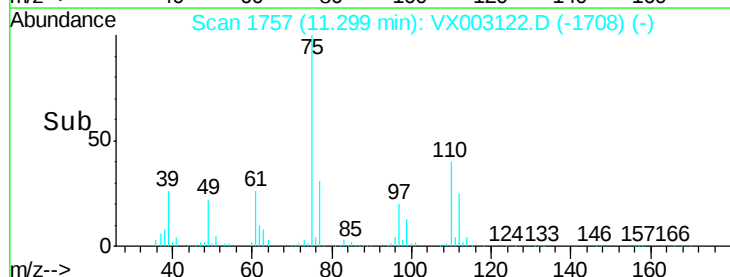
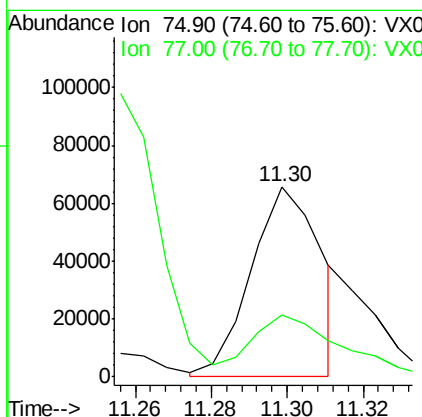
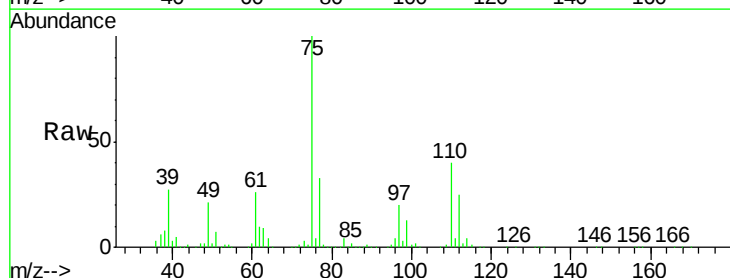
RT: 11.30 min Scan# 1757

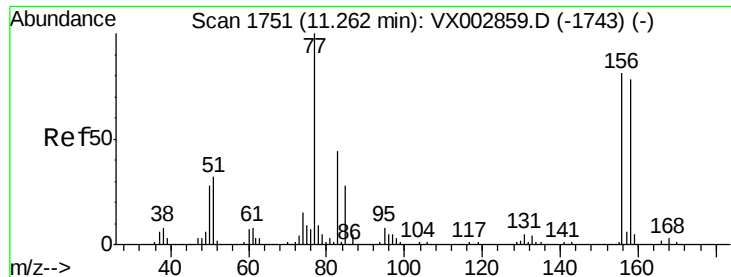
Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	75	Resp:	84237
Ion	Ratio	Lower	Upper
75	100		
77	41.4	22.8	68.3





#77

Bromobenzene

Concen: 21.00 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion:156 Resp: 91716

Ion Ratio Lower Upper

156 100

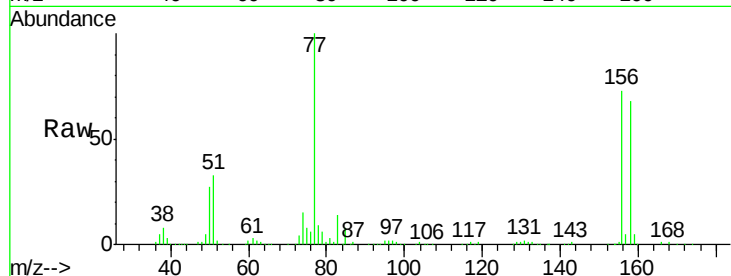
77 135.6 71.4 214.2

158 95.9 48.9 146.6

Manual Integrations
APPROVED

sam

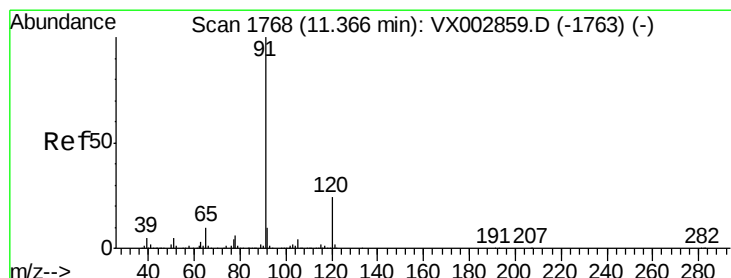
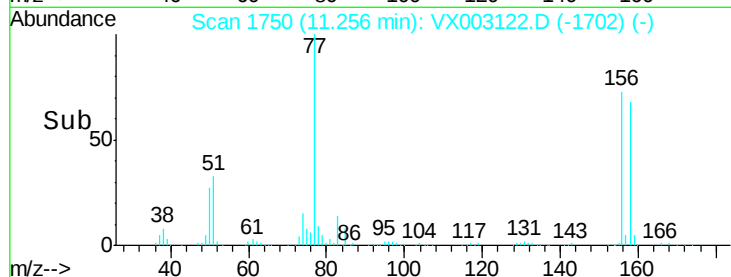
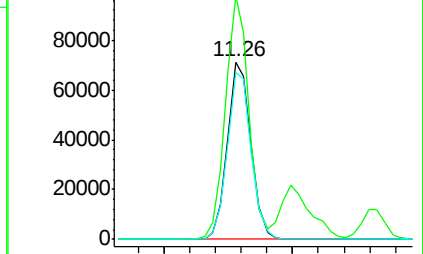
7/3/2018 3:53:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.35 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003122.D

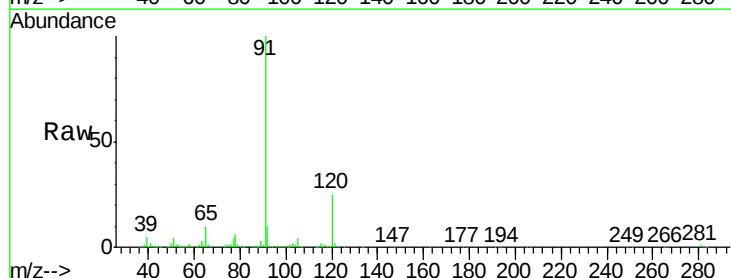
Acq: 02 Jul 2018 12:56

Tgt Ion: 91 Resp: 372698

Ion Ratio Lower Upper

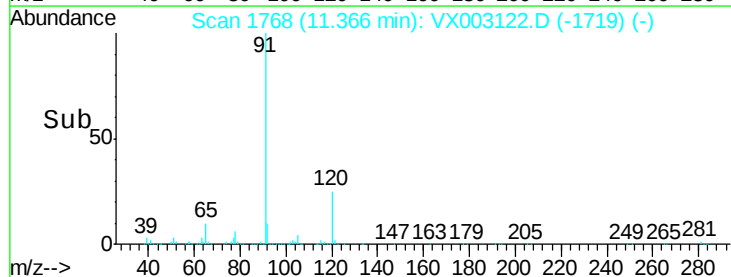
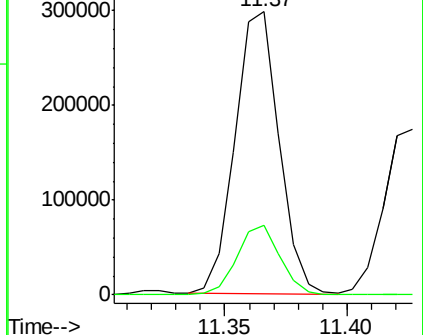
91 100

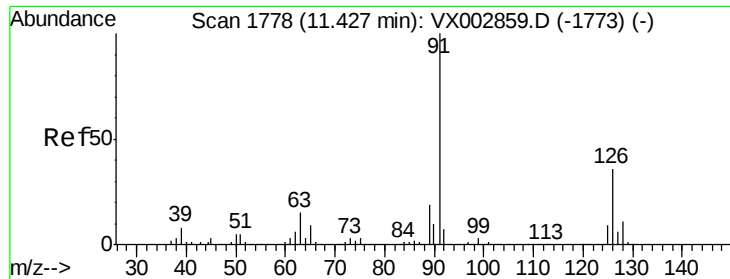
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.99 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 91 Resp: 221776

Ion Ratio Lower Upper

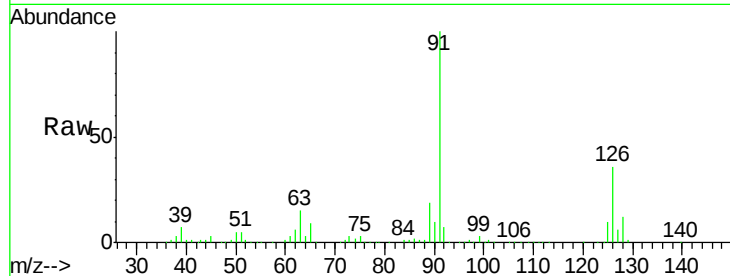
91 100

126 36.0 17.7 53.1

Manual Integrations
APPROVED

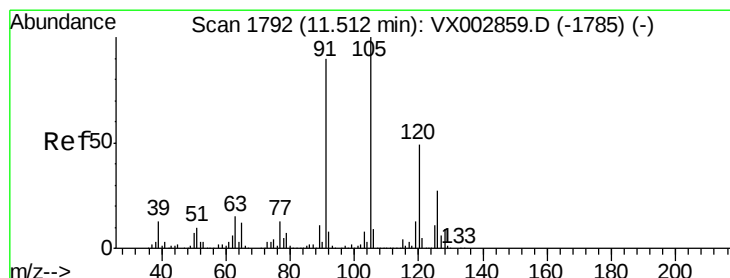
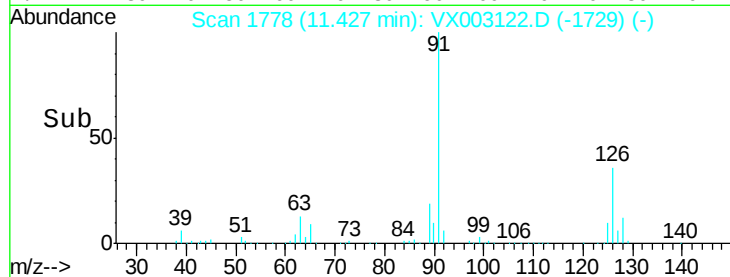
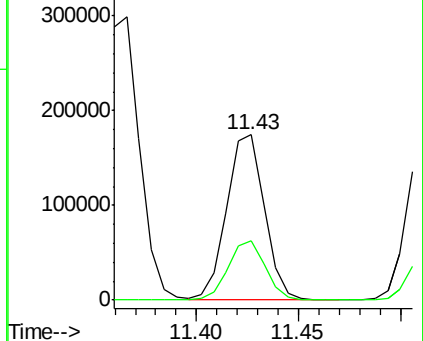
sam

7/3/2018 3:53:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.44 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003122.D

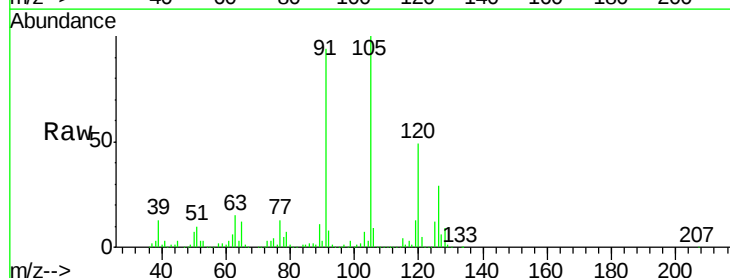
Acq: 02 Jul 2018 12:56

Tgt Ion: 105 Resp: 276934

Ion Ratio Lower Upper

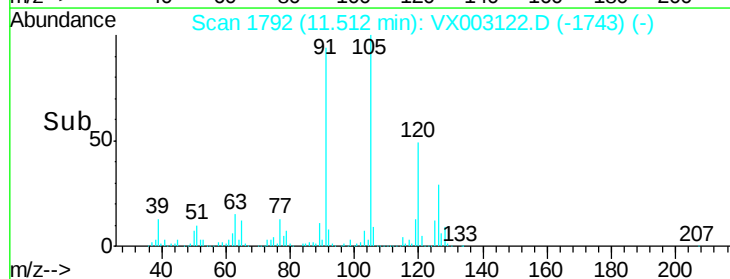
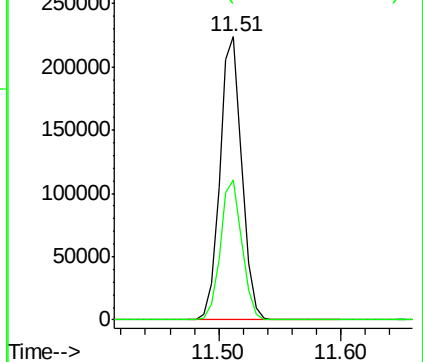
105 100

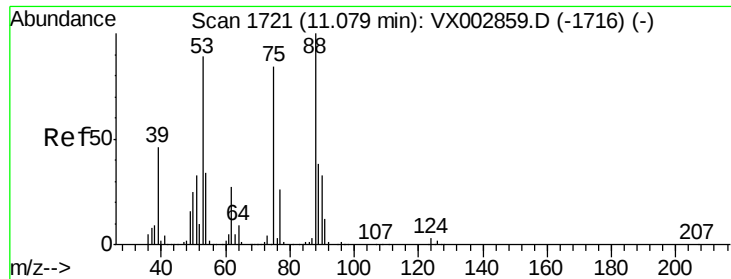
120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





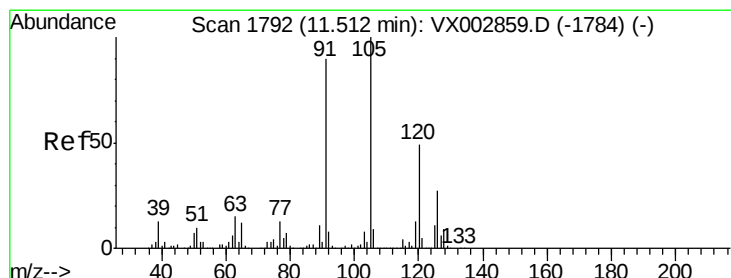
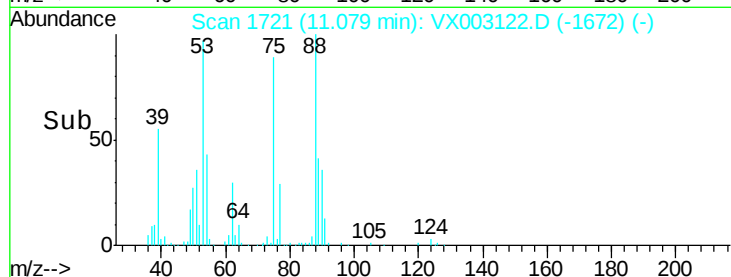
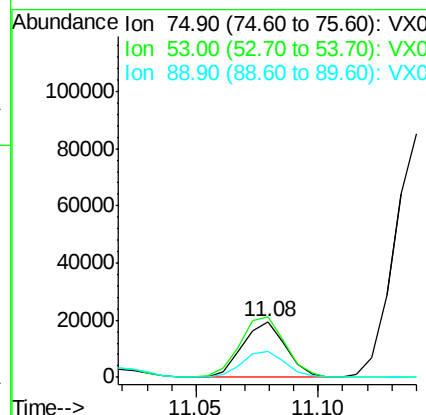
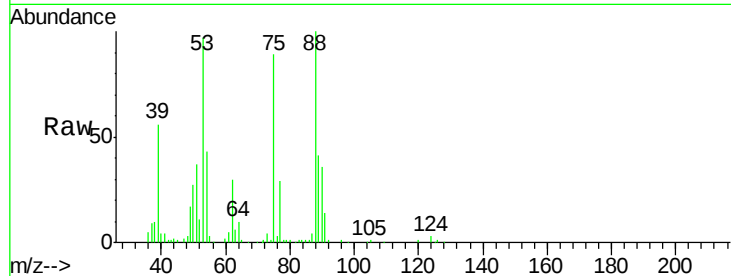
#81
trans-1,4-Dichloro-2-butene
Concen: 19.02 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	86.8	130.2
89	47.2	38.2	57.2

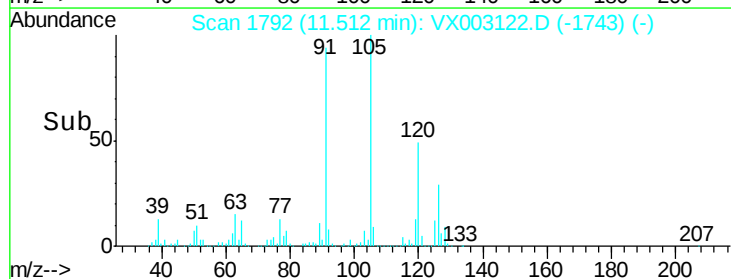
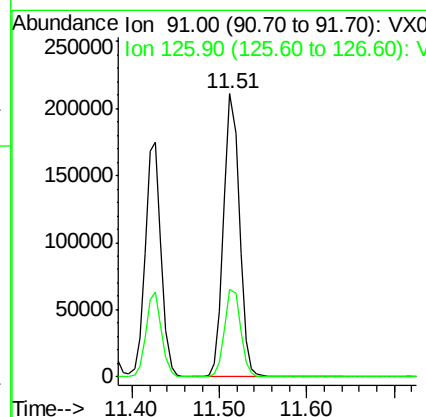
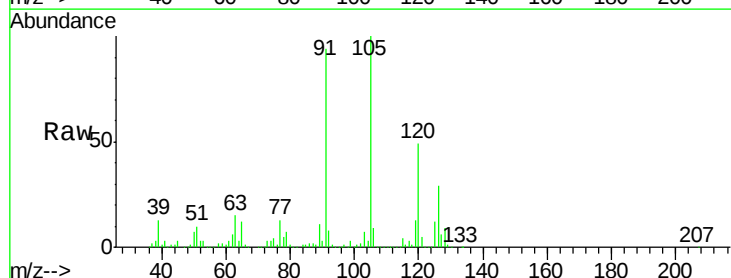
Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#82
4-Chlorotoluene
Concen: 21.00 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4





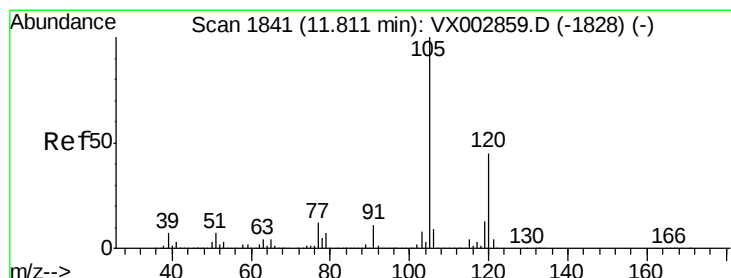
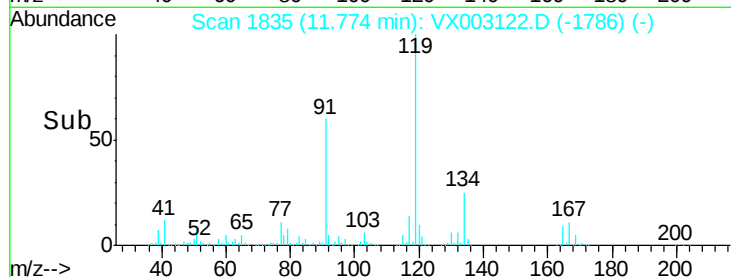
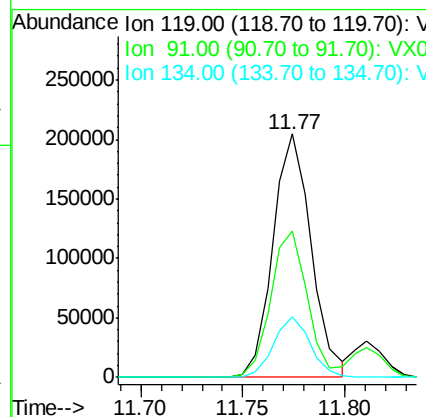
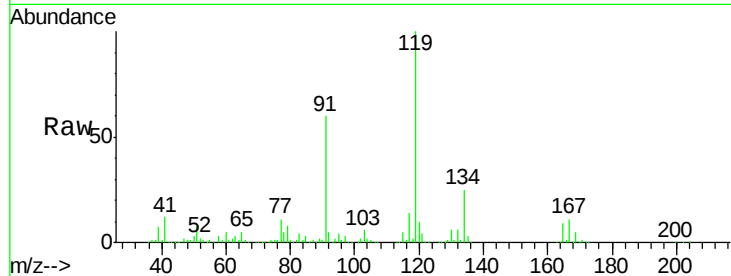
#83
tert-Butylbenzene
Concen: 21.04 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	267772		
91	58.2	30.3	90.9	
134	24.0	11.7	35.1	

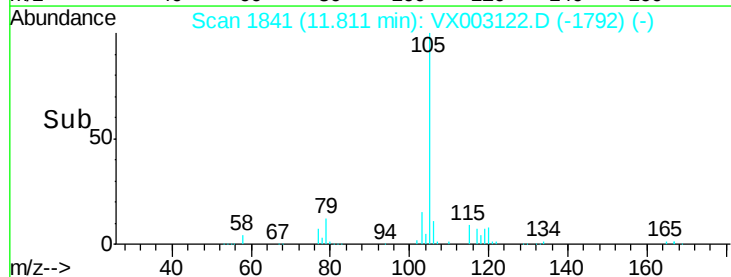
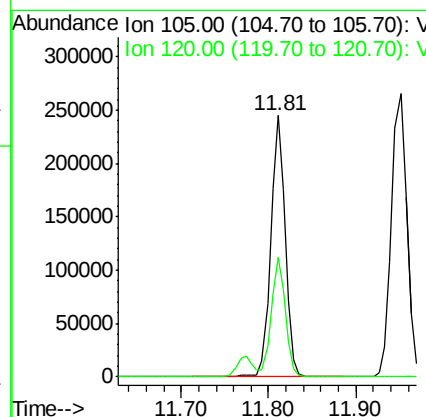
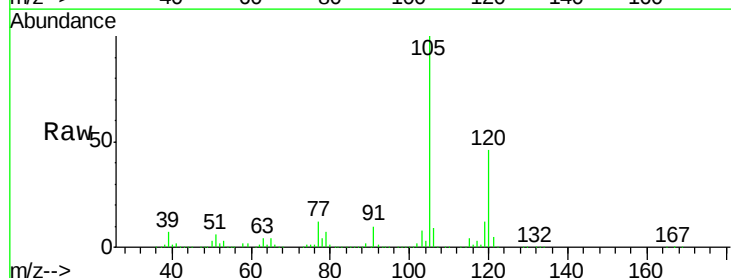
Manual Integrations
APPROVED

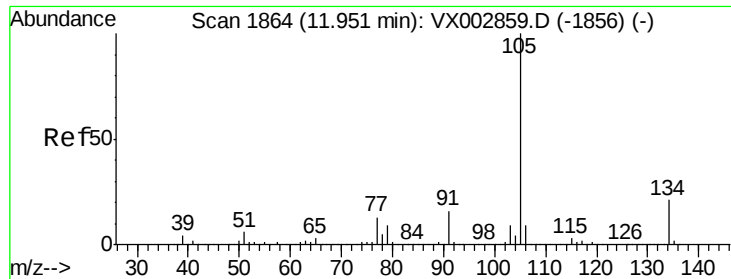
sam
7/3/2018 3:53:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.37 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285943		
120	45.1	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.95 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion:105 Resp: 32359

Ion Ratio Lower Upper

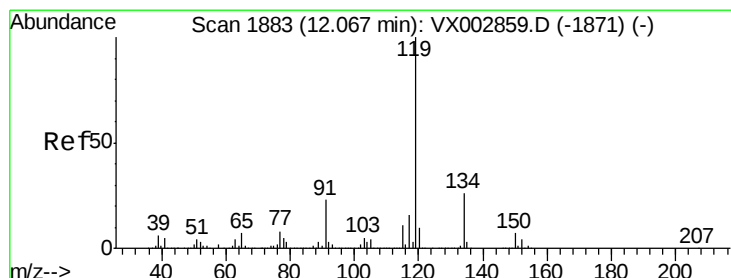
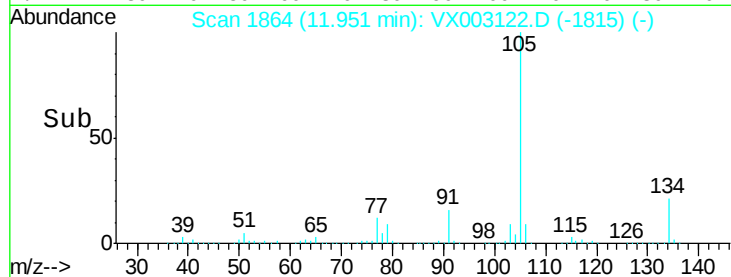
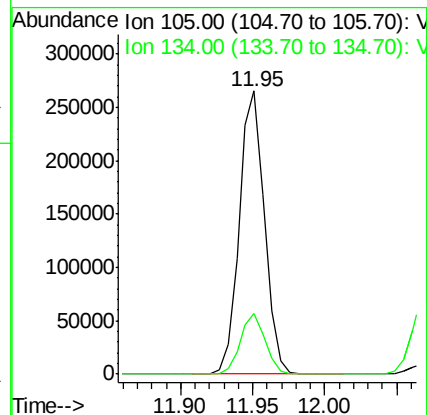
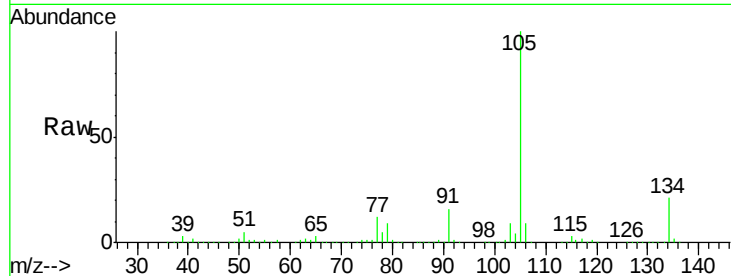
105 100

134 21.1 10.4 31.1

Manual Integrations
APPROVED

sam

7/3/2018 3:53:45 PM



#86

p-Isopropyltoluene

Concen: 21.36 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

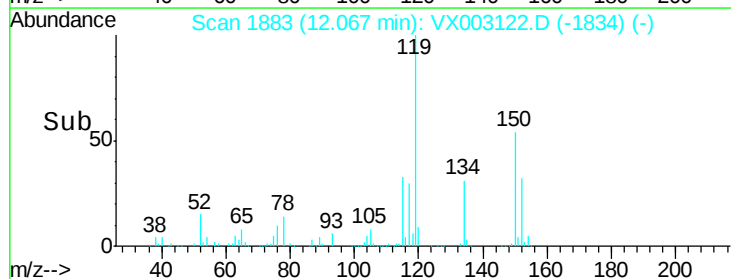
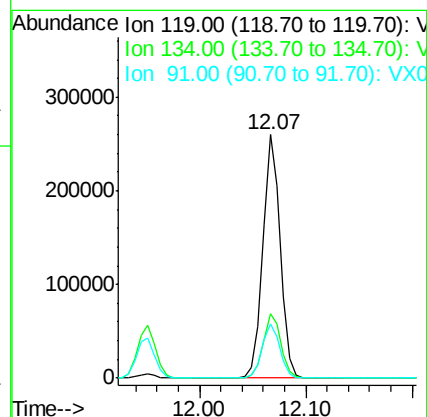
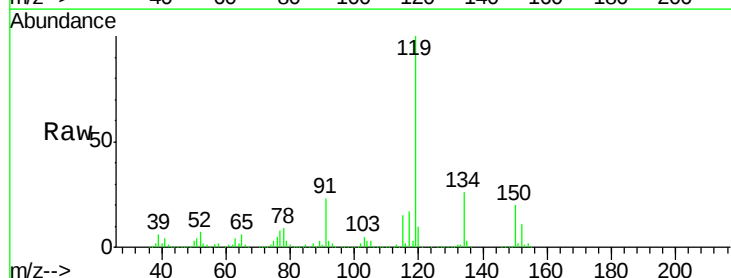
Tgt Ion:119 Resp: 296566

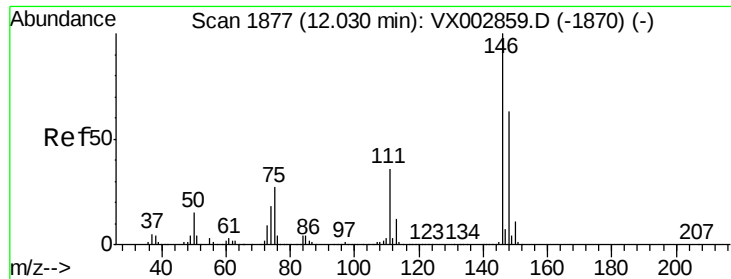
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.8 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 20.99 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

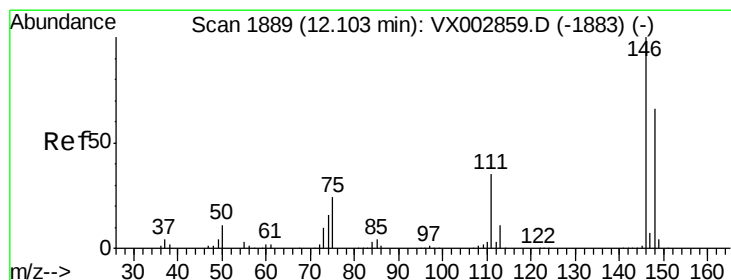
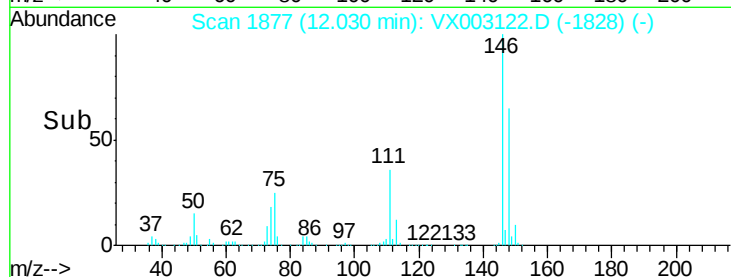
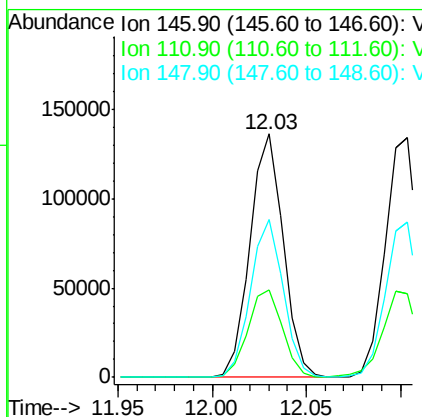
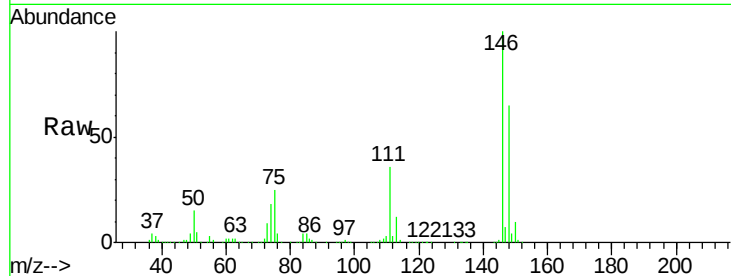
ClientSampleId :

VX0702WBS01

Tot Ion:	146	Resp:	167449
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.9	56.7
148	64.2	32.1	96.3

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#88

1,4-Dichlorobenzene

Concen: 20.79 ug/l

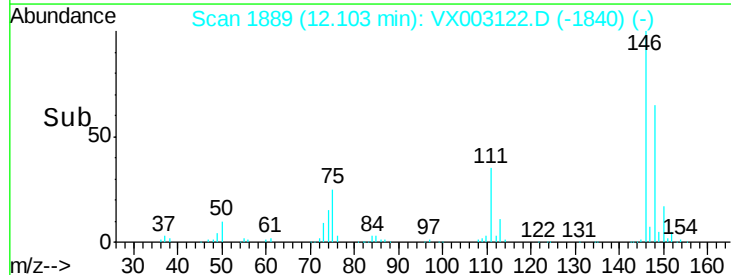
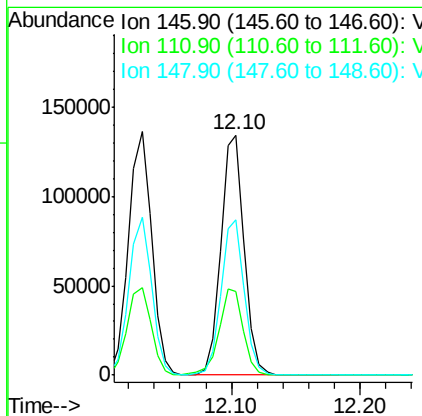
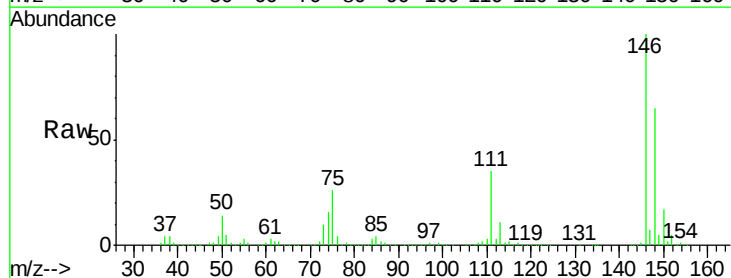
RT: 12.10 min Scan# 1889

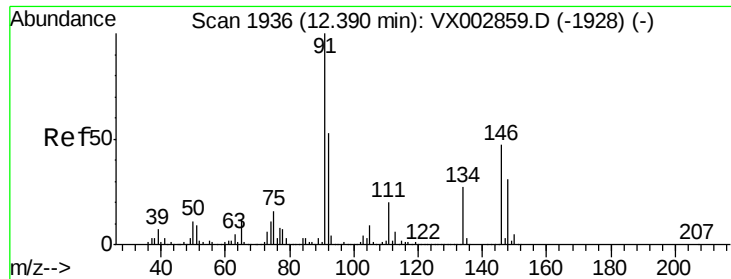
Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	146	Resp:	170691
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.7	56.1
148	65.2	32.4	97.0





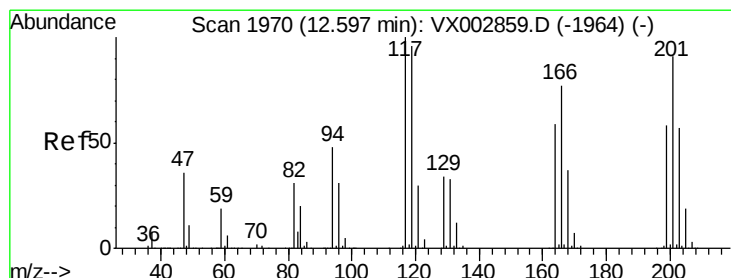
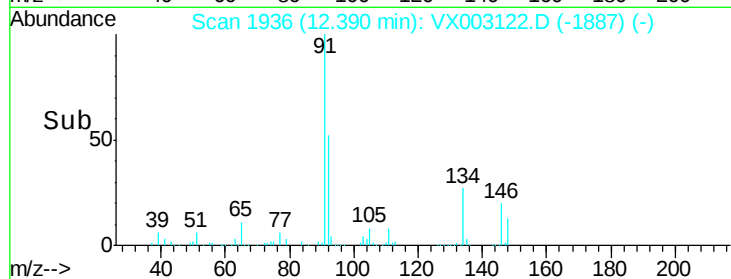
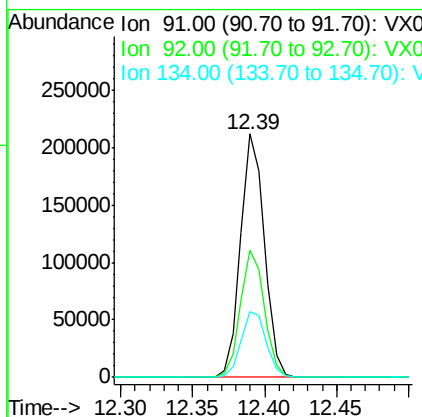
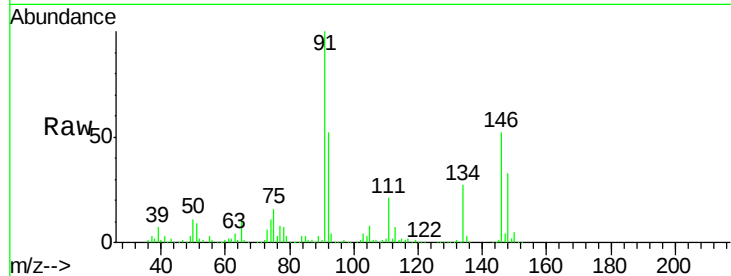
#89
n-Butylbenzene
Concen: 20.30 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	28.0	13.5	40.5

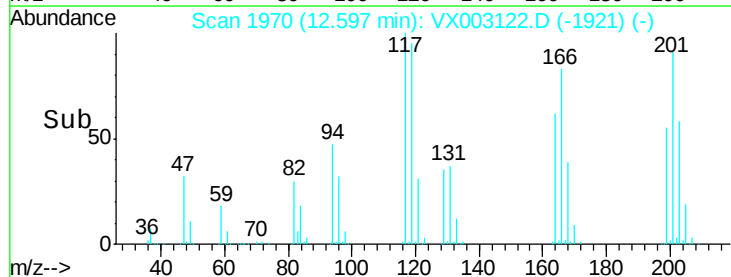
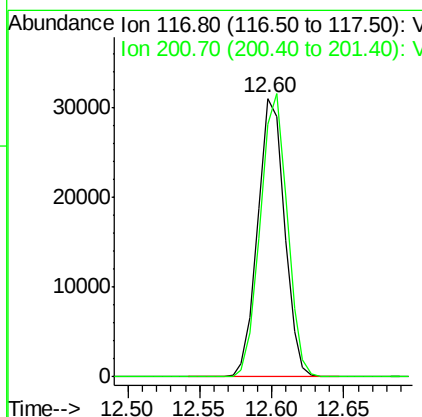
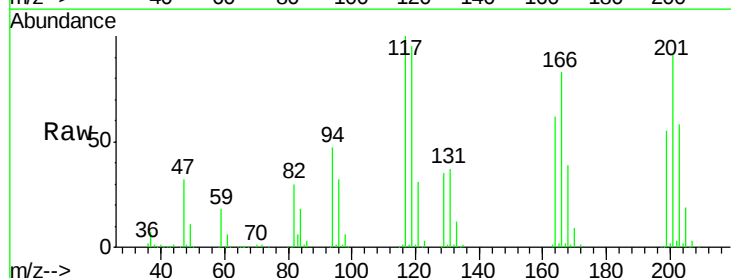
Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#90
Hexachloroethane
Concen: 19.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003122.D
Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.9	49.0	147.0





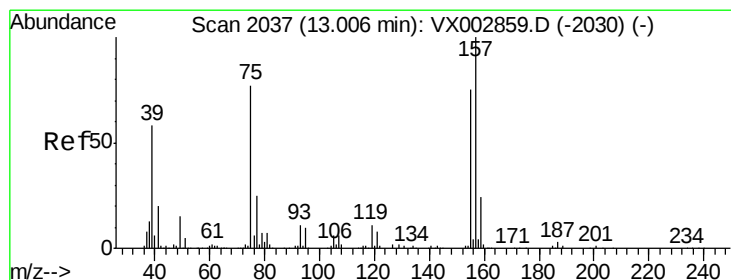
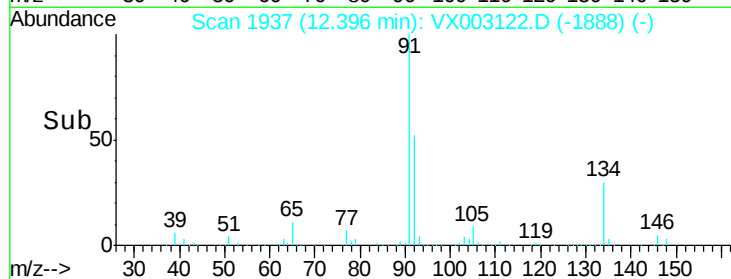
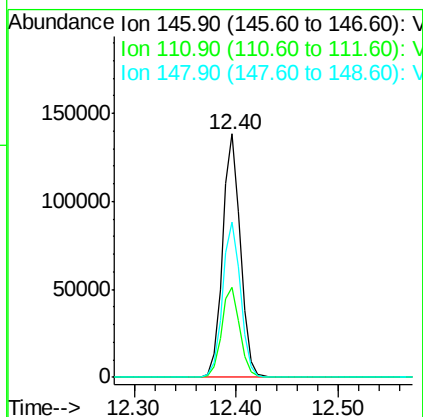
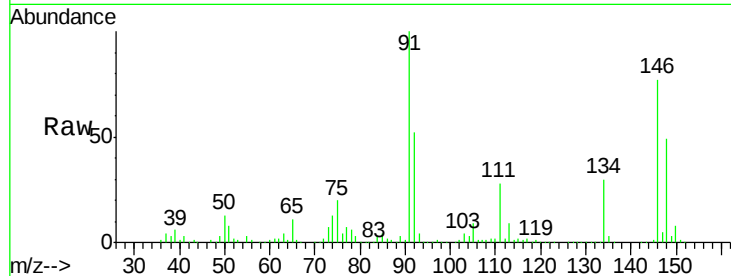
#91
 1,2-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.1
148	64.6	31.7	95.1

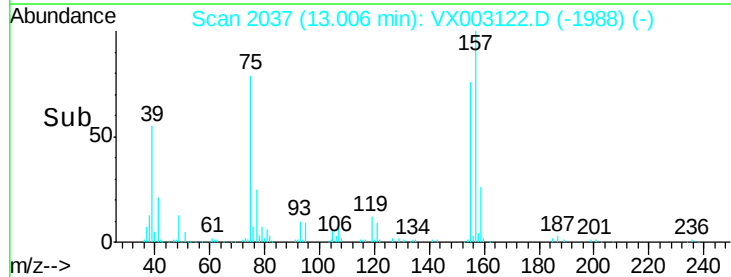
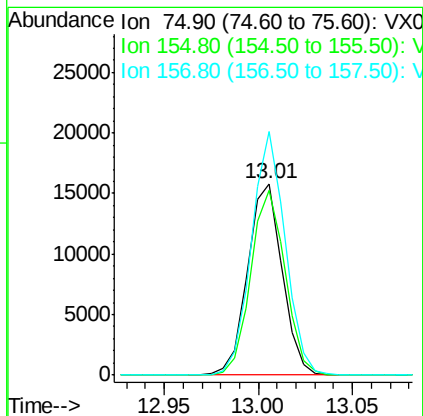
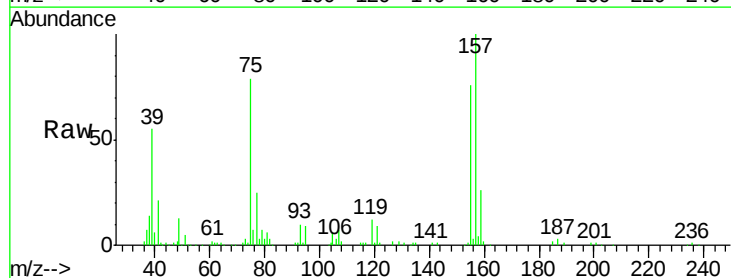
Manual Integrations
 APPROVED

sam
 7/3/2018 3:53:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.89 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	45.8	137.4
157	124.0	60.1	180.3





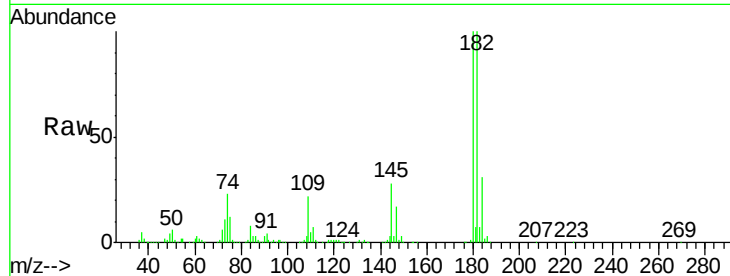
#93
 1,2,4-Trichlorobenzene
 Concen: 20.67 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121080		
182	97.3	47.7	143.1	
145	27.9	14.1	42.4	

Manual Integrations
 APPROVED

sam
 7/3/2018 3:53:45 PM

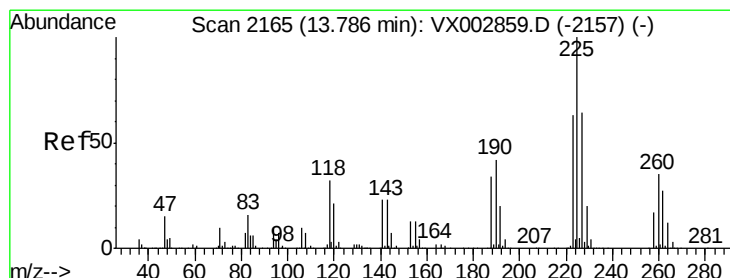
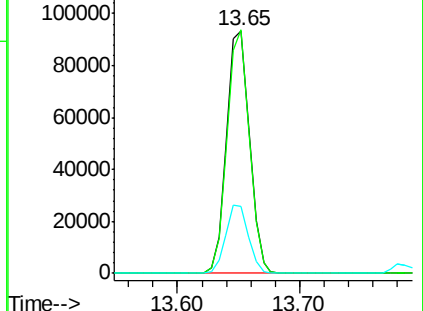
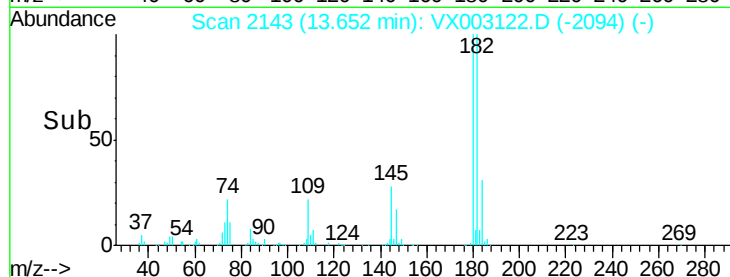


Abundance

Ion 179.80 (179.50 to 180.50): V

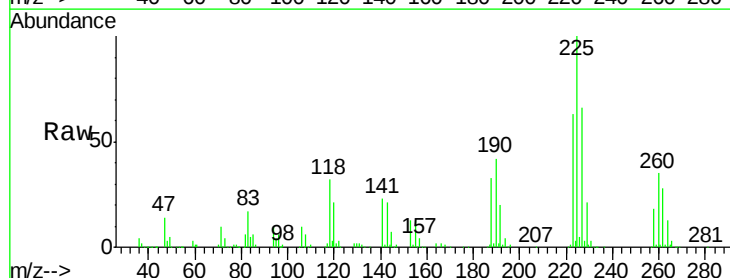
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.80 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003122.D
 Acq: 02 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60781		
223	61.5	31.6	95.0	
227	63.4	32.4	97.2	

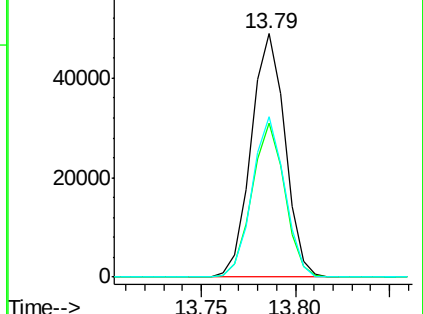
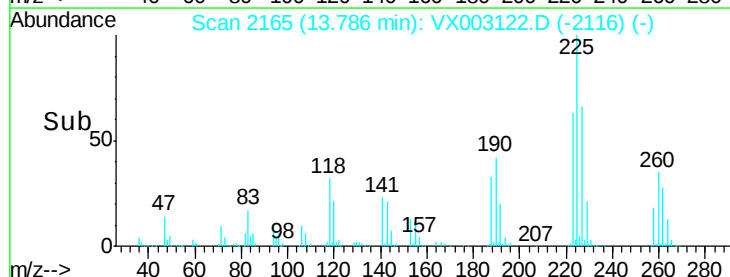


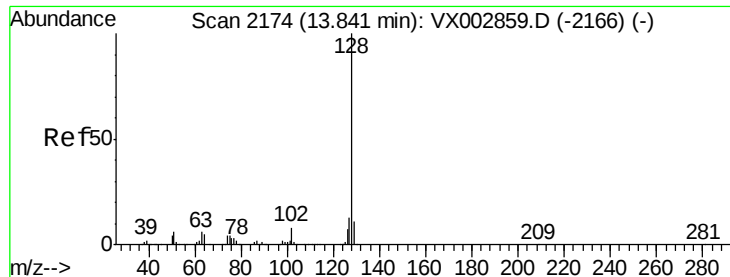
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.97 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Instrument :

MSVOA_X

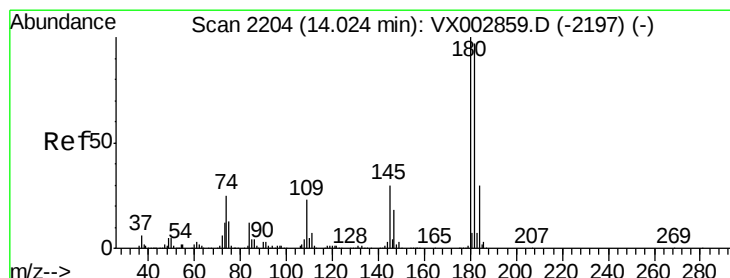
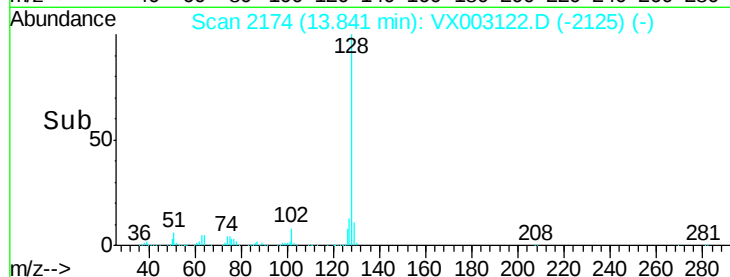
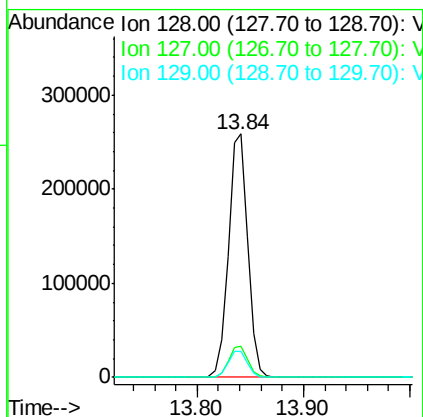
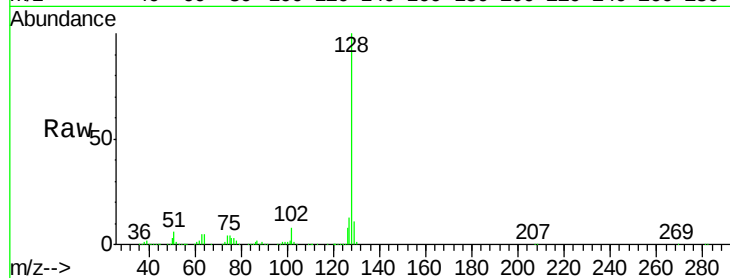
ClientSampleId :

VX0702WBS01

Tot Ion:	128	Resp:	327251
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

sam
7/3/2018 3:53:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.87 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003122.D

Acq: 02 Jul 2018 12:56

Tgt Ion:	180	Resp:	122160
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.0	144.0
145	29.4	14.8	44.3

