

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070218\
 Data File : VX003138.D
 Acq On : 02 Jul 2018 20:11
 Operator : JC/MD
 Sample : J3772-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Manual Integrations
 APPROVED

sam
 7/3/2018 3:54:04 PM

Quant Time: Jul 03 07:55:42 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	289111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	388892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180708	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	5.51	113	155573	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.72	98	538336	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	11.14	95	209103	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	135263	52.42	ug/l	100
3) Chloromethane	1.32	50	145540	54.41	ug/l	98
4) Vinyl Chloride	1.40	62	167187	51.13	ug/l	99
5) Bromomethane	1.64	94	48597	30.80	ug/l	100
6) Chloroethane	1.72	64	102145	53.39	ug/l	100
7) Trichlorofluoromethane	1.93	101	248145	44.99	ug/l	97
8) Diethyl Ether	2.19	74	94837	47.30	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140165	43.86	ug/l	97
10) Methyl Iodide	2.51	142	145166	45.44	ug/l	97
11) Tert butyl alcohol	3.09	59	200865	252.32	ug/l	99
12) 1,1-Dichloroethene	2.37	96	134038	47.01	ug/l	90
13) Acrolein	2.30	56	67199	153.92	ug/l	96
14) Allyl chloride	2.73	41	258088	45.92	ug/l	94
15) Acrylonitrile	3.15	53	424970	249.93	ug/l	99
16) Acetone	2.45	43	396128	239.37	ug/l	95
17) Carbon Disulfide	2.57	76	376667	49.58	ug/l	99
18) Methyl Acetate	2.78	43	217912	47.10	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	473873	46.23	ug/l	99
20) Methylene Chloride	2.86	84	150720	46.80	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	145563	46.87	ug/l	91
22) Diisopropyl ether	3.88	45	487888	45.41	ug/l	98
23) Vinyl Acetate	3.83	43	2118504	232.87	ug/l	98
24) 1,1-Dichloroethane	3.70	63	270204	46.27	ug/l	99
25) 2-Butanone	4.72	43	661840	269.48	ug/l	97
26) 2,2-Dichloropropane	4.59	77	174606	36.77	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	193541	55.58	ug/l	90
28) Bromochloromethane	5.03	49	133063	47.61	ug/l	89
29) Tetrahydrofuran	5.17	42	424475	269.51	ug/l	96
30) Chloroform	5.22	83	293011	48.89	ug/l	99
31) Cyclohexane	5.57	56	246977	49.28	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	261286	49.56	ug/l	98
36) 1,1-Dichloropropene	5.80	75	208827	48.97	ug/l	98
37) Ethyl Acetate	4.87	43	239681	52.20	ug/l	97
38) Carbon Tetrachloride	5.79	117	233150	49.82	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070218\
 Data File : VX003138.D
 Acq On : 02 Jul 2018 20:11
 Operator : JC/MD
 Sample : J3772-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Manual Integrations
 APPROVED

sam
 7/3/2018 3:54:04 PM

Quant Time: Jul 03 07:55:42 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	232659	46.84	ug/l	96
40) Benzene	6.15	78	629777	50.82	ug/l	100
41) Methacrylonitrile	5.07	41	139472	52.75	ug/l	96
42) 1,2-Dichloroethane	6.20	62	234667	46.88	ug/l	98
43) Isopropyl Acetate	6.48	43	377928	49.07	ug/l	98
44) Trichloroethene	7.22	130	185070	50.09	ug/l	99
45) 1,2-Dichloropropane	7.52	63	159136	48.41	ug/l	100
46) Dibromomethane	7.67	93	111757	48.99	ug/l	94
47) Bromodichloromethane	7.90	83	211961	50.26	ug/l	100
48) Methyl methacrylate	7.79	41	200735	50.59	ug/l	95
49) 1,4-Dioxane	7.76	88	84696	1097.09	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1283919	266.47	ug/l	97
52) Toluene	8.79	92	399334	50.31	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	239683	50.19	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	228342	49.69	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	163062	49.99	ug/l	98
56) Ethyl methacrylate	9.19	69	255173	53.53	ug/l	93
57) 1,3-Dichloropropane	9.38	76	268250	50.07	ug/l	100
59) 2-Hexanone	9.50	43	1001421	273.47	ug/l	96
60) Dibromochloromethane	9.59	129	180143	52.46	ug/l	100
61) 1,2-Dibromoethane	9.68	107	176130	51.48	ug/l	99
64) Tetrachloroethene	9.34	164	178836	42.82	ug/l	99
65) Chlorobenzene	10.14	112	468272	49.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	173818	50.16	ug/l	99
67) Ethyl Benzene	10.26	91	792335	50.28	ug/l	99
68) m/p-Xylenes	10.36	106	611873	100.74	ug/l	97
69) o-Xylene	10.70	106	295228	49.92	ug/l	97
70) Stvrene	10.71	104	496976	51.72	ug/l	99
71) Bromoform	10.86	173	146606	47.07	ug/l	100
73) Isopropylbenzene	11.02	105	796324	49.13	ug/l	100
74) N-amyl acetate	6.48	43	377928	47.65	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	253999	50.87	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	248805m	57.01	ug/l	
77) Bromobenzene	11.26	156	225257	48.80	ug/l	97
78) n-propylbenzene	11.37	91	899736	48.76	ug/l	98
79) 2-Chlorotoluene	11.43	91	532553	47.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	671275	49.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	65293	43.85	ug/l	98
82) 4-Chlorotoluene	11.51	91	632656	47.84	ug/l	98
83) tert-Butylbenzene	11.77	119	676550	50.28	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	691865	48.91	ug/l	98
85) sec-Butylbenzene	11.95	105	792091	48.53	ug/l	99
86) p-Isopropyltoluene	12.07	119	726272	49.49	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	410045	48.64	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	421603	48.59	ug/l	98
89) n-Butylbenzene	12.39	91	599553	46.94	ug/l	99
90) Hexachloroethane	12.60	117	115283	52.82	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	413326	48.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	61217	54.54	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	300707	48.56	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070218\
Data File : VX003138.D
Acq On : 02 Jul 2018 20:11
Operator : JC/MD
Sample : J3772-05MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

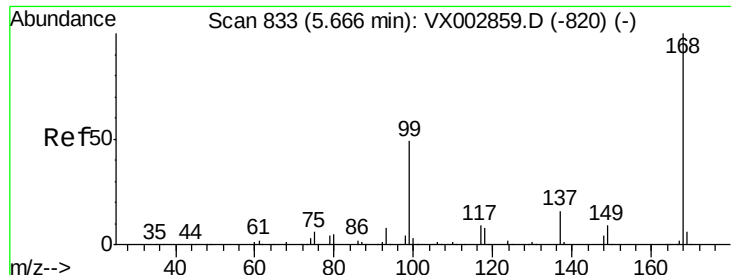
Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM

Quant Time: Jul 03 07:55:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	143605	46.49	ug/l	99
95) Naphthalene	13.83	128	886124	53.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	308485	49.87	ug/l	100

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



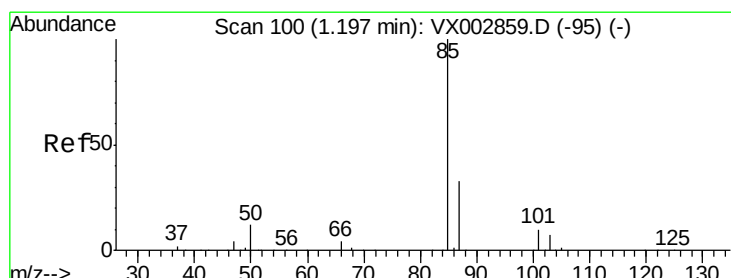
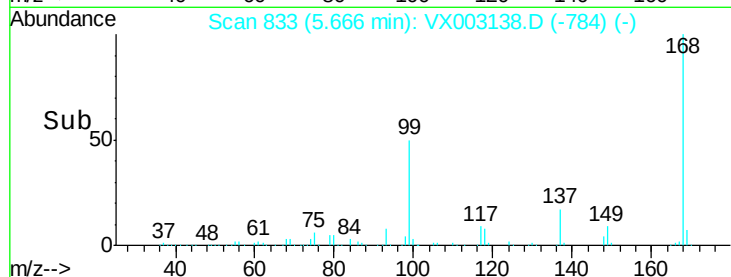
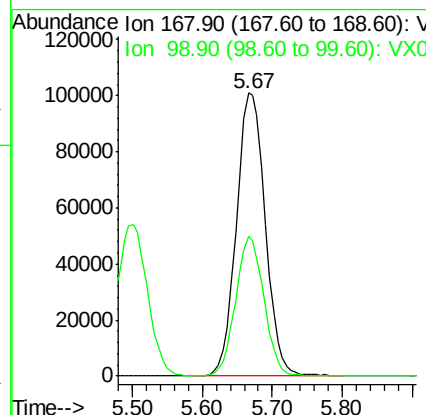
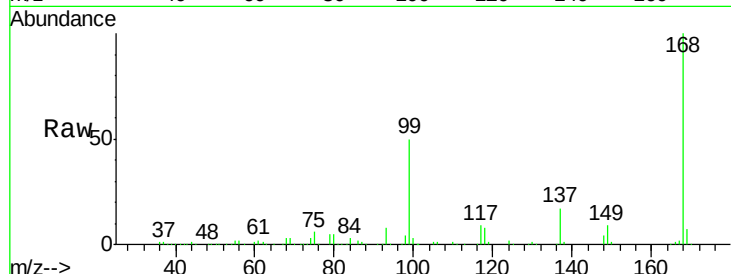
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.5	39.3	58.9

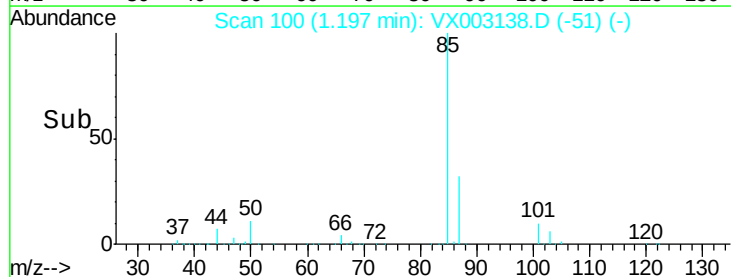
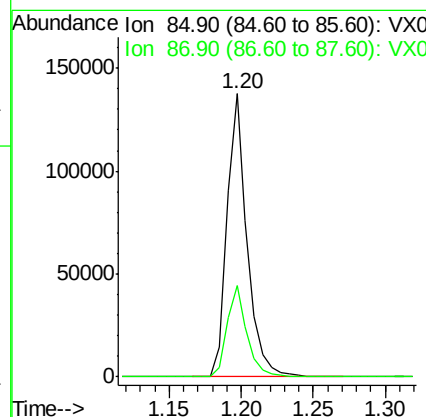
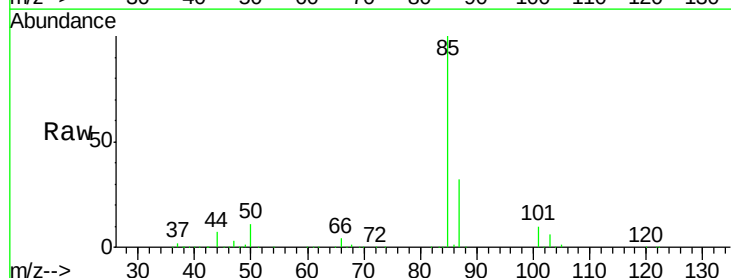
Manual Integrations
APPROVED

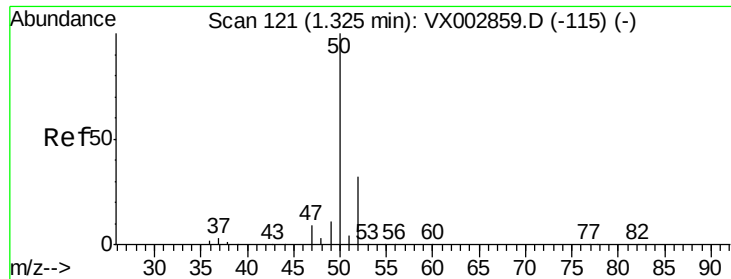
sam
7/3/2018 3:54:04 PM



#2
Dichlorodifluoromethane
Concen: 52.42 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.0	47.9





#3

Chloromethane

Concen: 54.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 50 Resp: 145540

Ion Ratio Lower Upper

50 100

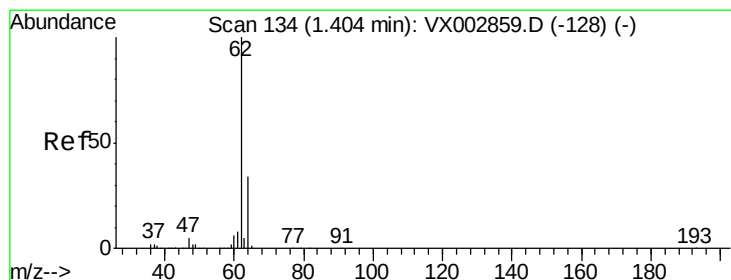
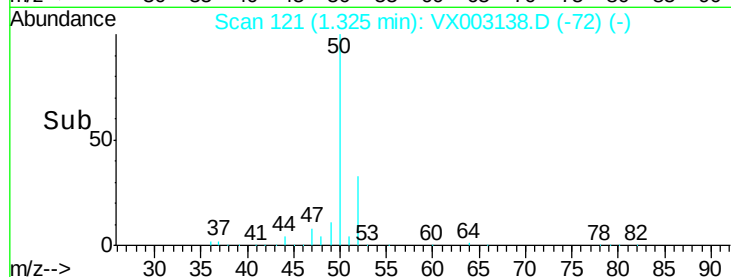
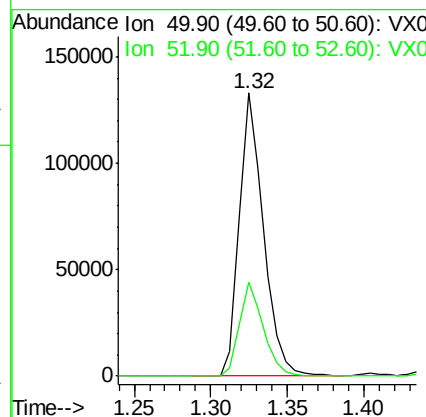
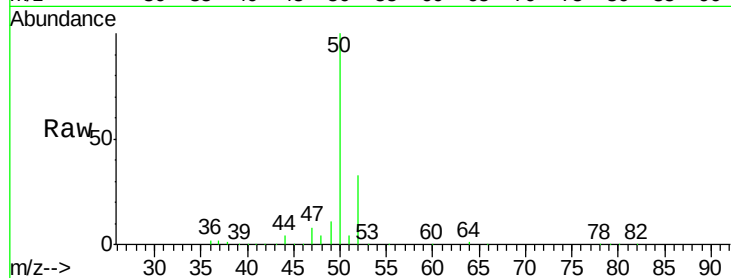
52 33.1 25.7 38.5

Manual Integrations

APPROVED

sam

7/3/2018 3:54:04 PM



#4

Vinyl Chloride

Concen: 51.13 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003138.D

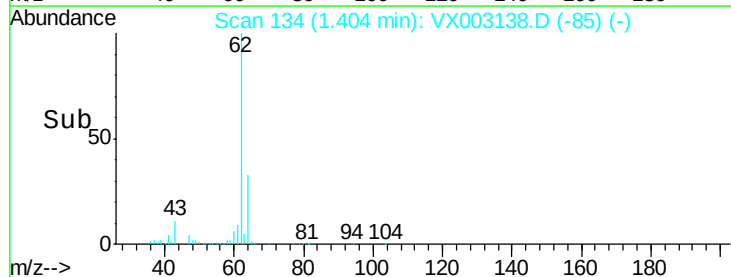
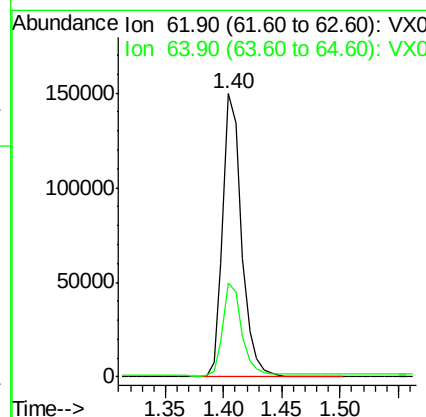
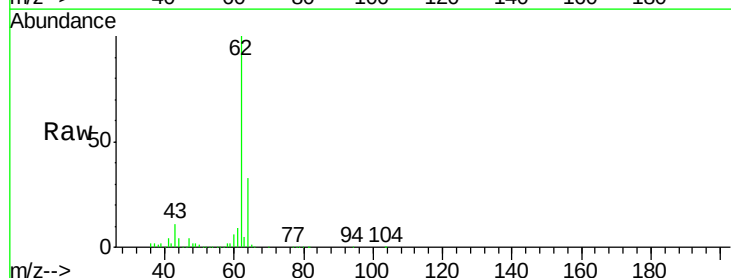
Acq: 02 Jul 2018 20:11

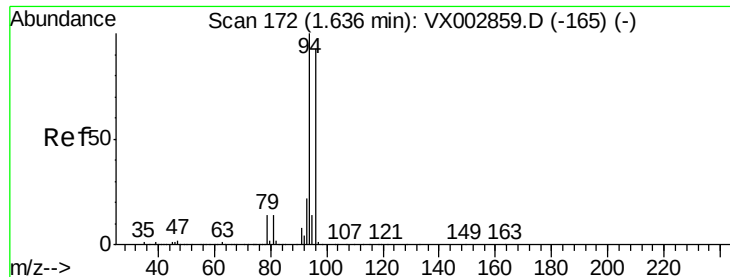
Tgt Ion: 62 Resp: 167187

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 30.80 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 94 Resp: 48597

Ion Ratio Lower Upper

94 100

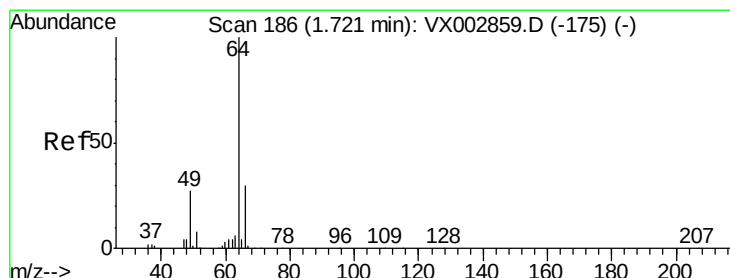
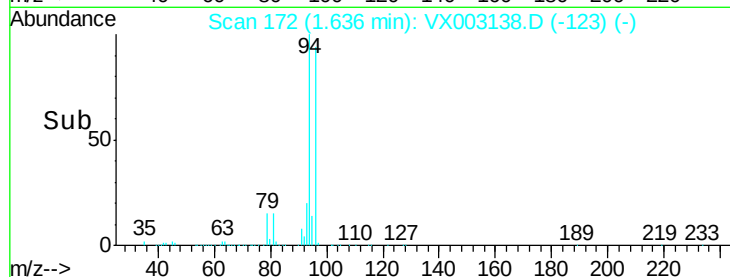
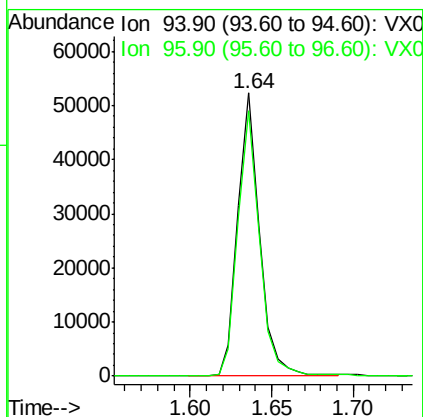
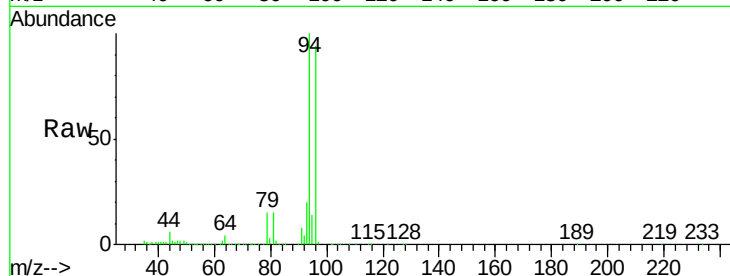
96 93.6 74.9 112.3

Manual Integrations

APPROVED

sam

7/3/2018 3:54:04 PM



#6

Chloroethane

Concen: 53.39 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003138.D

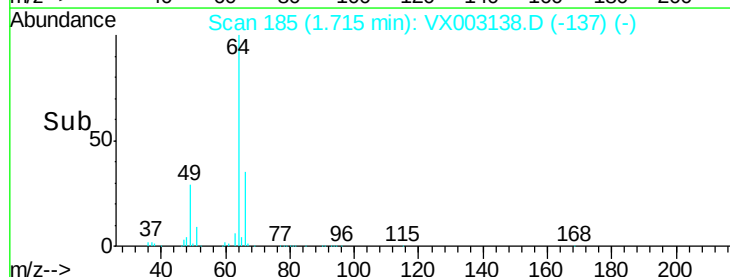
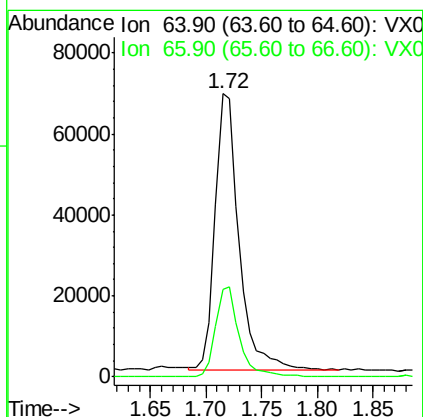
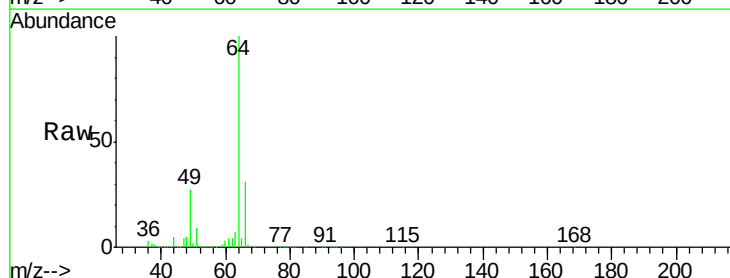
Acq: 02 Jul 2018 20:11

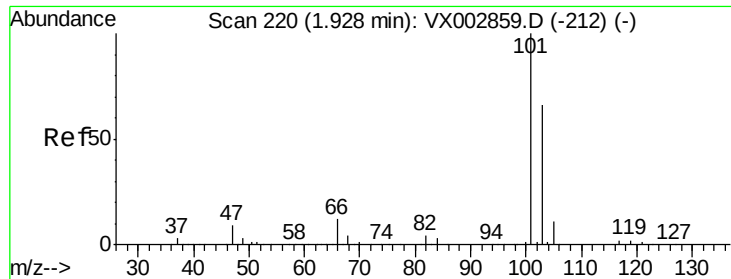
Tgt Ion: 64 Resp: 102145

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

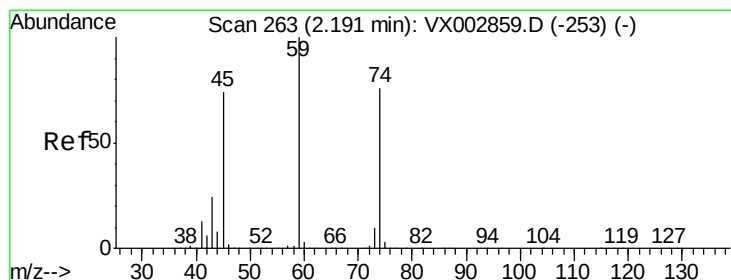
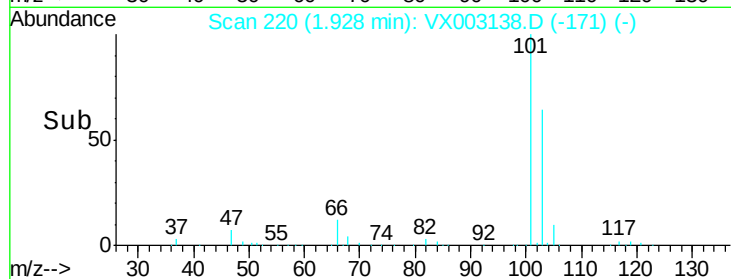
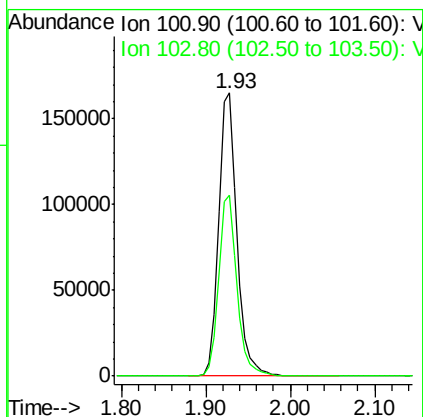
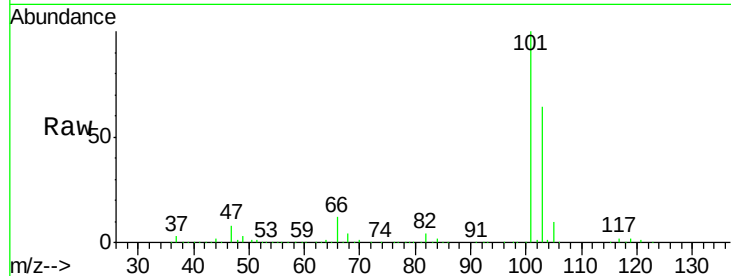
Trichlorofluoromethane
 Concen: 44.99 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	248145		
103	63.8	52.8	79.2	

Manual Integrations
 APPROVED

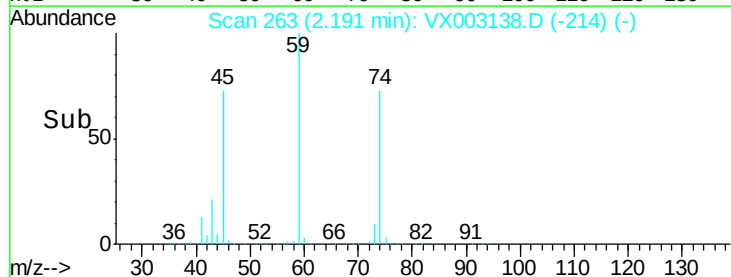
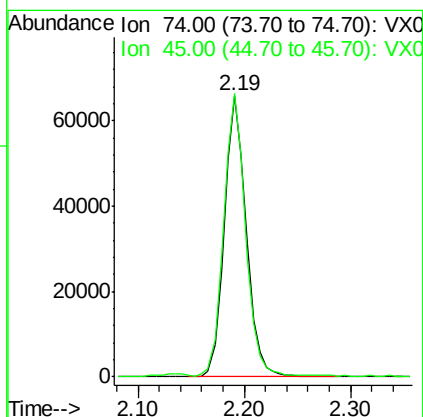
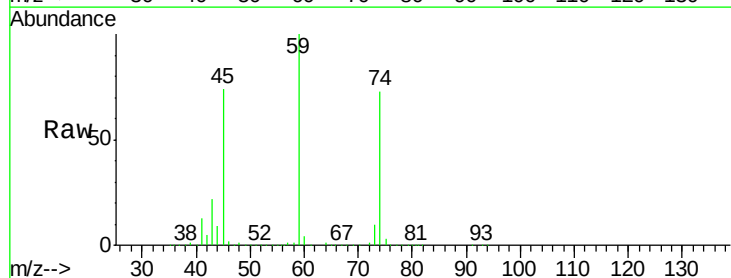
sam
 7/3/2018 3:54:04 PM

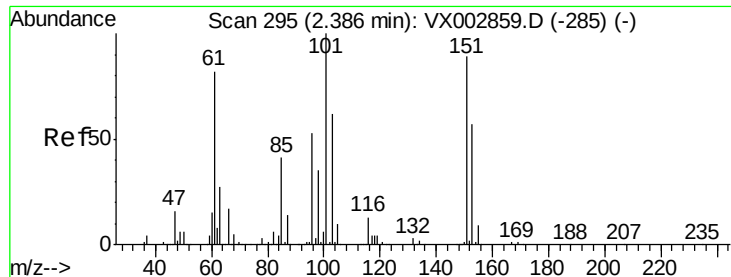


#8

Diethyl Ether
 Concen: 47.30 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	94837		
45	99.7	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

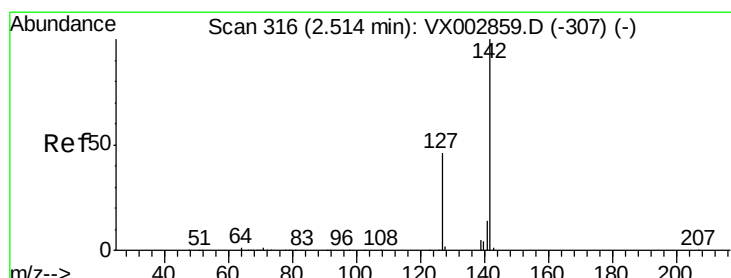
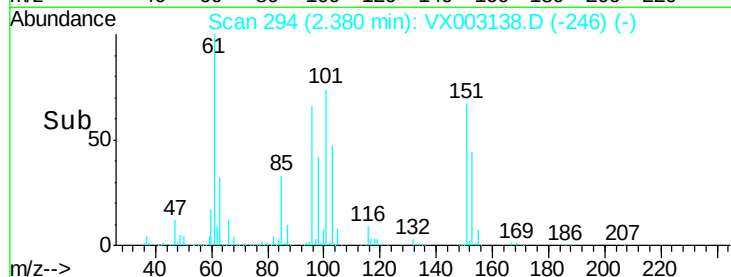
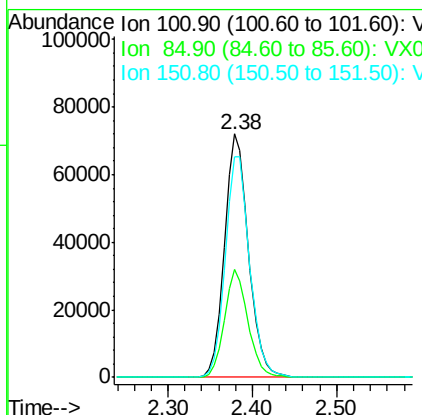
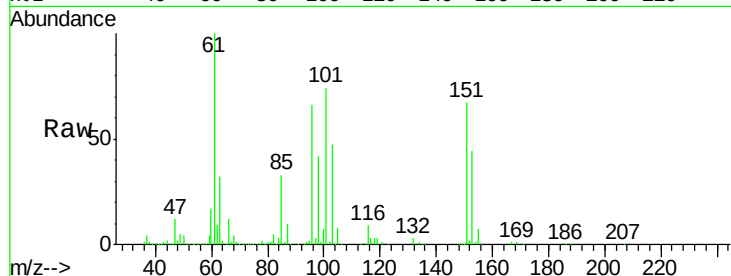
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	101	Resp:	140165
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.0	54.0
151	92.3	70.9	106.3

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#10

Methyl Iodide

Concen: 45.44 ug/l

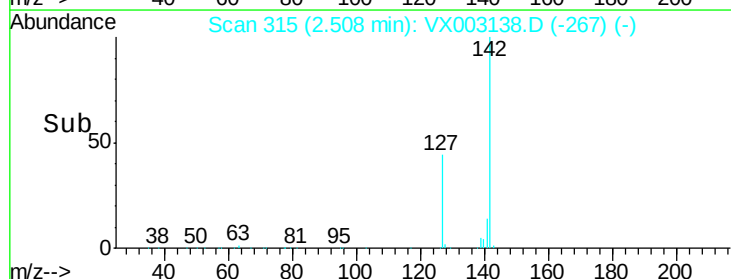
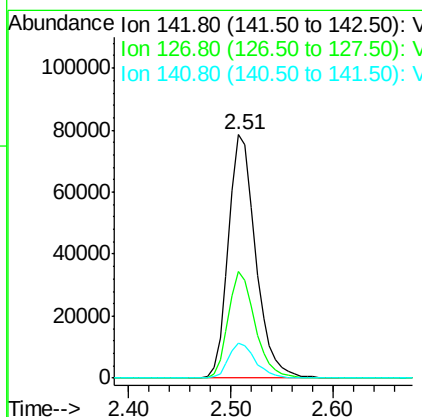
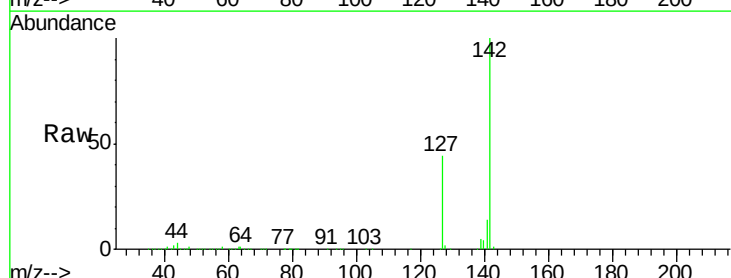
RT: 2.51 min Scan# 315

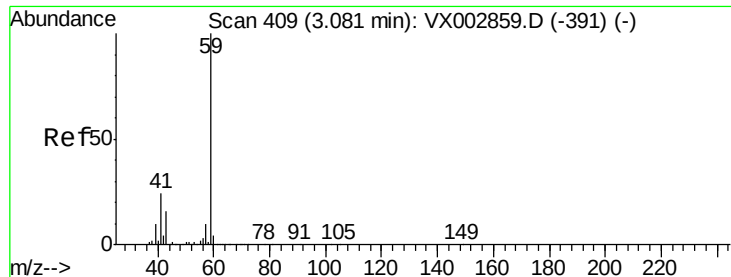
Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	142	Resp:	145166
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.6	55.0
141	14.4	11.3	16.9





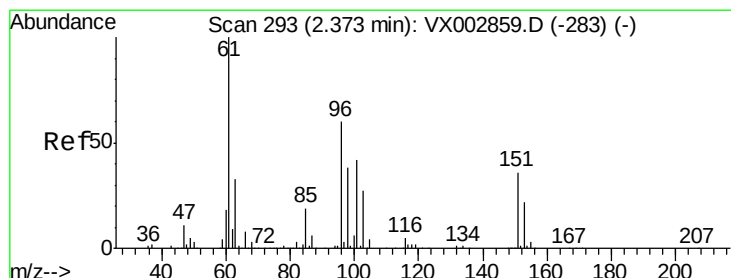
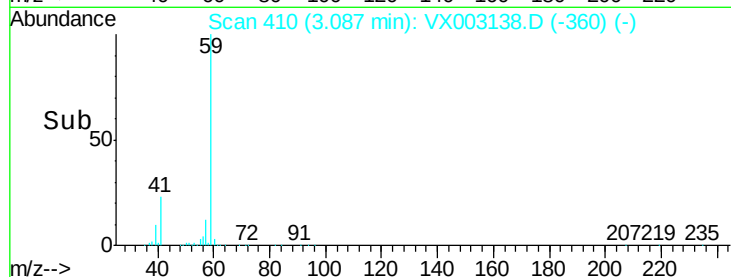
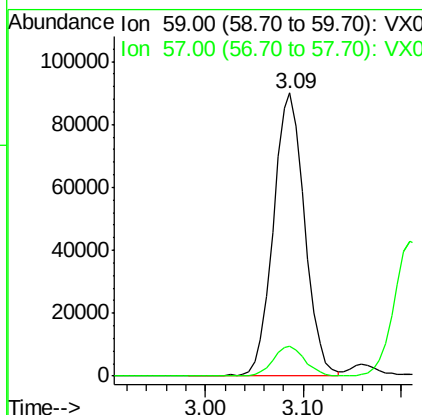
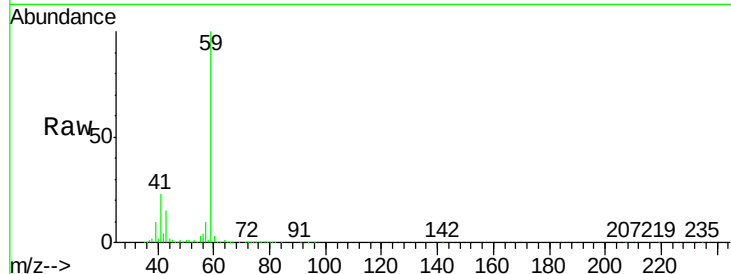
#11
Tert butyl alcohol
Concen: 252.32 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	59	Resp	200865
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

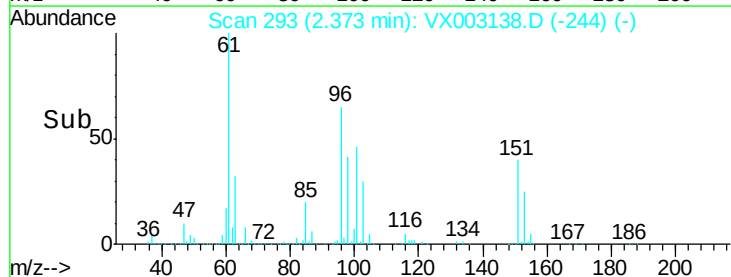
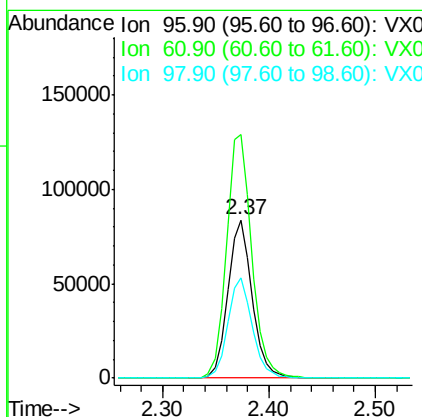
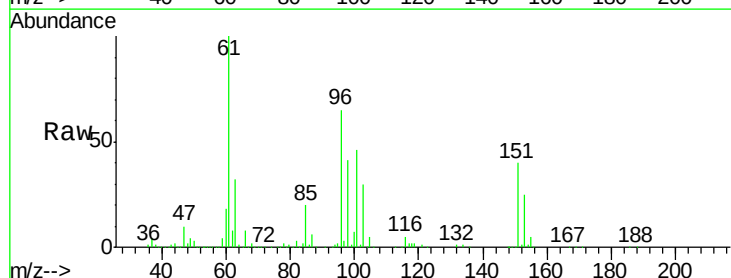
Manual Integrations
APPROVED

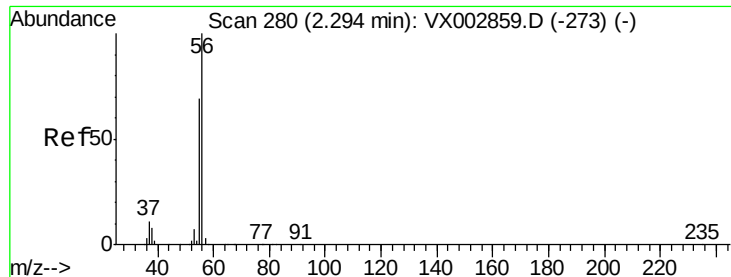
sam
7/3/2018 3:54:04 PM



#12
1,1-Dichloroethene
Concen: 47.01 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	96	Resp	134038
Ion Ratio	100	Lower	Upper
61	153.6	137.9	206.9
98	63.4	51.6	77.4





#13

Acrolein

Concen: 153.92 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 56 Resp: 67199

Ion Ratio Lower Upper

56 100

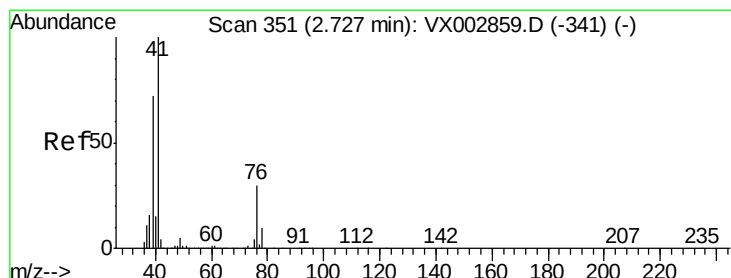
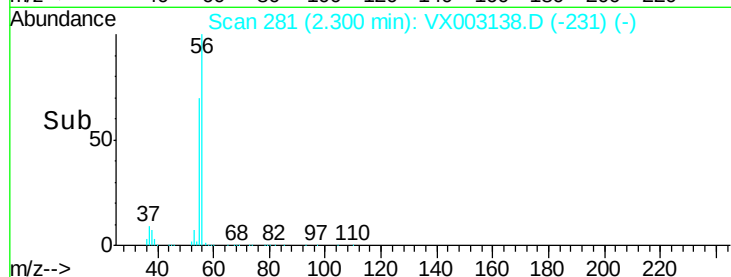
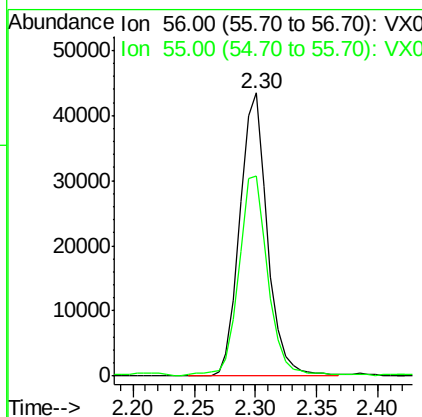
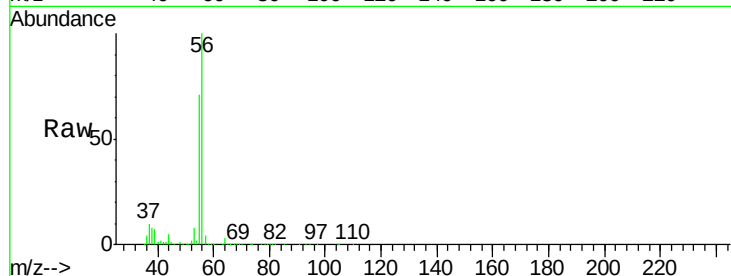
55 74.2 57.0 85.4

Manual Integrations

APPROVED

sam

7/3/2018 3:54:04 PM



#14

Allyl chloride

Concen: 45.92 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

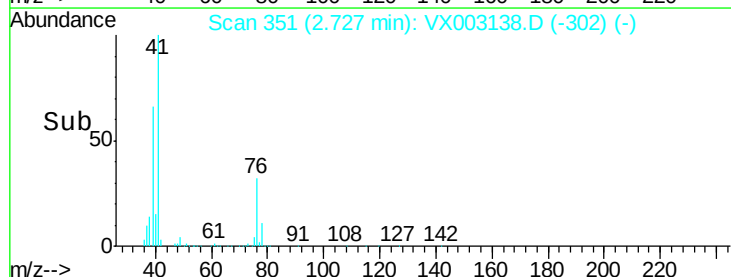
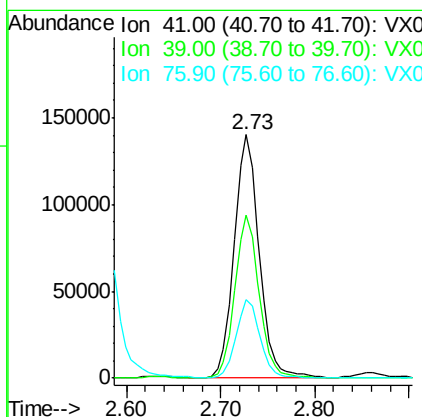
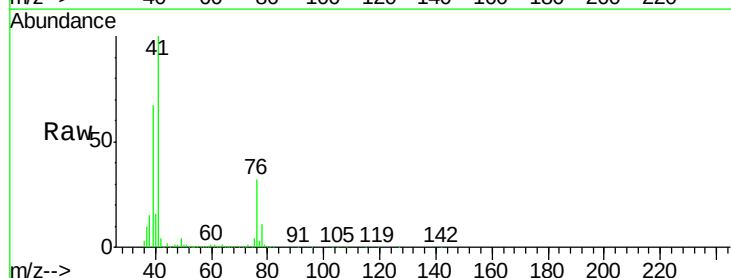
Tgt Ion: 41 Resp: 258088

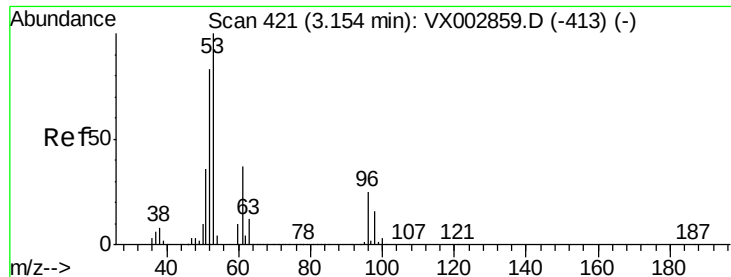
Ion Ratio Lower Upper

41 100

39 64.3 56.8 85.2

76 30.6 23.8 35.8





#15

Acrylonitrile

Concen: 249.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

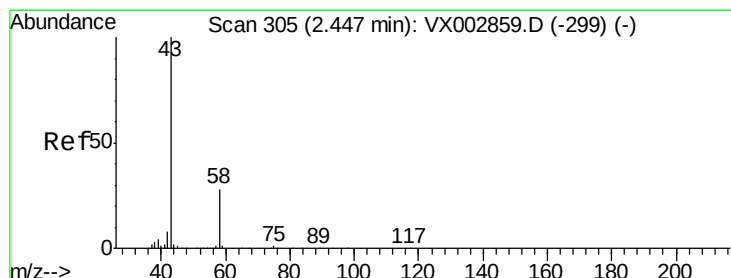
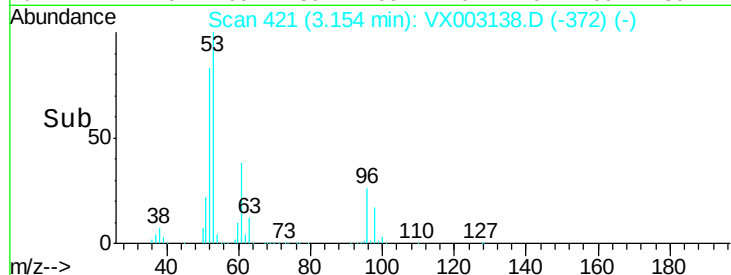
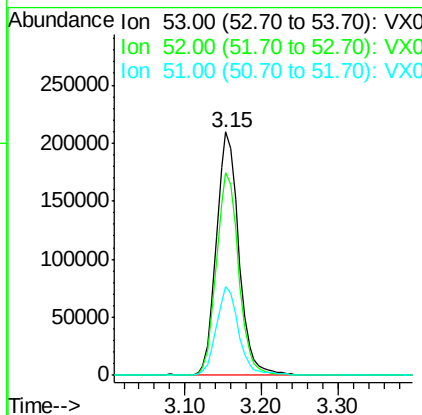
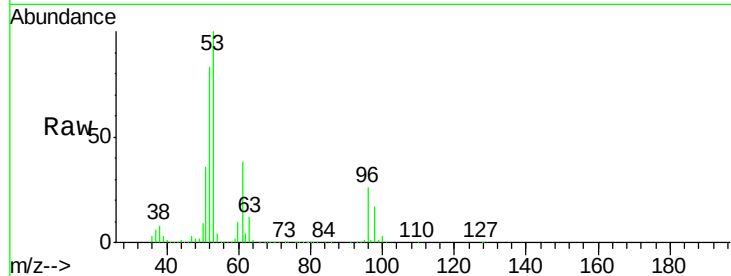
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	53	Resp:	424970
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	36.5	29.9	44.9

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#16

Acetone

Concen: 239.37 ug/l

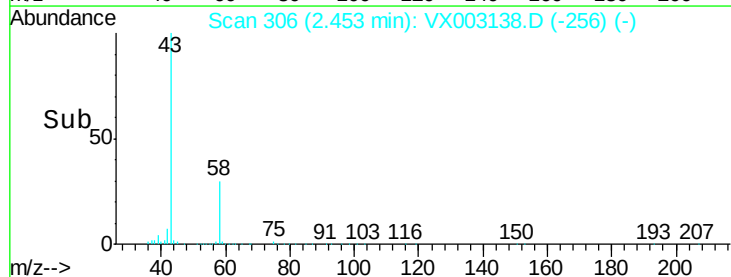
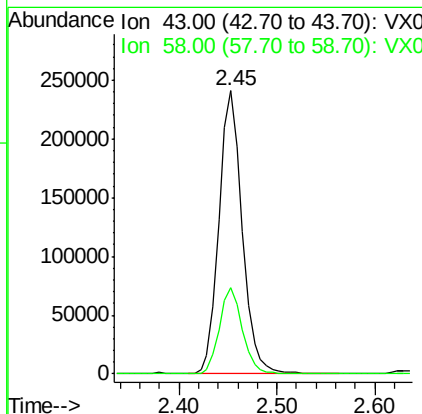
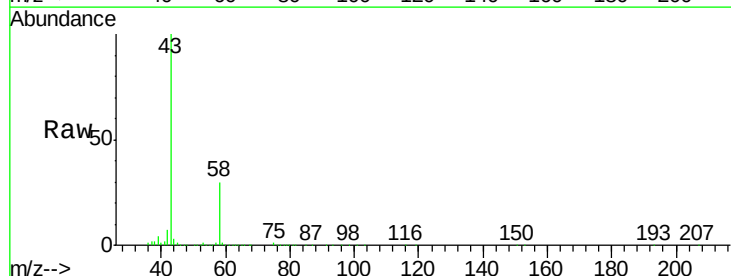
RT: 2.45 min Scan# 306

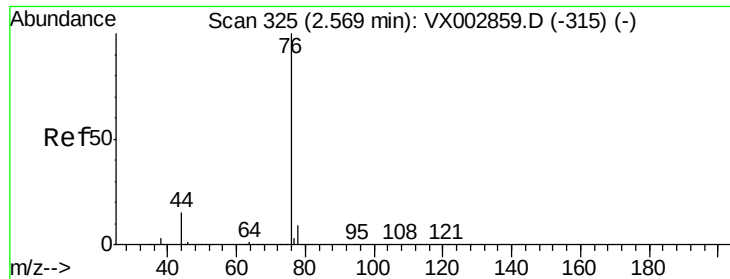
Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	43	Resp:	396128
Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.1	33.1





#17

Carbon Disulfide

Concen: 49.58 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 76 Resp: 376667

Ion Ratio Lower Upper

76 100

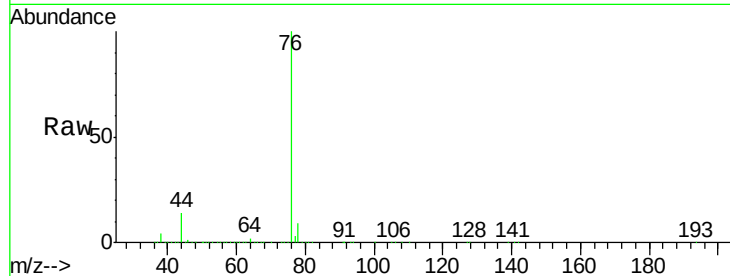
78 9.0 6.9 10.3

Manual Integrations

APPROVED

sam

7/3/2018 3:54:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

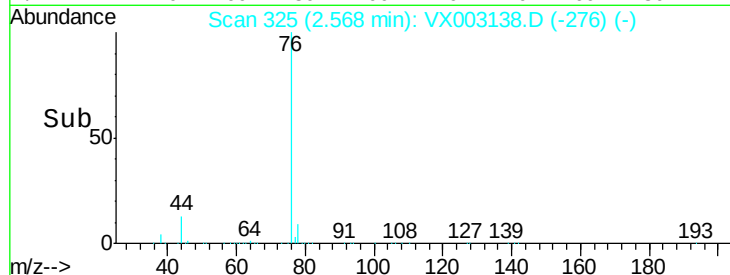
150000

100000

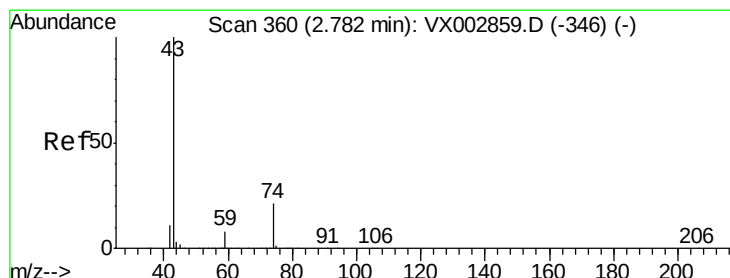
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.10 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003138.D

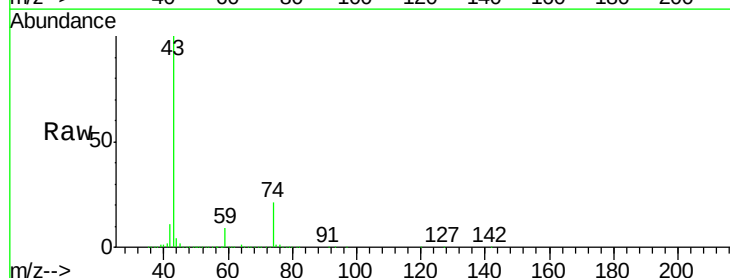
Acq: 02 Jul 2018 20:11

Tgt Ion: 43 Resp: 217912

Ion Ratio Lower Upper

43 100

74 21.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

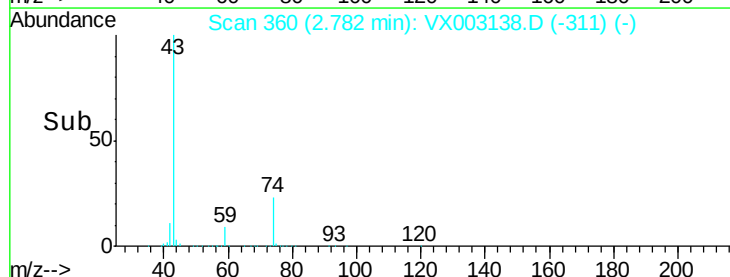
Ion 74.00 (73.70 to 74.70): VX0

100000

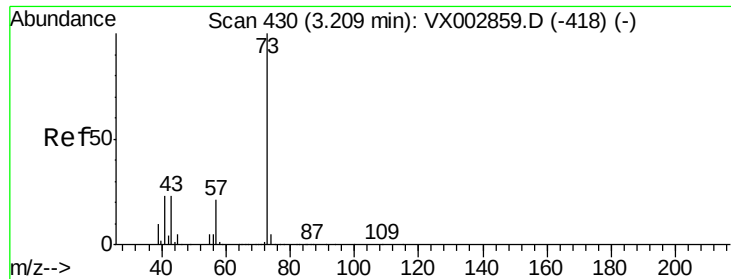
50000

0

Time-->



Time-->



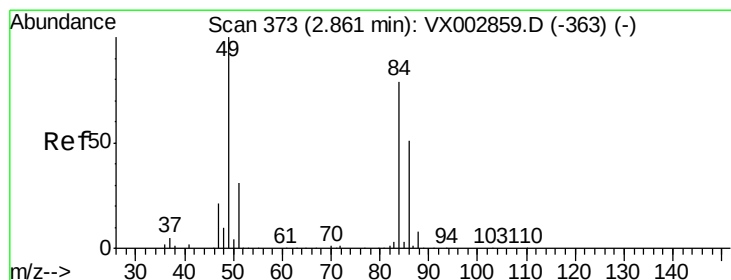
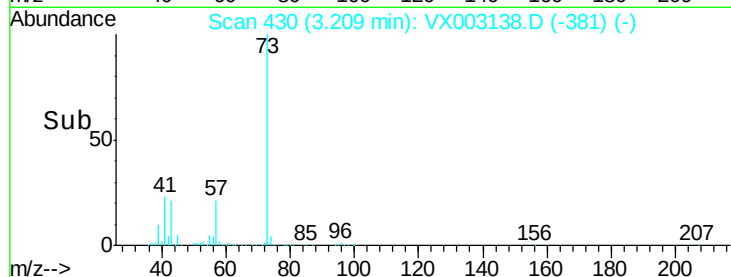
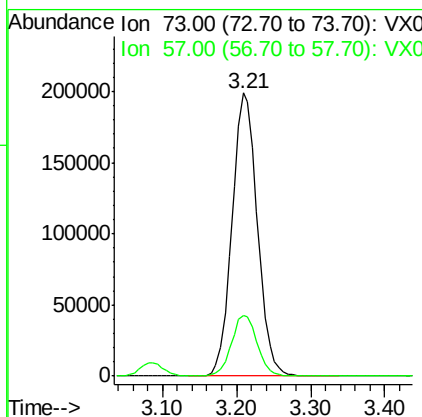
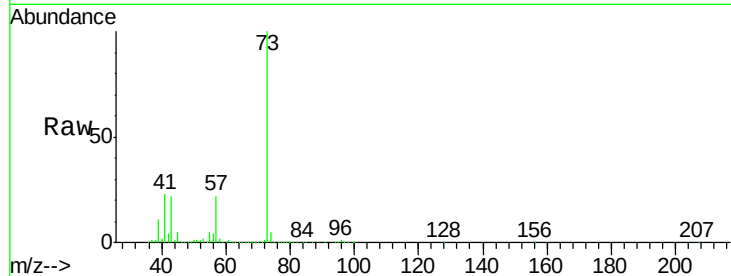
#19
Methyl tert-butyl Ether
Concen: 46.23 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion: 73 Resp: 473873
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5

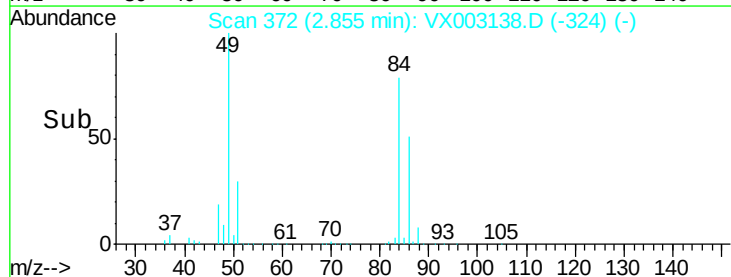
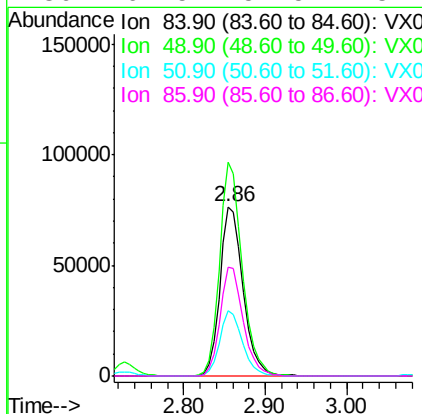
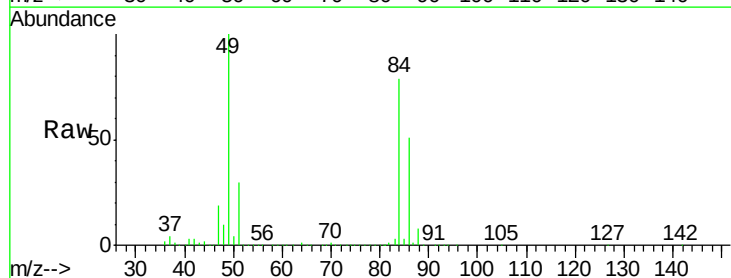
Manual Integrations
APPROVED

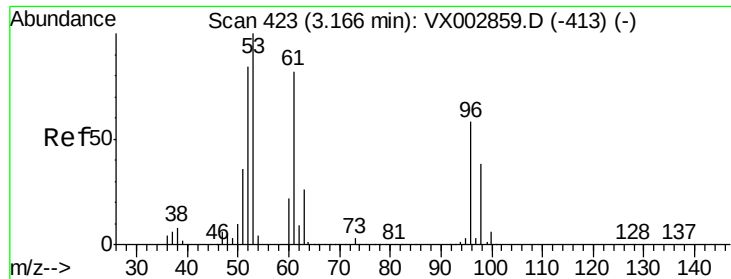
sam
7/3/2018 3:54:04 PM



#20
Methylene Chloride
Concen: 46.80 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 84 Resp: 150720
Ion Ratio Lower Upper
84 100
49 126.1 107.8 161.6
51 38.3 32.8 49.2
86 64.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

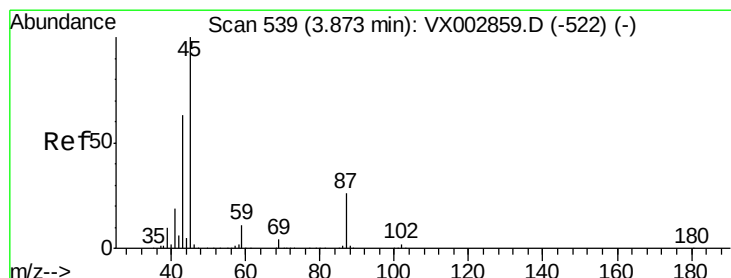
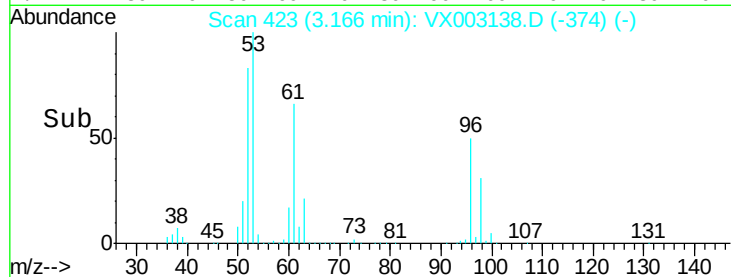
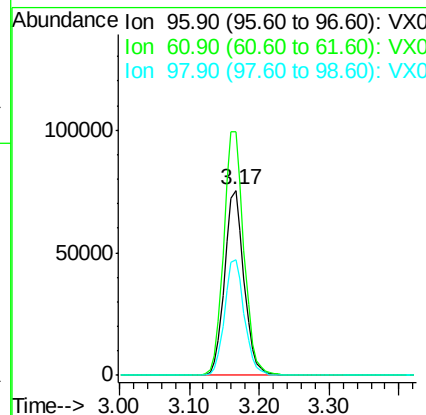
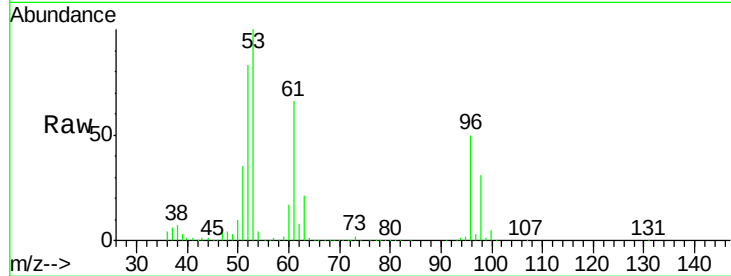
SP18-MMW-3414MSD

Tot Ion:	96	Resp:	145563
Ion	Ratio	Lower	Upper
96	100		
61	131.6	117.0	175.4
98	62.9	52.4	78.6

Manual Integrations
APPROVED

sam

7/3/2018 3:54:04 PM



#22

Diisopropyl ether

Concen: 45.41 ug/l

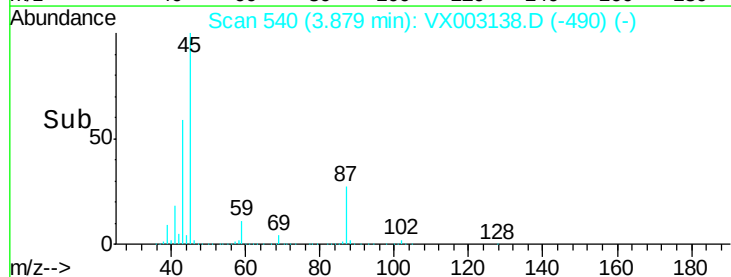
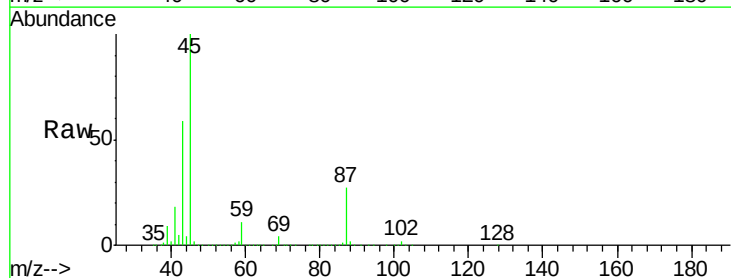
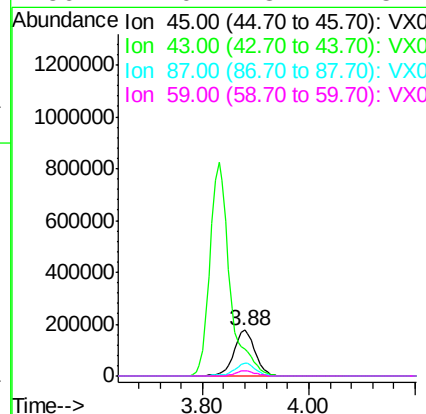
RT: 3.88 min Scan# 540

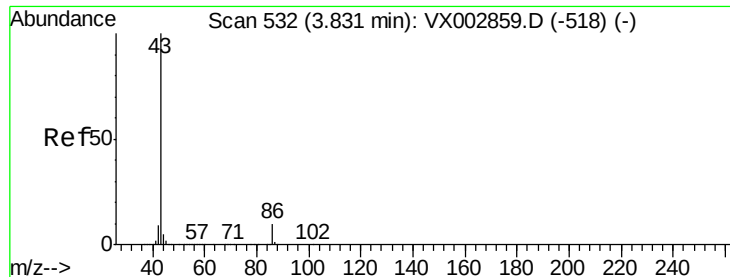
Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	45	Resp:	487888
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.8	70.2
87	27.3	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 232.87 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 43 Resp: 2118504

Ion Ratio Lower Upper

43 100

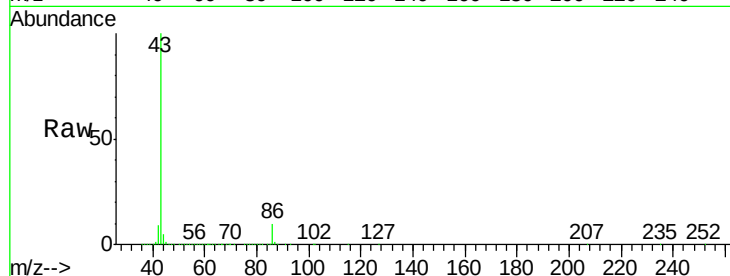
86 9.8 7.4 11.0

Manual Integrations

APPROVED

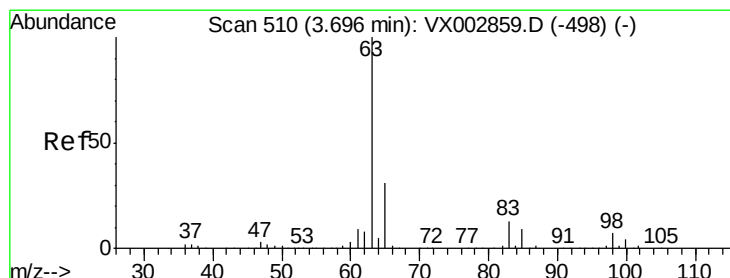
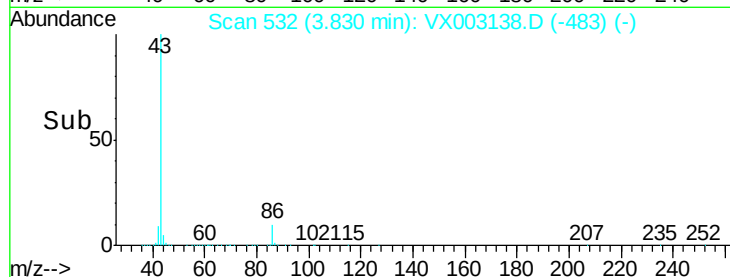
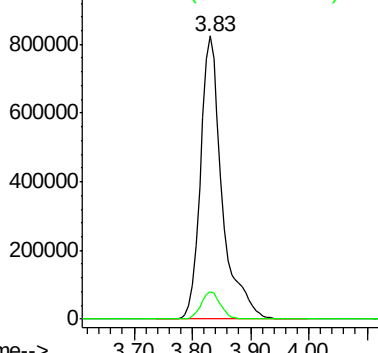
sam

7/3/2018 3:54:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.27 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

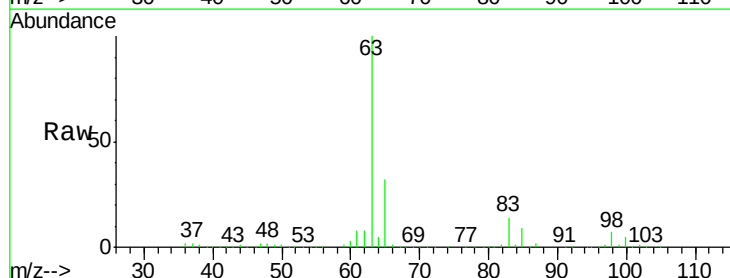
Tgt Ion: 63 Resp: 270204

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

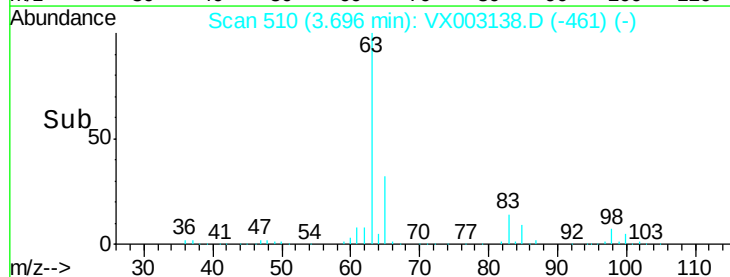
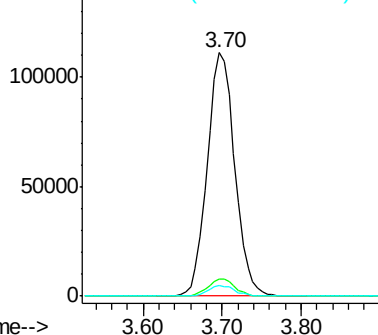
100 4.6 2.0 6.0

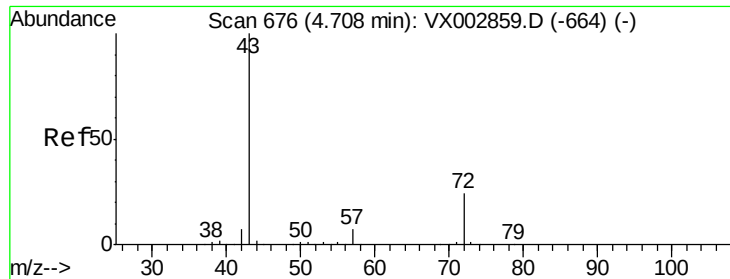


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 269.48 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 43 Resp: 661840

Ion Ratio Lower Upper

43 100

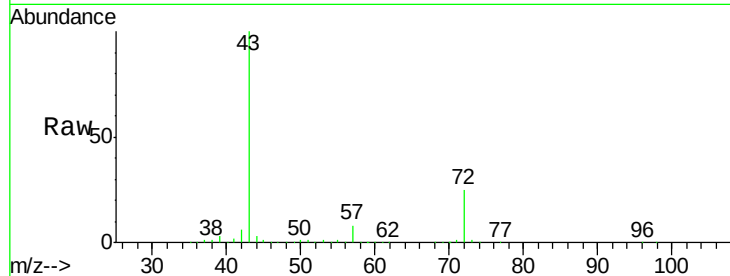
72 24.6 18.5 27.7

Manual Integrations

APPROVED

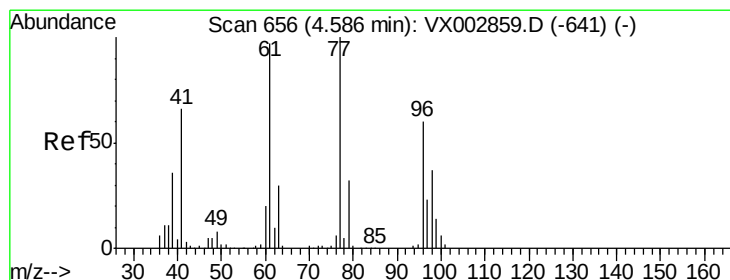
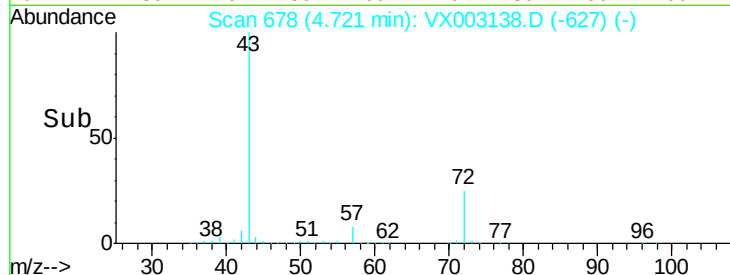
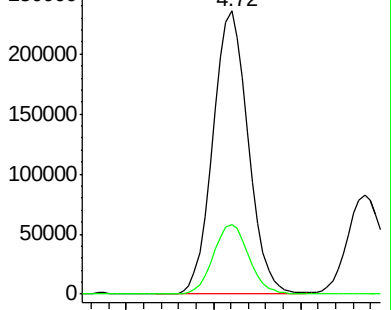
sam

7/3/2018 3:54:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.77 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003138.D

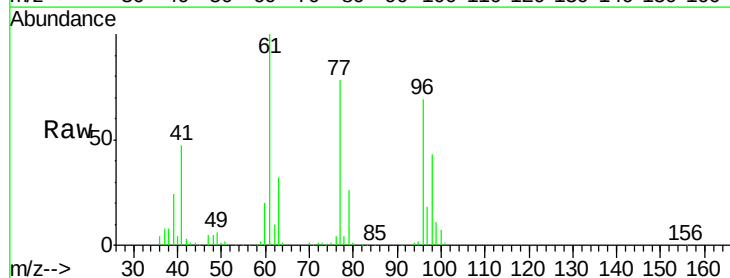
Acq: 02 Jul 2018 20:11

Tgt Ion: 77 Resp: 174606

Ion Ratio Lower Upper

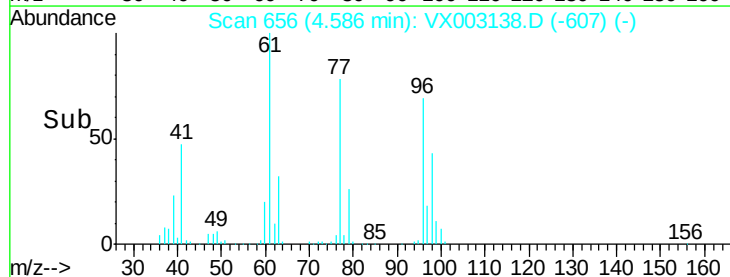
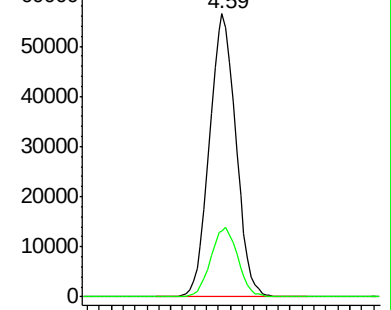
77 100

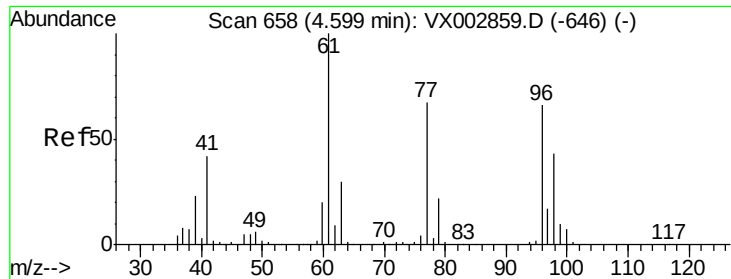
97 25.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 55.58 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

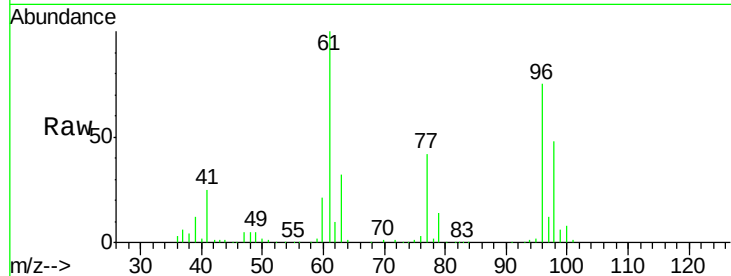
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	96	Resp:	193541
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	330.2
98	64.1	0.0	130.2

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM

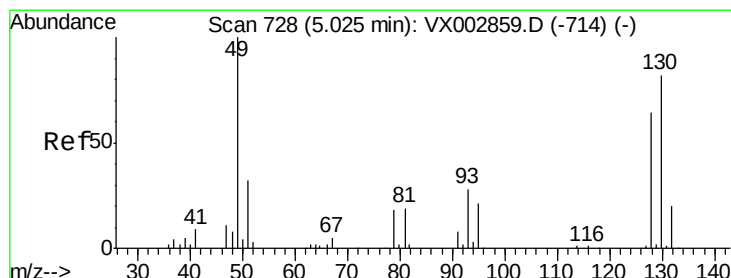
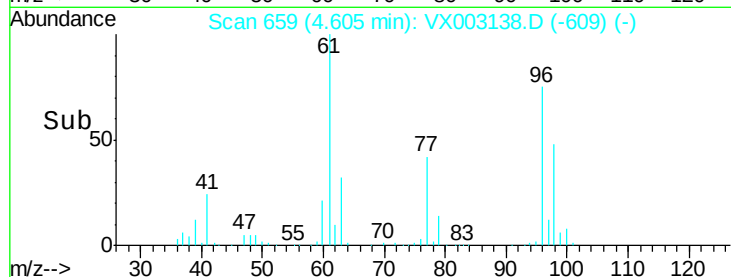
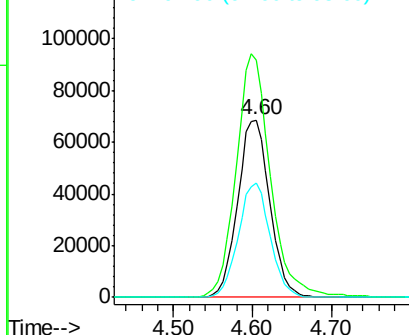


Abundance

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



#28

Bromochloromethane

Concen: 47.61 ug/l

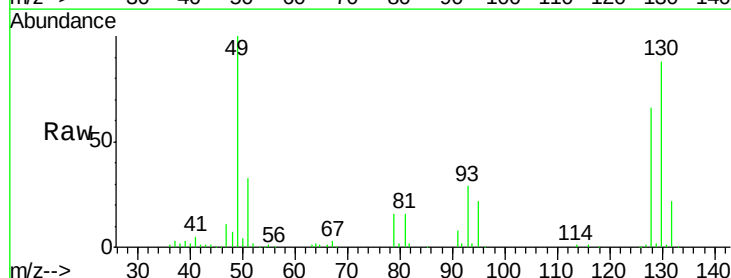
RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	49	Resp:	133063
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	86.1	61.2	91.8

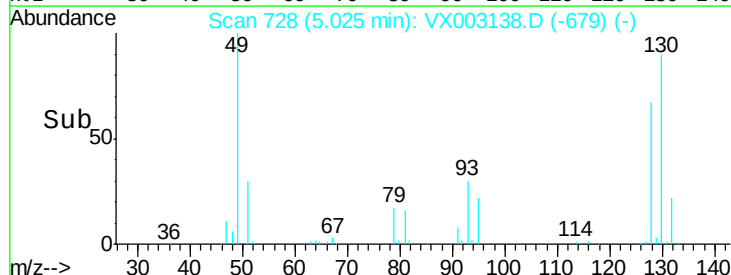
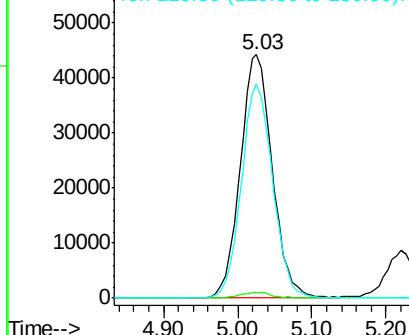


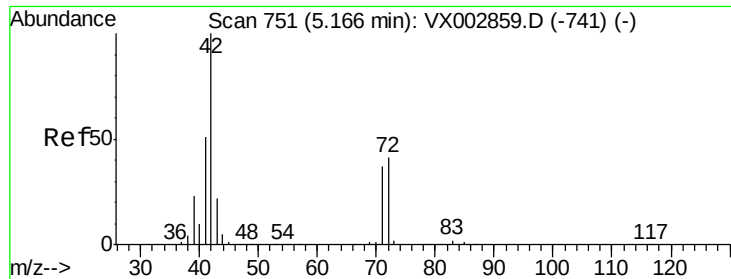
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





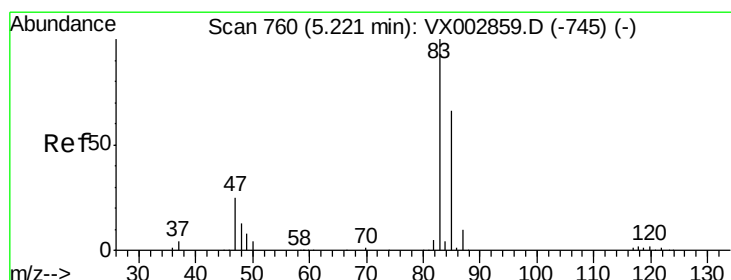
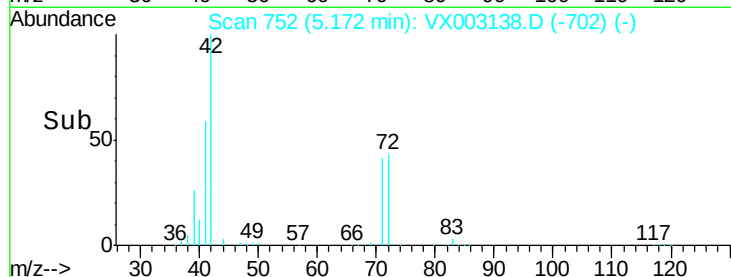
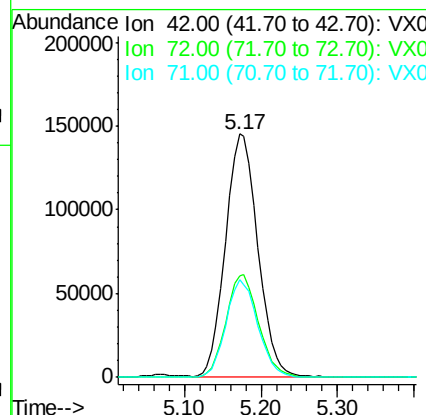
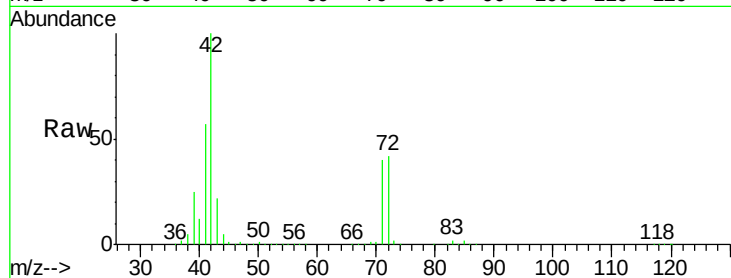
#29
Tetrahydrofuran
Concen: 269.51 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	32.0	48.0
71	39.7	30.1	45.1

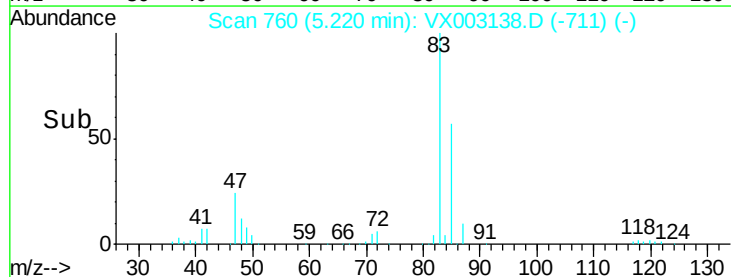
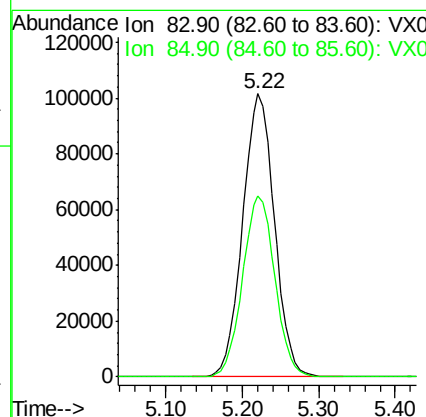
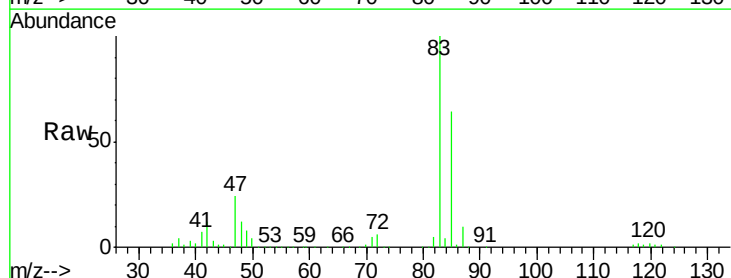
Manual Integrations
APPROVED

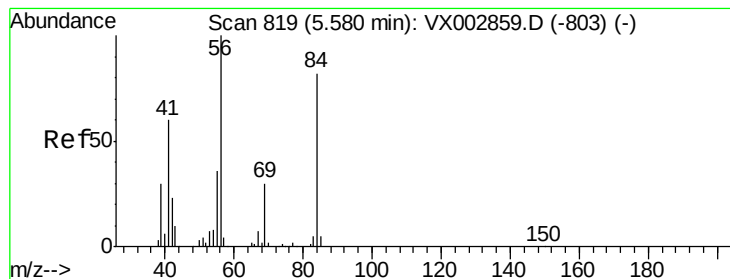
sam
7/3/2018 3:54:04 PM



#30
Chloroform
Concen: 48.89 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.4	75.6





#31

Cyclohexane

Concen: 49.28 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

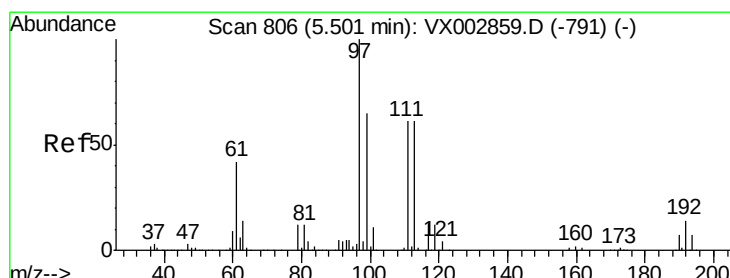
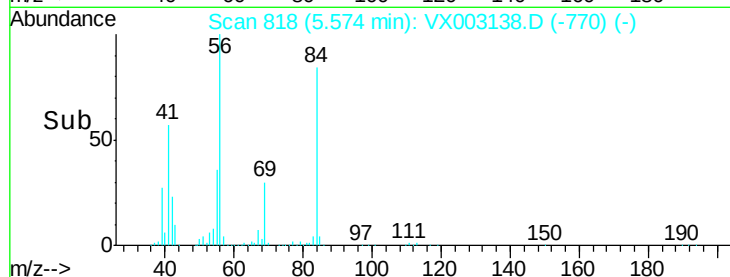
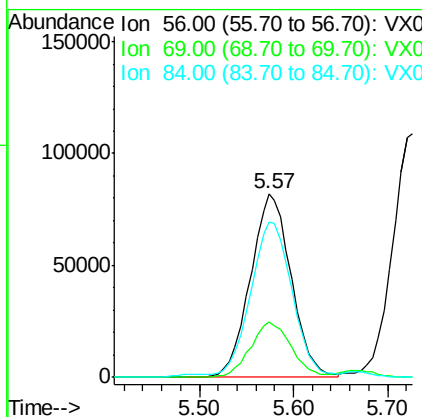
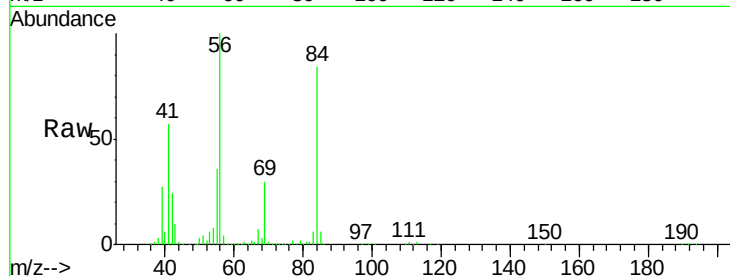
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	56	Resp:	246977
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.7	35.5
84	82.8	64.1	96.1

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#32

1,1,1-Trichloroethane

Concen: 49.56 ug/l

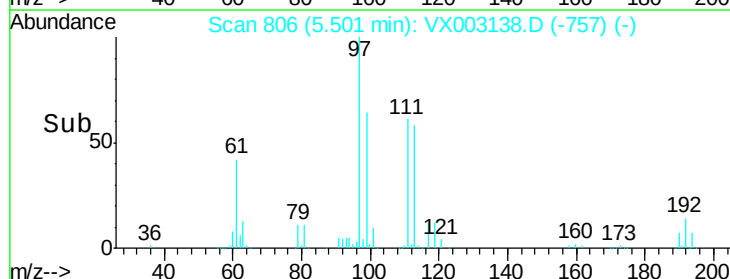
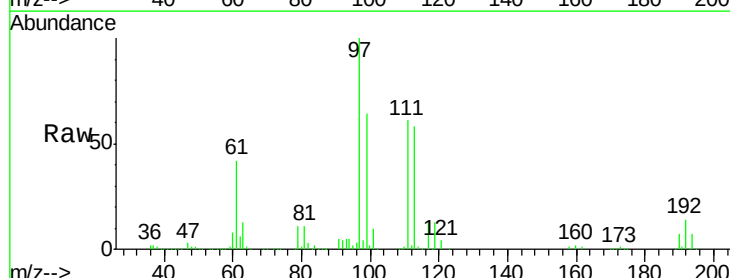
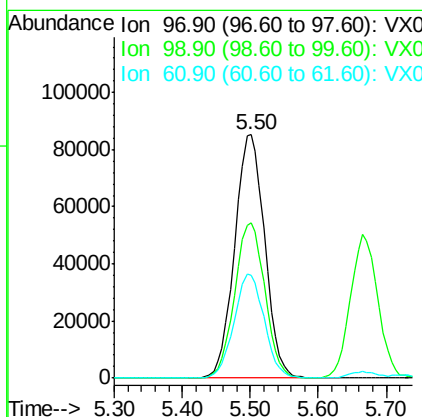
RT: 5.50 min Scan# 806

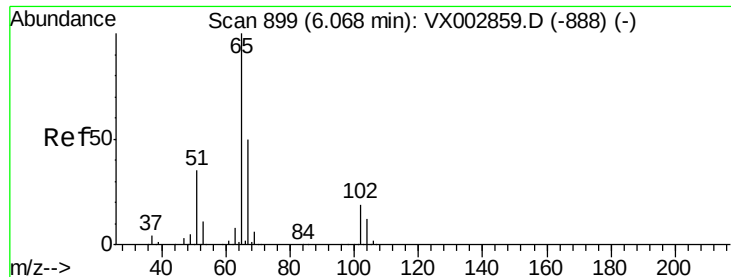
Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	97	Resp:	261286
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.2	36.4	54.6





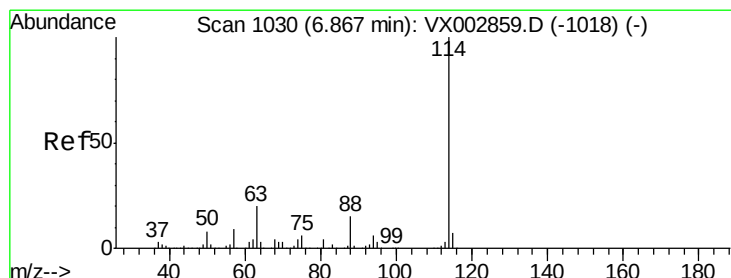
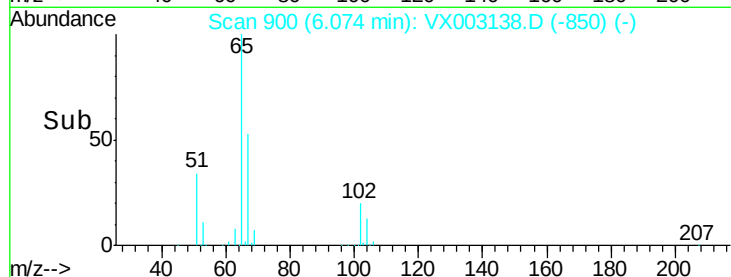
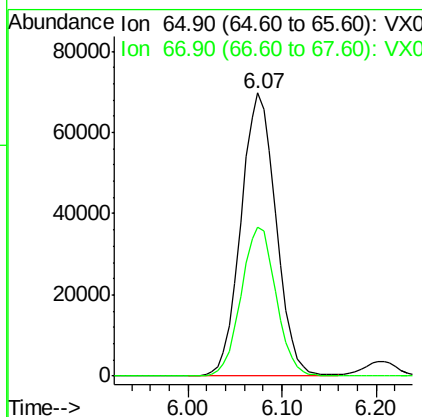
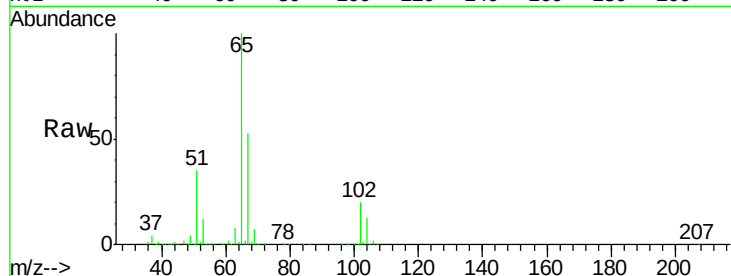
#33
 1,2-Dichloroethane-d4
 Concen: 45.22 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	102.6	

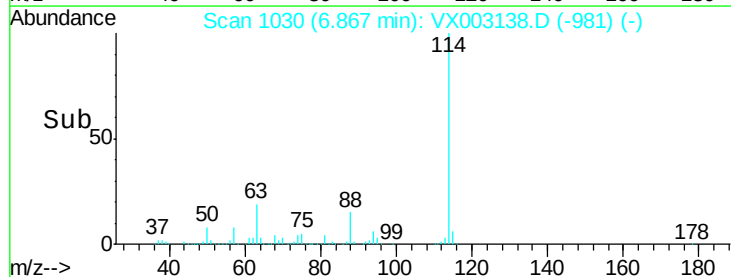
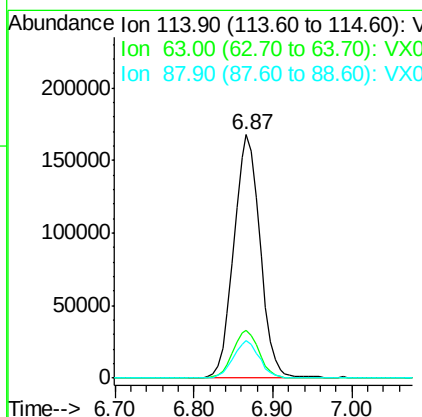
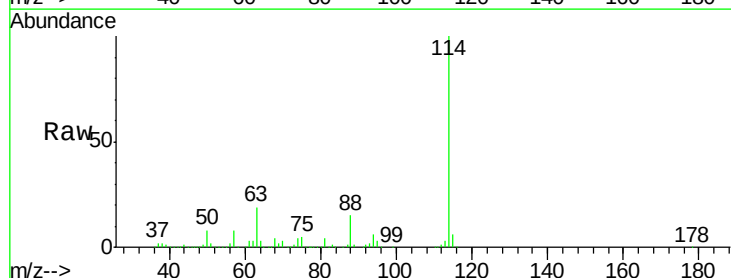
Manual Integrations
 APPROVED

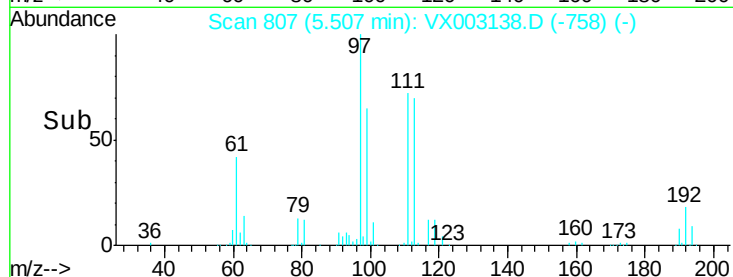
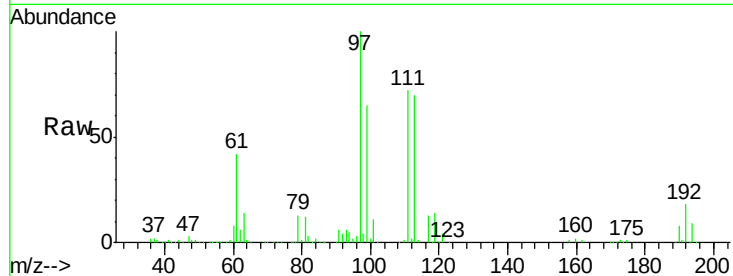
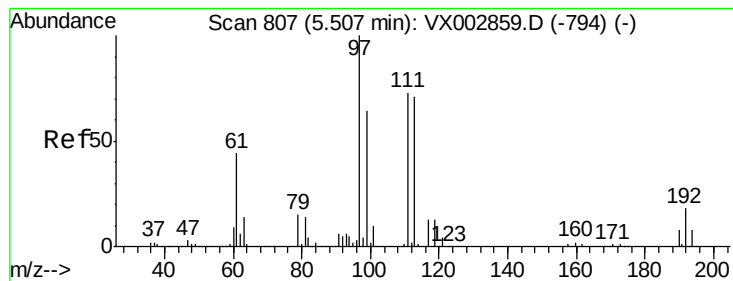
sam
 7/3/2018 3:54:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	41.4	
88	15.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.52 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003138.D

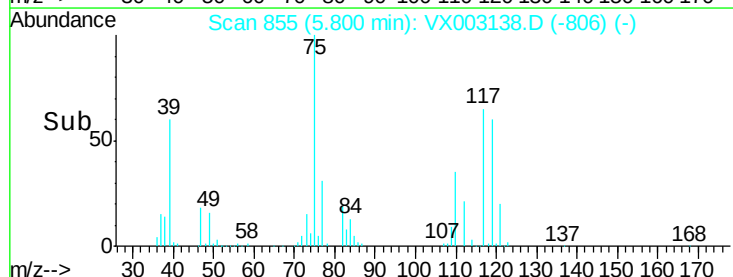
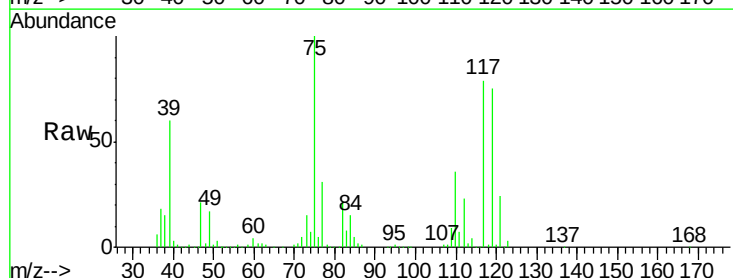
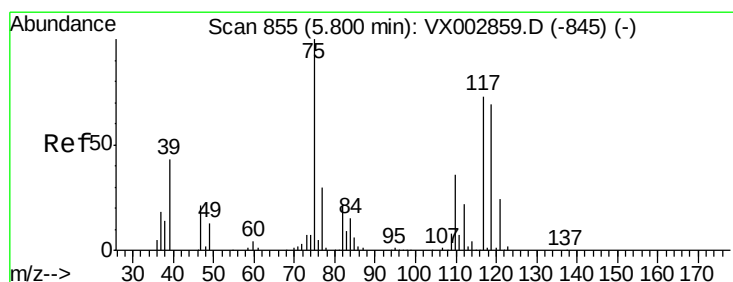
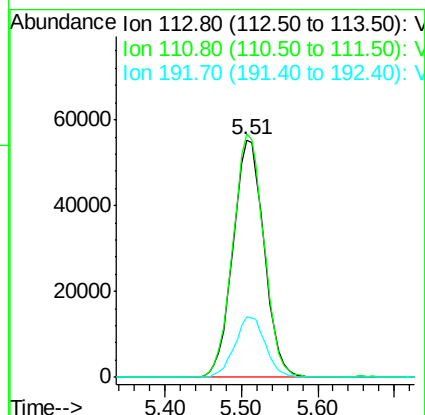
Acq: 02 Jul 2018 20:11

Tot Ion:	113	Resp:	155573
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	25.1	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#36

1,1-Dichloropropene

Concen: 48.97 ug/l

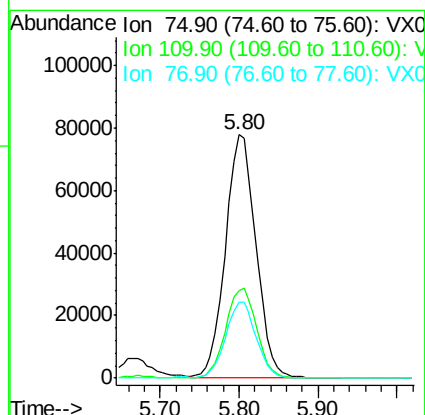
RT: 5.80 min Scan# 855

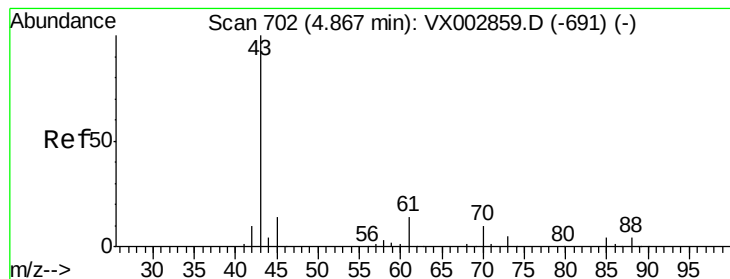
Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	75	Resp:	208827
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.1	54.4
77	31.4	24.3	36.5





#37

Ethyl Acetate

Concen: 52.20 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

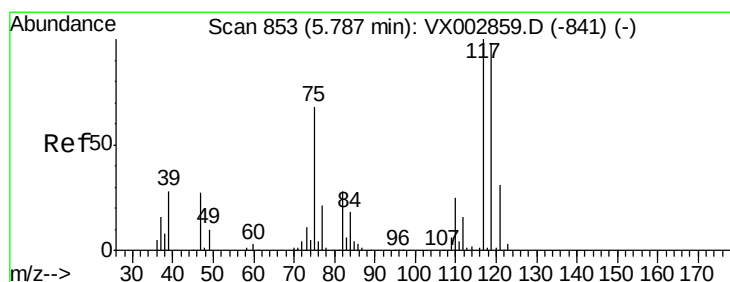
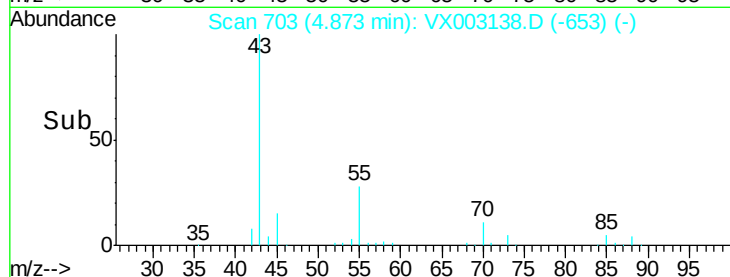
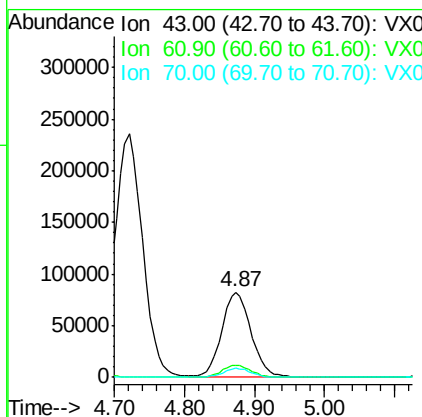
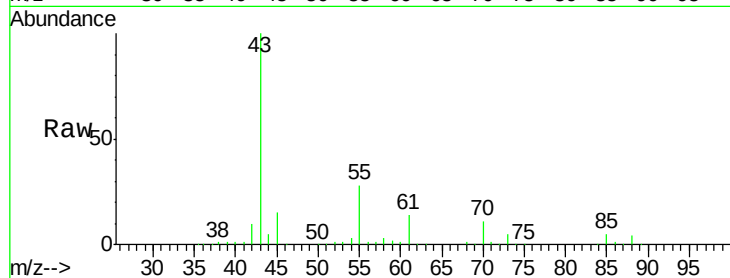
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	43	Resp:	239681
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	10.6	7.6	11.4

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#38

Carbon Tetrachloride

Concen: 49.82 ug/l

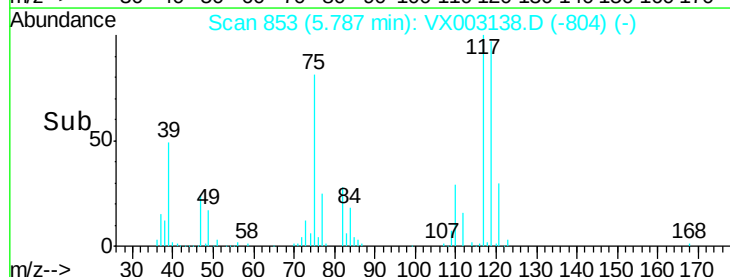
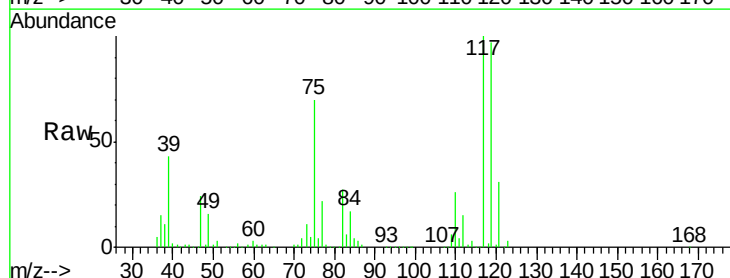
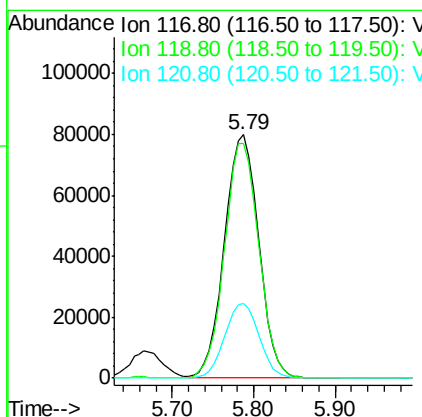
RT: 5.79 min Scan# 853

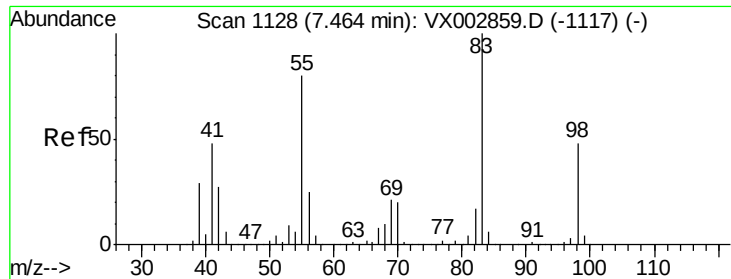
Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	117	Resp:	233150
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
121	30.5	24.4	36.6





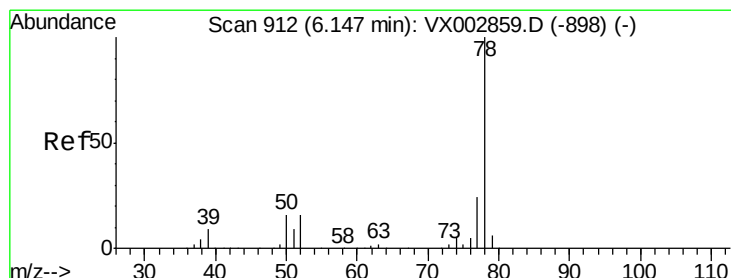
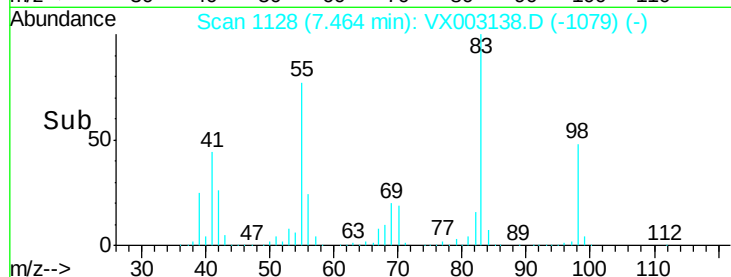
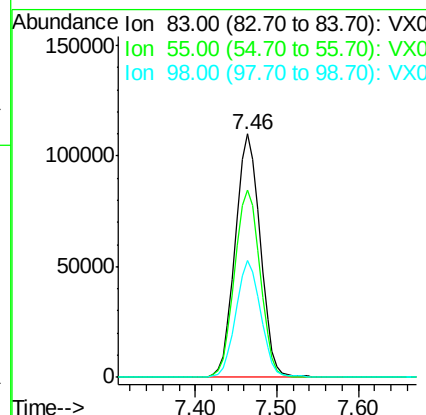
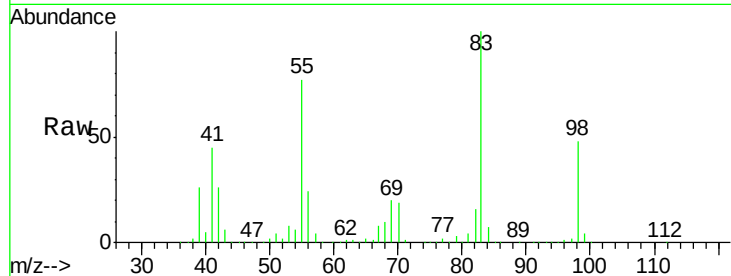
#39
Methylvlcyclohexane
Concen: 46.84 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	232659		
55	76.7		65.4	98.0
98	47.8		37.4	56.0

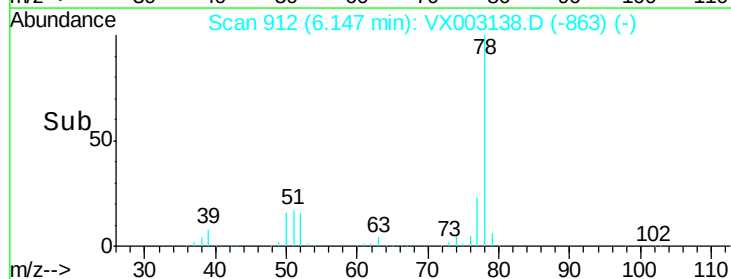
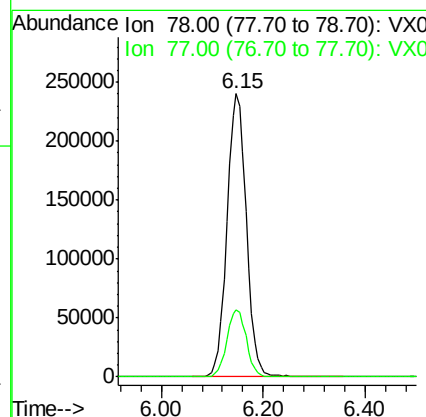
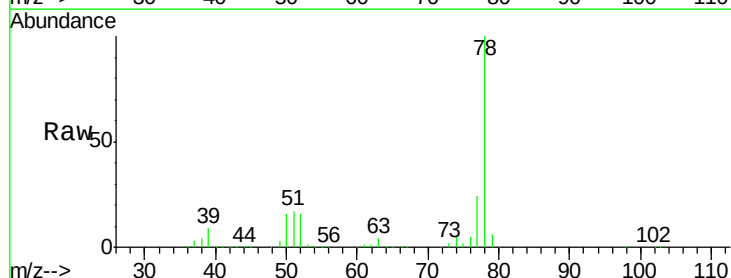
Manual Integrations
APPROVED

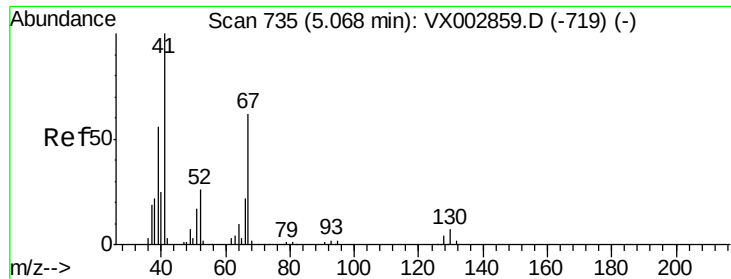
sam
7/3/2018 3:54:04 PM



#40
Benzene
Concen: 50.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	629777		
77	23.7		19.1	28.7





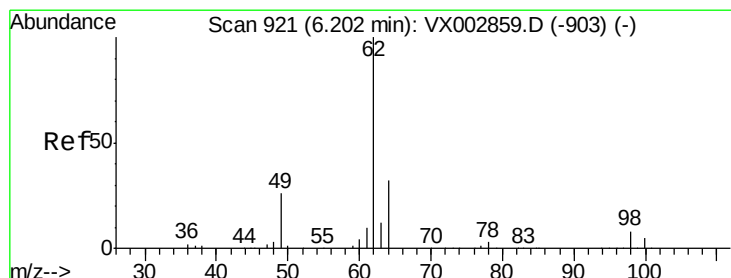
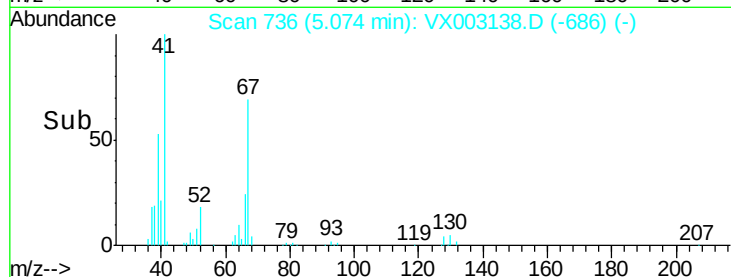
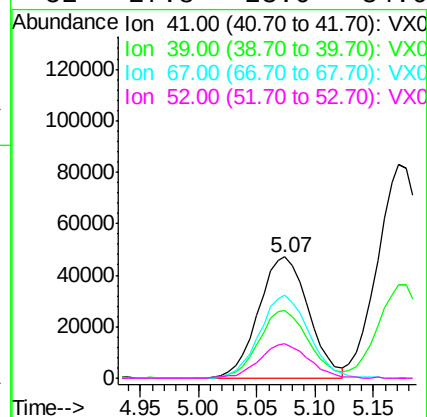
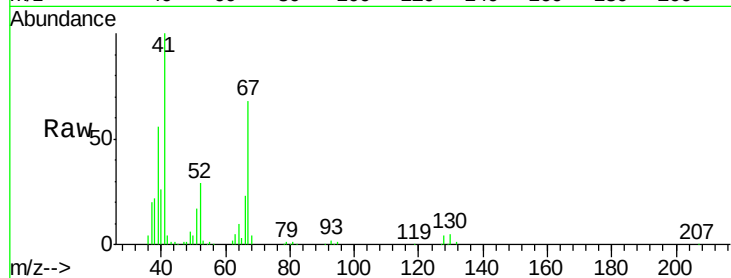
#41
Methacrylonitrile
Concen: 52.75 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.1	45.8	68.6		
67	67.9	51.3	76.9		
52	27.8	23.0	34.6		

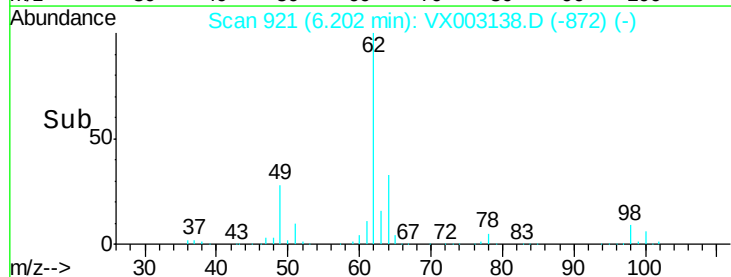
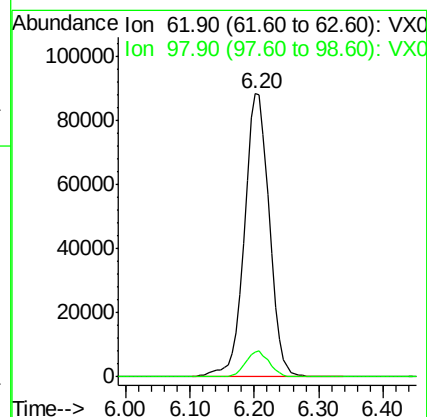
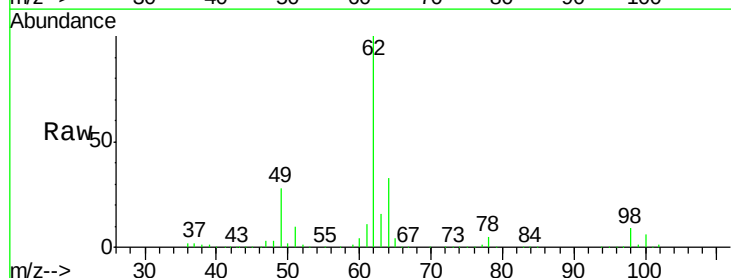
Manual Integrations
APPROVED

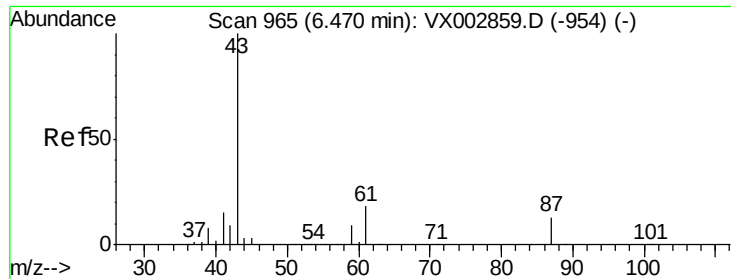
sam
7/3/2018 3:54:04 PM



#42
1,2-Dichloroethane
Concen: 46.88 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.9	0.0	16.6		





#43

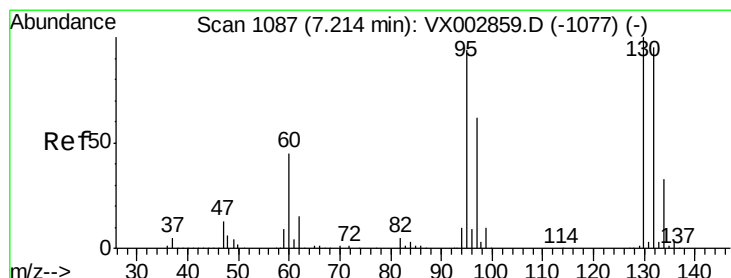
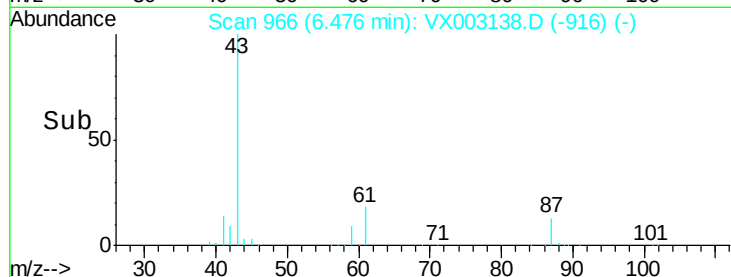
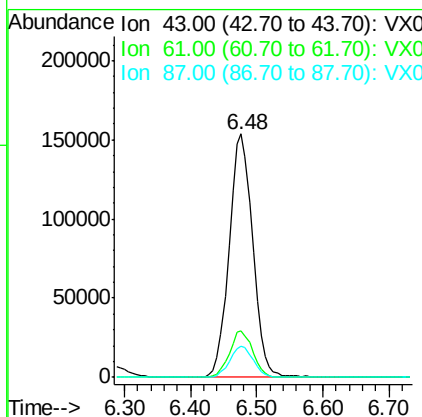
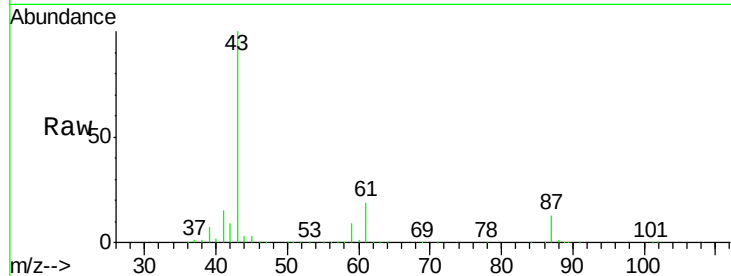
Isopropyl Acetate
 Concen: 49.07 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	12.7	9.5	14.3

Manual Integrations
 APPROVED

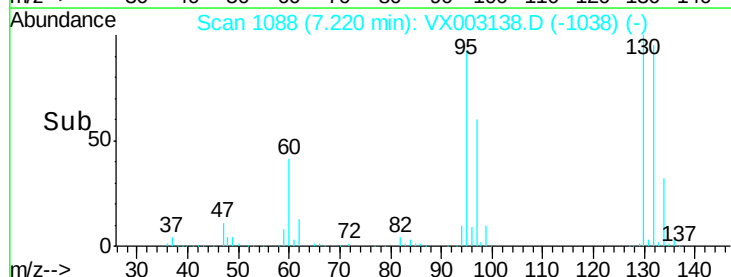
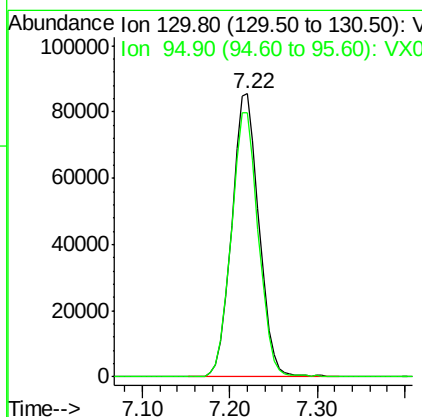
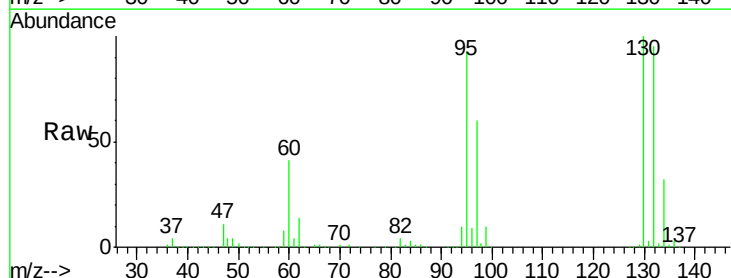
sam
 7/3/2018 3:54:04 PM

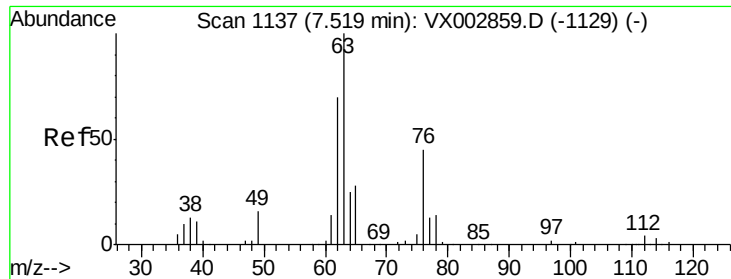


#44

Trichloroethene
 Concen: 50.09 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	185.4





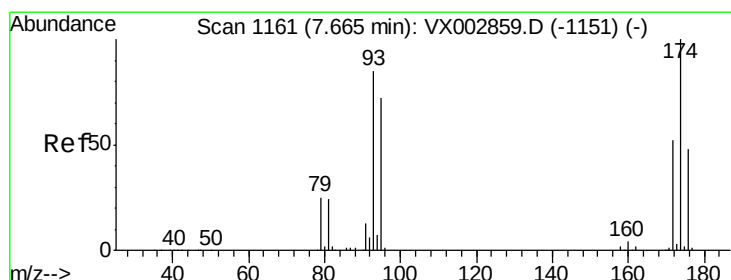
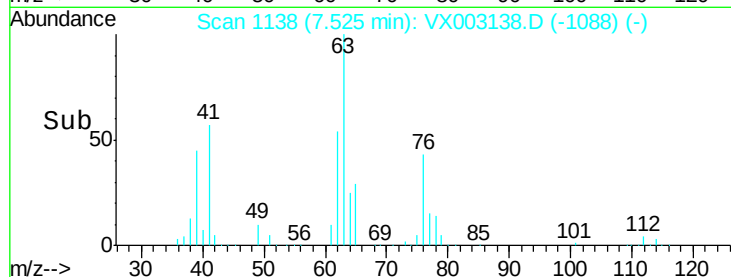
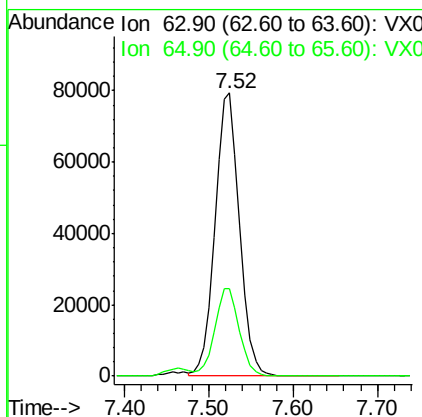
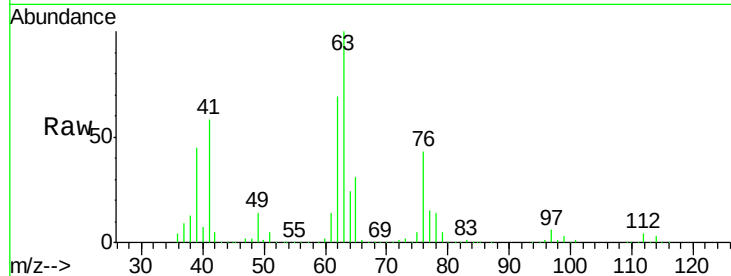
#45
 1,2-Dichloropropane
 Concen: 48.41 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion: 63 Resp: 159136
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

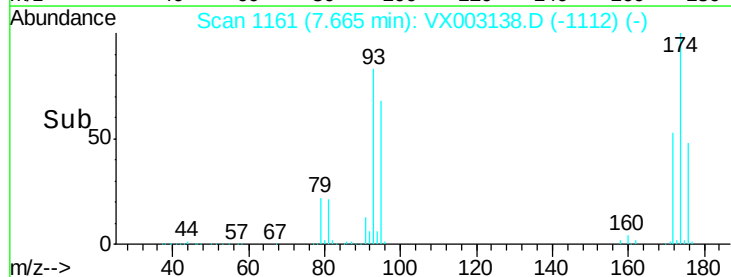
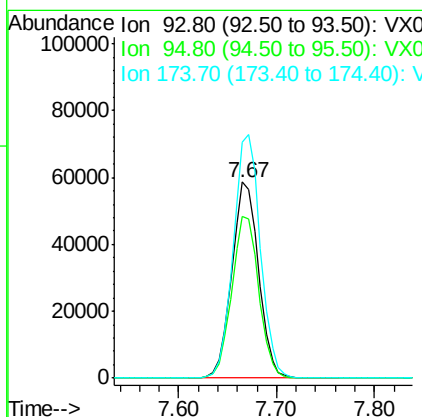
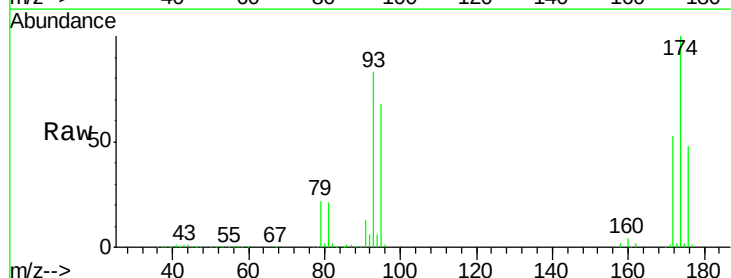
Manual Integrations
 APPROVED

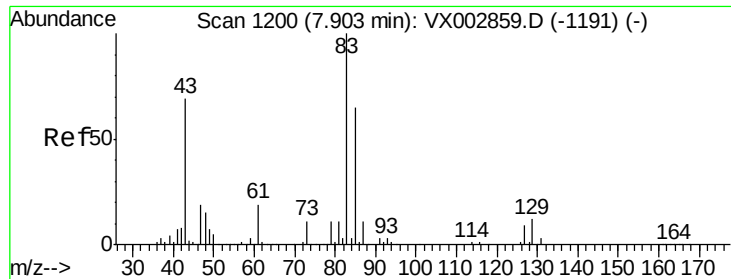
sam
 7/3/2018 3:54:04 PM



#46
 Dibromomethane
 Concen: 48.99 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 93 Resp: 111757
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 125.2 92.4 138.6





#47

Bromodichloromethane

Concen: 50.26 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

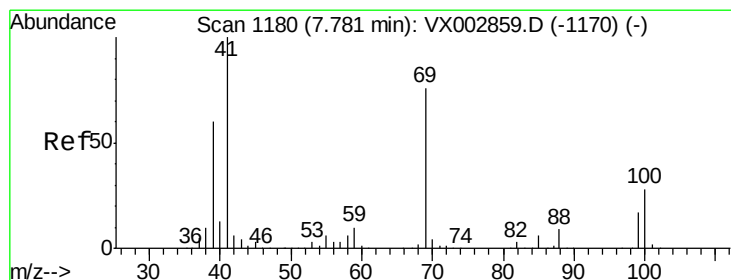
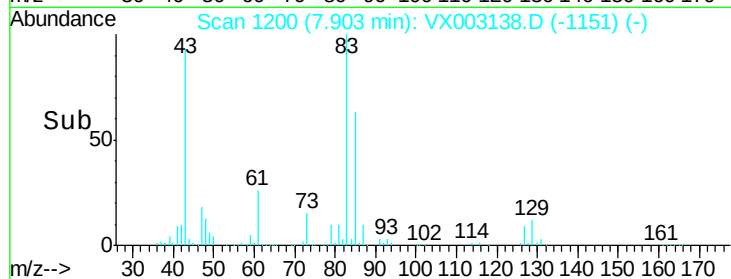
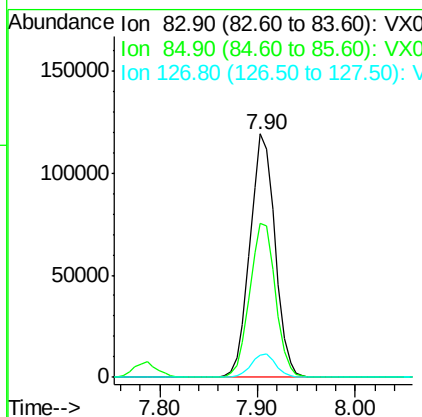
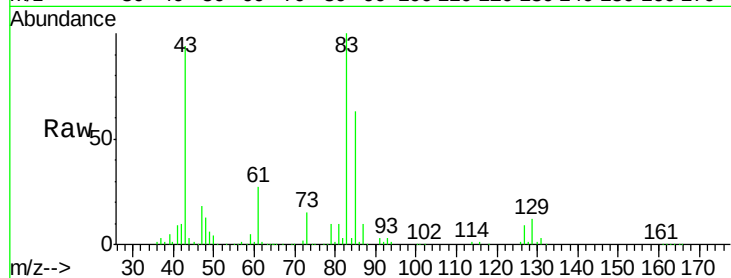
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	83	Resp:	211961
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#48

Methyl methacrylate

Concen: 50.59 ug/l

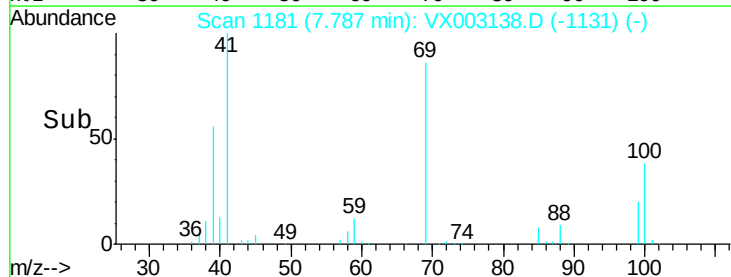
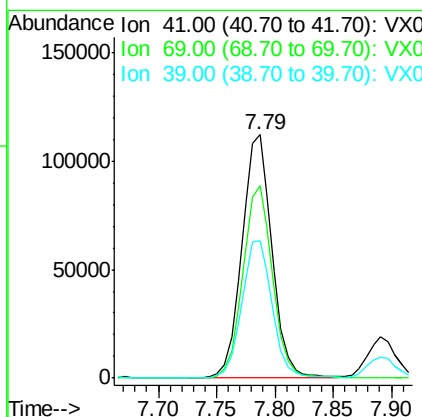
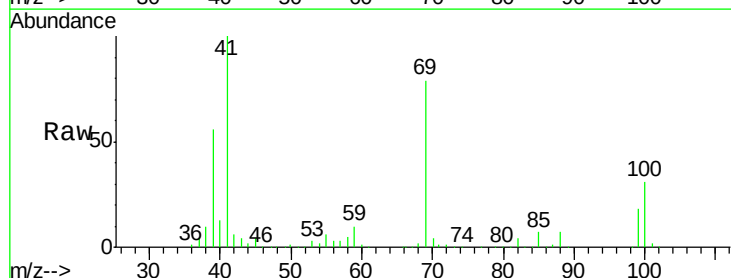
RT: 7.79 min Scan# 1181

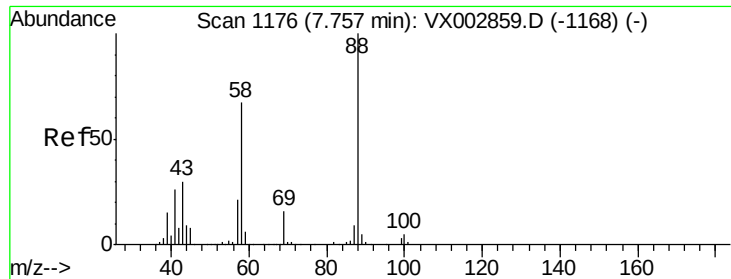
Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	41	Resp:	200735
Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.1	88.7
39	57.1	48.9	73.3





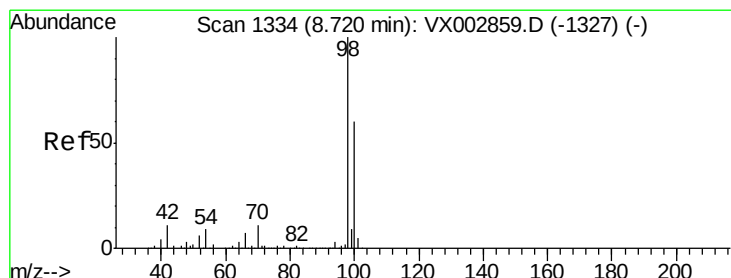
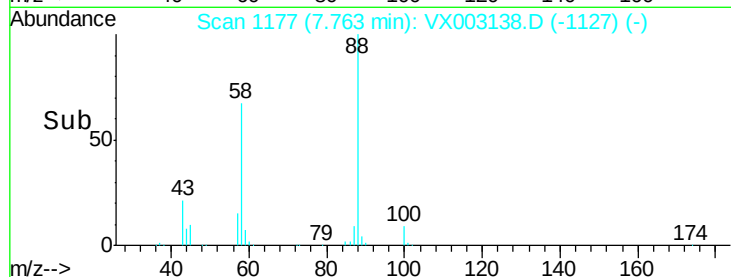
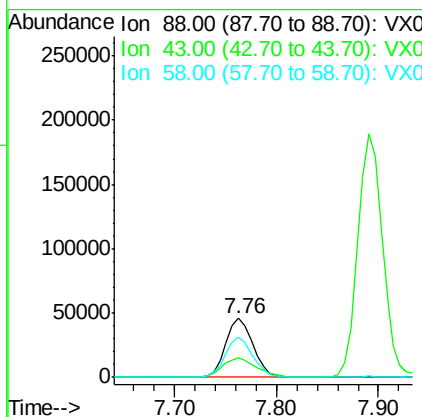
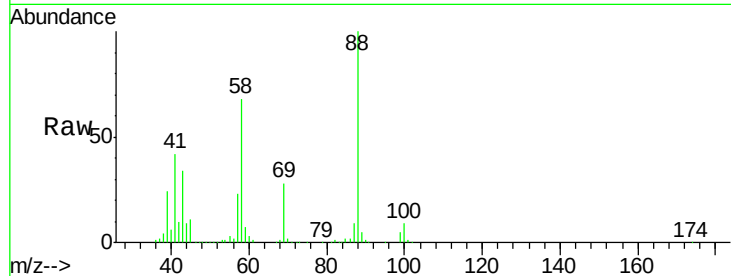
#49
1,4-Dioxane
Concen: 1097.09 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.8	29.8	44.6	
58	68.9	57.1	85.7	

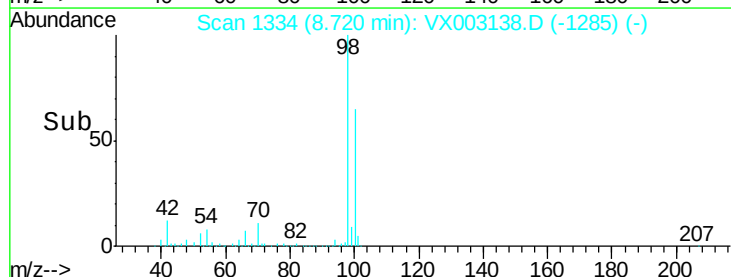
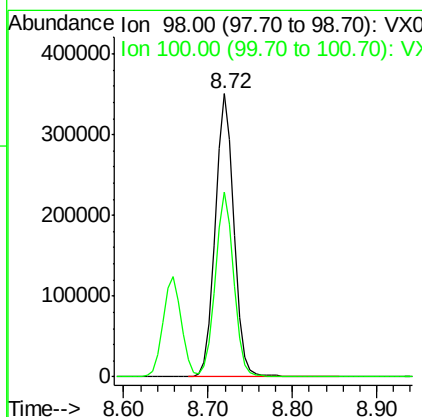
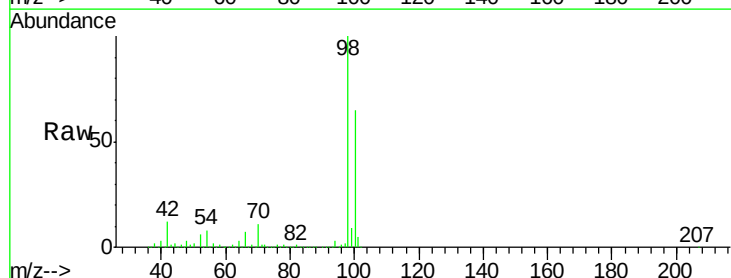
Manual Integrations
APPROVED

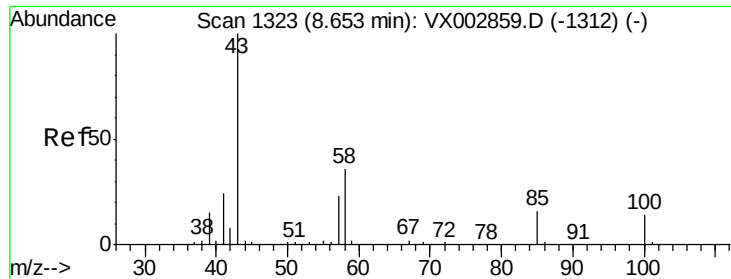
sam
7/3/2018 3:54:04 PM



#50
Toluene-d8
Concen: 47.87 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.6	50.9	76.3	





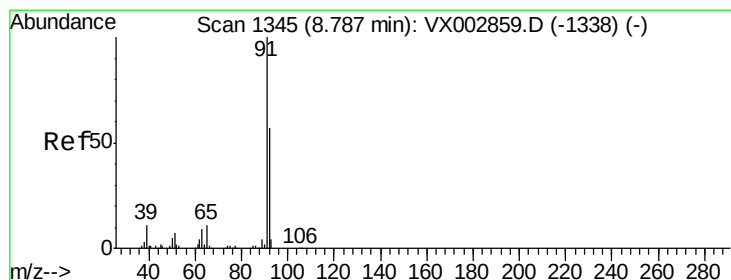
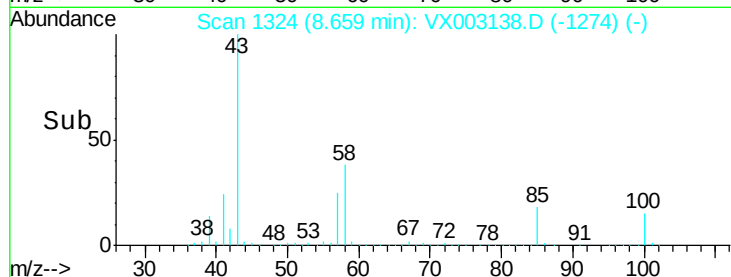
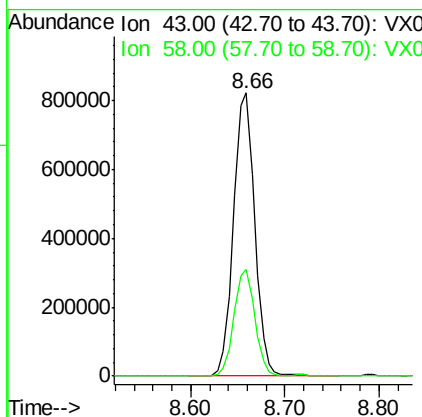
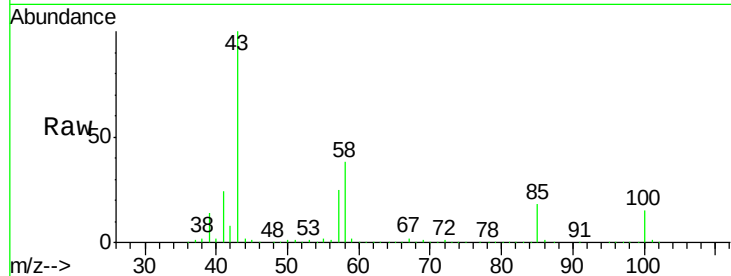
#51
4-Methyl-2-Pentanone
Concen: 266.47 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion: 43 Resp: 1283919
Ion Ratio Lower Upper
43 100
58 37.2 28.6 42.8

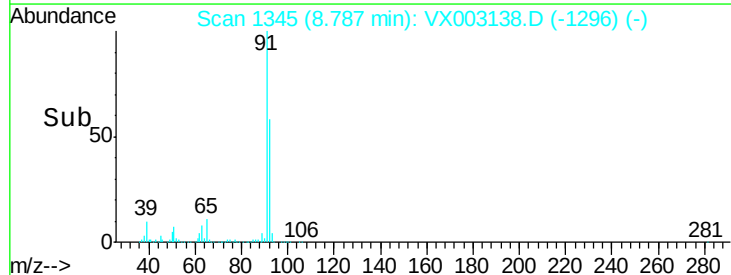
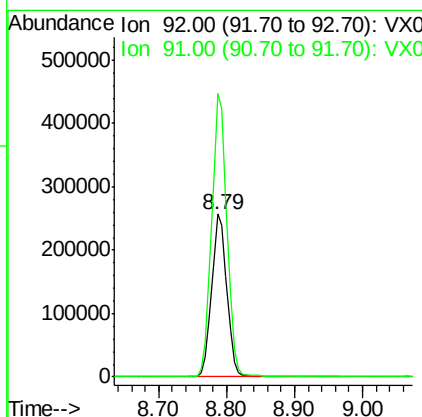
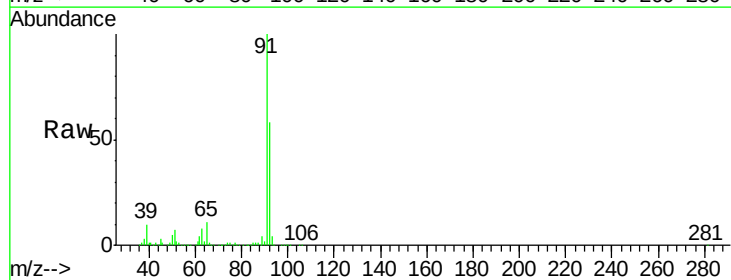
Manual Integrations
APPROVED

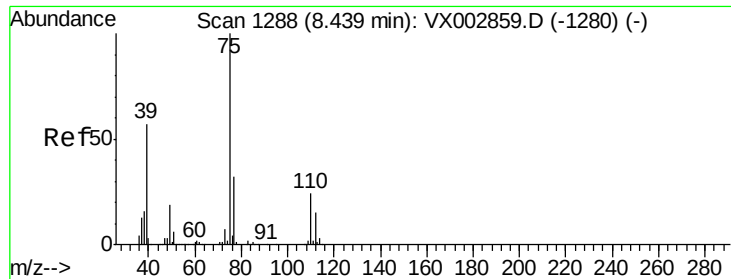
sam
7/3/2018 3:54:04 PM



#52
Toluene
Concen: 50.31 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 92 Resp: 399334
Ion Ratio Lower Upper
92 100
91 174.4 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 50.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 75 Resp: 239683

Ion Ratio Lower Upper

75 100

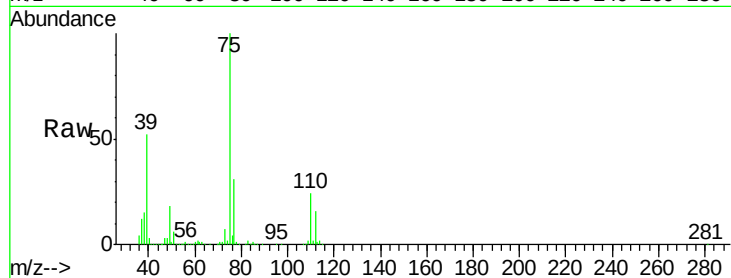
77 31.2 25.4 38.2

Manual Integrations

APPROVED

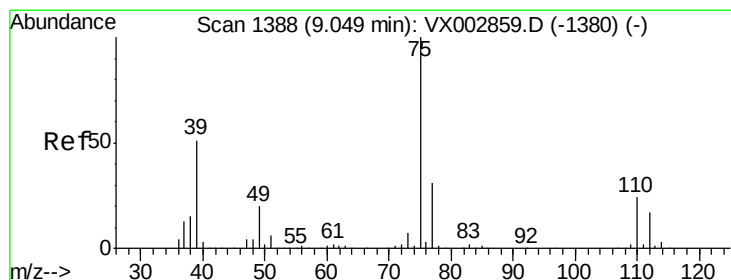
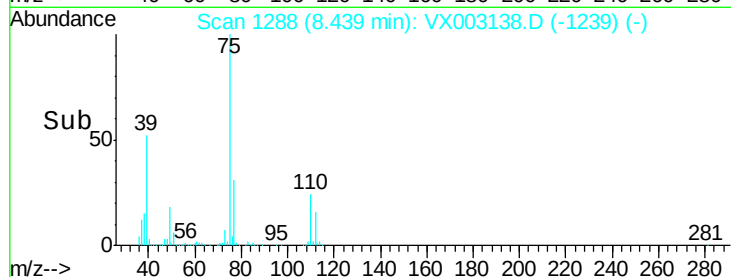
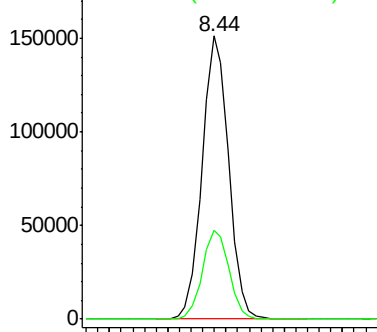
sam

7/3/2018 3:54:04 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 49.69 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

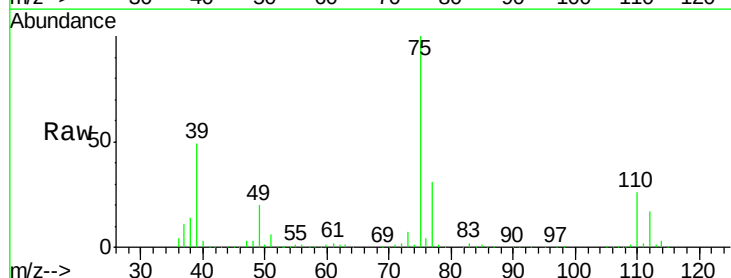
Tgt Ion: 75 Resp: 228342

Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

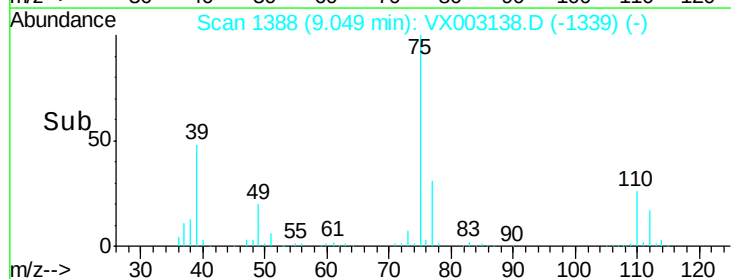
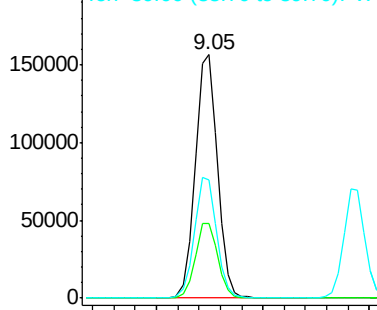
39 48.6 42.4 63.6

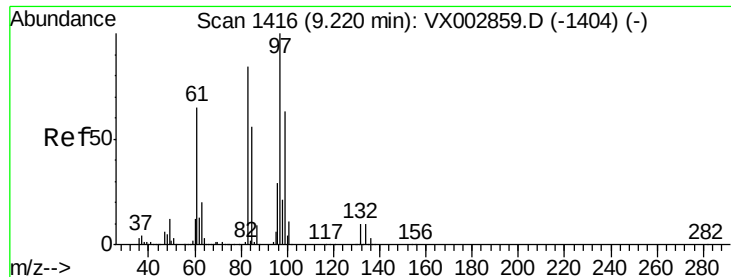


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





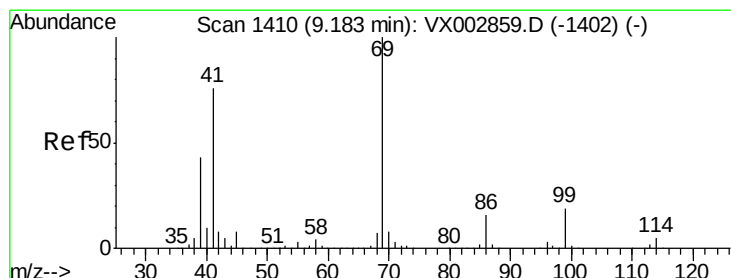
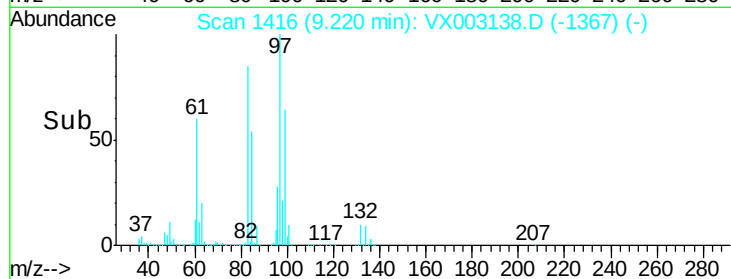
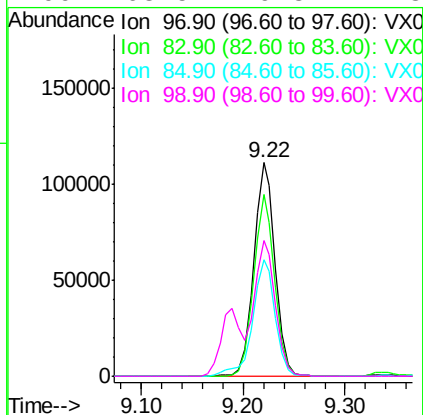
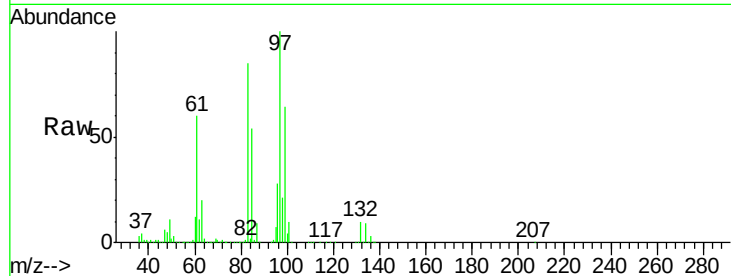
#55
 1,1,2-Trichloroethane
 Concen: 49.99 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion:	97	Resp:	163062
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	54.4	44.9	67.3
99	63.5	49.8	74.8

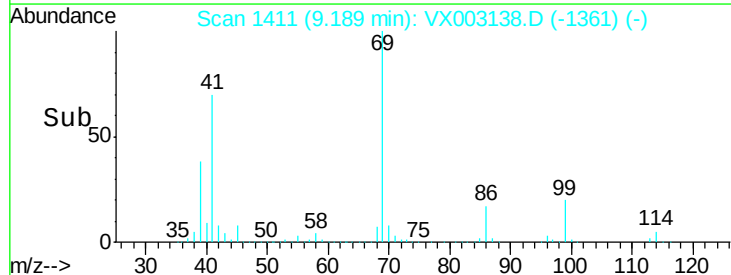
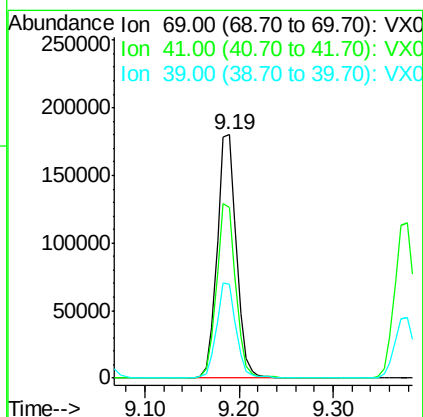
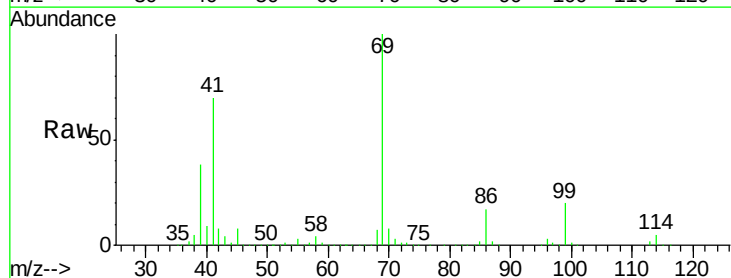
Manual Integrations
 APPROVED

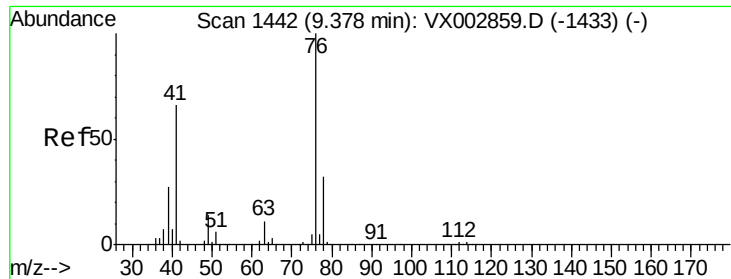
sam
 7/3/2018 3:54:04 PM



#56
 Ethyl methacrylate
 Concen: 53.53 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion:	69	Resp:	255173
Ion	Ratio	Lower	Upper
69	100		
41	71.2	60.3	90.5
39	38.7	35.8	53.8





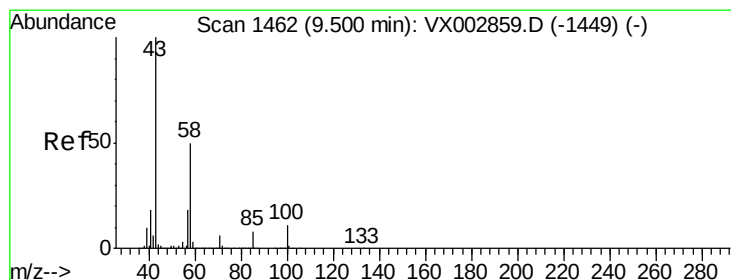
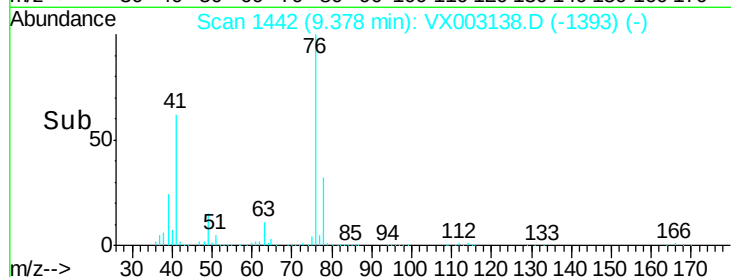
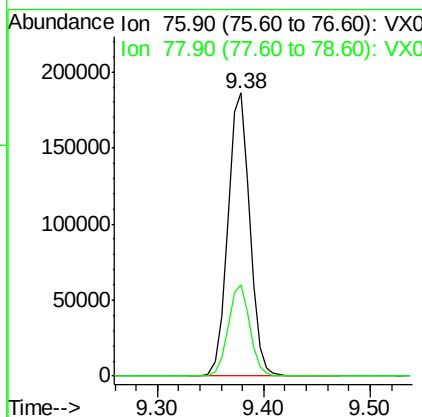
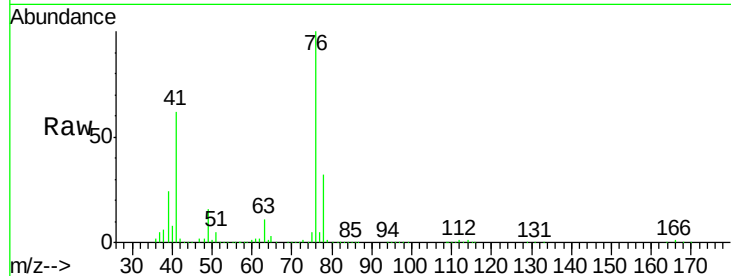
#57
 1,3-Dichloropropane
 Concen: 50.07 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

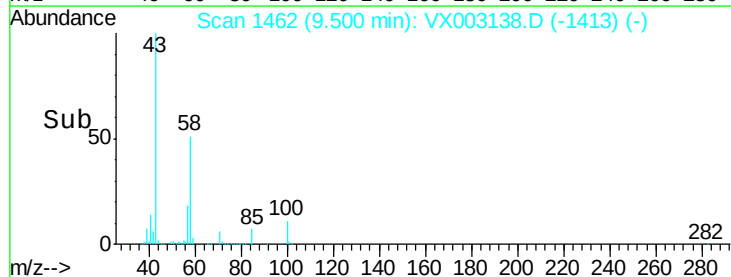
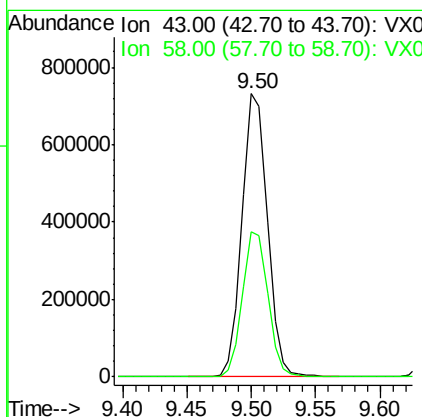
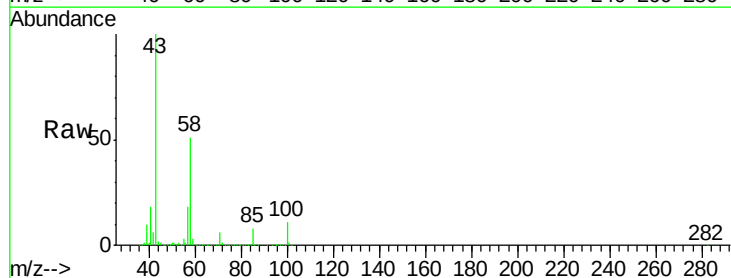
Manual Integrations
 APPROVED

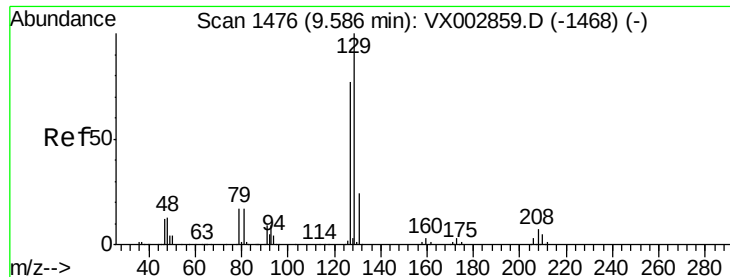
sam
 7/3/2018 3:54:04 PM



#59
 2-Hexanone
 Concen: 273.47 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.7	24.6	73.6





#60

Dibromochloromethane

Concen: 52.46 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:129 Resp: 180143

Ion Ratio Lower Upper

129 100

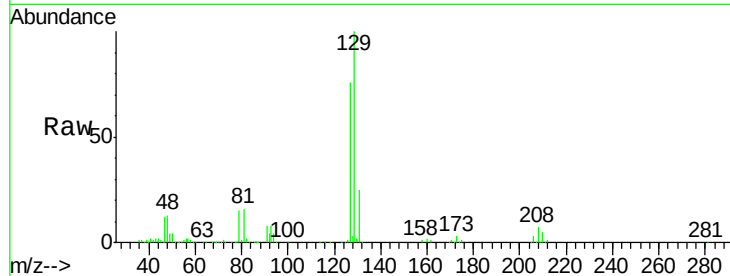
127 76.8 38.5 115.3

Manual Integrations

APPROVED

sam

7/3/2018 3:54:04 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

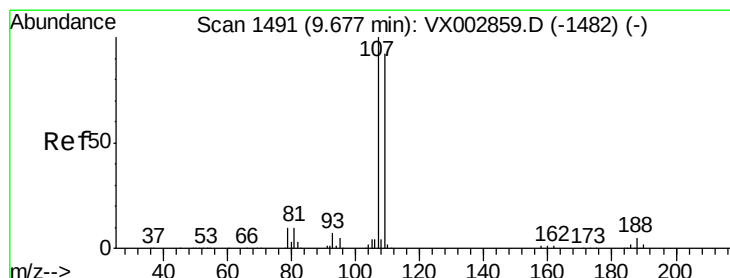
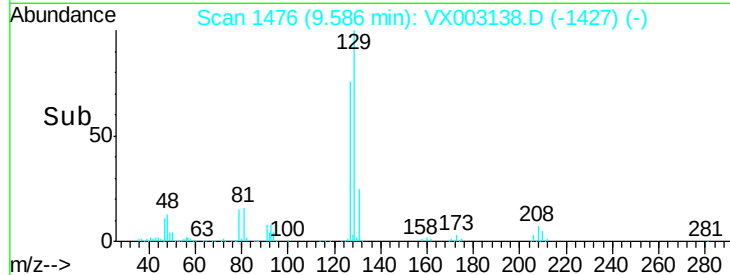
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 51.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003138.D

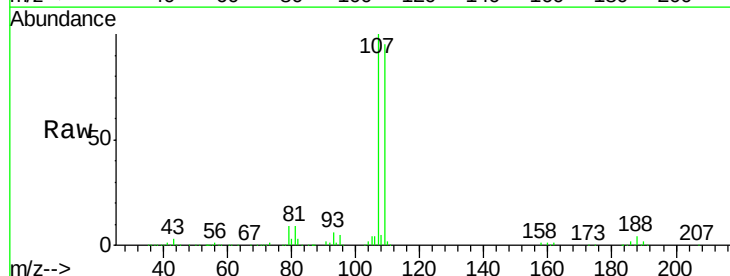
Acq: 02 Jul 2018 20:11

Tgt Ion:107 Resp: 176130

Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

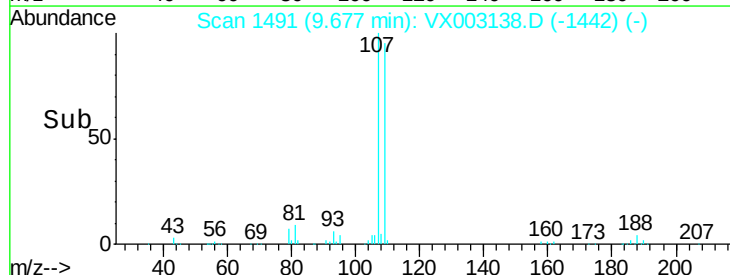
150000

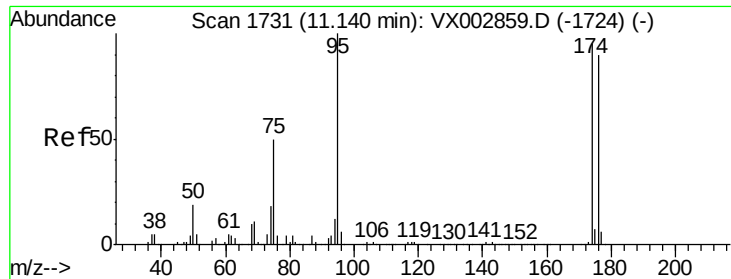
100000

50000

0

Time-->





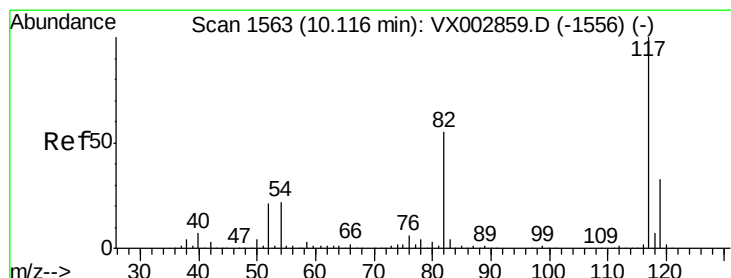
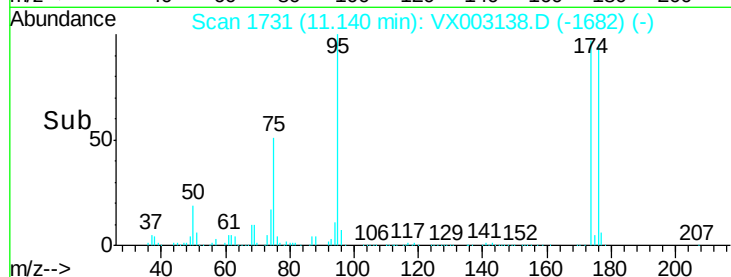
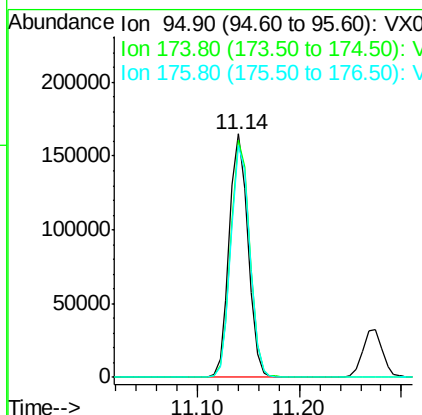
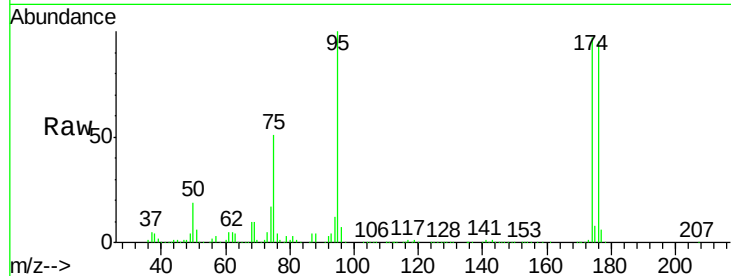
#62
4-Bromofluorobenzene
Concen: 48.21 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	209103		
174	97.7	0.0	187.4	
176	95.7	0.0	181.0	

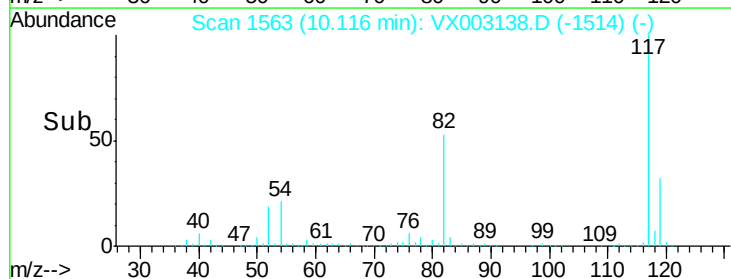
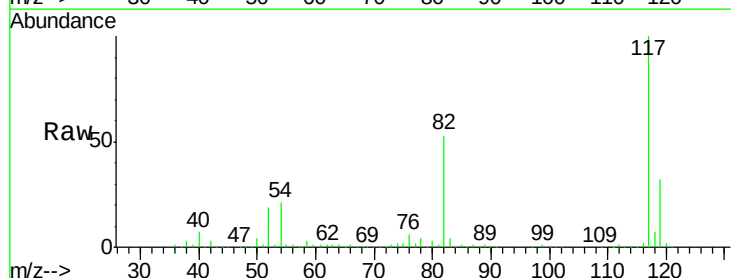
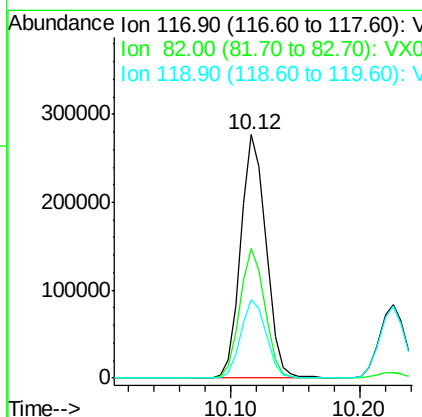
Manual Integrations
APPROVED

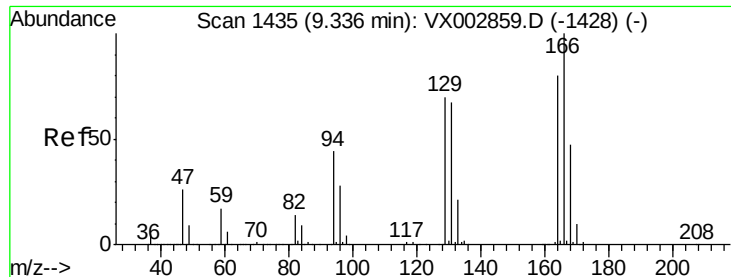
sam
7/3/2018 3:54:04 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	375593		
82	53.0	45.0	67.4	
119	32.1	25.8	38.6	





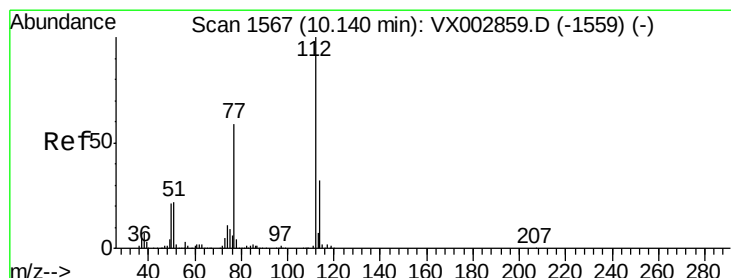
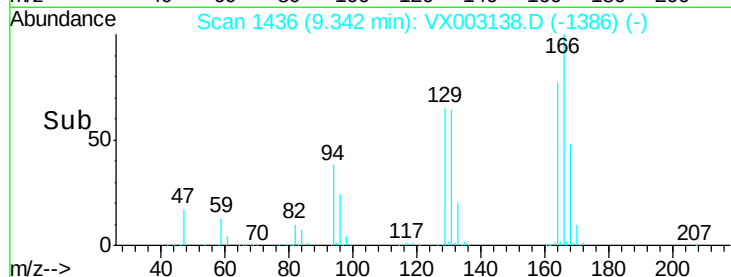
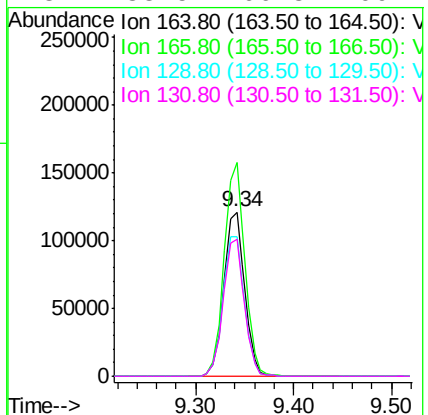
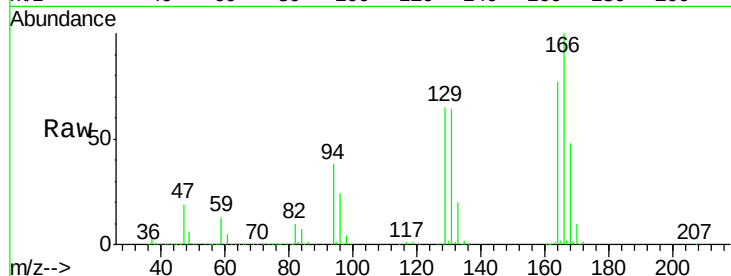
#64
 Tetrachloroethene
 Concen: 42.82 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	164	166	129	131
Ratio	100	130.1	85.2	83.5
Lower		102.9	68.6	66.8
Upper		154.3	102.8	100.2

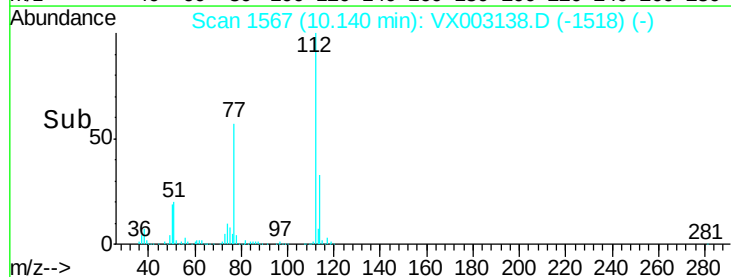
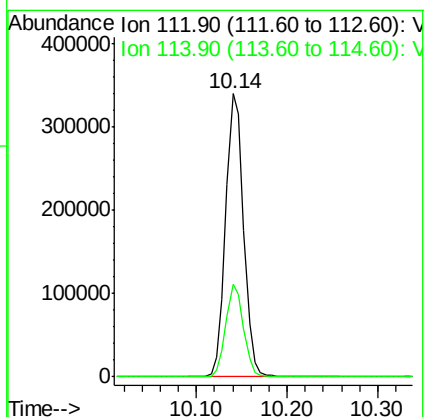
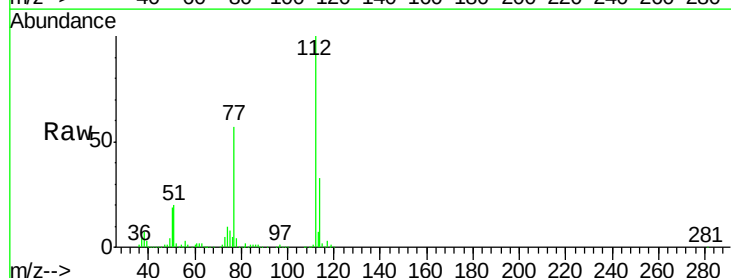
Manual Integrations
 APPROVED

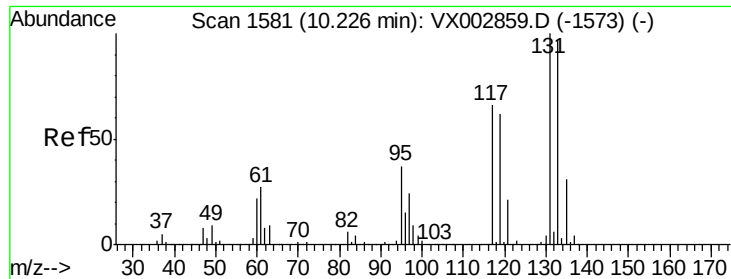
sam
 7/3/2018 3:54:04 PM



#65
 Chlorobenzene
 Concen: 49.08 ug/l
 RT: 10.14 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	112	114
Ratio	100	32.6
Lower		25.3
Upper		37.9





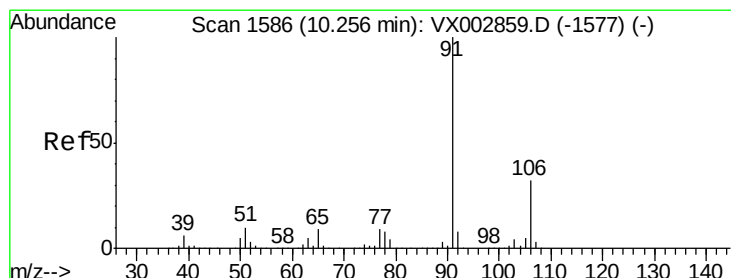
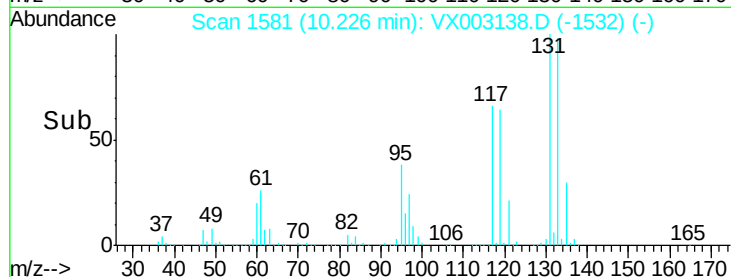
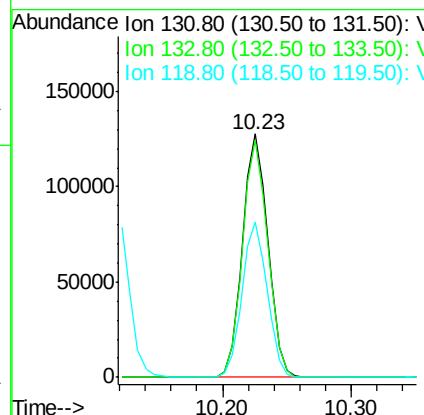
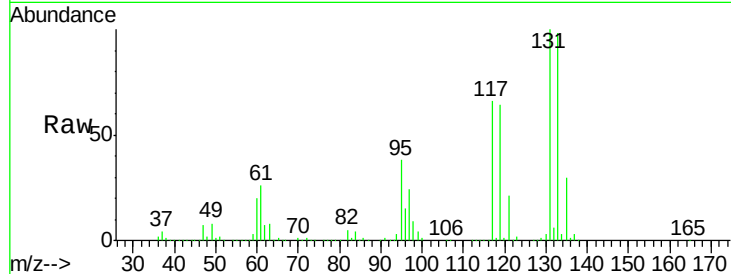
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.16 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	173818		
133	96.9	47.9	143.6	
119	63.4	31.8	95.3	

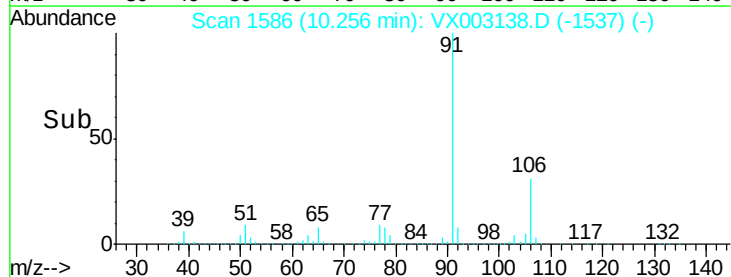
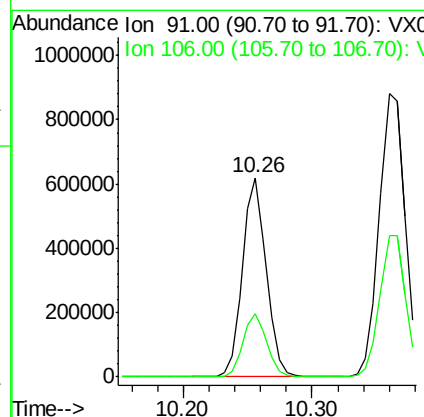
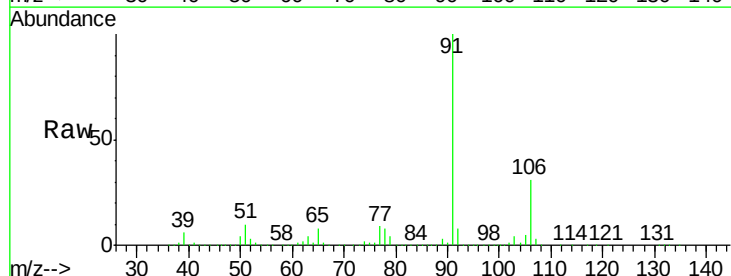
Manual Integrations
 APPROVED

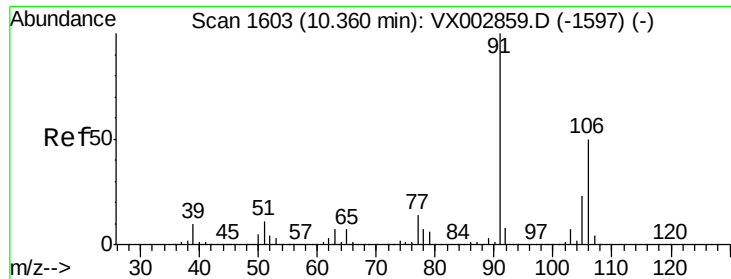
sam
 7/3/2018 3:54:04 PM



#67
 Ethyl Benzene
 Concen: 50.28 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	792335		
106	31.5	25.5	38.3	





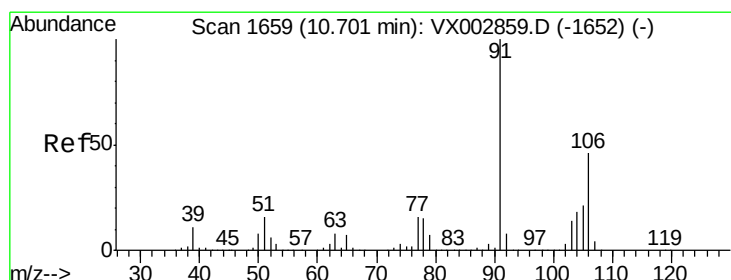
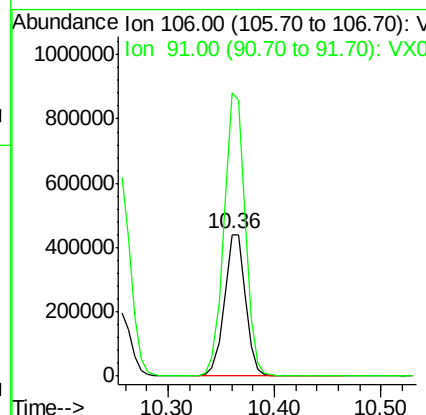
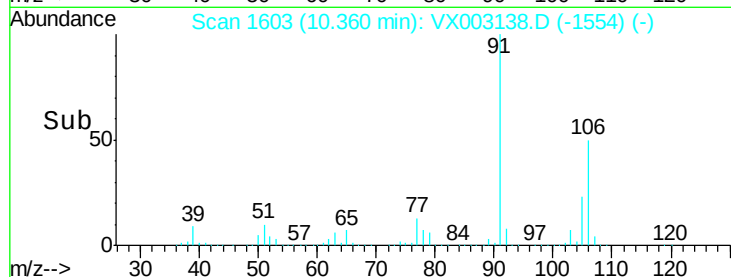
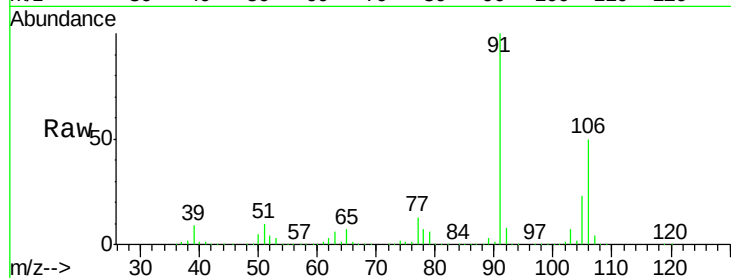
#68
m/p-Xylenes
Concen: 100.74 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion:106 Resp: 611873
Ion Ratio Lower Upper
106 100
91 200.3 163.4 245.2

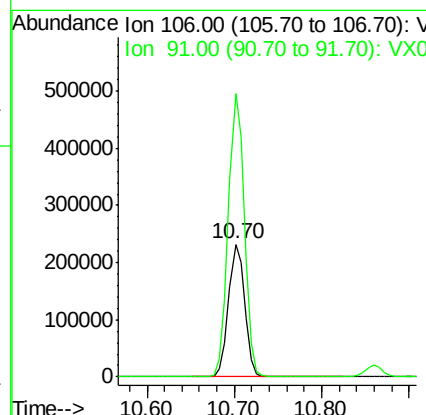
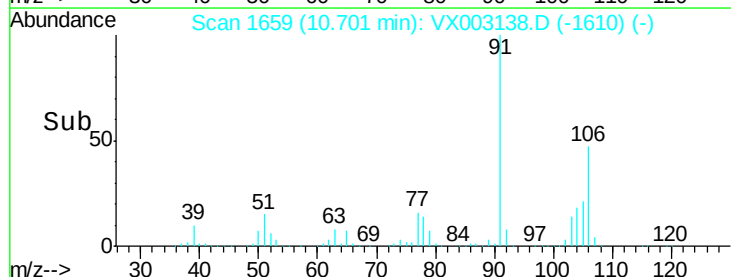
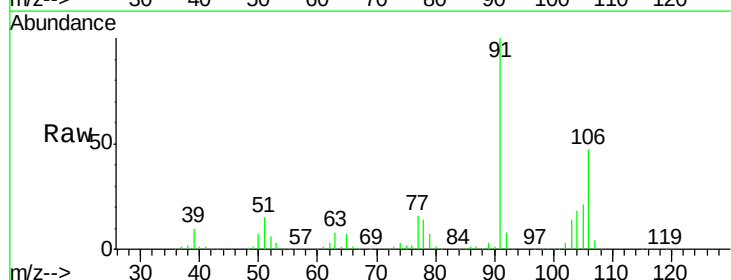
Manual Integrations
APPROVED

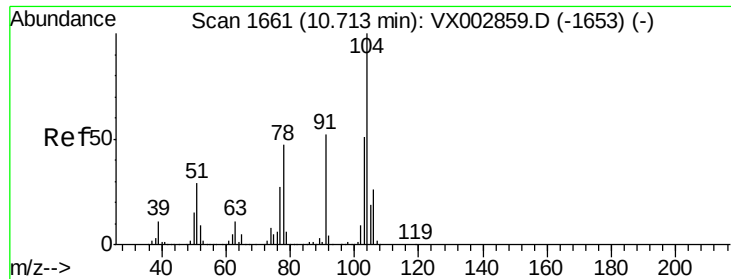
sam
7/3/2018 3:54:04 PM



#69
o-Xylene
Concen: 49.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion:106 Resp: 295228
Ion Ratio Lower Upper
106 100
91 212.3 108.2 324.6





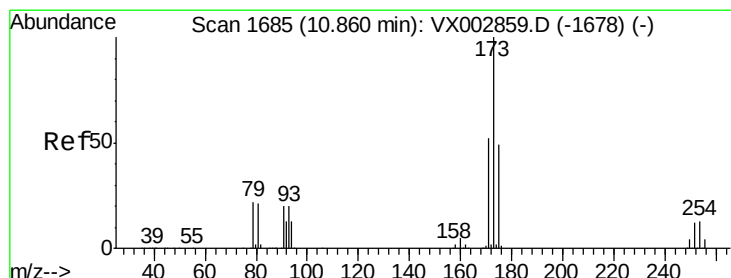
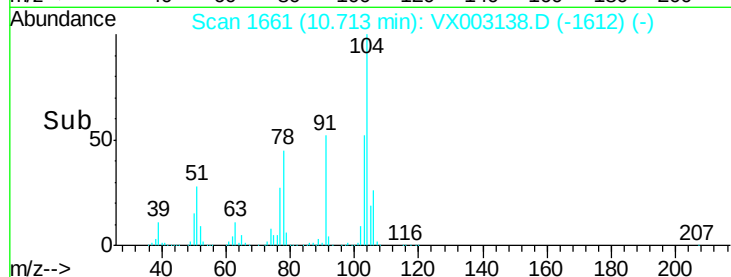
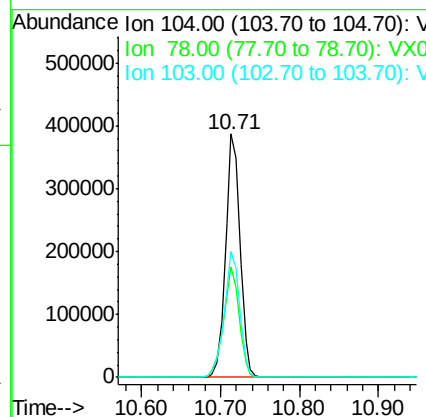
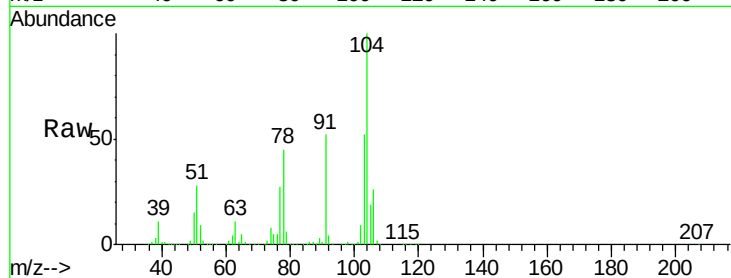
#70
Stvrene
Concen: 51.72 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	41.0	61.6
103	55.3	44.2	66.4

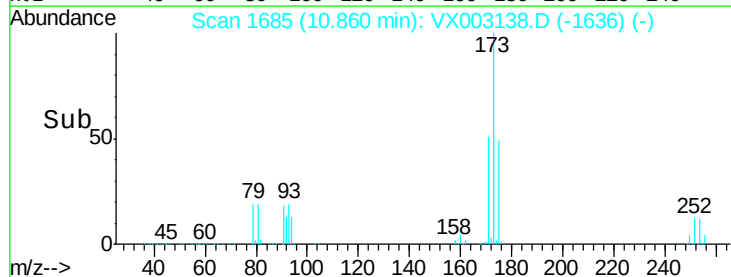
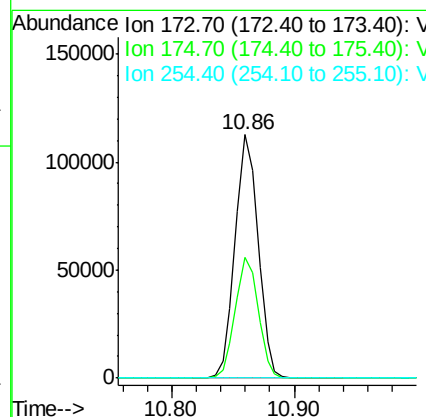
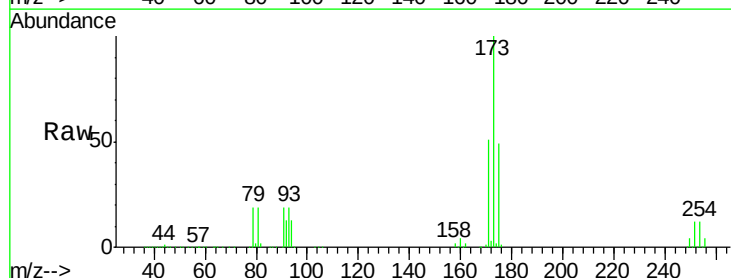
Manual Integrations
APPROVED

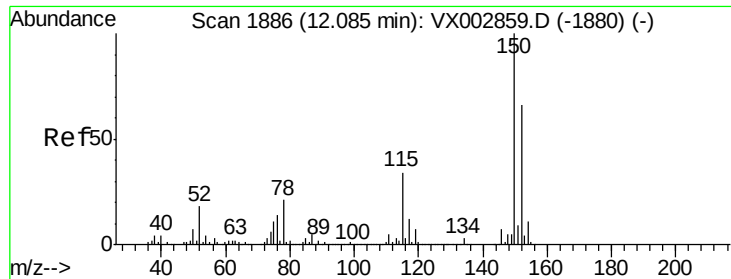
sam
7/3/2018 3:54:04 PM



#71
Bromoform
Concen: 47.07 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

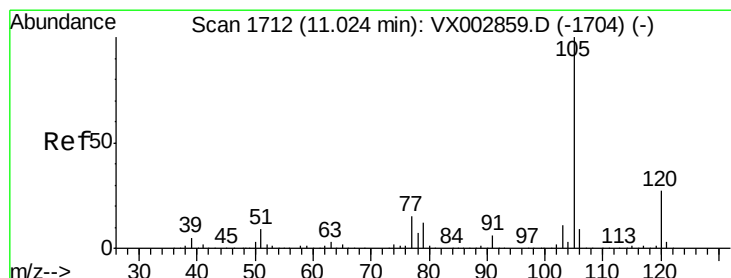
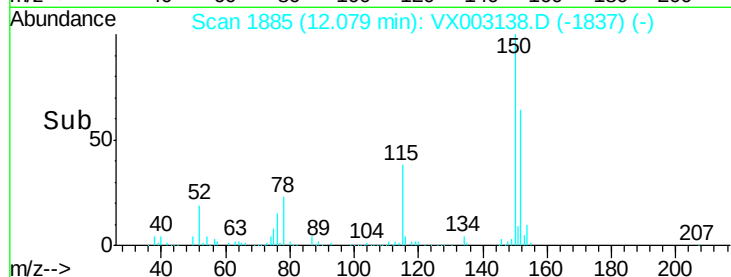
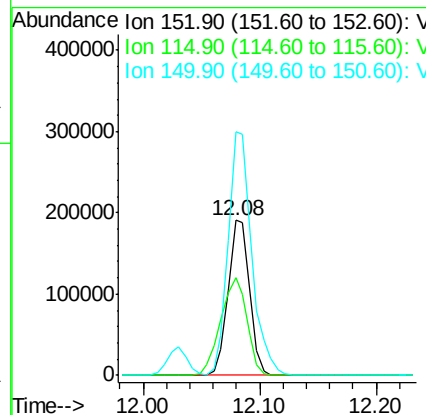
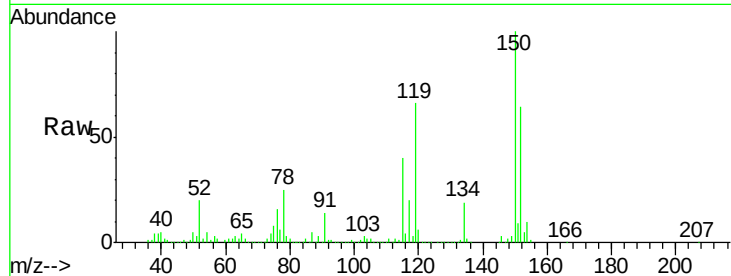
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	152	Resp:	240947
Ion Ratio	Lower	Upper	
152	100		
115	77.5	40.1	120.2
150	174.6	0.0	347.2

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM



#73

Isopropylbenzene

Concen: 49.13 ug/l

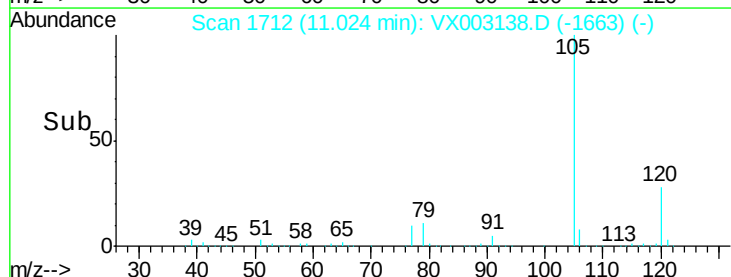
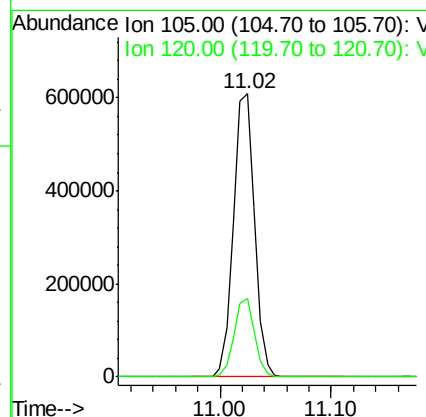
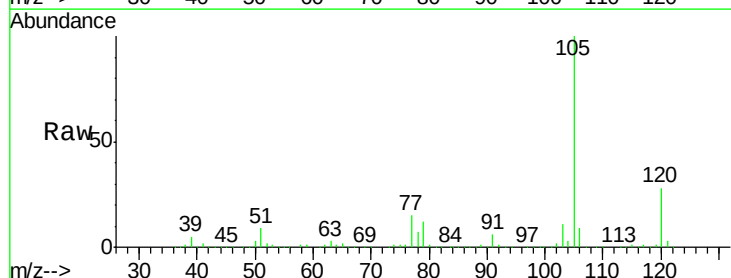
RT: 11.02 min Scan# 1712

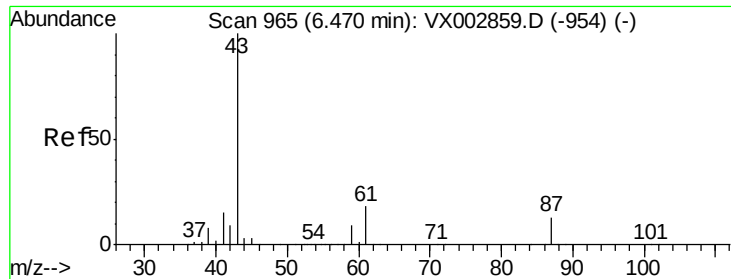
Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	105	Resp:	796324
Ion Ratio	Lower	Upper	
105	100		
120	26.9	13.5	40.4





#74

N-amvl acetate

Concen: 47.65 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

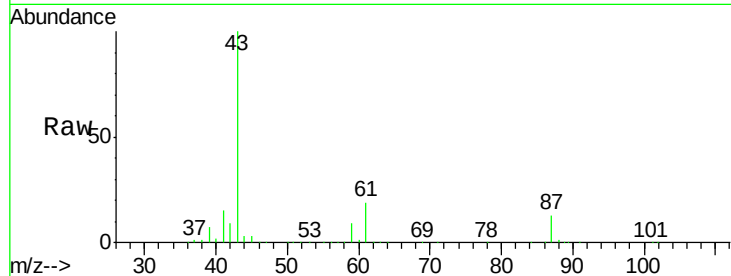
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		377928		
70	0.0	0.0	0.0#		
55	0.1	0.0	0.0#		
61	19.0	14.4	21.6		

Manual Integrations
APPROVED

sam
7/3/2018 3:54:04 PM

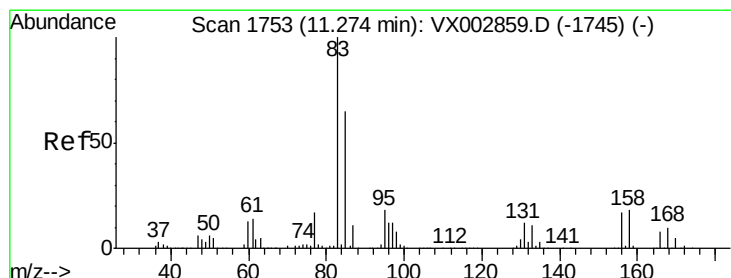
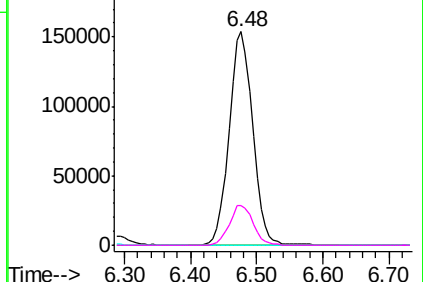
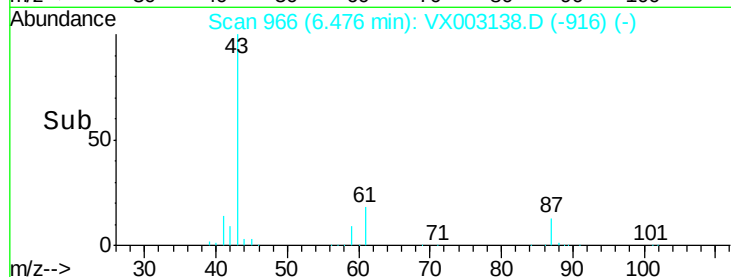


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.87 ug/l

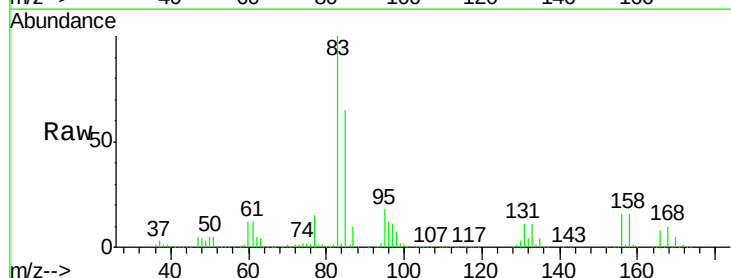
RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

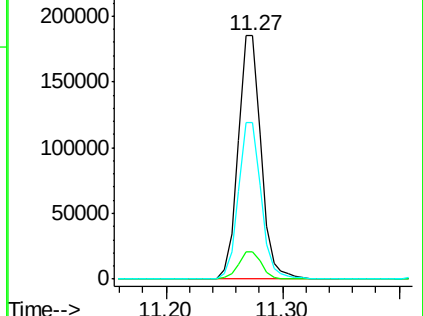
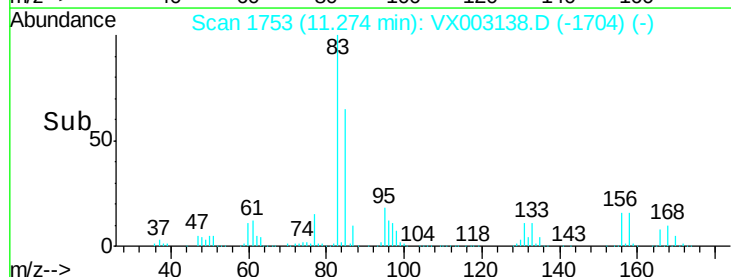
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		253999		
131	11.3	5.6	16.8		
85	64.4	32.4	97.2		

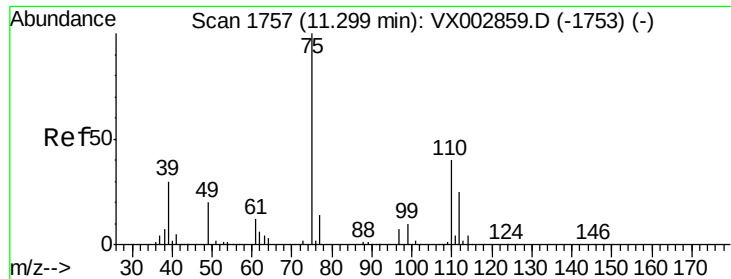


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





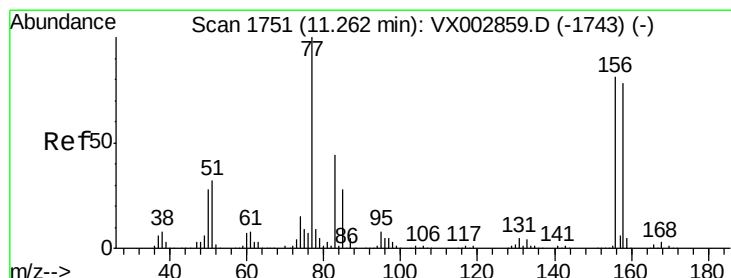
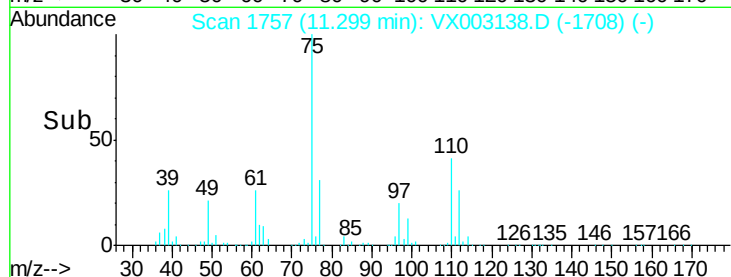
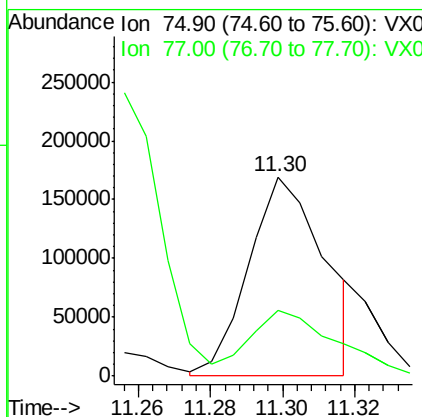
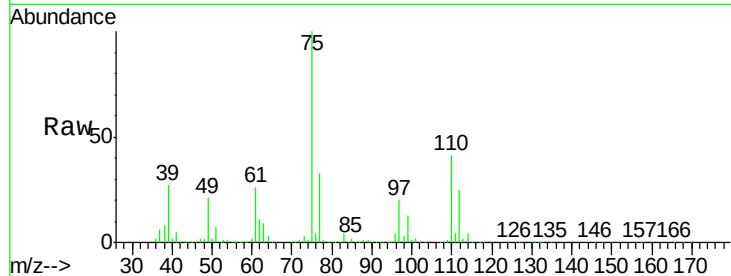
#76
 1,2,3-Trichloropropane
 Concen: 57.01 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion: 75 Resp: 248805
 Ion Ratio Lower Upper
 75 100
 77 37.5 22.8 68.3

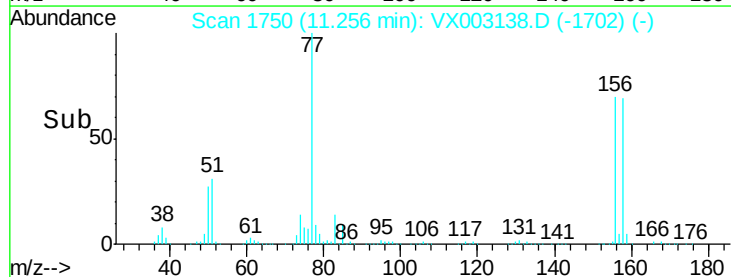
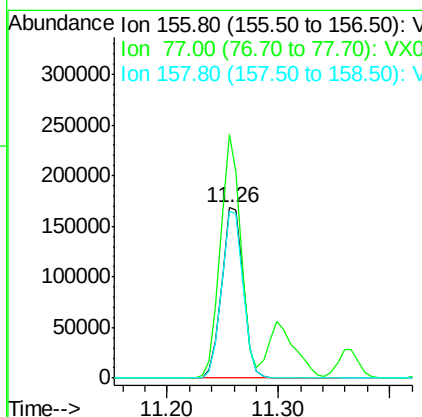
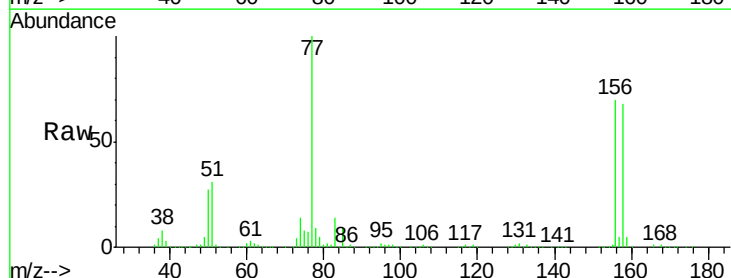
Manual Integrations
 APPROVED

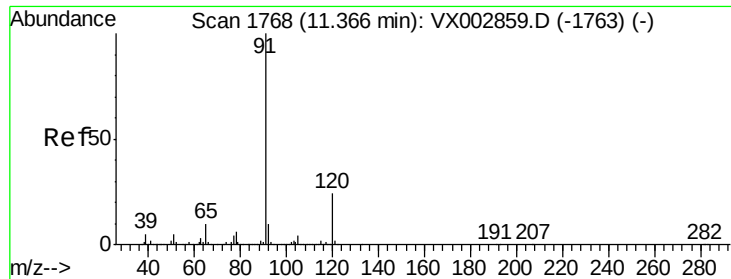
sam
 7/3/2018 3:54:04 PM



#77
 Bromobenzene
 Concen: 48.80 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 156 Resp: 225257
 Ion Ratio Lower Upper
 156 100
 77 135.9 71.4 214.2
 158 97.8 48.9 146.6





#78

n-propylbenzene

Concen: 48.76 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 91 Resp: 899736

Ion Ratio Lower Upper

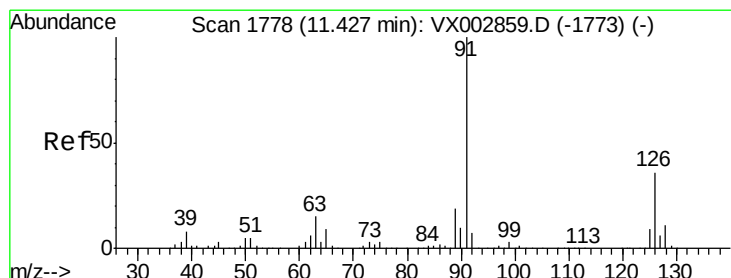
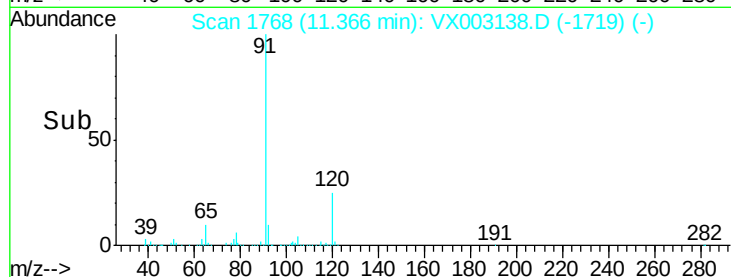
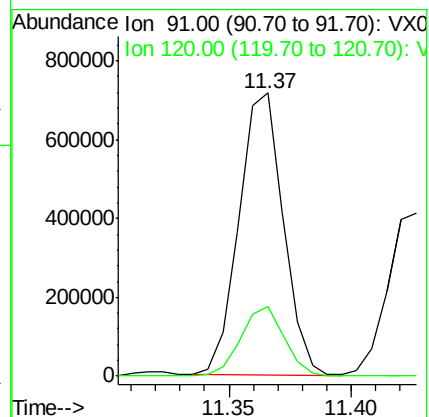
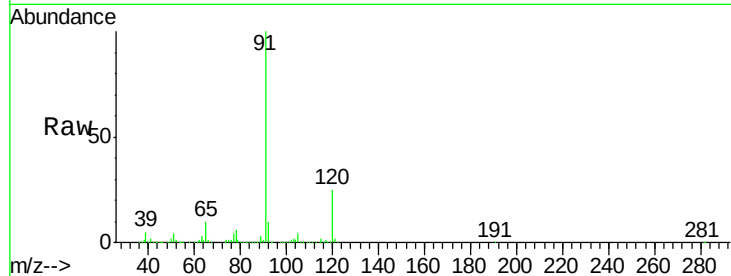
91 100

120 24.3 11.8 35.4

Manual Integrations
APPROVED

sam

7/3/2018 3:54:04 PM



#79

2-Chlorotoluene

Concen: 47.68 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003138.D

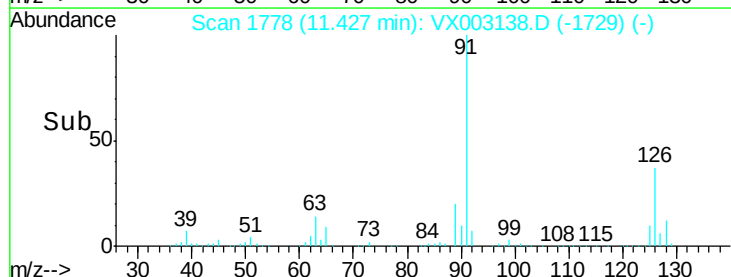
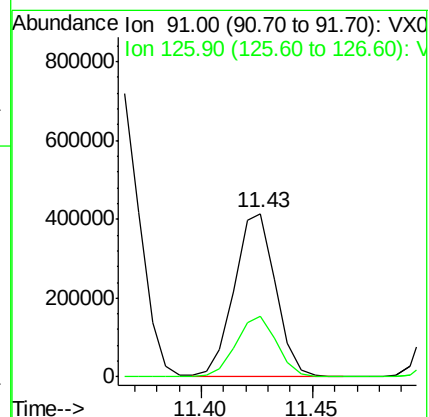
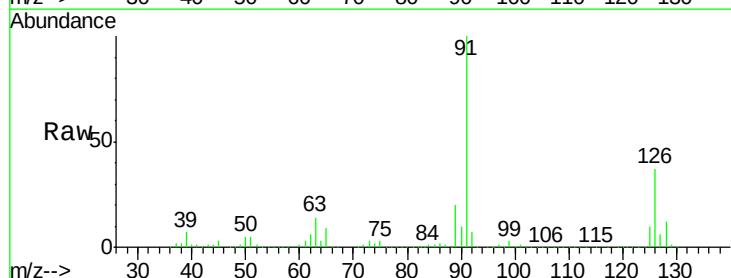
Acq: 02 Jul 2018 20:11

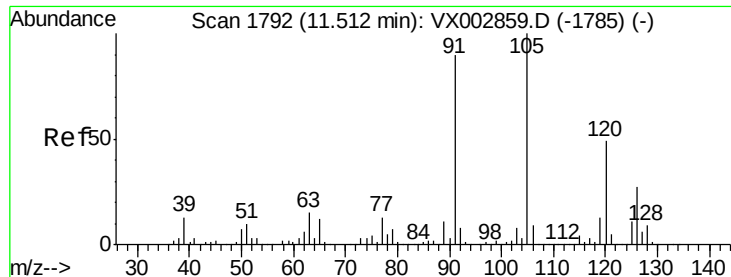
Tgt Ion: 91 Resp: 532553

Ion Ratio Lower Upper

91 100

126 36.5 17.7 53.1





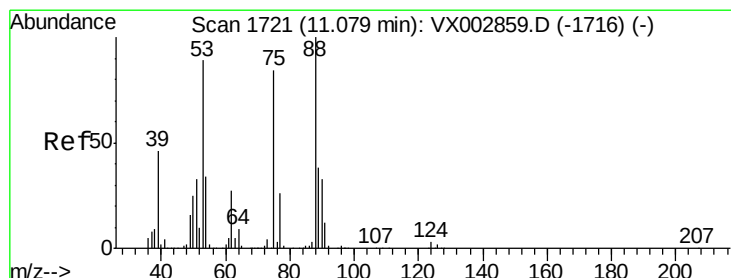
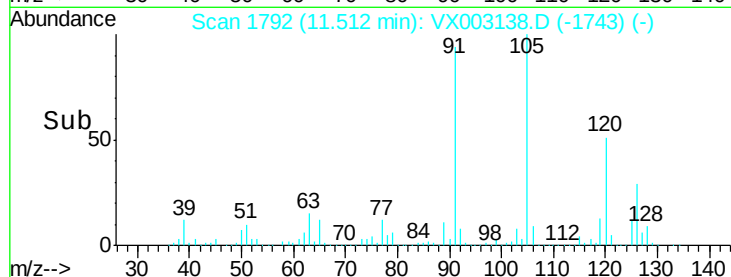
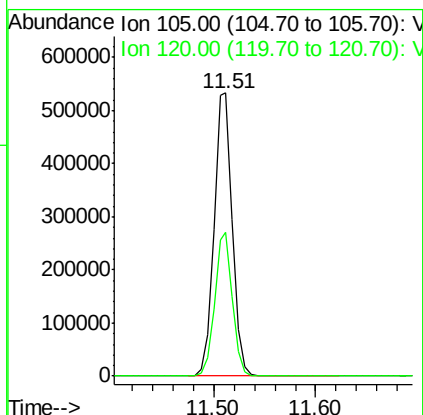
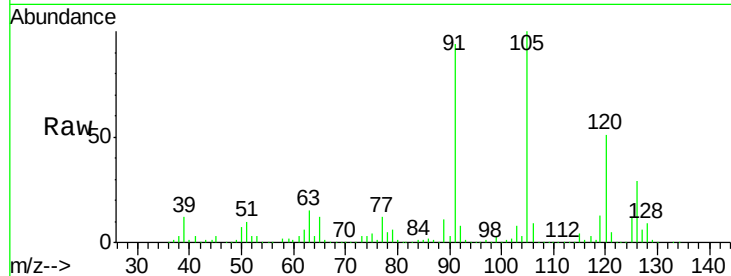
#80
 1,3,5-Trimethylbenzene
 Concen: 49.17 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion:105 Resp: 671275
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.4

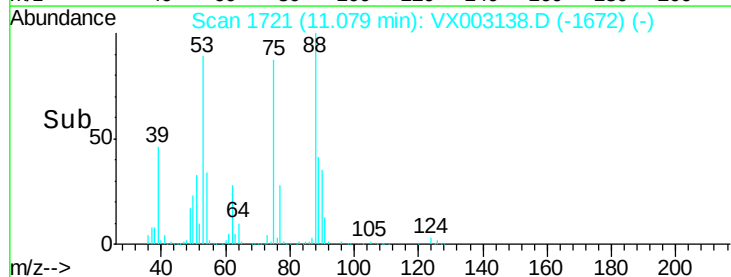
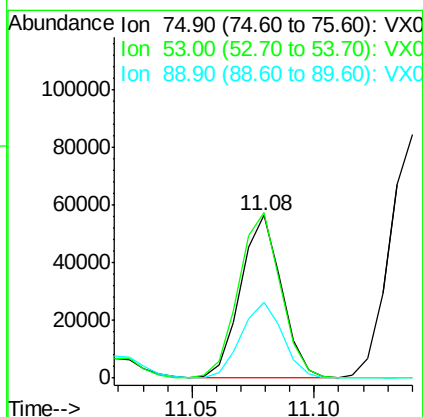
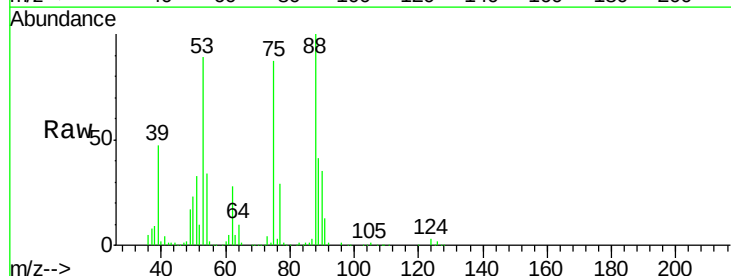
Manual Integrations
 APPROVED

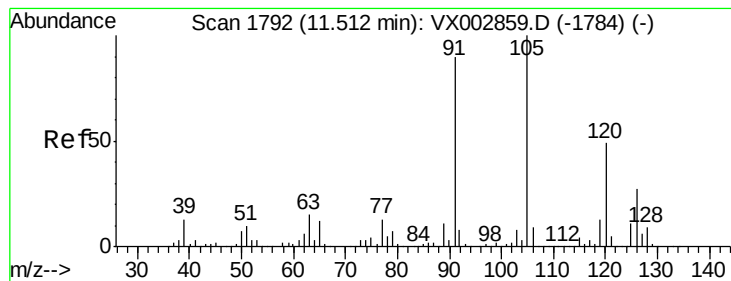
sam
 7/3/2018 3:54:04 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.85 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 75 Resp: 65293
 Ion Ratio Lower Upper
 75 100
 53 105.1 86.8 130.2
 89 47.8 38.2 57.2





#82

4-Chlorotoluene

Concen: 47.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 91 Resp: 632656

Ion Ratio Lower Upper

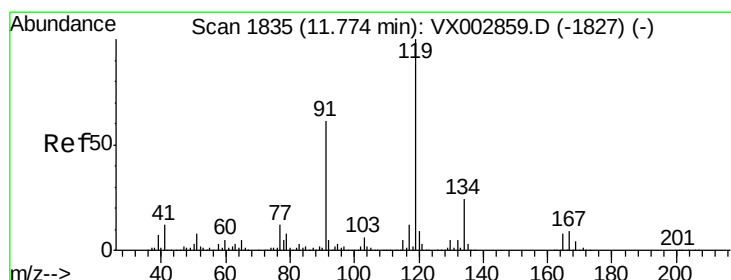
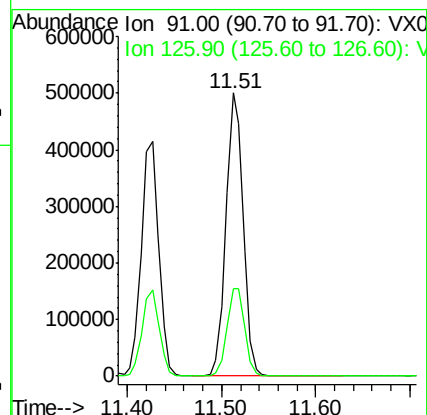
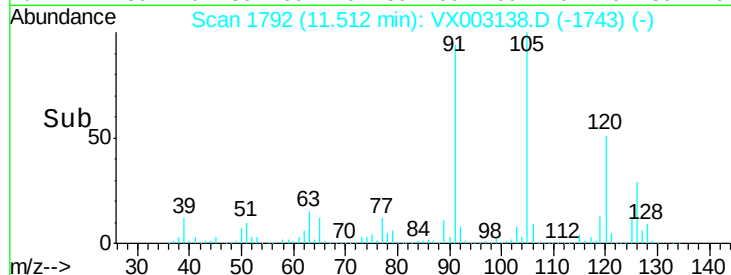
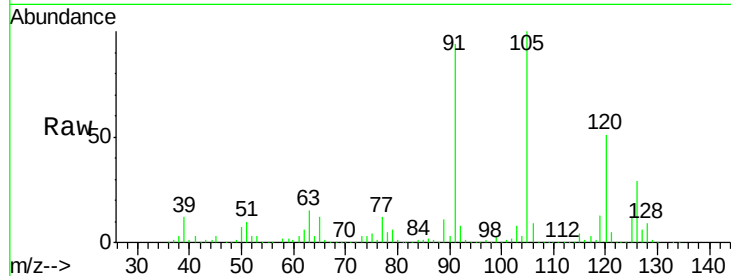
91 100

126 31.8 15.4 46.4

Manual Integrations
APPROVED

sam

7/3/2018 3:54:04 PM



#83

tert-Butylbenzene

Concen: 50.28 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

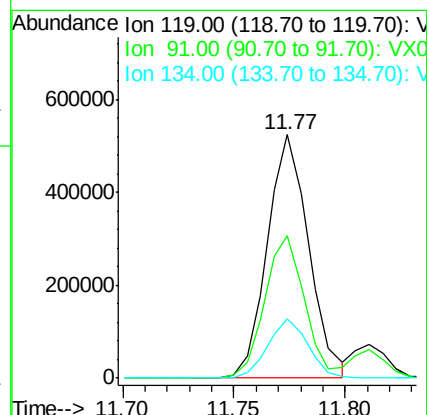
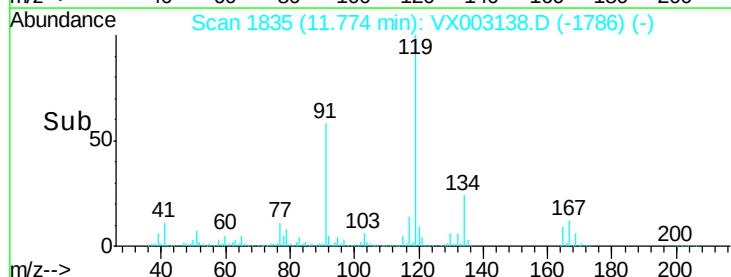
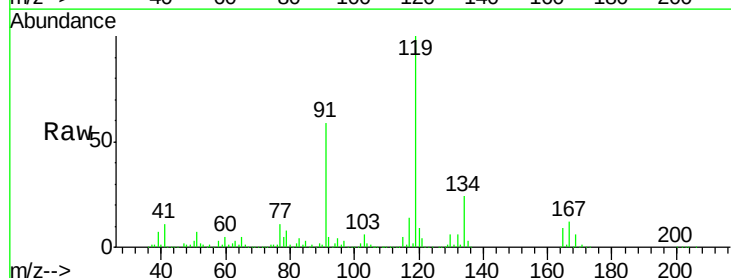
Tgt Ion: 119 Resp: 676550

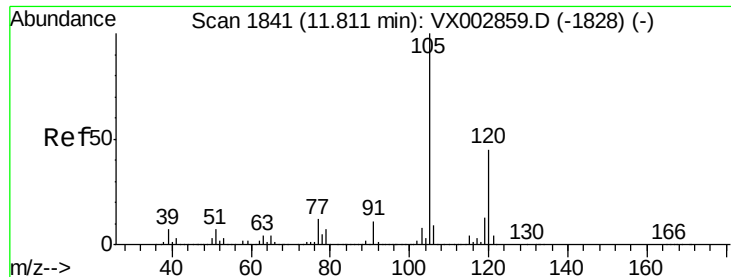
Ion Ratio Lower Upper

119 100

91 56.7 30.3 90.9

134 23.4 11.7 35.1





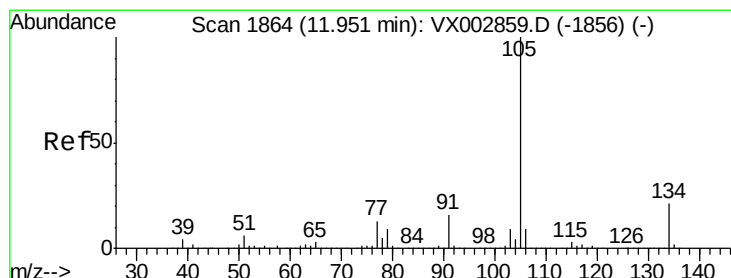
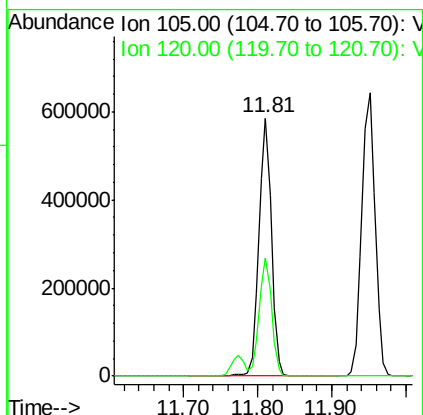
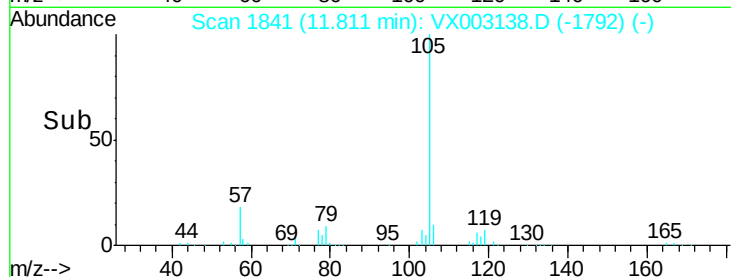
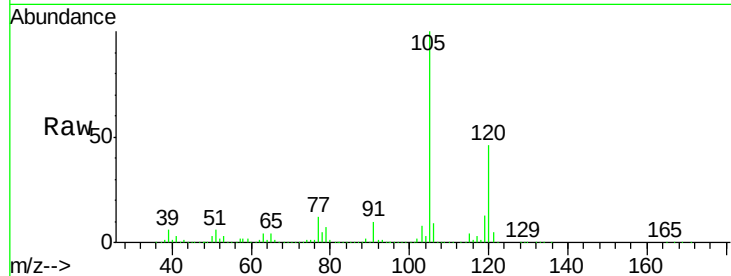
#84
1,2,4-Trimethylbenzene
Concen: 48.91 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion:105 Resp: 691865
Ion Ratio Lower Upper
105 100
120 45.8 22.3 66.8

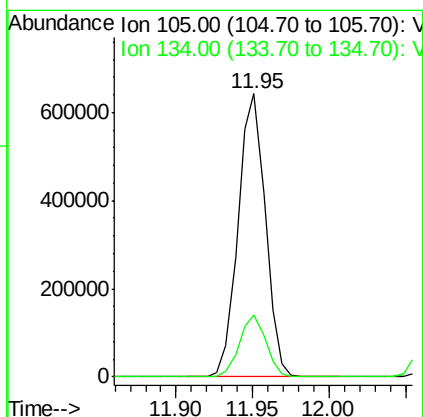
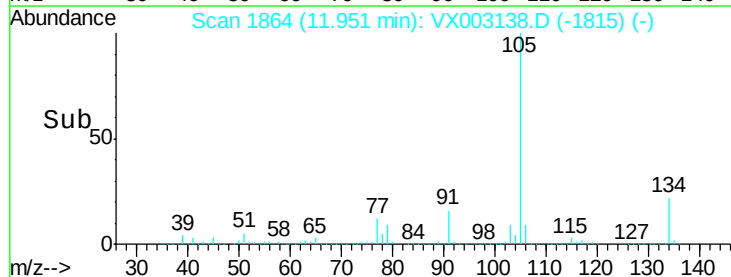
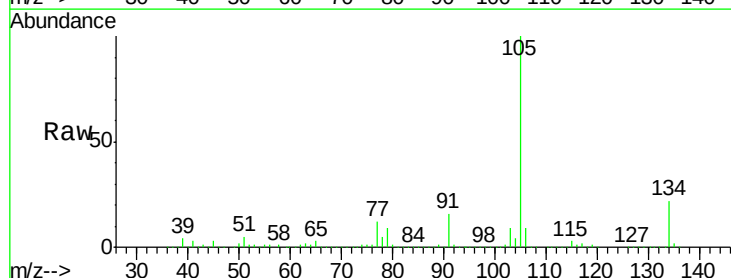
Manual Integrations
APPROVED

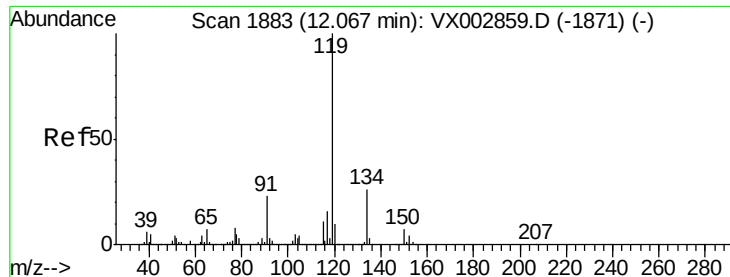
sam
7/3/2018 3:54:04 PM



#85
sec-Butylbenzene
Concen: 48.53 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion:105 Resp: 792091
Ion Ratio Lower Upper
105 100
134 21.2 10.4 31.1





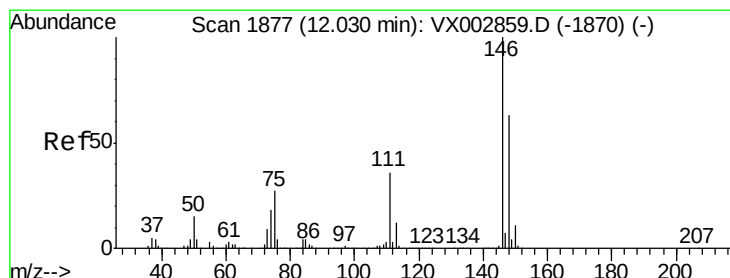
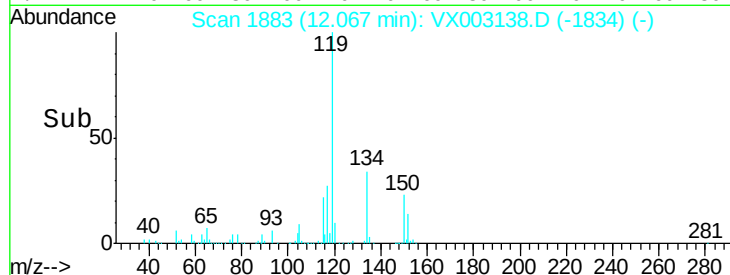
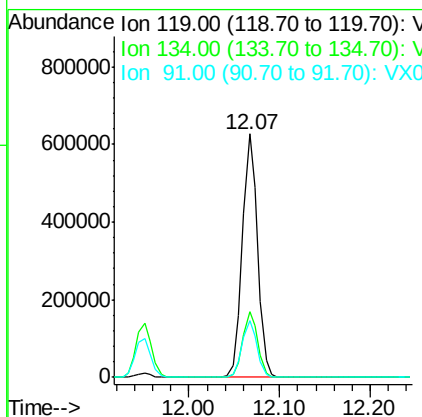
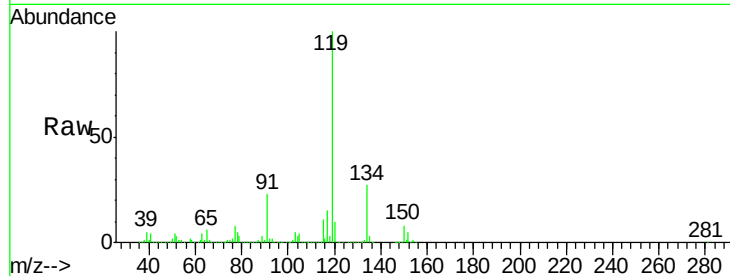
#86
 p-Isopropyltoluene
 Concen: 49.49 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	23.0	11.9	35.7

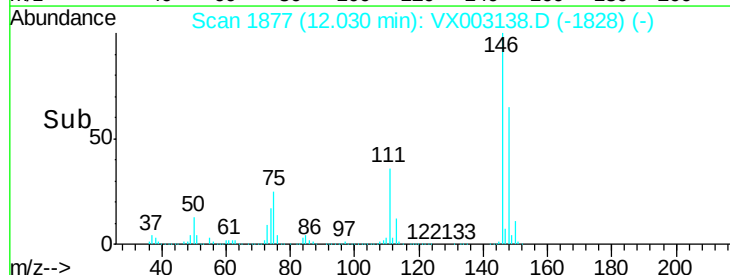
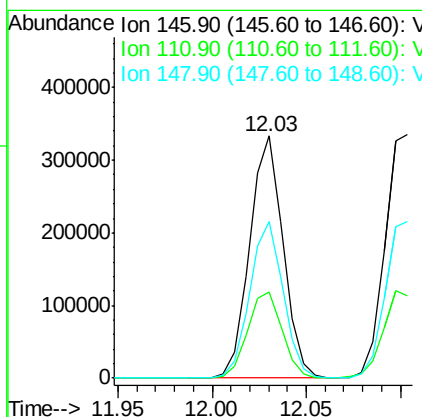
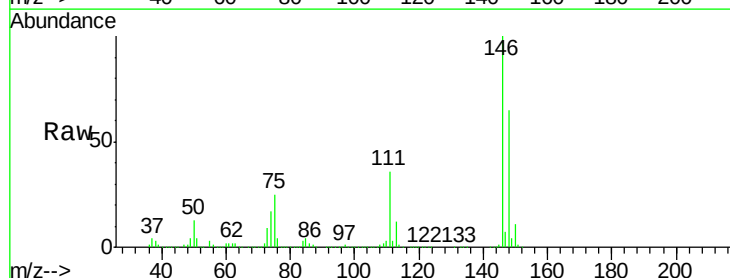
Manual Integrations
 APPROVED

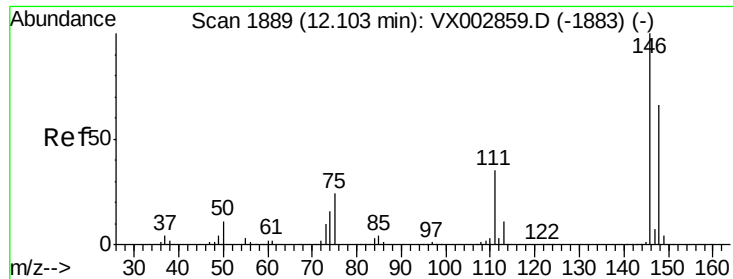
sam
 7/3/2018 3:54:04 PM



#87
 1,3-Dichlorobenzene
 Concen: 48.64 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.6	32.1	96.3





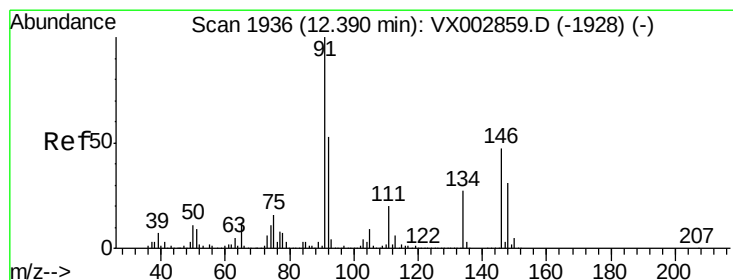
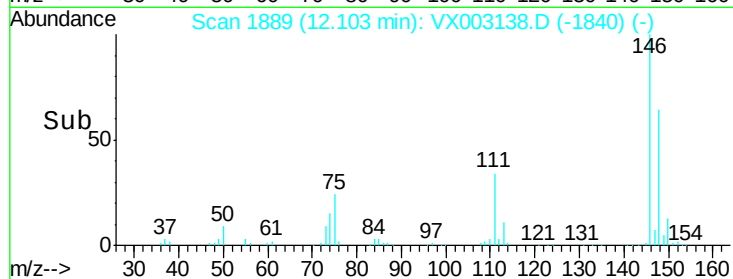
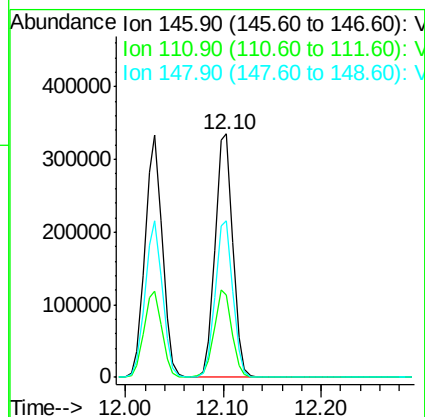
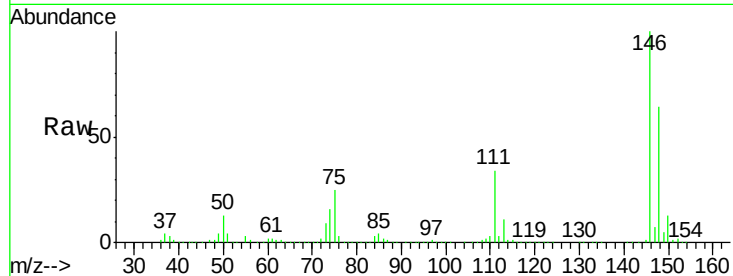
#88
 1,4-Dichlorobenzene
 Concen: 48.59 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.7	56.1
148	64.0	32.4	97.0

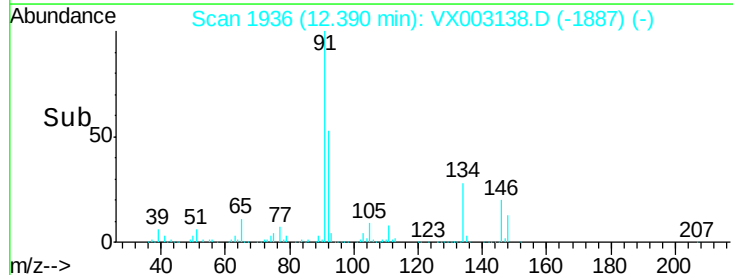
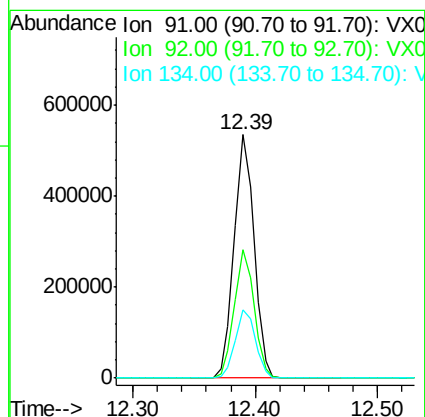
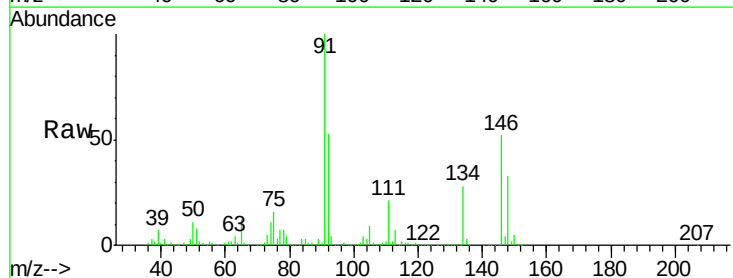
Manual Integrations
 APPROVED

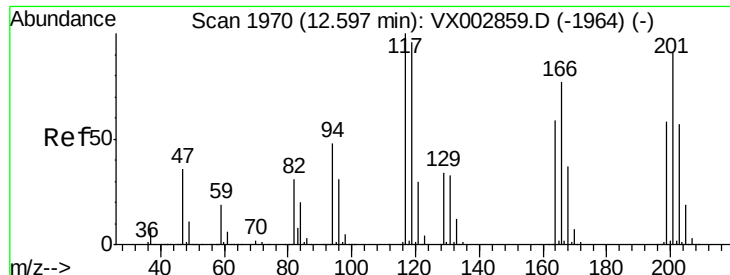
sam
 7/3/2018 3:54:04 PM



#89
 n-Butylbenzene
 Concen: 46.94 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	28.4	13.5	40.5





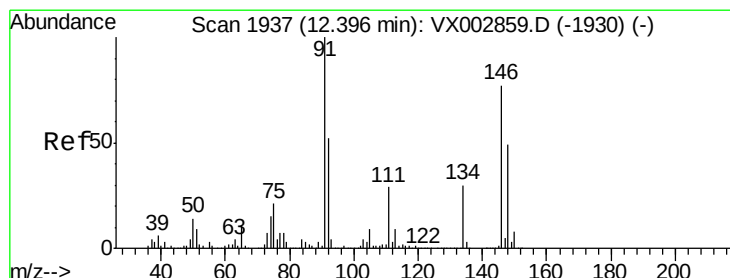
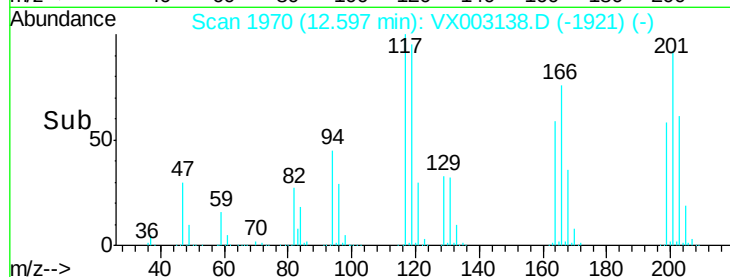
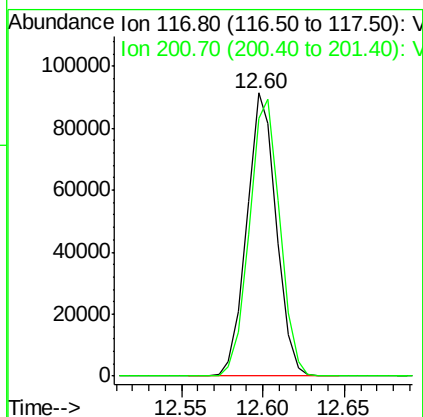
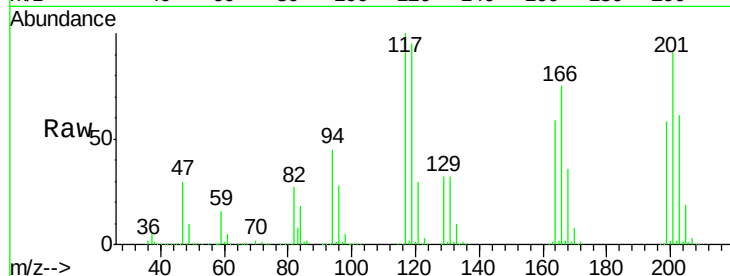
#90
Hexachloroethane
Concen: 52.82 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion:117 Resp: 115283
Ion Ratio Lower Upper
117 100
201 101.0 49.0 147.0

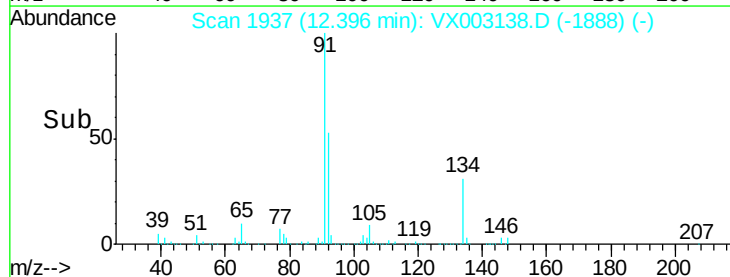
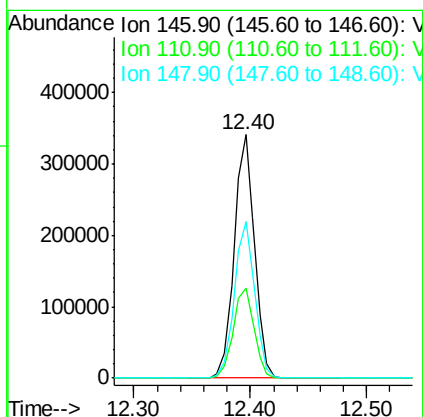
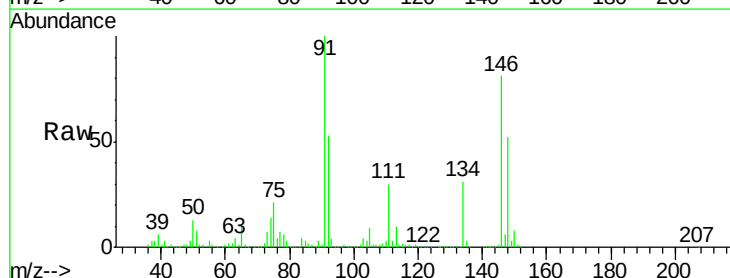
Manual Integrations
APPROVED

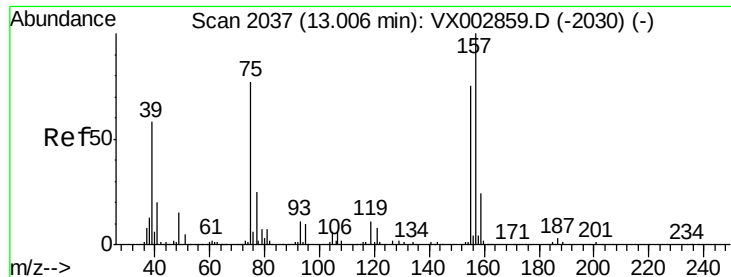
sam
7/3/2018 3:54:04 PM



#91
1,2-Dichlorobenzene
Concen: 48.57 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion:146 Resp: 413326
Ion Ratio Lower Upper
146 100
111 38.3 19.4 58.1
148 64.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.54 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

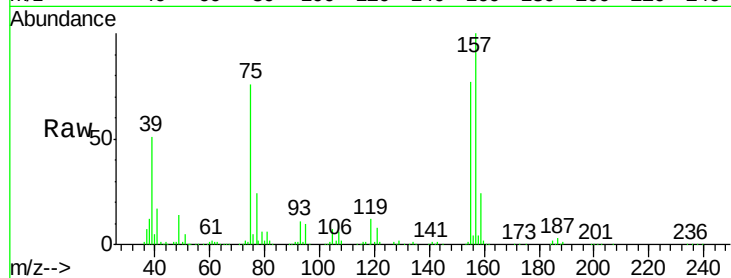
ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:	75	Resp:	61217
Ion	Ratio	Lower	Upper
75	100		
155	96.0	45.8	137.4
157	124.4	60.1	180.3

Manual Integrations
APPROVED

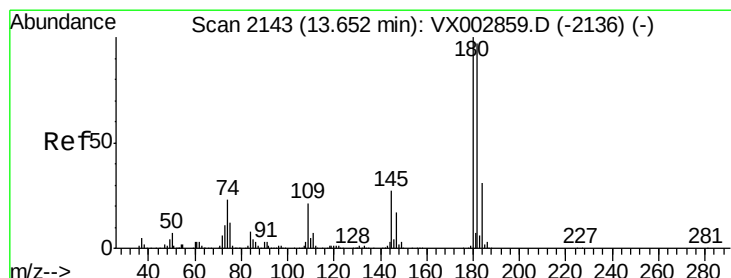
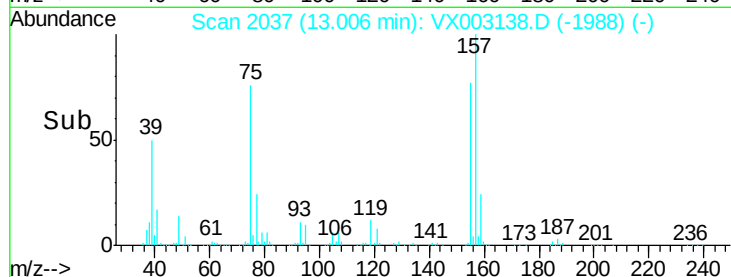
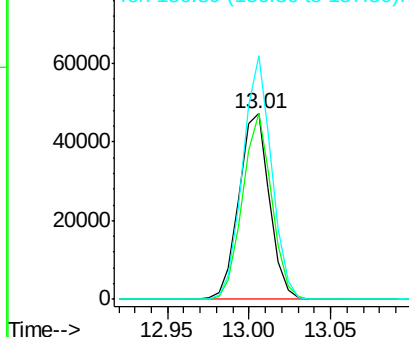
sam
7/3/2018 3:54:04 PM



Abundance Ion 74.90 (74.60 to 75.60): VX003138.D (-1988) (-)

Ion 154.80 (154.50 to 155.50): VX003138.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX003138.D (-1988) (-)



#93

1,2,4-Trichlorobenzene

Concen: 48.56 ug/l

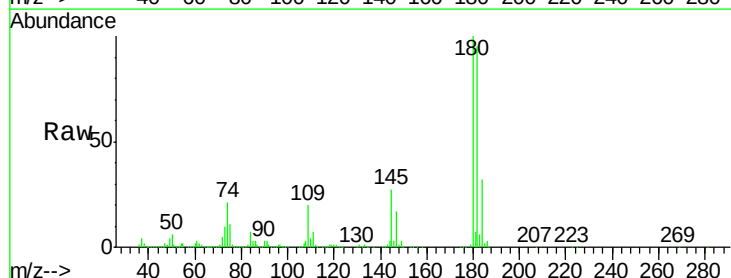
RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

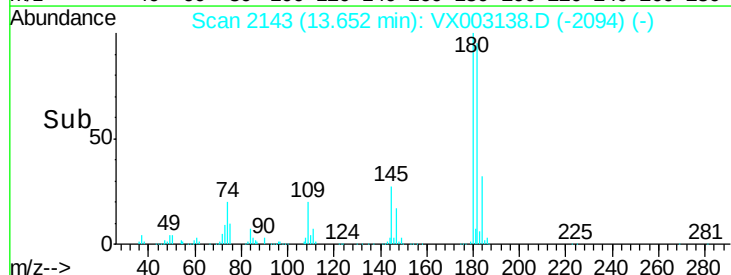
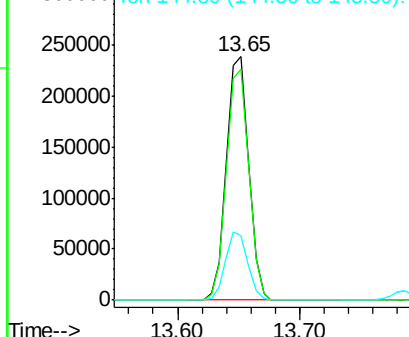
Tgt Ion:	180	Resp:	300707
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	27.9	14.1	42.4

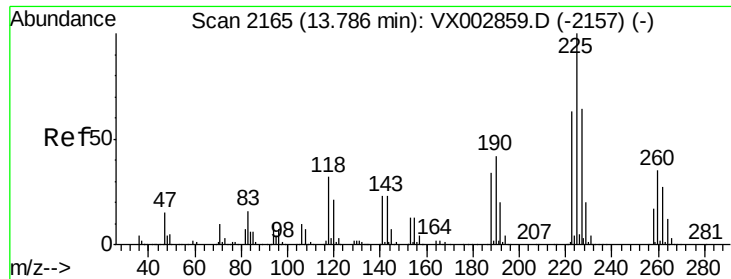


Abundance Ion 179.80 (179.50 to 180.50): VX003138.D (-2094) (-)

Ion 181.80 (181.50 to 182.50): VX003138.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX003138.D (-2094) (-)





#94

Hexachlorobutadiene

Concen: 46.49 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

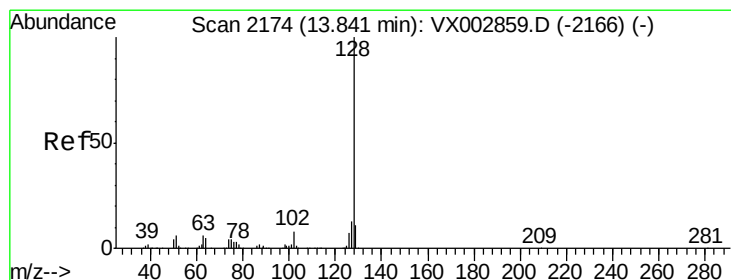
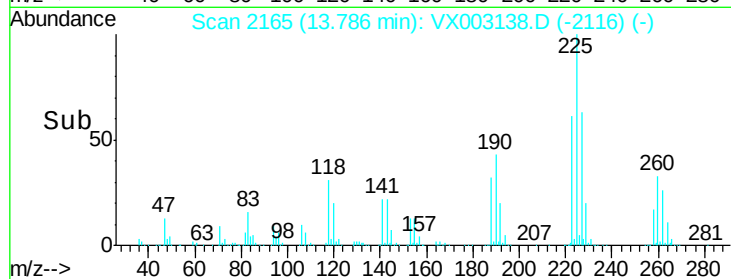
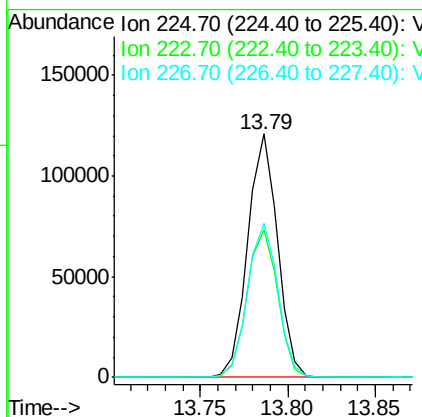
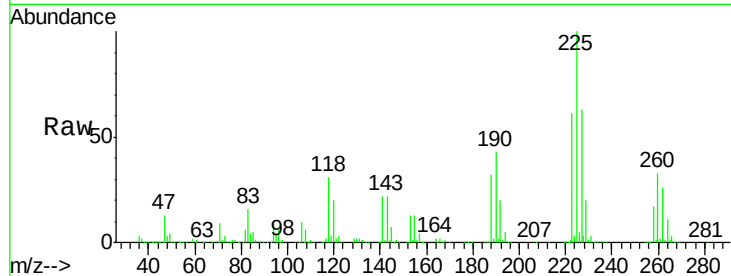
SP18-MMW-3414MSD

Tot Ion:	225	Resp:	143605
Ion Ratio		Lower	Upper
225	100		
223	62.5	31.6	95.0
227	64.3	32.4	97.2

Manual Integrations
APPROVED

sam

7/3/2018 3:54:04 PM



#95

Naphthalene

Concen: 53.72 ug/l

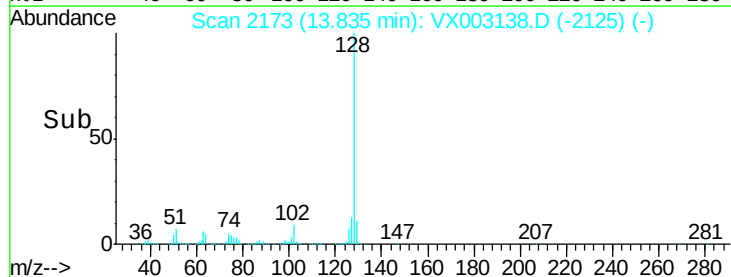
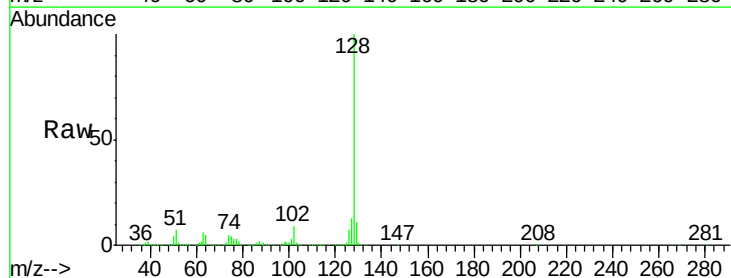
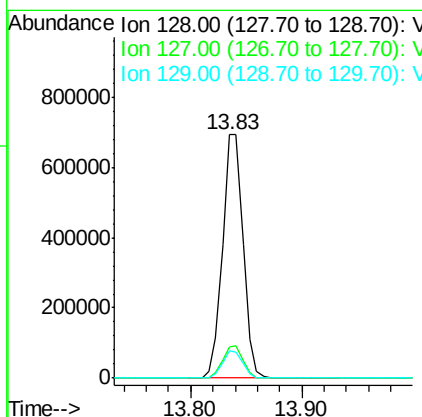
RT: 13.83 min Scan# 2173

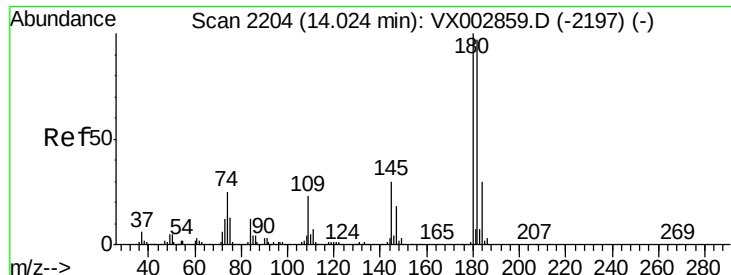
Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion:	128	Resp:	886124
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 49.87 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	308485		
182	96.5		48.0	144.0
145	29.4		14.8	44.3

Manual Integrations
 APPROVED

sam
 7/3/2018 3:54:04 PM

