

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004068.D
 Acq On : 15 Aug 2018 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:58 PM

Quant Time: Aug 15 15:02:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	407222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209589	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
35) Dibromofluoromethane	5.51	113	162929	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	8.72	98	667886	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.14	95	244830	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131042	49.49	ug/l	100
3) Chloromethane	1.32	50	168679	51.92	ug/l	98
4) Vinyl Chloride	1.40	62	179446	51.05	ug/l	99
5) Bromomethane	1.64	94	94729	53.19	ug/l	100
6) Chloroethane	1.72	64	124415	53.94	ug/l	97
7) Trichlorofluoromethane	1.93	101	248408	50.37	ug/l	99
8) Diethyl Ether	2.18	74	109902	51.05	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	144404	46.94	ug/l	100
10) Methyl Iodide	2.51	142	154565	47.34	ug/l	99
11) Tert butyl alcohol	3.04	59	204812	265.40	ug/l	99
12) 1,1-Dichloroethene	2.38	96	146499	51.20	ug/l	96
13) Acrolein	2.29	56	126619	242.19	ug/l	100
14) Allyl chloride	2.73	41	256726	47.15	ug/l	97
15) Acrylonitrile	3.14	53	496485	258.03	ug/l	99
16) Acetone	2.43	43	516490	259.22	ug/l	99
17) Carbon Disulfide	2.57	76	405850	50.01	ug/l	99
18) Methyl Acetate	2.77	43	192852	43.56	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	513345	50.92	ug/l	99
20) Methylene Chloride	2.86	84	177193	54.46	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	161732	49.77	ug/l	100
22) Diisopropyl ether	3.86	45	528404	49.53	ug/l	93
23) Vinyl Acetate	3.82	43	1878165	214.34	ug/l	100
24) 1,1-Dichloroethane	3.70	63	310997	51.47	ug/l	100
25) 2-Butanone	4.70	43	833400	257.07	ug/l	100
26) 2,2-Dichloropropane	4.59	77	117067	24.37	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	185818	50.85	ug/l	94
28) Bromochloromethane	5.02	49	150495	54.28	ug/l	95
29) Tetrahydrofuran	5.15	42	411375	248.37	ug/l	99
30) Chloroform	5.22	83	303772	51.51	ug/l	98
31) Cyclohexane	5.58	56	248155	46.85	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	253094	51.36	ug/l	99
36) 1,1-Dichloropropene	5.80	75	226785	47.19	ug/l	99
37) Ethyl Acetate	4.85	43	210658	40.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	239124	51.21	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081418\
 Data File : VX004068.D
 Acq On : 15 Aug 2018 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:58 PM

Quant Time: Aug 15 15:02:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240784	44.16	ug/l	100
40) Benzene	6.15	78	724340	50.19	ug/l	100
41) Methacrylonitrile	5.06	41	137110	46.78	ug/l	99
42) 1,2-Dichloroethane	6.20	62	254289	50.34	ug/l	99
43) Isopropyl Acetate	6.46	43	342176	44.35	ug/l	99
44) Trichloroethene	7.21	130	213623	54.53	ug/l	95
45) 1,2-Dichloropropane	7.52	63	186175	50.39	ug/l	99
46) Dibromomethane	7.67	93	122562	50.76	ug/l	98
47) Bromodichloromethane	7.90	83	235189	51.43	ug/l	99
48) Methyl methacrylate	7.78	41	201890	51.99	ug/l	98
49) 1,4-Dioxane	7.76	88	92541	1058.43	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1669324	263.90	ug/l	100
52) Toluene	8.79	92	465039	50.95	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	231662	46.90	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	243769	44.56	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	188472	50.00	ug/l	99
56) Ethyl methacrylate	9.18	69	269931	52.67	ug/l	99
57) 1,3-Dichloropropane	9.37	76	319188	51.04	ug/l	100
59) 2-Hexanone	9.50	43	1281336	269.15	ug/l	99
60) Dibromochloromethane	9.59	129	189540	52.26	ug/l	99
61) 1,2-Dibromoethane	9.67	107	195839	50.97	ug/l	100
64) Tetrachloroethene	9.34	164	188776	48.91	ug/l	96
65) Chlorobenzene	10.14	112	498531	47.39	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	173078	48.24	ug/l	96
67) Ethyl Benzene	10.26	91	861129	51.70	ug/l	95
68) m/p-Xylenes	10.36	106	672045	103.03	ug/l	98
69) o-Xylene	10.70	106	321700	51.61	ug/l	96
70) Styrene	10.71	104	546868	52.13	ug/l	97
71) Bromoform	10.86	173	146762	51.59	ug/l	99
73) Isopropylbenzene	11.02	105	866797	50.71	ug/l	96
74) N-amyl acetate	6.46	43	342176	42.56	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	293744	49.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	257757m	50.89	ug/l	
77) Bromobenzene	11.26	156	233771	49.62	ug/l	98
78) n-propylbenzene	11.36	91	1000327	52.30	ug/l	100
79) 2-Chlorotoluene	11.42	91	595094	51.05	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	704661	50.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	66740	40.79	ug/l	98
82) 4-Chlorotoluene	11.51	91	680632	49.40	ug/l	98
83) tert-Butylbenzene	11.77	119	732808	51.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	750053	51.75	ug/l	100
85) sec-Butylbenzene	11.94	105	824991	49.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	764485	51.13	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	425907	47.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	435182	47.05	ug/l	99
89) n-Butylbenzene	12.39	91	579242	49.17	ug/l	98
90) Hexachloroethane	12.60	117	108316	48.42	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	401592	49.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52462	50.01	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	259916	46.92	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
Data File : VX004068.D
Acq On : 15 Aug 2018 10:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

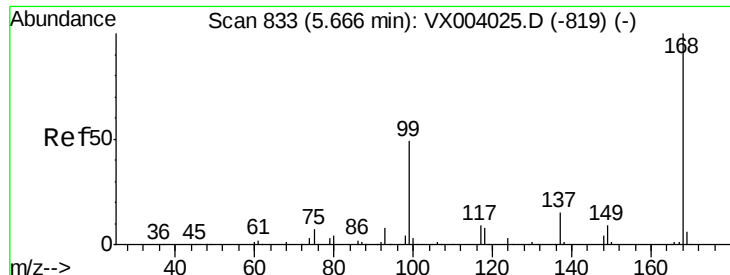
Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM

Quant Time: Aug 15 15:02:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	111463	40.14	ug/l	99
95) Naphthalene	13.83	128	862246	48.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	289076	47.85	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 271991

Ion Ratio Lower Upper

168 100

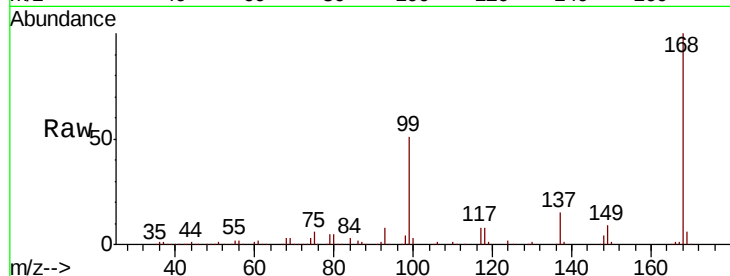
99 50.4 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

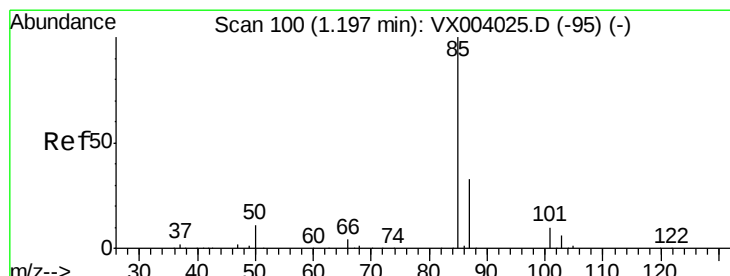
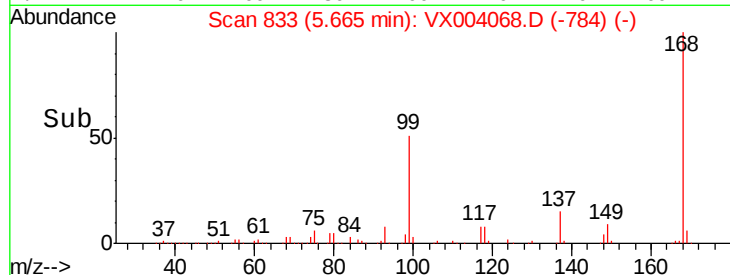
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004068.D

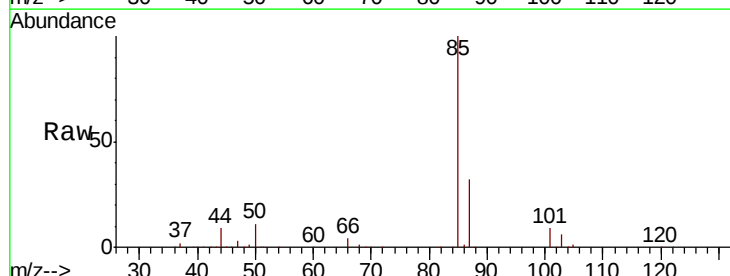
Acq: 15 Aug 2018 10:05

Tgt Ion: 85 Resp: 131042

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

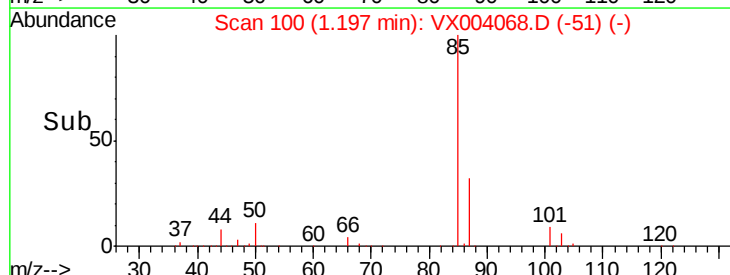
150000

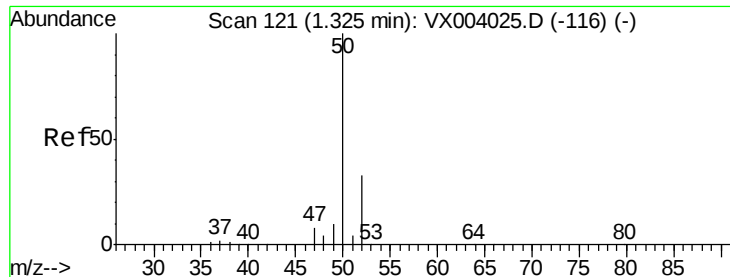
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 168679

Ion Ratio Lower Upper

50 100

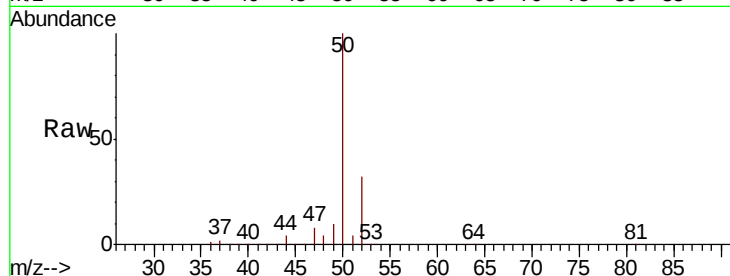
52 32.0 26.6 39.8

Manual Integrations

APPROVED

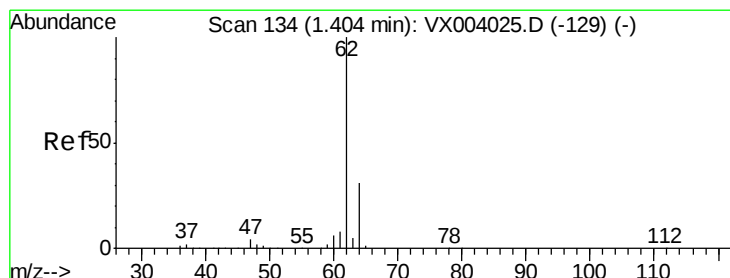
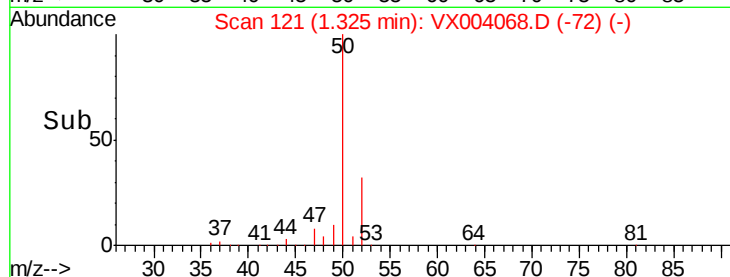
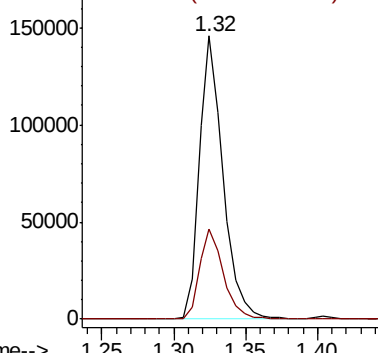
MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.05 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004068.D

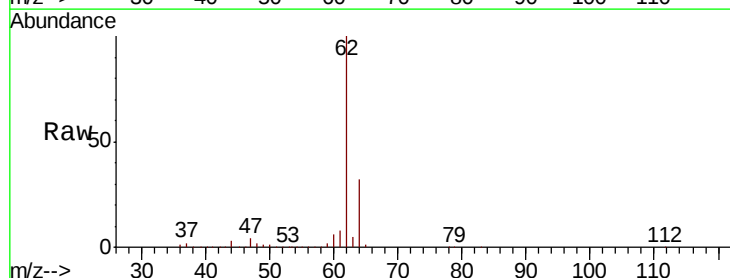
Acq: 15 Aug 2018 10:05

Tgt Ion: 62 Resp: 179446

Ion Ratio Lower Upper

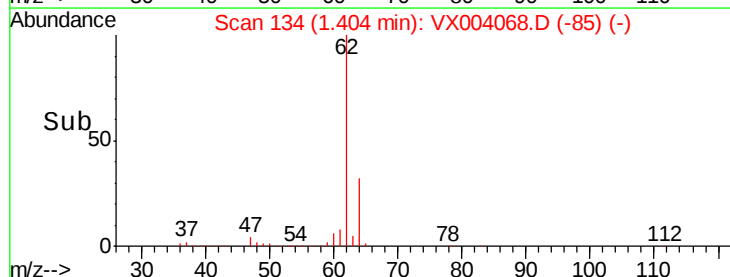
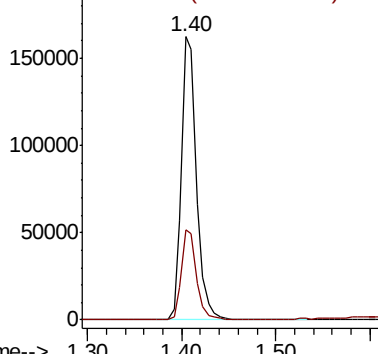
62 100

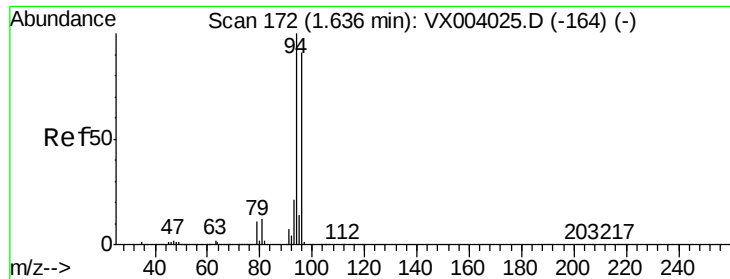
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 94729

Ion Ratio Lower Upper

94 100

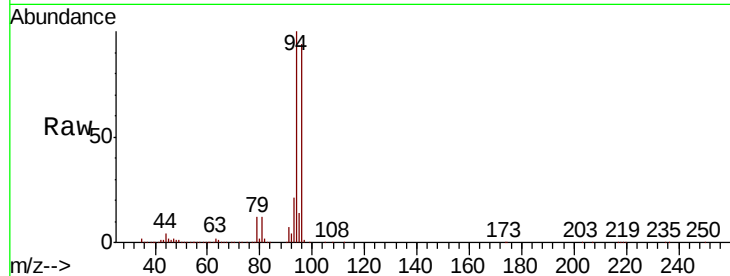
96 94.0 75.2 112.8

Manual Integrations

APPROVED

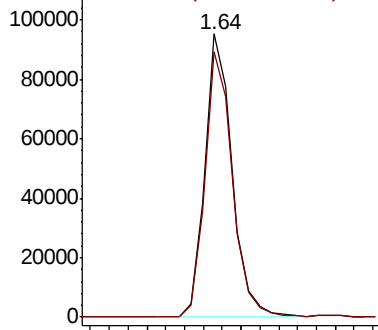
MMDadoda

8/15/2018 4:49:58 PM

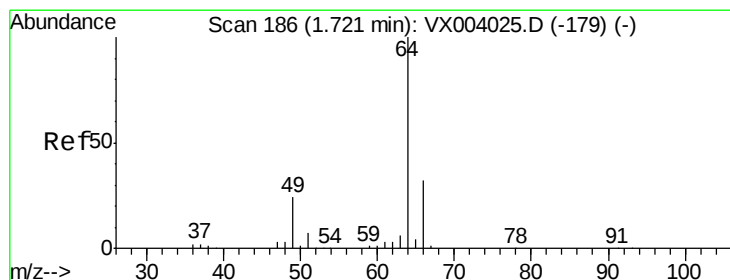
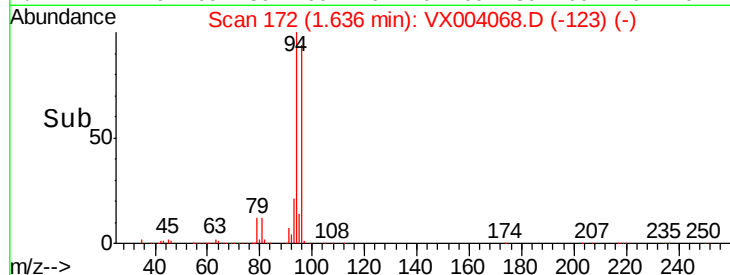


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 53.94 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004068.D

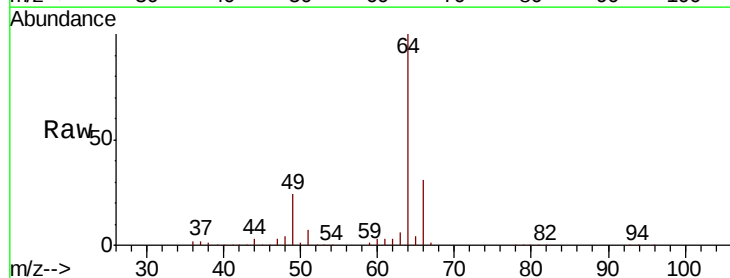
Acq: 15 Aug 2018 10:05

Tgt Ion: 64 Resp: 124415

Ion Ratio Lower Upper

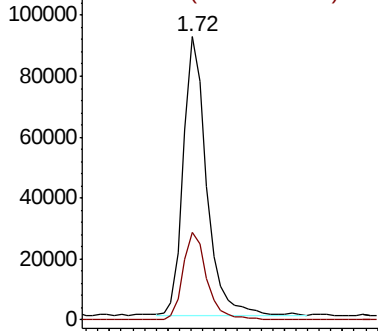
64 100

66 31.2 26.5 39.7

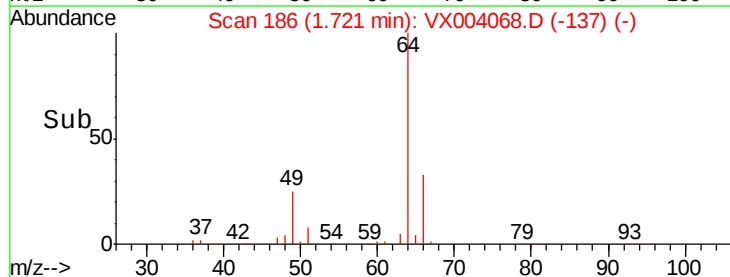


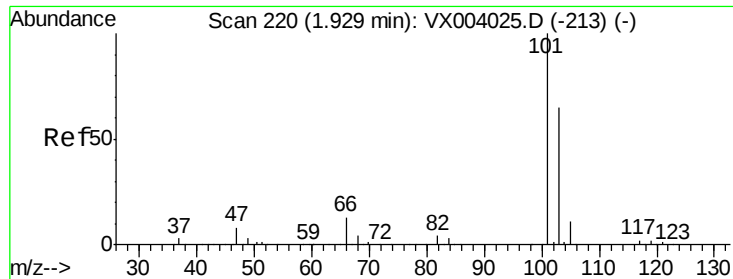
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

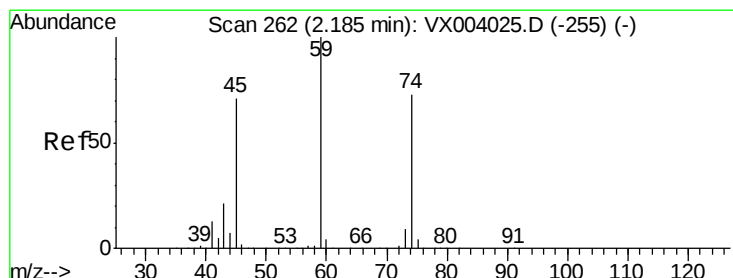
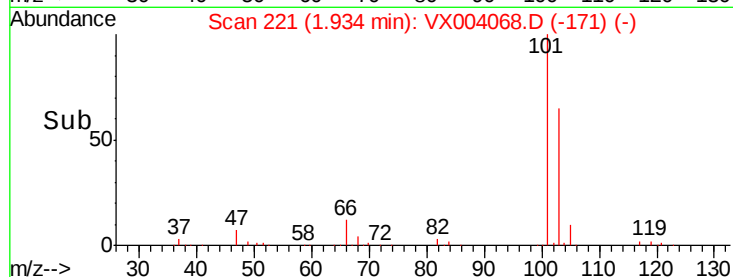
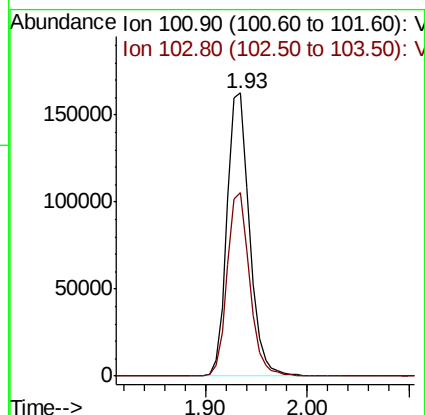
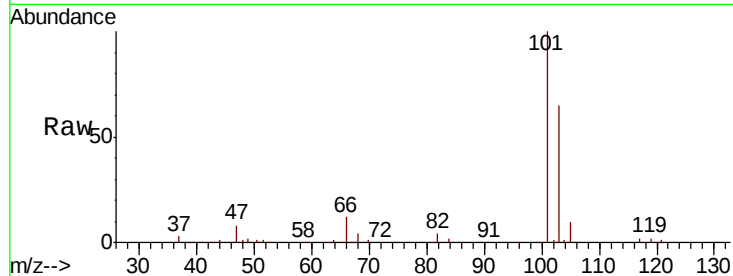
Trichlorofluoromethane
 Concen: 50.37 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

Manual Integrations
 APPROVED

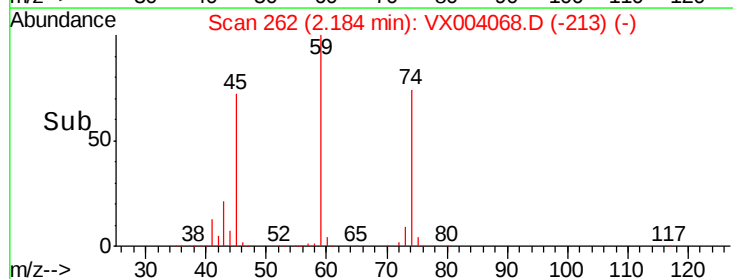
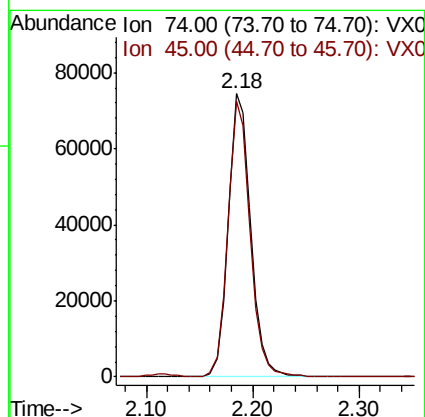
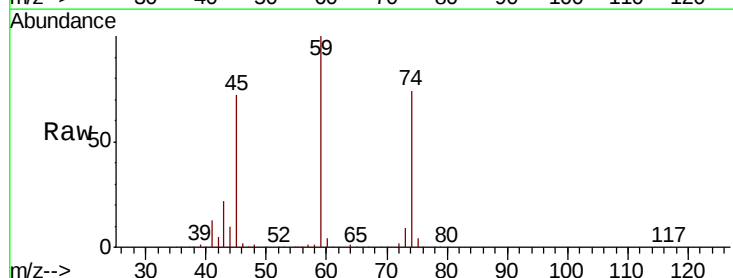
MMDadoda
 8/15/2018 4:49:58 PM

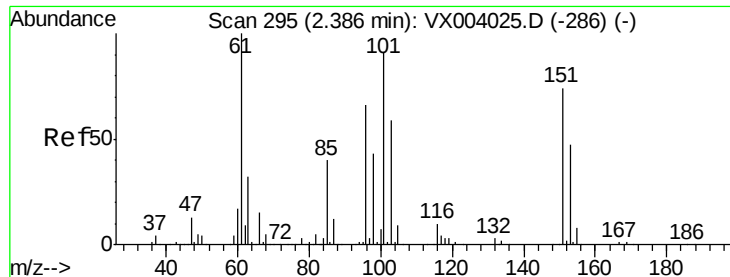


#8

Diethyl Ether
 Concen: 51.05 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.94 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

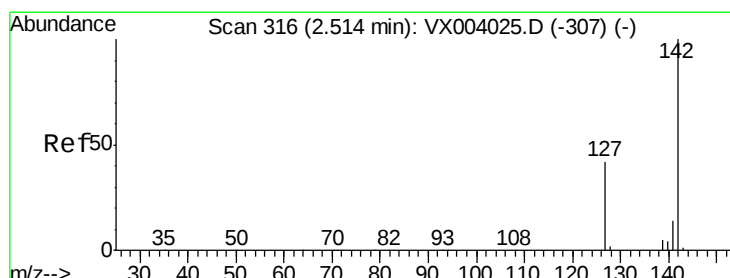
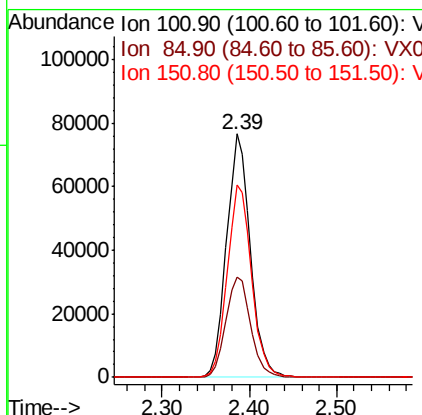
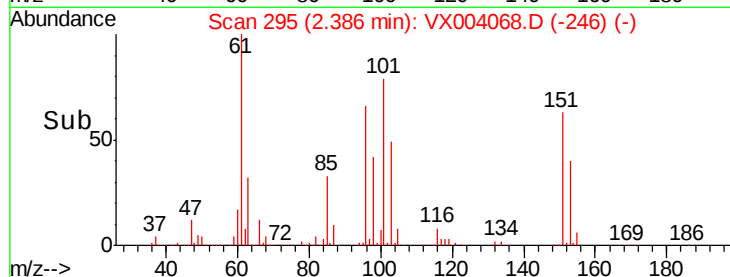
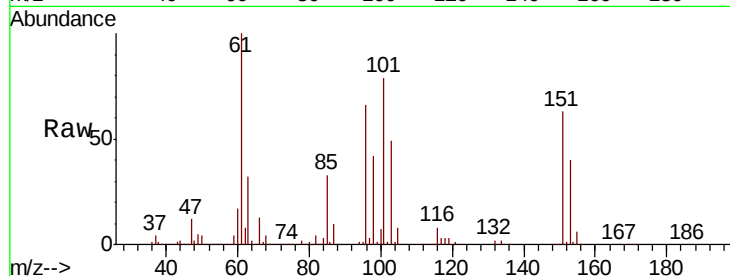
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144404
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.0	65.0	97.4

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#10

Methyl Iodide

Concen: 47.34 ug/l

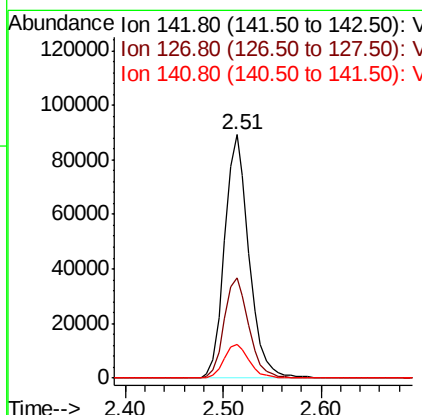
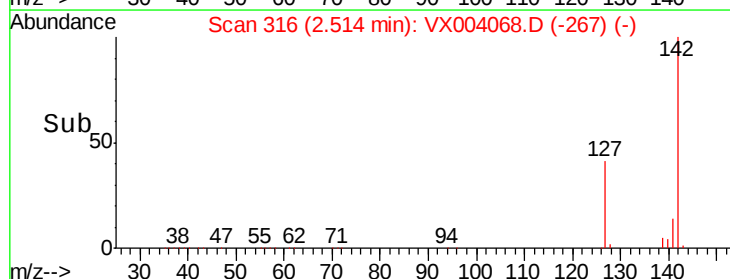
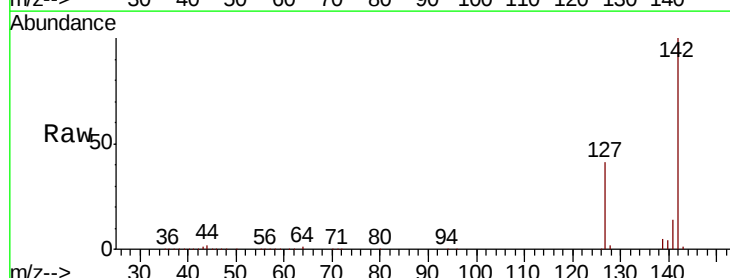
RT: 2.51 min Scan# 316

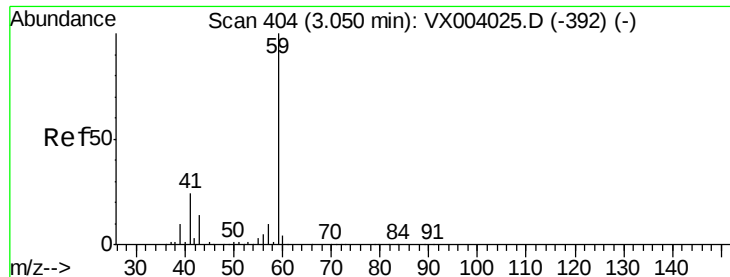
Delta R.T. 0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion:	142	Resp:	154565
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.1	49.7
141	14.2	11.1	16.7





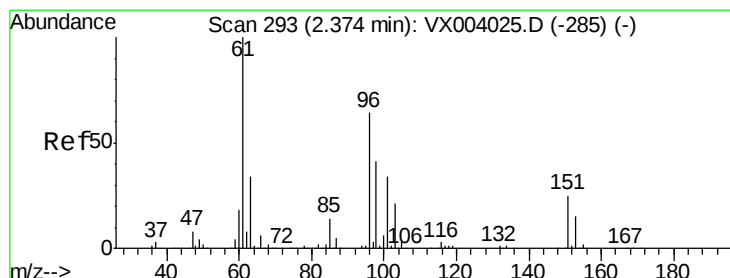
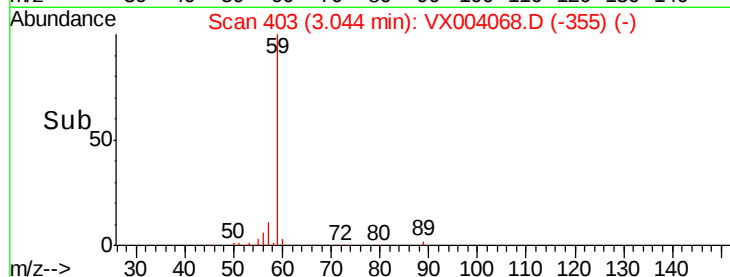
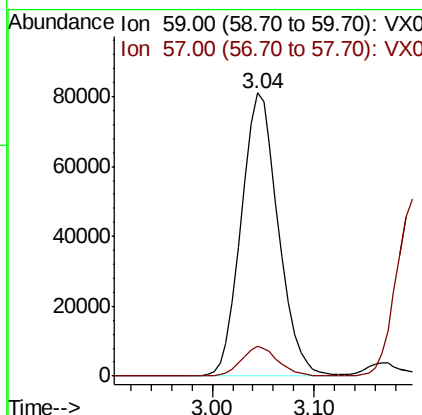
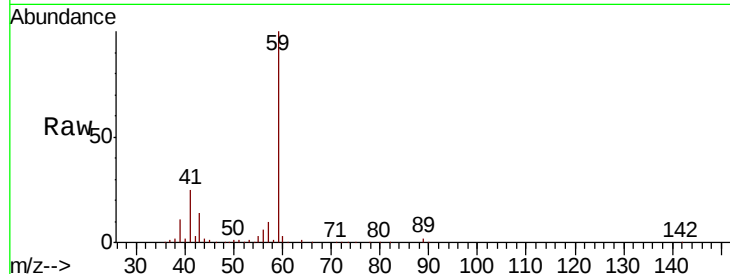
#11
Tert butyl alcohol
Concen: 265.40 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

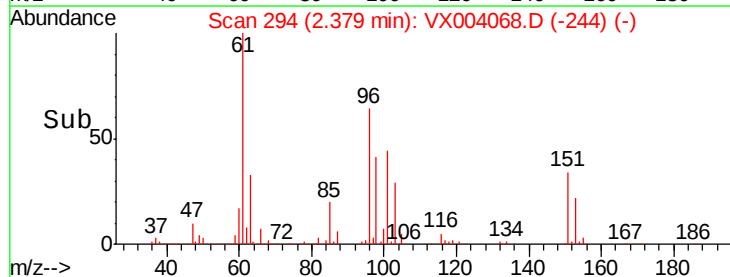
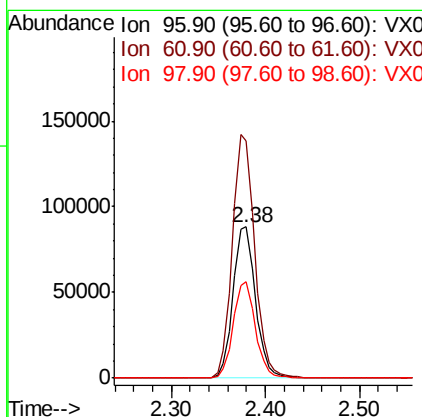
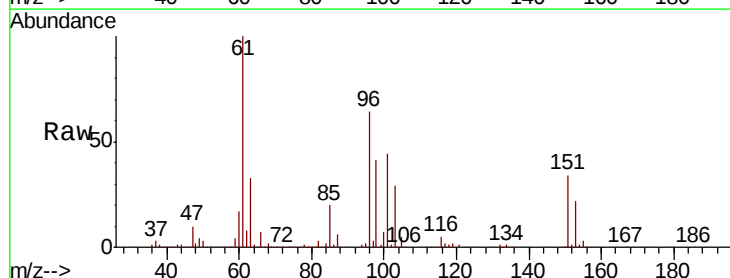
Manual Integrations
APPROVED

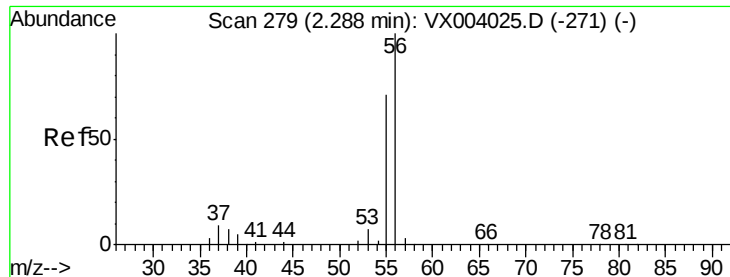
MMDadoda
8/15/2018 4:49:58 PM



#12
1,1-Dichloroethene
Concen: 51.20 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	131.3	196.9
98	63.9	51.8	77.6





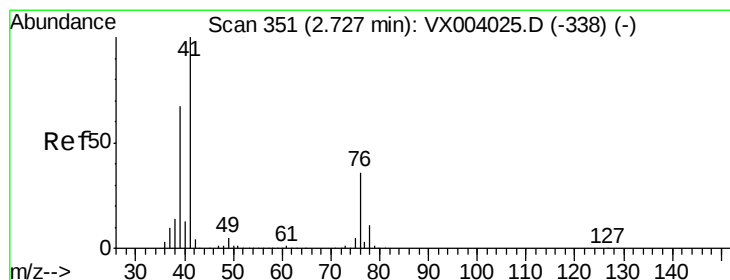
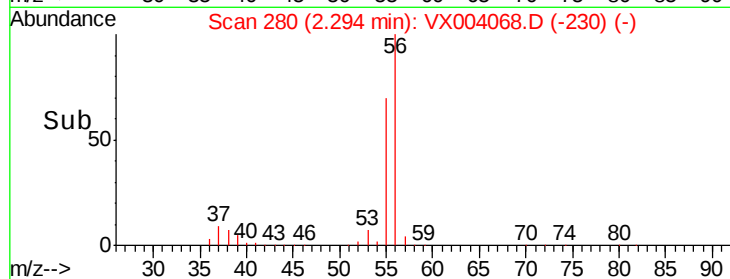
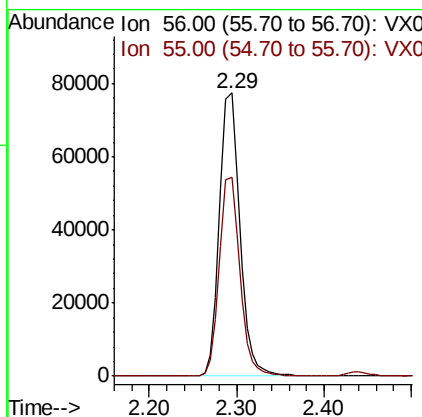
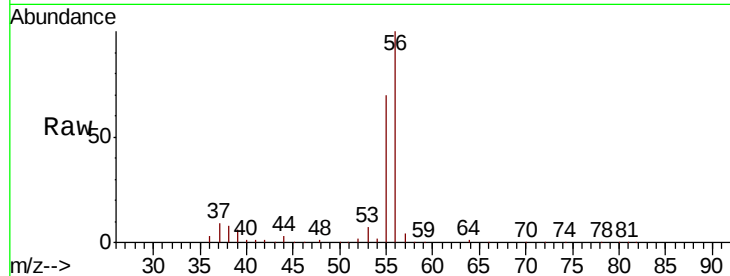
#13
Acrolein
Concen: 242.19 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.1	84.1

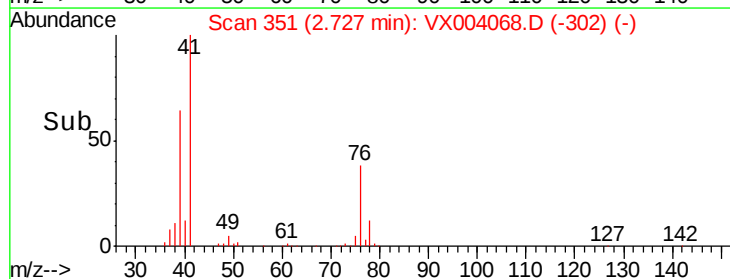
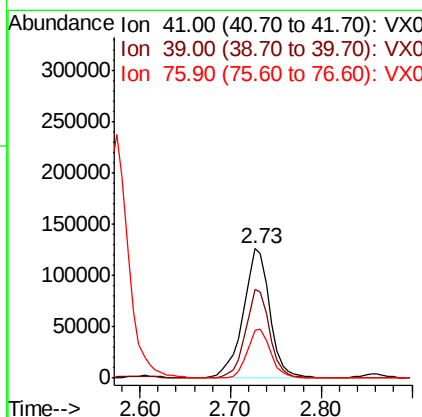
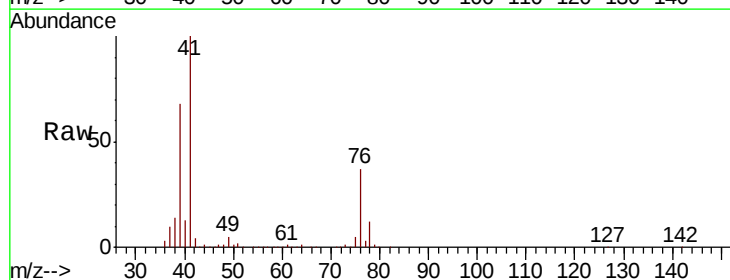
Manual Integrations
APPROVED

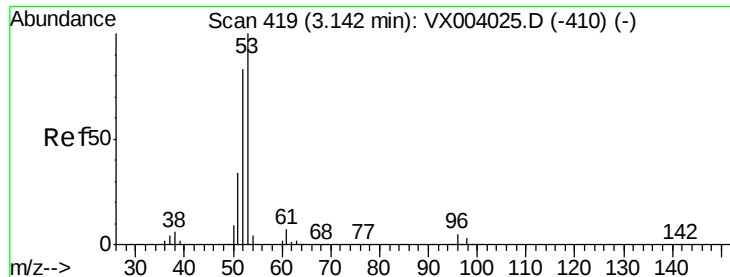
MMDadoda
8/15/2018 4:49:58 PM



#14
Allyl chloride
Concen: 47.15 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	47.4	71.0
76	33.7	26.0	39.0





#15

Acrylonitrile

Concen: 258.03 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

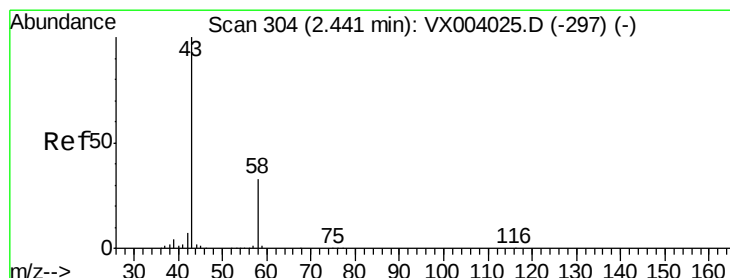
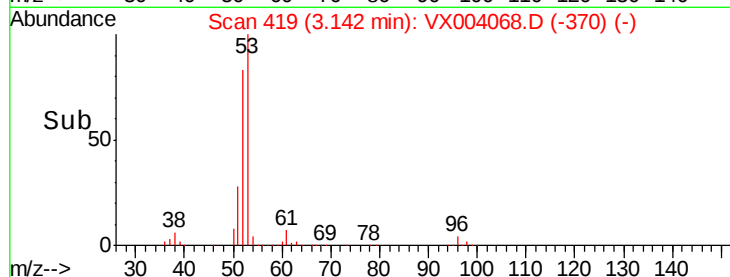
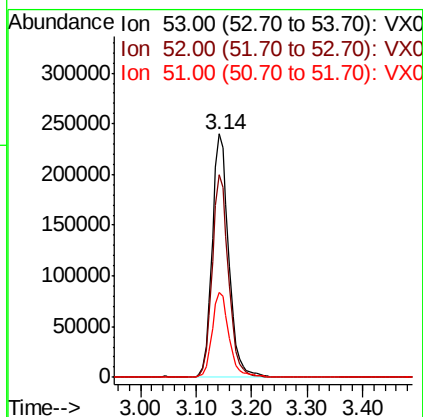
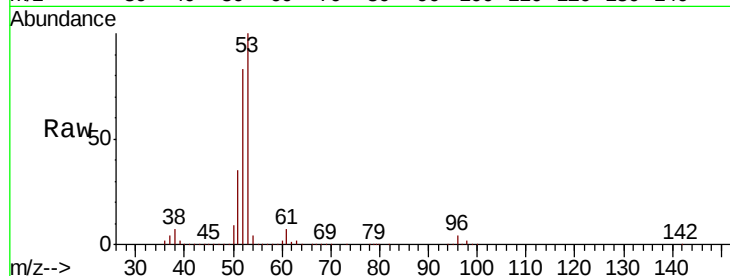
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	496485
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.3	97.9
51	35.7	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#16

Acetone

Concen: 259.22 ug/l

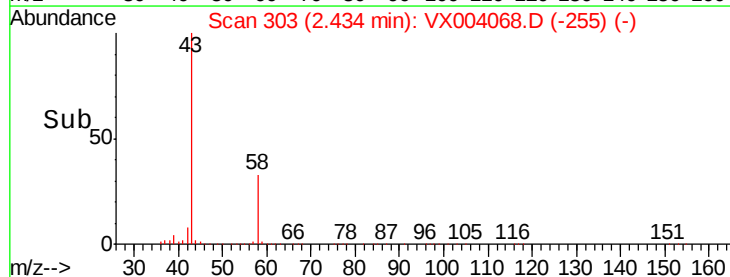
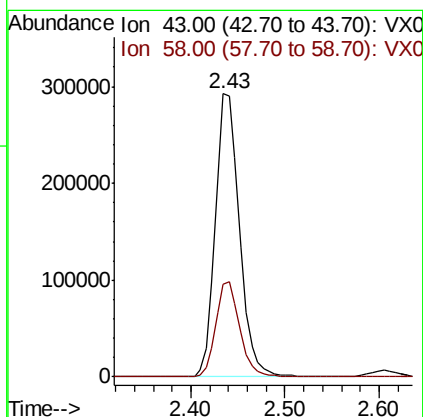
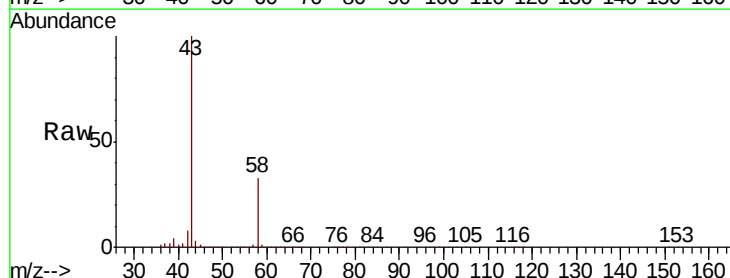
RT: 2.43 min Scan# 303

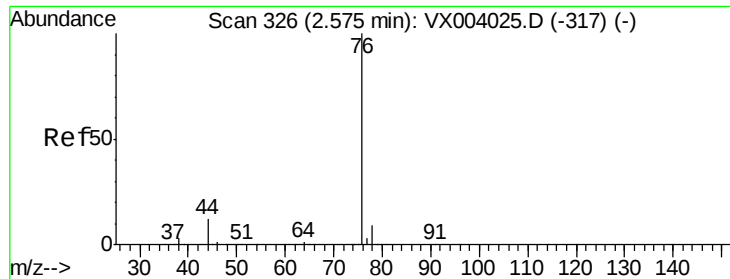
Delta R.T. -0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion:	43	Resp:	516490
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.4	39.6





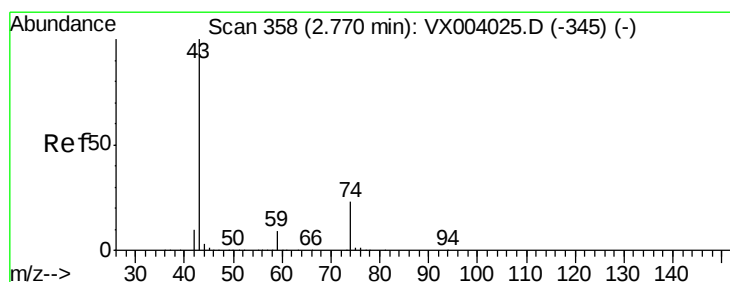
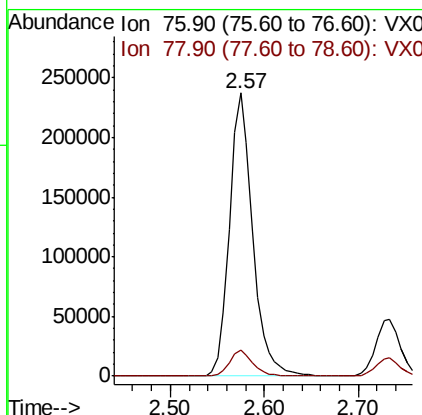
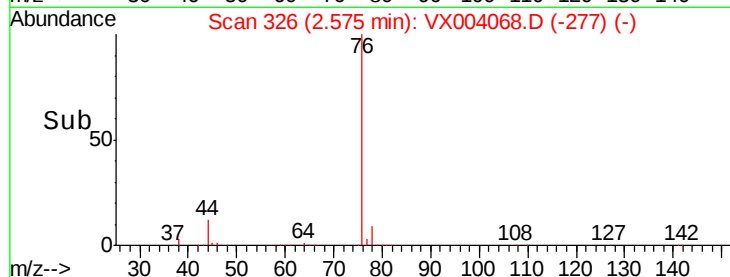
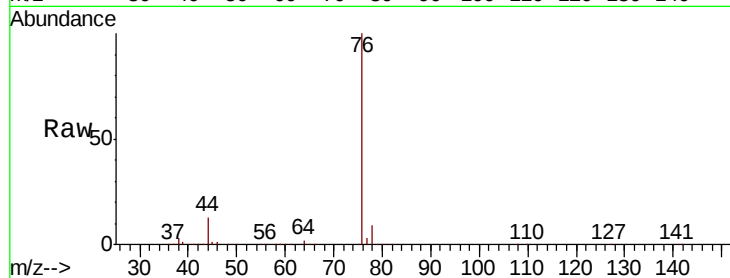
#17
Carbon Disulfide
Concen: 50.01 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

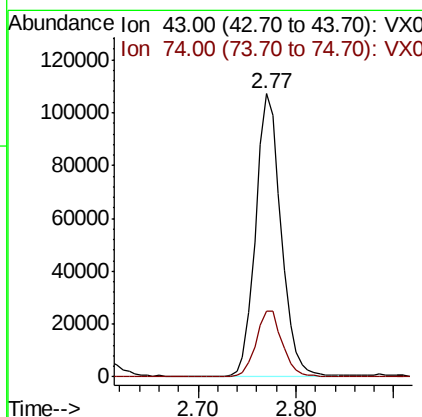
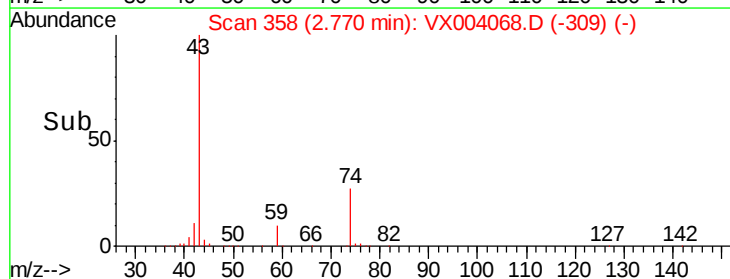
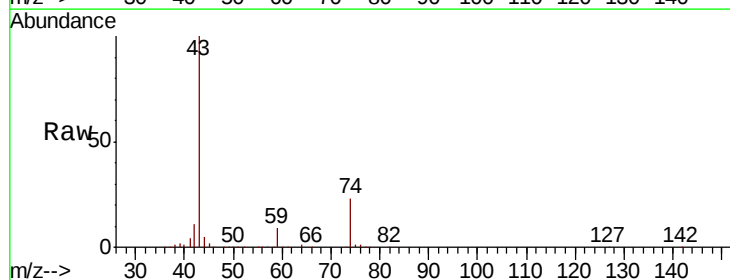
Manual Integrations
APPROVED

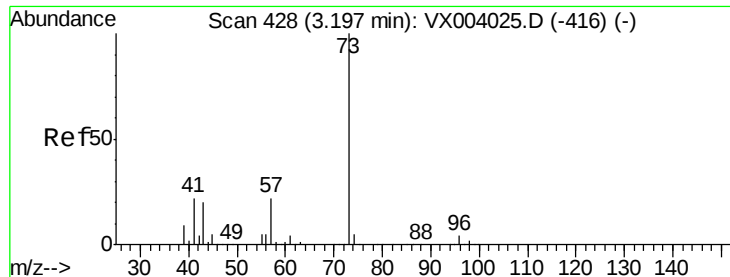
MMDadoda
8/15/2018 4:49:58 PM



#18
Methyl Acetate
Concen: 43.56 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.9	28.3





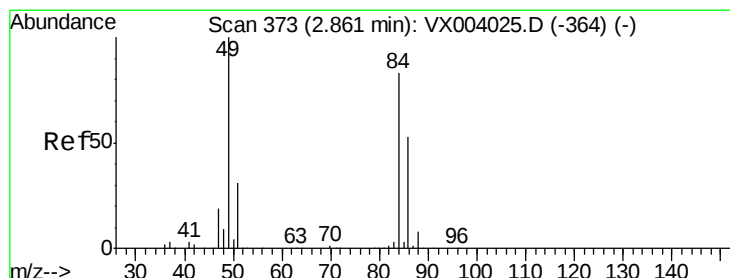
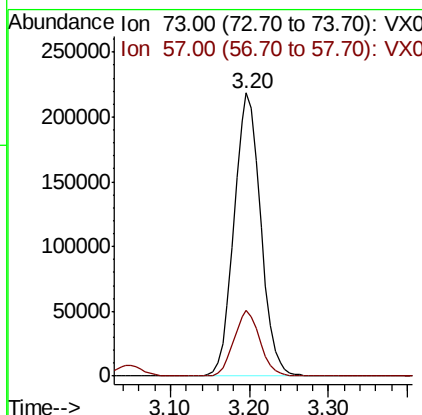
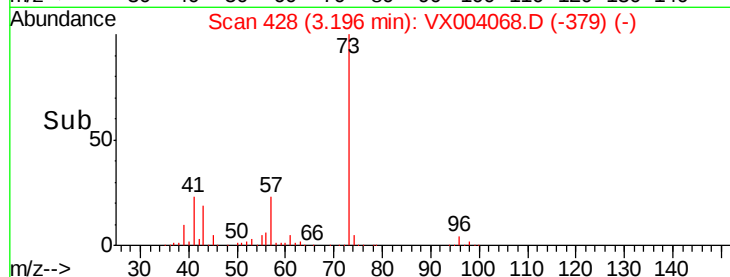
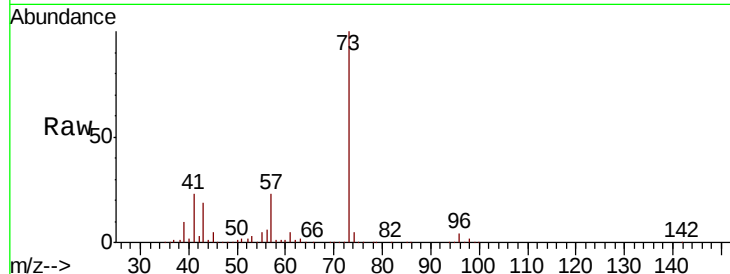
#19
Methvl tert-butvl Ether
Concen: 50.92 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.0	27.0

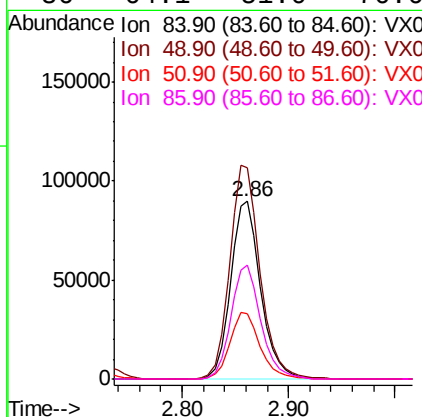
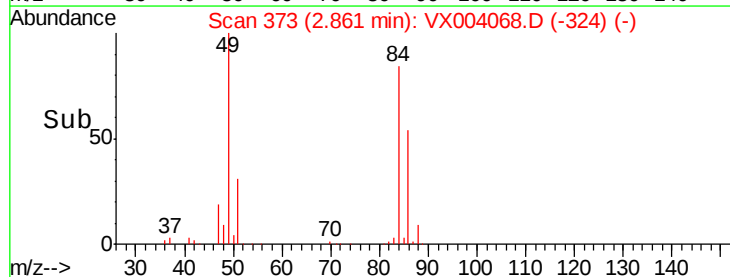
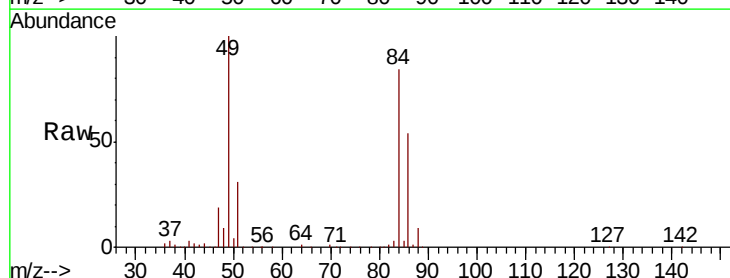
Manual Integrations
APPROVED

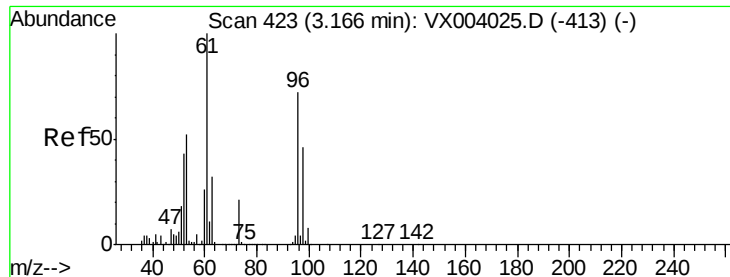
MMDadoda
8/15/2018 4:49:58 PM



#20
Methylene Chloride
Concen: 54.46 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	98.9	148.3
51	37.0	29.9	44.9
86	64.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.77 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 161732

Ion Ratio Lower Upper

96 100

61 140.2 111.8 167.6

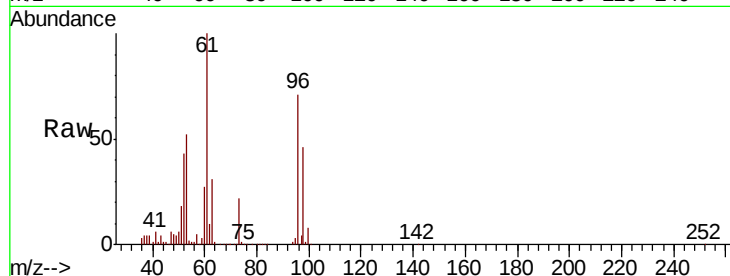
98 64.9 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM

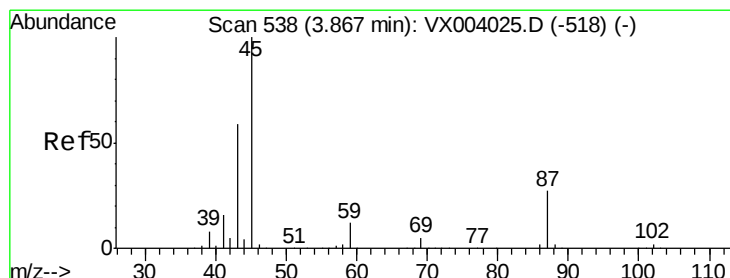
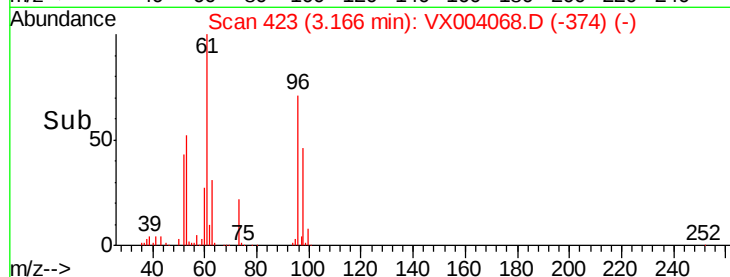
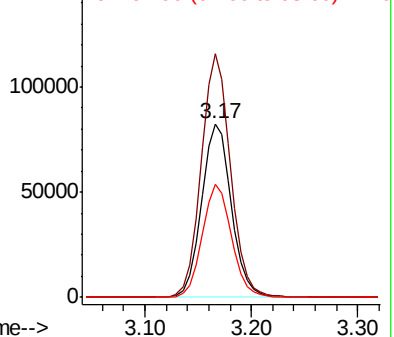


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.53 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion: 45 Resp: 528404

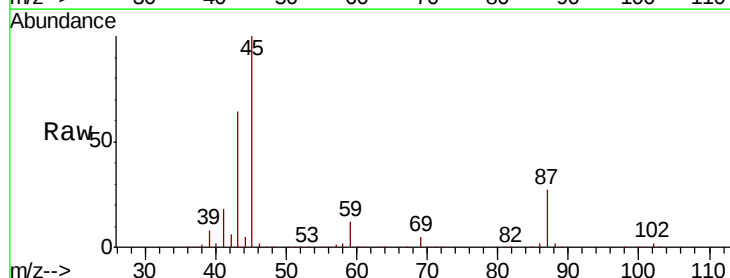
Ion Ratio Lower Upper

45 100

43 64.1 45.3 67.9

87 26.6 22.7 34.1

59 11.7 9.6 14.4



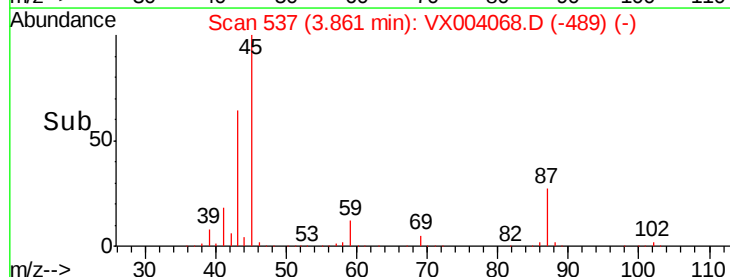
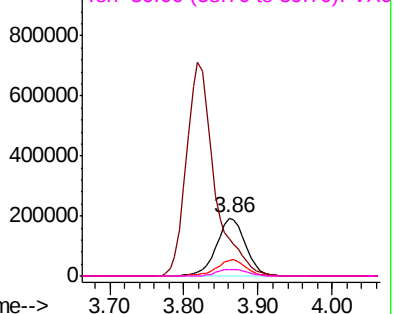
Abundance

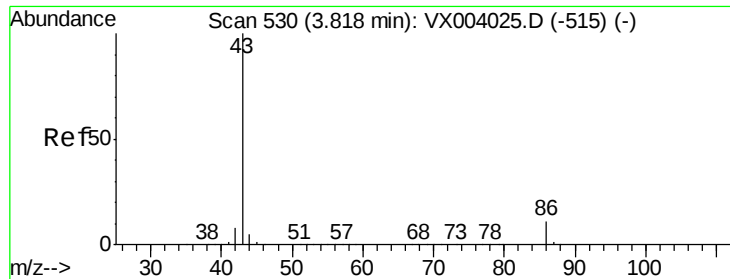
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 214.34 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1878165

Ion Ratio Lower Upper

43 100

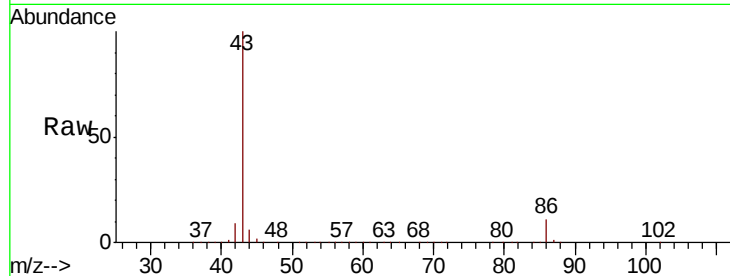
86 11.0 8.9 13.3

Manual Integrations

APPROVED

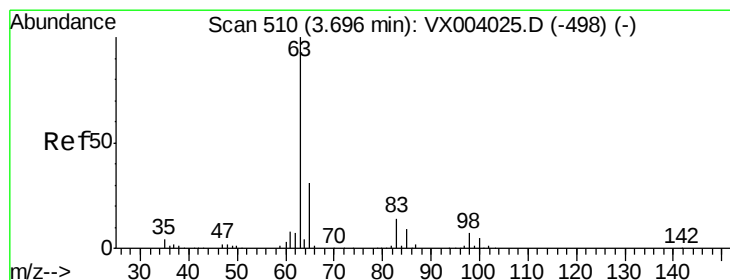
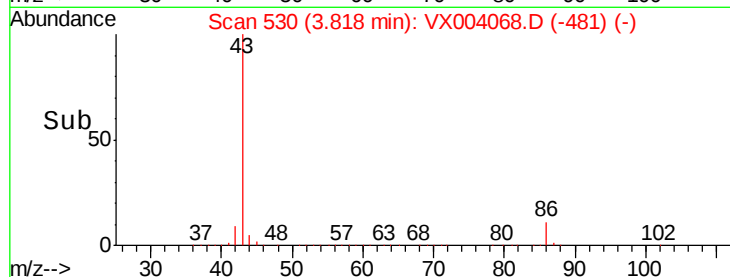
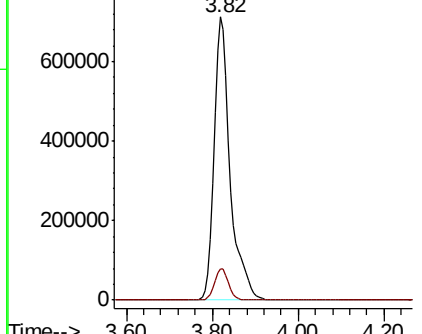
MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.47 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

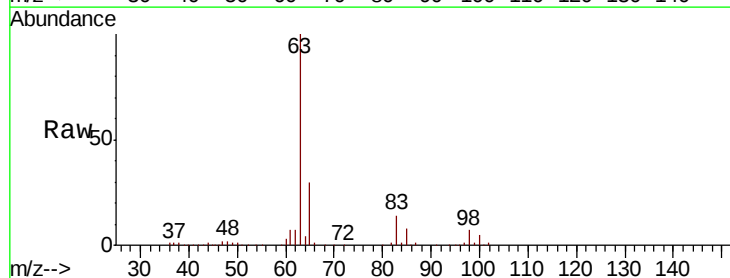
Tgt Ion: 63 Resp: 310997

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

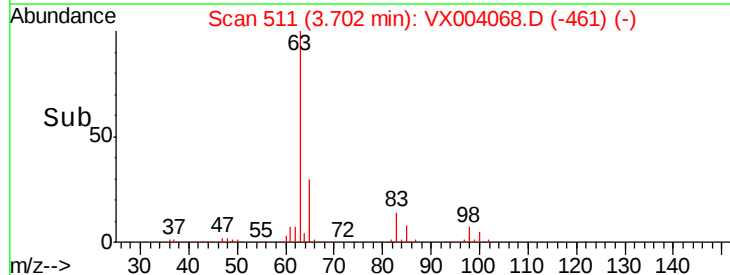
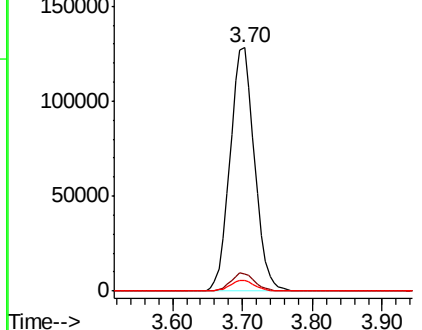
100 4.5 2.3 6.8

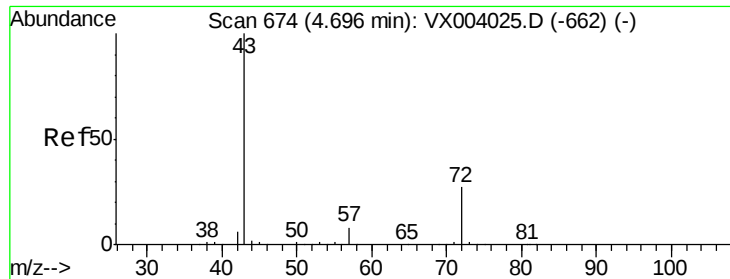


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 257.07 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 833400

Ion Ratio Lower Upper

43 100

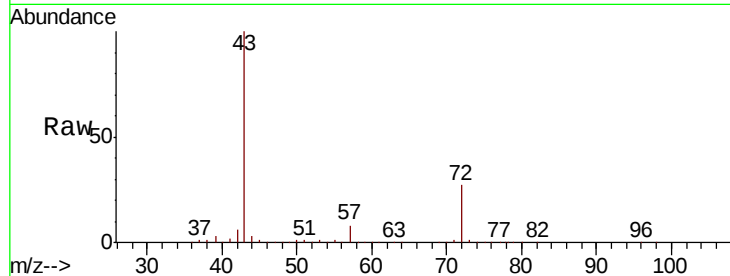
72 26.9 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

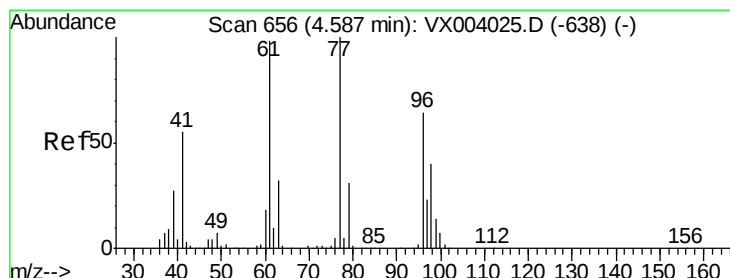
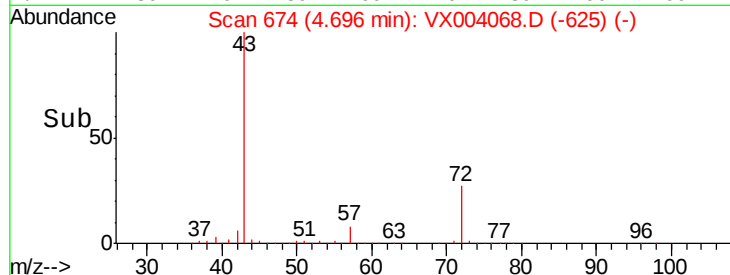
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 24.37 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004068.D

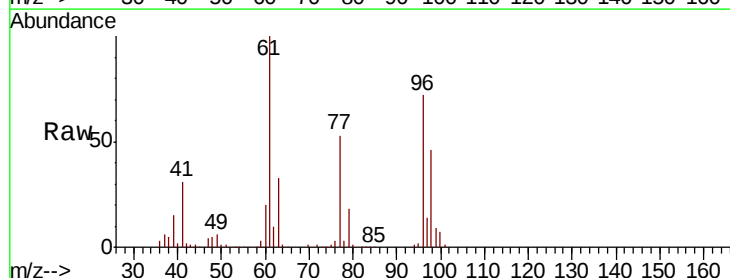
Acq: 15 Aug 2018 10:05

Tgt Ion: 77 Resp: 117067

Ion Ratio Lower Upper

77 100

97 26.1 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

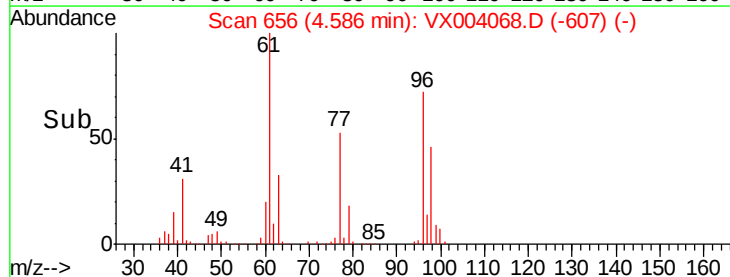
20000

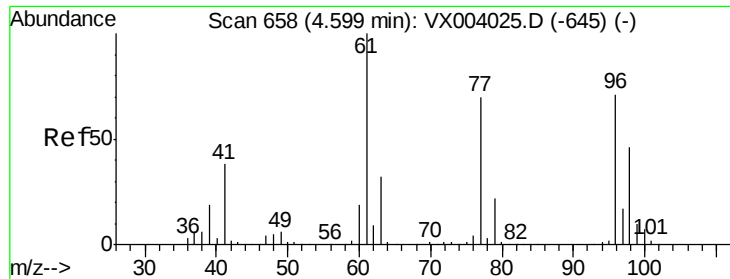
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

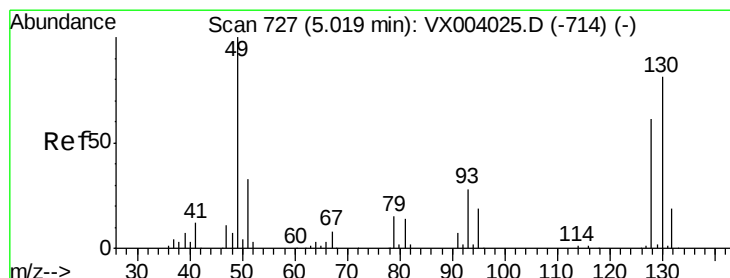
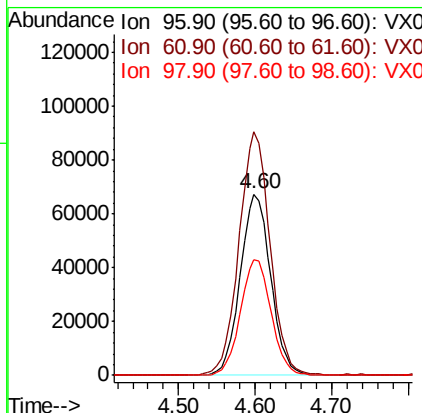
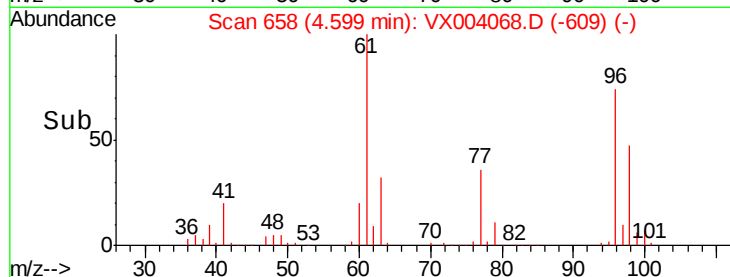
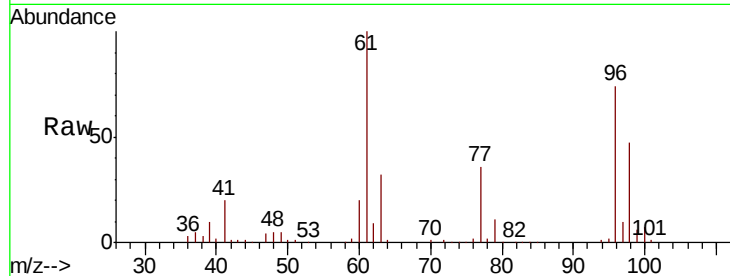
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	185818
Ion Ratio	Lower	Upper	
96	100		
61	137.5	0.0	293.0
98	64.4	0.0	131.8

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#28

Bromochloromethane

Concen: 54.28 ug/l

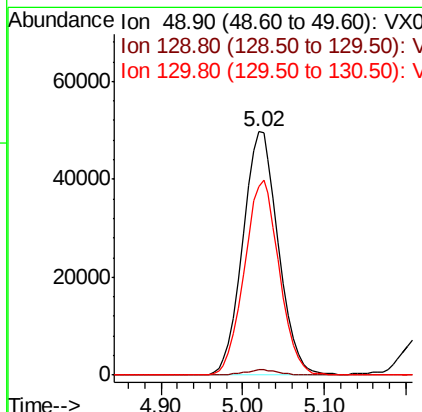
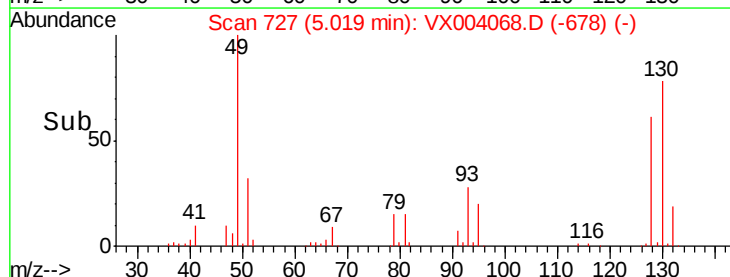
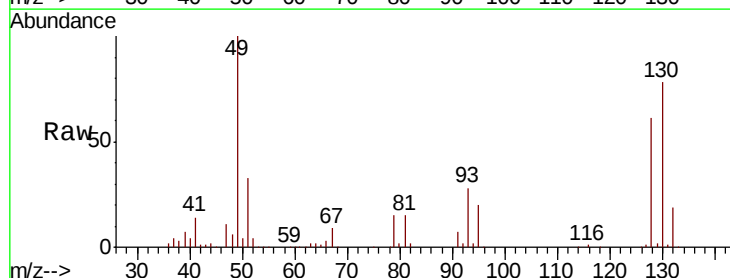
RT: 5.02 min Scan# 727

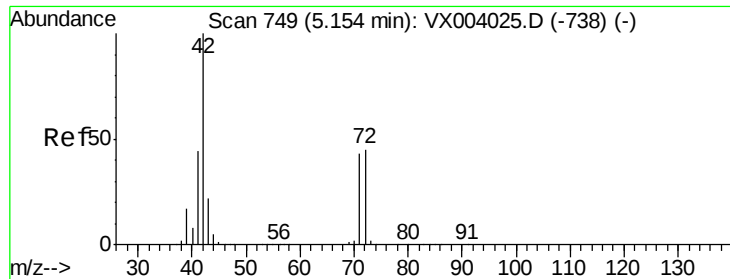
Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion:	49	Resp:	150495
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.2
130	78.6	66.5	99.7





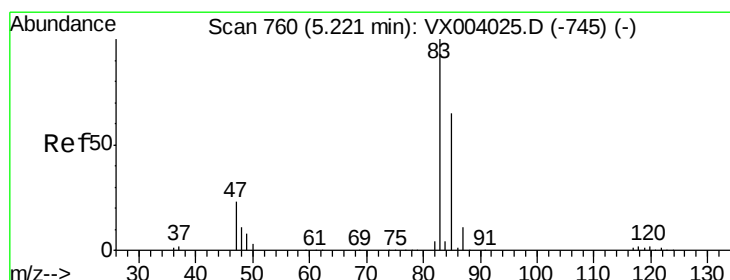
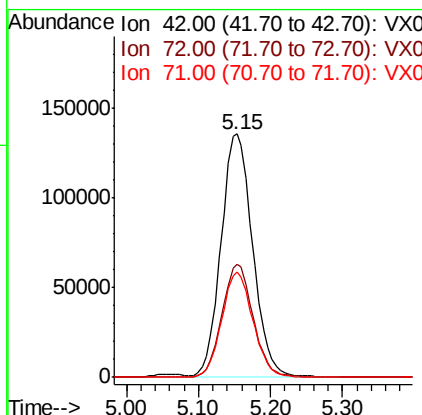
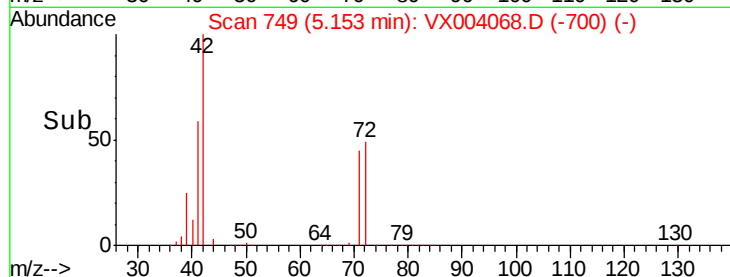
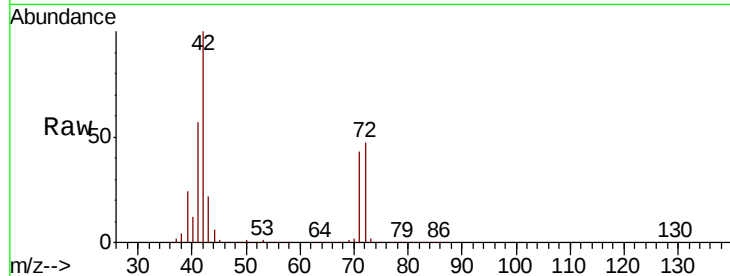
#29
Tetrahydrofuran
Concen: 248.37 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.7	56.5
71	42.9	35.0	52.6

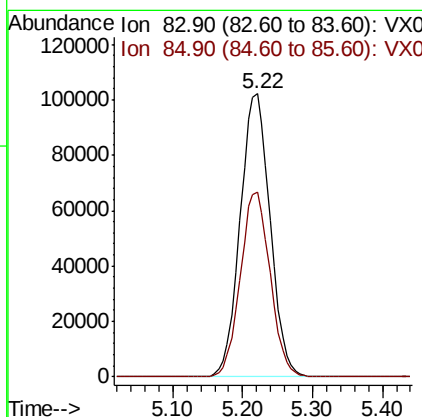
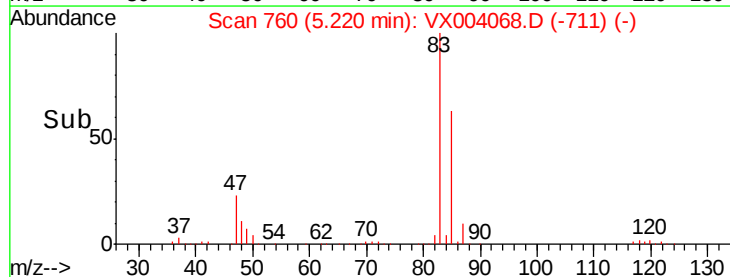
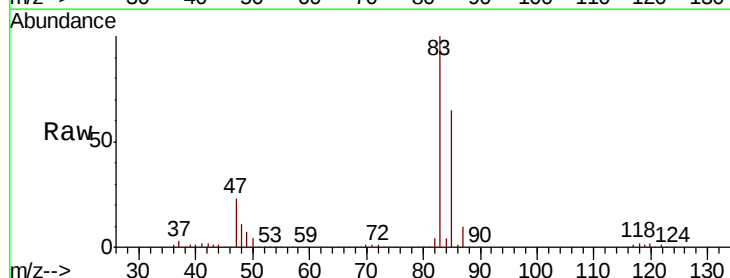
Manual Integrations
APPROVED

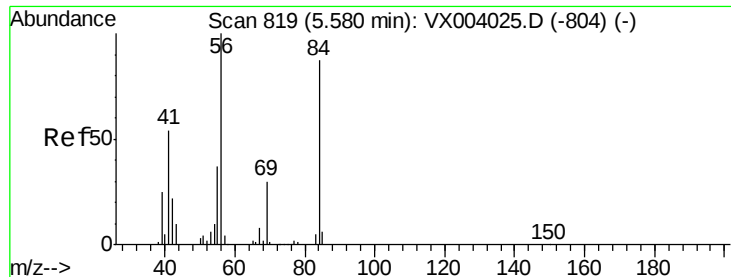
MMDadoda
8/15/2018 4:49:58 PM



#30
Chloroform
Concen: 51.51 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





#31

Cyclohexane

Concen: 46.85 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 248155

Ion Ratio Lower Upper

56 100

69 30.8 24.9 37.3

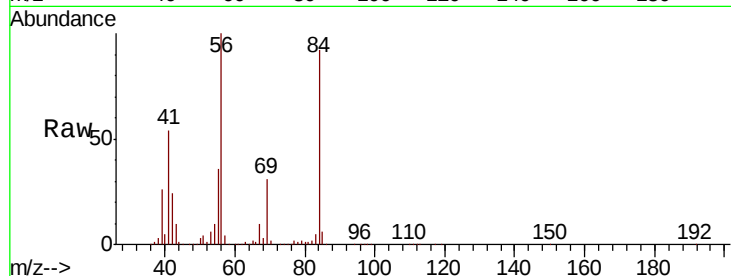
84 91.0 71.7 107.5

Manual Integrations

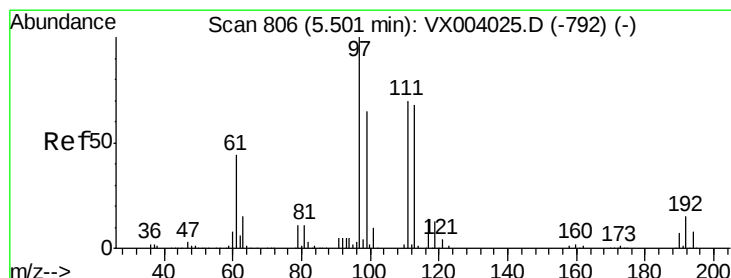
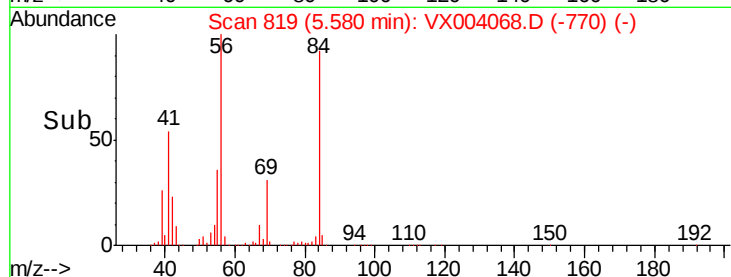
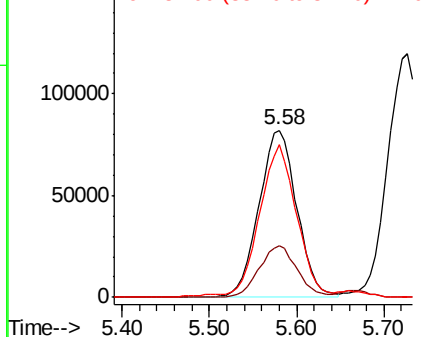
APPROVED

MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.36 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

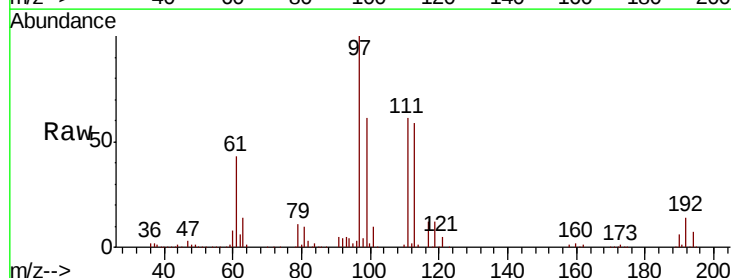
Tgt Ion: 97 Resp: 253094

Ion Ratio Lower Upper

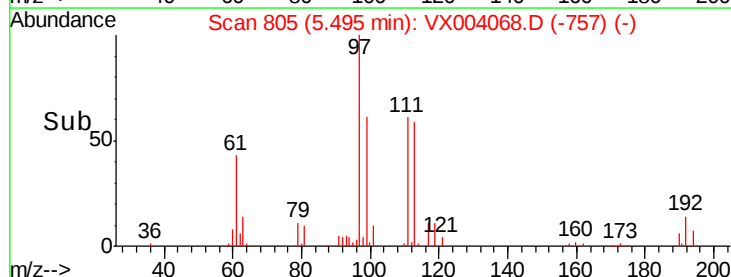
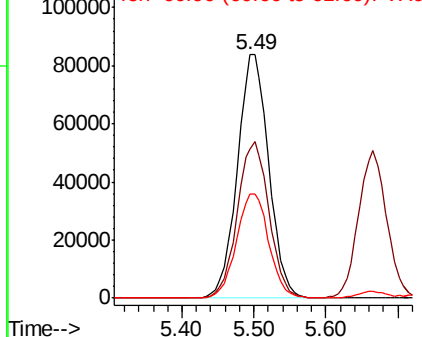
97 100

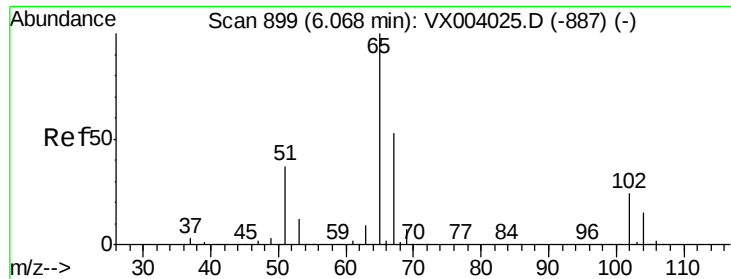
99 64.8 51.8 77.8

61 44.4 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





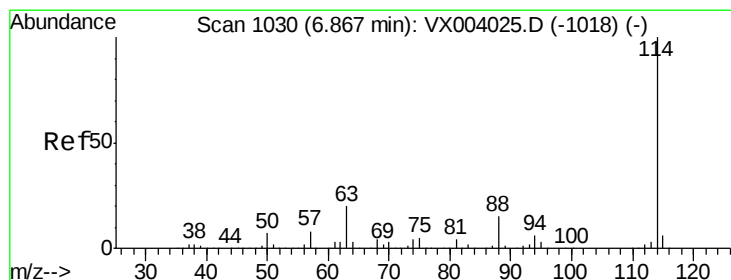
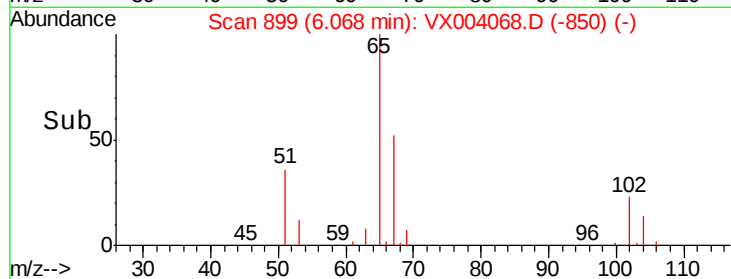
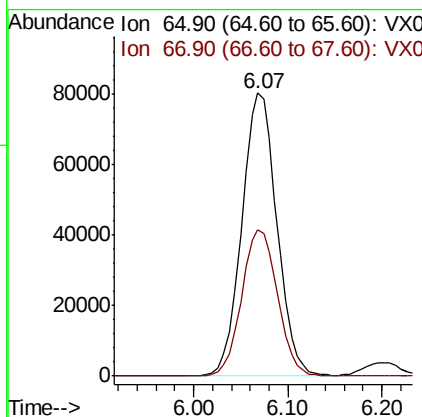
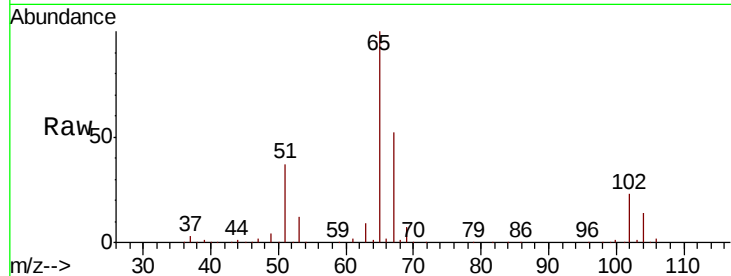
#33
 1,2-Dichloroethane-d4
 Concen: 54.69 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209589		
67	52.8	0.0	105.8	

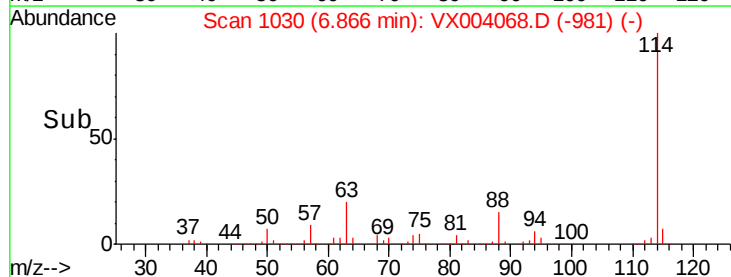
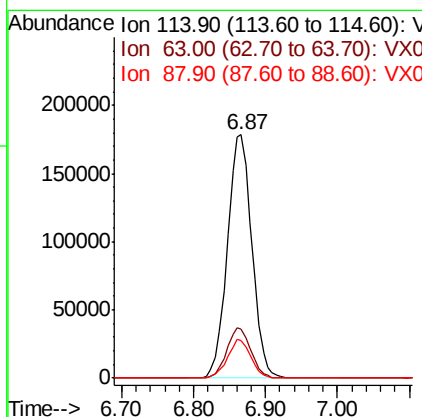
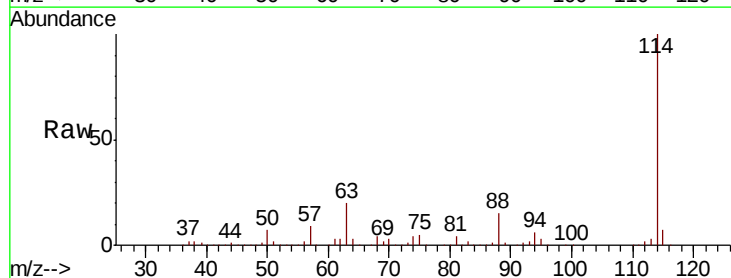
Manual Integrations
 APPROVED

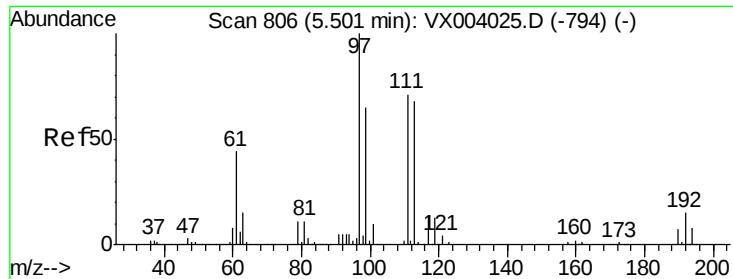
MMDadoda
 8/15/2018 4:49:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422357		
63	20.4	0.0	39.0	
88	15.4	0.0	32.0	





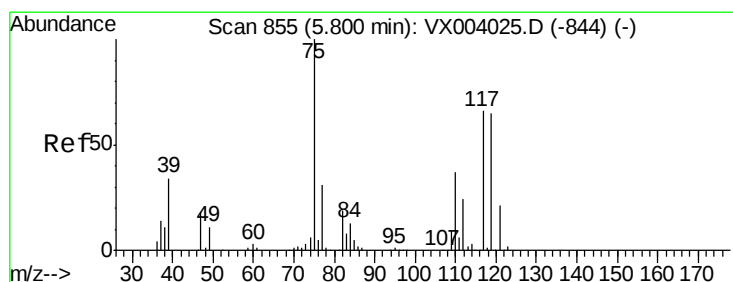
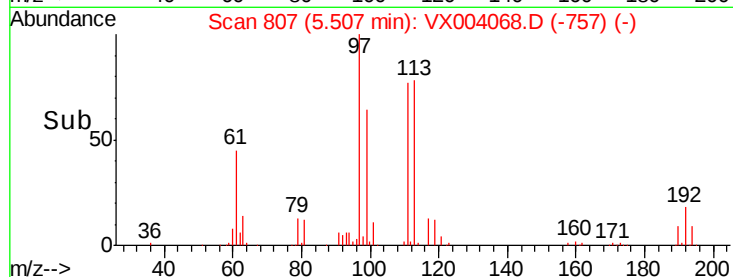
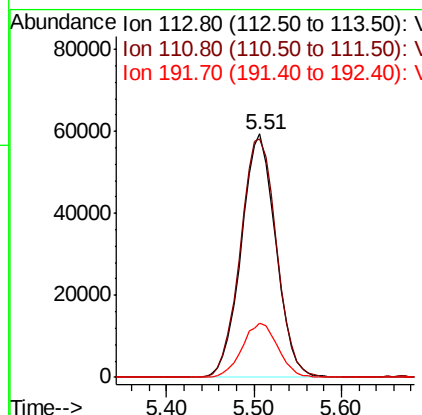
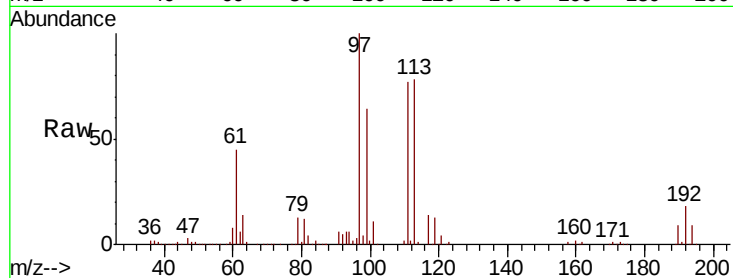
#35
 Dibromofluoromethane
 Concen: 51.54 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162929		
111	102.7	82.0	123.0	
192	23.2	19.0	28.4	

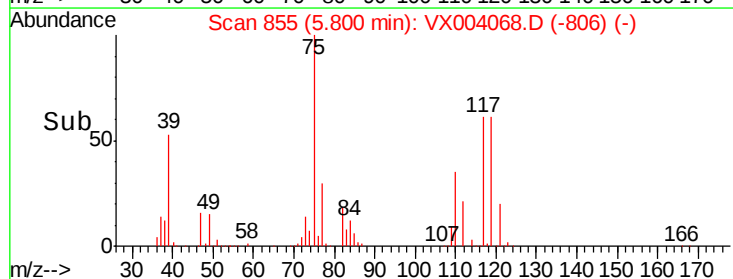
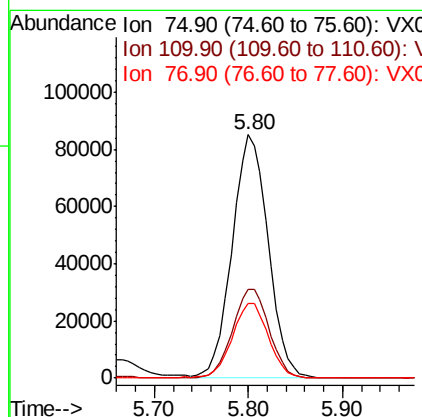
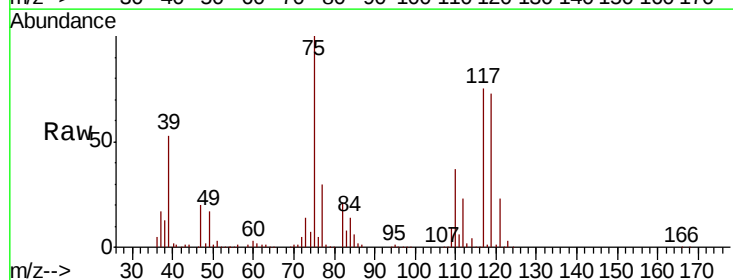
Manual Integrations
 APPROVED

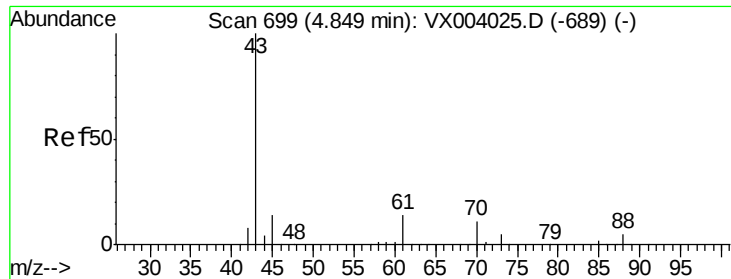
MMDadoda
 8/15/2018 4:49:58 PM



#36
 1,1-Dichloropropene
 Concen: 47.19 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226785		
110	37.1	18.2	54.6	
77	31.5	25.0	37.4	





#37

Ethyl Acetate

Concen: 40.25 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

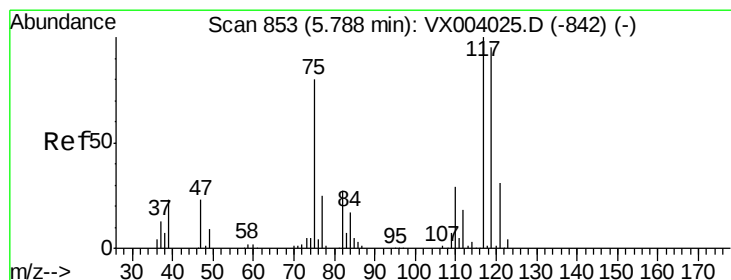
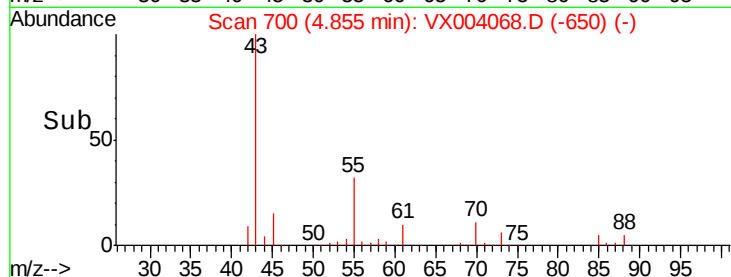
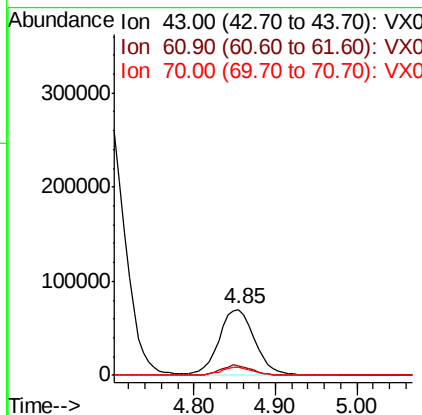
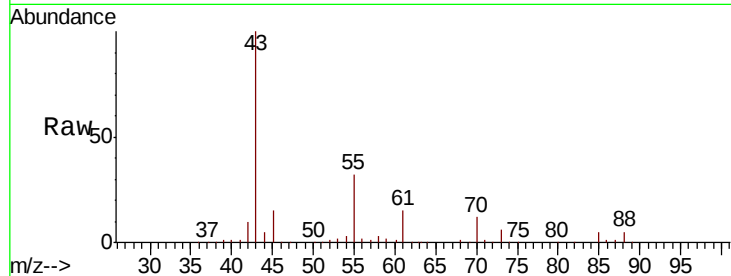
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	210658
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	11.4	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#38

Carbon Tetrachloride

Concen: 51.21 ug/l

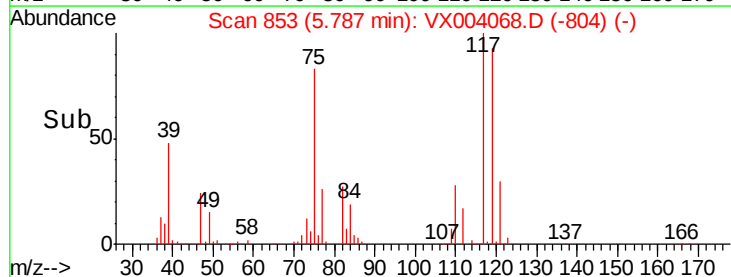
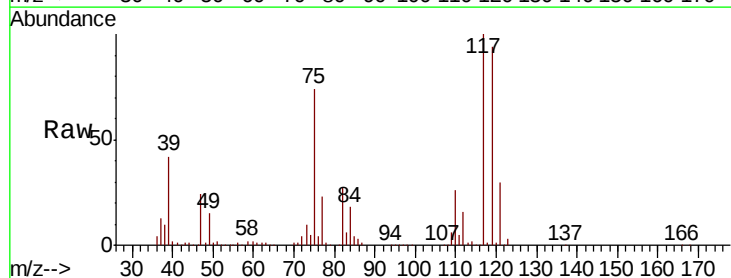
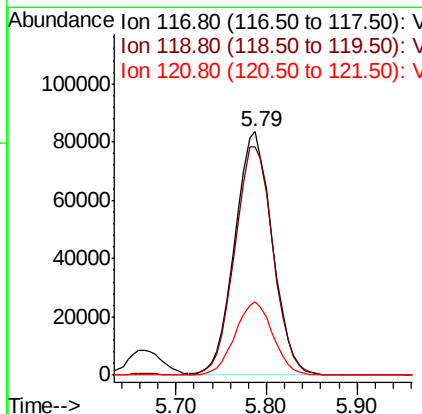
RT: 5.79 min Scan# 853

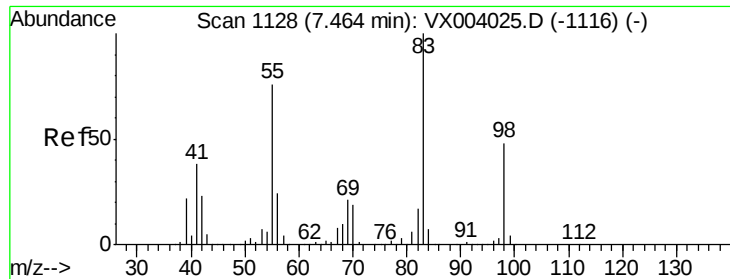
Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion:	117	Resp:	239124
Ion	Ratio	Lower	Upper
117	100		
119	93.8	79.5	119.3
121	30.2	25.0	37.4





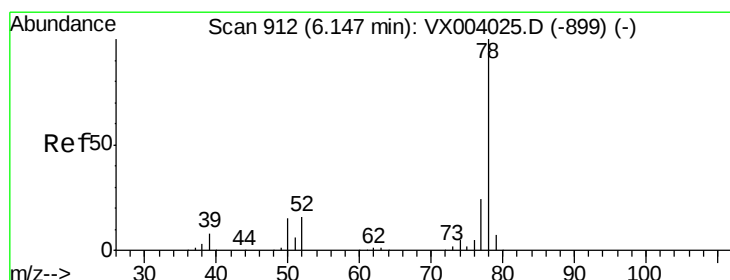
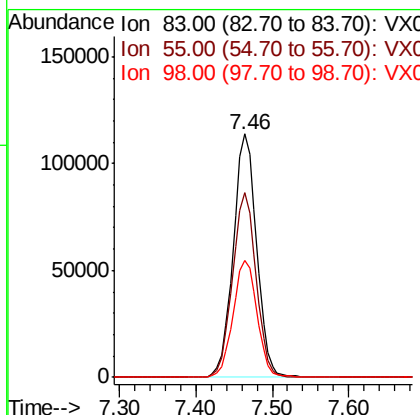
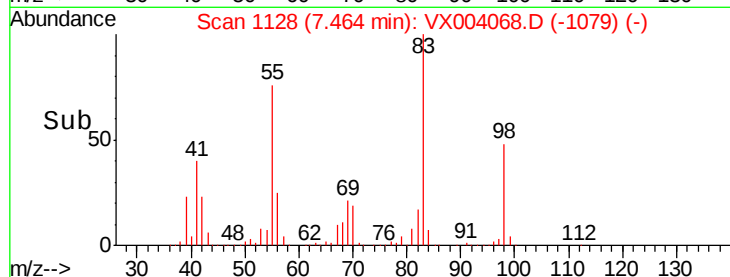
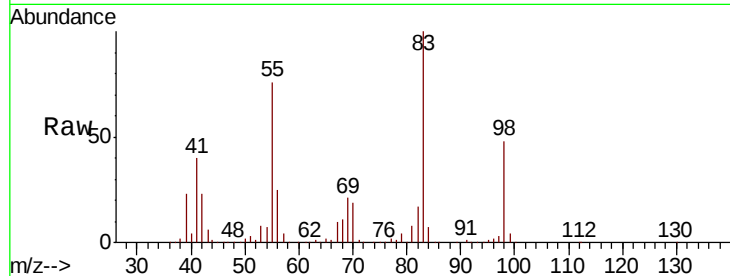
#39
Methvlcvclohexane
Concen: 44.16 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.0	91.6
98	47.8	38.6	57.8

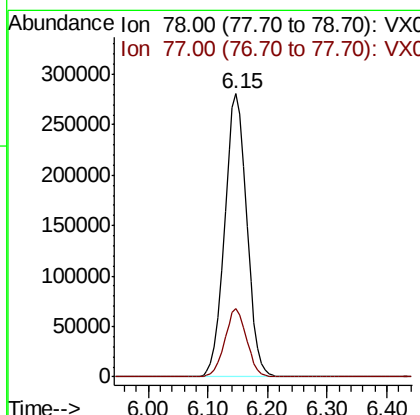
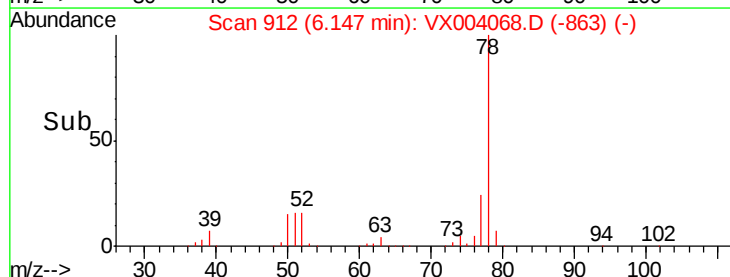
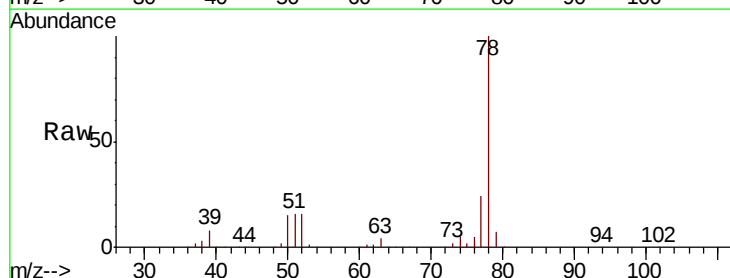
Manual Integrations
APPROVED

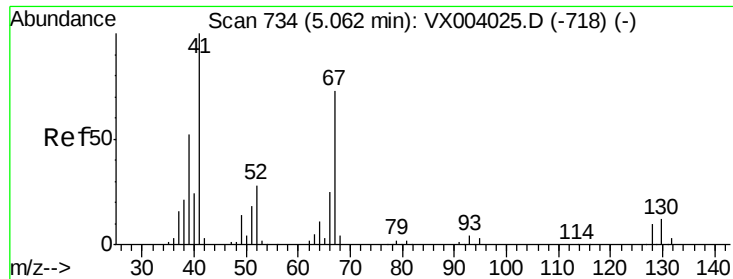
MMDadoda
8/15/2018 4:49:58 PM



#40
Benzene
Concen: 50.19 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 46.78 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

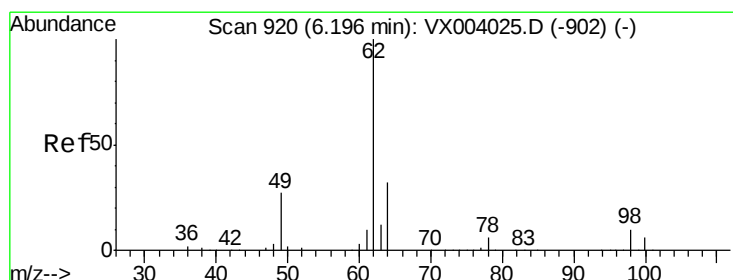
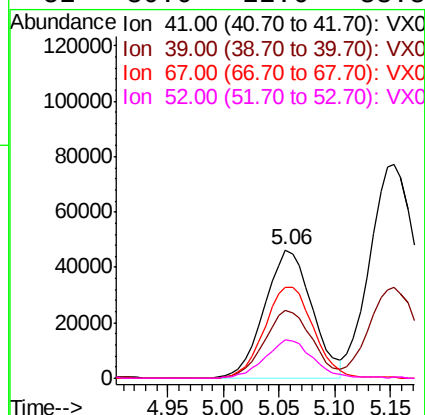
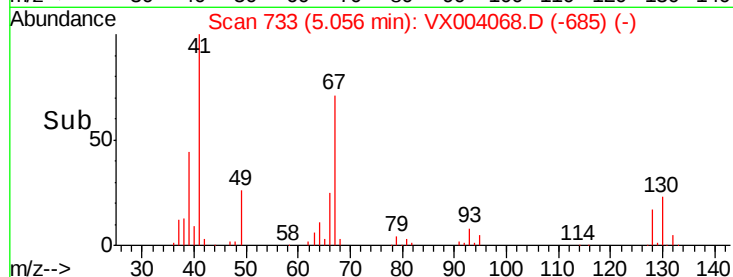
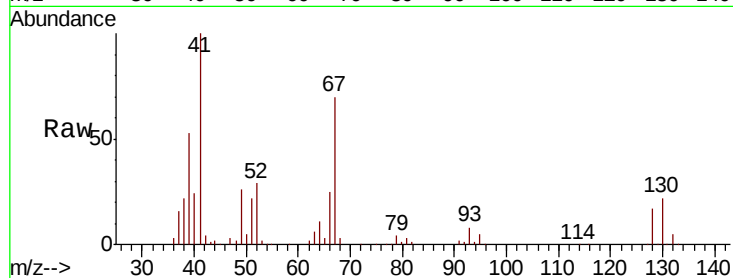
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.7	64.1	
67	73.8	58.9	88.3	
52	30.0	22.6	33.8	

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#42

1,2-Dichloroethane

Concen: 50.34 ug/l

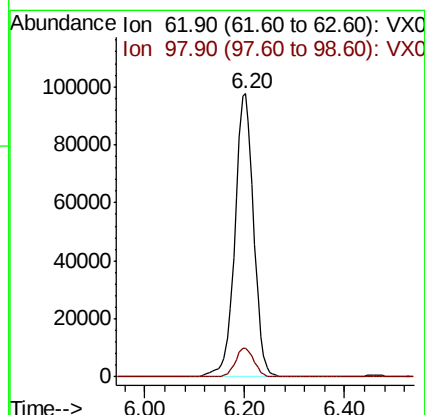
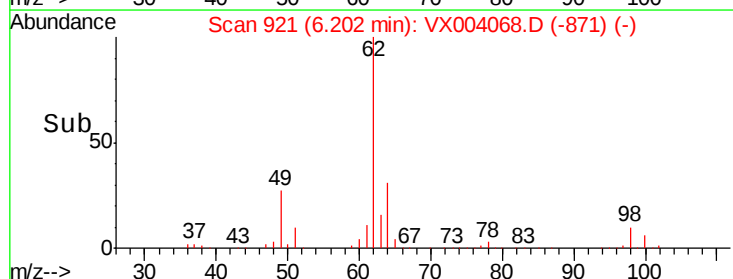
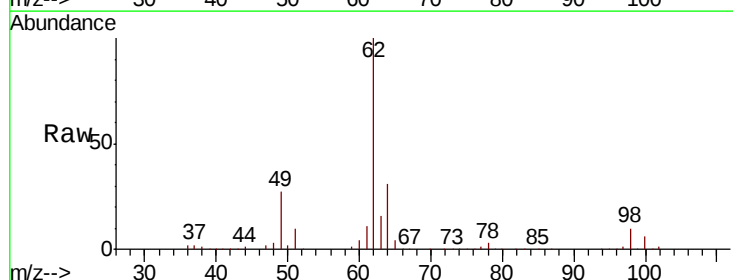
RT: 6.20 min Scan# 921

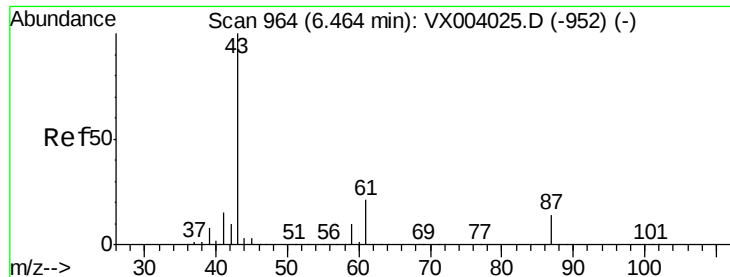
Delta R.T. 0.01 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.4	





#43

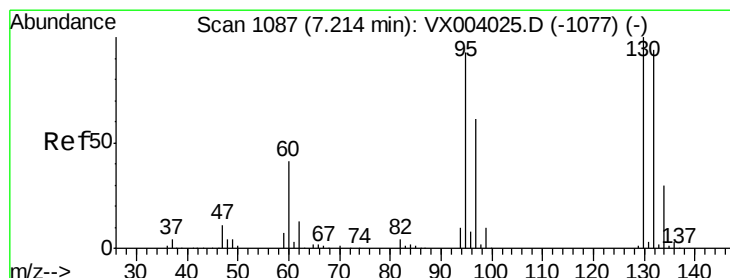
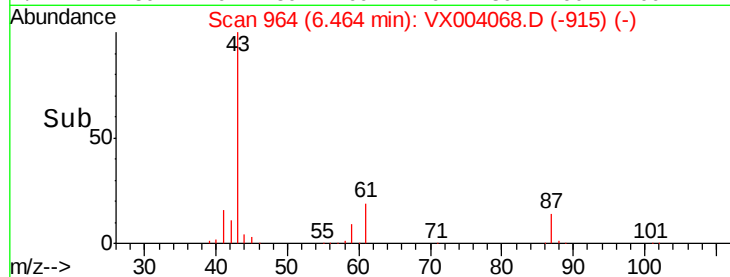
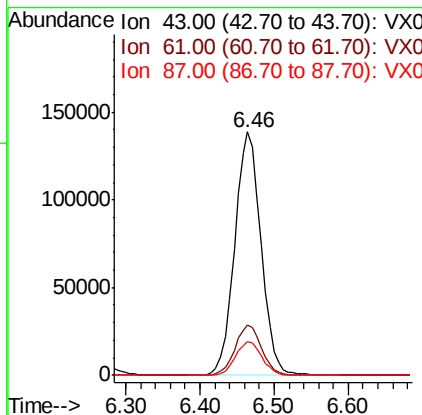
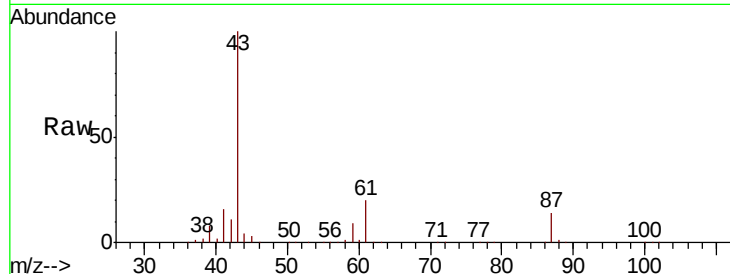
Isopropyl Acetate
 Concen: 44.35 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
 APPROVED

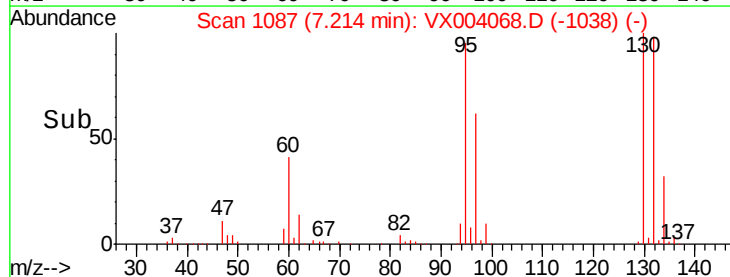
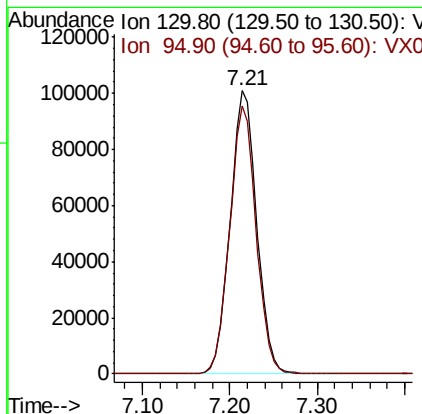
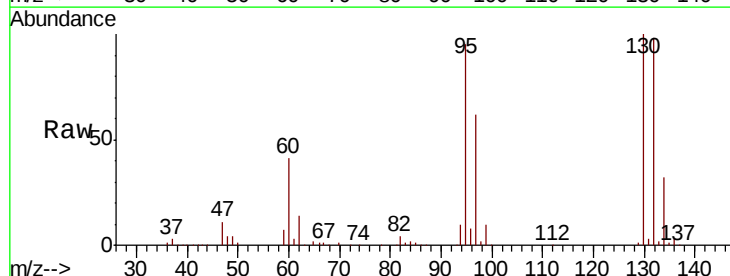
MMDadoda
 8/15/2018 4:49:58 PM

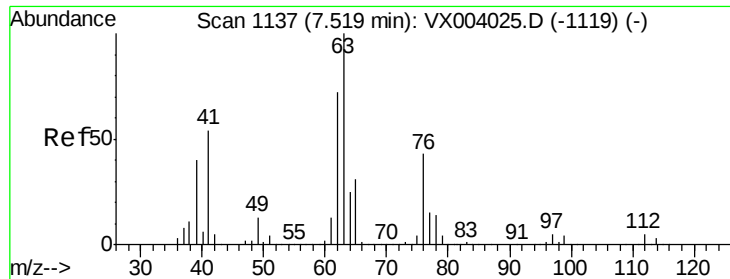


#44

Trichloroethene
 Concen: 54.53 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	199.4





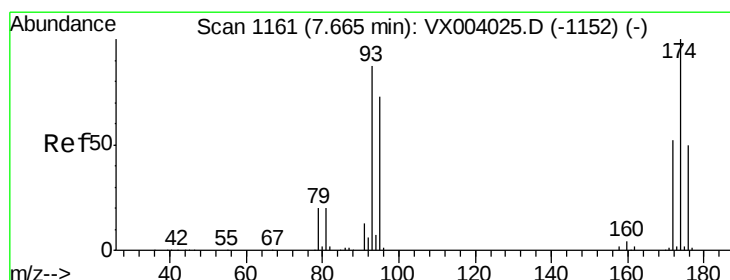
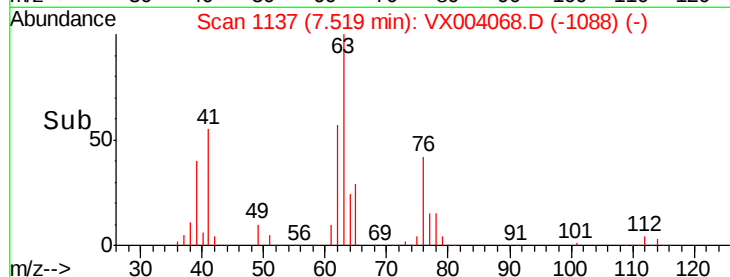
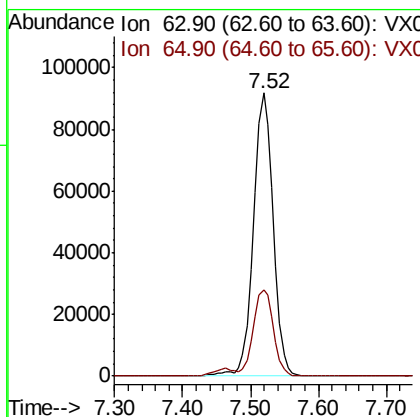
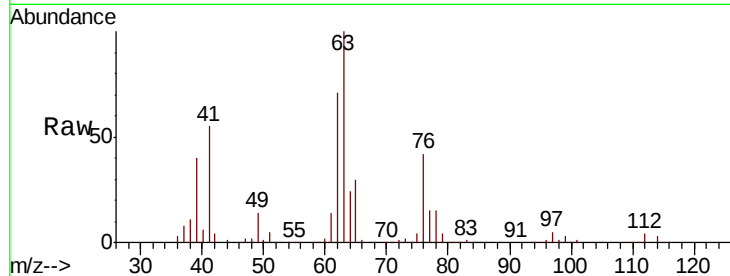
#45
 1,2-Dichloropropane
 Concen: 50.39 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	36.8

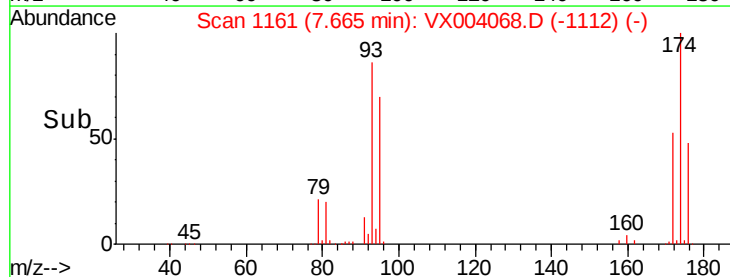
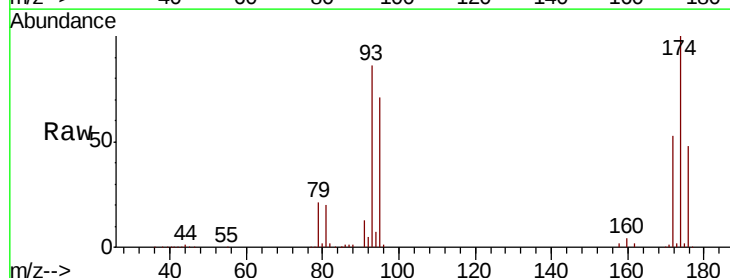
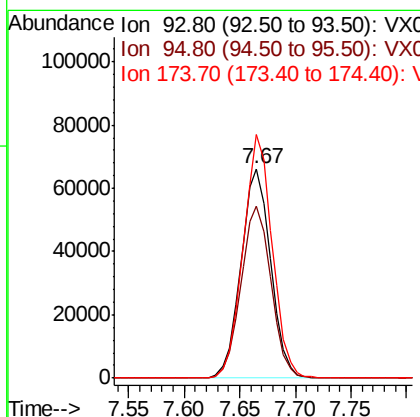
Manual Integrations
 APPROVED

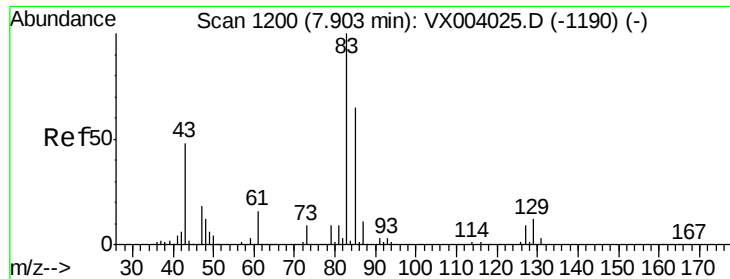
MMDadoda
 8/15/2018 4:49:58 PM



#46
 Dibromomethane
 Concen: 50.76 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	113.7	94.3	141.5





#47

Bromodichloromethane

Concen: 51.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

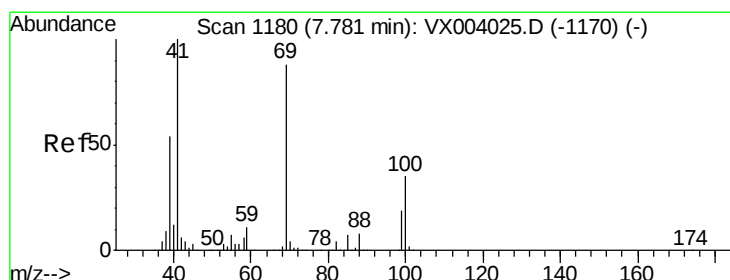
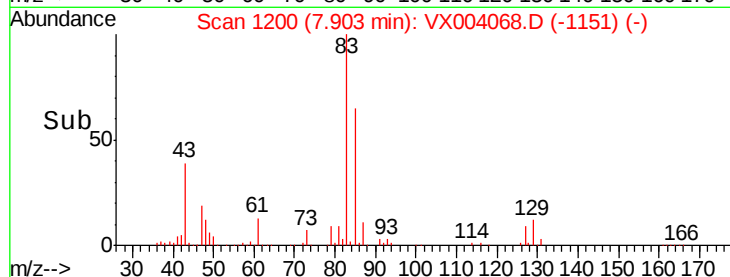
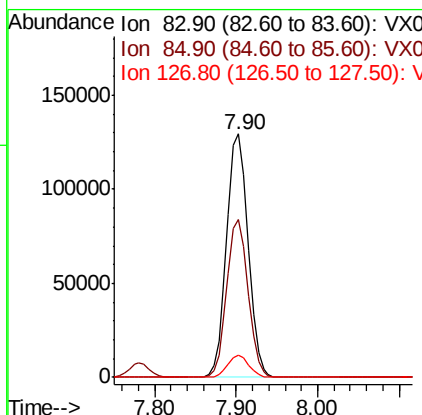
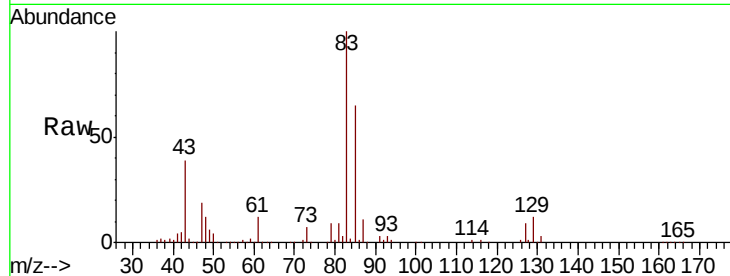
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	235189
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.2	76.8
127	9.0	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#48

Methyl methacrylate

Concen: 51.99 ug/l

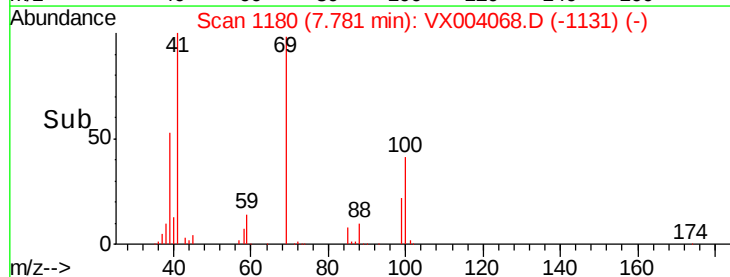
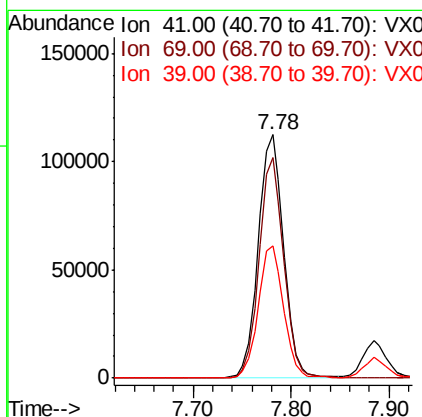
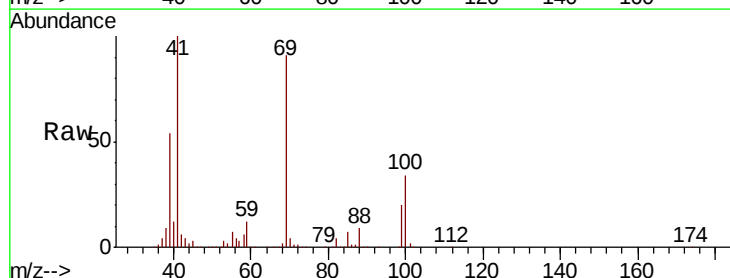
RT: 7.78 min Scan# 1180

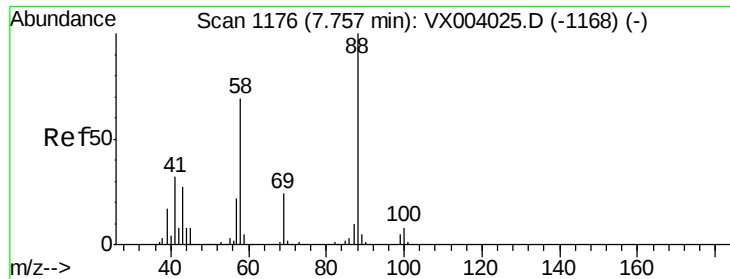
Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion:	41	Resp:	201890
Ion Ratio	Lower	Upper	
41	100		
69	88.1	68.8	103.2
39	54.2	42.3	63.5





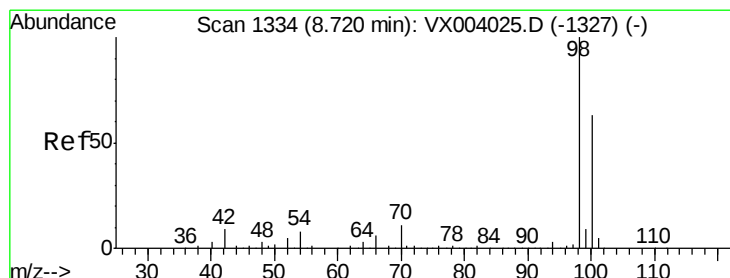
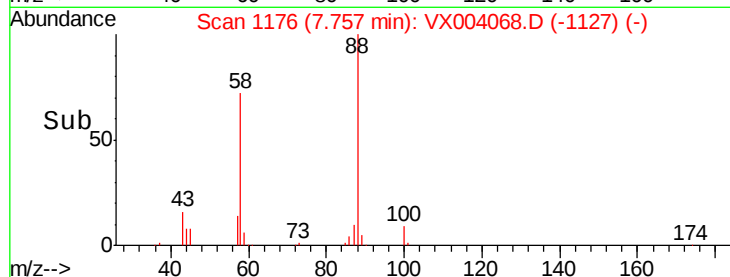
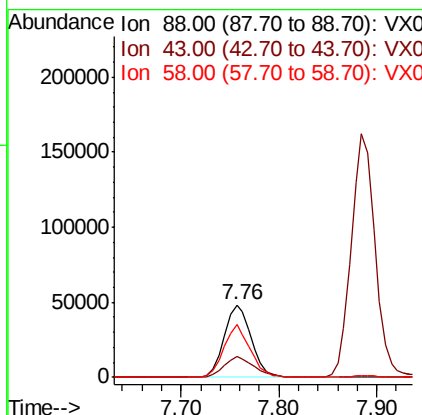
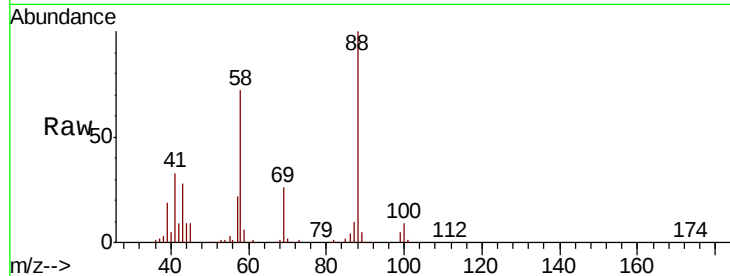
#49
 1,4-Dioxane
 Concen: 1058.43 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	23.8	35.8
58	70.4	55.4	83.0

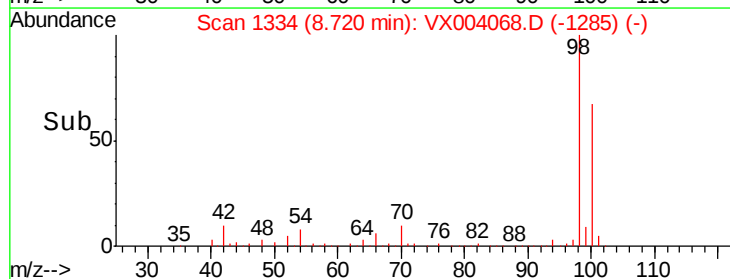
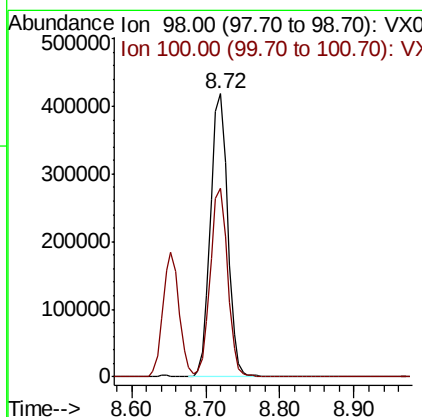
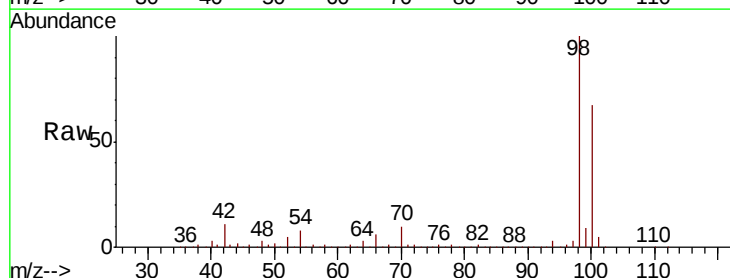
Manual Integrations
 APPROVED

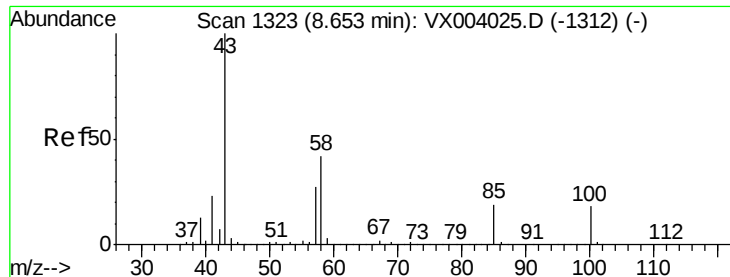
MMDadoda
 8/15/2018 4:49:58 PM



#50
 Toluene-d8
 Concen: 52.11 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 263.90 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1669324

Ion Ratio Lower Upper

43 100

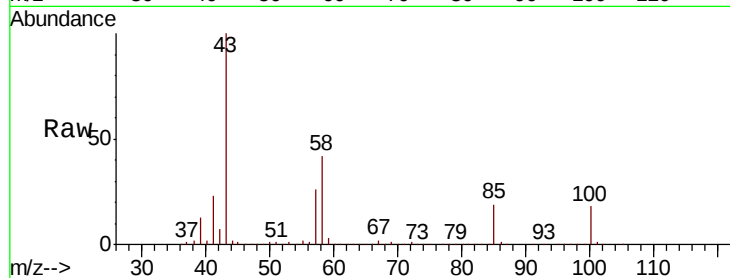
58 41.1 33.0 49.6

Manual Integrations

APPROVED

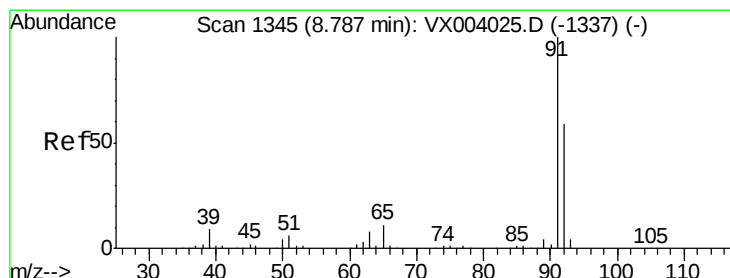
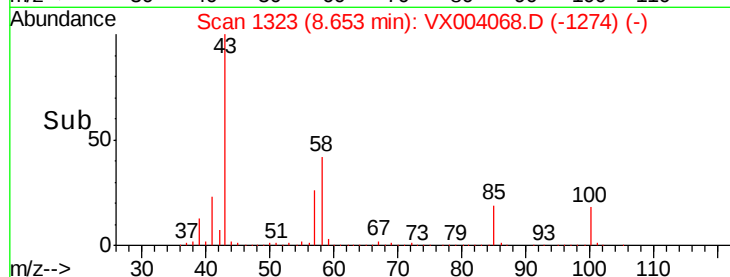
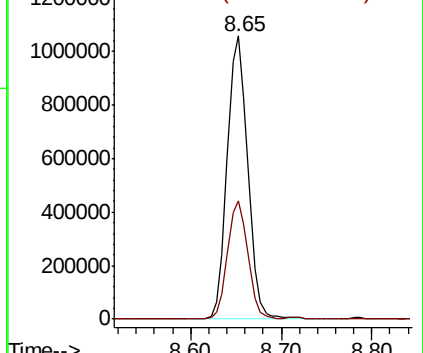
MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.95 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004068.D

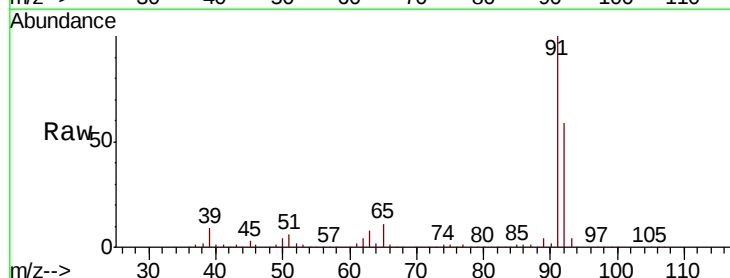
Acq: 15 Aug 2018 10:05

Tgt Ion: 92 Resp: 465039

Ion Ratio Lower Upper

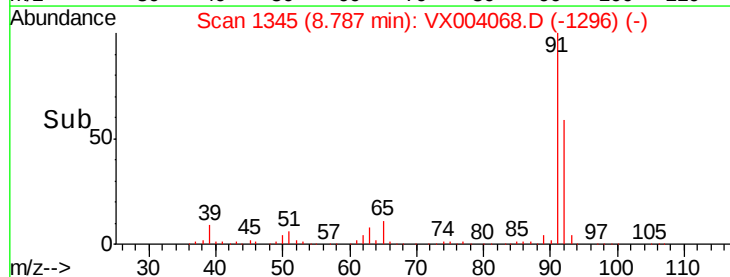
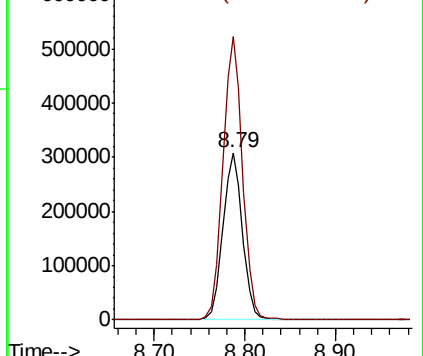
92 100

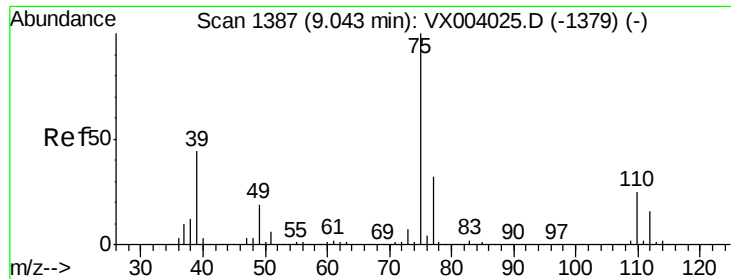
91 170.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





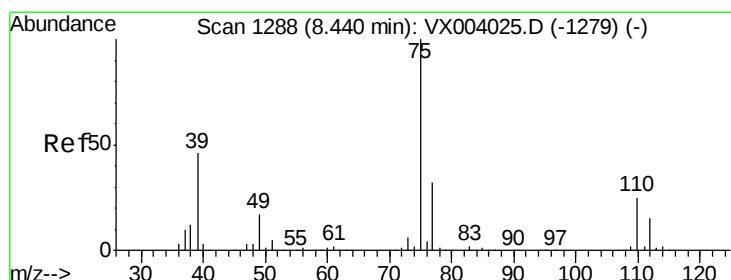
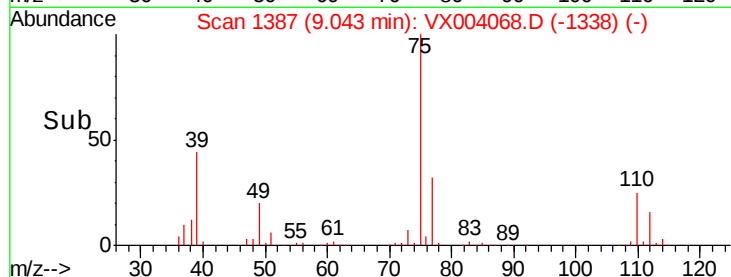
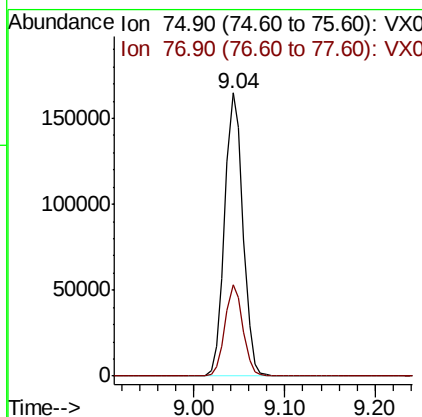
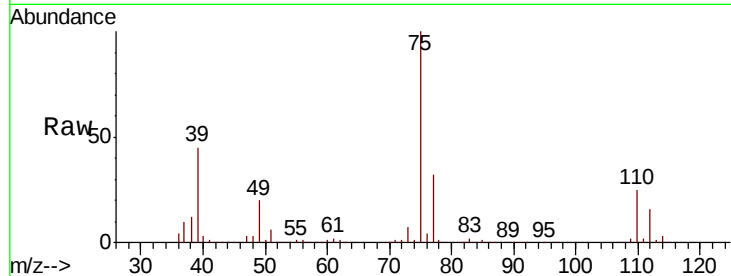
#53
t-1,3-Dichloropropene
Concen: 46.90 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 231662
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

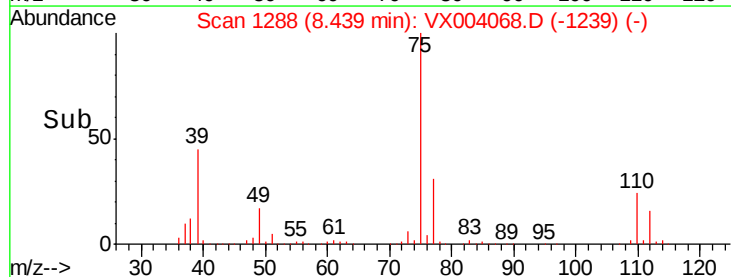
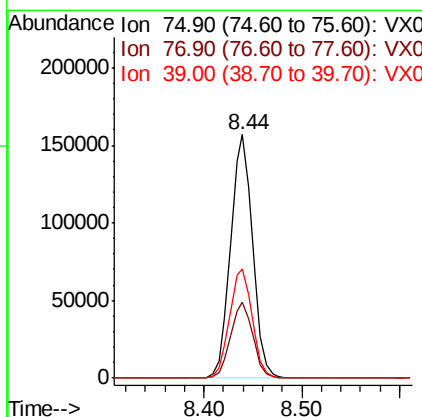
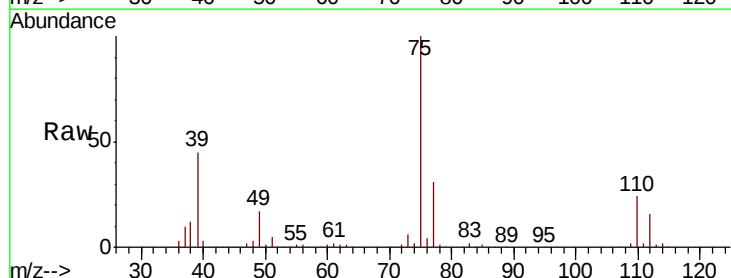
Manual Integrations
APPROVED

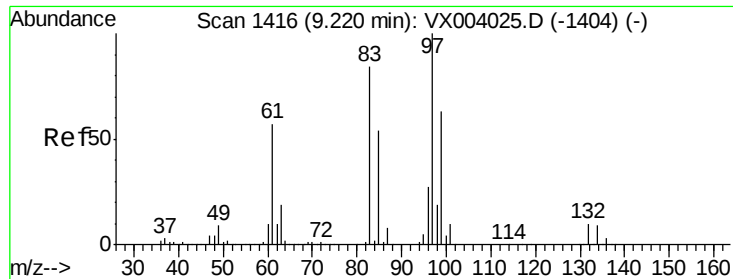
MMDadoda
8/15/2018 4:49:58 PM



#54
cis-1,3-Dichloropropene
Concen: 44.56 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion: 75 Resp: 243769
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 44.9 36.2 54.2





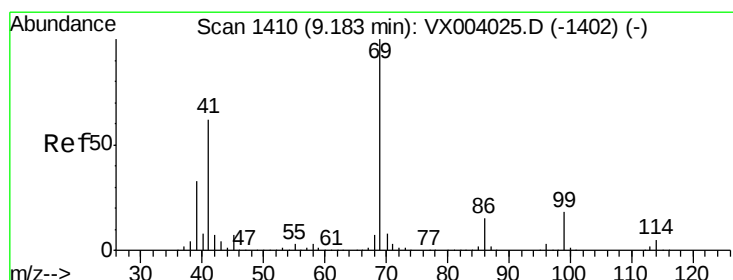
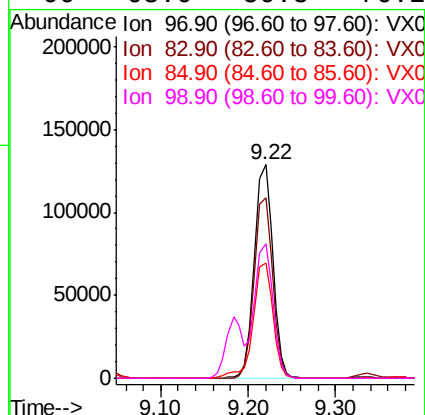
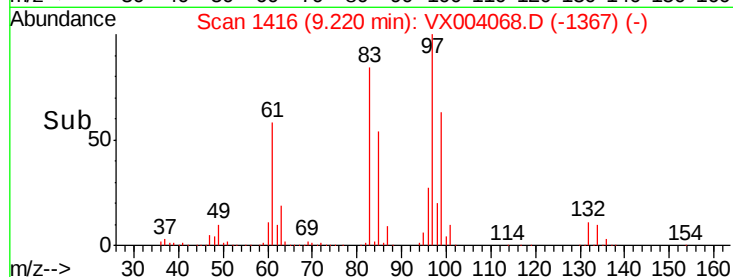
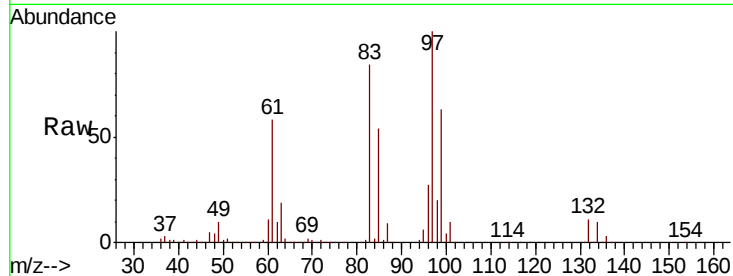
#55
1,1,2-Trichloroethane
Concen: 50.00 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	188472
Ion Ratio	Lower	Upper	
97	100		
83	84.4	67.8	101.6
85	54.1	44.2	66.2
99	63.0	50.8	76.2

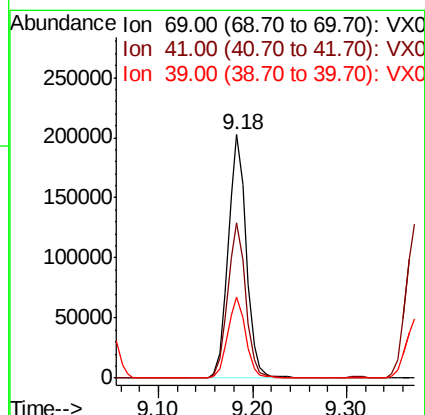
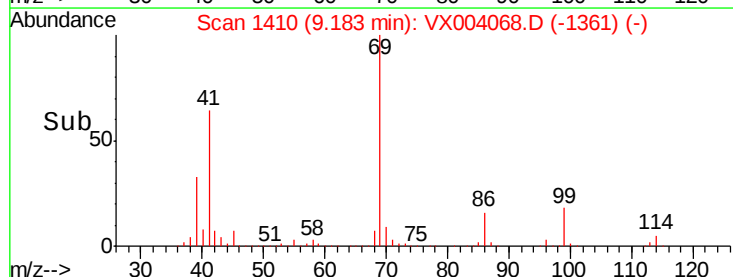
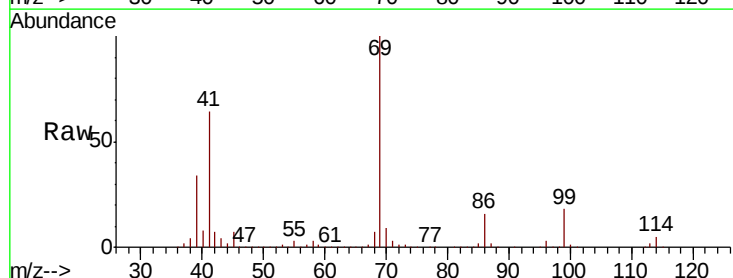
Manual Integrations
APPROVED

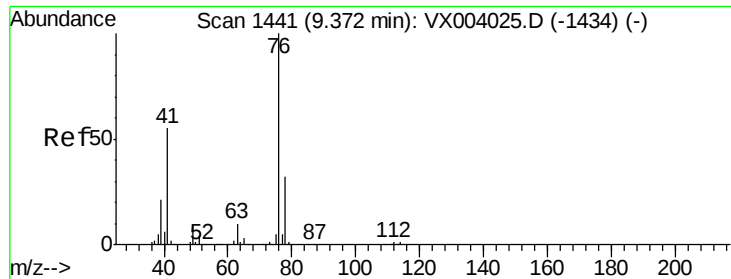
MMDadoda
8/15/2018 4:49:58 PM



#56
Ethyl methacrylate
Concen: 52.67 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion:	69	Resp:	269931
Ion Ratio	Lower	Upper	
69	100		
41	63.4	50.6	76.0
39	33.3	25.8	38.6





#57

1,3-Dichloropropane

Concen: 51.04 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 319188

Ion Ratio Lower Upper

76 100

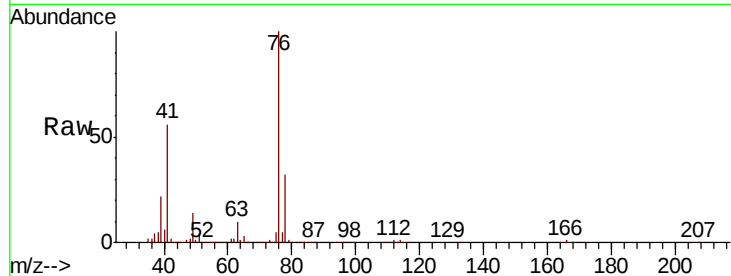
78 32.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

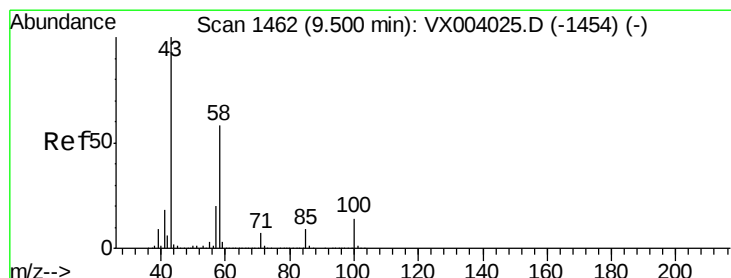
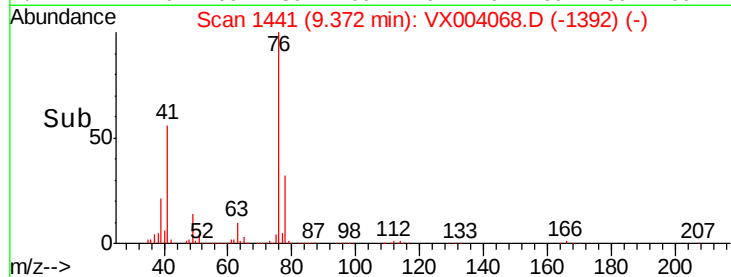
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 269.15 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004068.D

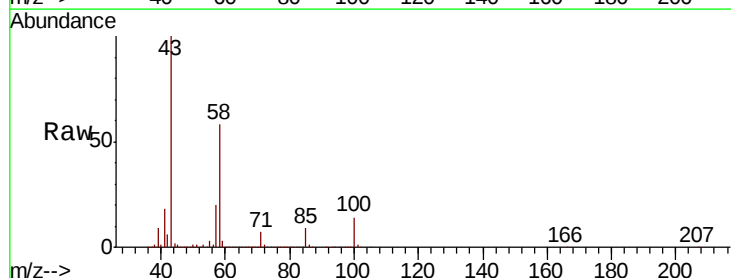
Acq: 15 Aug 2018 10:05

Tgt Ion: 43 Resp: 1281336

Ion Ratio Lower Upper

43 100

58 57.5 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

1000000

800000

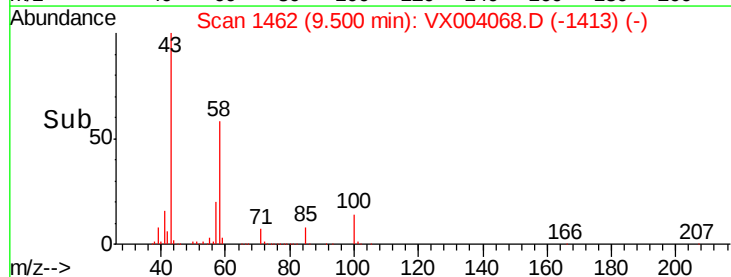
600000

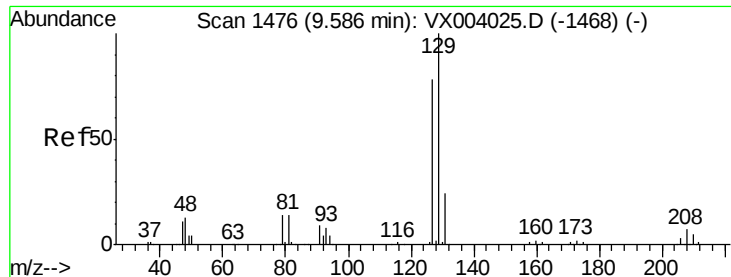
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 52.26 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:129 Resp: 189540

Ion Ratio Lower Upper

129 100

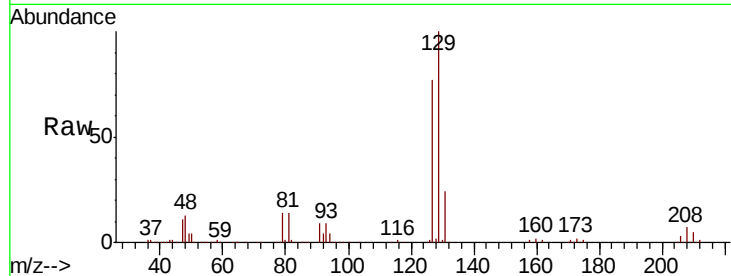
127 77.0 38.8 116.3

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

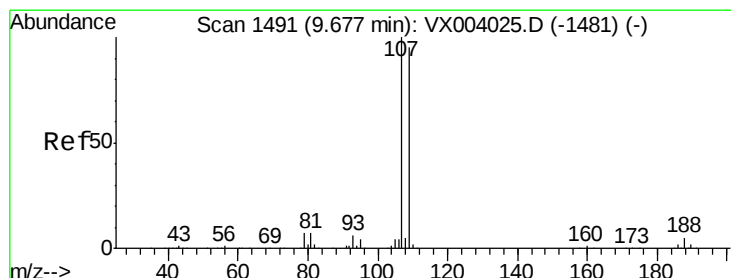
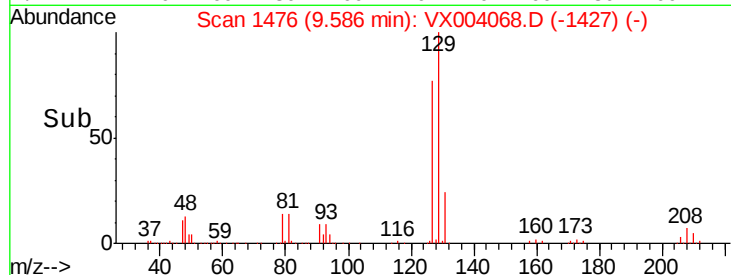
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 50.97 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004068.D

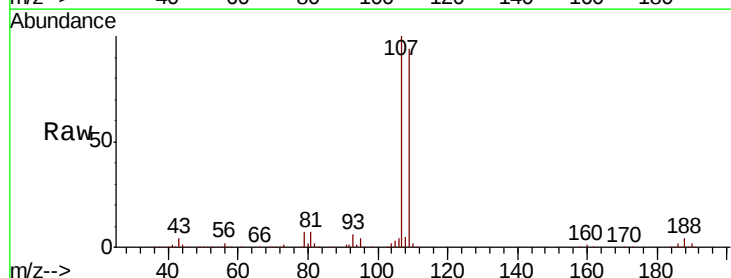
Acq: 15 Aug 2018 10:05

Tgt Ion:107 Resp: 195839

Ion Ratio Lower Upper

107 100

109 94.7 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

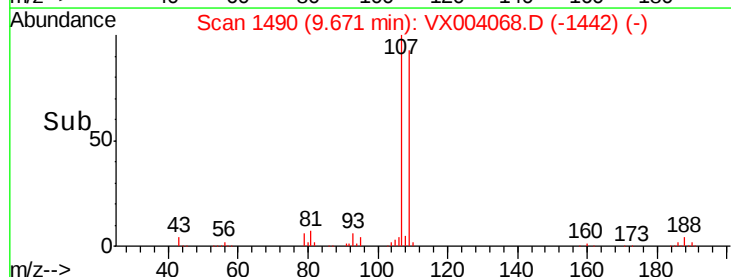
150000

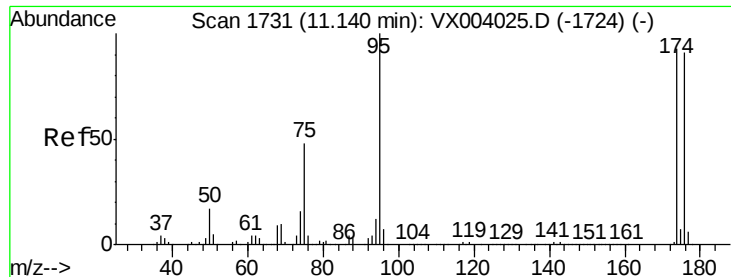
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

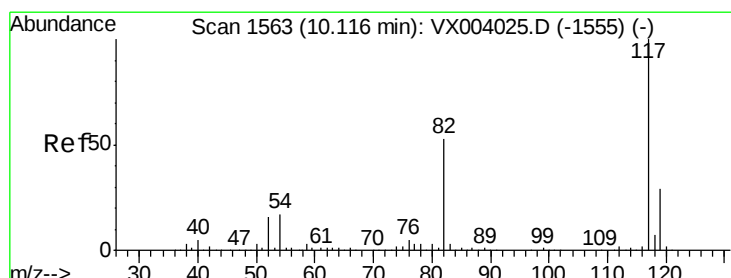
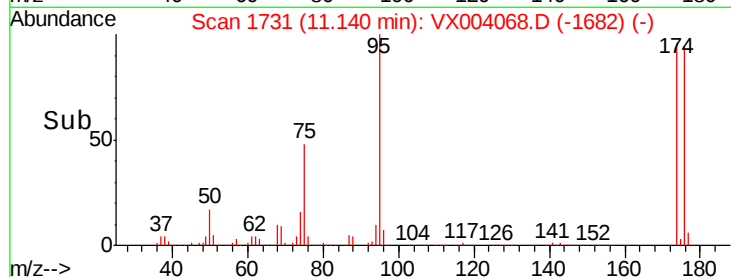
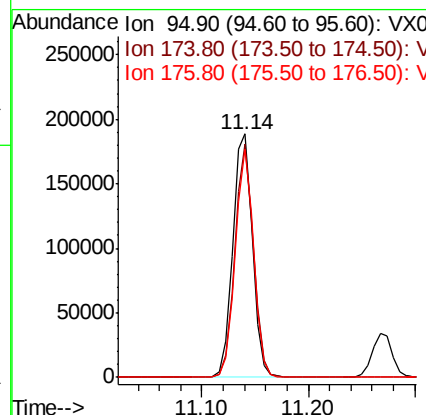
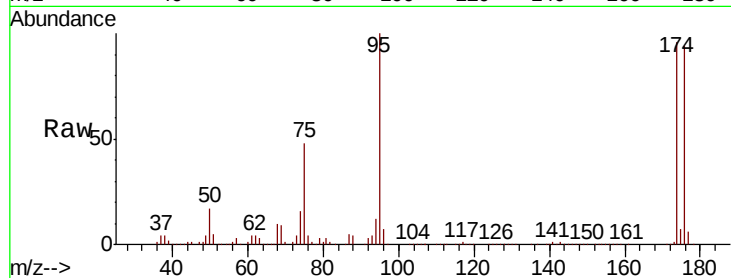
ClientSampleId :

VSTDCCC050EC

Tot Ion:	95	Resp:	244830
Ion Ratio	Lower	Upper	
95	100		
174	90.5	0.0	182.8
176	87.9	0.0	179.0

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

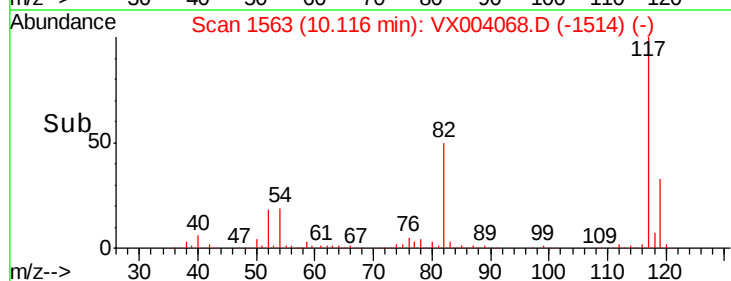
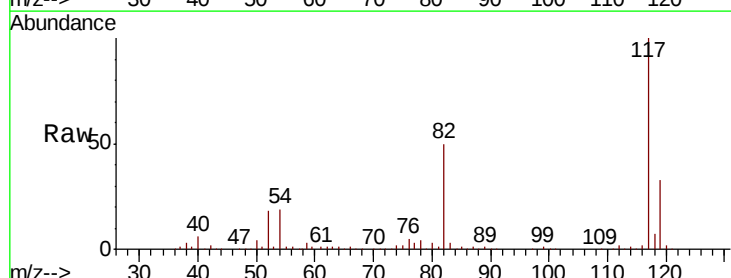
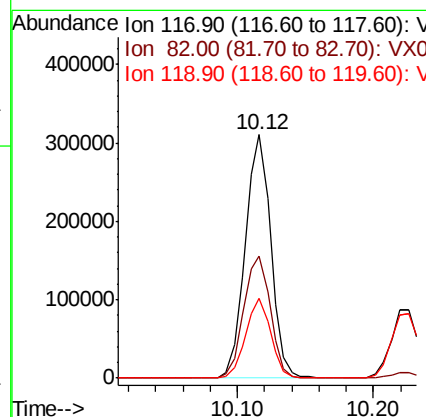
RT: 10.12 min Scan# 1563

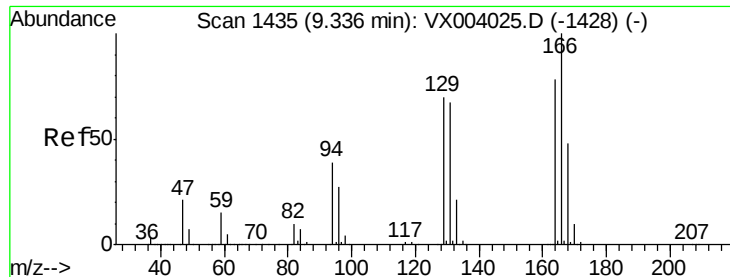
Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion:	117	Resp:	407222
Ion Ratio	Lower	Upper	
117	100		
82	50.2	45.4	68.0
119	32.8	26.6	40.0





#64

Tetrachloroethene

Concen: 48.91 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:164 Resp: 188776

Ion Ratio Lower Upper

164 100

166 123.8 98.0 147.0

129 88.5 64.3 96.5

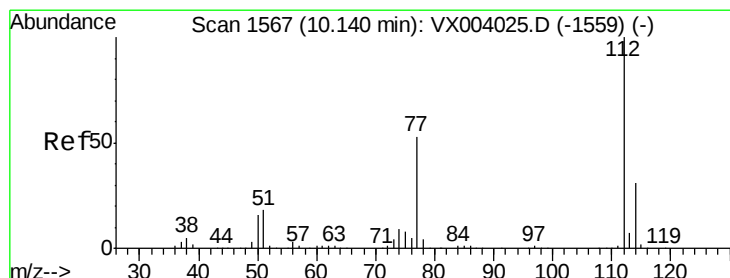
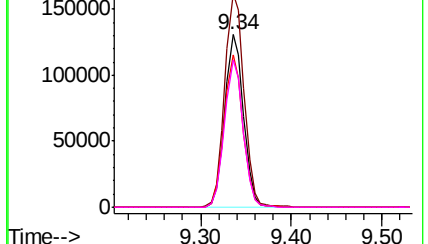
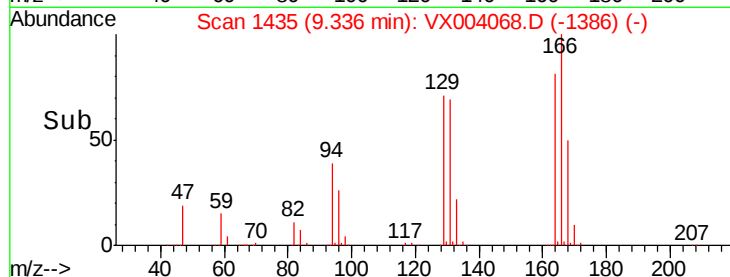
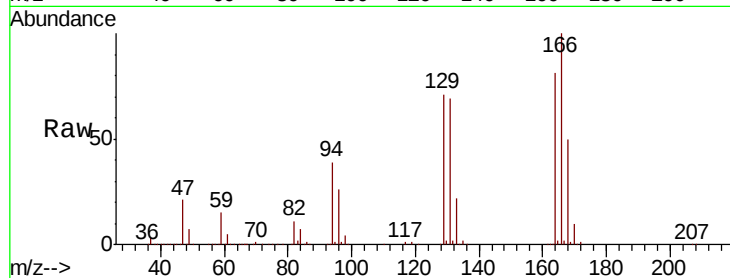
131 85.2 66.8 100.2

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM



#65

Chlorobenzene

Concen: 47.39 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004068.D

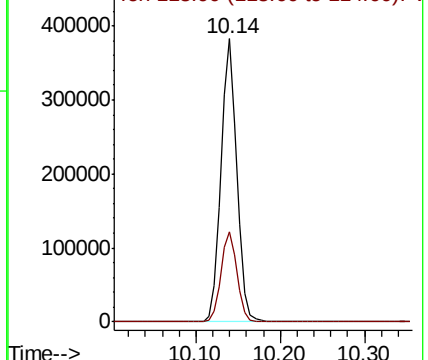
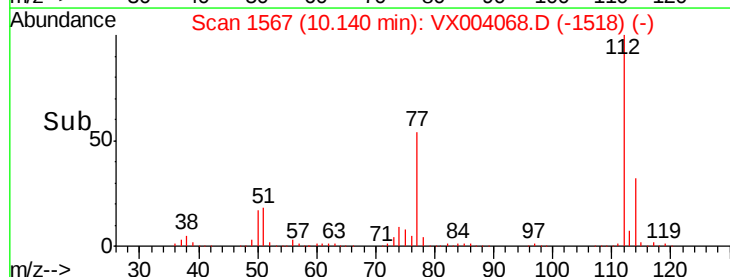
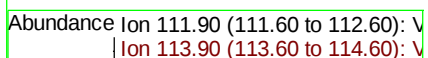
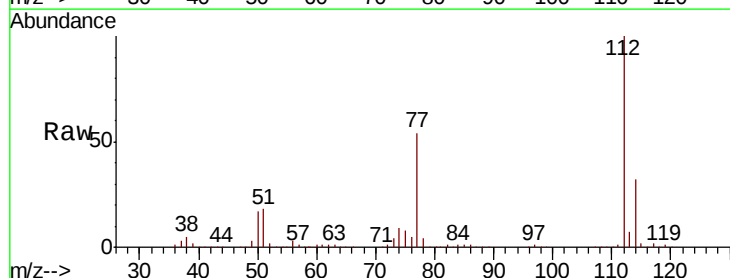
Acq: 15 Aug 2018 10:05

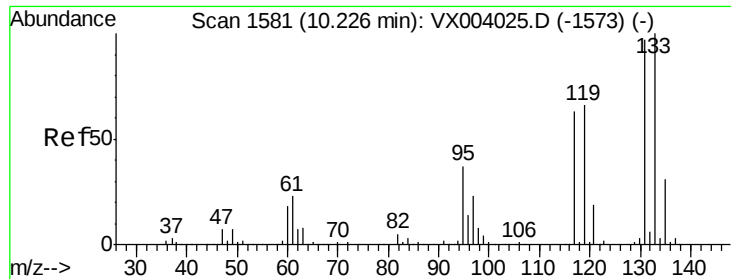
Tgt Ion:112 Resp: 498531

Ion Ratio Lower Upper

112 100

114 32.0 23.6 35.4





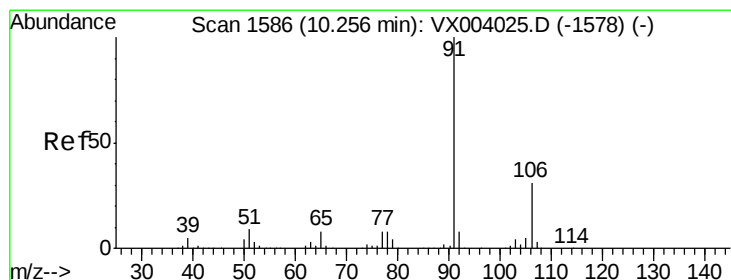
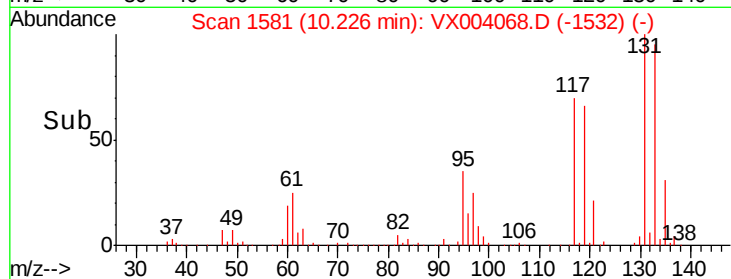
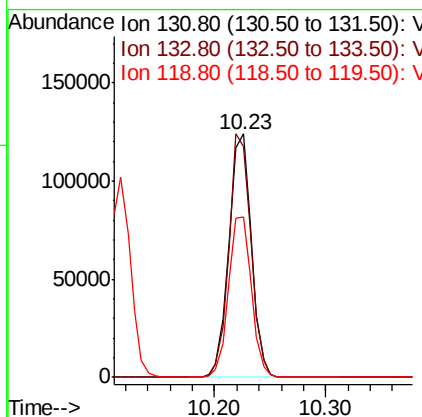
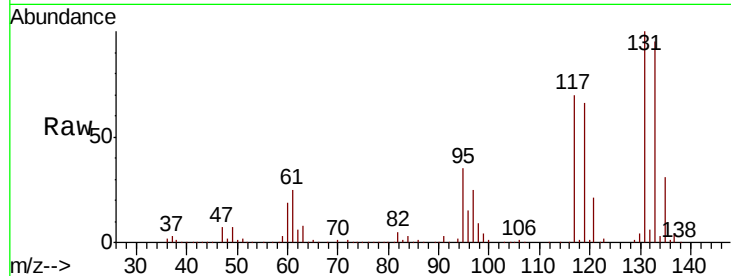
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.24 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.1	47.3	141.8
119	67.2	31.6	94.8

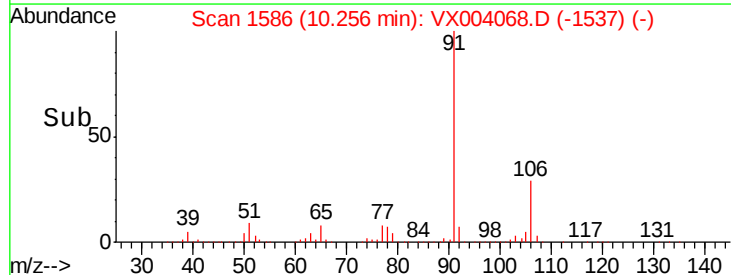
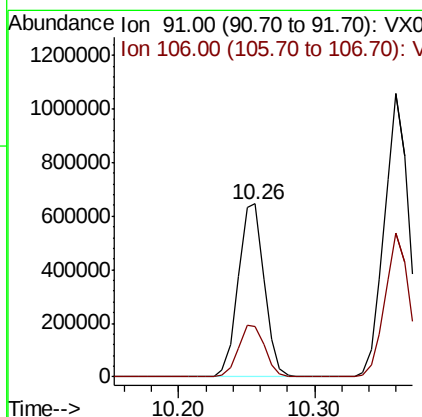
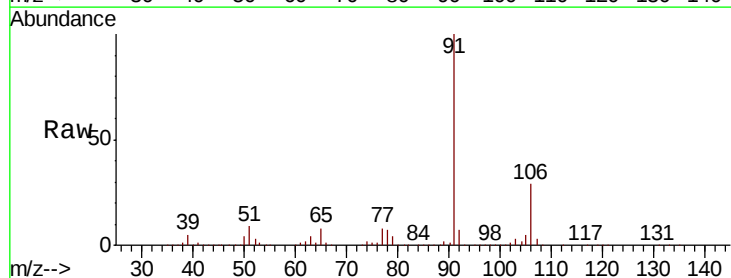
Manual Integrations
 APPROVED

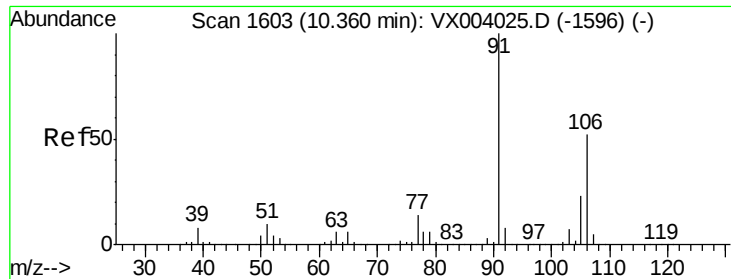
MMDadoda
 8/15/2018 4:49:58 PM



#67
 Ethyl Benzene
 Concen: 51.70 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.9	38.9





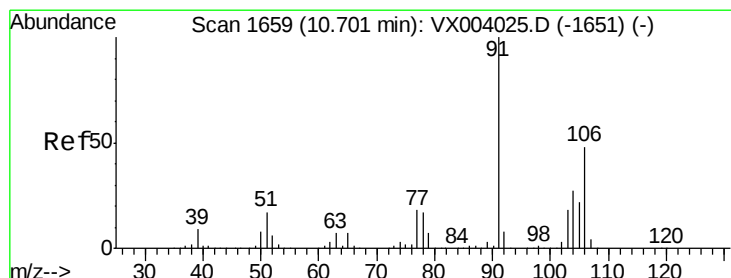
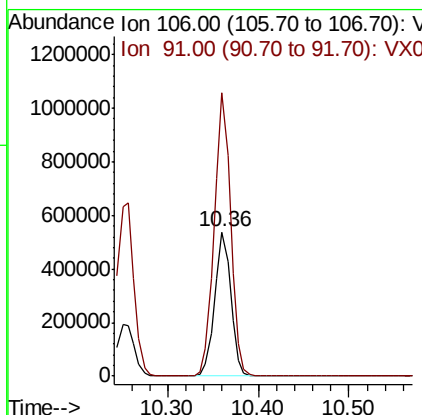
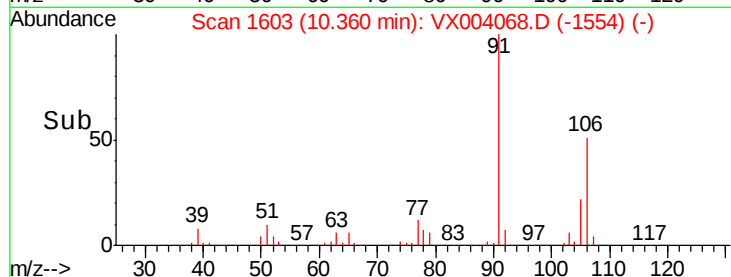
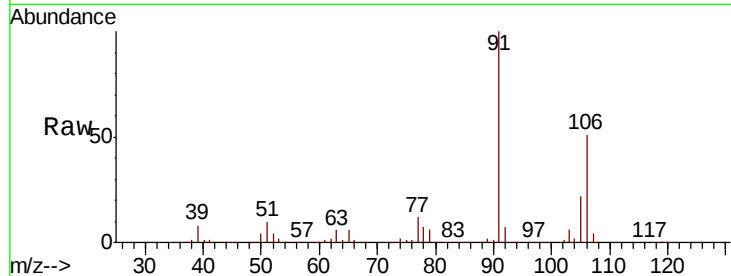
#68
m/p-Xylenes
Concen: 103.03 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 672045
Ion Ratio Lower Upper
106 100
91 199.2 162.3 243.5

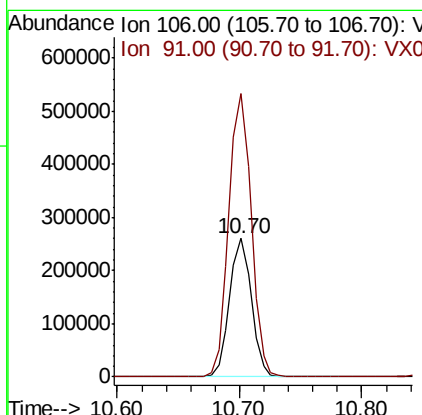
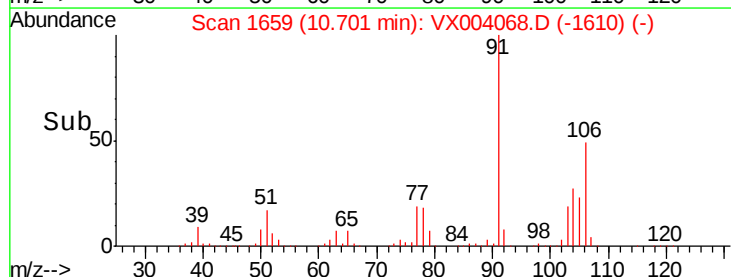
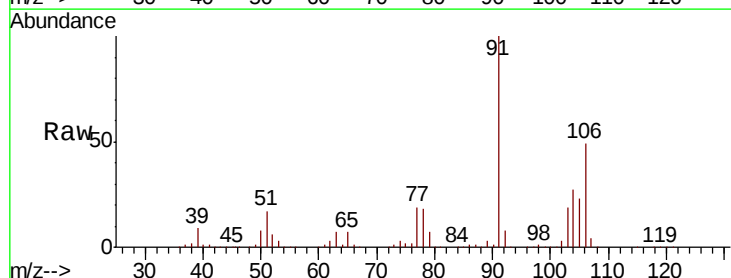
Manual Integrations
APPROVED

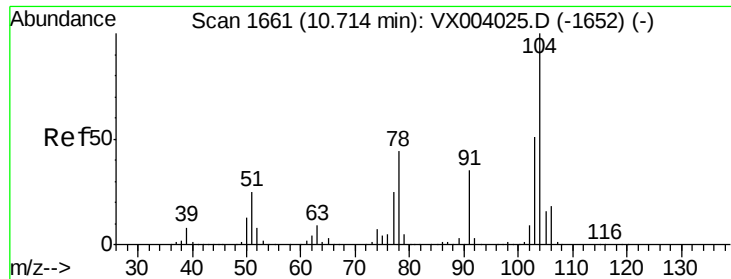
MMDadoda
8/15/2018 4:49:58 PM



#69
o-Xylene
Concen: 51.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion:106 Resp: 321700
Ion Ratio Lower Upper
106 100
91 210.4 101.9 305.7





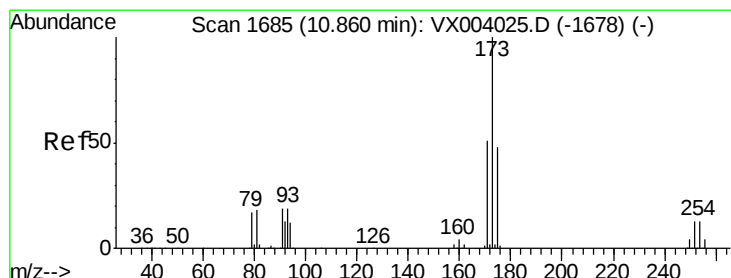
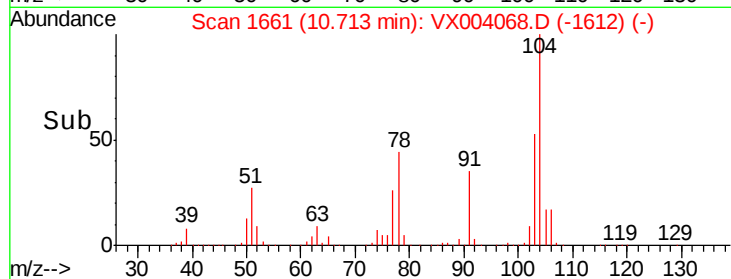
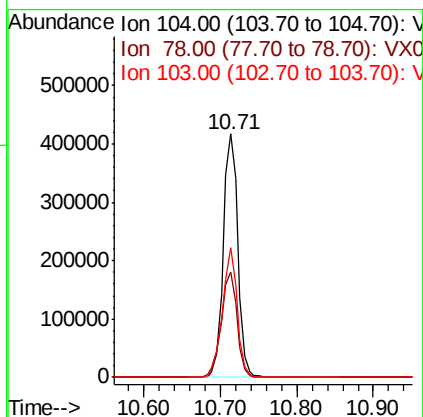
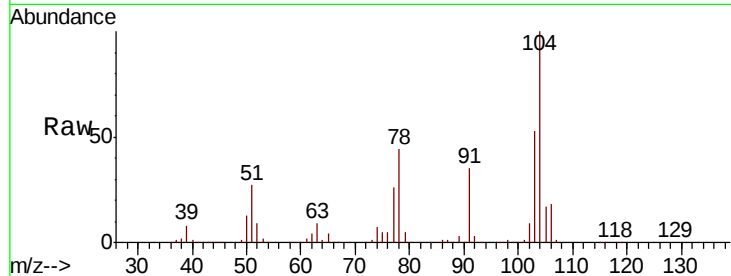
#70
Stvrene
Concen: 52.13 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.3	39.8	59.6
103	54.0	44.3	66.5

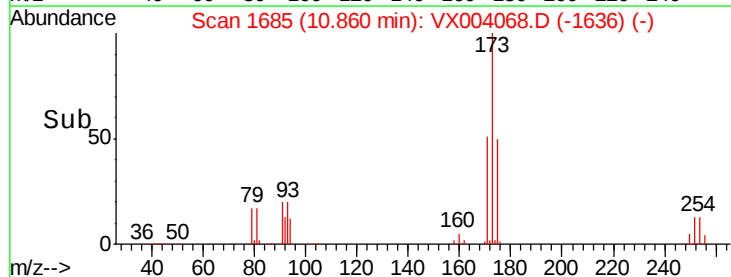
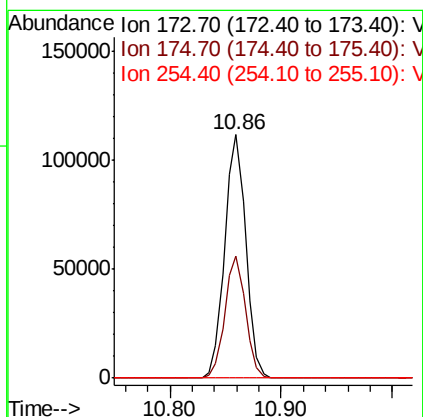
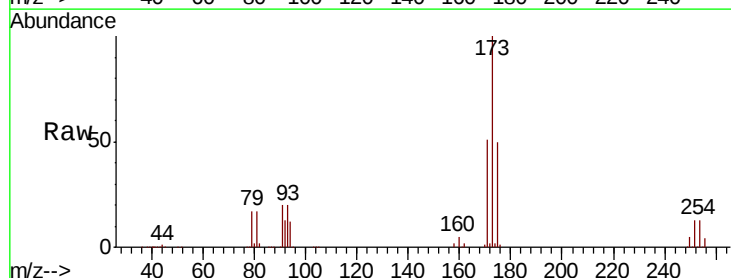
Manual Integrations
APPROVED

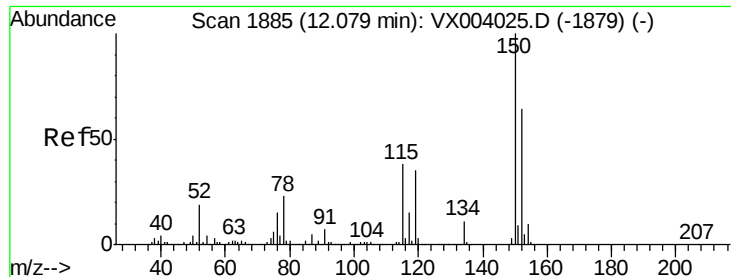
MMDadoda
8/15/2018 4:49:58 PM



#71
Bromoform
Concen: 51.59 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.7
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 252568

Ion Ratio Lower Upper

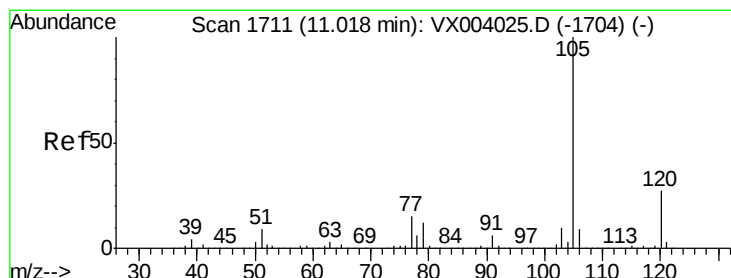
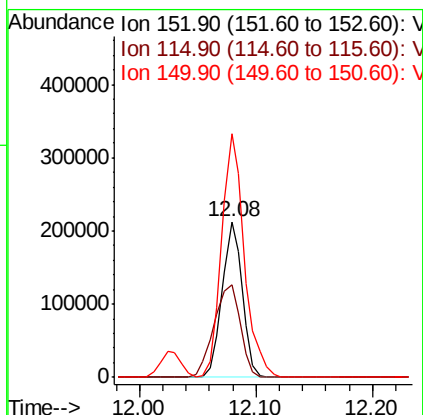
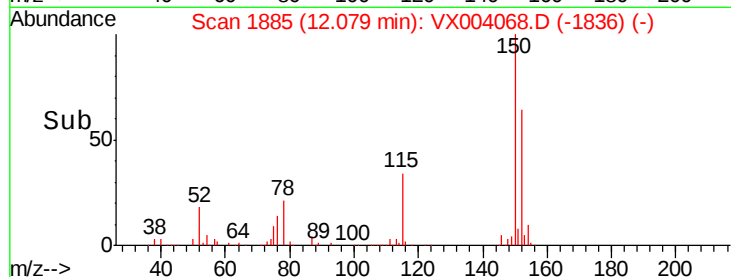
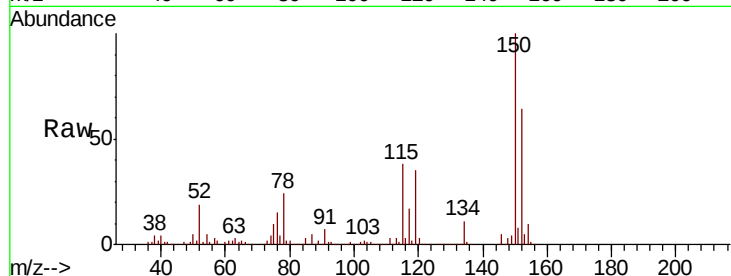
152 100

115 78.0 39.1 117.3

150 176.7 0.0 349.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#73

Isopropylbenzene

Concen: 50.71 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004068.D

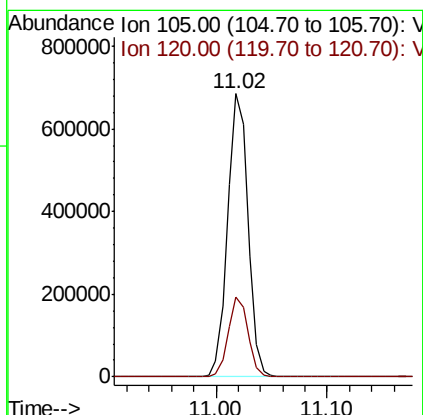
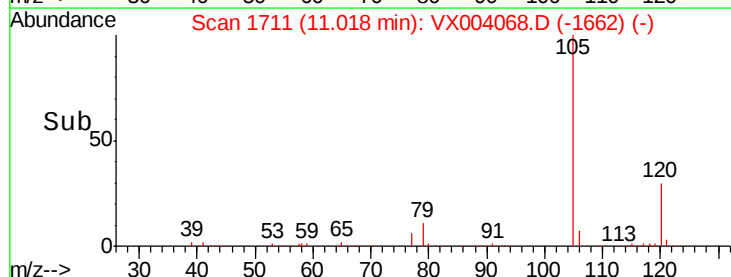
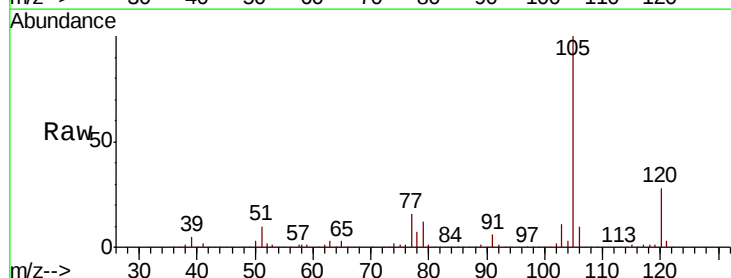
Acq: 15 Aug 2018 10:05

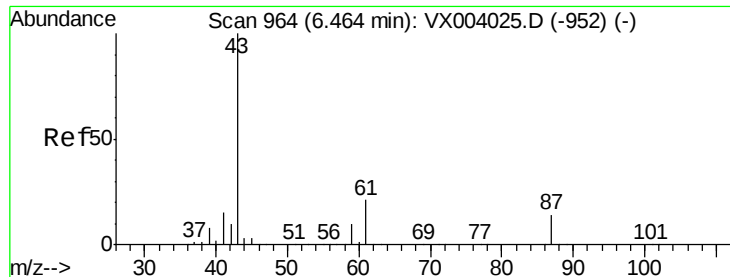
Tgt Ion:105 Resp: 866797

Ion Ratio Lower Upper

105 100

120 27.3 12.6 37.8





#74

N-amvl acetate

Concen: 42.56 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

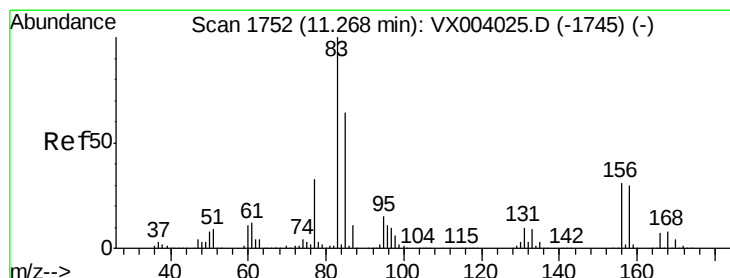
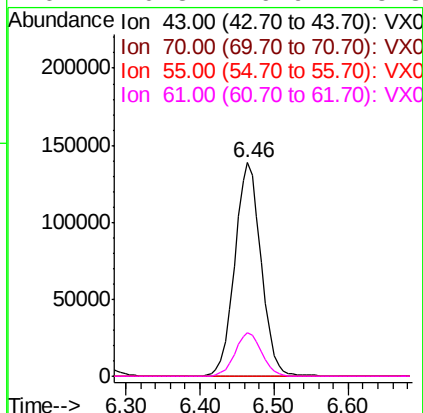
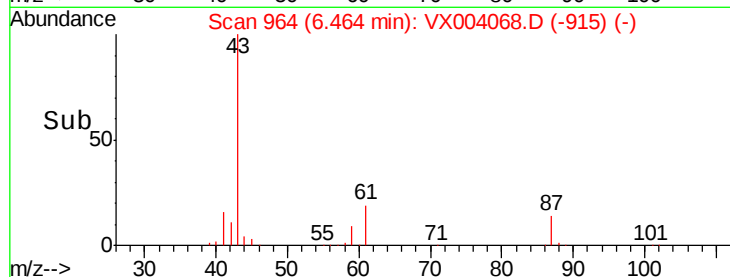
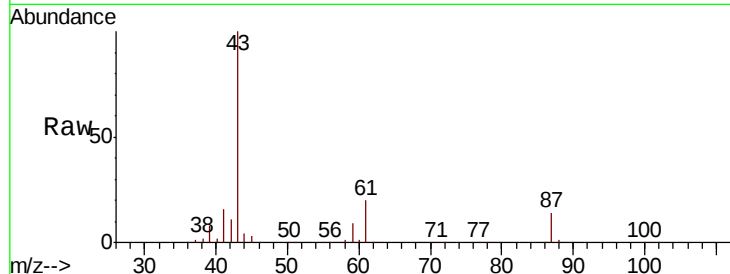
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	342176
Ion Ratio	Lower	Upper	
43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1
61	20.8	16.9	25.3

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 49.21 ug/l

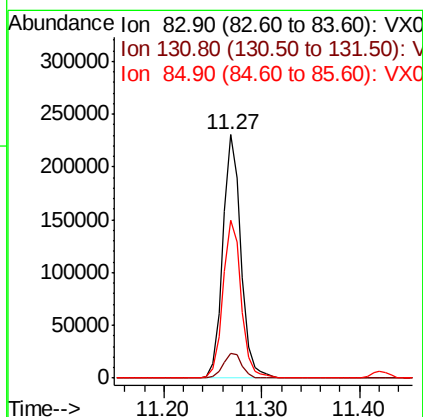
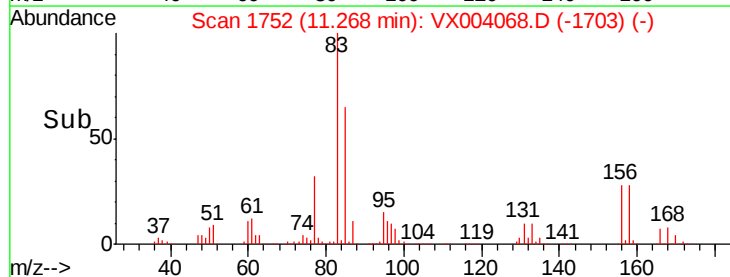
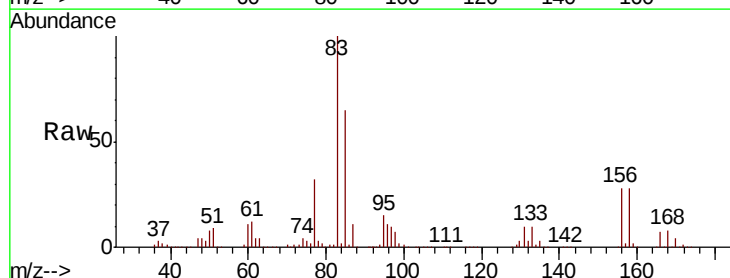
RT: 11.27 min Scan# 1752

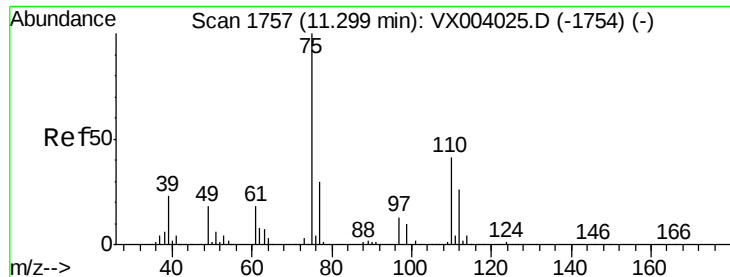
Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Tgt Ion	83	Resp	293744
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	65.5	32.2	96.6





#76

1,2,3-Trichloropropane

Concen: 50.89 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 257757

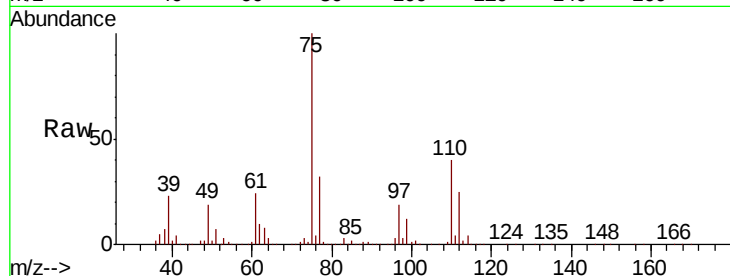
Ion Ratio Lower Upper

75 100

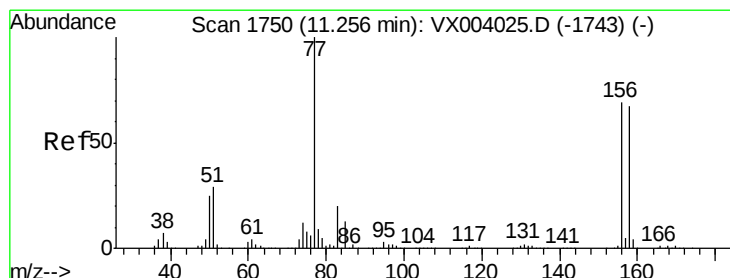
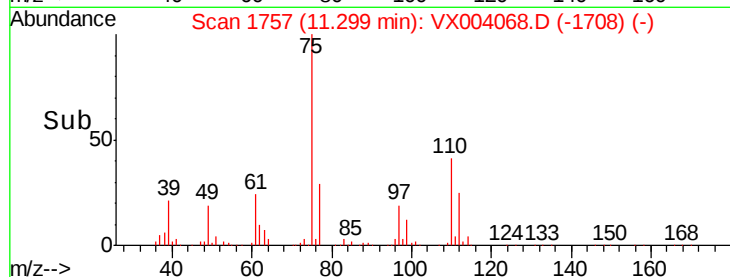
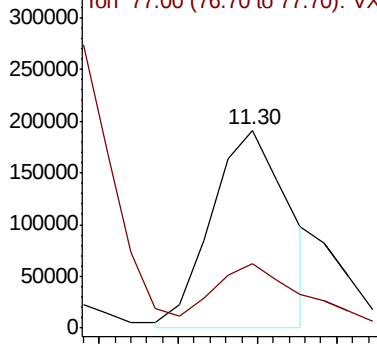
77 38.6 20.8 62.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



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



#77

Bromobenzene

Concen: 49.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

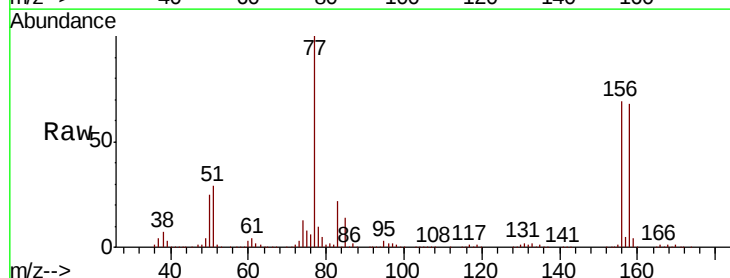
Tgt Ion: 156 Resp: 233771

Ion Ratio Lower Upper

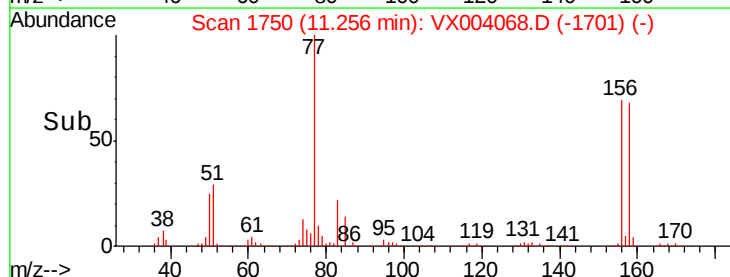
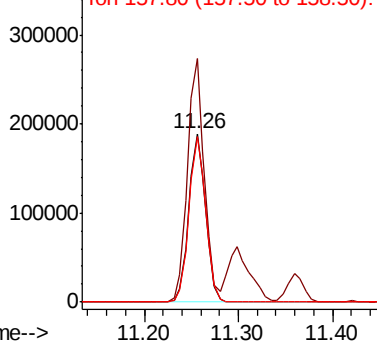
156 100

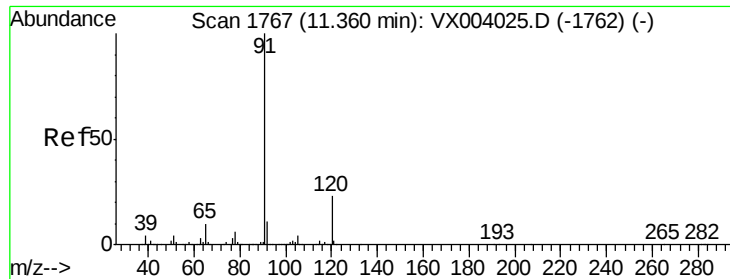
77 144.9 74.1 222.2

158 98.3 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 52.30 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1000327

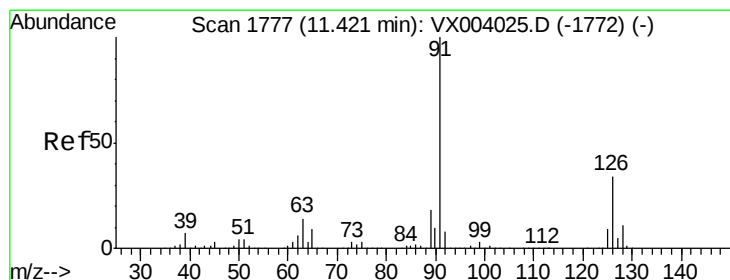
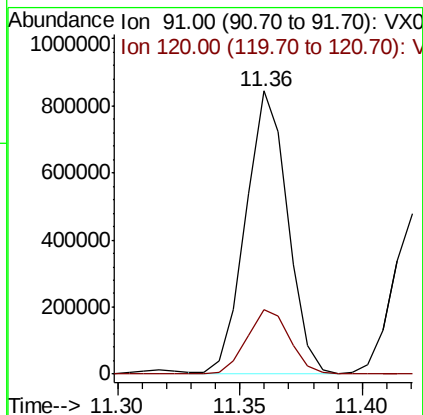
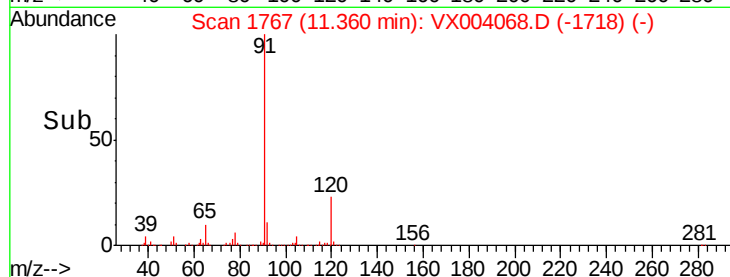
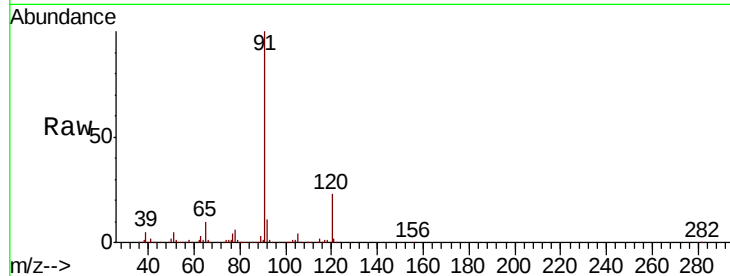
Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:58 PM



#79

2-Chlorotoluene

Concen: 51.05 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004068.D

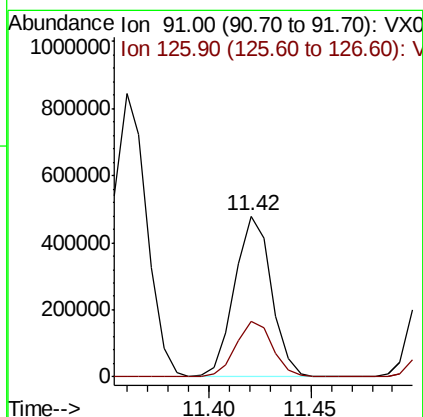
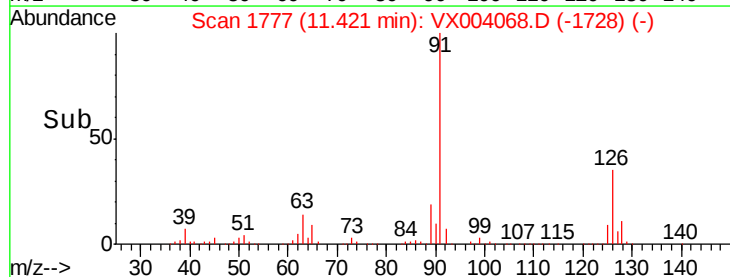
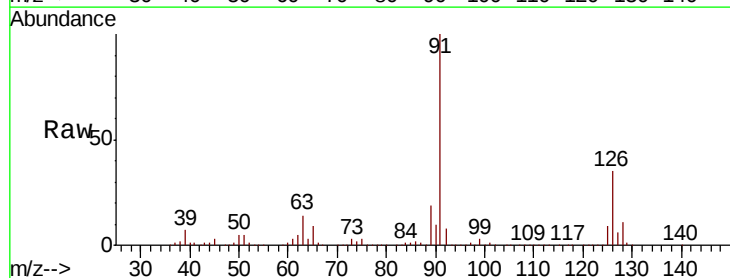
Acq: 15 Aug 2018 10:05

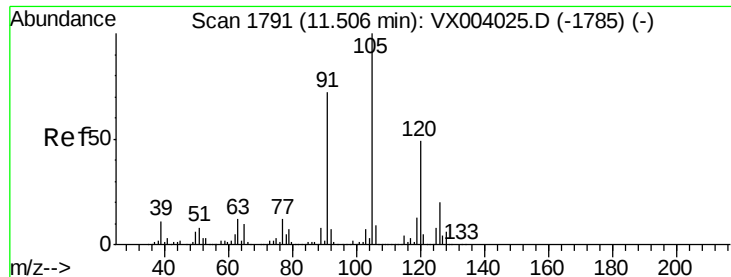
Tgt Ion: 91 Resp: 595094

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.3





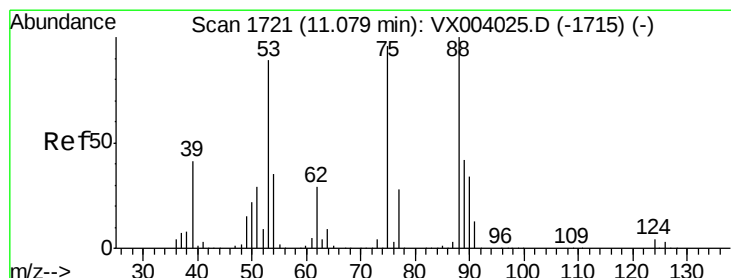
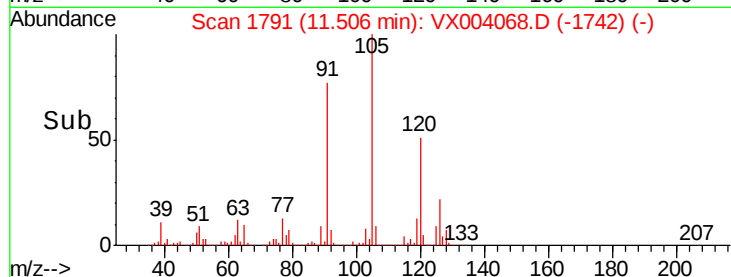
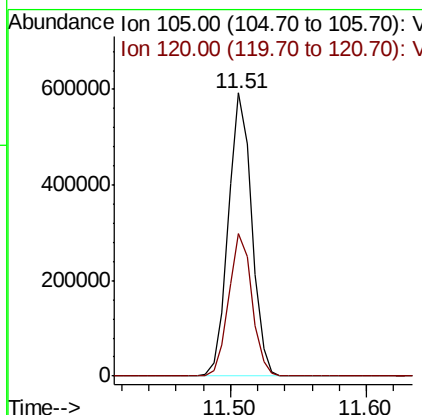
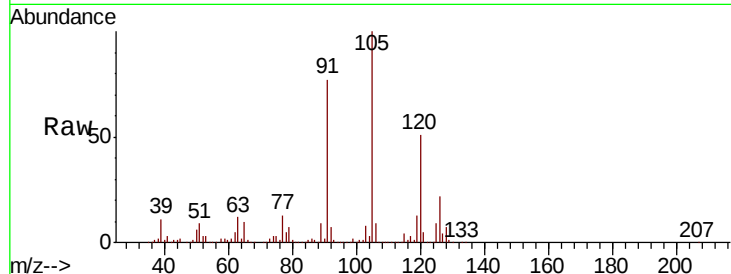
#80
 1,3,5-Trimethylbenzene
 Concen: 50.35 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.4	76.2

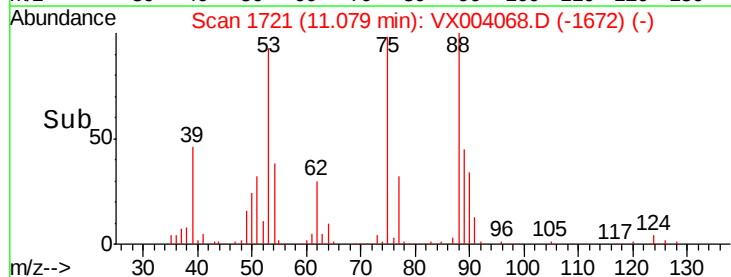
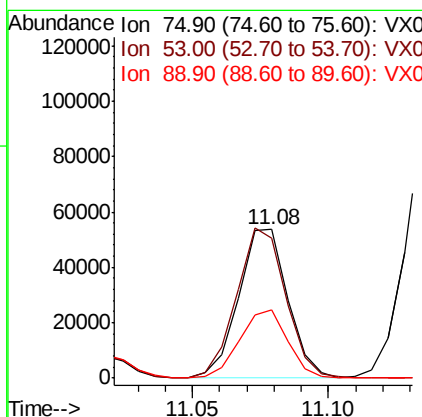
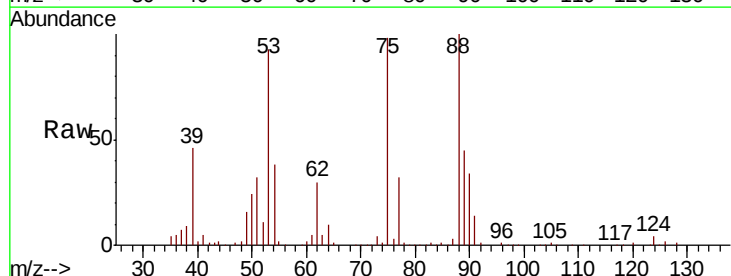
Manual Integrations
 APPROVED

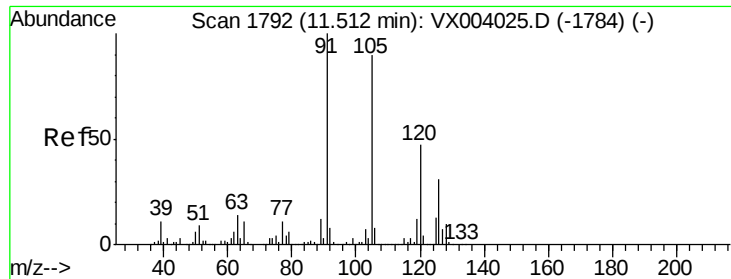
MMDadoda
 8/15/2018 4:49:58 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.79 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.7	80.3	120.5
89	45.2	37.8	56.8





#82

4-Chlorotoluene

Concen: 49.40 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 680632

Ion Ratio Lower Upper

91 100

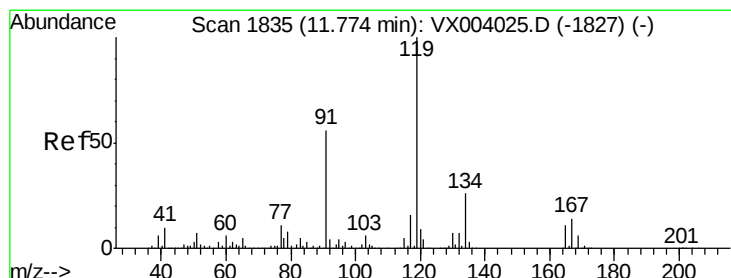
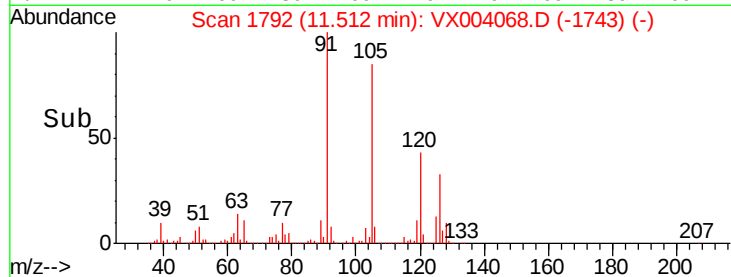
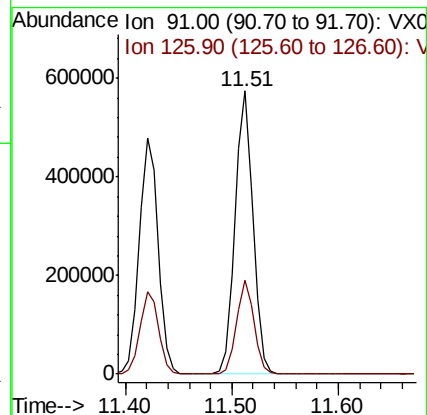
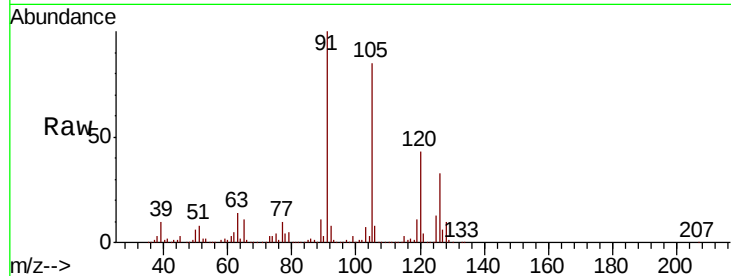
126 32.3 15.6 46.7

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:58 PM



#83

tert-Butylbenzene

Concen: 51.93 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX004068.D

Acq: 15 Aug 2018 10:05

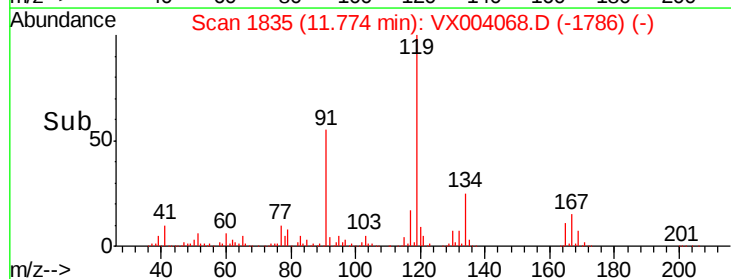
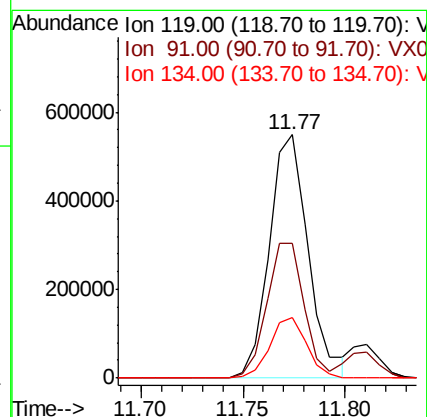
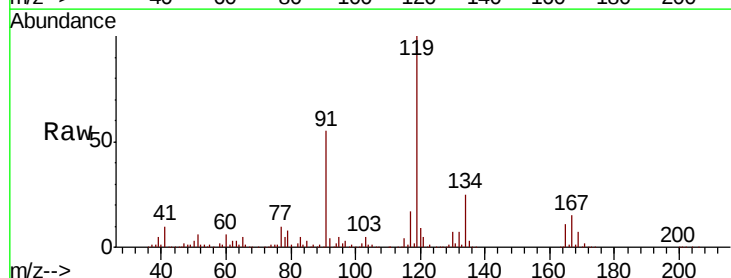
Tgt Ion: 119 Resp: 732808

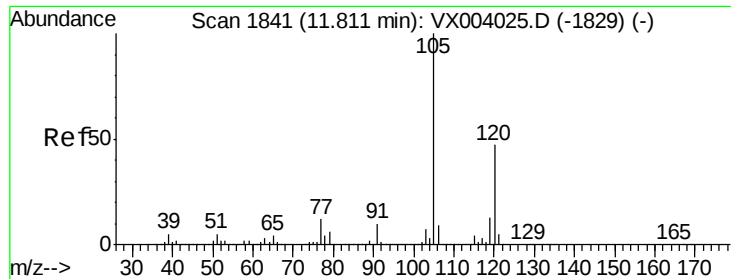
Ion Ratio Lower Upper

119 100

91 53.3 26.9 80.7

134 23.6 12.0 36.0





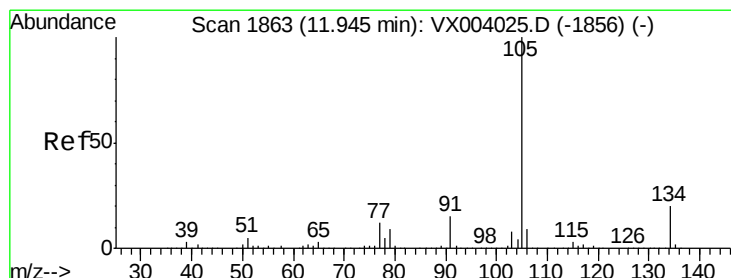
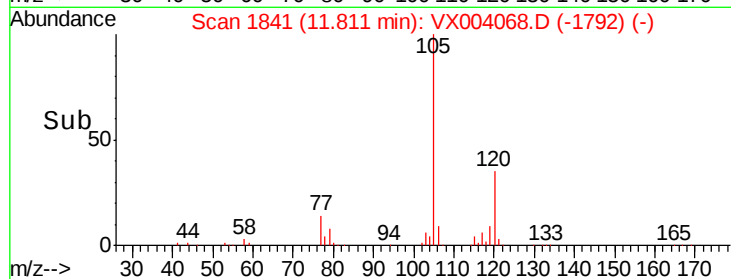
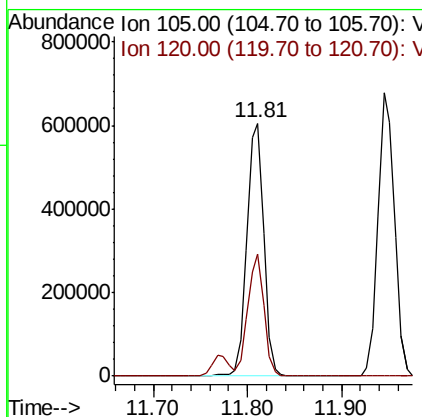
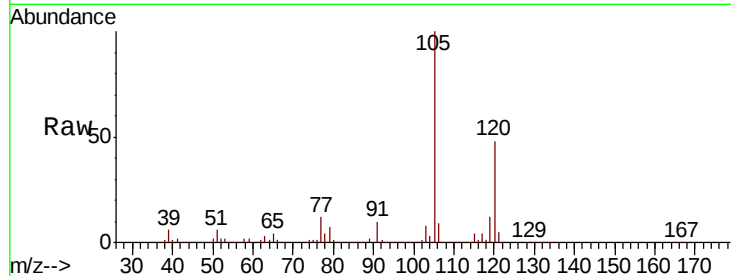
#84
1,2,4-Trimethylbenzene
Concen: 51.75 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2

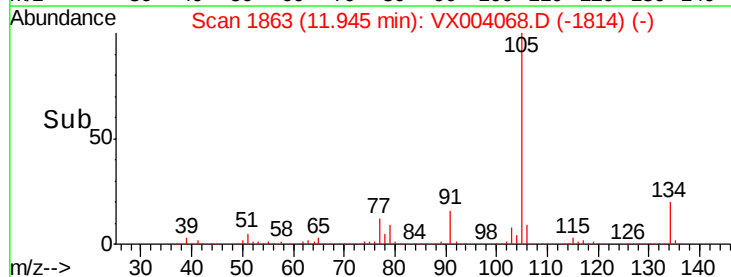
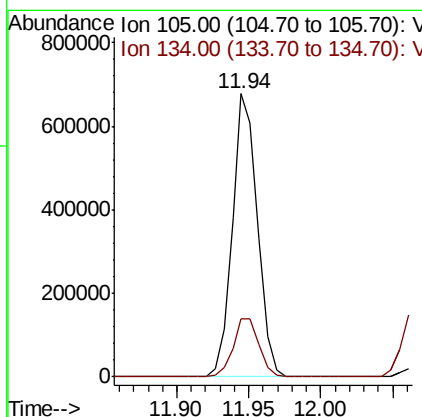
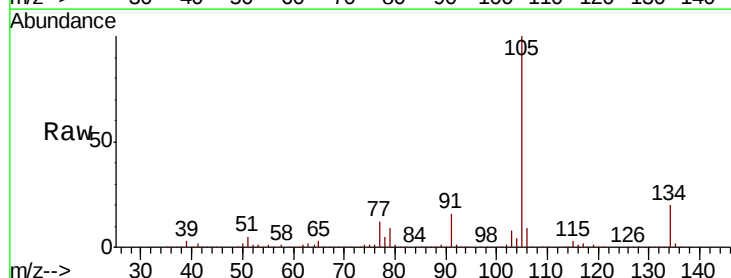
Manual Integrations
APPROVED

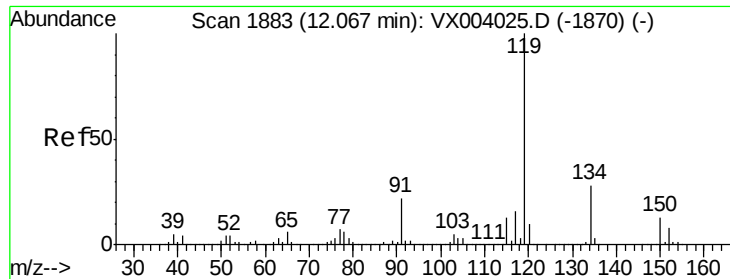
MMDadoda
8/15/2018 4:49:58 PM



#85
sec-Butylbenzene
Concen: 49.95 ug/l
RT: 11.94 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.3	30.9





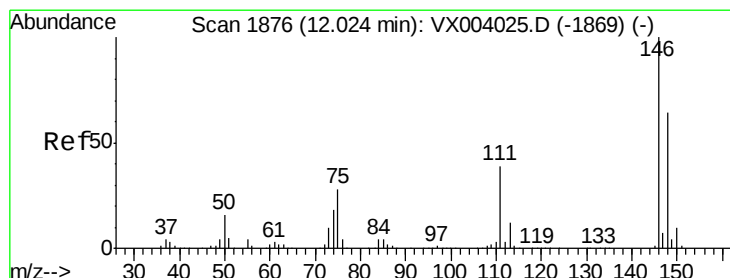
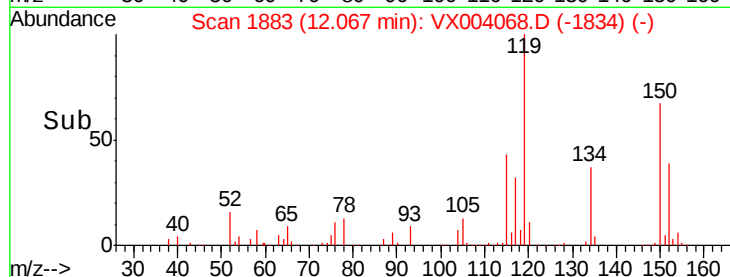
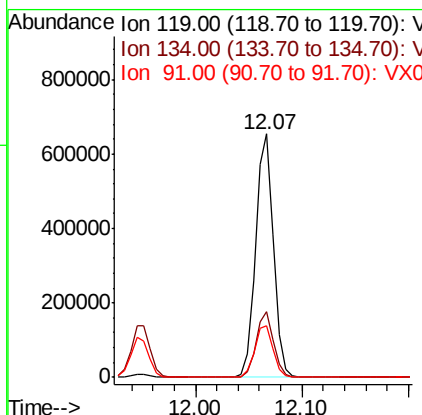
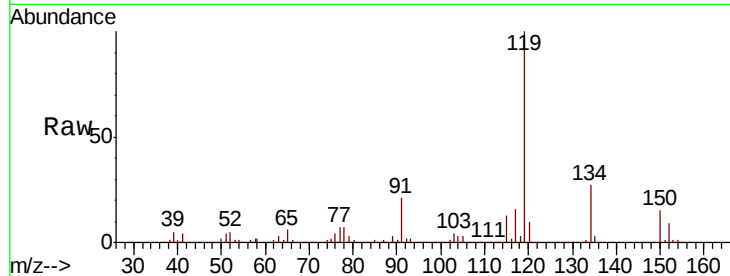
#86
 p-Isopropyltoluene
 Concen: 51.13 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	21.9	10.9	32.7

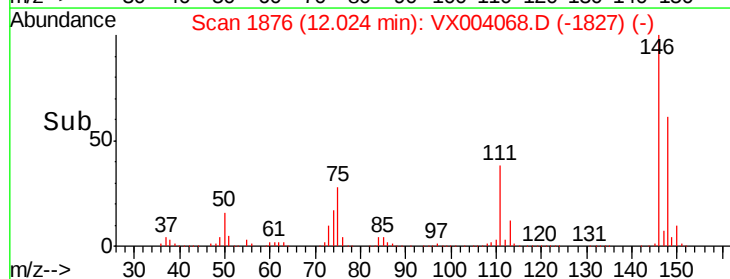
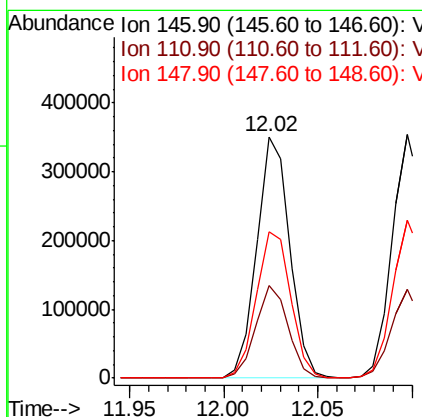
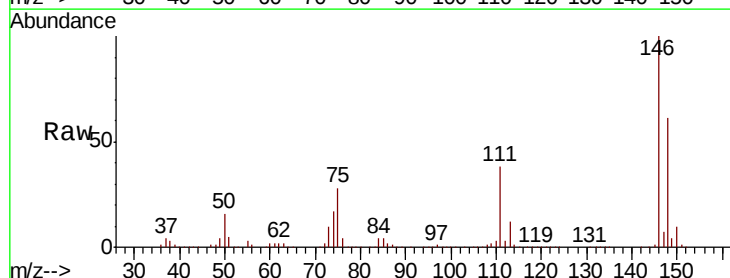
Manual Integrations
 APPROVED

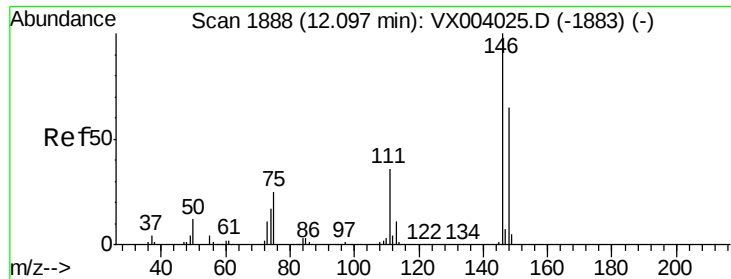
MMDadoda
 8/15/2018 4:49:58 PM



#87
 1,3-Dichlorobenzene
 Concen: 47.40 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	63.3	31.9	95.5





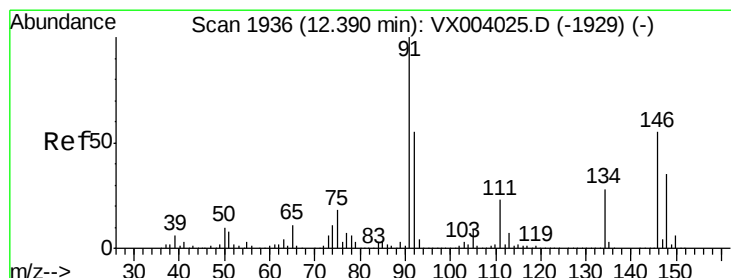
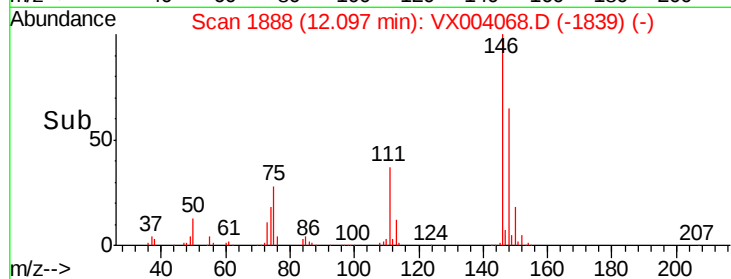
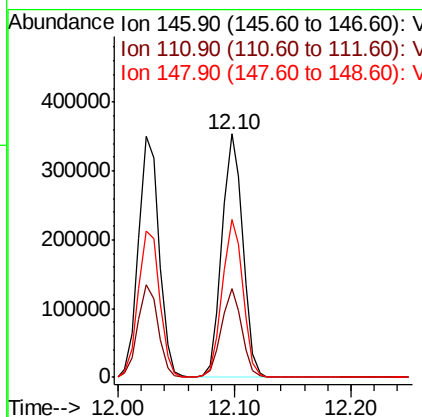
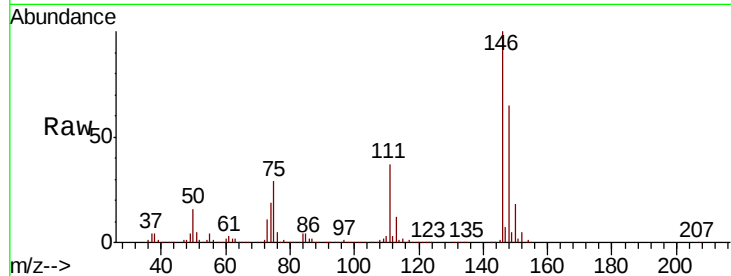
#88
 1,4-Dichlorobenzene
 Concen: 47.05 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.4	55.0
148	64.3	32.3	96.8

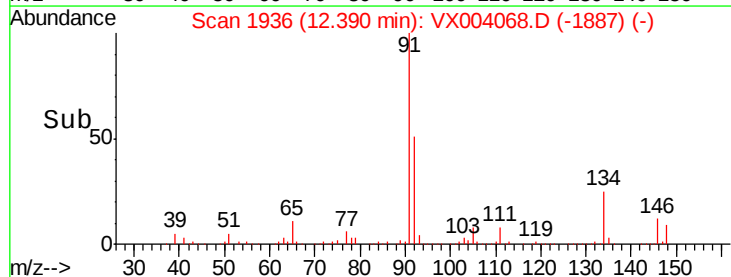
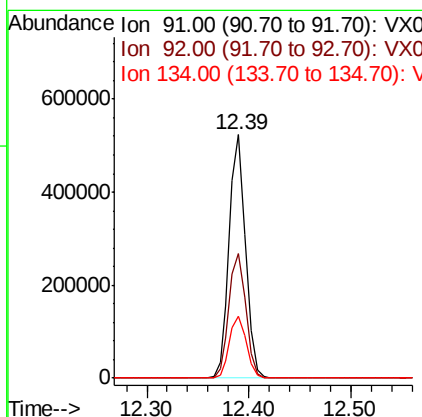
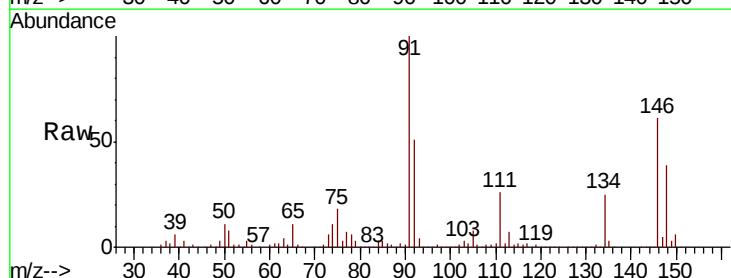
Manual Integrations
 APPROVED

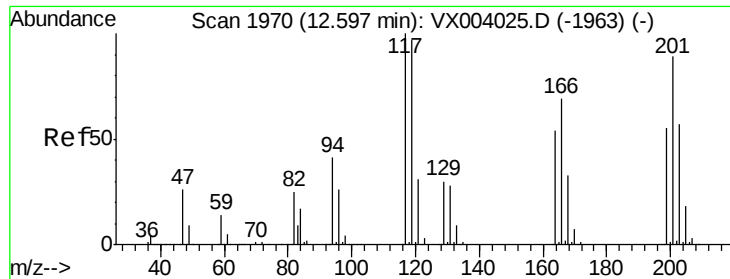
MMDadoda
 8/15/2018 4:49:58 PM



#89
 n-Butylbenzene
 Concen: 49.17 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.3
134	26.5	13.6	40.7





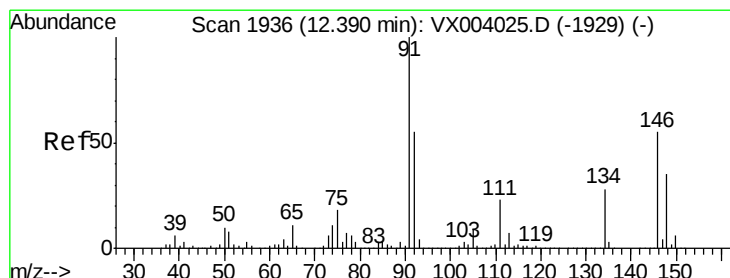
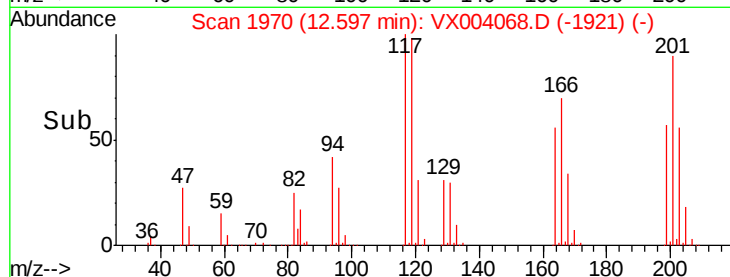
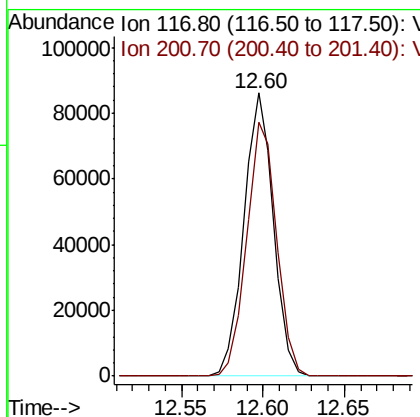
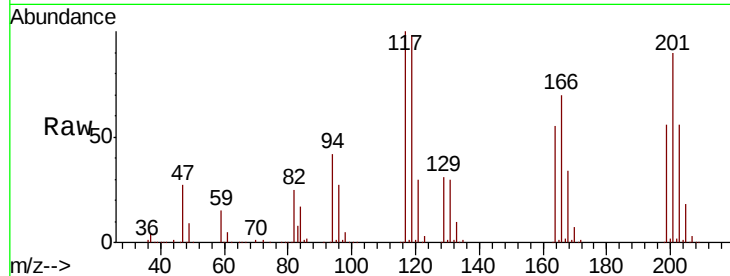
#90
Hexachloroethane
Concen: 48.42 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.3	46.1	138.2	

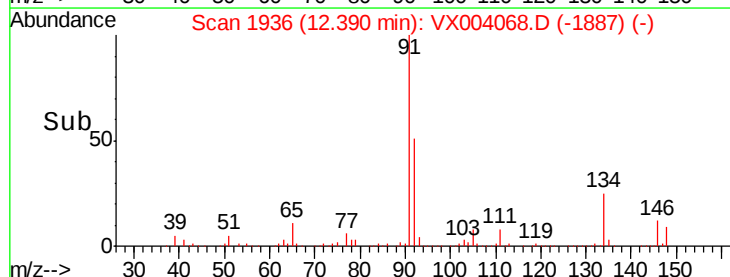
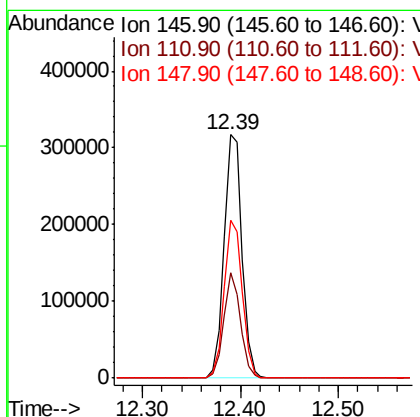
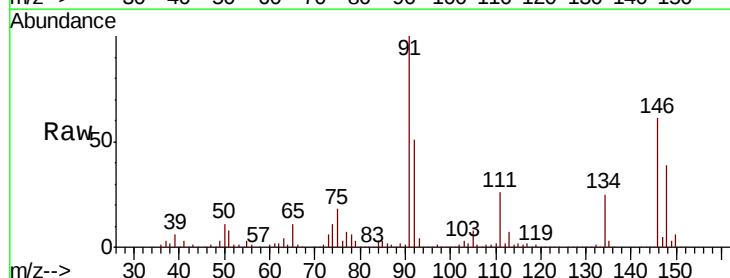
Manual Integrations
APPROVED

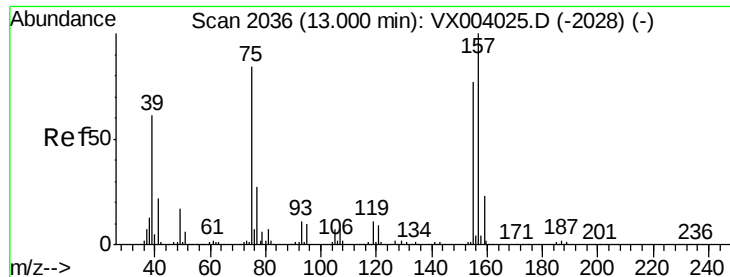
MMDadoda
8/15/2018 4:49:58 PM



#91
1,2-Dichlorobenzene
Concen: 49.55 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	19.7	59.0	
148	65.3	31.9	95.5	





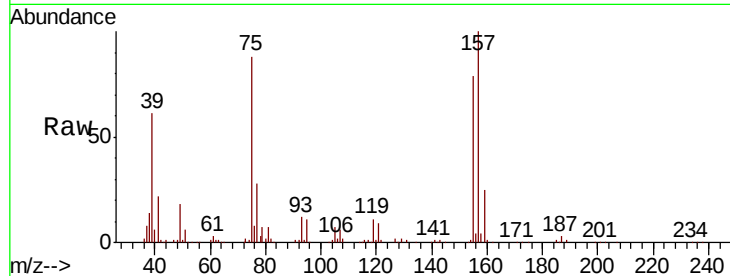
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.01 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.7	146.1
157	120.8	62.6	187.8

Manual Integrations
 APPROVED

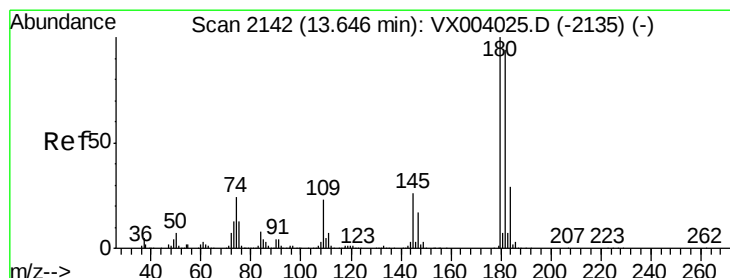
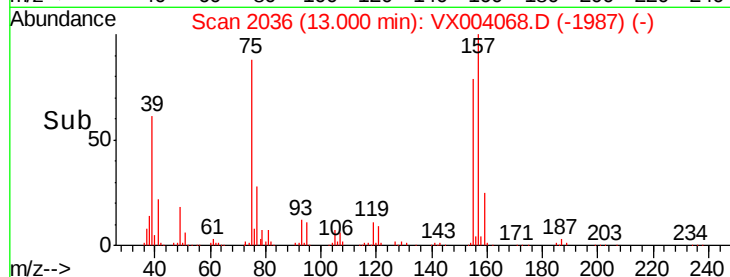
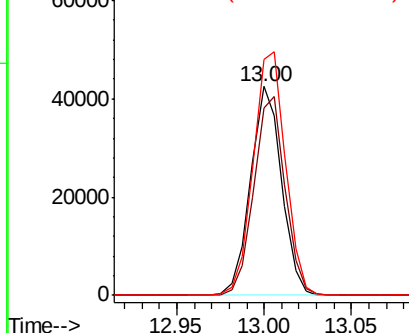
MMDadoda
 8/15/2018 4:49:58 PM



Abundance Ion 74.90 (74.60 to 75.60): VX004025.D (-2028) (-)

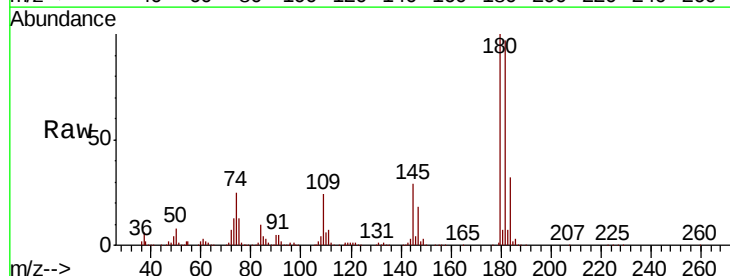
Ion 154.80 (154.50 to 155.50): VX004025.D (-2028) (-)

Ion 156.80 (156.50 to 157.50): VX004025.D (-2028) (-)



#93
 1,2,4-Trichlorobenzene
 Concen: 46.92 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

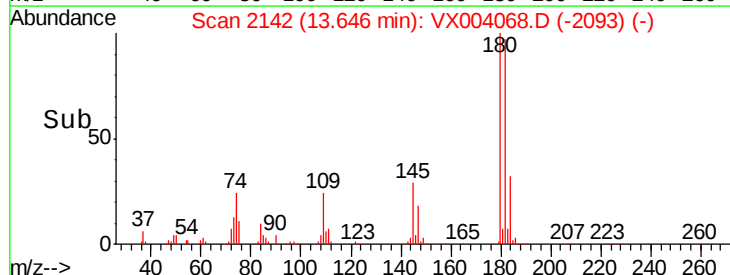
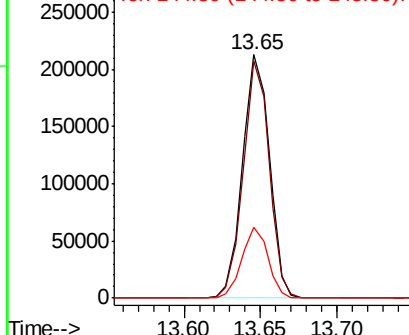
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.7	143.1
145	28.1	13.9	41.6

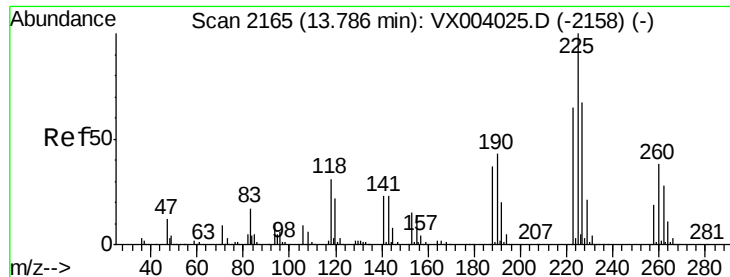


Abundance Ion 179.80 (179.50 to 180.50): VX004025.D (-2135) (-)

Ion 181.80 (181.50 to 182.50): VX004025.D (-2135) (-)

Ion 144.80 (144.50 to 145.50): VX004025.D (-2135) (-)





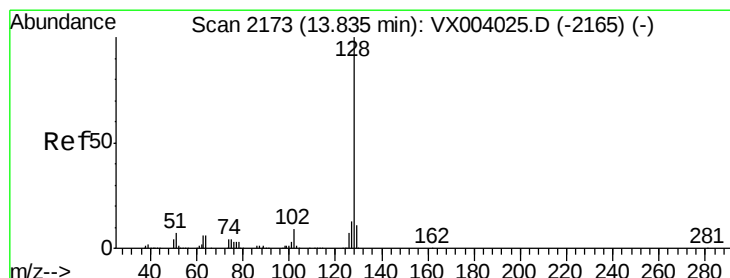
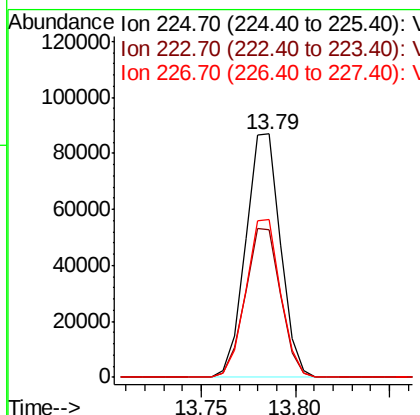
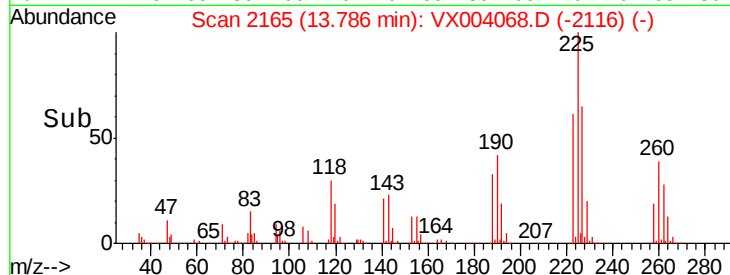
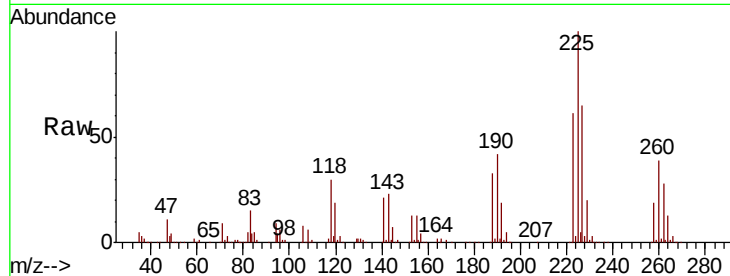
#94
Hexachlorobutadiene
Concen: 40.14 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
225	100	111463		
223	62.1	31.4	94.0	
227	64.5	32.1	96.5	

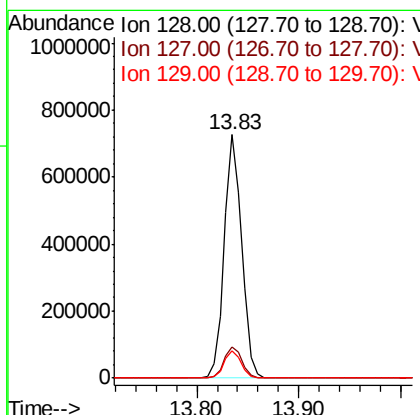
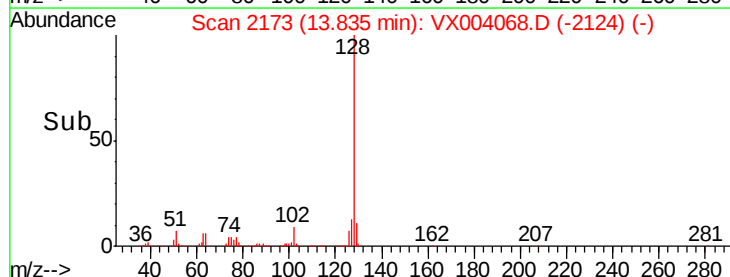
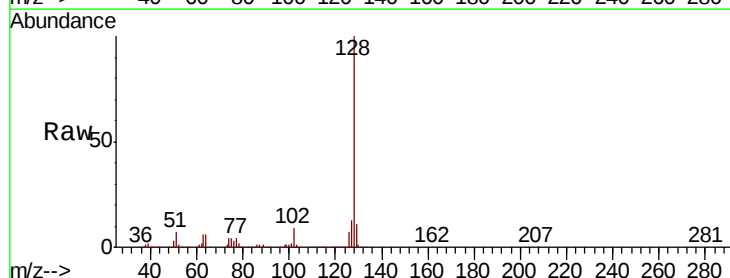
Manual Integrations
APPROVED

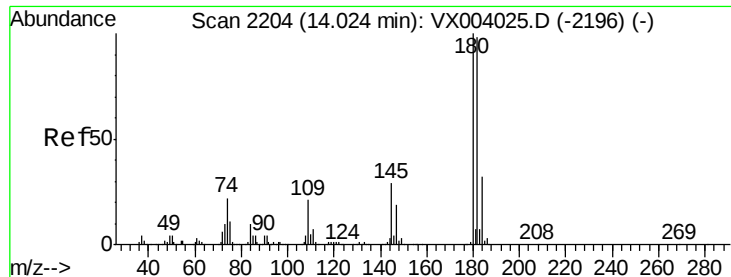
MMDadoda
8/15/2018 4:49:58 PM



#95
Naphthalene
Concen: 48.85 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004068.D
Acq: 15 Aug 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	862246		
127	13.1	10.2	15.2	
129	11.1	8.8	13.2	





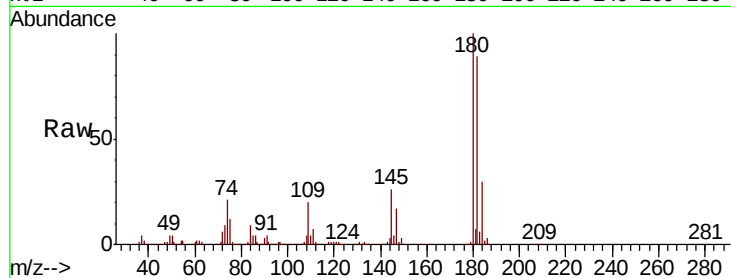
#96
 1,2,3-Trichlorobenzene
 Concen: 47.85 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004068.D
 Acq: 15 Aug 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.5	48.1	144.4
145	29.2	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:58 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

