

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003261.D
 Acq On : 09 Jul 2018 23:10
 Operator : JC/MD
 Sample : VX0709WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Manual Integrations
 APPROVED

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 7/10/2018 3:11:55 PM

Quant Time: Jul 10 01:23:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	315972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205596	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	195376	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
35) Dibromofluoromethane	5.51	113	166280	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	8.72	98	617973	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	11.14	95	222852	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80613	21.50	ug/l	98
3) Chloromethane	1.32	50	69474	20.38	ug/l	99
4) Vinyl Chloride	1.40	62	72595	20.75	ug/l	99
5) Bromomethane	1.64	94	28677	28.10	ug/l	99
6) Chloroethane	1.72	64	41256	21.29	ug/l	98
7) Trichlorofluoromethane	1.93	101	108705	20.90	ug/l	99
8) Diethyl Ether	2.19	74	38484	20.47	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62227	20.44	ug/l	96
10) Methyl Iodide	2.51	142	58849	21.18	ug/l	97
11) Tert butyl alcohol	3.08	59	80834	114.90	ug/l	98
12) 1,1-Dichloroethene	2.37	96	56278	20.31	ug/l	93
13) Acrolein	2.29	56	52845	93.21	ug/l	99
14) Allyl chloride	2.73	41	103962	20.26	ug/l	94
15) Acrylonitrile	3.15	53	167075	106.35	ug/l	99
16) Acetone	2.45	43	154434	112.09	ug/l	96
17) Carbon Disulfide	2.57	76	152769	19.84	ug/l	96
18) Methyl Acetate	2.78	43	89665	23.07	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	191441	20.68	ug/l	97
20) Methylene Chloride	2.86	84	62565	21.76	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	60810	20.59	ug/l	93
22) Diisopropyl ether	3.88	45	207486	19.87	ug/l	96
23) Vinyl Acetate	3.83	43	862716	97.31	ug/l	98
24) 1,1-Dichloroethane	3.70	63	112266	20.66	ug/l	99
25) 2-Butanone	4.71	43	262922	107.85	ug/l	95
26) 2,2-Dichloropropane	4.59	77	68495	14.41	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	72735	20.04	ug/l	95
28) Bromochloromethane	5.02	49	57451	20.98	ug/l	88
29) Tetrahydrofuran	5.17	42	167648	105.95	ug/l	96
30) Chloroform	5.22	83	123346	20.63	ug/l	97
31) Cyclohexane	5.57	56	103516	20.34	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	108413	20.56	ug/l	98
36) 1,1-Dichloropropene	5.80	75	89126	19.93	ug/l	97
37) Ethyl Acetate	4.87	43	98819	20.15	ug/l	98
38) Carbon Tetrachloride	5.79	117	96137	19.65	ug/l	98

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Manual Integrations
 APPROVED

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 7/10/2018 3:11:55 PM

Quant Time: Jul 10 01:23:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101760	19.31	ug/l	98
40) Benzene	6.15	78	269763	20.35	ug/l	100
41) Methacrylonitrile	5.07	41	55605	20.71	ug/l	97
42) 1,2-Dichloroethane	6.20	62	99236	20.04	ug/l	98
43) Isopropyl Acetate	6.47	43	154878	20.11	ug/l	98
44) Trichloroethene	7.21	130	79035	20.16	ug/l	100
45) 1,2-Dichloropropane	7.52	63	69082	20.05	ug/l	100
46) Dibromomethane	7.67	93	47419	20.19	ug/l	95
47) Bromodichloromethane	7.90	83	86911	20.05	ug/l	99
48) Methyl methacrylate	7.78	41	81733	20.70	ug/l	93
49) 1,4-Dioxane	7.76	88	34860	422.16	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	520120	108.50	ug/l	97
52) Toluene	8.79	92	174358	20.81	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	96929	19.01	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	88380	19.04	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	69725	20.06	ug/l	96
56) Ethyl methacrylate	9.18	69	95782	20.12	ug/l	91
57) 1,3-Dichloropropane	9.38	76	114864	20.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	249302	108.55	ug/l	97
59) 2-Hexanone	9.50	43	389734	107.04	ug/l	94
60) Dibromochloromethane	9.59	129	72929	20.09	ug/l	99
61) 1,2-Dibromoethane	9.68	107	75752	20.79	ug/l	99
64) Tetrachloroethene	9.34	164	93545	20.68	ug/l	99
65) Chlorobenzene	10.14	112	199810	19.66	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	73753	20.11	ug/l	99
67) Ethyl Benzene	10.26	91	328358	19.97	ug/l	100
68) m/p-Xylenes	10.36	106	260594	40.75	ug/l	96
69) o-Xylene	10.70	106	121682	19.64	ug/l	98
70) Styrene	10.71	104	201537	20.06	ug/l	98
71) Bromoform	10.86	173	56349	18.67	ug/l	100
73) Isopropylbenzene	11.02	105	336559	20.73	ug/l	100
74) N-amyl acetate	6.47	43	154878	20.00	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	103738	20.60	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100190m	22.55	ug/l	
77) Bromobenzene	11.26	156	95655	20.41	ug/l	95
78) n-propylbenzene	11.37	91	370563	20.53	ug/l	98
79) 2-Chlorotoluene	11.43	91	226025	20.56	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	277578	20.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	22733	16.72	ug/l	95
82) 4-Chlorotoluene	11.51	91	259758	20.23	ug/l	97
83) tert-Butylbenzene	11.77	119	276973	20.51	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	286428	20.69	ug/l	97
85) sec-Butylbenzene	11.95	105	326983	20.49	ug/l	98
86) p-Isopropyltoluene	12.07	119	292813	20.14	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	170592	19.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	171193	19.67	ug/l	99
89) n-Butylbenzene	12.39	91	231987	19.10	ug/l	98
90) Hexachloroethane	12.60	117	42333	19.07	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	174984	20.27	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21361	19.77	ug/l	91

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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

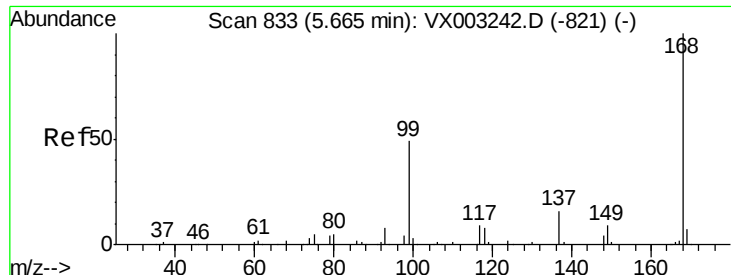
Manual Integrations
APPROVED

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7/10/2018 3:11:55 PM

Quant Time: Jul 10 01:23:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	125147	19.92	ug/l	99
94) Hexachlorobutadiene	13.79	225	61575	19.69	ug/l	98
95) Naphthalene	13.84	128	348479	21.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128126	20.45	ug/l	100

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



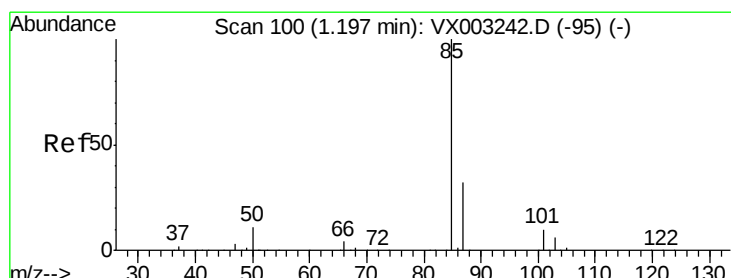
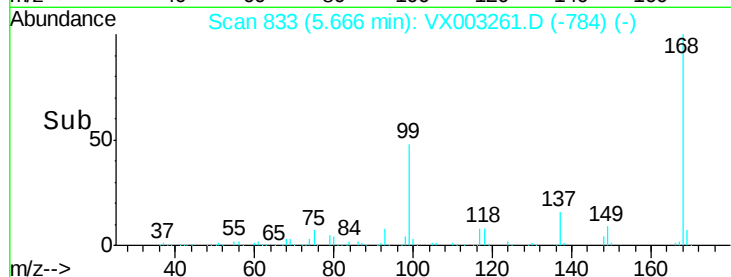
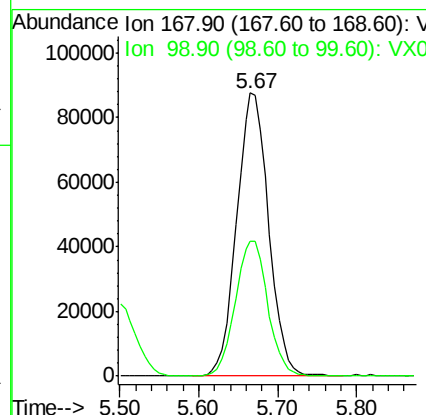
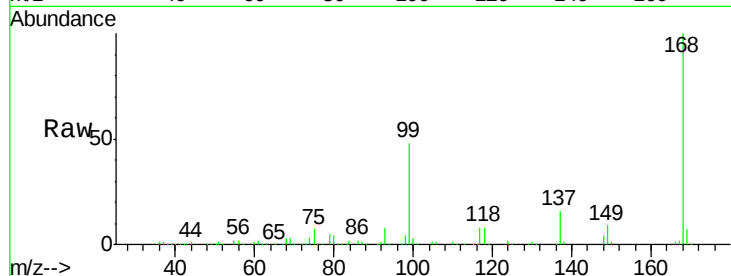
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.6	39.3	58.9

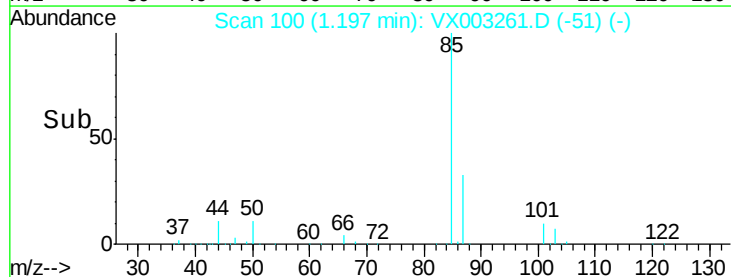
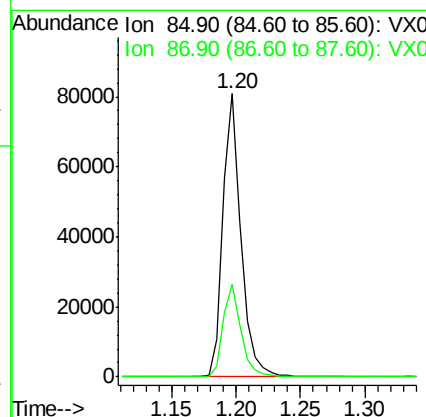
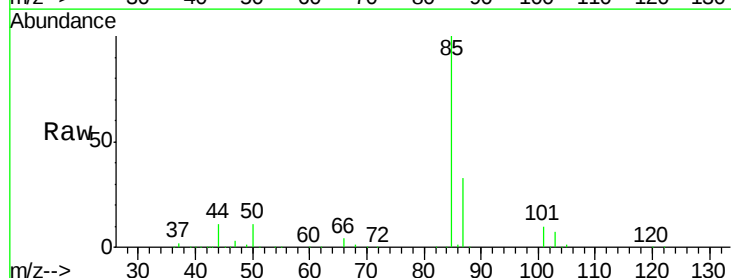
Manual Integrations
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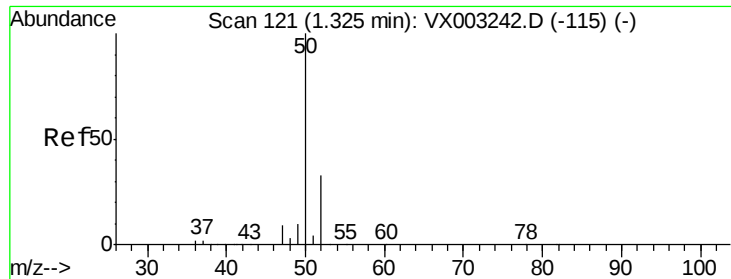
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#2
Dichlorodifluoromethane
Concen: 21.50 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.0	47.9





#3

Chloromethane

Concen: 20.38 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 50 Resp: 69474

Ion Ratio Lower Upper

50 100

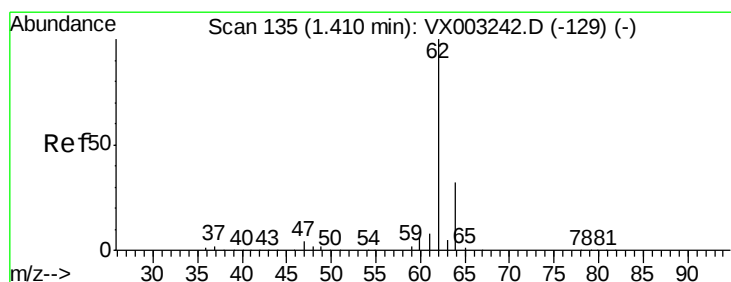
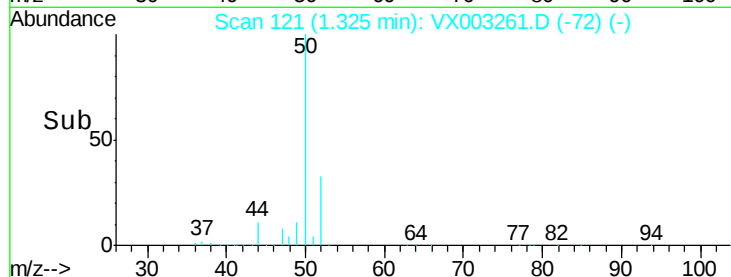
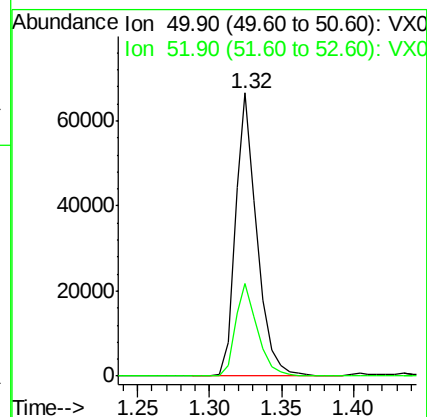
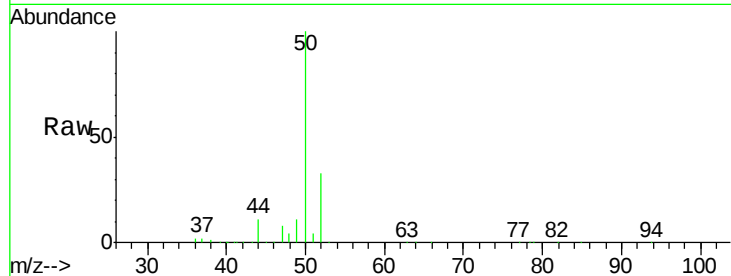
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.75 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003261.D

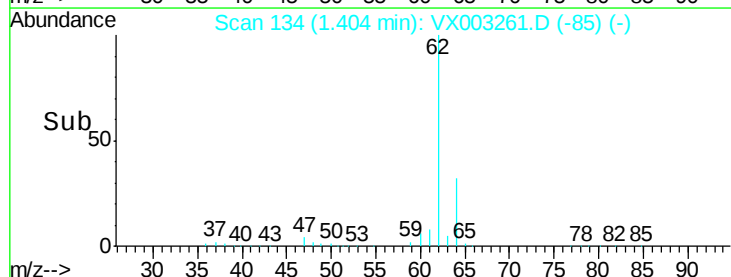
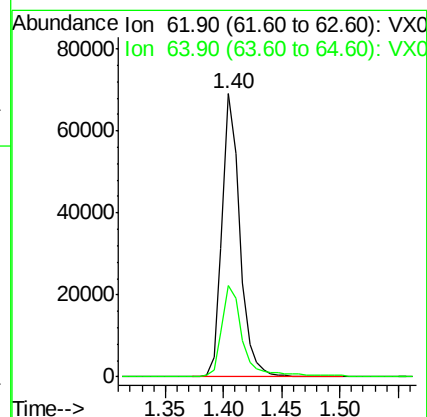
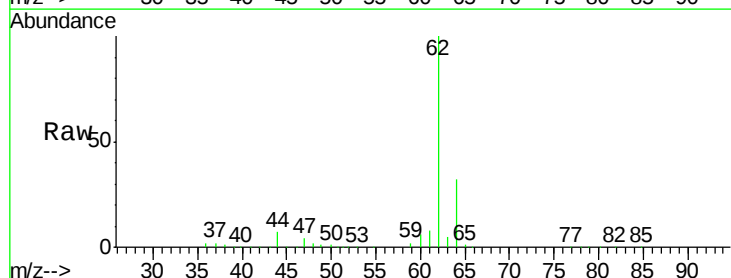
Acq: 09 Jul 2018 23:10

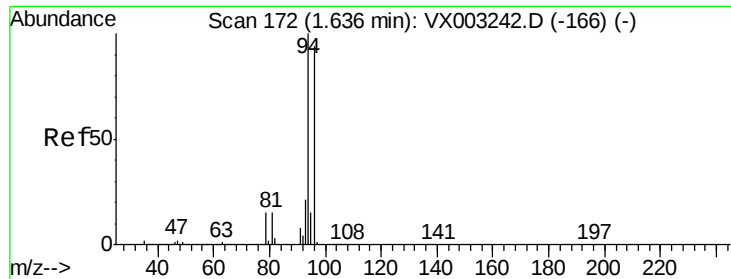
Tgt Ion: 62 Resp: 72595

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 28.10 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 94 Resp: 28677

Ion Ratio Lower Upper

94 100

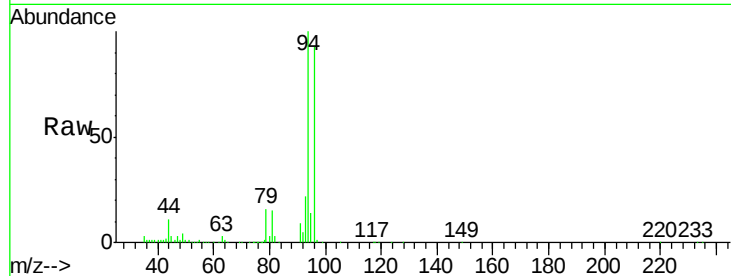
96 92.5 74.9 112.3

Manual Integrations

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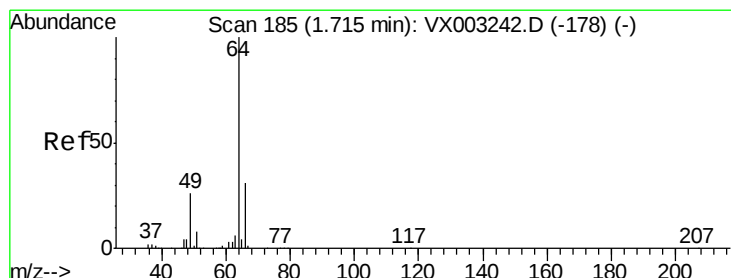
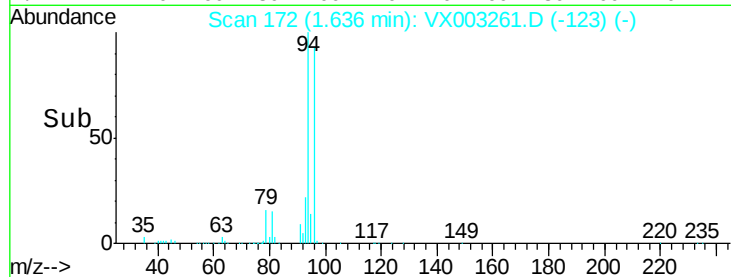
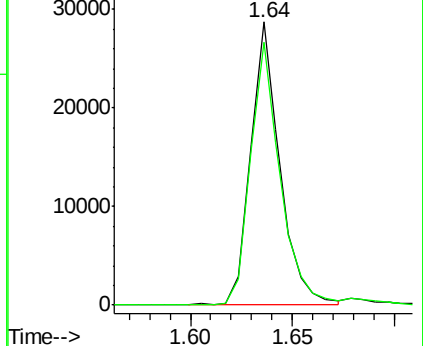
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.29 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003261.D

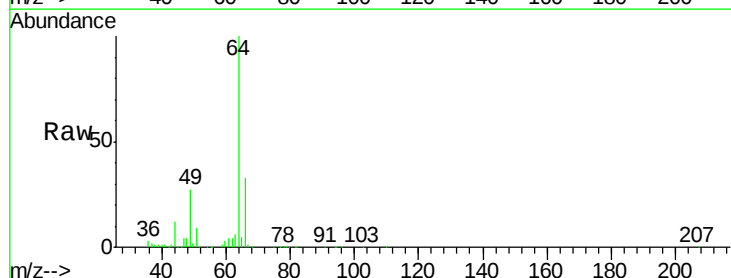
Acq: 09 Jul 2018 23:10

Tgt Ion: 64 Resp: 41256

Ion Ratio Lower Upper

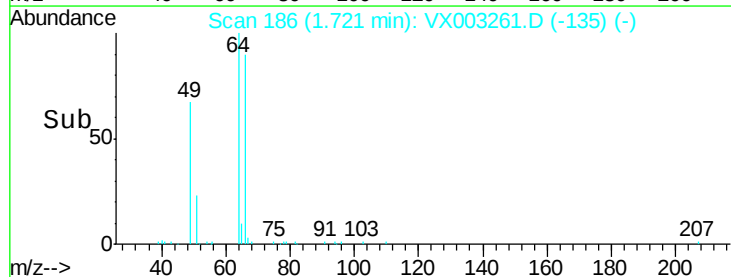
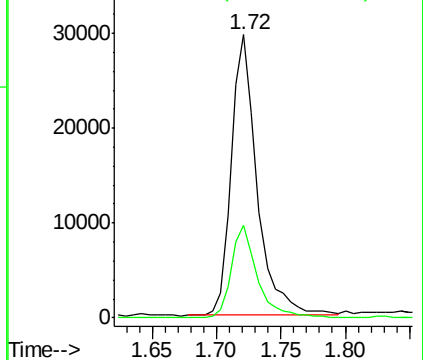
64 100

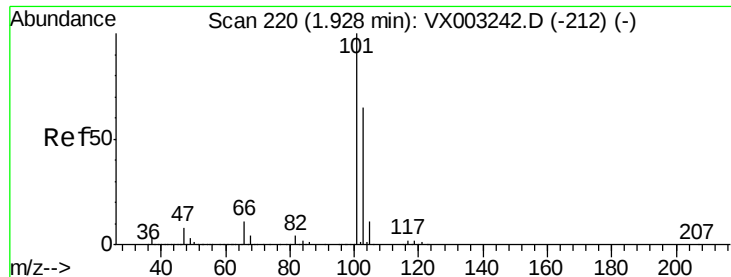
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

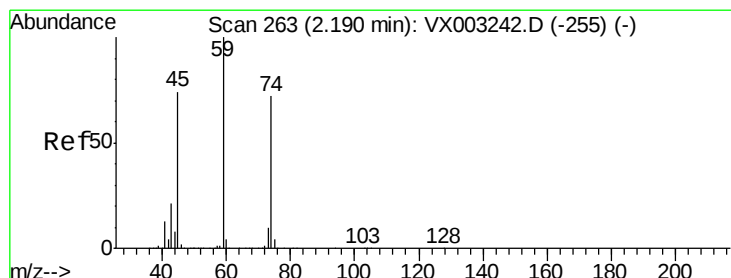
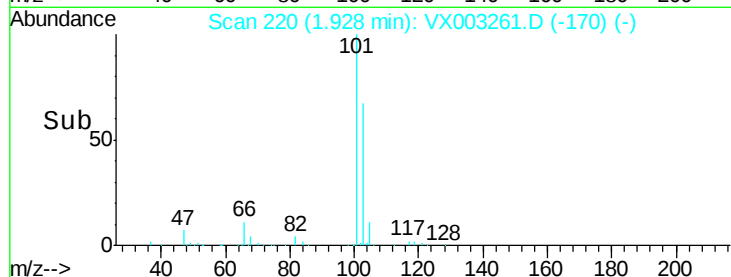
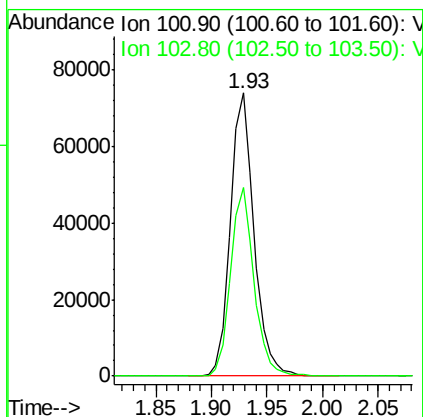
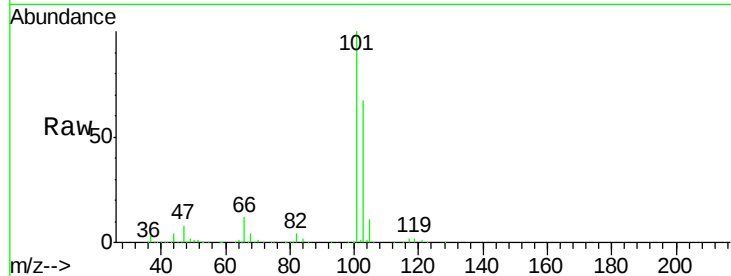
Trichlorofluoromethane
 Concen: 20.90 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108705		
103	66.7	52.8	79.2	

Manual Integrations
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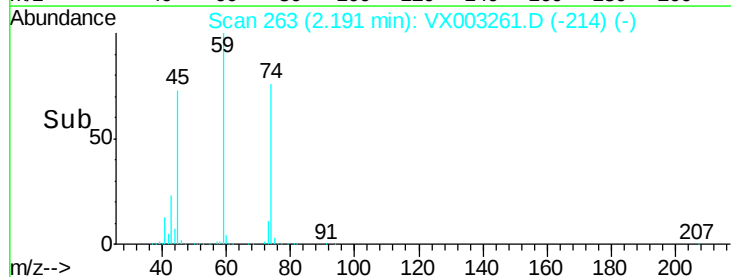
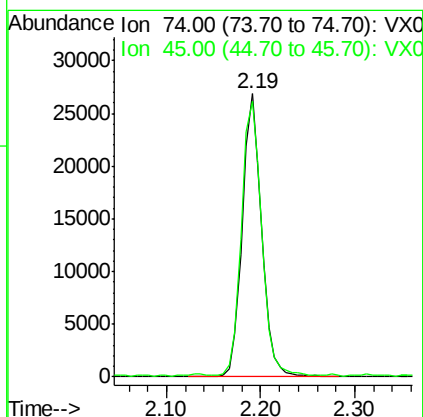
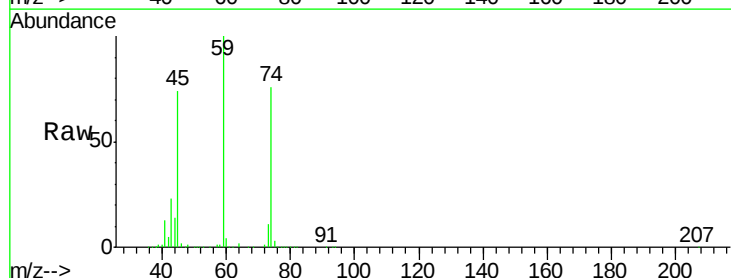
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 7/10/2018 3:11:55 PM

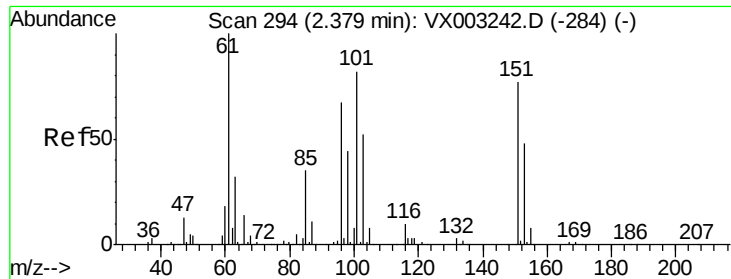


#8

Diethyl Ether
 Concen: 20.47 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38484		
45	100.6	53.1	159.4	





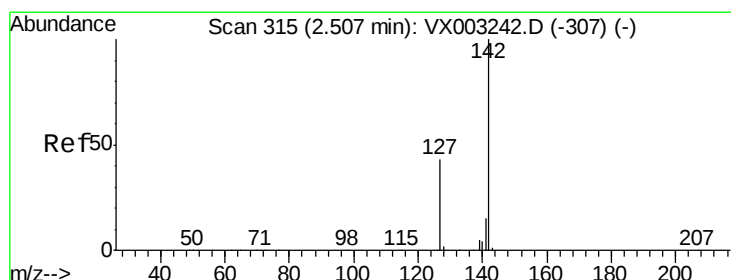
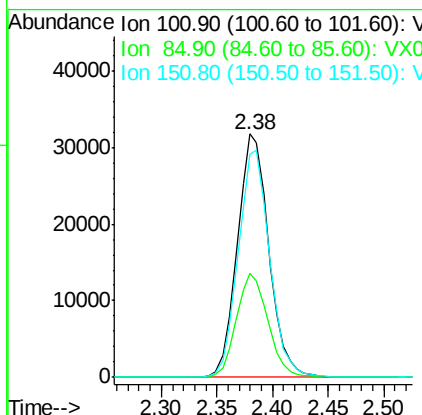
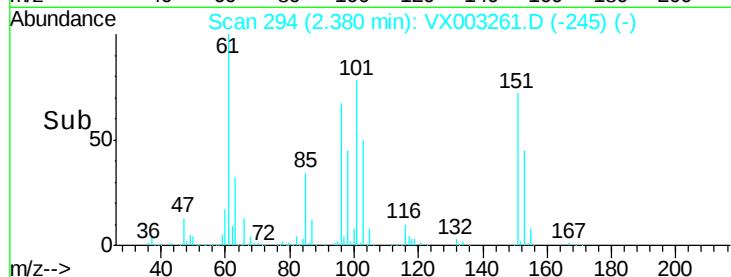
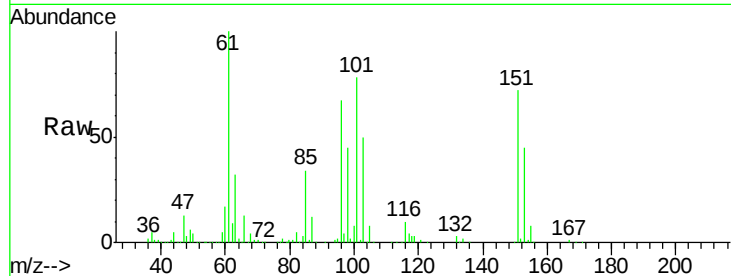
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 1,1,2-Trichlorotrifluoroethane
 Concen: 20.44 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	36.0	54.0
151	93.3	70.9	106.3

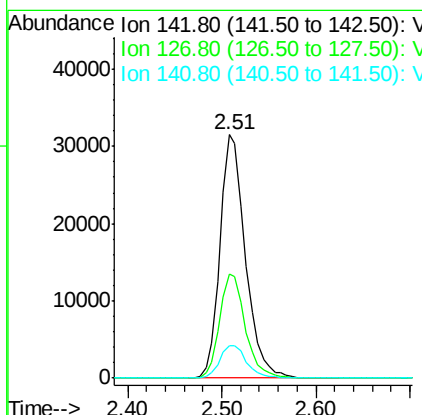
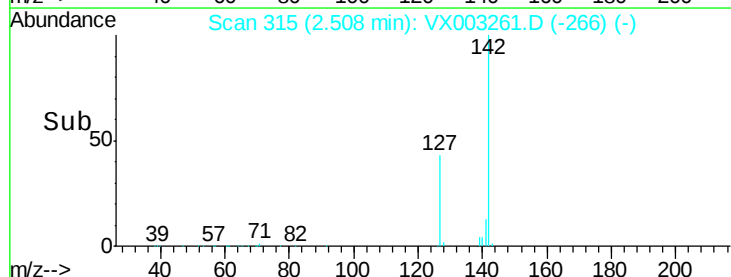
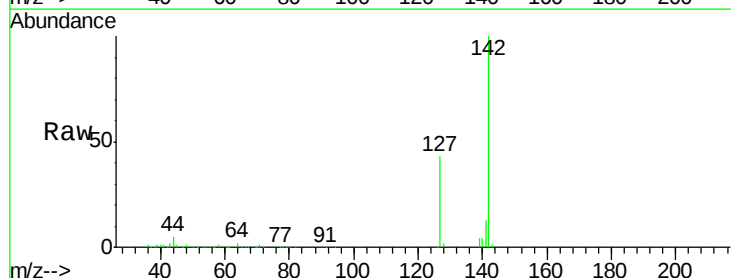
Manual Integrations
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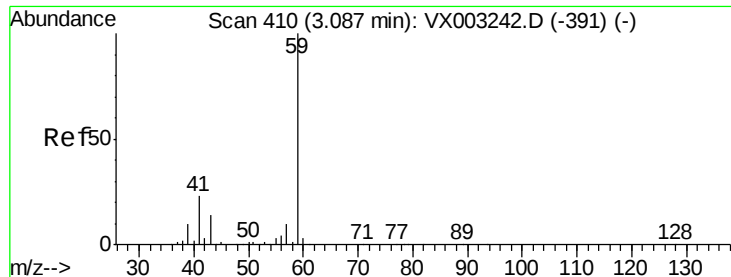
MMDadoda
 7/10/2018 3:11:55 PM



#10
 Methyl Iodide
 Concen: 21.18 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	36.6	55.0
141	14.1	11.3	16.9





#11

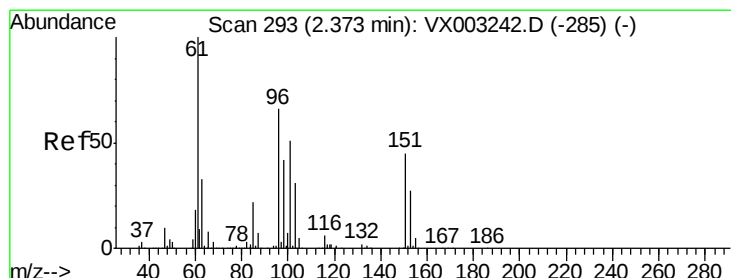
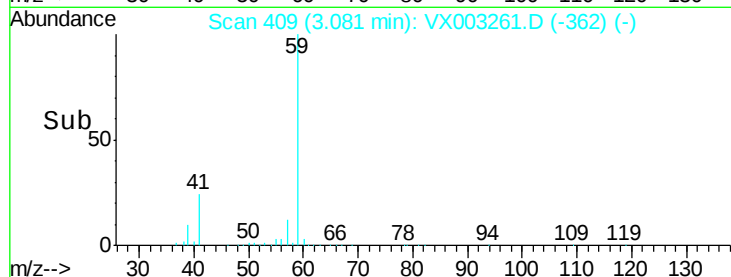
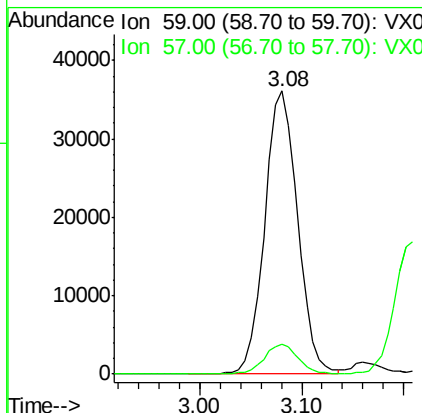
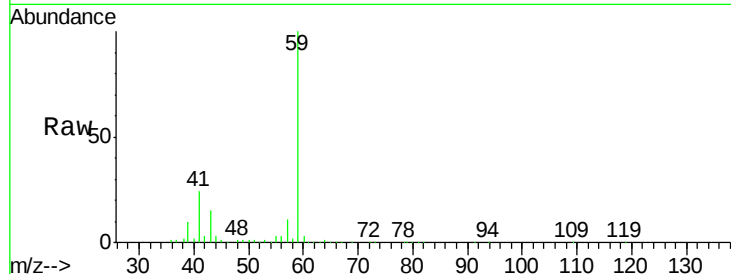
Tert butyl alcohol
Concen: 114.90 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.2

Manual Integrations
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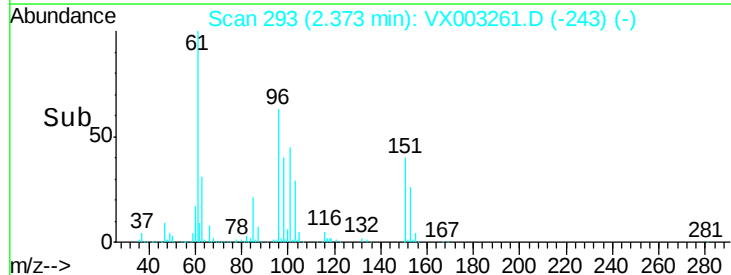
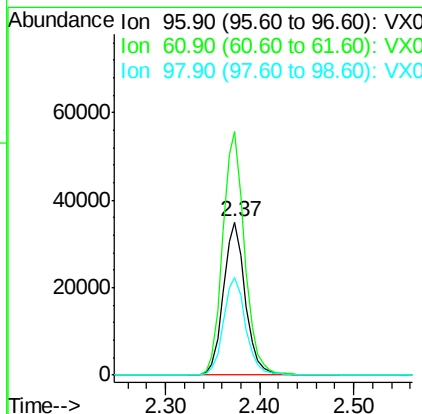
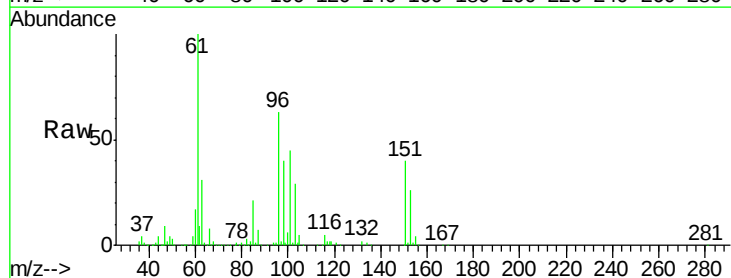
MMDadoda
7/10/2018 3:11:55 PM

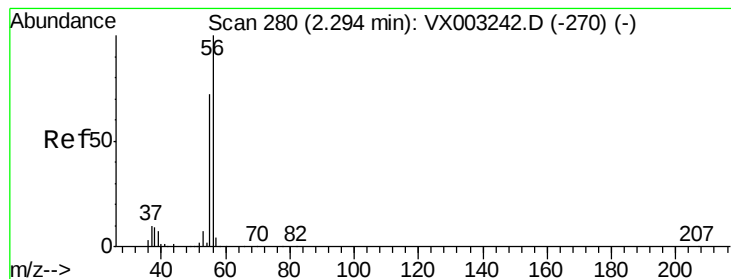


#12

1,1-Dichloroethene
Concen: 20.31 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	137.9	206.9
98	63.9	51.6	77.4





#13

Acrolein

Concen: 93.21 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 56 Resp: 52845

Ion Ratio Lower Upper

56 100

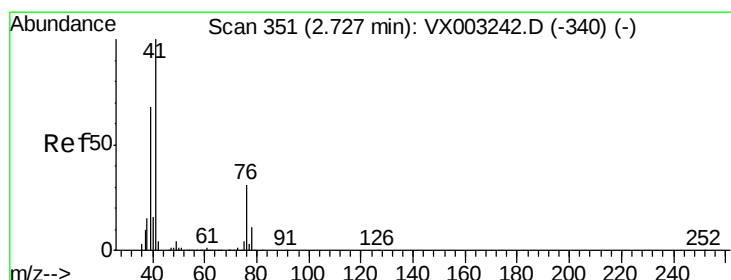
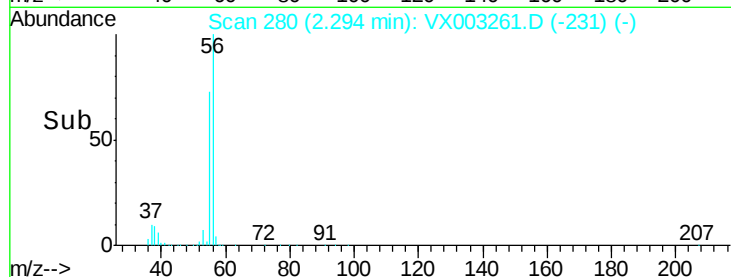
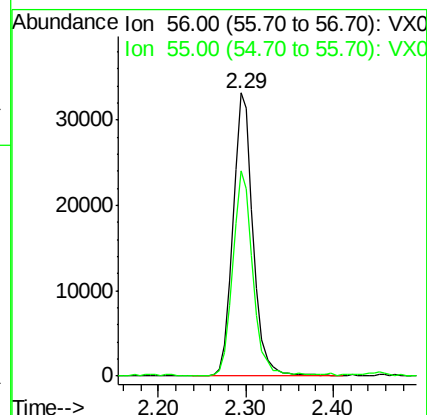
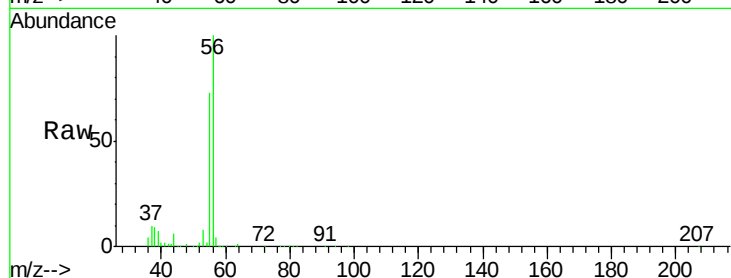
55 71.7 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

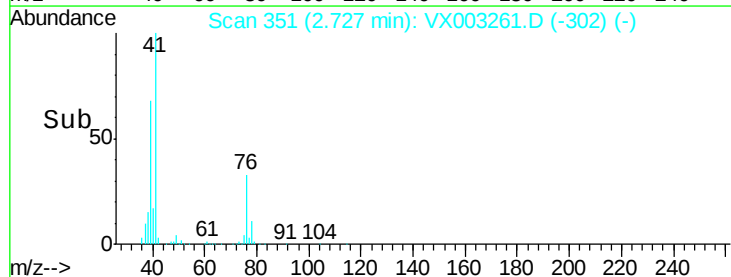
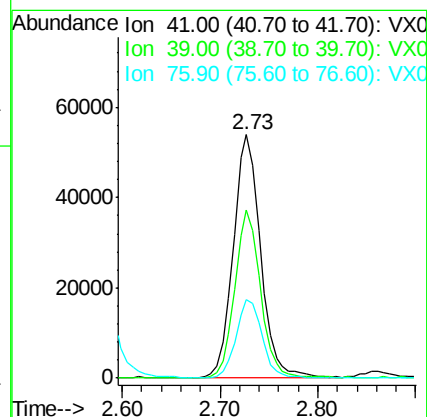
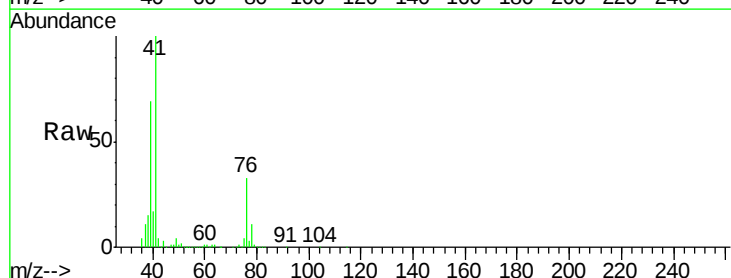
Tgt Ion: 41 Resp: 103962

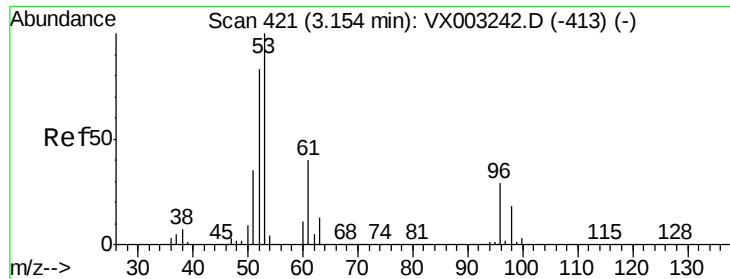
Ion Ratio Lower Upper

41 100

39 64.9 56.8 85.2

76 31.4 23.8 35.8





#15

Acrylonitrile

Concen: 106.35 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 53 Resp: 167075

Ion Ratio Lower Upper

53 100

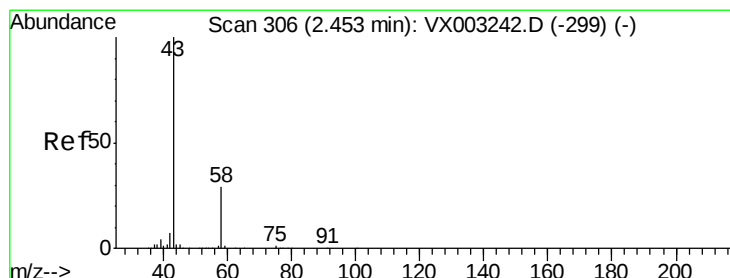
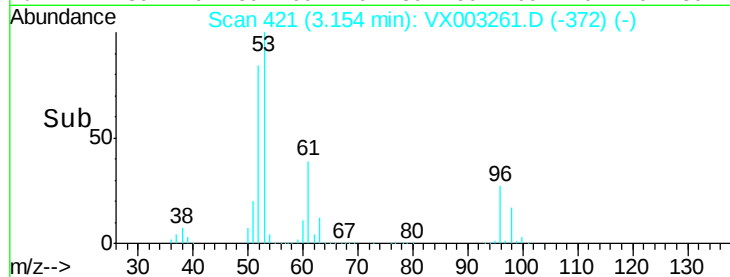
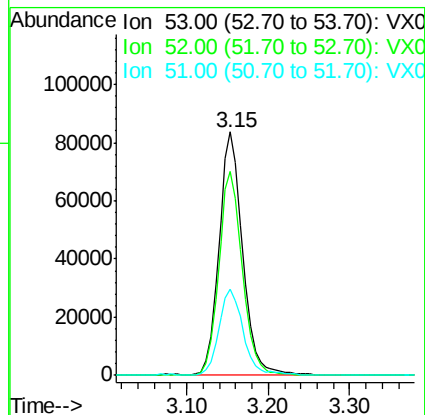
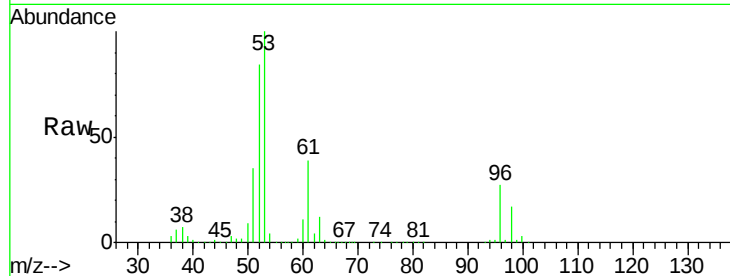
52 84.0 66.7 100.1

51 36.7 29.9 44.9

Manual Integrations
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#16

Acetone

Concen: 112.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003261.D

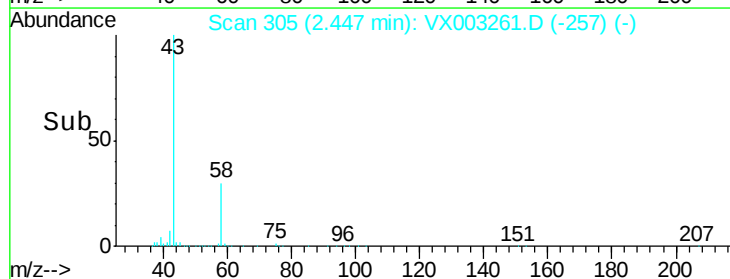
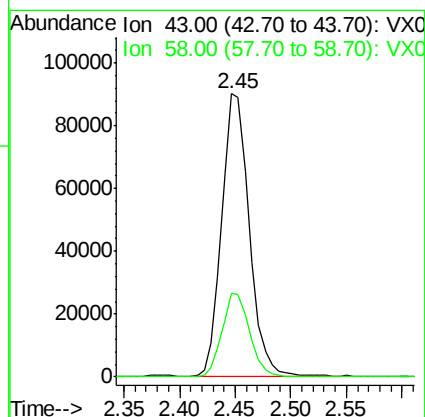
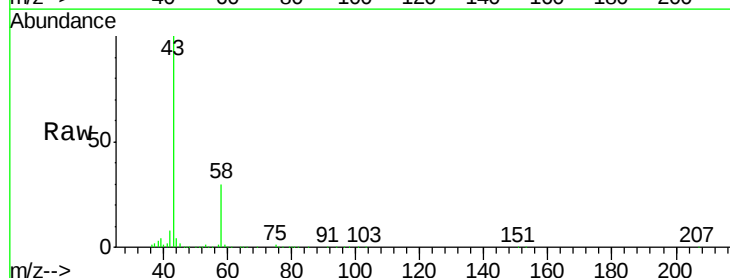
Acq: 09 Jul 2018 23:10

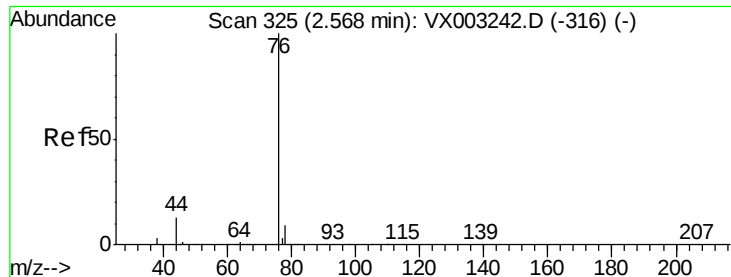
Tgt Ion: 43 Resp: 154434

Ion Ratio Lower Upper

43 100

58 29.6 22.1 33.1





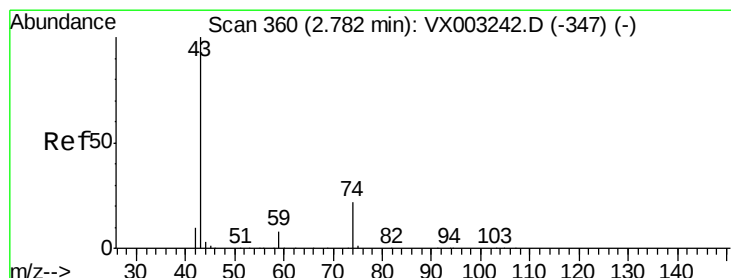
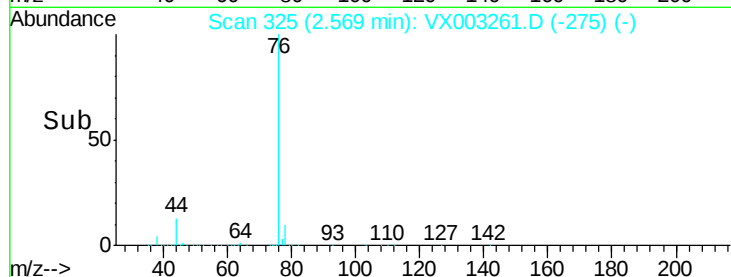
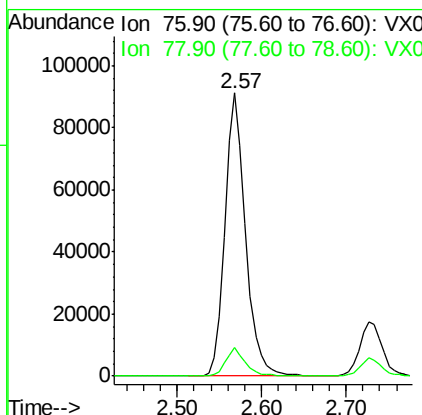
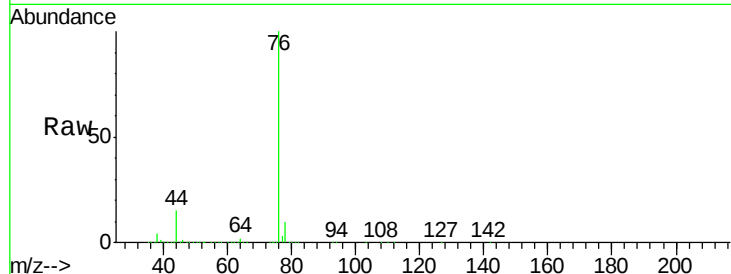
#17
Carbon Disulfide
Concen: 19.84 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampled :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	10.3

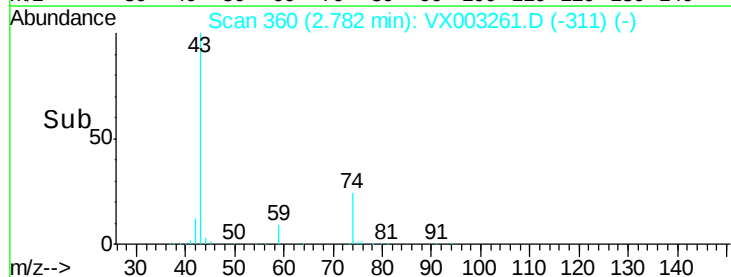
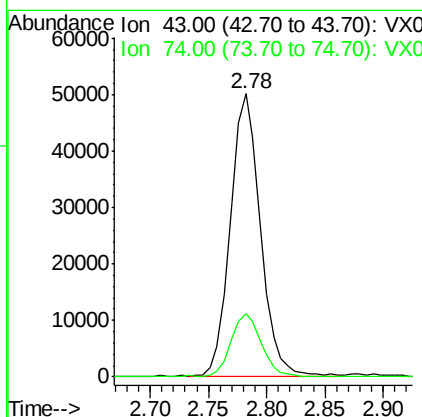
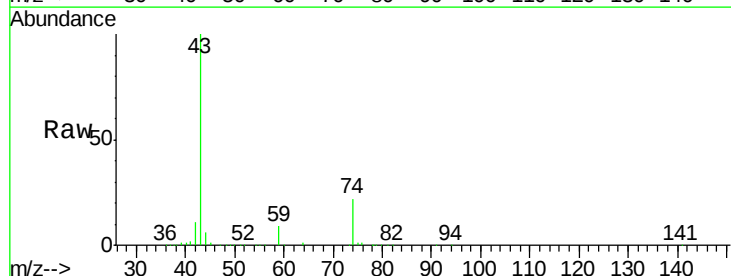
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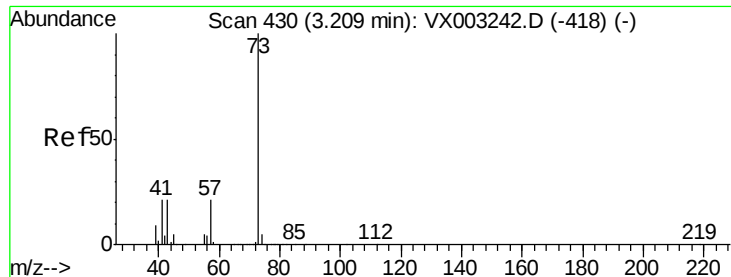
MMDadoda
7/10/2018 3:11:55 PM



#18
Methyl Acetate
Concen: 23.07 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	16.7	25.1





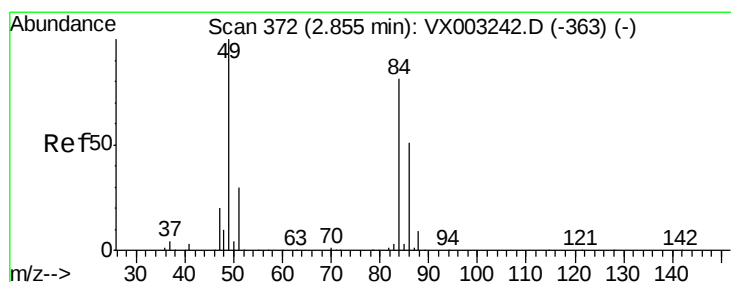
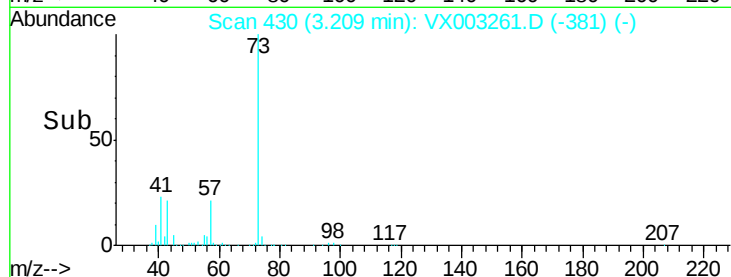
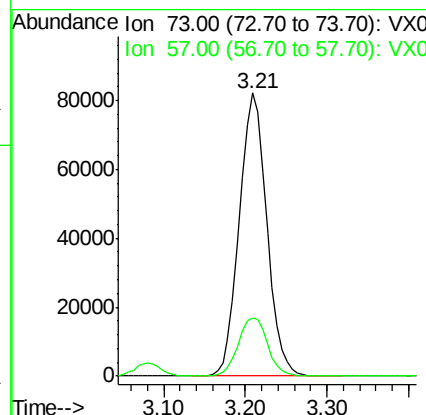
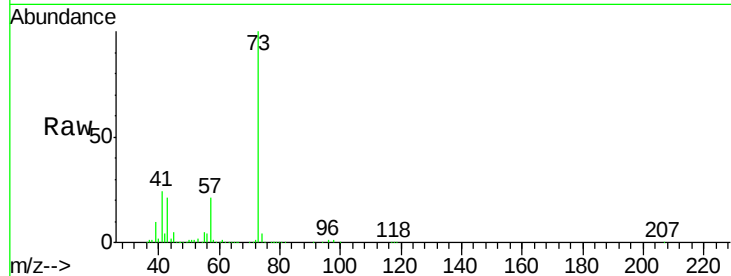
#19
Methvl tert-butvl Ether
Concen: 20.68 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion: 73 Resp: 191441
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5

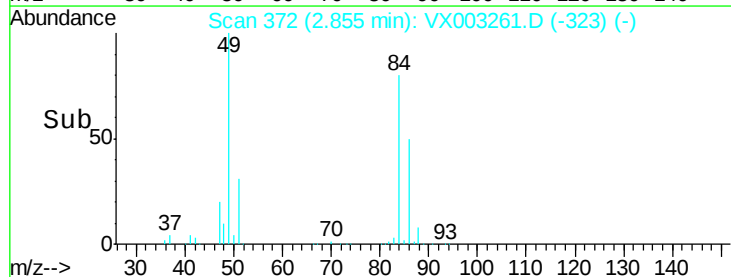
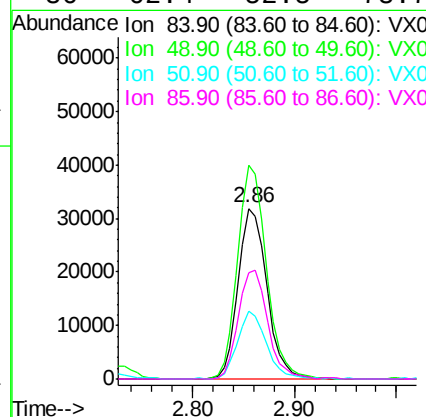
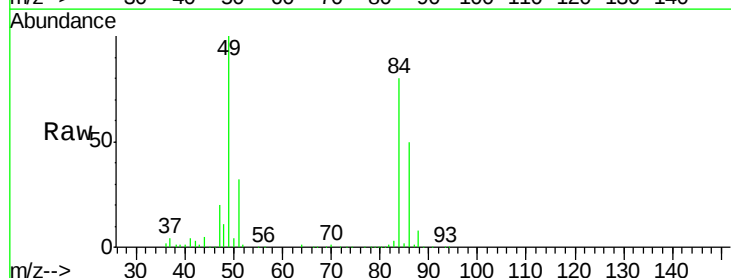
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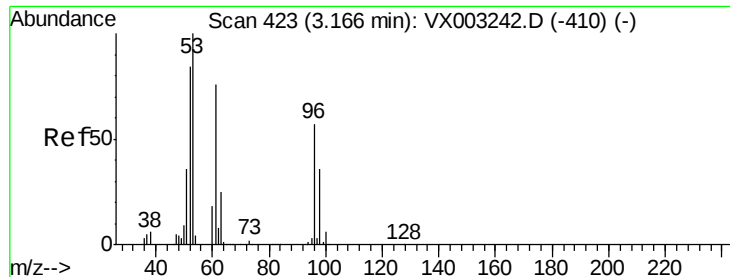
MMDadoda
7/10/2018 3:11:55 PM



#20
Methylene Chloride
Concen: 21.76 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion: 84 Resp: 62565
Ion Ratio Lower Upper
84 100
49 125.2 107.8 161.6
51 39.4 32.8 49.2
86 62.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.59 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

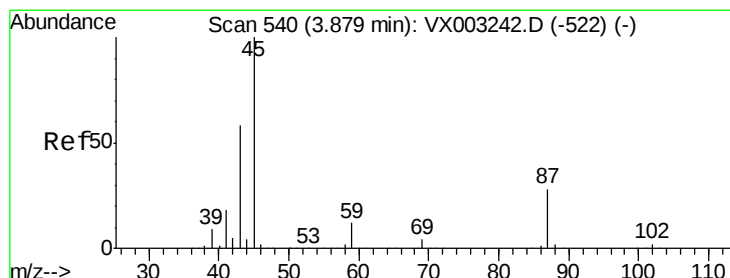
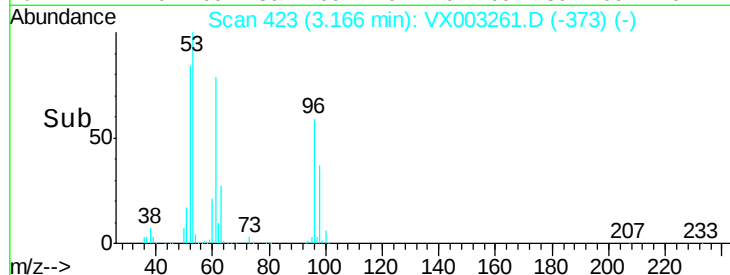
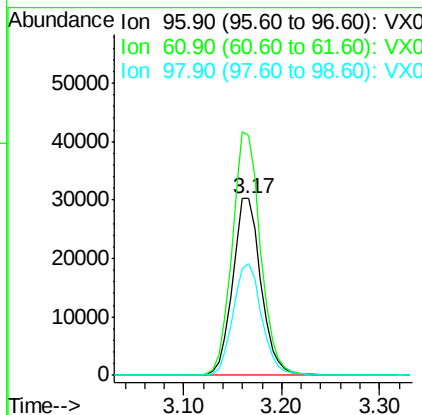
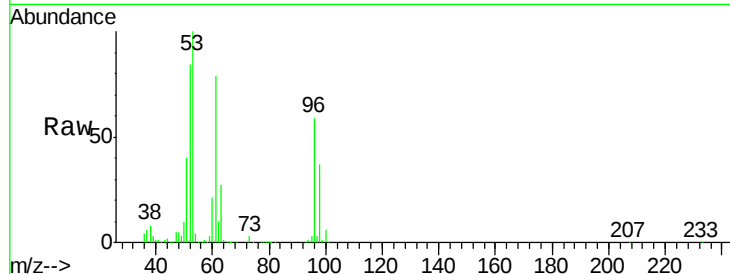
ClientSampleId :

VX0709WBS02

Tot Ion:	96	Resp:	60810
Ion	Ratio	Lower	Upper
96	100		
61	135.2	117.0	175.4
98	63.0	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.87 ug/l

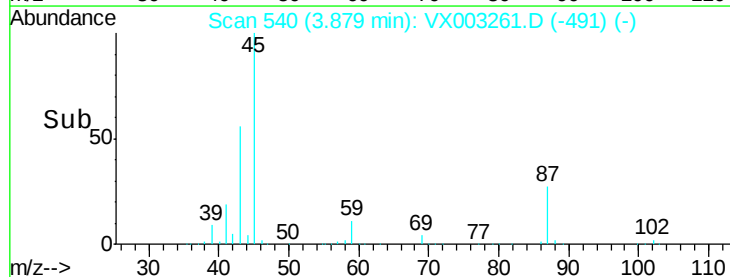
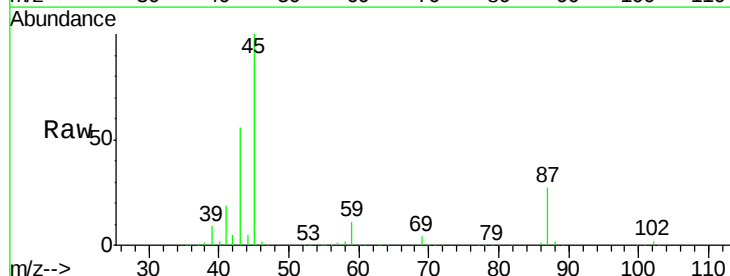
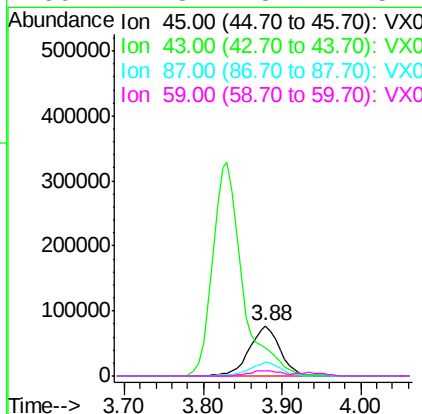
RT: 3.88 min Scan# 540

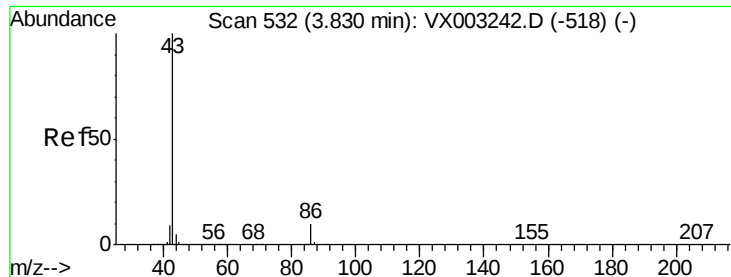
Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Tgt Ion:	45	Resp:	207486
Ion	Ratio	Lower	Upper
45	100		
43	54.8	46.8	70.2
87	26.9	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 97.31 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 43 Resp: 862716

Ion Ratio Lower Upper

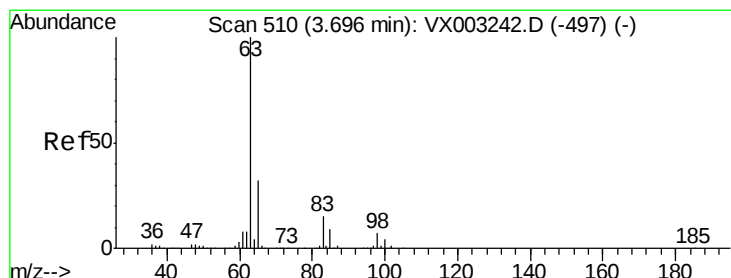
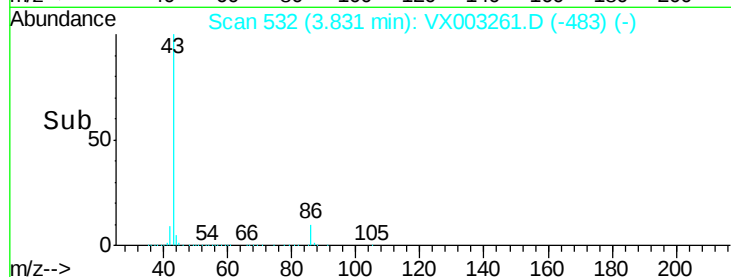
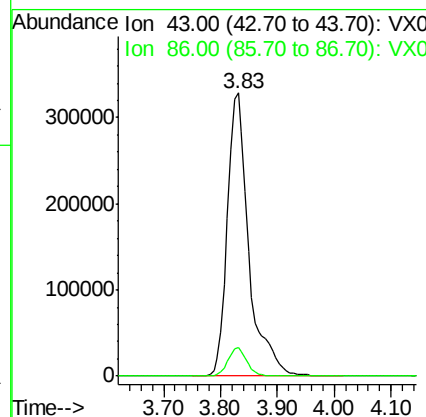
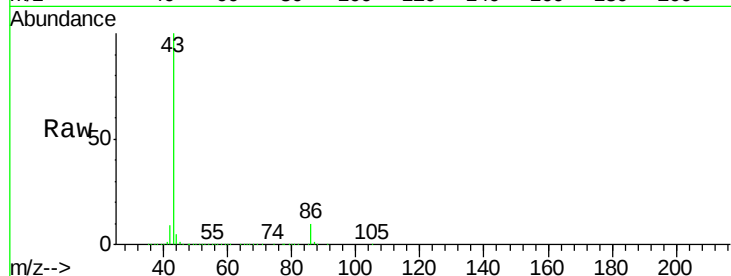
43 100

86 9.9 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 20.66 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

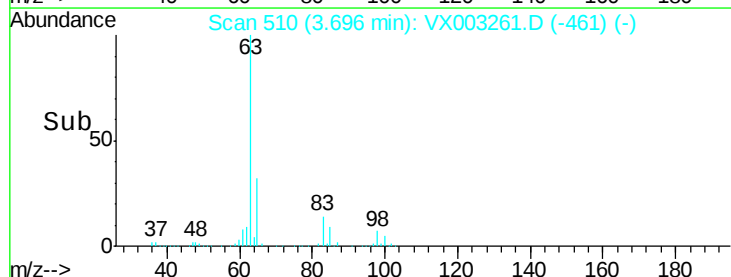
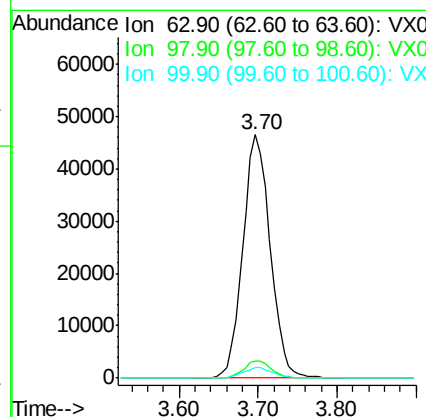
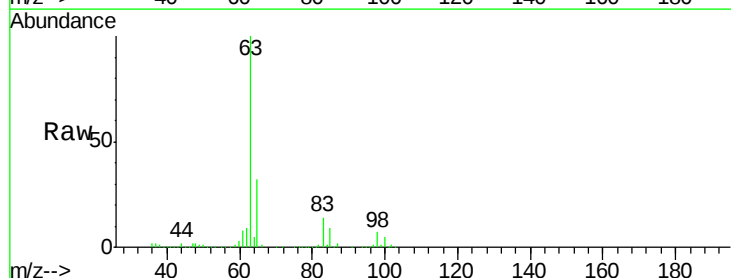
Tgt Ion: 63 Resp: 112266

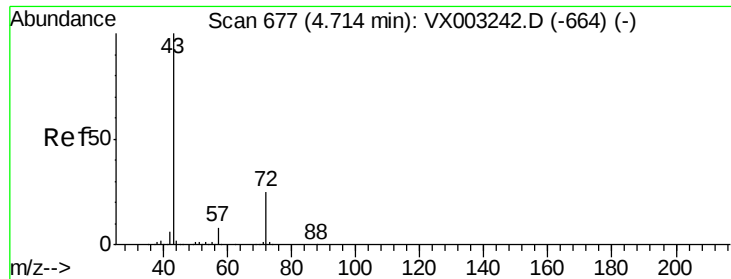
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 107.85 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 43 Resp: 262922

Ion Ratio Lower Upper

43 100

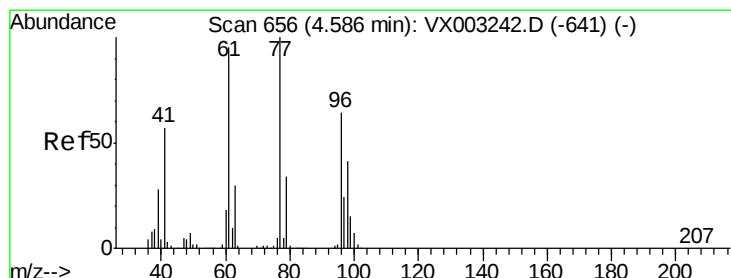
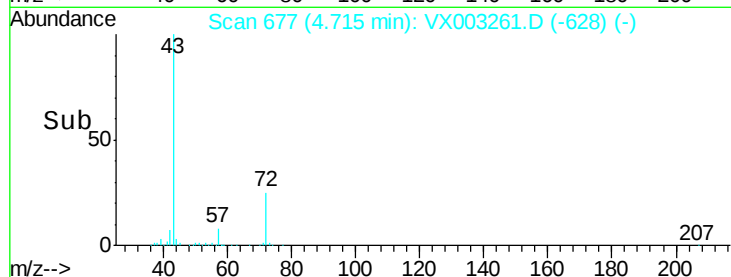
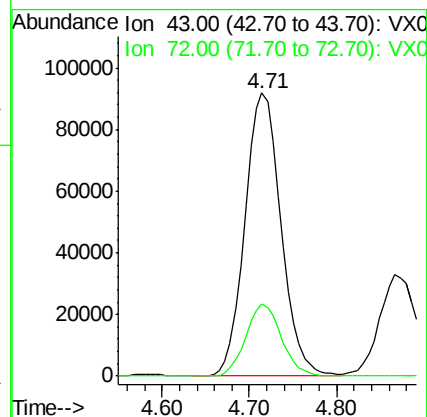
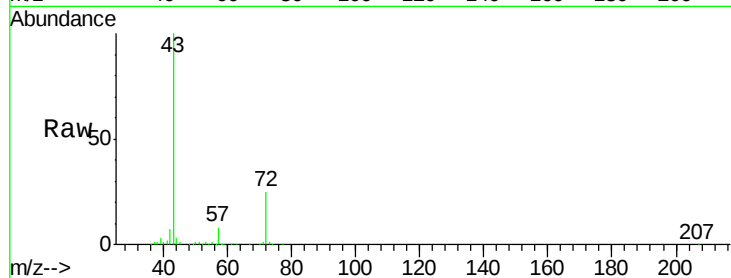
72 25.4 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.41 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003261.D

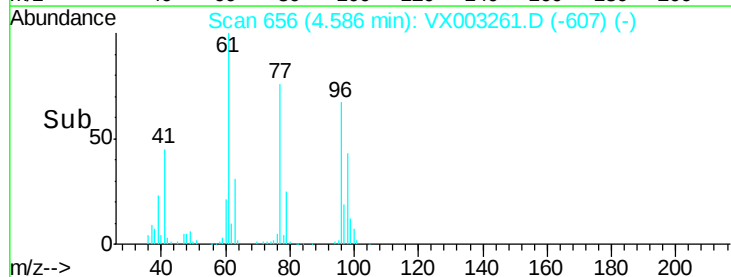
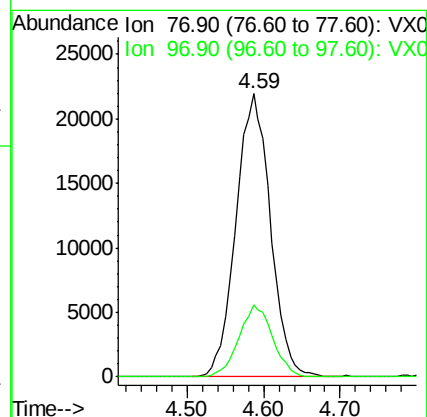
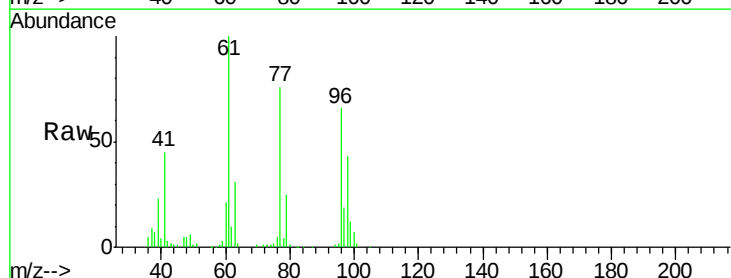
Acq: 09 Jul 2018 23:10

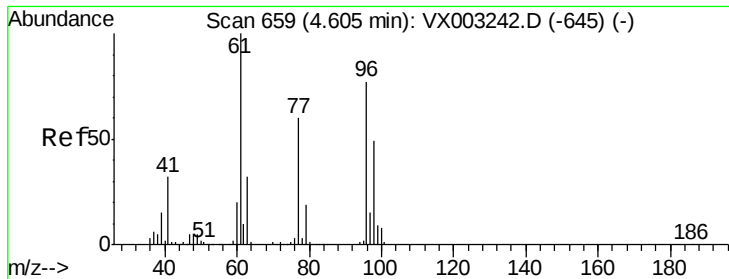
Tgt Ion: 77 Resp: 68495

Ion Ratio Lower Upper

77 100

97 24.8 11.2 33.5





#27

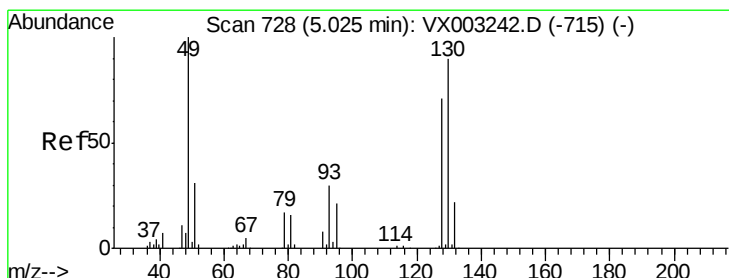
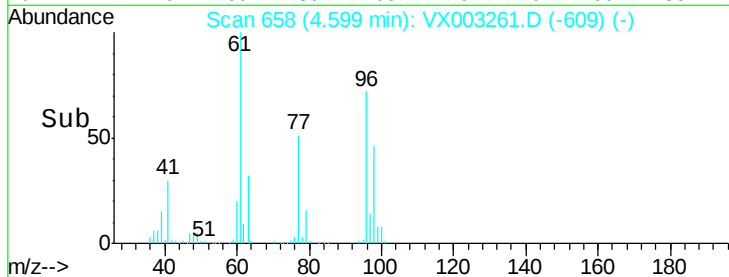
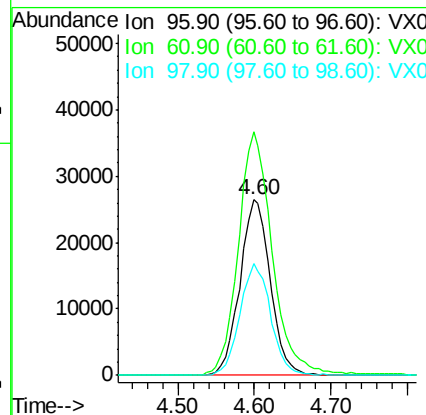
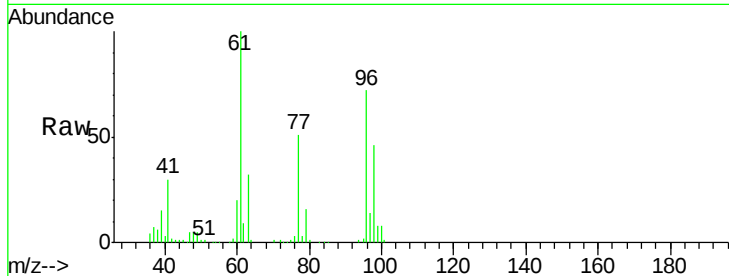
cis-1,2-Dichloroethene
Concen: 20.04 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	330.2
98	64.4	0.0	130.2

Manual Integrations
APPROVED

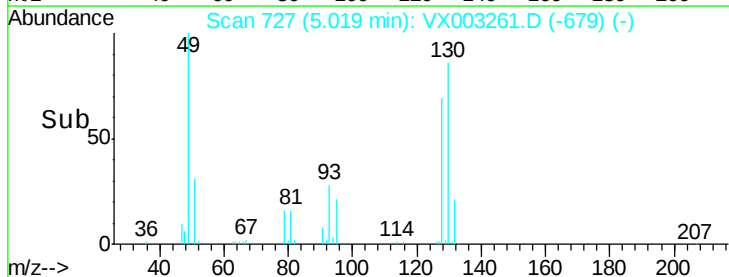
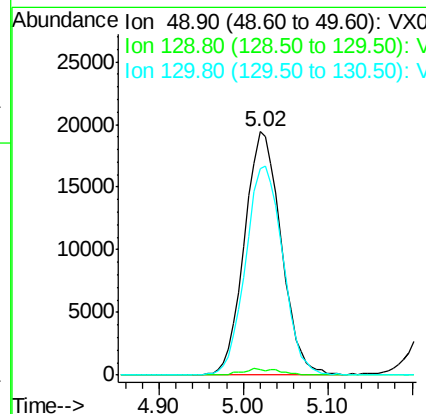
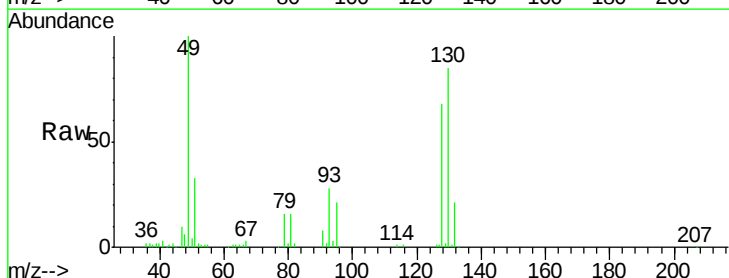
MMDadoda
7/10/2018 3:11:55 PM

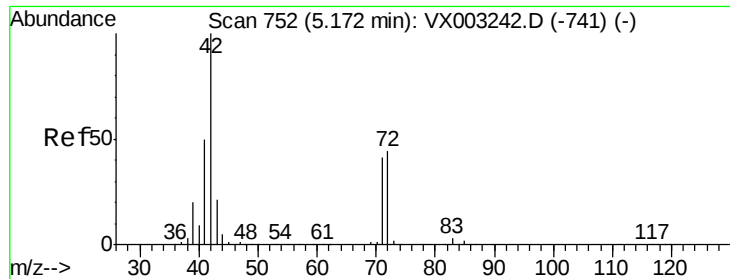


#28

Bromochloromethane
Concen: 20.98 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	87.1	61.2	91.8





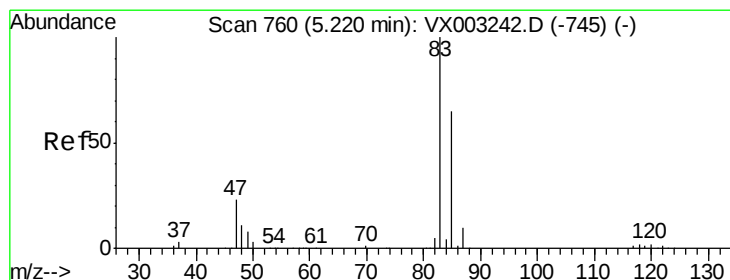
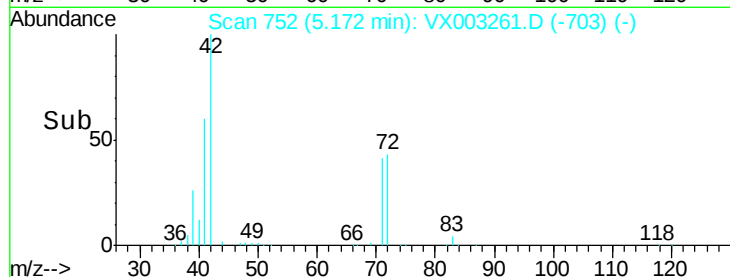
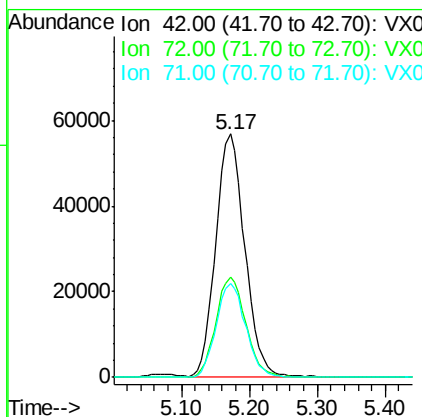
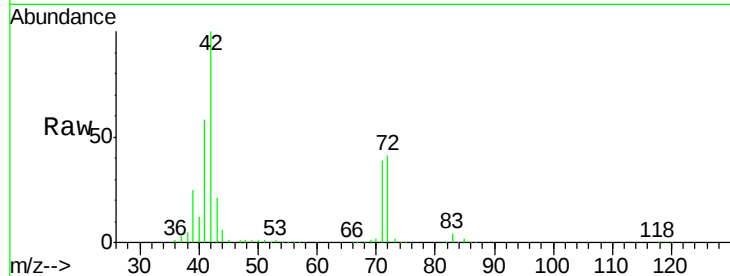
#29
Tetrahydrofuran
Concen: 105.95 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.0	48.0
71	39.6	30.1	45.1

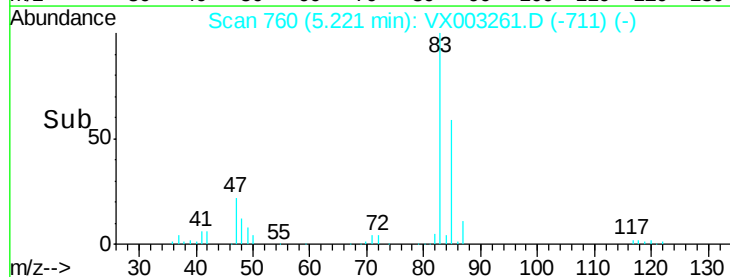
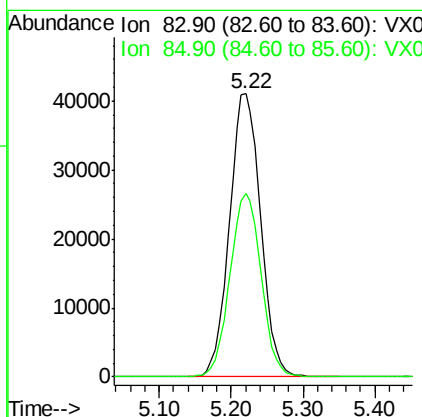
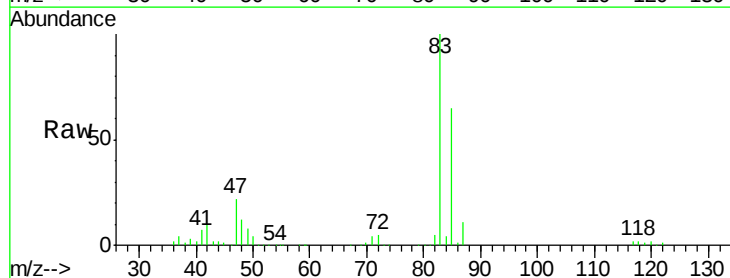
Manual Integrations
APPROVED

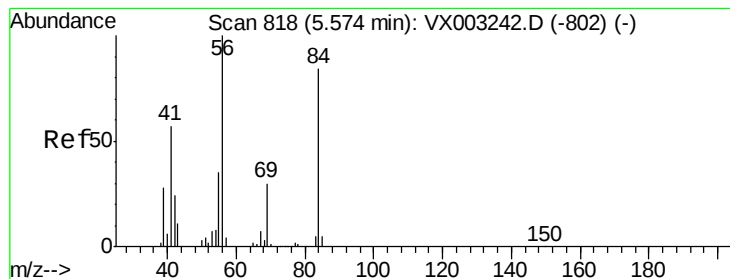
MMDadoda
7/10/2018 3:11:55 PM



#30
Chloroform
Concen: 20.63 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6





#31

Cyclohexane

Concen: 20.34 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

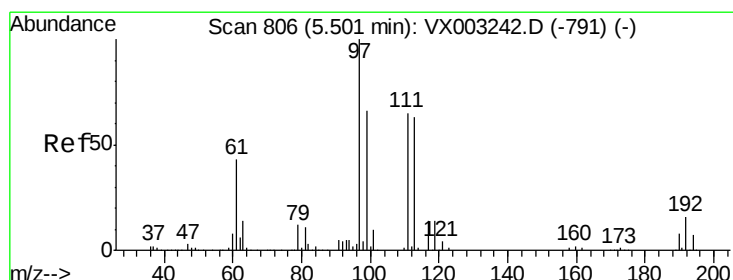
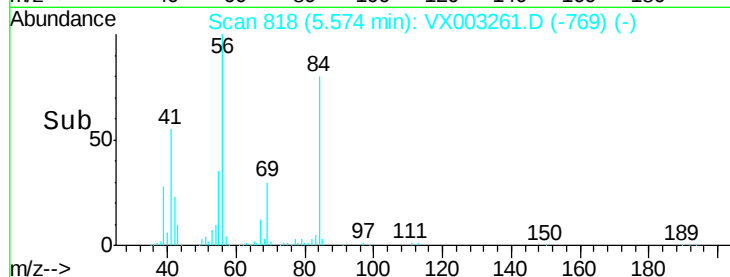
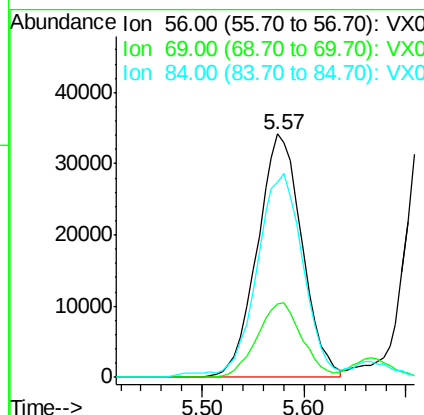
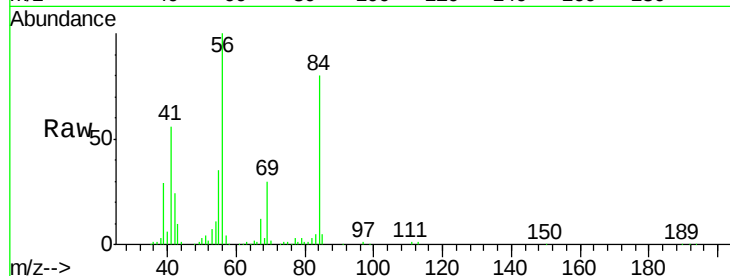
ClientSampleId :

VX0709WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.7	35.5
84	78.4	64.1	96.1

Manual Integrations
APPROVED

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7/10/2018 3:11:55 PM



#32

1,1,1-Trichloroethane

Concen: 20.56 ug/l

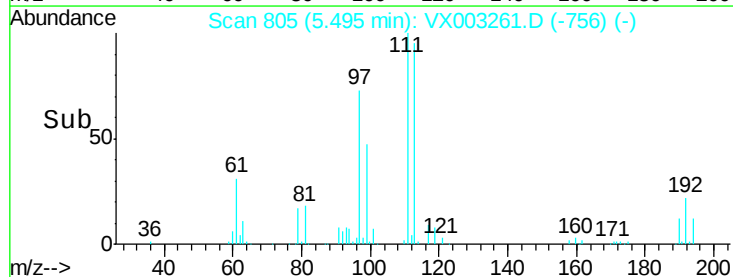
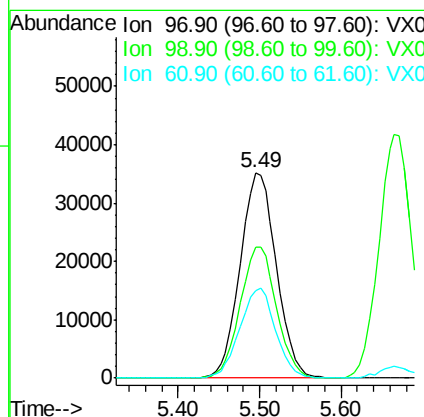
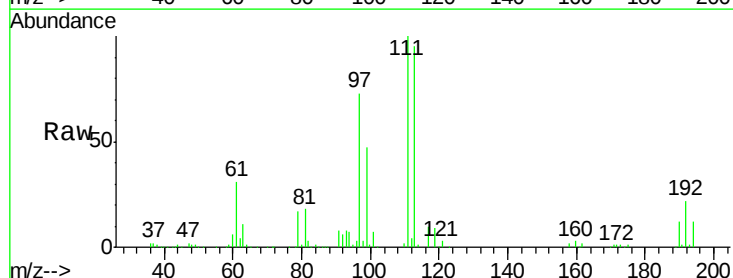
RT: 5.49 min Scan# 805

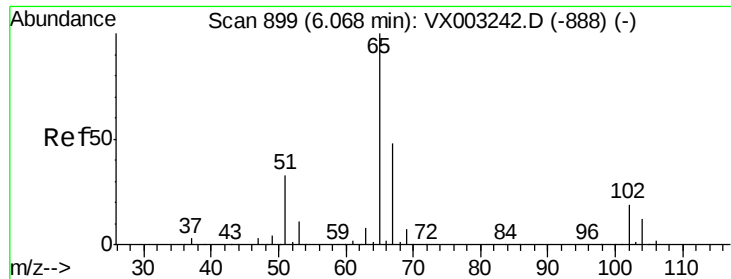
Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 50.35 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 65 Resp: 195376

Ion Ratio Lower Upper

65 100

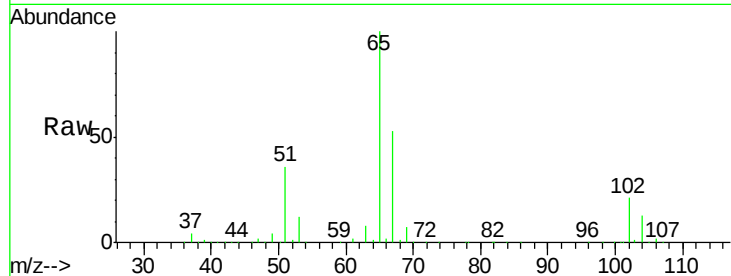
67 52.4 0.0 102.6

Manual Integrations

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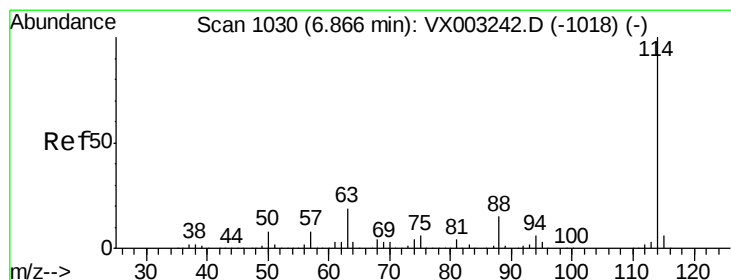
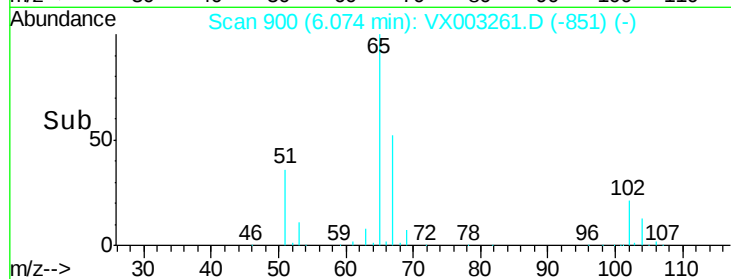
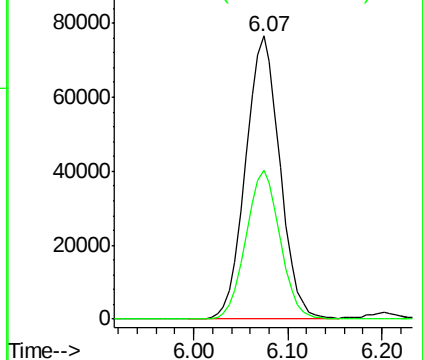
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

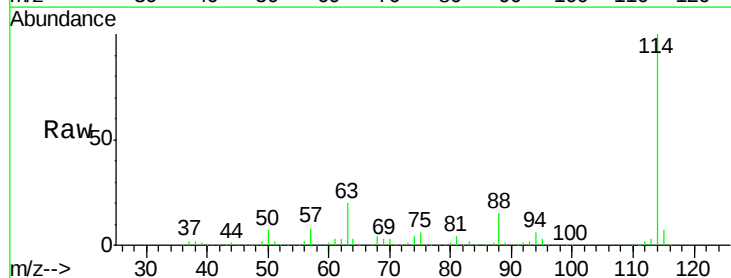
Tgt Ion: 114 Resp: 315972

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

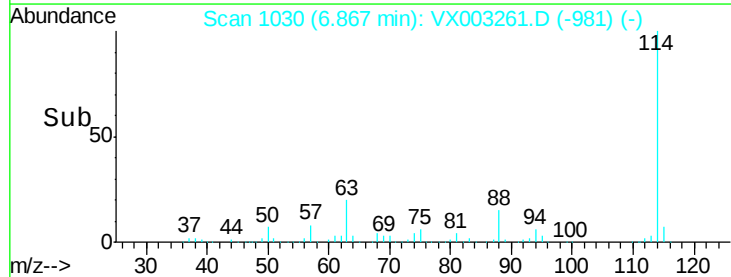
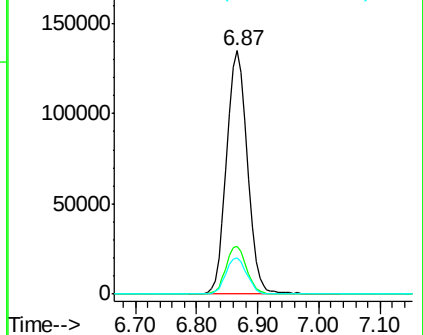
88 15.0 0.0 30.0

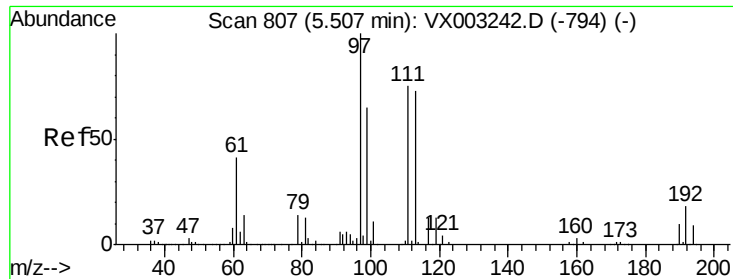


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





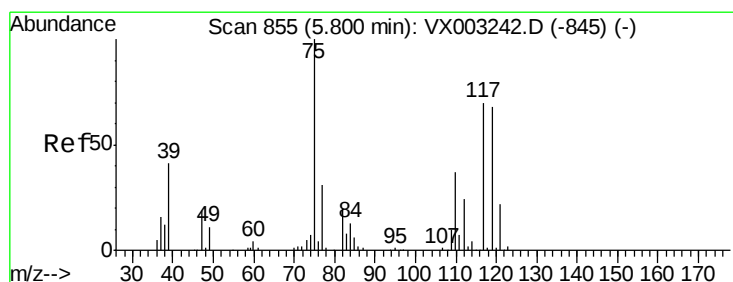
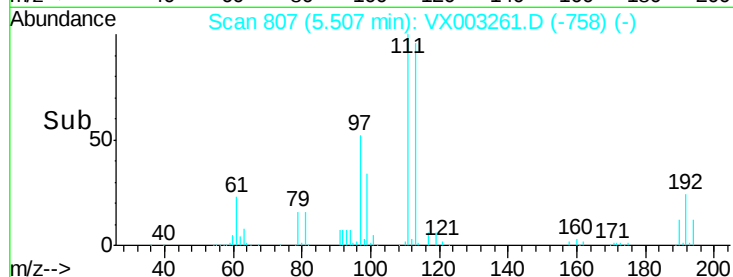
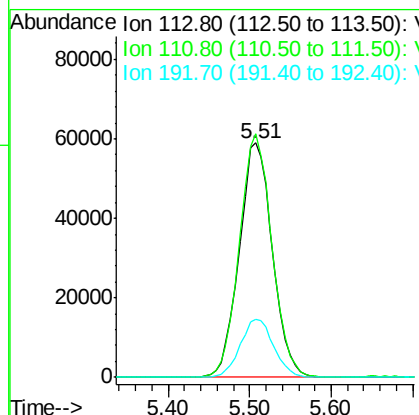
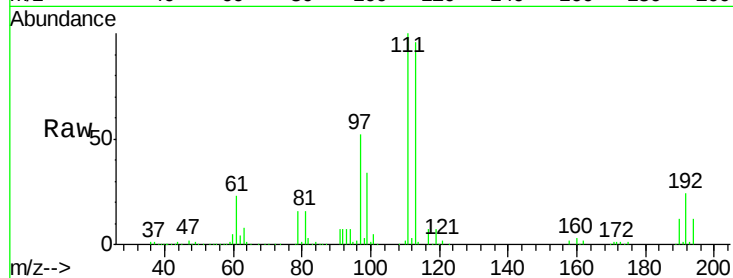
#35
Dibromofluoromethane
Concen: 48.98 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166280		
111	102.0	81.4	122.0	
192	24.9	19.1	28.7	

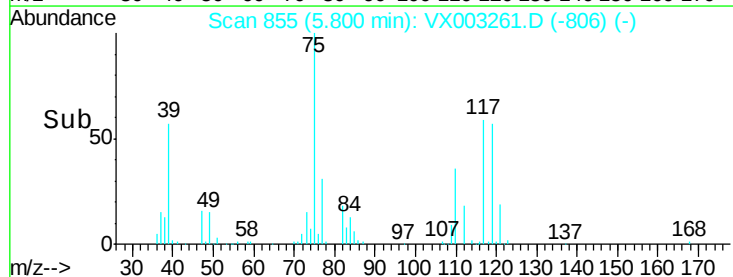
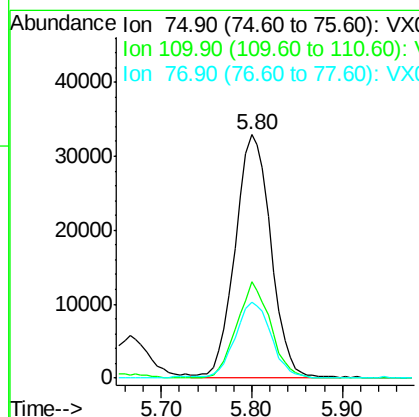
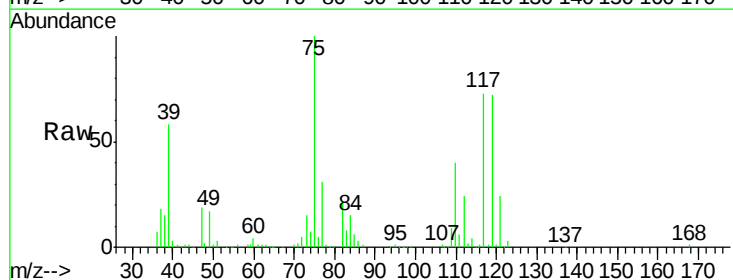
Manual Integrations
APPROVED

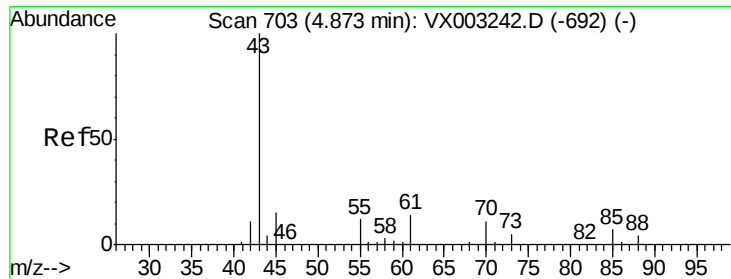
MMDadoda
7/10/2018 3:11:55 PM



#36
1,1-Dichloropropene
Concen: 19.93 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89126		
110	38.0	18.1	54.4	
77	31.6	24.3	36.5	





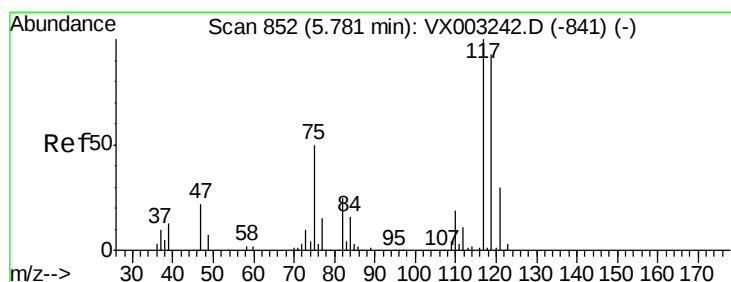
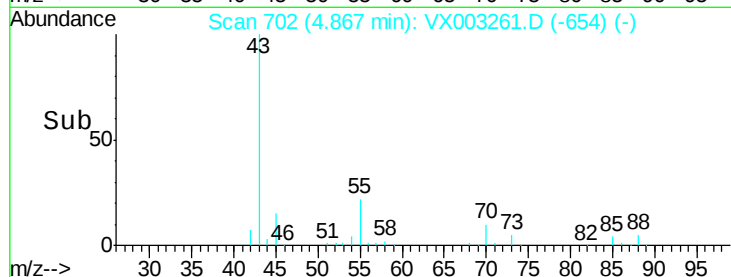
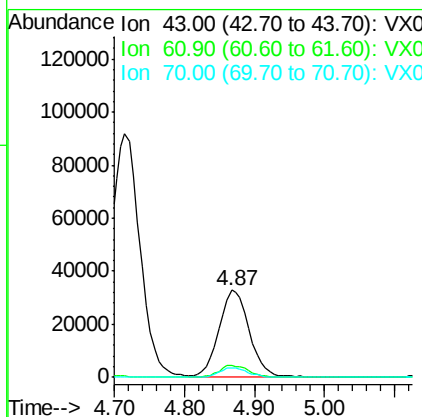
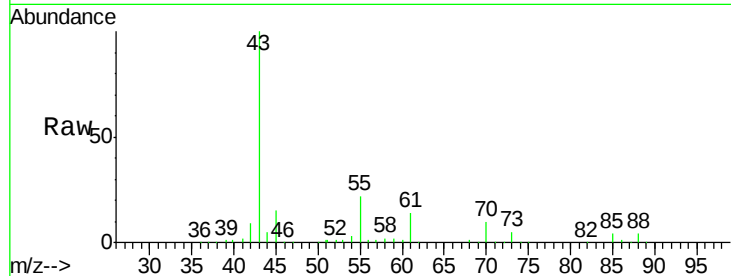
#37
Ethyl Acetate
Concen: 20.15 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	10.5	7.6	11.4

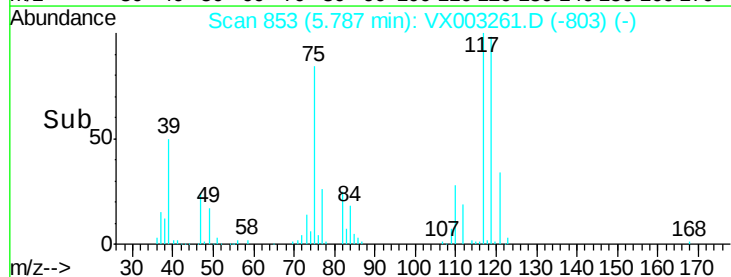
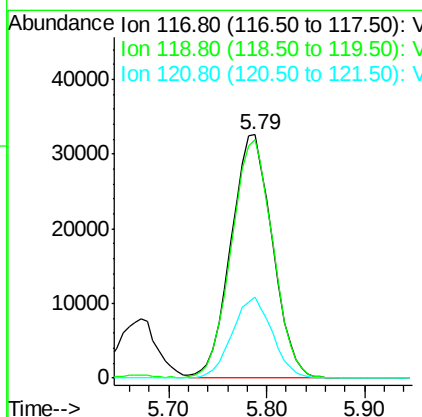
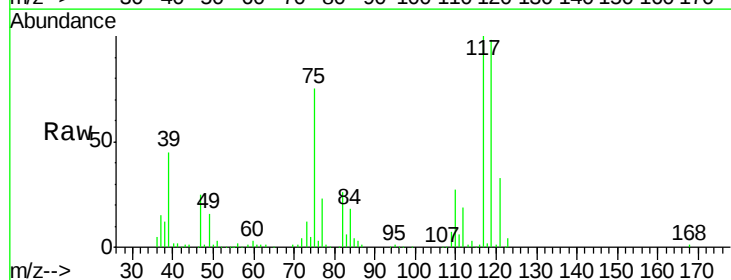
Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:55 PM



#38
Carbon Tetrachloride
Concen: 19.65 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.4	116.0
121	33.4	24.4	36.6





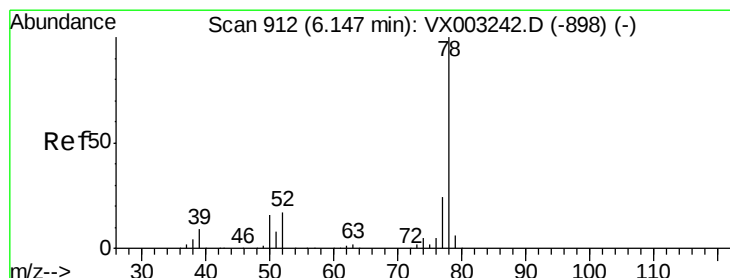
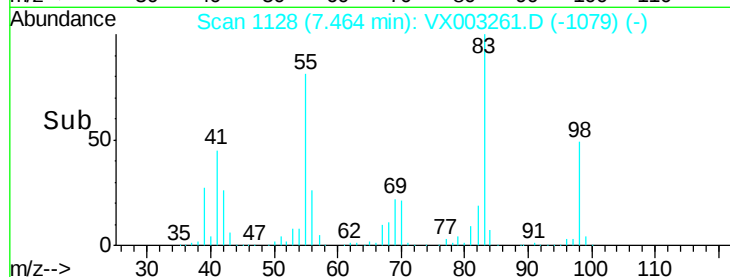
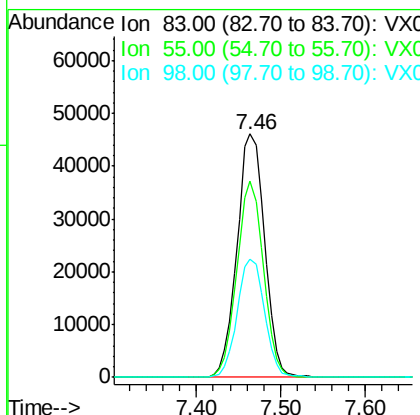
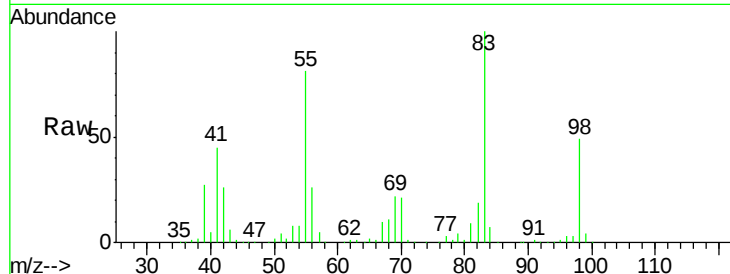
#39
Methylvlcvclohexane
Concen: 19.31 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	83	Resp	101760
Ion Ratio	Lower	Upper	
83	100		
55	80.7	65.4	98.0
98	48.6	37.4	56.0

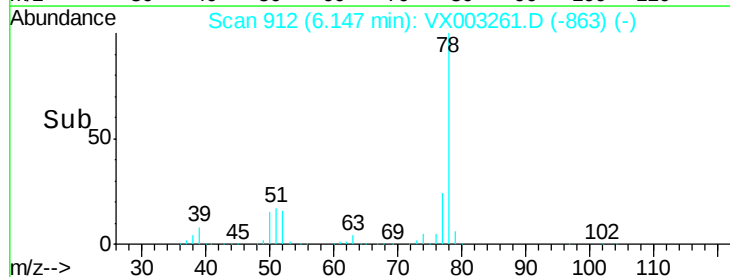
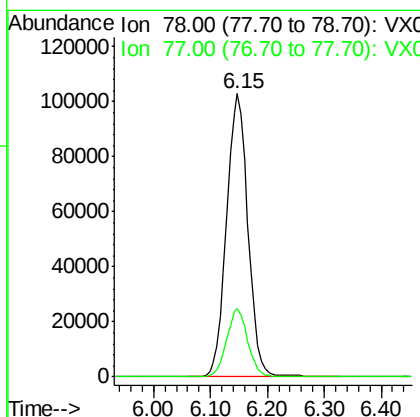
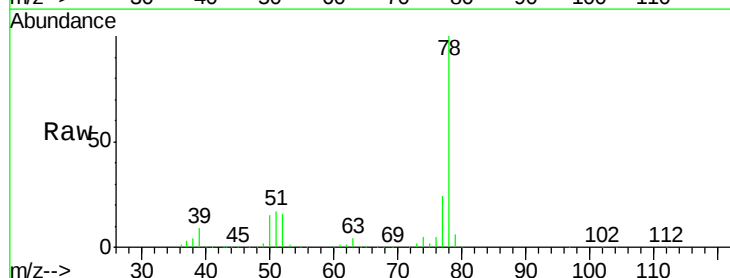
Manual Integrations
APPROVED

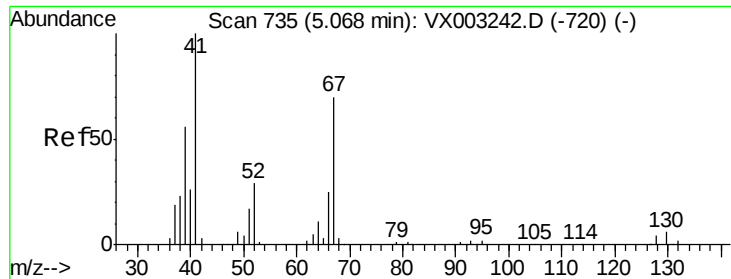
MMDadoda
7/10/2018 3:11:55 PM



#40
Benzene
Concen: 20.35 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	78	Resp	269763
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 20.71 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

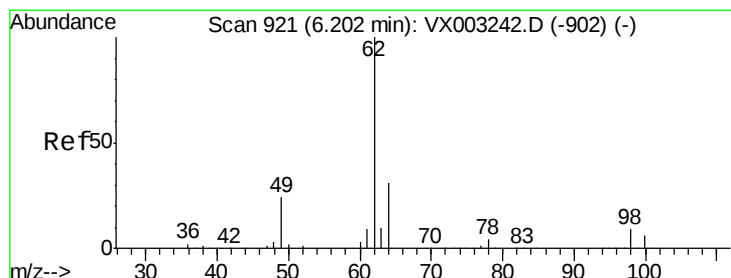
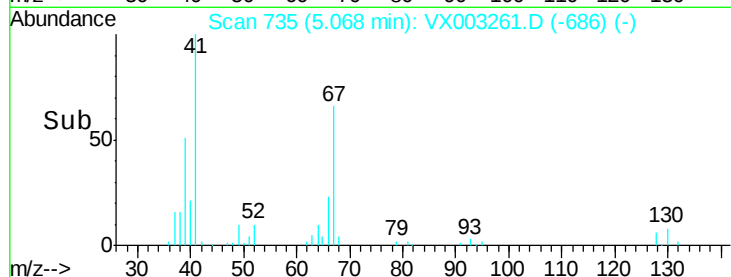
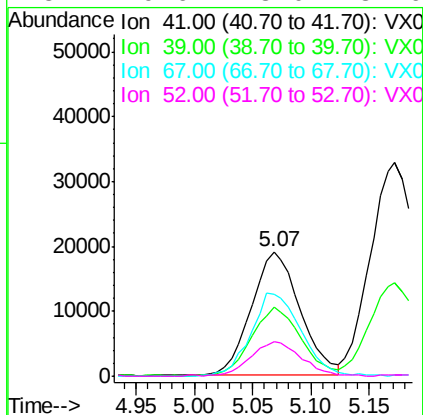
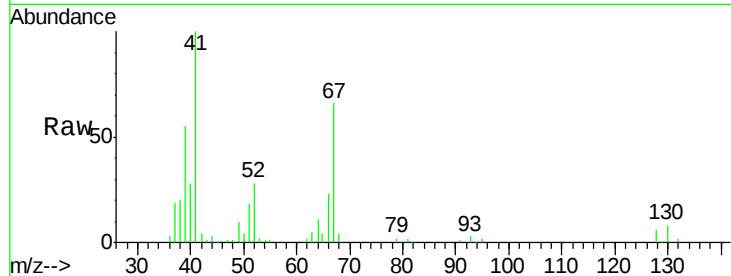
ClientSampleId :

VX0709WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	45.8	68.6	
67	68.5	51.3	76.9	
52	29.6	23.0	34.6	

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:55 PM



#42

1,2-Dichloroethane

Concen: 20.04 ug/l

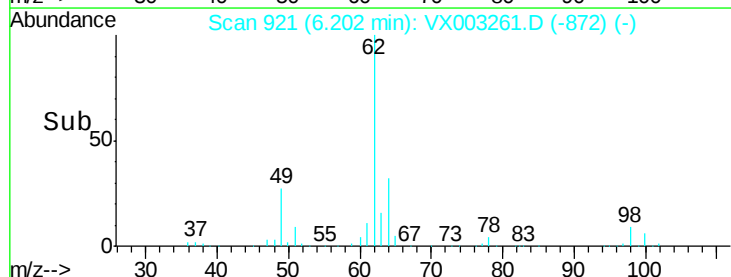
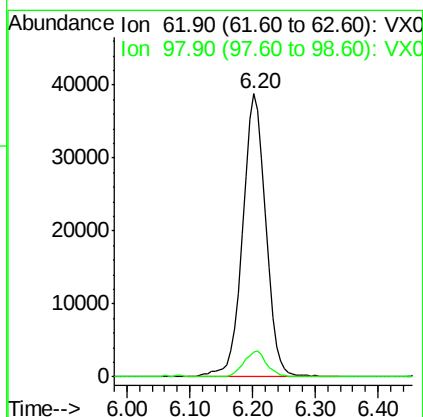
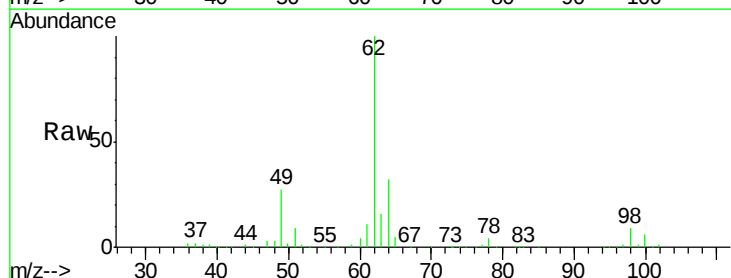
RT: 6.20 min Scan# 921

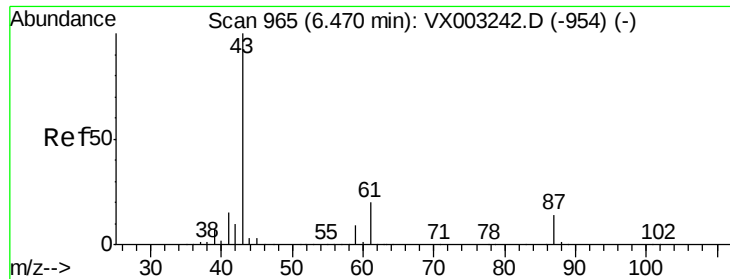
Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	16.6	





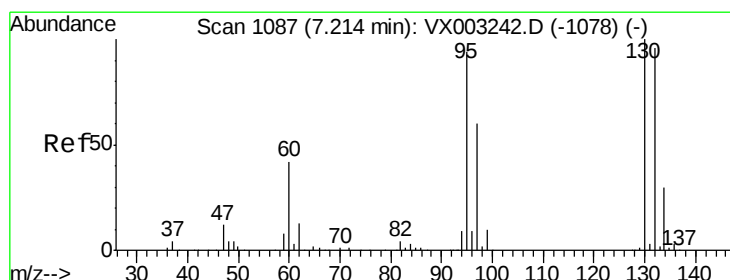
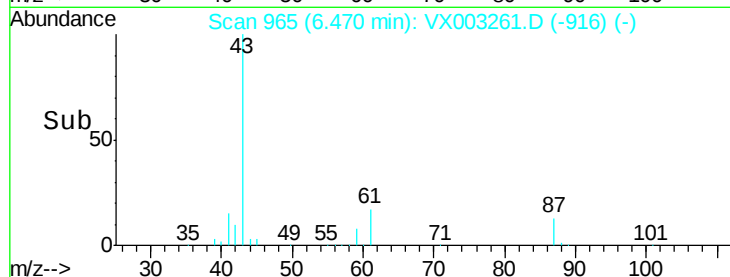
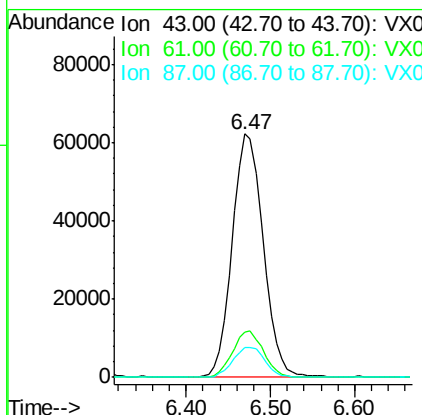
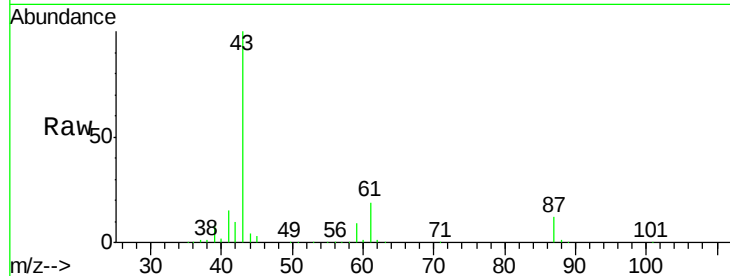
#43
Isopropyl Acetate
Concen: 20.11 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	43	61	87
Resp	154878		
Ratio	100	19.1	12.8
Lower		14.4	9.5
Upper		21.6	14.3

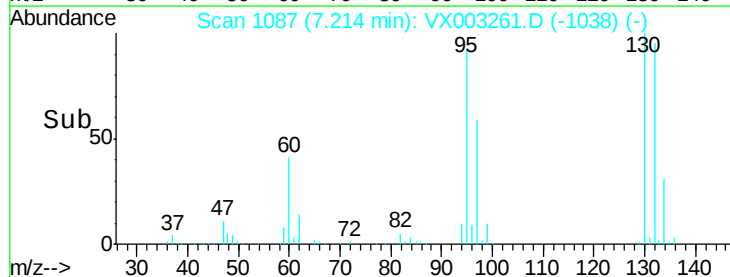
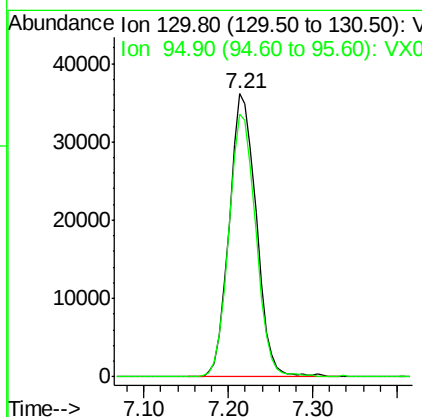
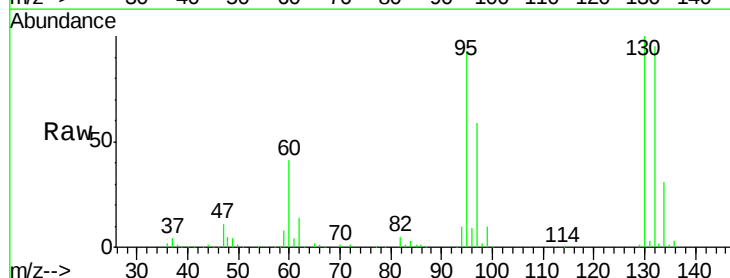
Manual Integrations
APPROVED

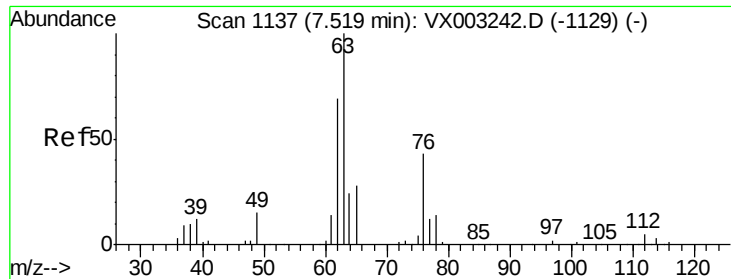
MMDadoda
7/10/2018 3:11:55 PM



#44
Trichloroethene
Concen: 20.16 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	130	95
Resp	79035	
Ratio	100	92.7
Lower		0.0
Upper		185.4





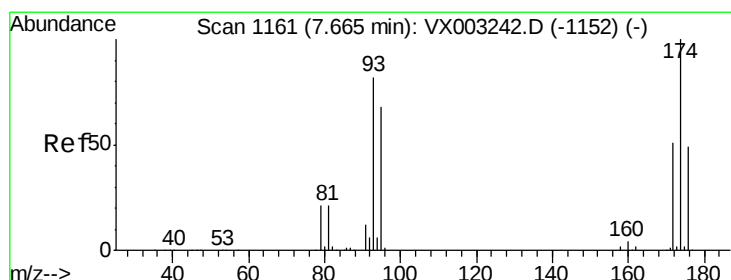
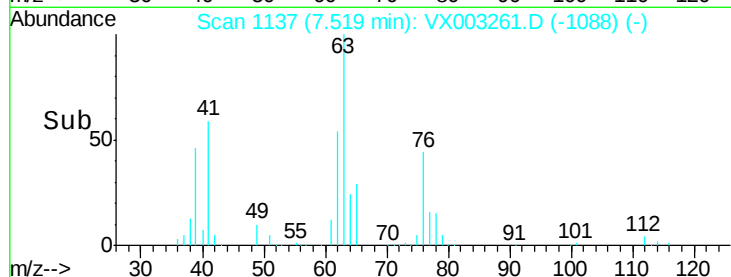
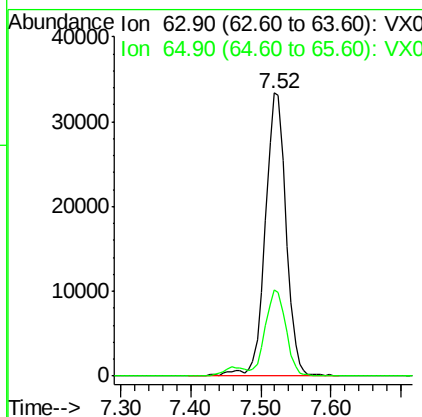
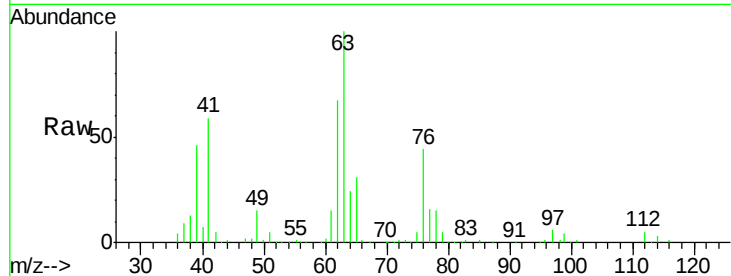
#45
1,2-Dichloropropane
Concen: 20.05 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion: 63 Resp: 69082
Ion Ratio Lower Upper
63 100
65 30.6 24.7 37.1

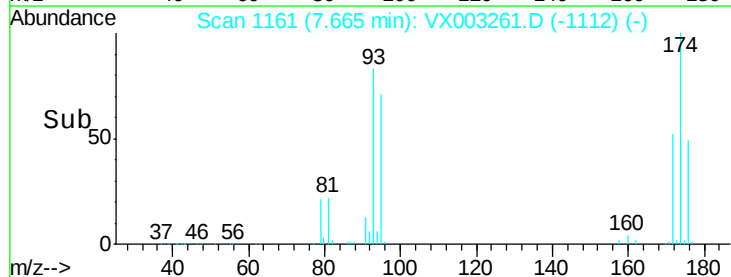
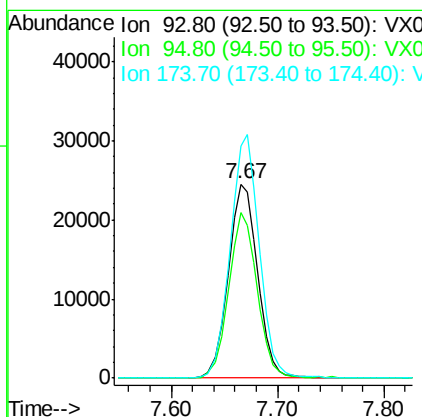
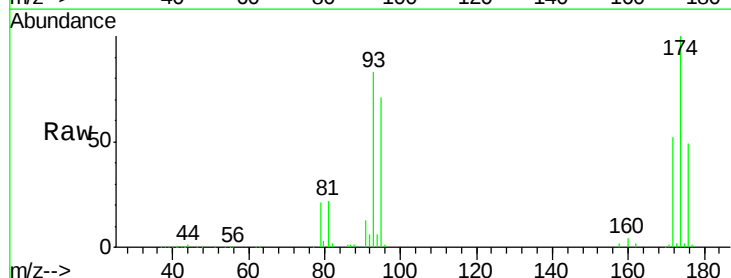
Manual Integrations
APPROVED

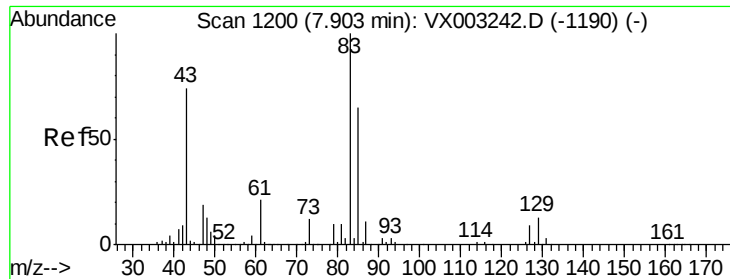
MMDadoda
7/10/2018 3:11:55 PM



#46
Dibromomethane
Concen: 20.19 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion: 93 Resp: 47419
Ion Ratio Lower Upper
93 100
95 82.4 65.9 98.9
174 124.2 92.4 138.6





#47

Bromodichloromethane

Concen: 20.05 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

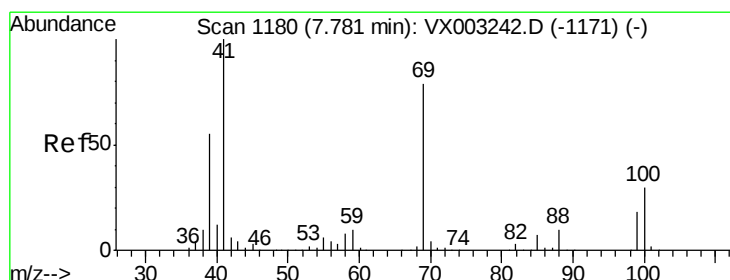
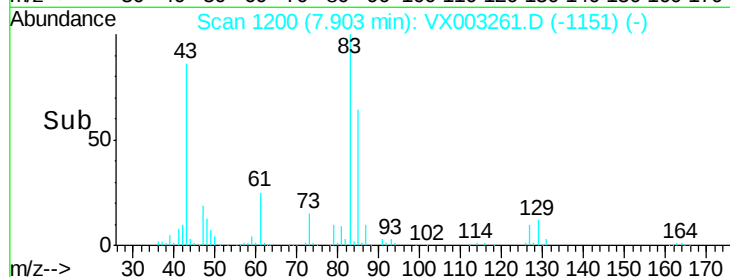
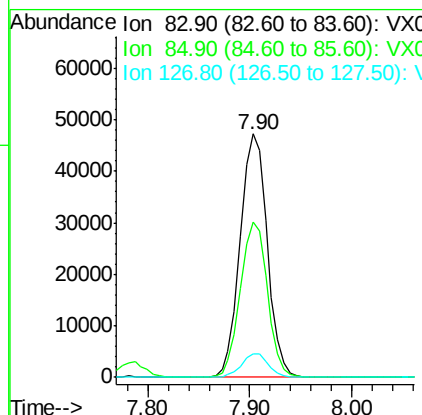
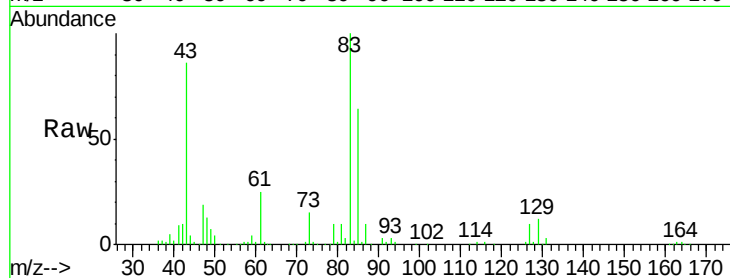
ClientSampleId :

VX0709WBS02

Tot Ion:	83	Resp:	86911
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.3	75.5
127	9.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.70 ug/l

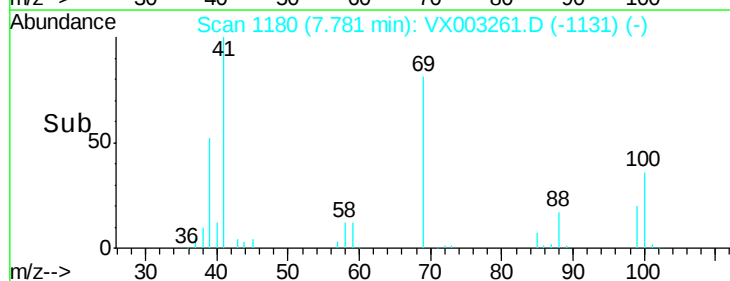
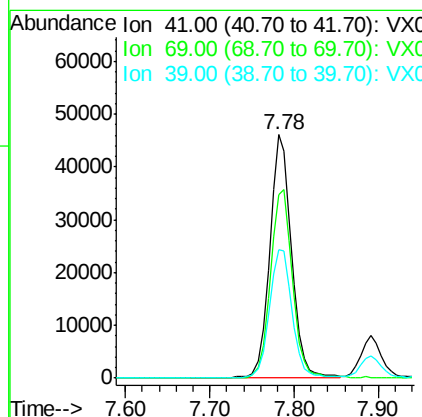
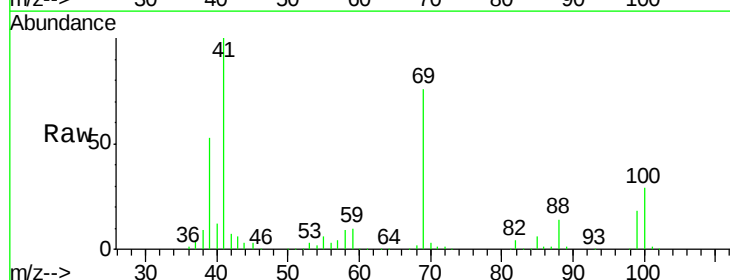
RT: 7.78 min Scan# 1180

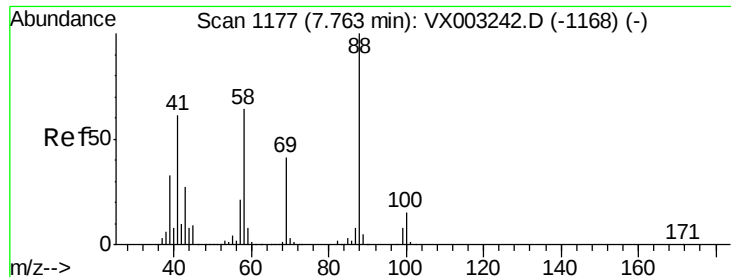
Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Tgt Ion:	41	Resp:	81733
Ion	Ratio	Lower	Upper
41	100		
69	79.2	59.1	88.7
39	54.6	48.9	73.3





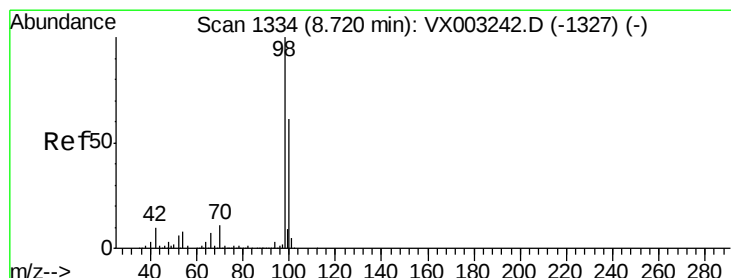
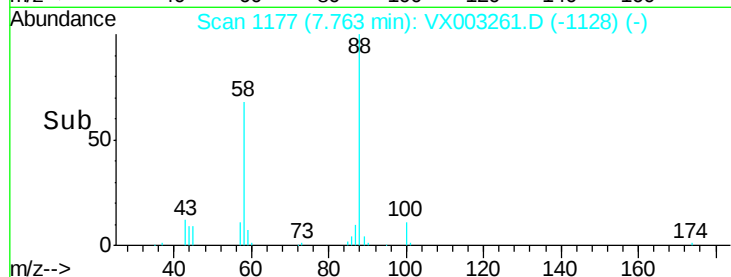
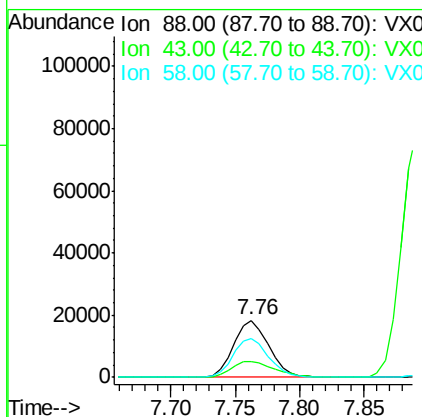
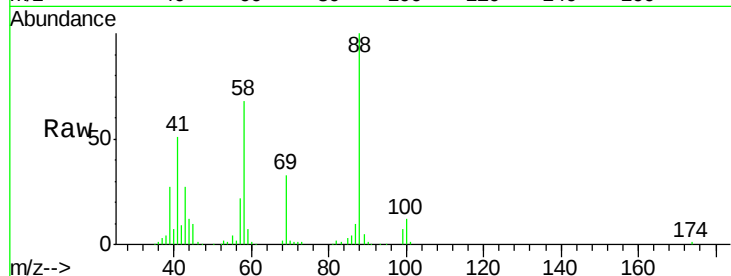
#49
1,4-Dioxane
Concen: 422.16 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	29.8	44.6
58	71.1	57.1	85.7

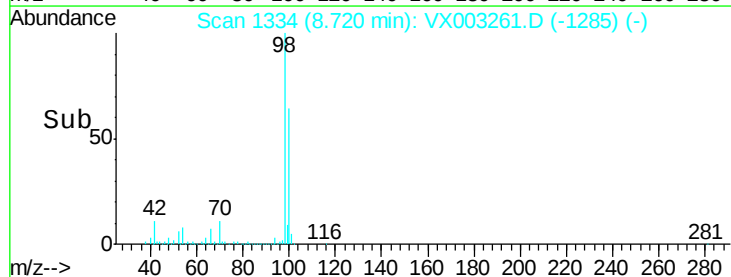
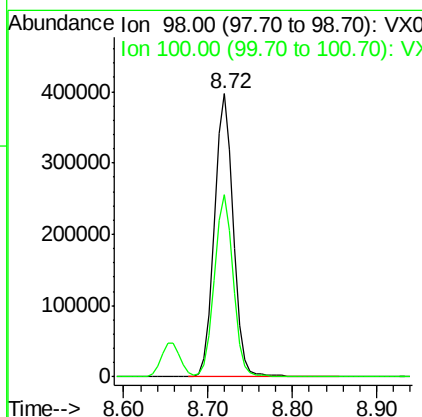
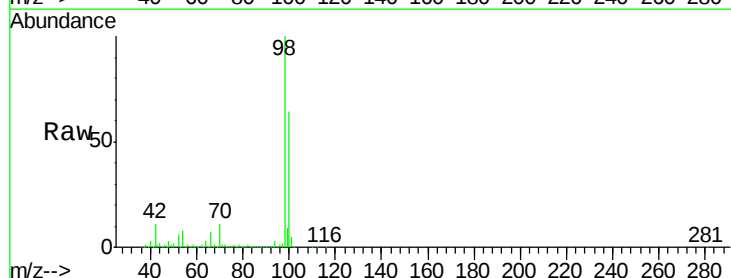
Manual Integrations
APPROVED

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#50
Toluene-d8
Concen: 51.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 108.50 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 43 Resp: 520120

Ion Ratio Lower Upper

43 100

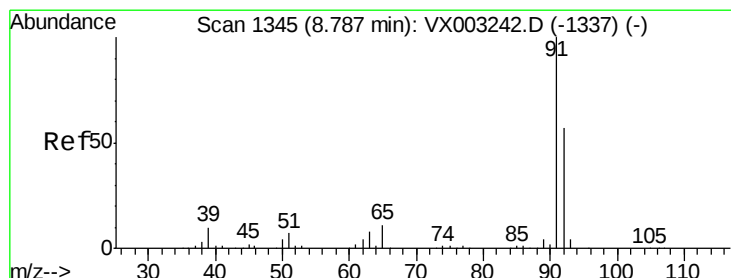
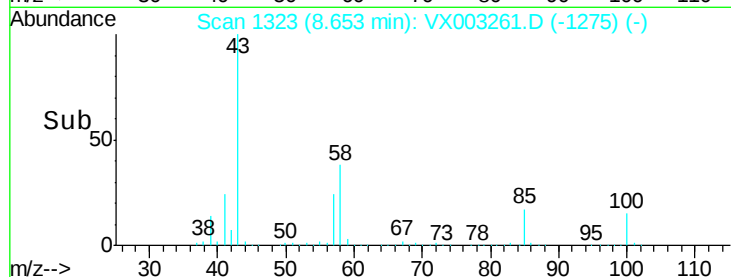
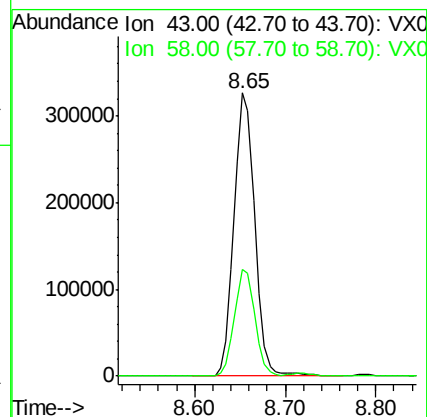
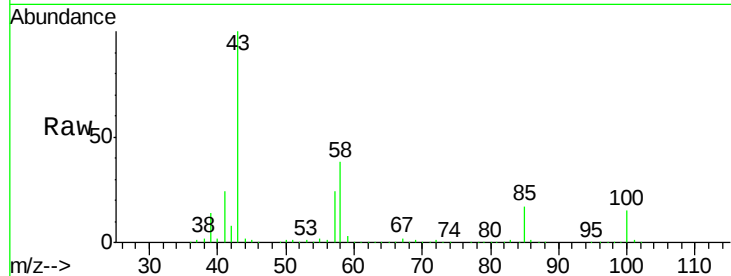
58 37.2 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 20.81 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003261.D

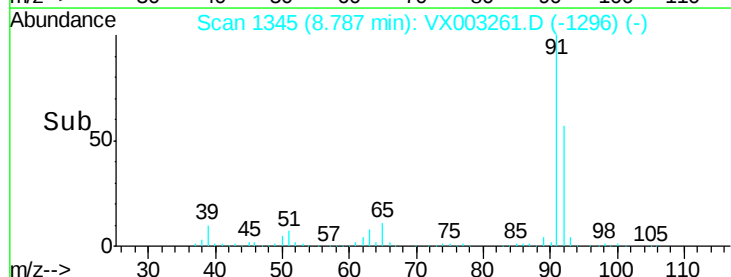
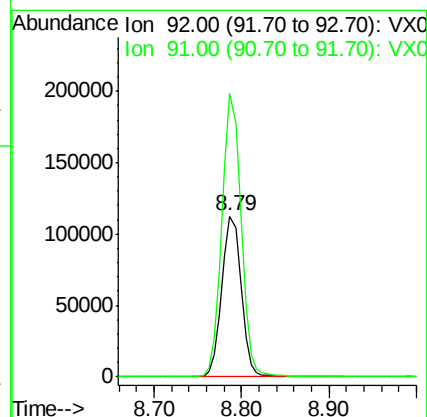
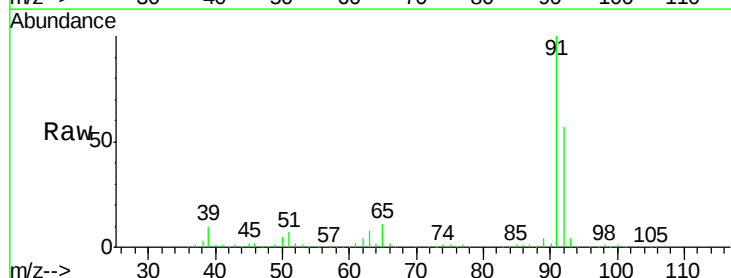
Acq: 09 Jul 2018 23:10

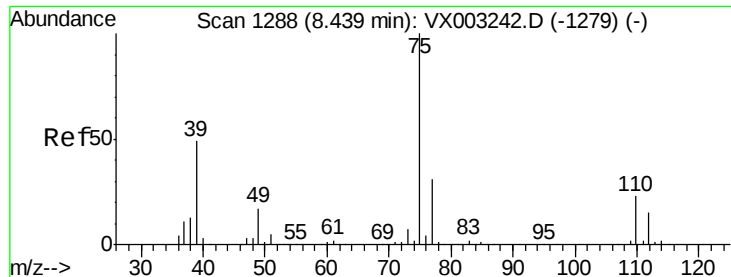
Tgt Ion: 92 Resp: 174358

Ion Ratio Lower Upper

92 100

91 173.8 140.4 210.6





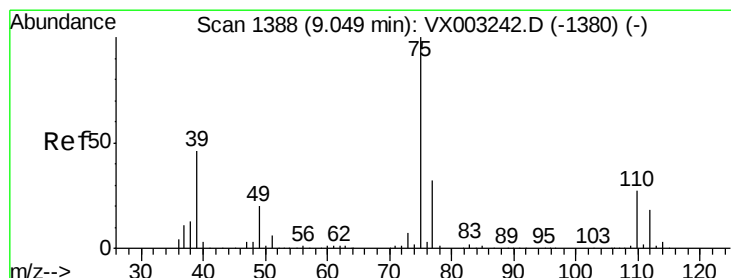
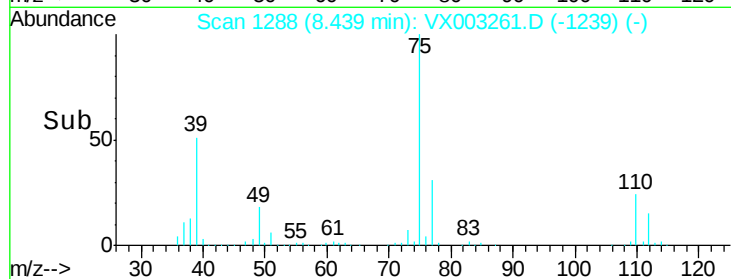
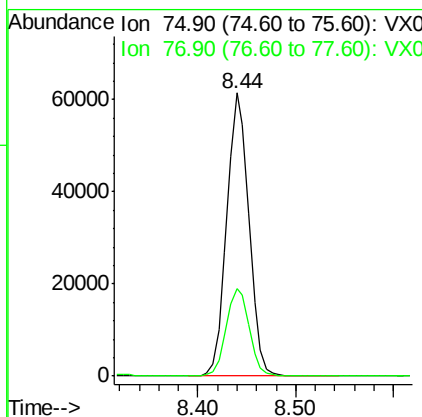
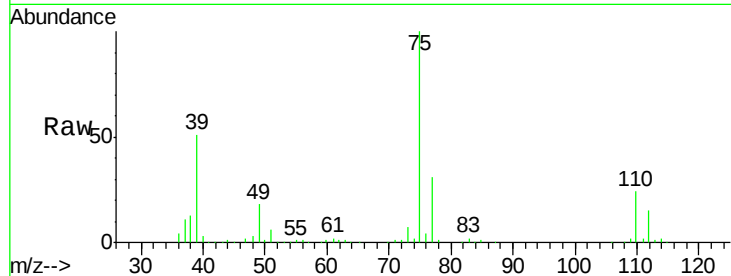
#53
t-1,3-Dichloropropene
Concen: 19.01 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion: 75 Resp: 96929
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

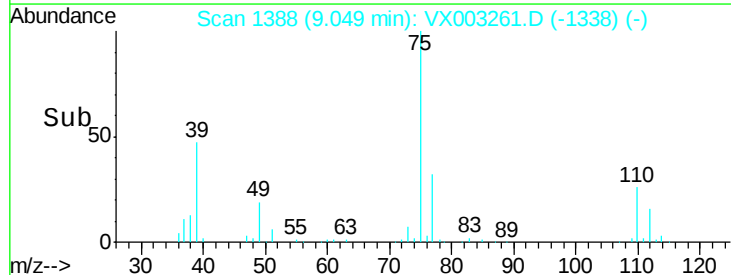
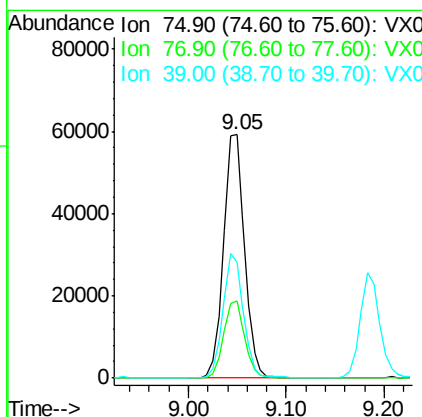
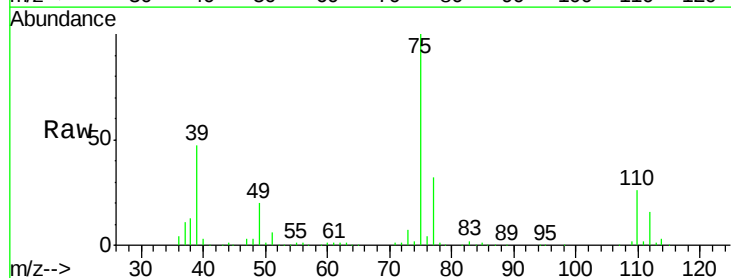
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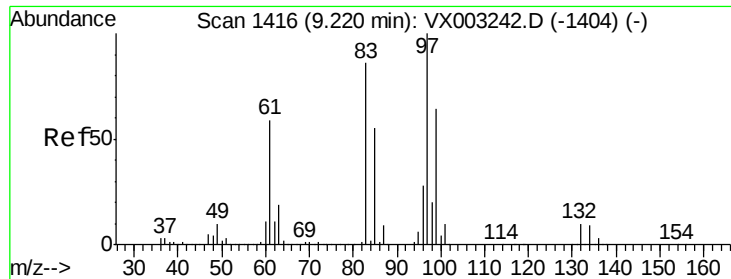
MMDadoda
7/10/2018 3:11:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.04 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion: 75 Resp: 88380
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 47.1 42.4 63.6





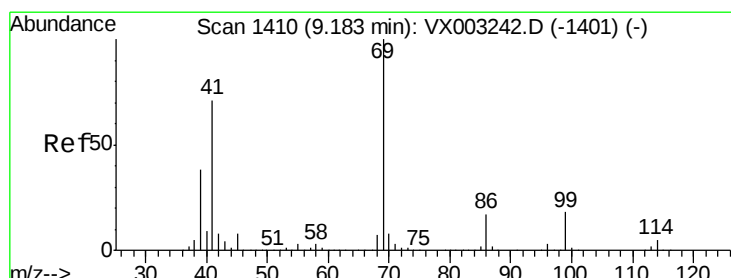
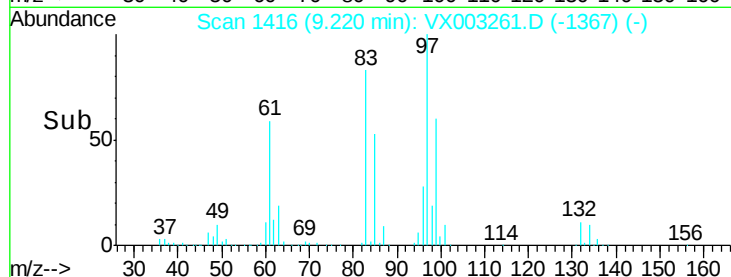
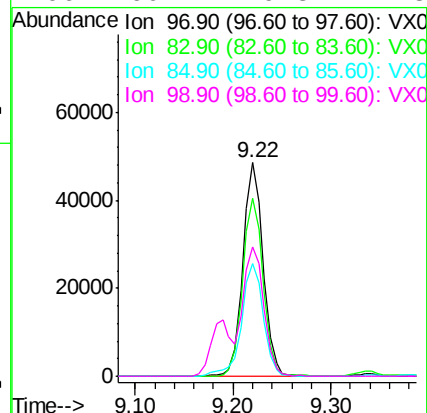
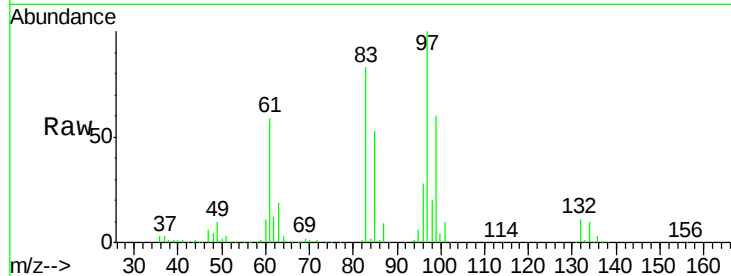
#55
 1,1,2-Trichloroethane
 Concen: 20.06 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Tot Ion:	97	Resp:	69725
Ion	Ratio	Lower	Upper
97	100		
83	83.4	70.2	105.2
85	52.9	44.9	67.3
99	60.4	49.8	74.8

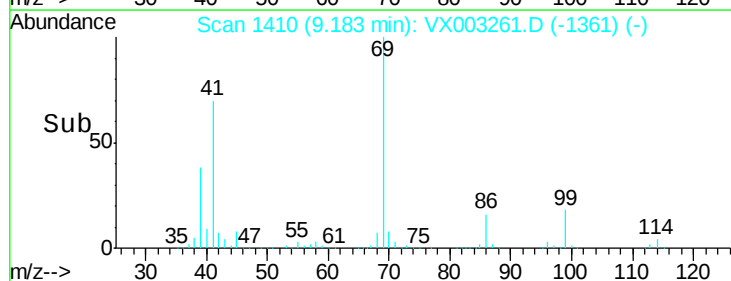
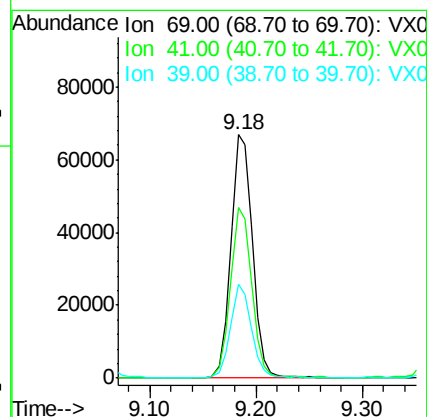
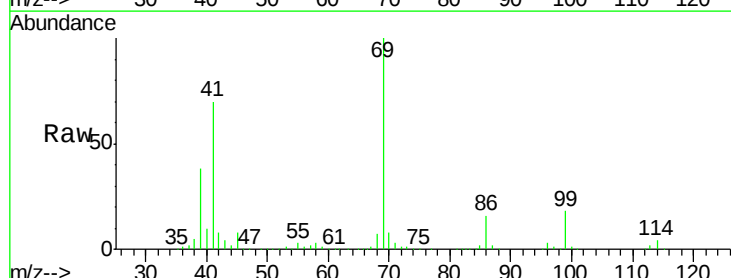
Manual Integrations
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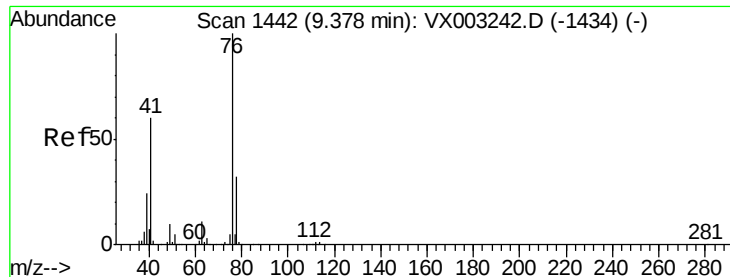
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 7/10/2018 3:11:55 PM



#56
 Ethyl methacrylate
 Concen: 20.12 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion:	69	Resp:	95782
Ion	Ratio	Lower	Upper
69	100		
41	68.7	60.3	90.5
39	37.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.51 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 76 Resp: 114864

Ion Ratio Lower Upper

76 100

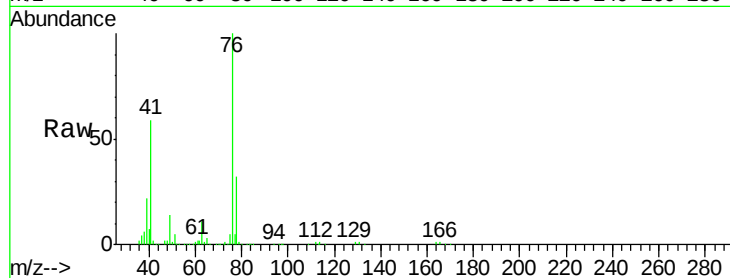
78 32.3 25.8 38.6

Manual Integrations

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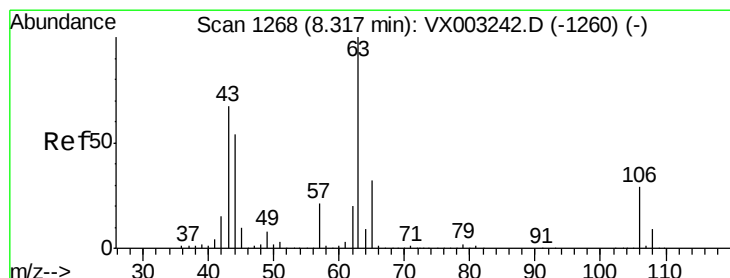
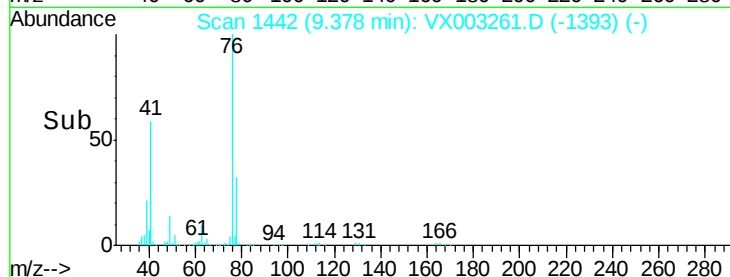
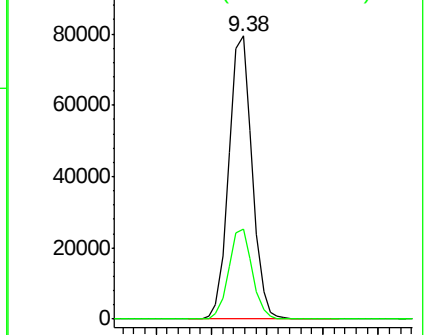
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 108.55 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003261.D

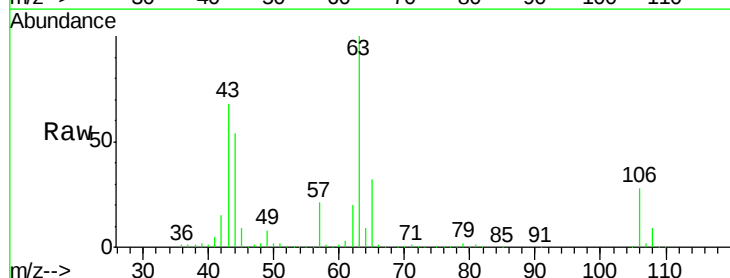
Acq: 09 Jul 2018 23:10

Tgt Ion: 63 Resp: 249302

Ion Ratio Lower Upper

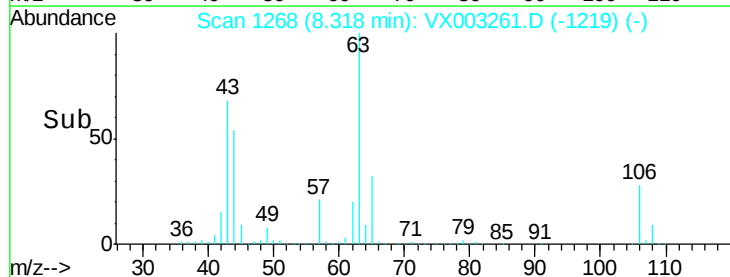
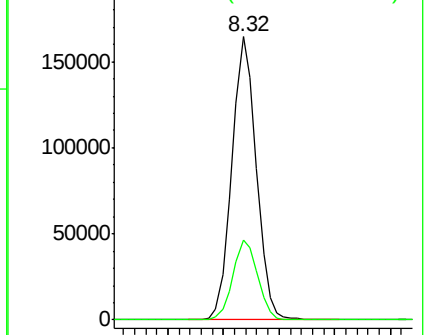
63 100

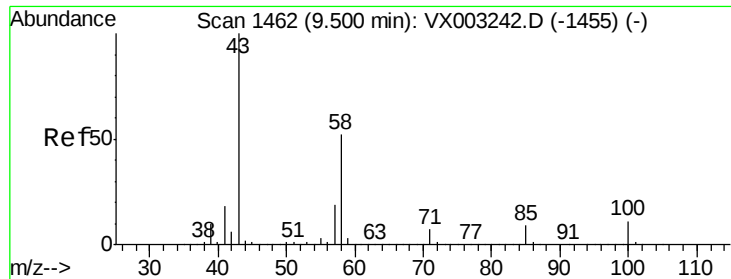
106 28.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





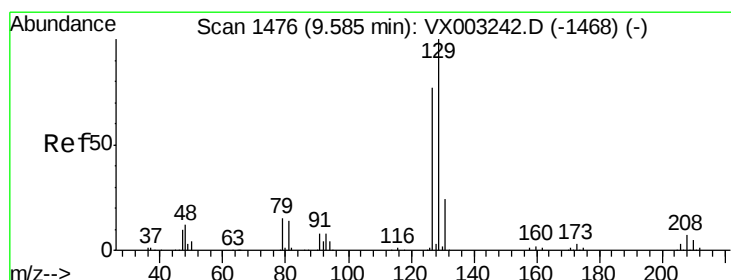
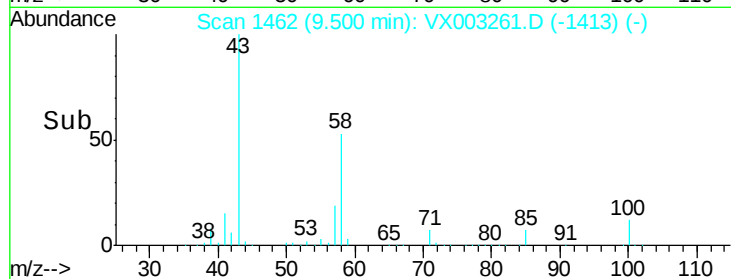
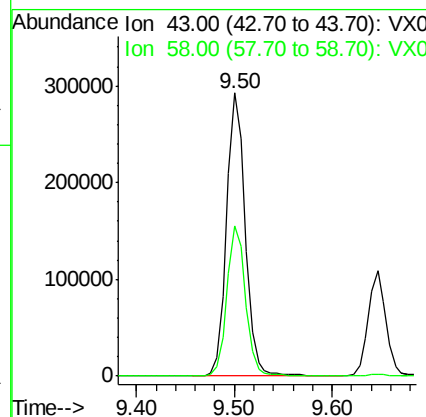
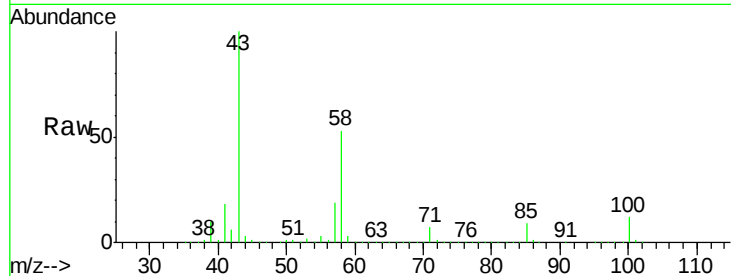
#59
2-Hexanone
Concen: 107.04 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	43	Resp	389734
Ion Ratio	100	Lower	Upper
58	53.0	24.6	73.6

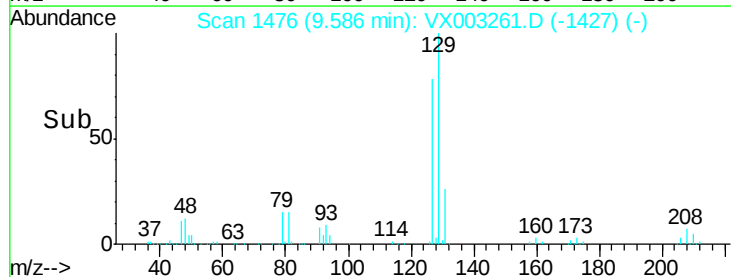
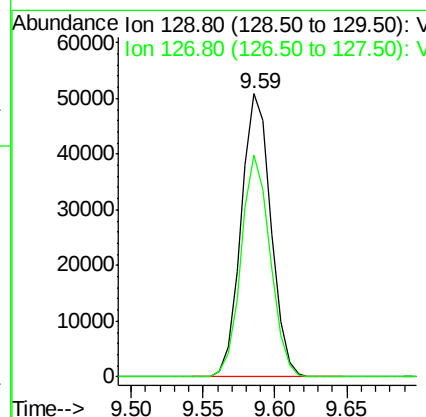
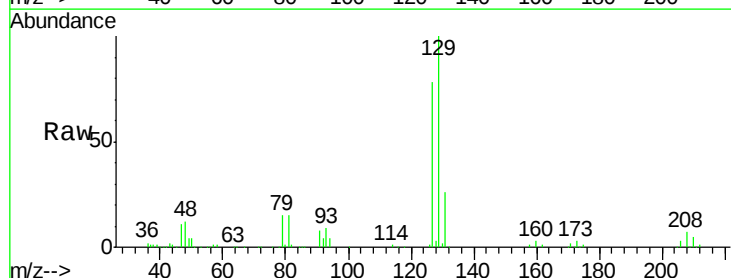
Manual Integrations
APPROVED

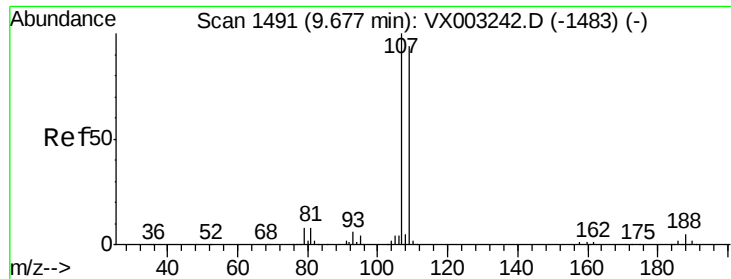
MMDadoda
7/10/2018 3:11:55 PM



#60
Dibromochloromethane
Concen: 20.09 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	129	Resp	72929
Ion Ratio	100	Lower	Upper
127	76.4	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.79 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion:107 Resp: 75752

Ion Ratio Lower Upper

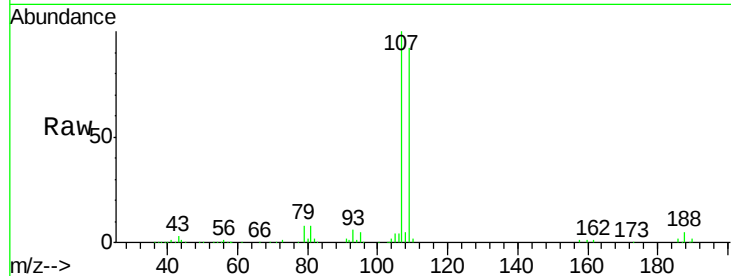
107 100

109 92.8 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

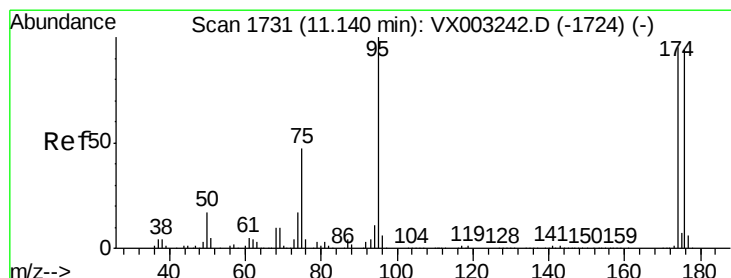
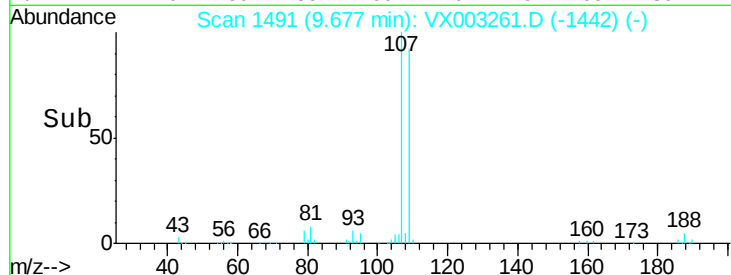
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

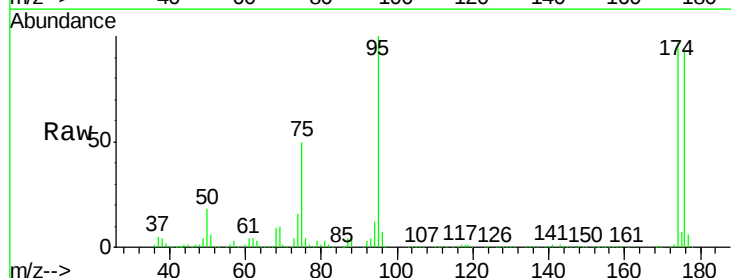
Tgt Ion: 95 Resp: 222852

Ion Ratio Lower Upper

95 100

174 101.1 0.0 187.4

176 97.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

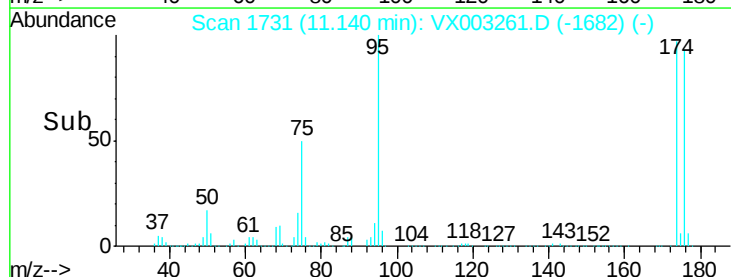
150000

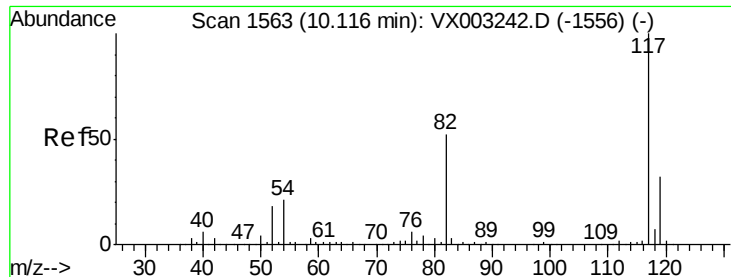
100000

50000

0

Time-->





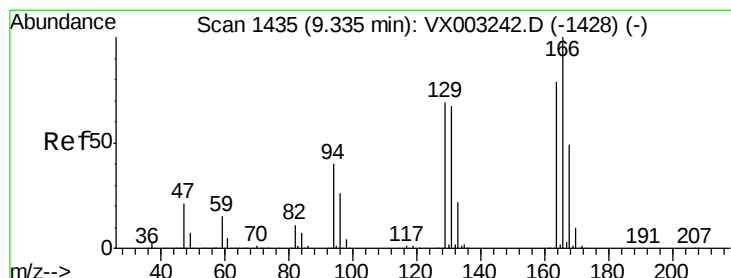
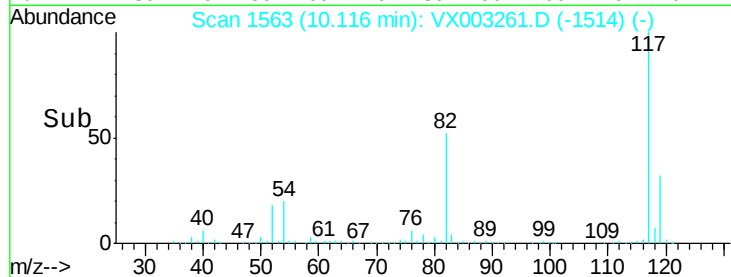
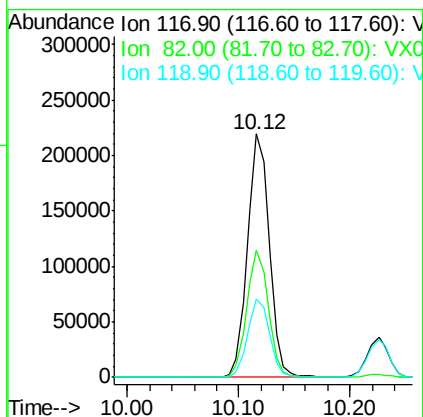
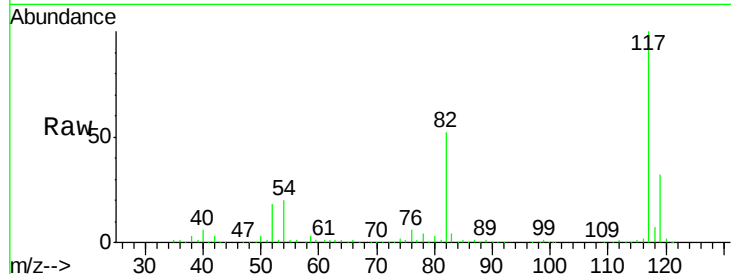
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299157		
82	52.0	45.0	67.4	
119	32.3	25.8	38.6	

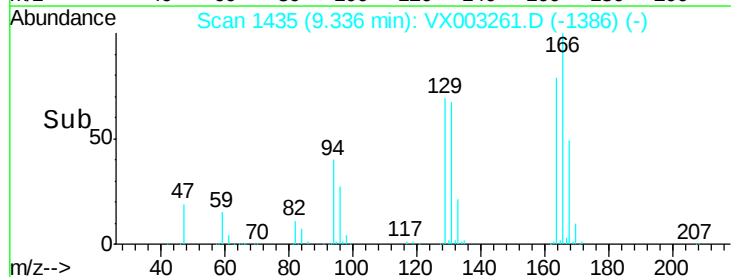
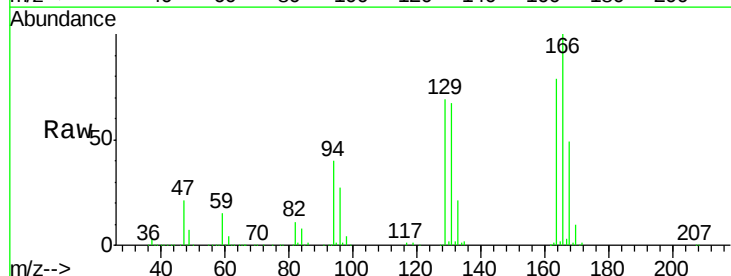
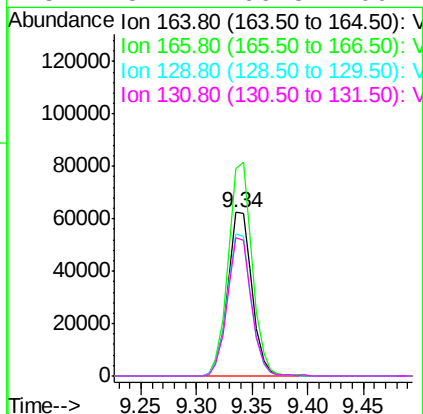
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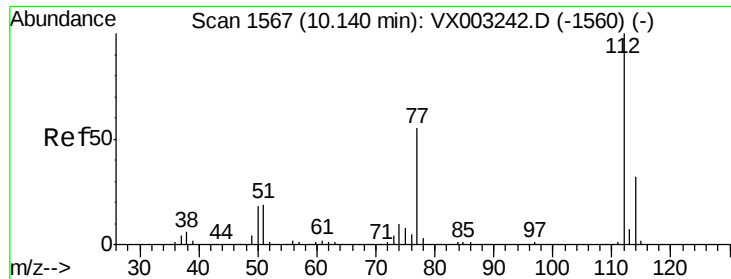
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#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93545		
166	126.7	102.9	154.3	
129	86.9	68.6	102.8	
131	84.4	66.8	100.2	





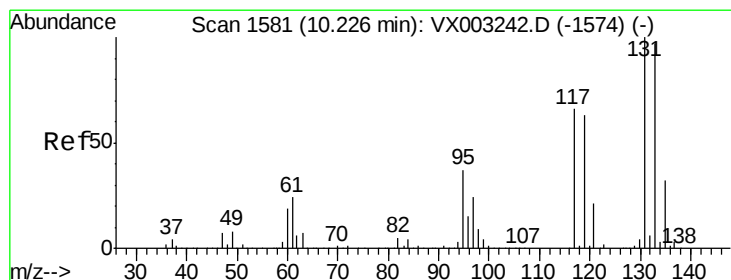
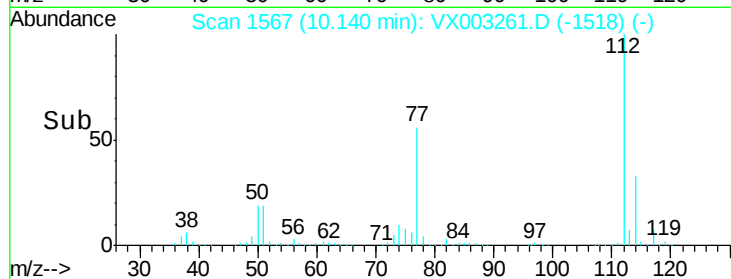
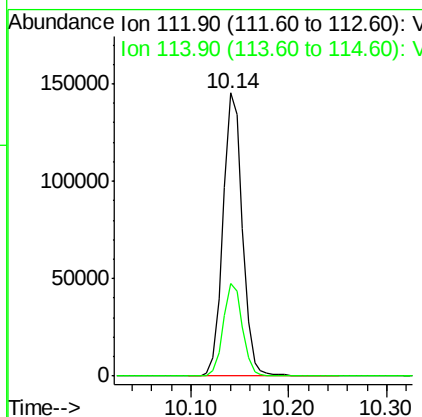
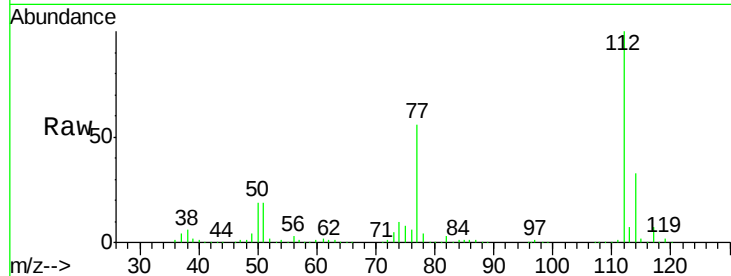
#65
Chlorobenzene
Concen: 19.66 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion:112 Resp: 199810
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9

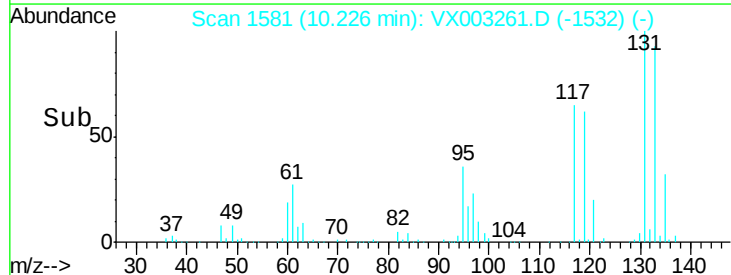
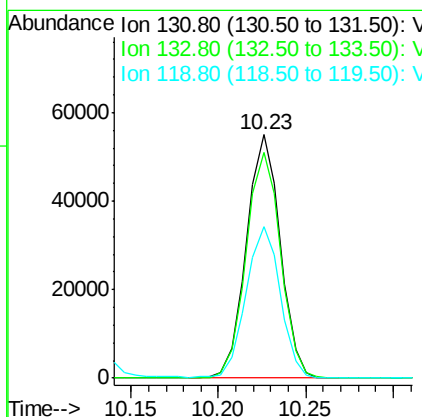
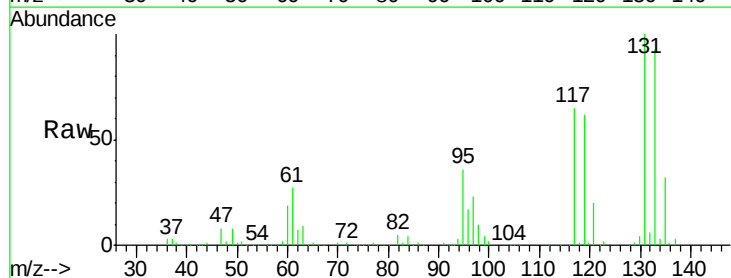
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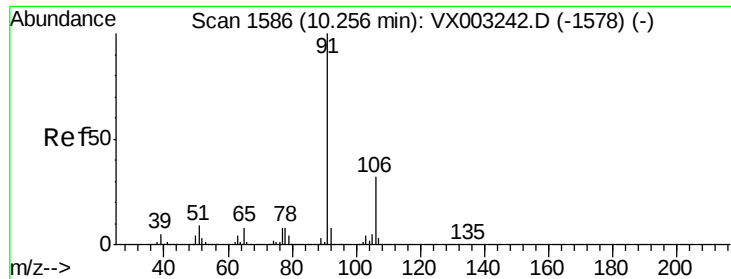
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.11 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion:131 Resp: 73753
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.6
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 19.97 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 91 Resp: 328358

Ion Ratio Lower Upper

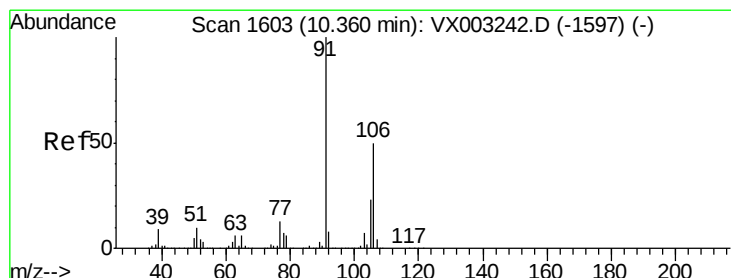
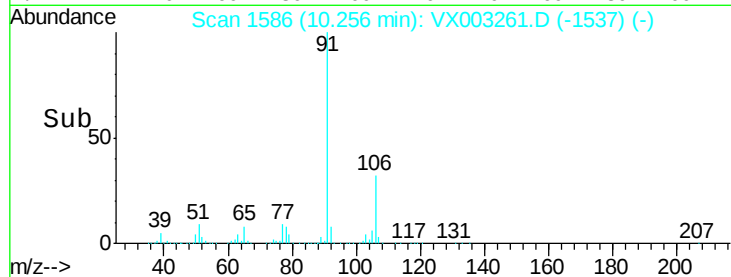
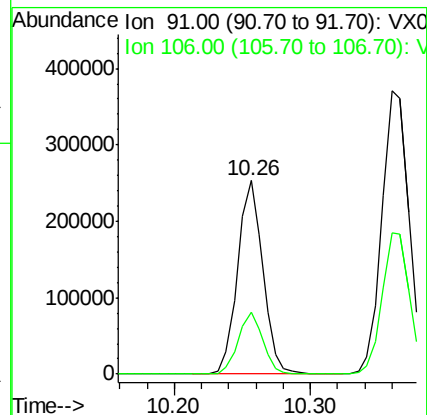
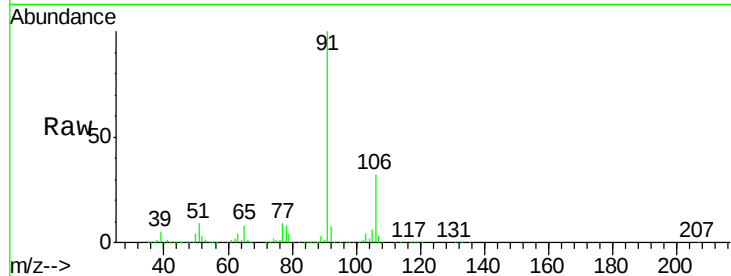
91 100

106 31.9 25.5 38.3

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#68

m/p-Xylenes

Concen: 40.75 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003261.D

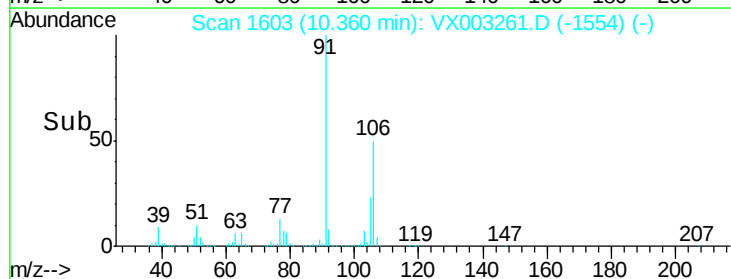
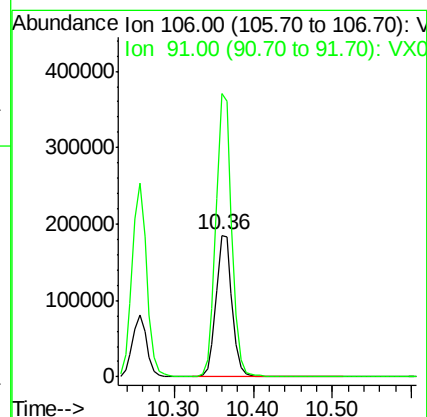
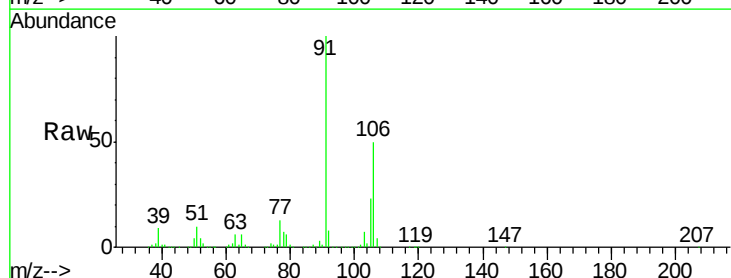
Acq: 09 Jul 2018 23:10

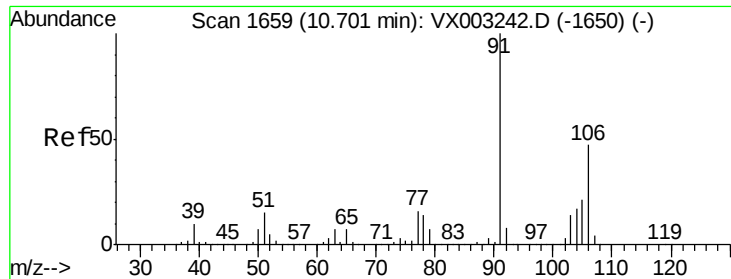
Tgt Ion: 106 Resp: 260594

Ion Ratio Lower Upper

106 100

91 198.7 163.4 245.2





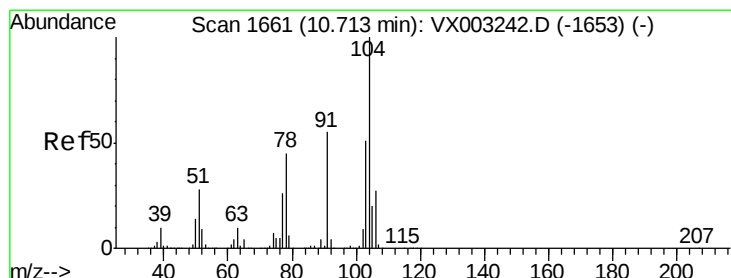
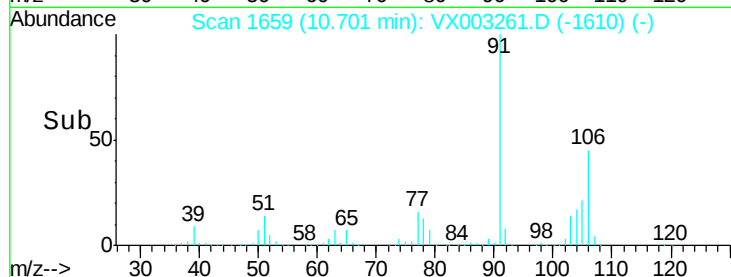
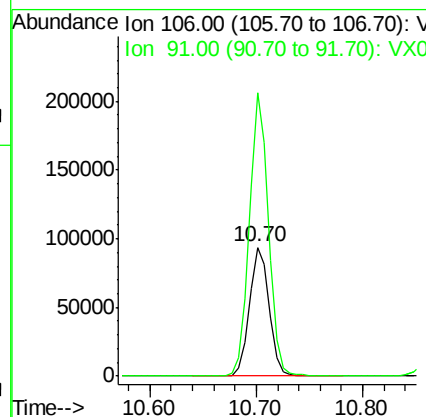
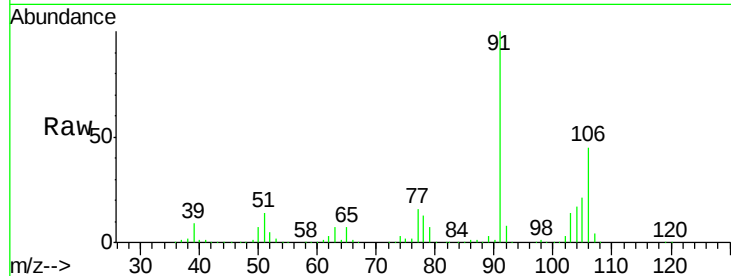
#69
o-Xylene
Concen: 19.64 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.5	108.2	324.6	

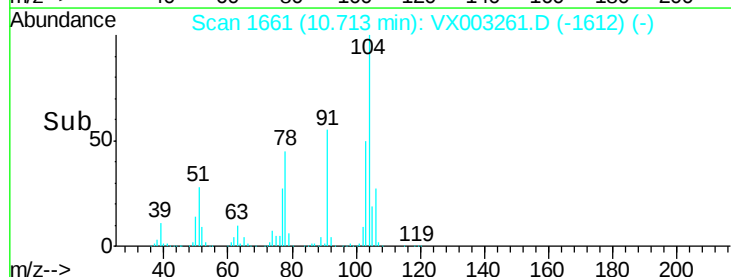
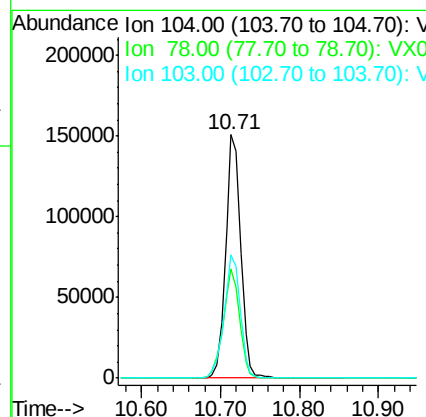
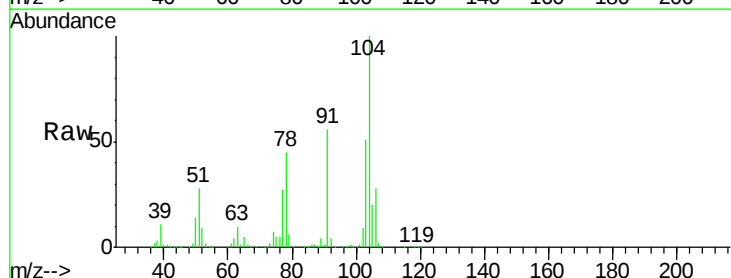
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#70
Styrene
Concen: 20.06 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	41.0	61.6	
103	55.0	44.2	66.4	





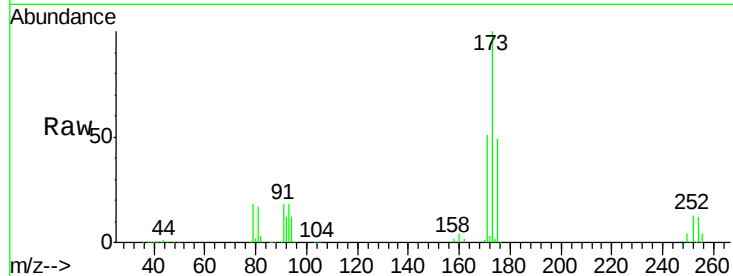
#71
Bromoform
Concen: 18.67 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

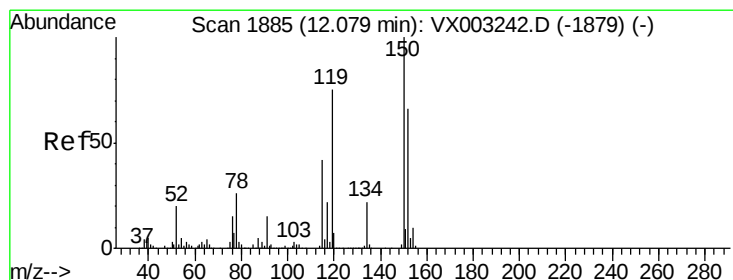
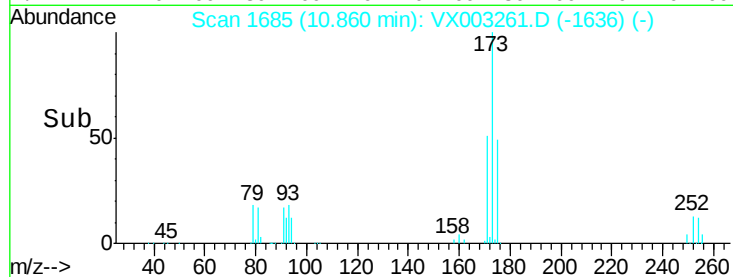
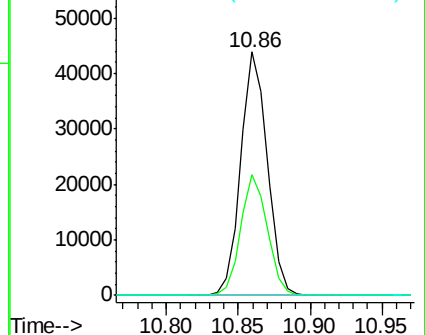
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.7	74.1
254	0.2	0.2	0.2

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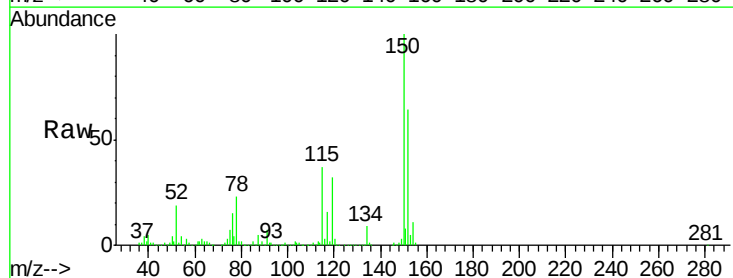


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

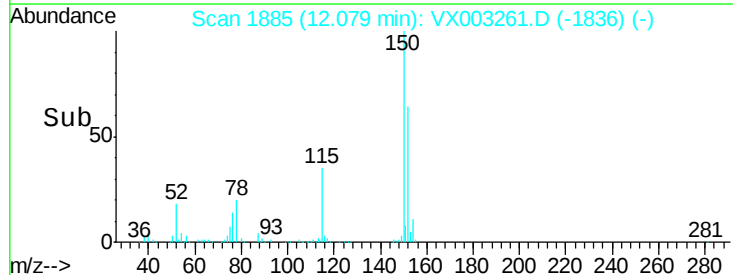
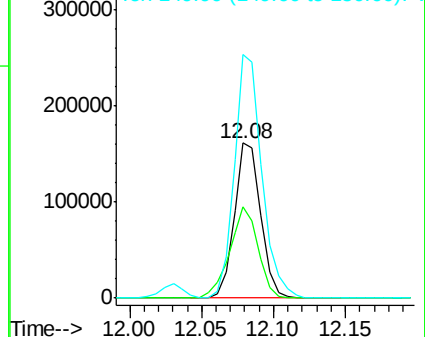


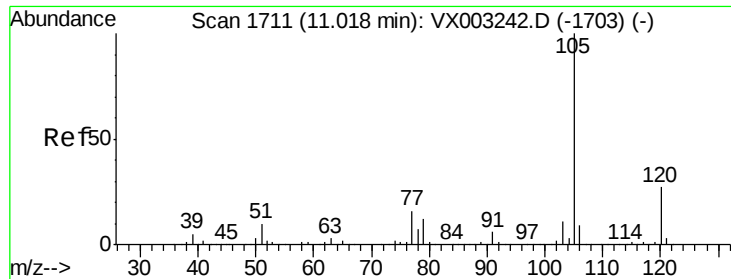
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	40.1	120.2
150	164.7	0.0	347.2



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





#73

Isopropylbenzene

Concen: 20.73 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 105 Resp: 336559

Ion Ratio Lower Upper

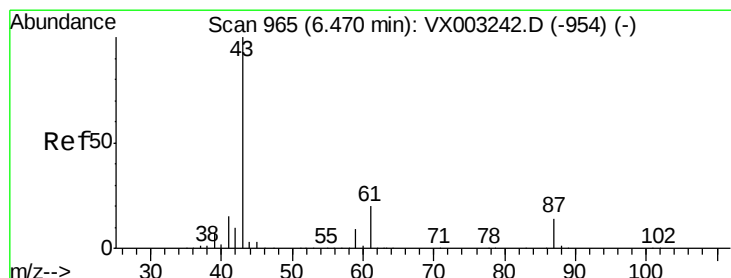
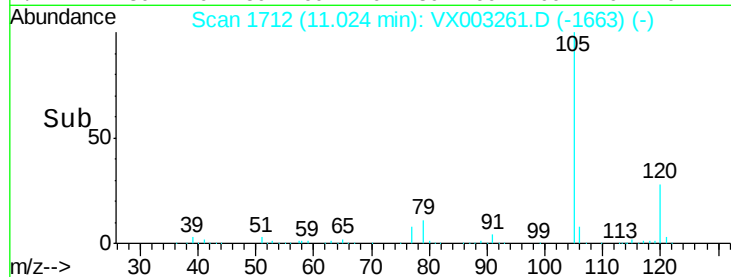
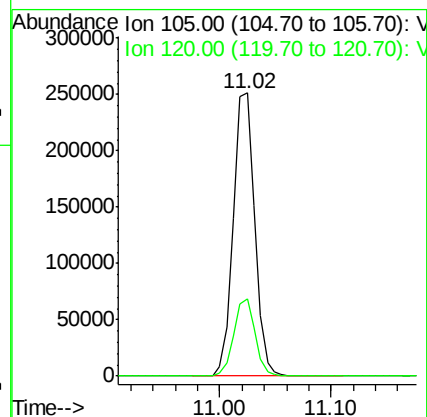
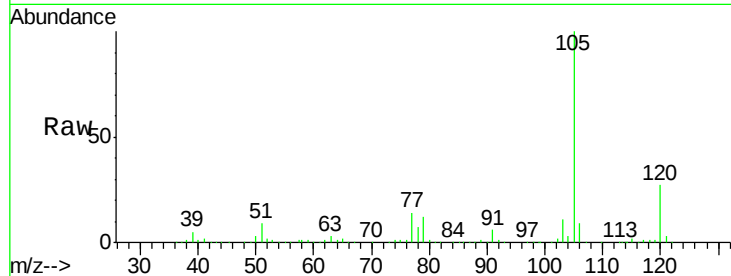
105 100

120 27.0 13.5 40.4

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#74

N-ethyl acetate

Concen: 20.00 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Tgt Ion: 43 Resp: 154878

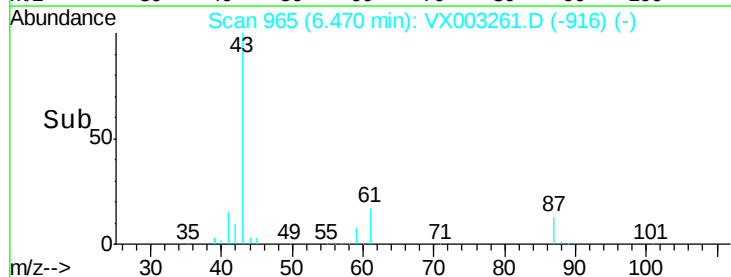
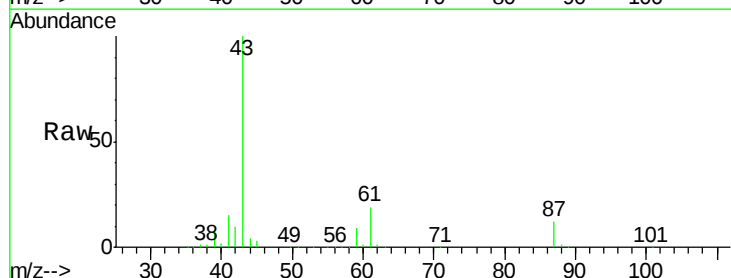
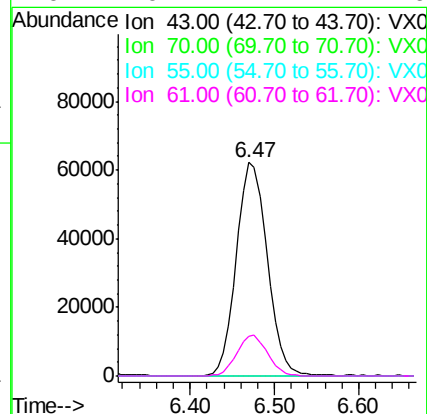
Ion Ratio Lower Upper

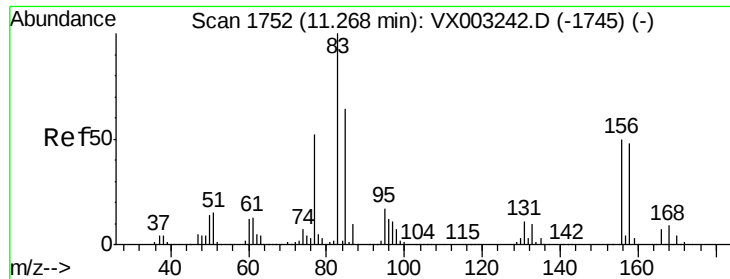
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.60 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

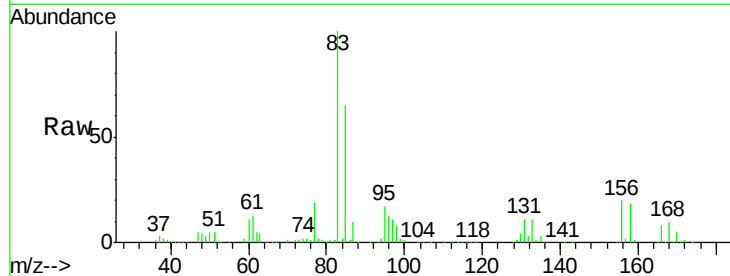
ClientSampled :

VX0709WBS02

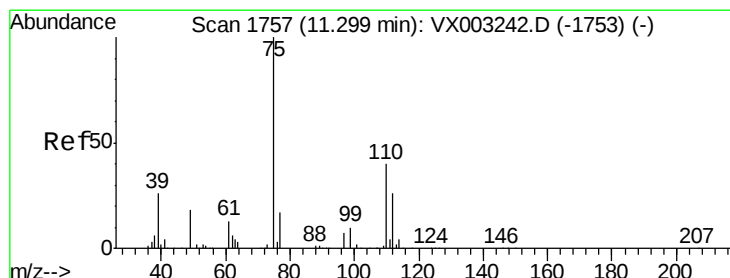
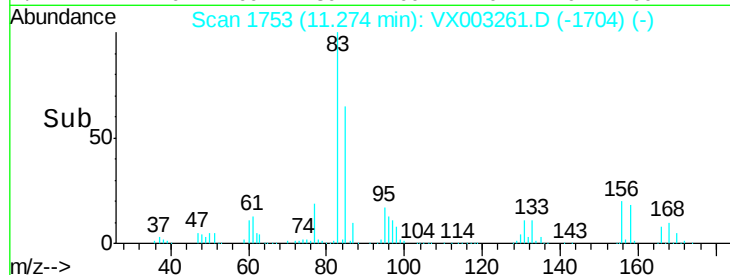
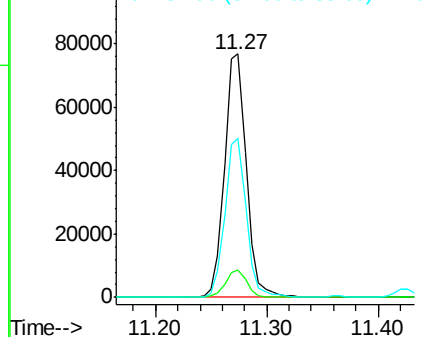
Tot Ion:	83	Resp:	103738
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.1	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 22.55 ug/l m

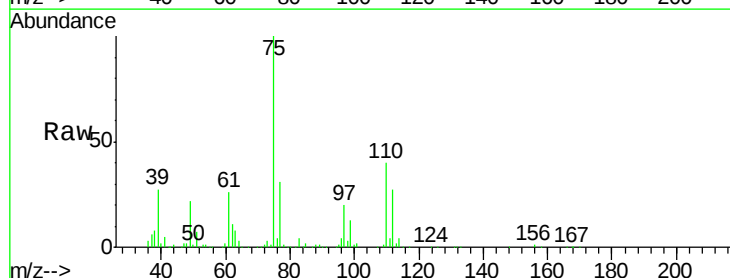
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

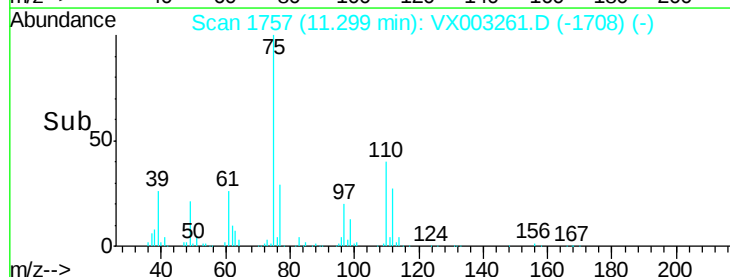
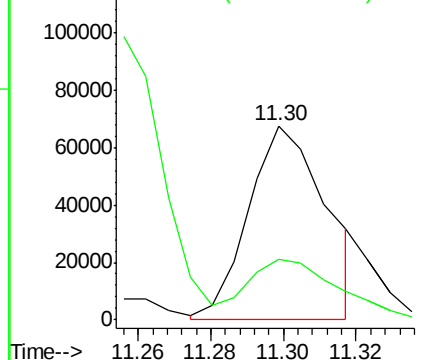
Lab File: VX003261.D

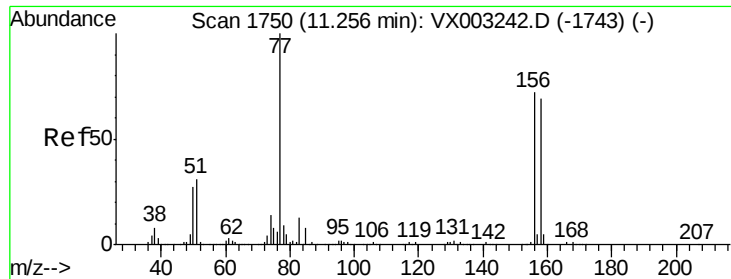
Acq: 09 Jul 2018 23:10

Tgt Ion:	75	Resp:	100190
Ion Ratio	Lower	Upper	
75	100		
77	36.5	22.8	68.3



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





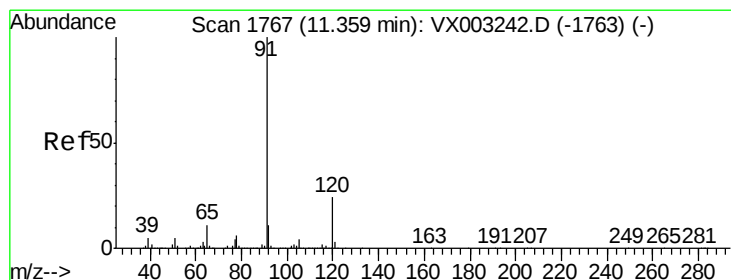
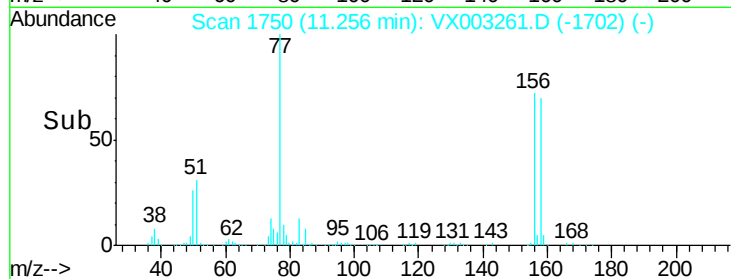
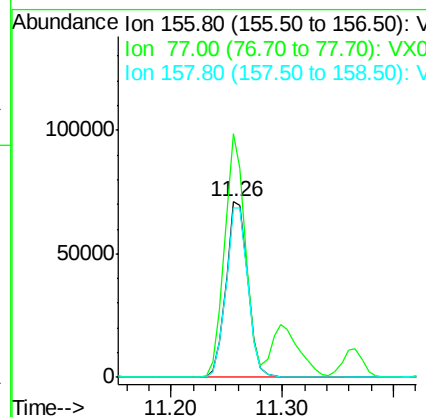
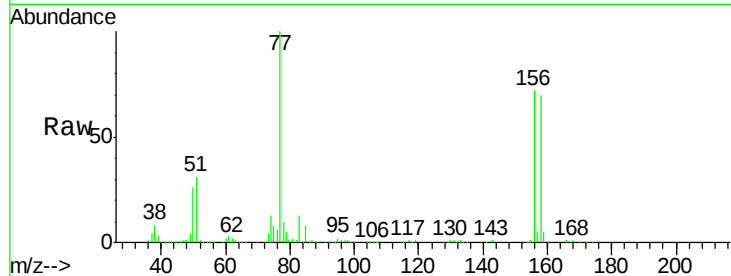
#77
Bromobenzene
Concen: 20.41 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.7	71.4	214.2
158	97.4	48.9	146.6

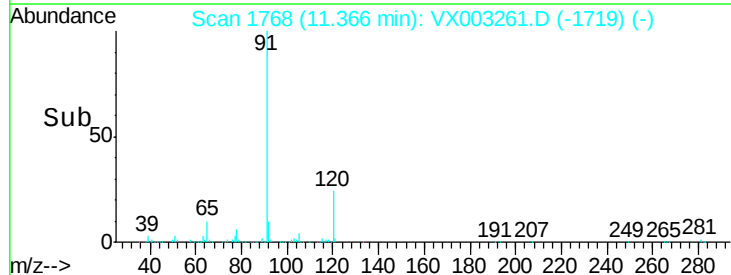
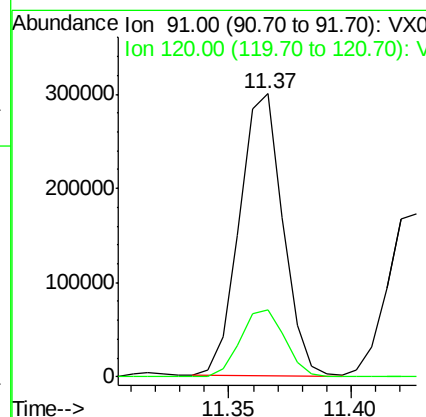
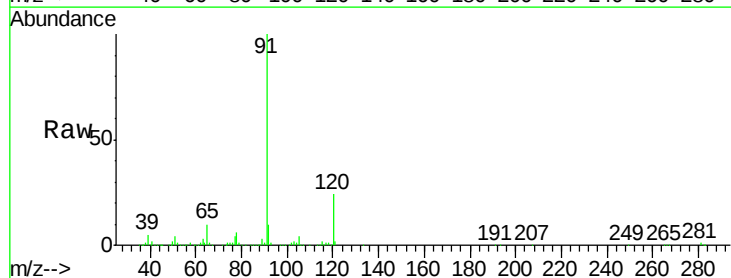
Manual Integrations
APPROVED

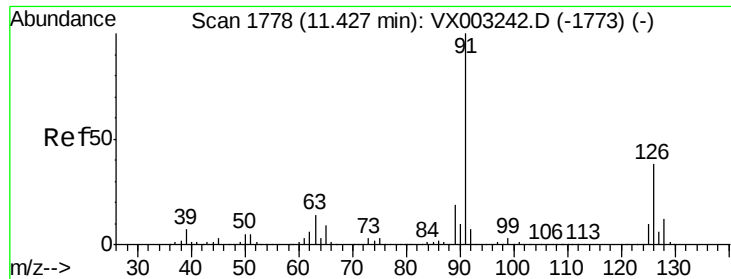
MMDadoda
7/10/2018 3:11:55 PM



#78
n-propylbenzene
Concen: 20.53 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.56 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion: 91 Resp: 226025

Ion Ratio Lower Upper

91 100

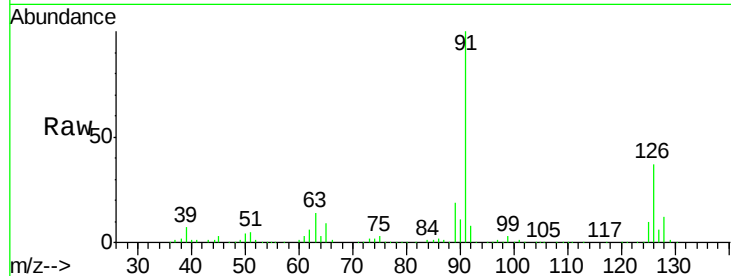
126 36.6 17.7 53.1

Manual Integrations

APPROVED

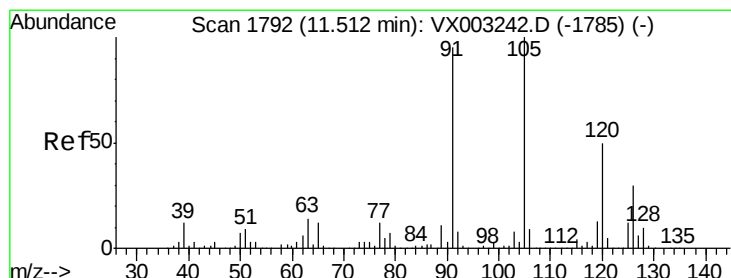
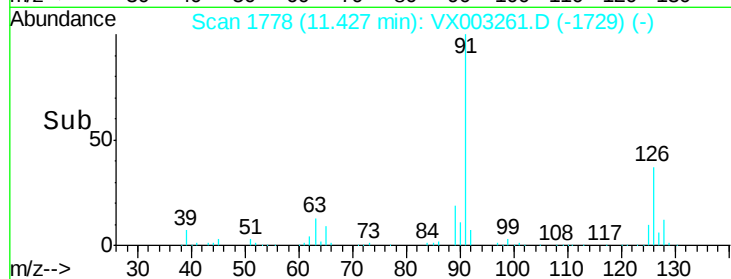
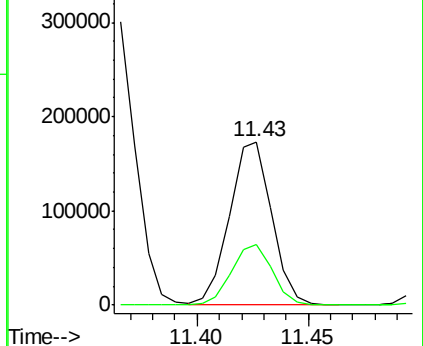
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003261.D

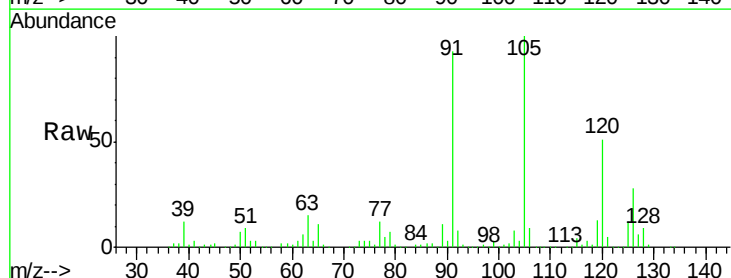
Acq: 09 Jul 2018 23:10

Tgt Ion:105 Resp: 277578

Ion Ratio Lower Upper

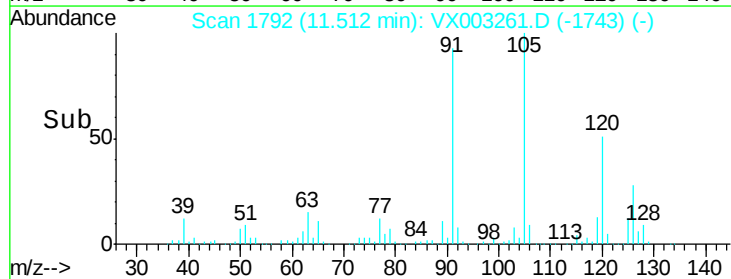
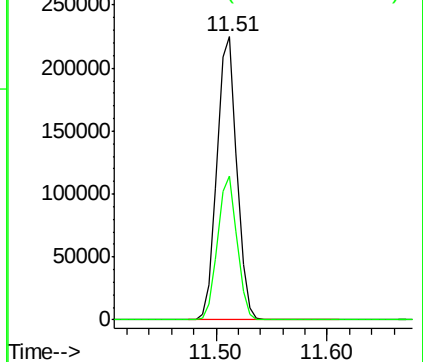
105 100

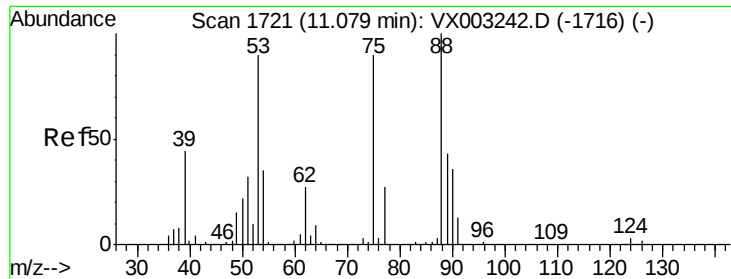
120 50.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





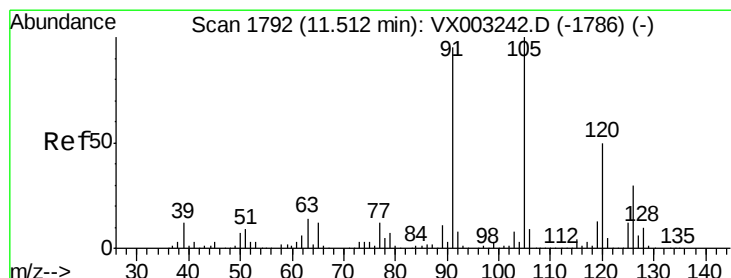
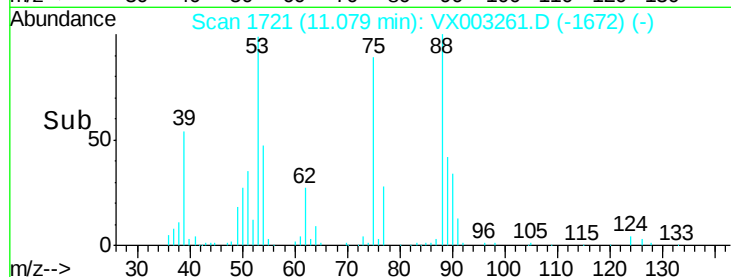
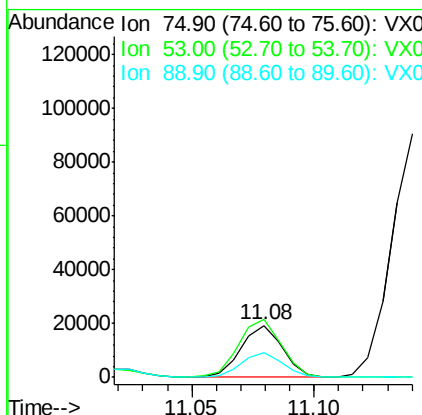
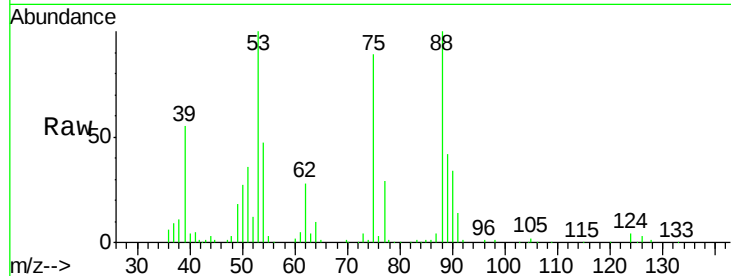
#81
trans-1,4-Dichloro-2-butene
Concen: 16.72 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion: 75 Resp: 22733
Ion Ratio Lower Upper
75 100
53 115.0 86.8 130.2
89 48.4 38.2 57.2

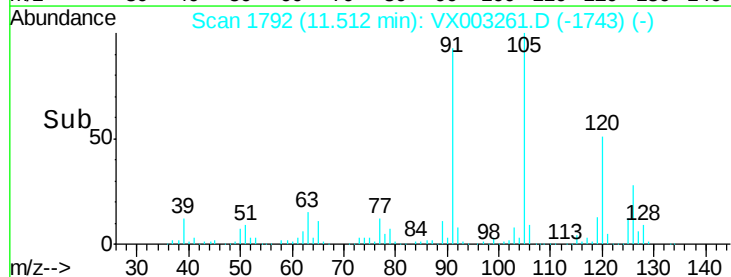
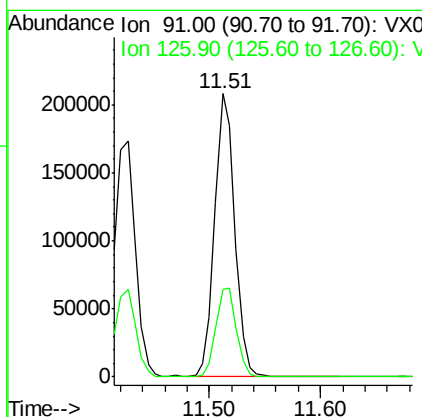
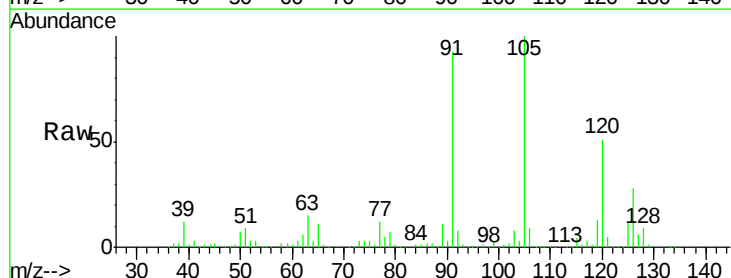
Manual Integrations
APPROVED

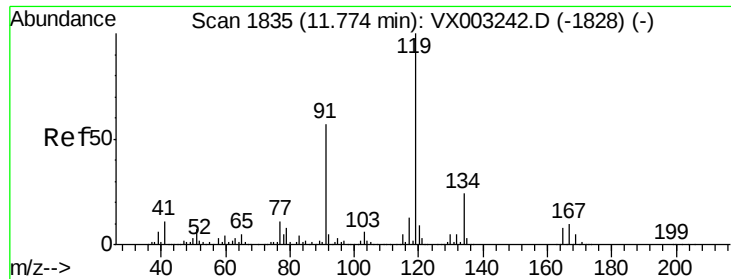
MMDadoda
7/10/2018 3:11:55 PM



#82
4-Chlorotoluene
Concen: 20.23 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion: 91 Resp: 259758
Ion Ratio Lower Upper
91 100
126 32.3 15.4 46.4





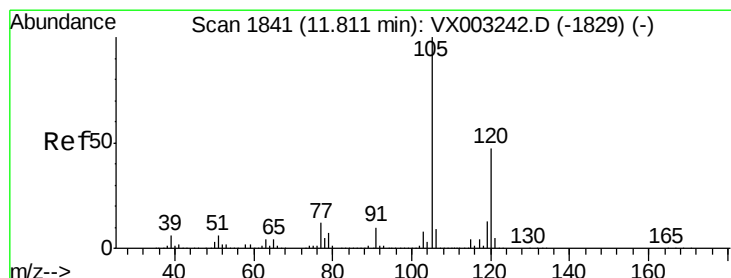
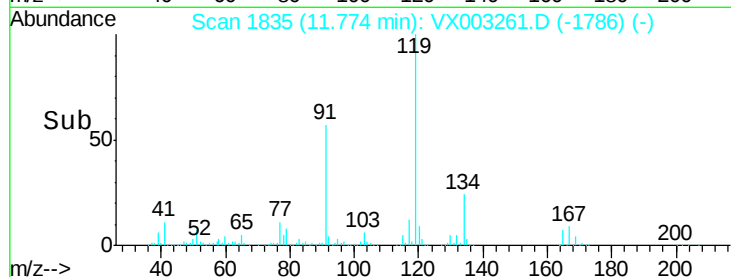
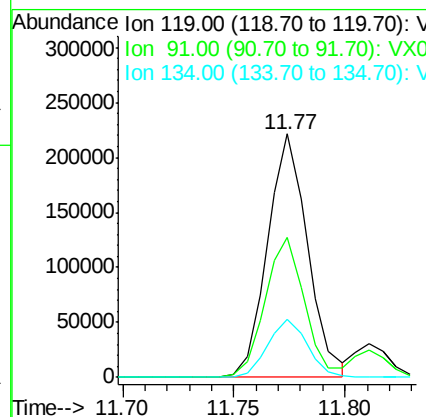
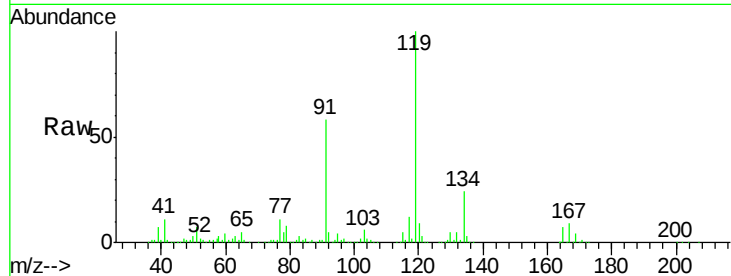
#83
 tert-Butylbenzene
 Concen: 20.51 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	30.3	90.9
134	23.8	11.7	35.1

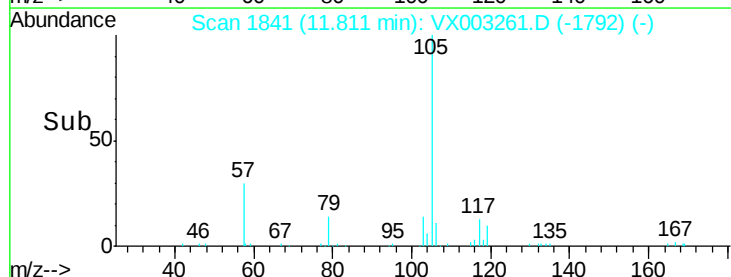
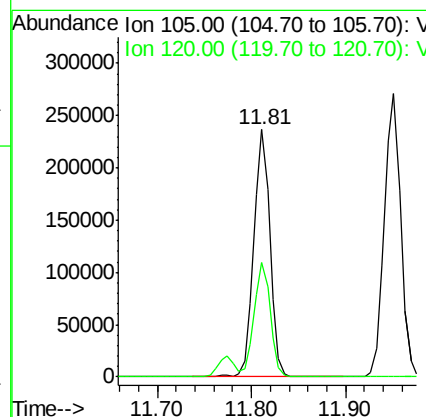
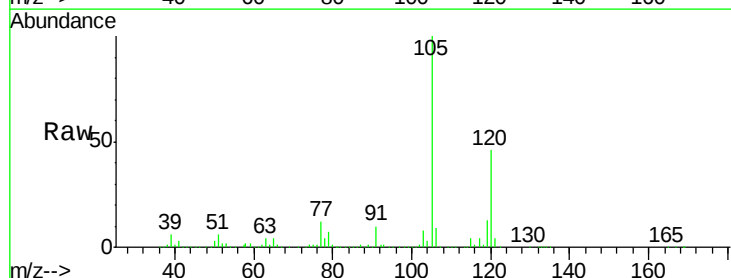
Manual Integrations
 APPROVED

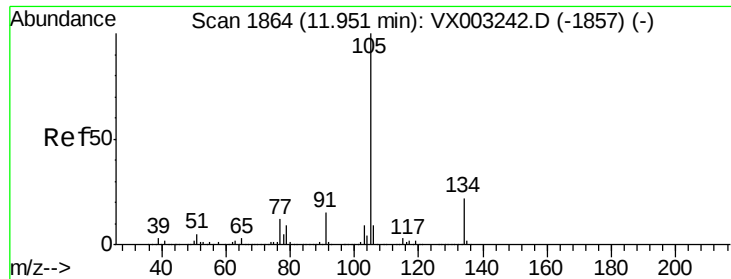
MMDadoda
 7/10/2018 3:11:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.69 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.49 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS02

Tot Ion:105 Resp: 326983

Ion Ratio Lower Upper

105 100

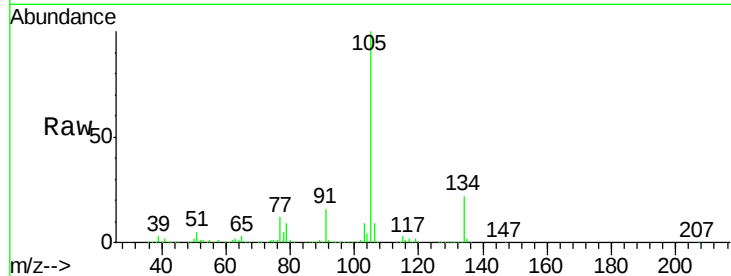
134 21.4 10.4 31.1

Manual Integrations

APPROVED

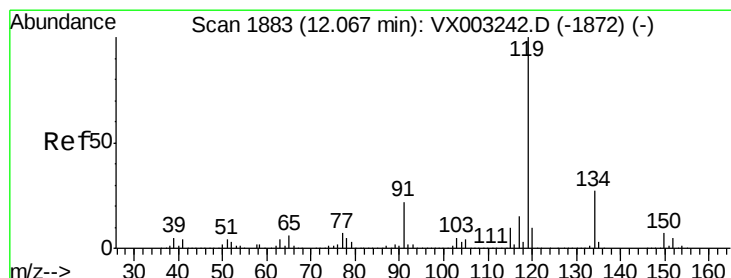
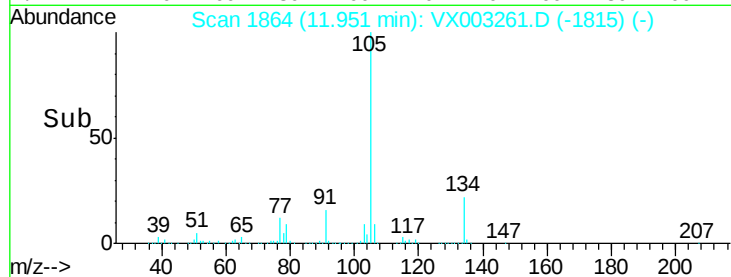
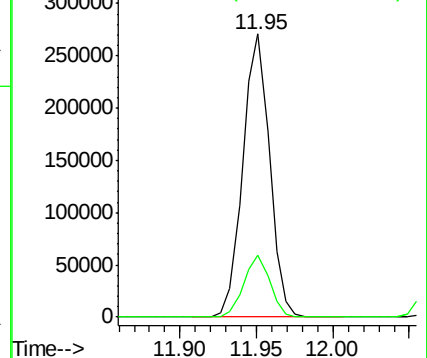
MMDadoda

7/10/2018 3:11:55 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.14 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

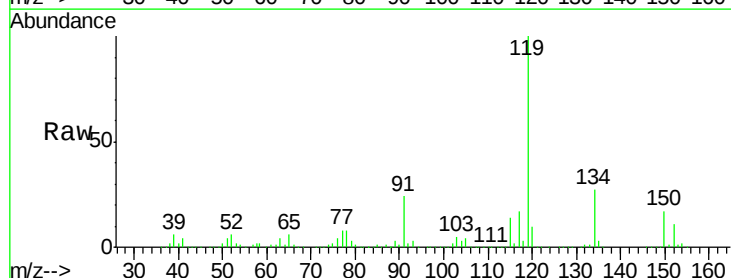
Tgt Ion:119 Resp: 292813

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

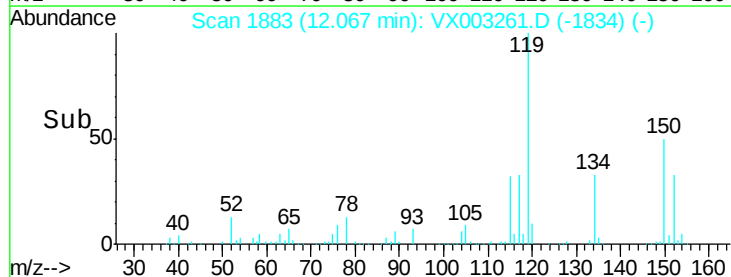
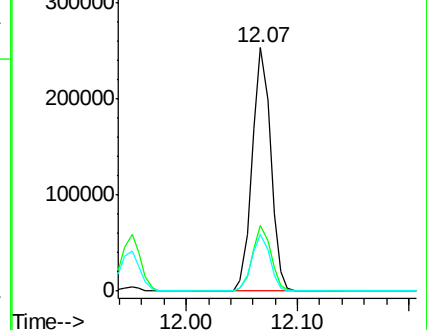
91 23.1 11.9 35.7

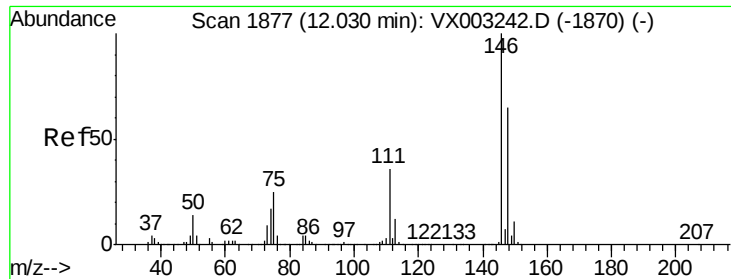


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





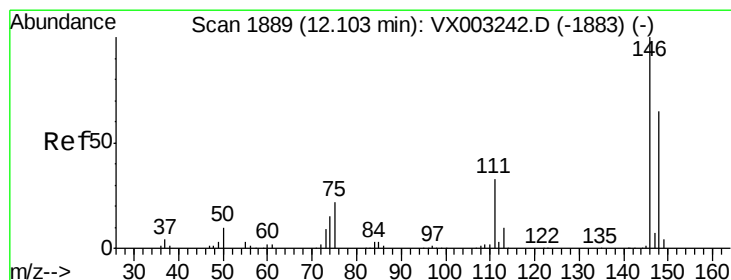
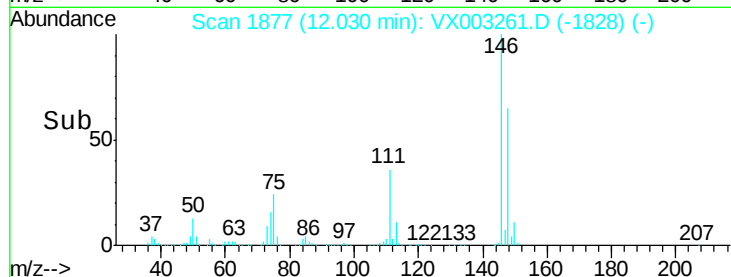
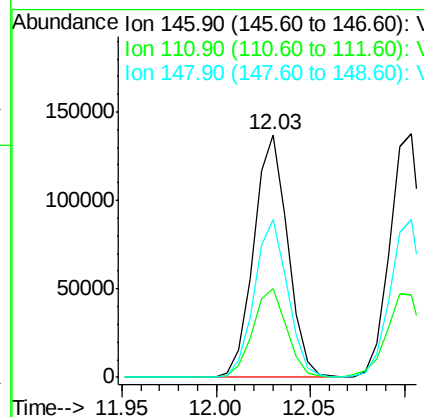
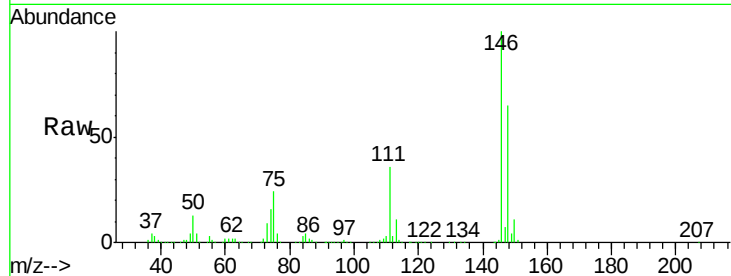
#87
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.7
148	64.2	32.1	96.3

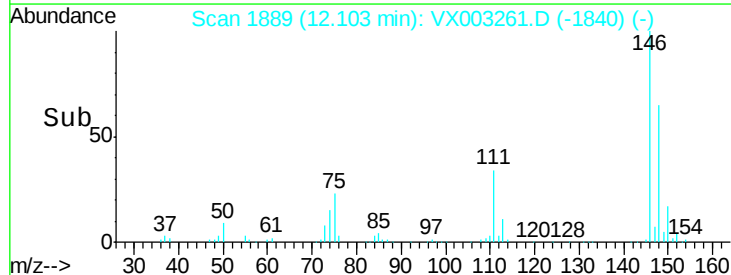
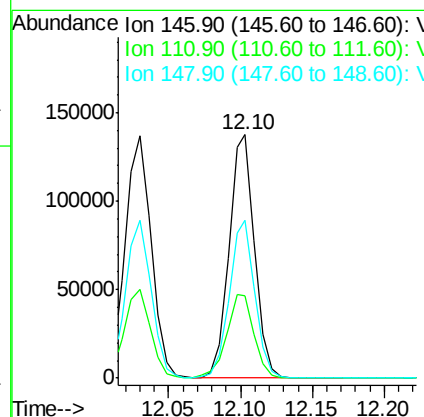
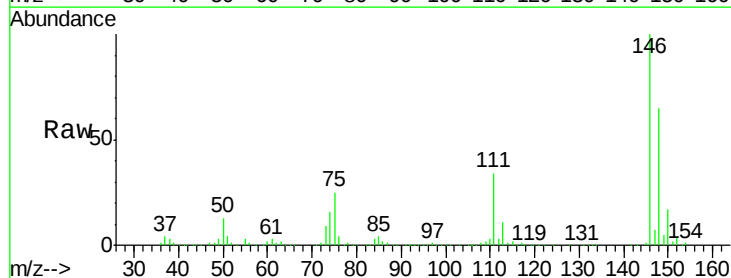
Manual Integrations
 APPROVED

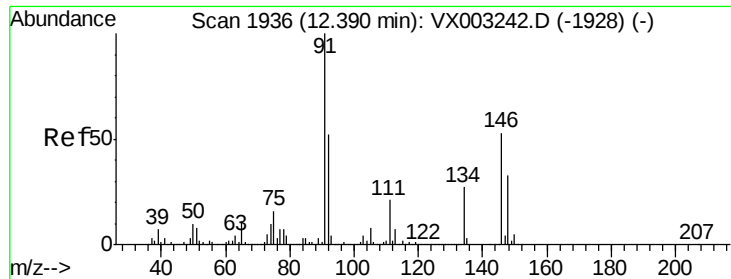
MMDadoda
 7/10/2018 3:11:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	65.1	32.4	97.0





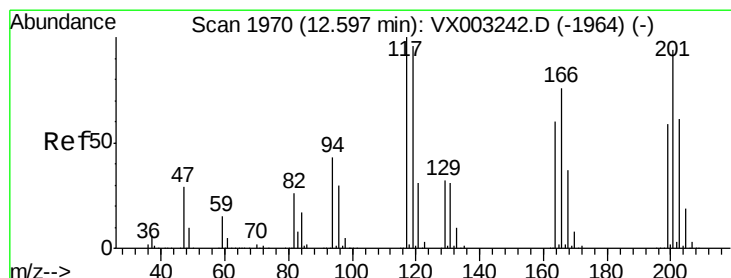
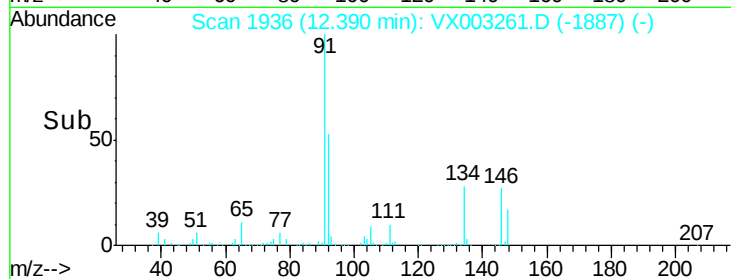
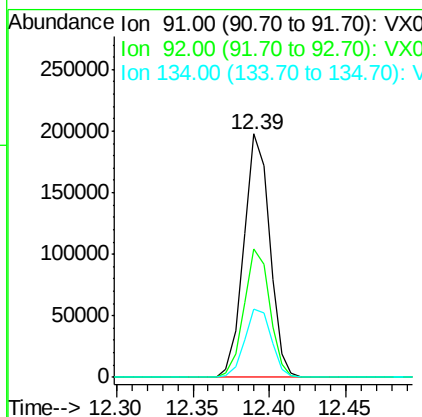
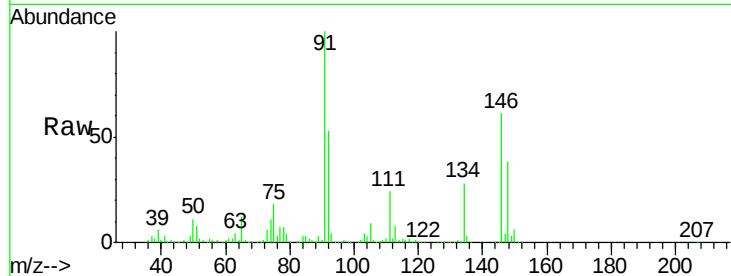
#89
n-Butylbenzene
Concen: 19.10 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	29.1	13.5	40.5

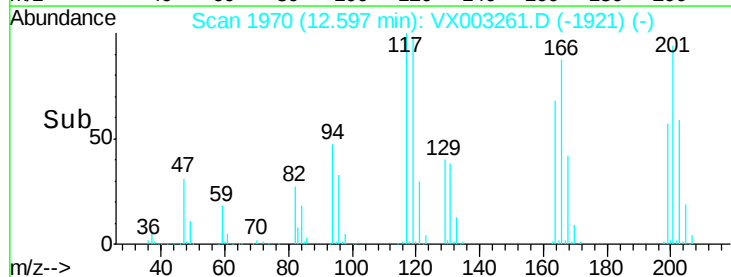
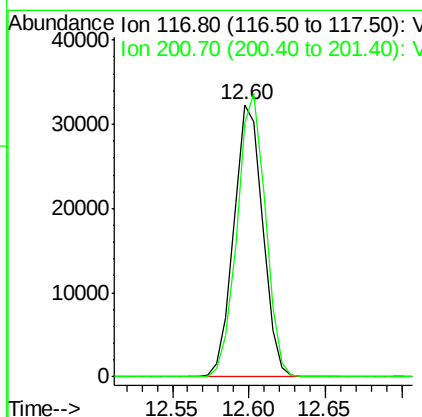
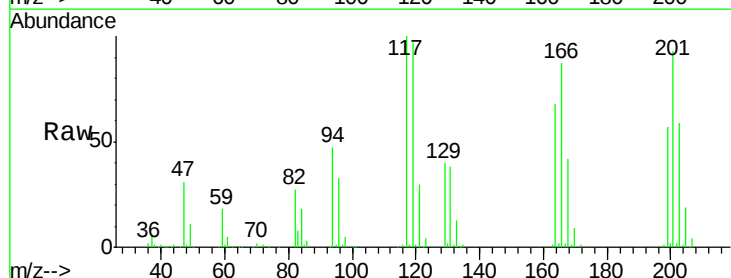
Manual Integrations
APPROVED

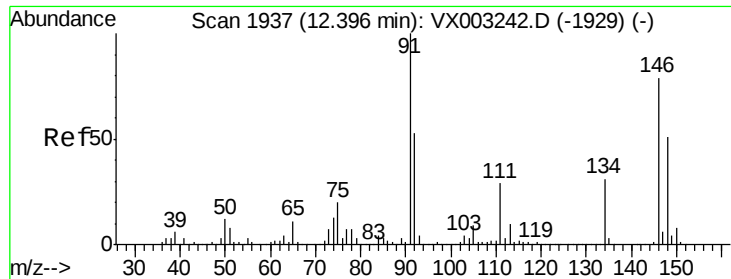
MMDadoda
7/10/2018 3:11:55 PM



#90
Hexachloroethane
Concen: 19.07 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003261.D
Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.6	49.0	147.0





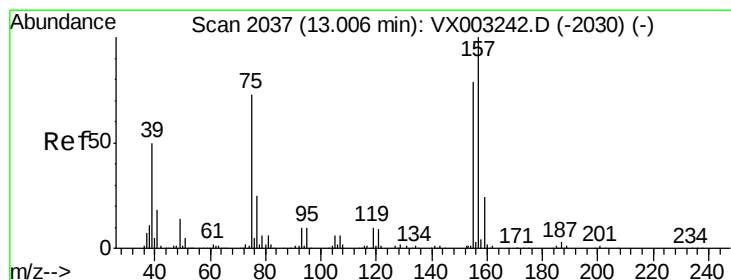
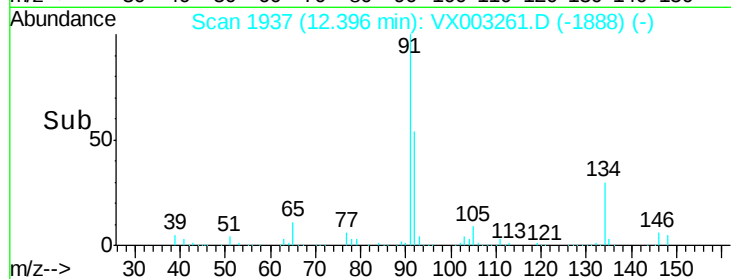
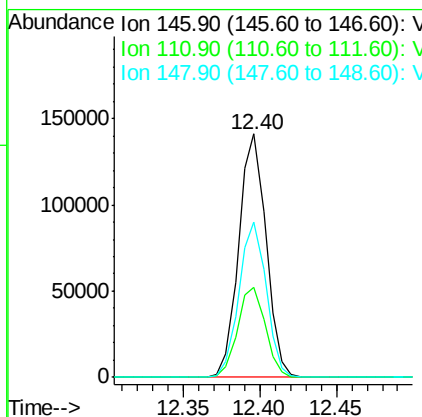
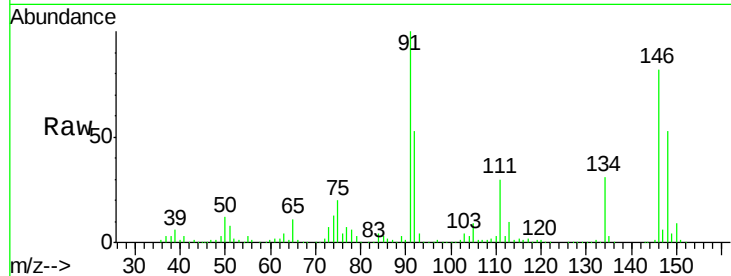
#91
 1,2-Dichlorobenzene
 Concen: 20.27 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.4	58.1
148	63.8	31.7	95.1

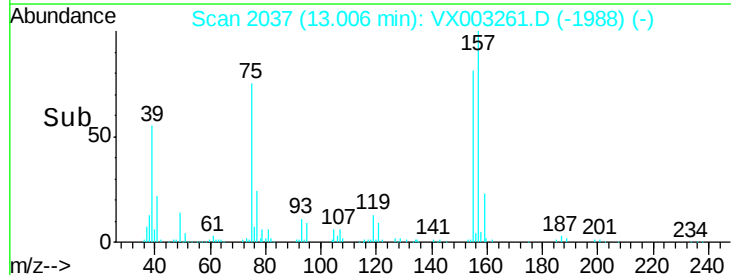
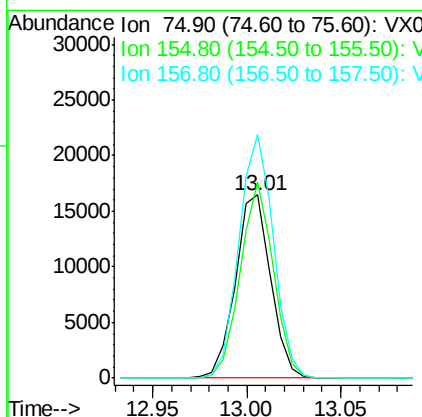
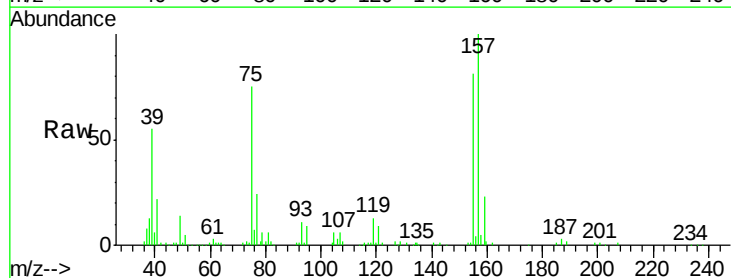
Manual Integrations
 APPROVED

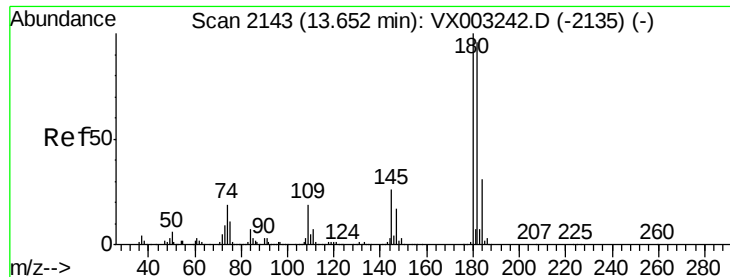
MMDadoda
 7/10/2018 3:11:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.77 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	45.8	137.4
157	130.1	60.1	180.3





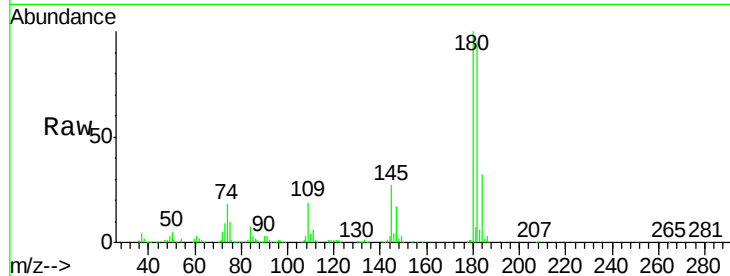
#93
 1,2,4-Trichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0709WBS02

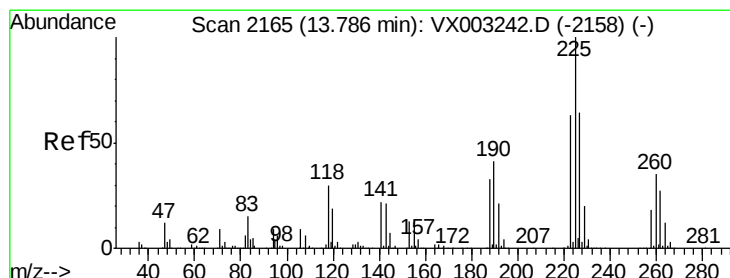
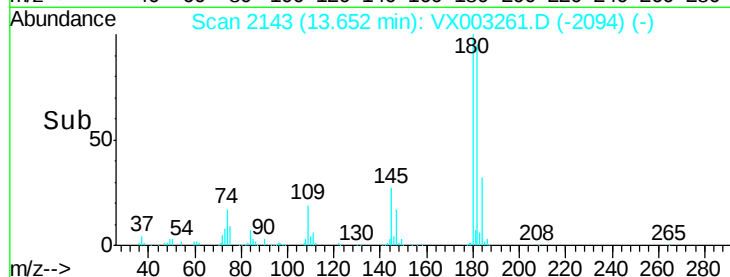
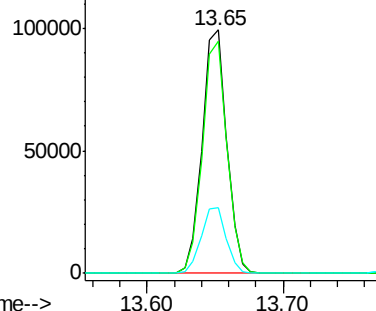
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.7	143.1	
145	27.4	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:55 PM

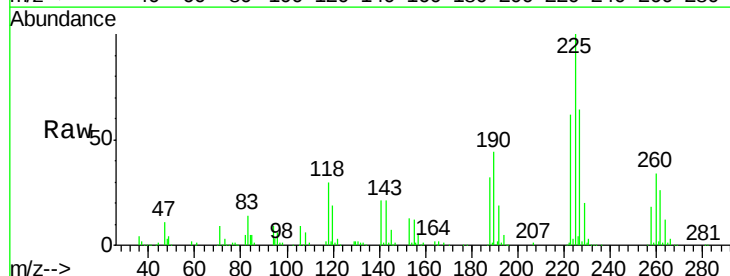


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

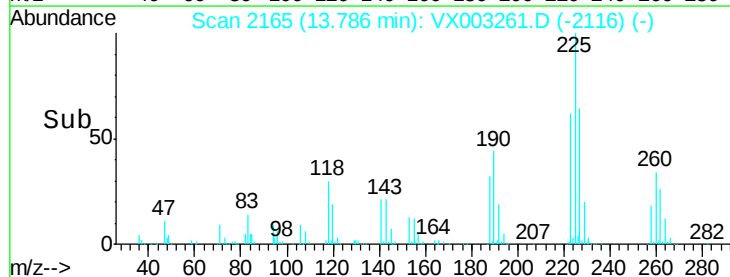
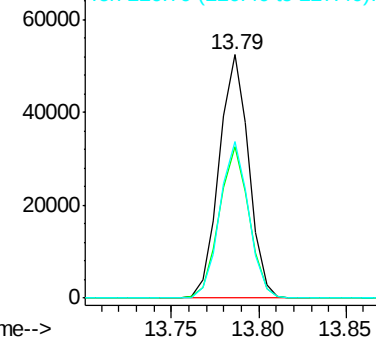


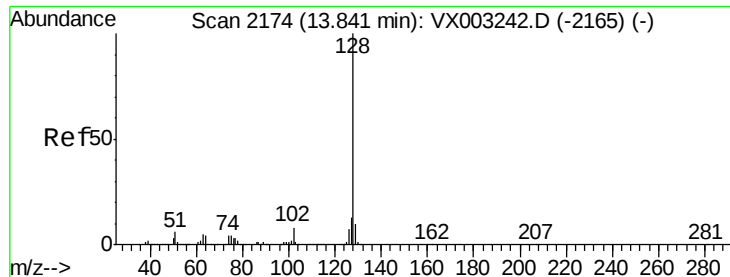
#94
 Hexachlorobutadiene
 Concen: 19.69 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003261.D
 Acq: 09 Jul 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.6	95.0	
227	62.6	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.20 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Instrument :

MSVOA_X

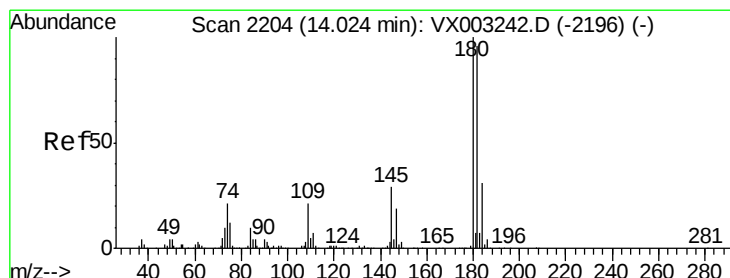
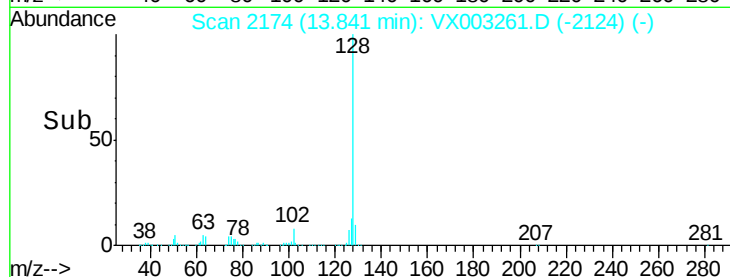
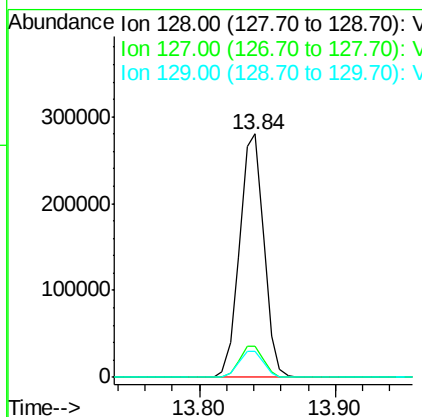
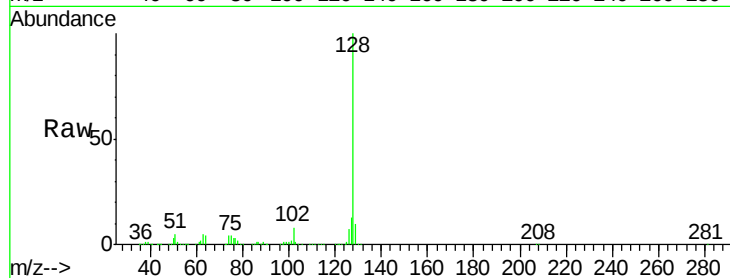
ClientSampleId :

VX0709WBS02

Tot Ion:	128	Resp:	348479
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.45 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003261.D

Acq: 09 Jul 2018 23:10

Tgt Ion:	180	Resp:	128126
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.0
145	28.9	14.8	44.3

