

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006082.D
 Acq On : 19 Nov 2018 11:14
 Operator : JC/MD
 Sample : VX1119WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 9:59:31 AM

Quant Time: Nov 19 13:30:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	108195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	154594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	138523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	59266	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
35) Dibromofluoromethane	5.50	113	48329	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	8.71	98	177218	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.14	95	64649	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	14780	15.15	ug/l	99
3) Chloromethane	1.32	50	19873	15.52	ug/l	100
4) Vinyl Chloride	1.40	62	20982	16.33	ug/l	99
5) Bromomethane	1.64	94	13405	17.04	ug/l	97
6) Chloroethane	1.72	64	13730	17.90	ug/l	100
7) Trichlorofluoromethane	1.93	101	30504	17.88	ug/l	97
8) Diethyl Ether	2.19	74	13097	19.59	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18254	18.60	ug/l	99
10) Methyl Iodide	2.51	142	17515	14.73	ug/l	99
11) Tert butyl alcohol	3.07	59	33152	93.04	ug/l	100
12) 1,1-Dichloroethene	2.37	96	16753	17.52	ug/l	94
13) Acrolein	2.29	56	16857	110.78	ug/l	100
14) Allyl chloride	2.73	41	41354	19.36	ug/l	98
15) Acrylonitrile	3.15	53	74984	101.55	ug/l	99
16) Acetone	2.45	43	71271	106.42	ug/l	100
17) Carbon Disulfide	2.57	76	46041	16.14	ug/l	98
18) Methyl Acetate	2.78	43	38849	20.78	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	67209	20.59	ug/l	100
20) Methylene Chloride	2.85	84	20508	18.64	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	18316	18.16	ug/l	100
22) Diisopropyl ether	3.87	45	70289	18.79	ug/l	# 94
23) Vinyl Acetate	3.82	43	278352	86.77	ug/l	100
24) 1,1-Dichloroethane	3.70	63	36950	18.51	ug/l	99
25) 2-Butanone	4.70	43	104064	98.84	ug/l	100
26) 2,2-Dichloropropane	4.59	77	29396	20.08	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	20796	18.67	ug/l	99
28) Bromochloromethane	5.01	49	17671	19.81	ug/l	99
29) Tetrahydrofuran	5.16	42	64937	96.05	ug/l	99
30) Chloroform	5.21	83	36553	18.98	ug/l	98
31) Cyclohexane	5.57	56	28457	16.42	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	30836	19.20	ug/l	99
36) 1,1-Dichloropropene	5.80	75	25754	17.28	ug/l	98
37) Ethyl Acetate	4.86	43	34596	17.65	ug/l	99
38) Carbon Tetrachloride	5.78	117	26758	17.93	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006082.D
 Acq On : 19 Nov 2018 11:14
 Operator : JC/MD
 Sample : VX1119WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1119WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 9:59:31 AM

Quant Time: Nov 19 13:30:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	26284	17.40	ug/l	97
40) Benzene	6.14	78	76478	17.60	ug/l	99
41) Methacrylonitrile	5.06	41	20274	19.14	ug/l	99
42) 1,2-Dichloroethane	6.20	62	28855	18.54	ug/l	100
43) Isopropyl Acetate	6.46	43	50675	17.84	ug/l	98
44) Trichloroethene	7.21	130	20727	18.79	ug/l	98
45) 1,2-Dichloropropane	7.52	63	20950	19.87	ug/l	99
46) Dibromomethane	7.66	93	13722	20.74	ug/l	99
47) Bromodichloromethane	7.90	83	28136	22.50	ug/l	99
48) Methyl methacrylate	7.77	41	25505	20.00	ug/l	98
49) 1,4-Dioxane	7.76	88	11738	427.19	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	189572	105.92	ug/l	99
52) Toluene	8.79	92	48033	19.78	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	29435	19.95	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	32257	21.44	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	21103	19.50	ug/l	99
56) Ethyl methacrylate	9.18	69	28828	17.80	ug/l	100
57) 1,3-Dichloropropane	9.37	76	35035	19.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	85905	102.42	ug/l	99
59) 2-Hexanone	9.49	43	152666	96.77	ug/l	100
60) Dibromochloromethane	9.59	129	22648	19.36	ug/l	99
61) 1,2-Dibromoethane	9.67	107	21572	18.03	ug/l	99
64) Tetrachloroethene	9.34	164	21622	18.33	ug/l	98
65) Chlorobenzene	10.14	112	55357	19.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	20720	21.48	ug/l	99
67) Ethyl Benzene	10.25	91	92244	20.73	ug/l	100
68) m/p-Xylenes	10.36	106	71208	41.95	ug/l	100
69) o-Xylene	10.70	106	33670	22.12	ug/l	98
70) Styrene	10.71	104	57404	22.86	ug/l	100
71) Bromoform	10.86	173	19057	23.56	ug/l #	99
73) Isopropylbenzene	11.02	105	94431	21.33	ug/l	99
74) N-amyl acetate	10.90	43	41786	17.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	34419	21.18	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	33377m	21.41	ug/l	
77) Bromobenzene	11.26	156	25265	20.25	ug/l	100
78) n-propylbenzene	11.36	91	108267	20.75	ug/l	100
79) 2-Chlorotoluene	11.42	91	66076	20.95	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	79399	21.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	10715	21.91	ug/l	99
82) 4-Chlorotoluene	11.51	91	77423	20.83	ug/l	100
83) tert-Butylbenzene	11.77	119	78695	20.68	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	82809	19.88	ug/l	99
85) sec-Butylbenzene	11.94	105	96671	20.77	ug/l	100
86) p-Isopropyltoluene	12.07	119	86171	20.90	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	46713	19.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	47385	19.33	ug/l	98
89) n-Butylbenzene	12.39	91	74315	19.45	ug/l	99
90) Hexachloroethane	12.60	117	14328	20.82	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	47201	19.68	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8683	21.90	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
Data File : VX006082.D
Acq On : 19 Nov 2018 11:14
Operator : JC/MD
Sample : VX1119WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

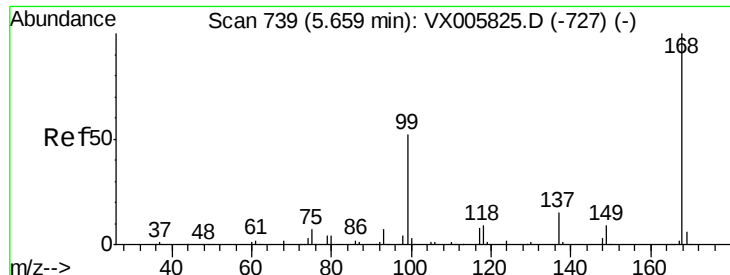
Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM

Quant Time: Nov 19 13:30:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	34279	20.30	ug/l	99
94) Hexachlorobutadiene	13.78	225	16880	19.03	ug/l	99
95) Naphthalene	13.83	128	103823	19.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	35137	20.42	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion:168 Resp: 108195

Ion Ratio Lower Upper

168 100

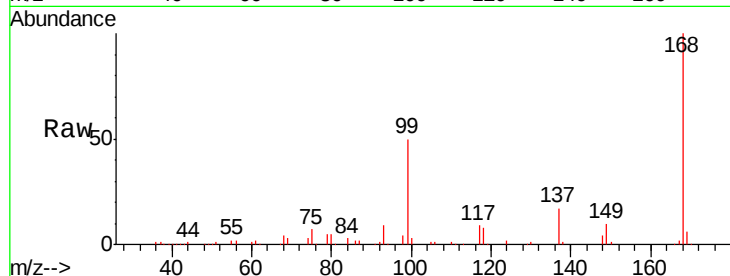
99 50.3 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

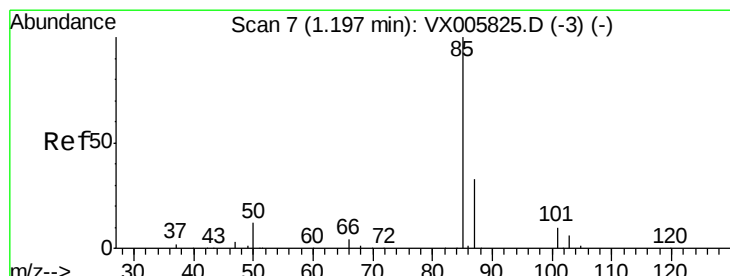
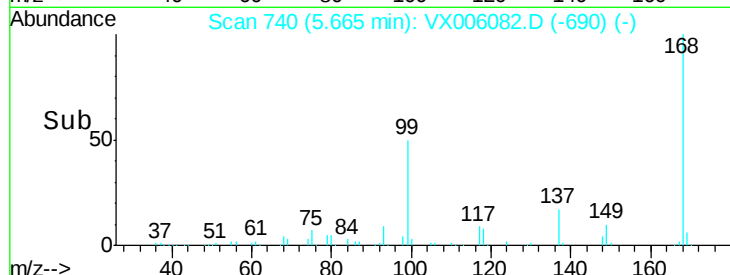
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.15 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006082.D

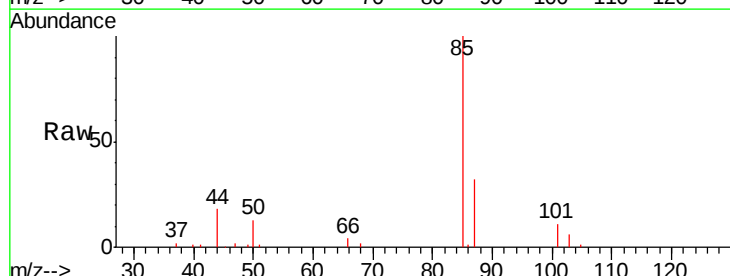
Acq: 19 Nov 2018 11:14

Tgt Ion: 85 Resp: 14780

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

15000

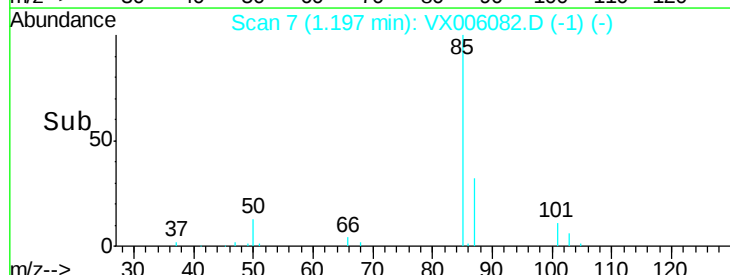
10000

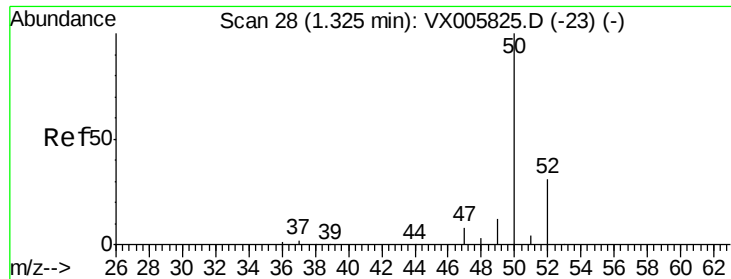
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.52 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 50 Resp: 19873

Ion Ratio Lower Upper

50 100

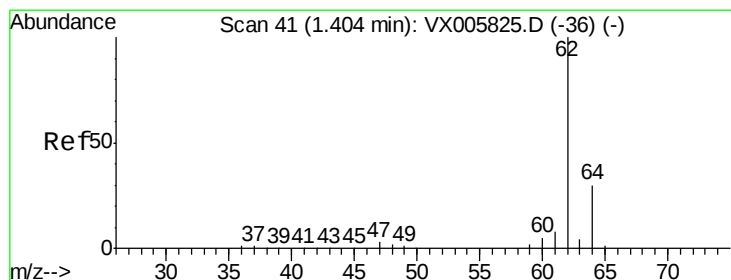
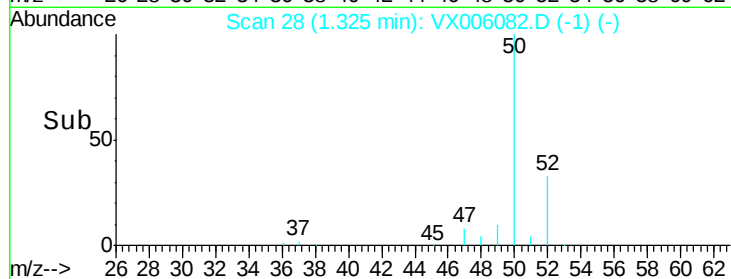
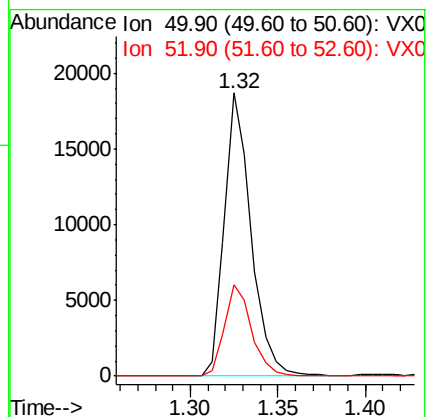
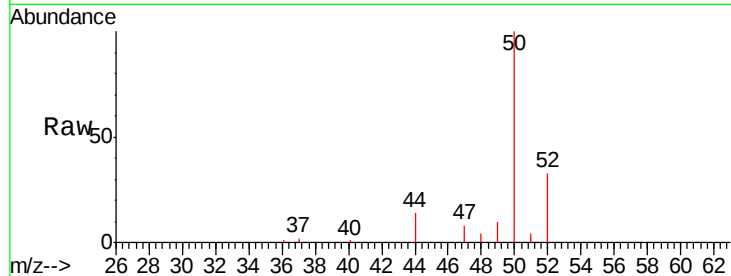
52 32.5 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#4

Vinyl Chloride

Concen: 16.33 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX006082.D

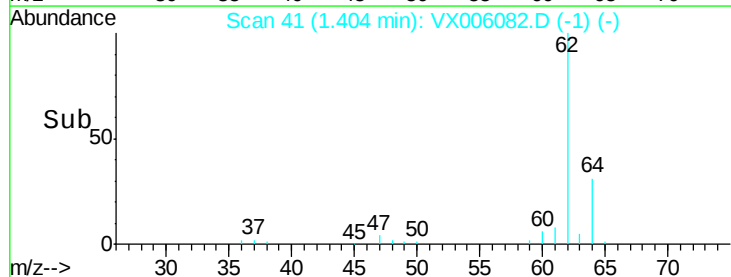
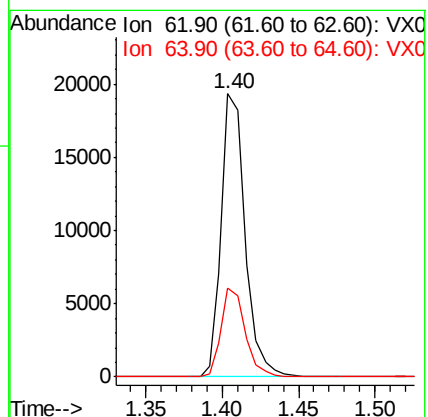
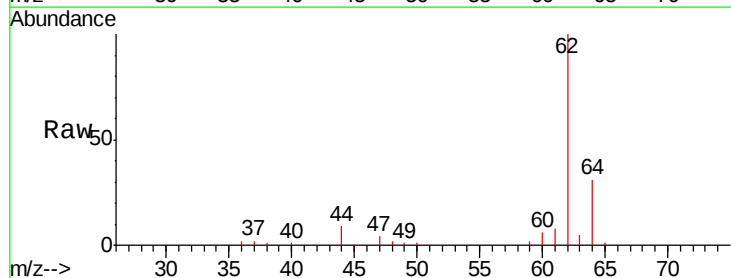
Acq: 19 Nov 2018 11:14

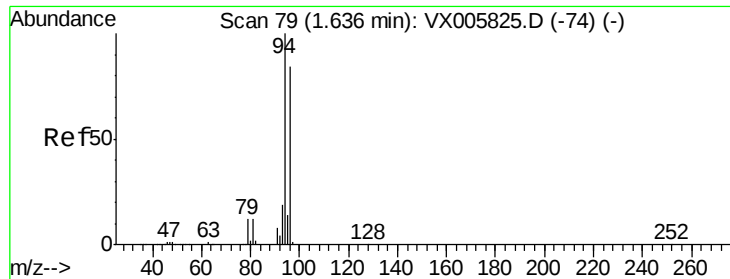
Tgt Ion: 62 Resp: 20982

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 17.04 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 94 Resp: 13405

Ion Ratio Lower Upper

94 100

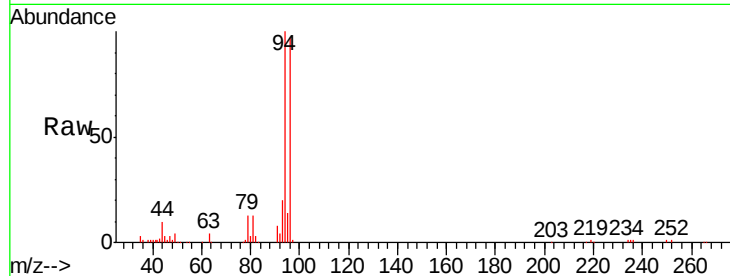
96 96.5 75.2 112.8

Manual Integrations

APPROVED

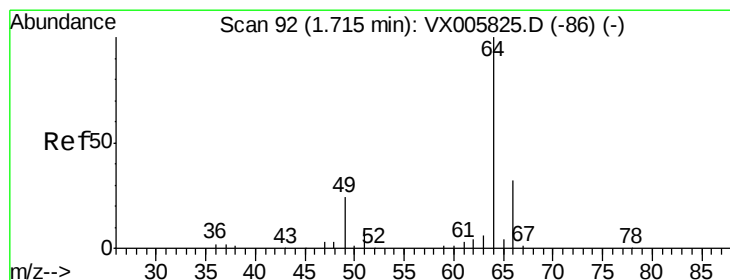
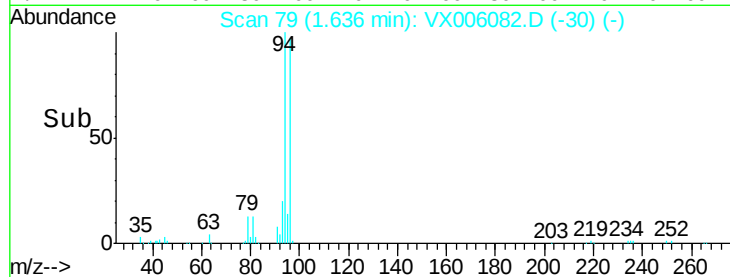
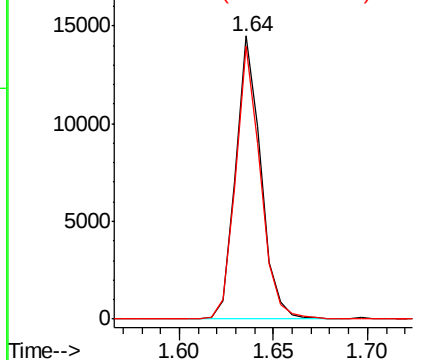
MMDadoda

11/20/2018 9:59:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.90 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006082.D

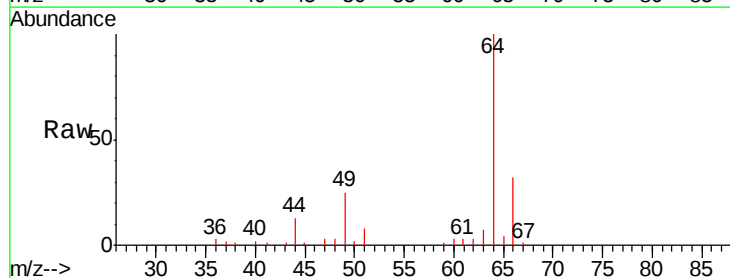
Acq: 19 Nov 2018 11:14

Tgt Ion: 64 Resp: 13730

Ion Ratio Lower Upper

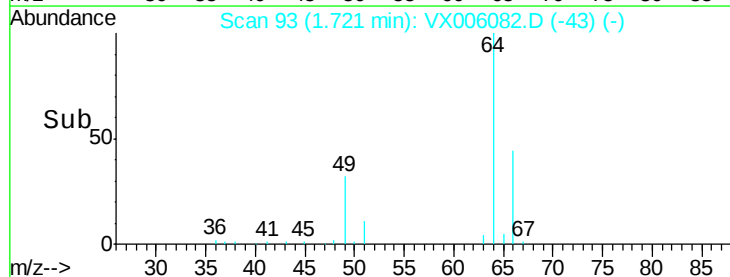
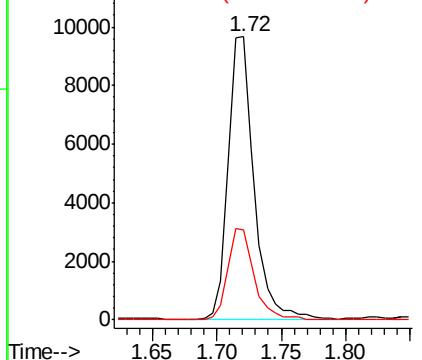
64 100

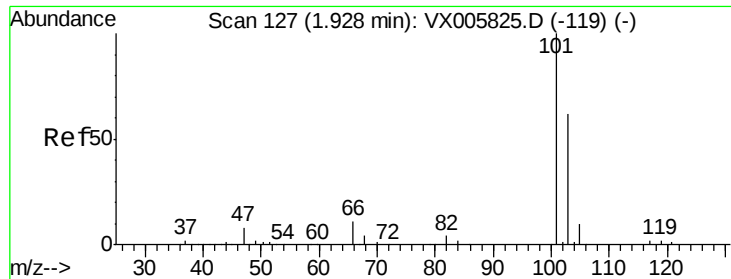
66 32.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 17.88 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion:101 Resp: 30504

Ion Ratio Lower Upper

101 100

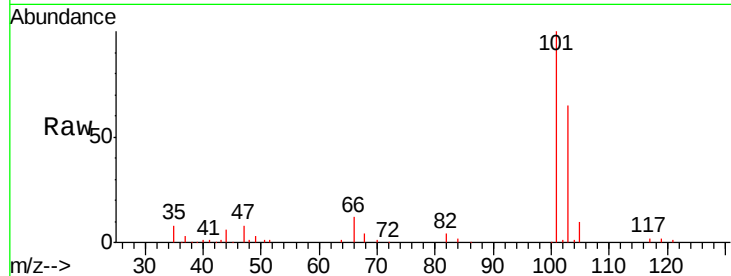
103 65.1 50.0 75.0

Manual Integrations

APPROVED

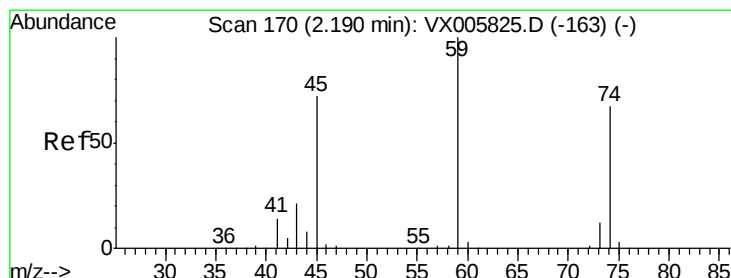
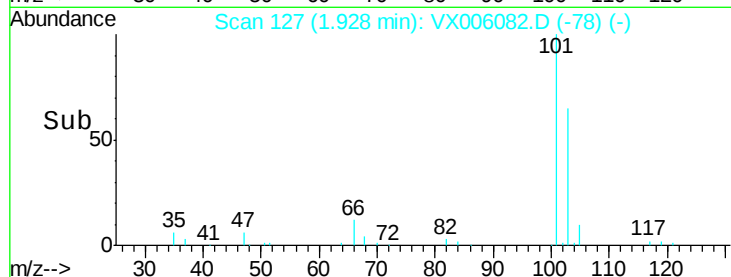
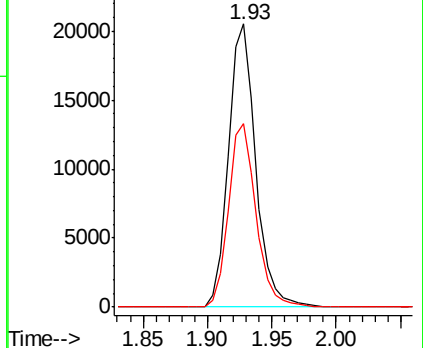
MMDadoda

11/20/2018 9:59:31 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.59 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX006082.D

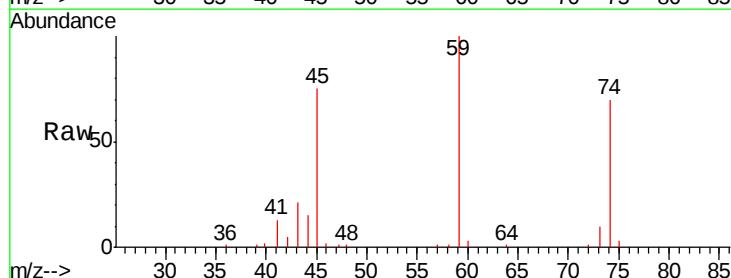
Acq: 19 Nov 2018 11:14

Tgt Ion: 74 Resp: 13097

Ion Ratio Lower Upper

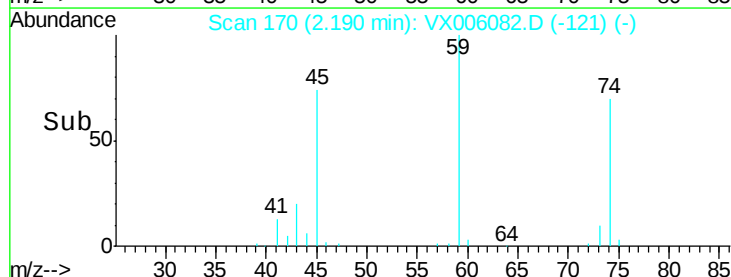
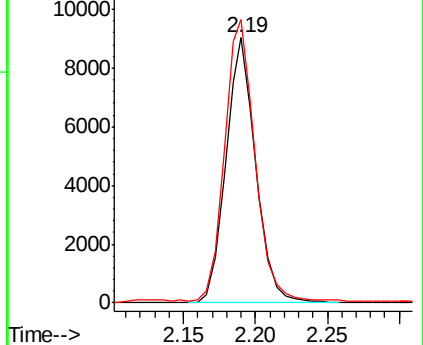
74 100

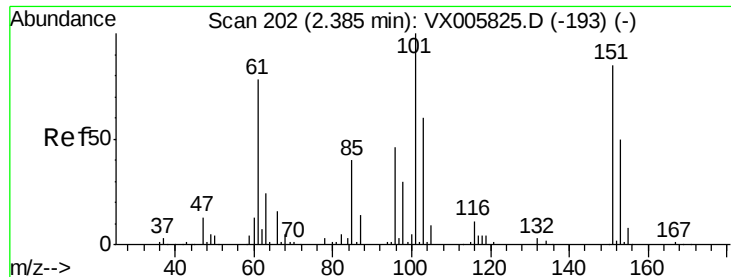
45 108.2 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





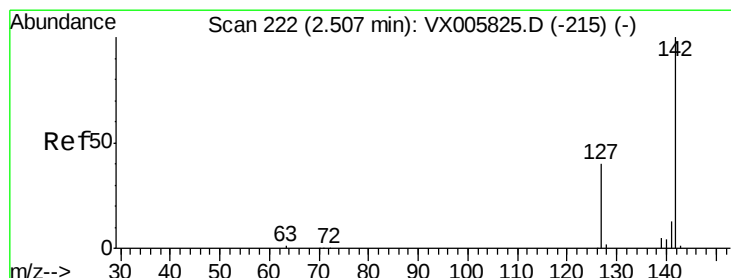
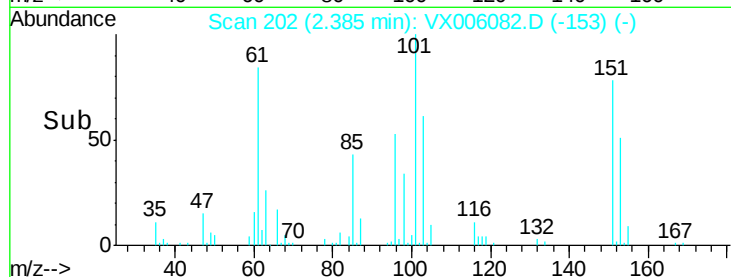
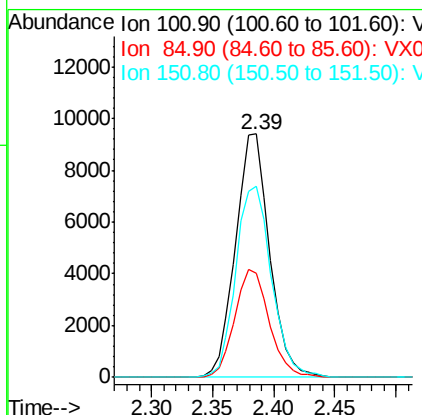
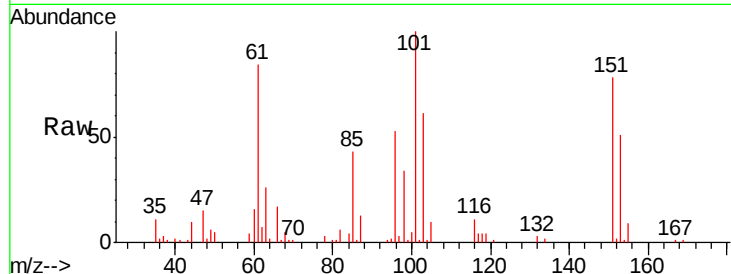
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.60 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	18254		
85	44.5	35.0	52.4	
151	82.0	66.2	99.2	

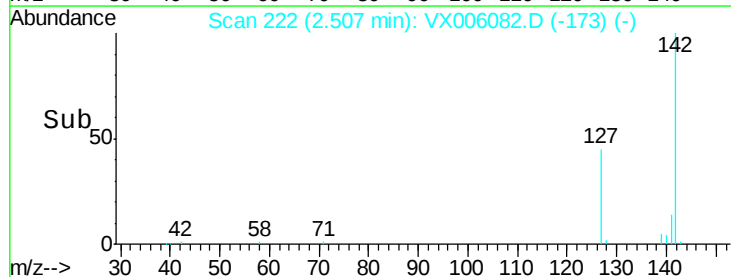
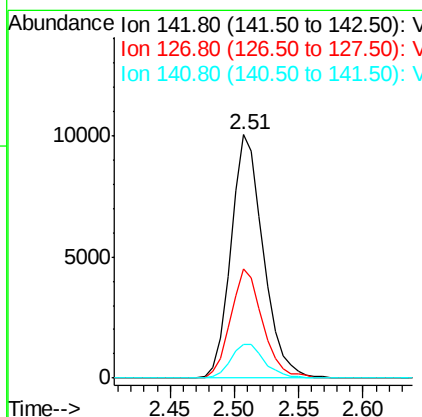
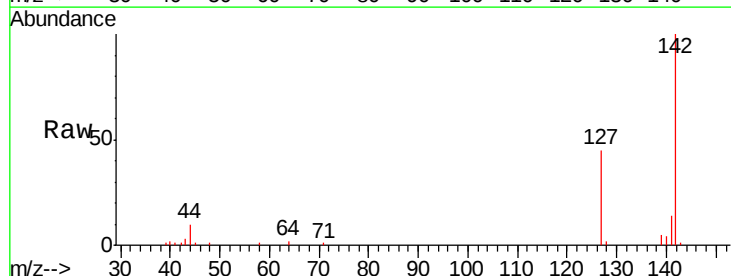
Manual Integrations
 APPROVED

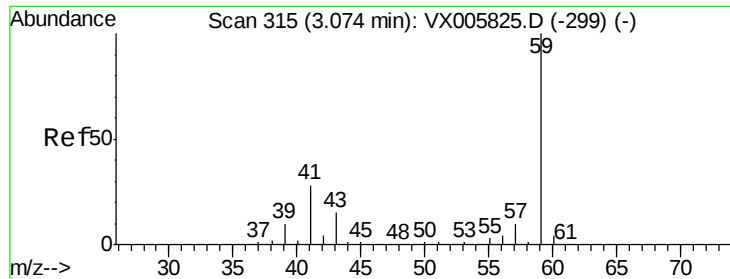
MMDadoda
 11/20/2018 9:59:31 AM



#10
 Methyl Iodide
 Concen: 14.73 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	17515		
127	44.3	36.0	54.0	
141	14.4	11.7	17.5	





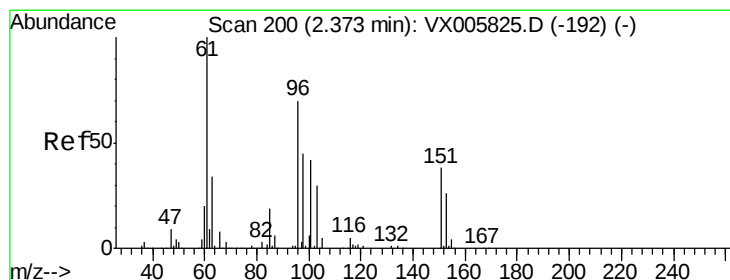
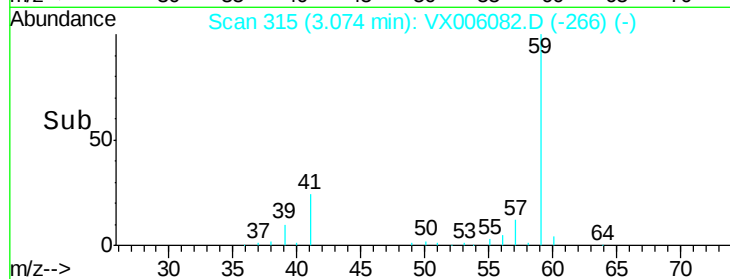
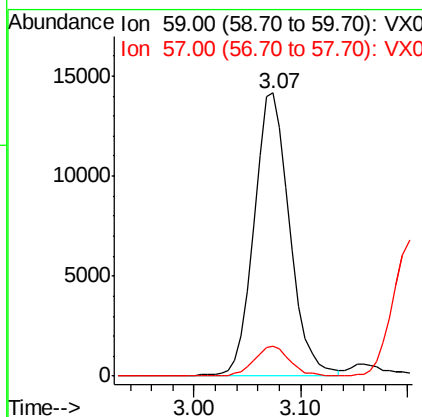
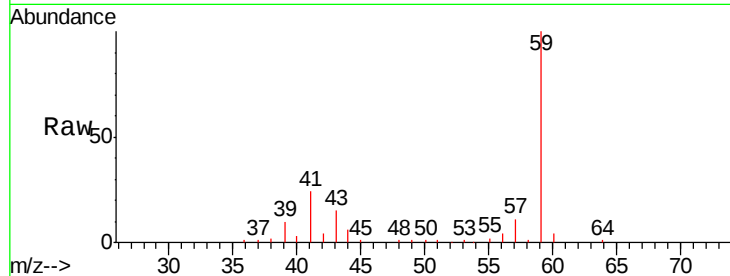
#11
Tert butyl alcohol
Concen: 93.04 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion: 59 Resp: 33152
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

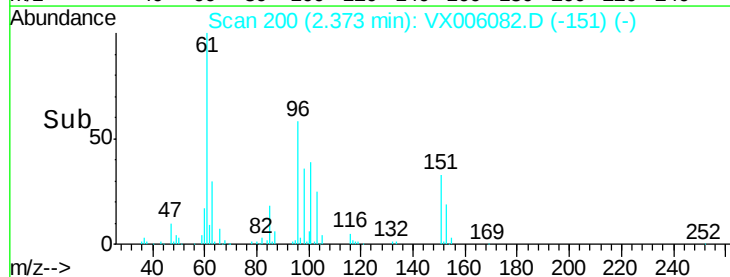
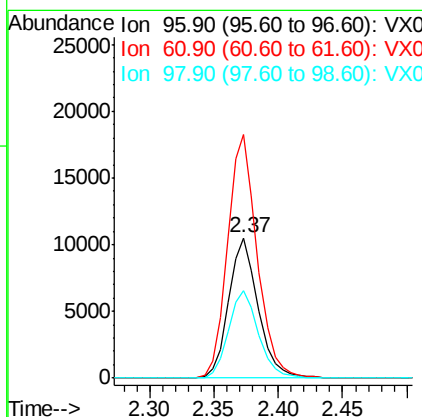
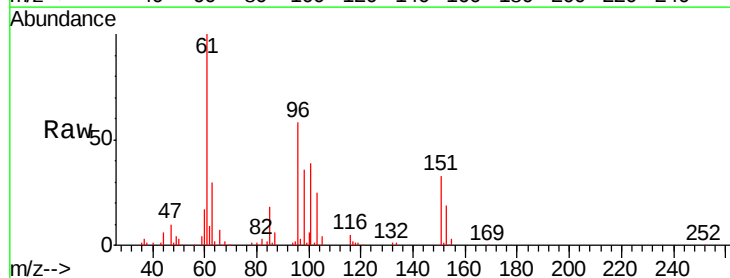
Manual Integrations
APPROVED

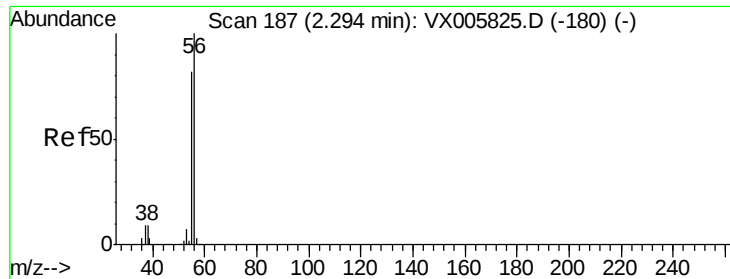
MMDadoda
11/20/2018 9:59:31 AM



#12
1,1-Dichloroethene
Concen: 17.52 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion: 96 Resp: 16753
Ion Ratio Lower Upper
96 100
61 173.2 131.8 197.8
98 62.6 53.4 80.2





#13

Acrolein

Concen: 110.78 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 56 Resp: 16857

Ion Ratio Lower Upper

56 100

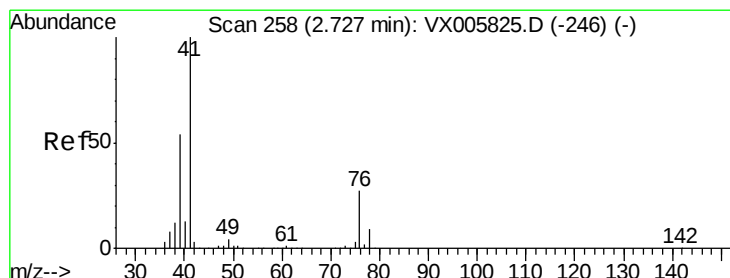
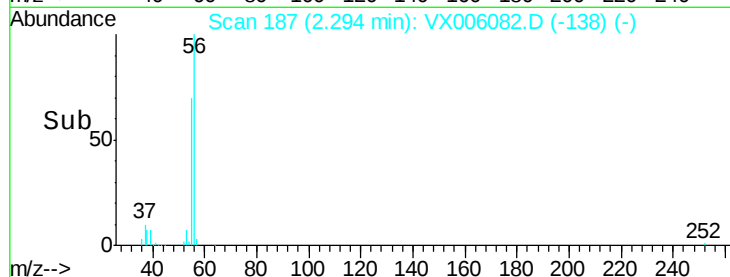
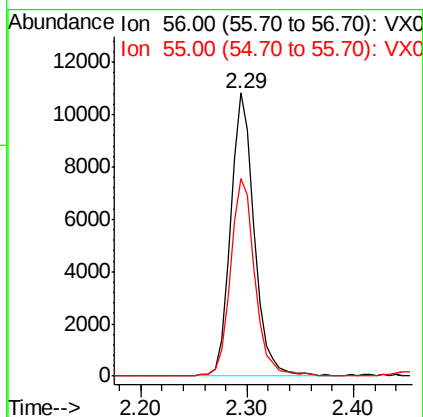
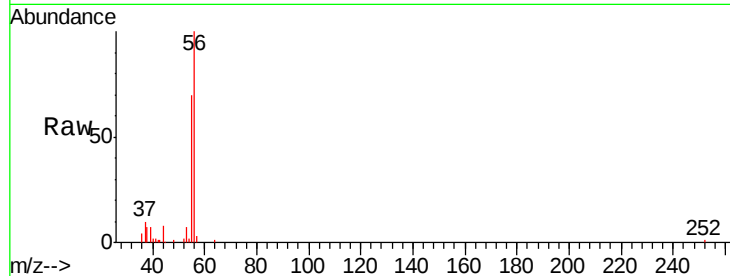
55 71.6 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#14

Allyl chloride

Concen: 19.36 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

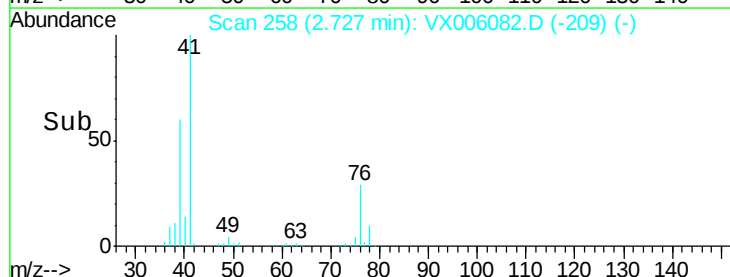
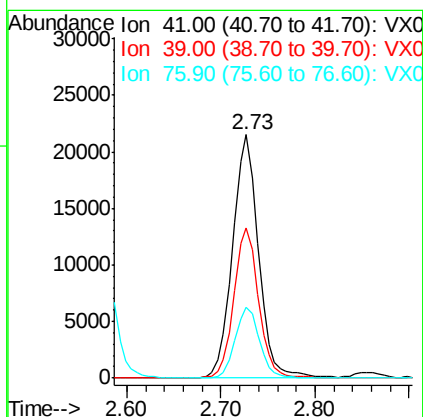
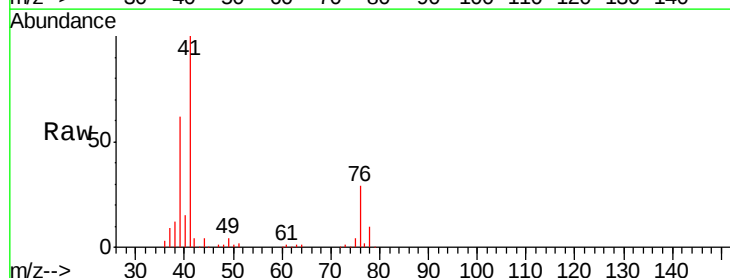
Tgt Ion: 41 Resp: 41354

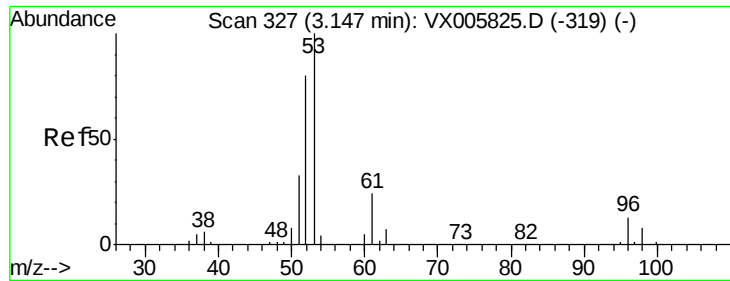
Ion Ratio Lower Upper

41 100

39 58.7 48.2 72.4

76 27.4 21.9 32.9





#15

Acrylonitrile

Concen: 101.55 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

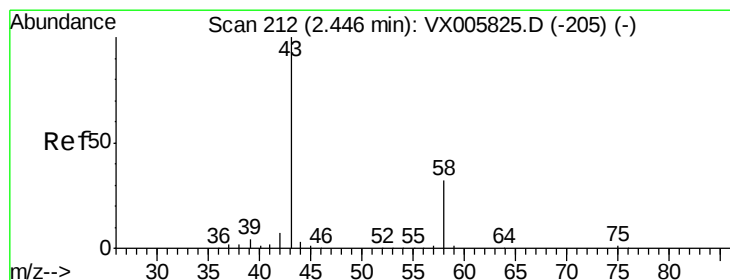
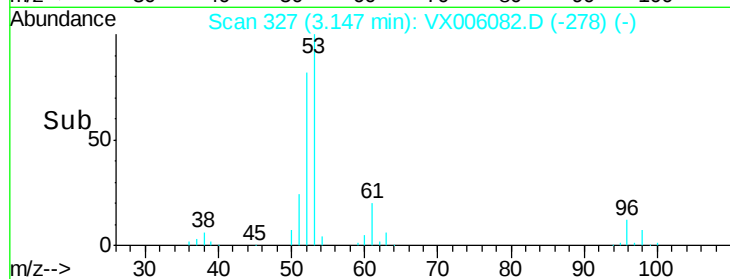
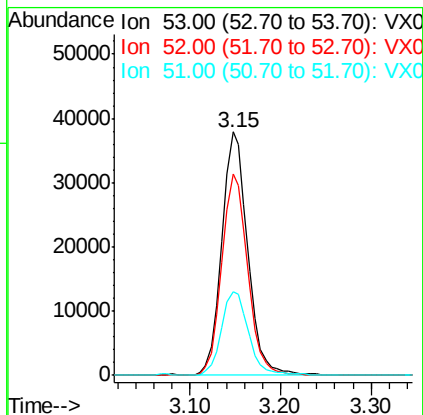
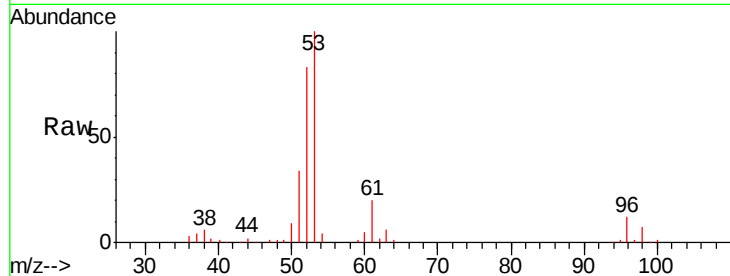
ClientSampleId :

VX1119WBS01

Tgt Ion:	53	Resp:	74984
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.6	99.8
51	36.3	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#16

Acetone

Concen: 106.42 ug/l

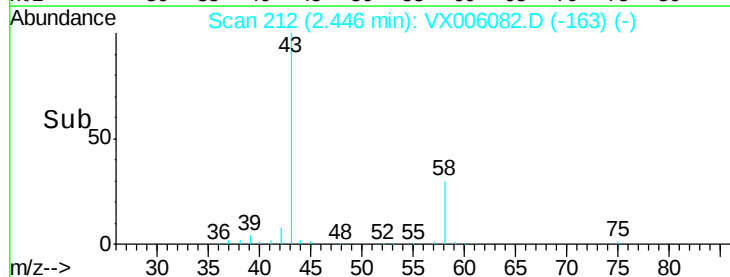
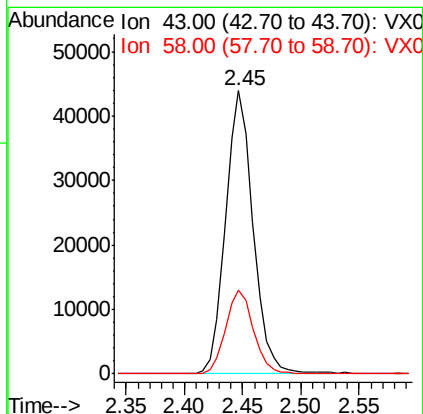
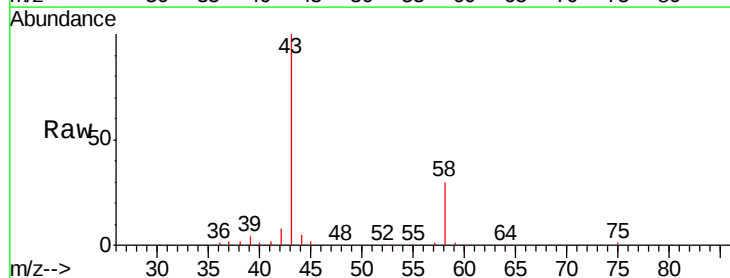
RT: 2.45 min Scan# 212

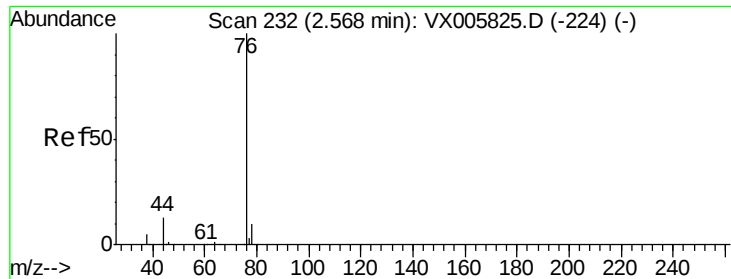
Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion:	43	Resp:	71271
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6





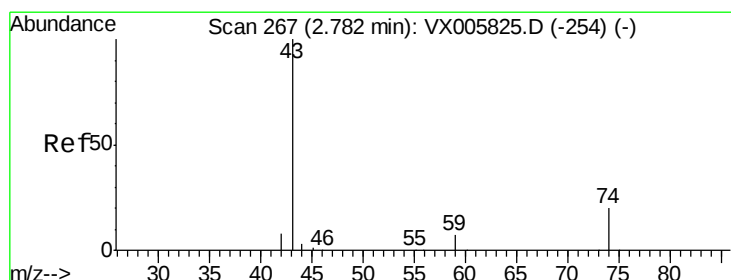
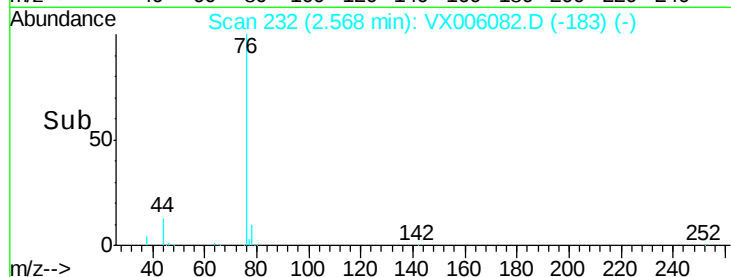
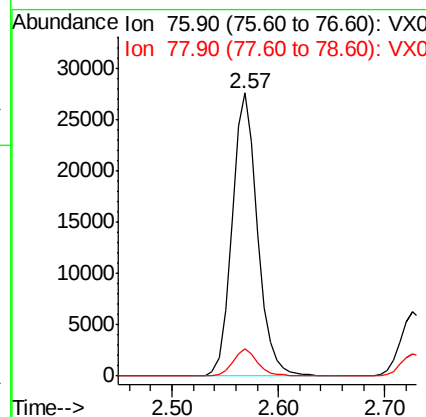
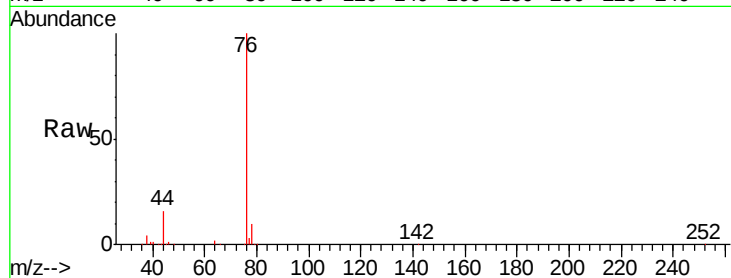
#17
Carbon Disulfide
Concen: 16.14 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9

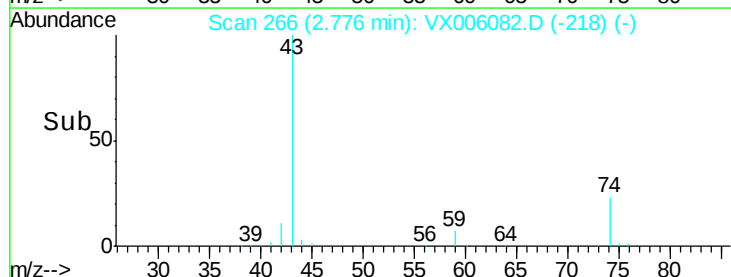
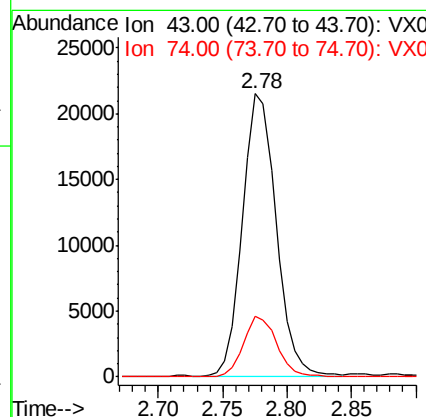
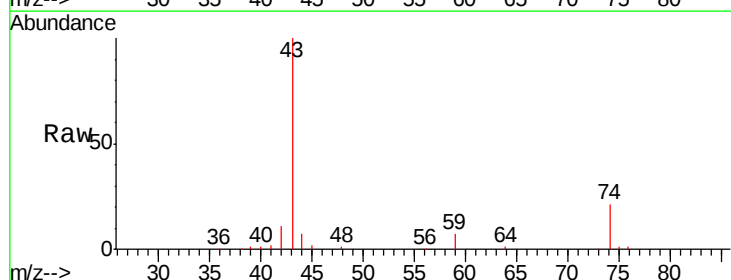
Manual Integrations
APPROVED

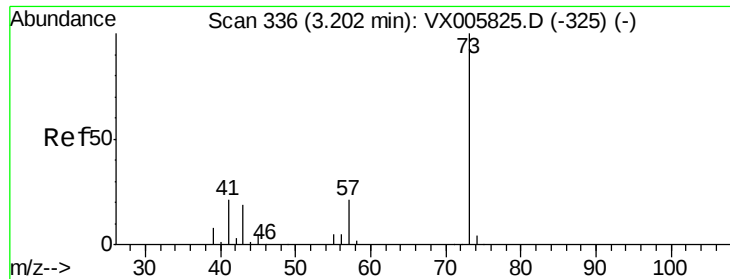
MMDadoda
11/20/2018 9:59:31 AM



#18
Methyl Acetate
Concen: 20.78 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.8	25.2





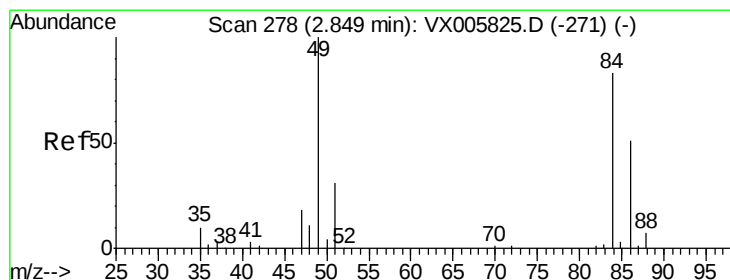
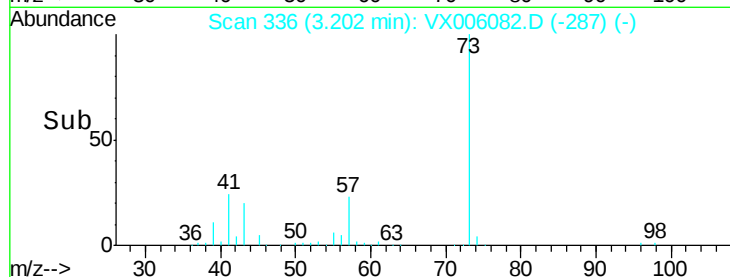
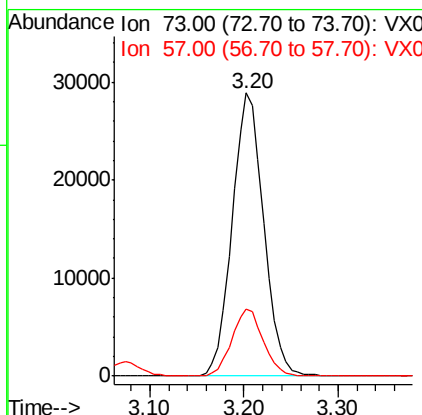
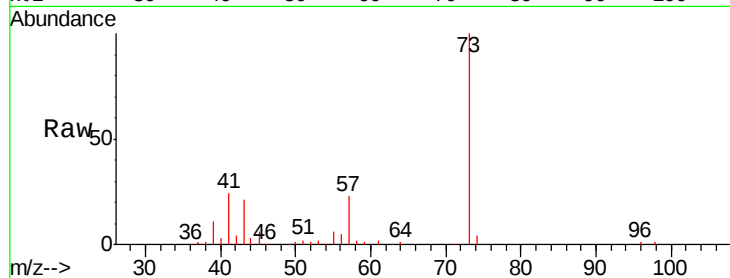
#19
Methyl tert-butyl Ether
Concen: 20.59 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion: 73 Resp: 67209
Ion Ratio Lower Upper
73 100
57 23.5 18.8 28.2

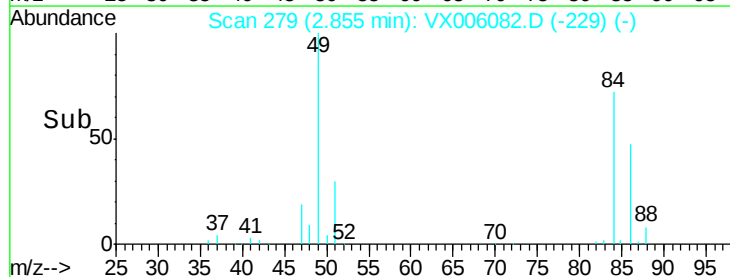
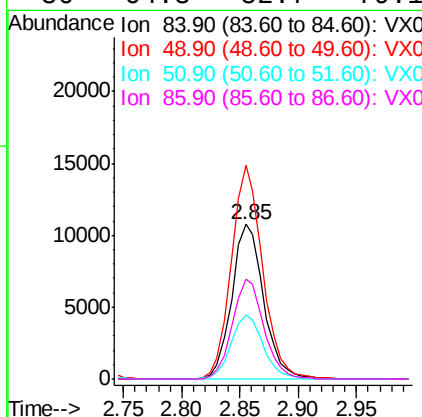
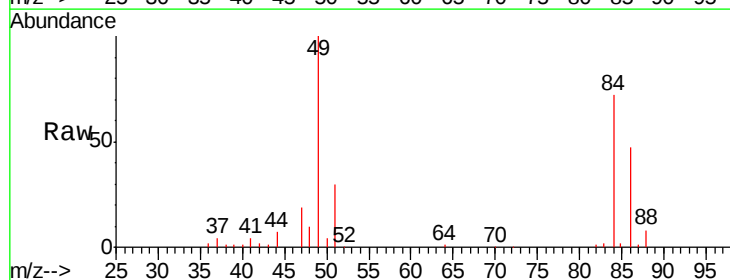
Manual Integrations
APPROVED

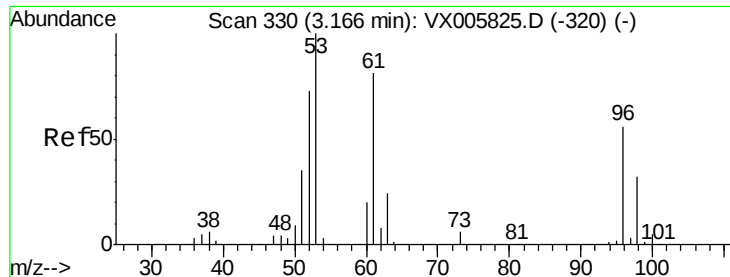
MMDadoda
11/20/2018 9:59:31 AM



#20
Methylene Chloride
Concen: 18.64 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion: 84 Resp: 20508
Ion Ratio Lower Upper
84 100
49 138.0 109.5 164.3
51 41.5 33.3 49.9
86 64.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 18.16 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

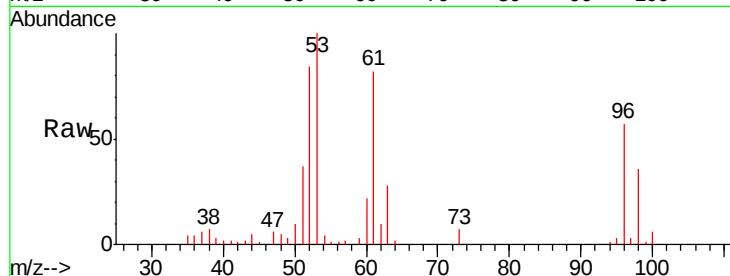
ClientSampleId :

VX1119WBS01

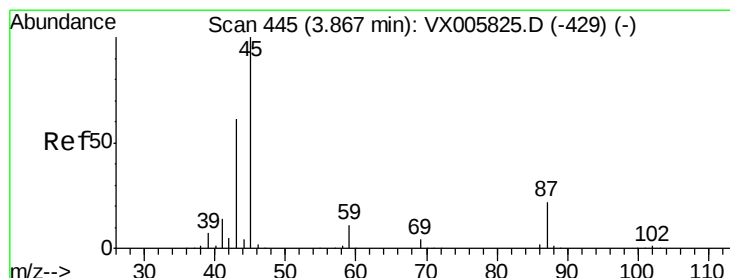
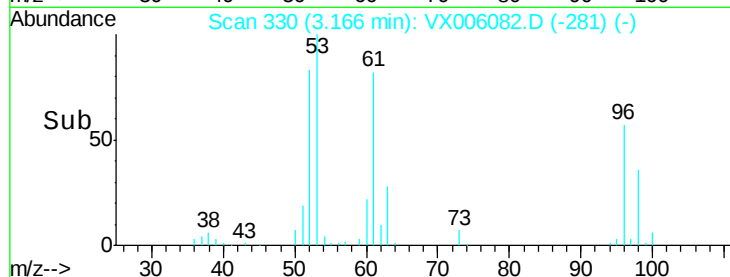
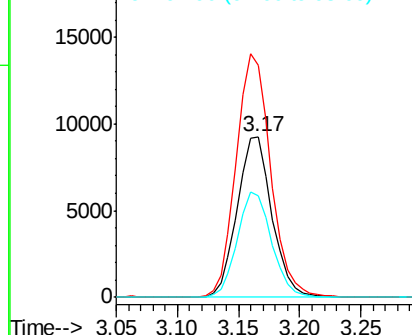
Tgt Ion:	96	Resp:	18316
Ion	Ratio	Lower	Upper
96	100		
61	144.3	115.6	173.4
98	62.9	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



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: 18.79 ug/l

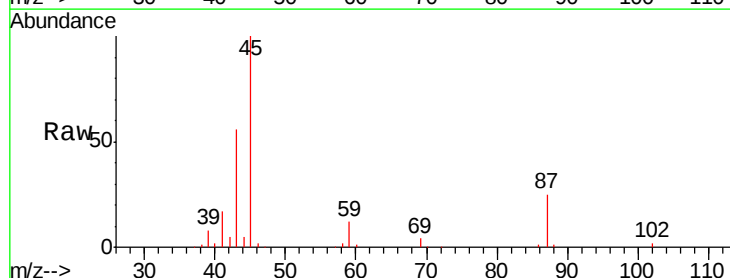
RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

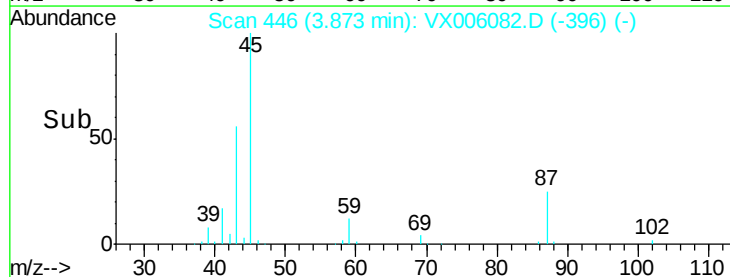
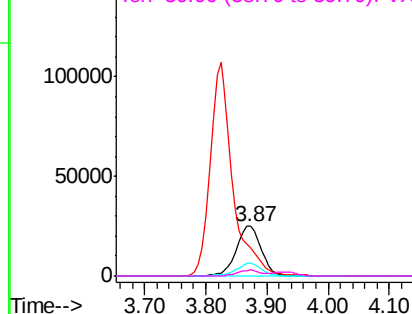
Lab File: VX006082.D

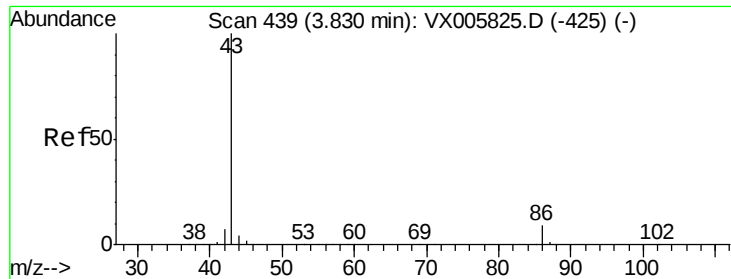
Acq: 19 Nov 2018 11:14

Tgt Ion:	45	Resp:	70289
Ion	Ratio	Lower	Upper
45	100		
43	56.0	47.4	71.2
87	25.1	15.9	23.9#
59	12.0	7.7	11.5#



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: 86.77 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 43 Resp: 278352

Ion Ratio Lower Upper

43 100

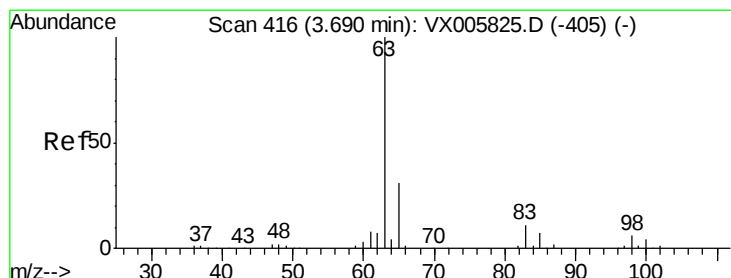
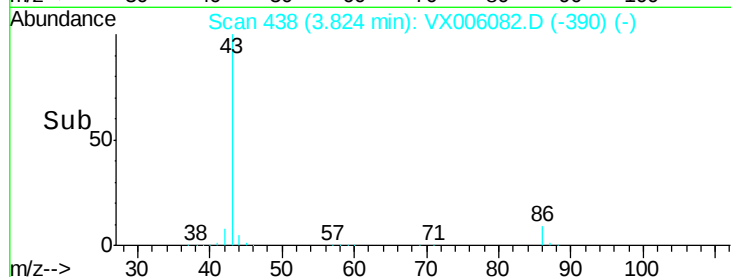
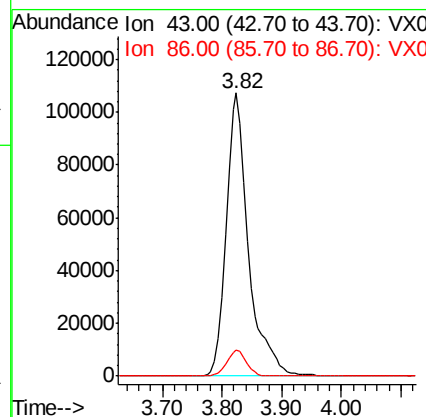
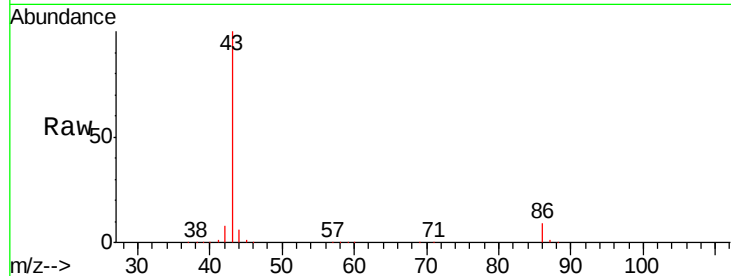
86 9.3 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#24

1,1-Dichloroethane

Concen: 18.51 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

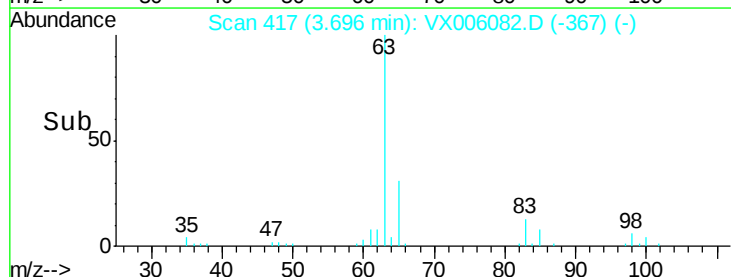
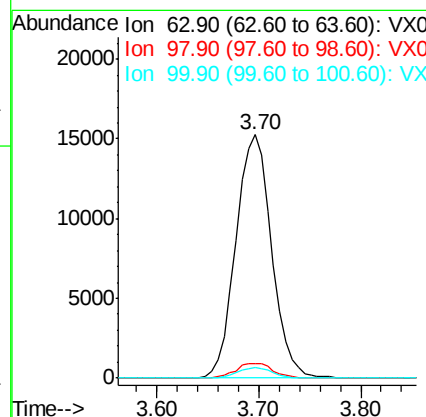
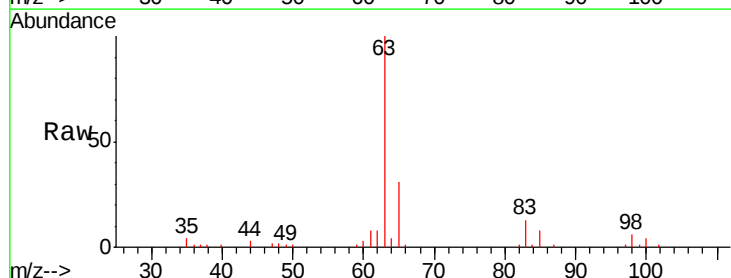
Tgt Ion: 63 Resp: 36950

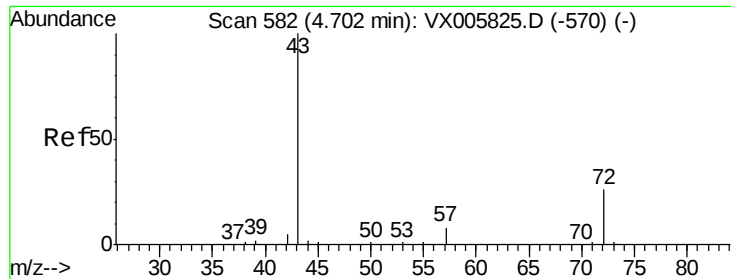
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.3 2.1 6.2





#25

2-Butanone

Concen: 98.84 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 43 Resp: 104064

Ion Ratio Lower Upper

43 100

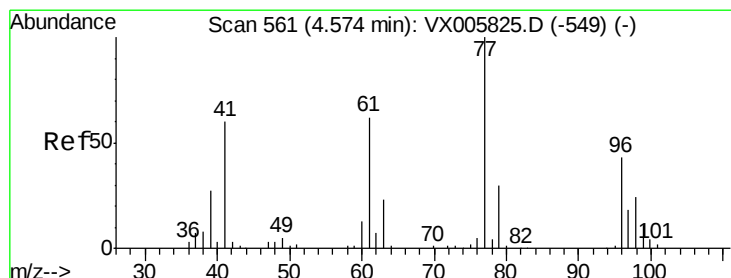
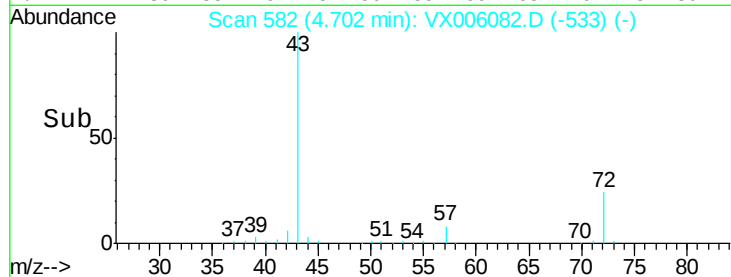
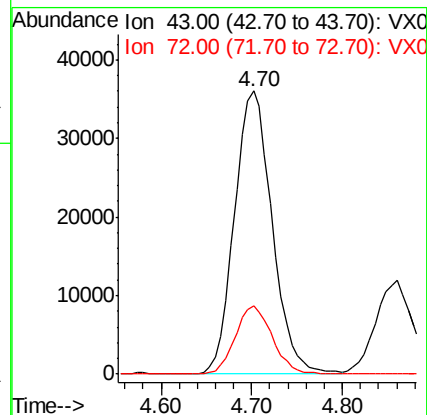
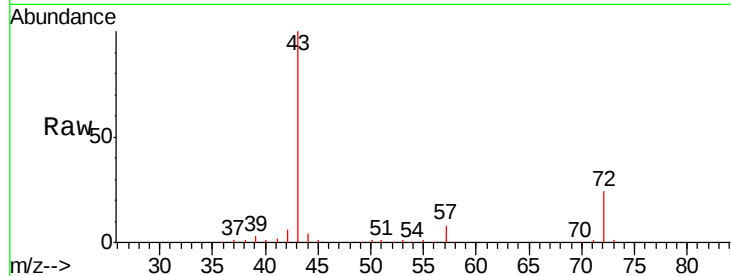
72 24.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#26

2,2-Dichloropropane

Concen: 20.08 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006082.D

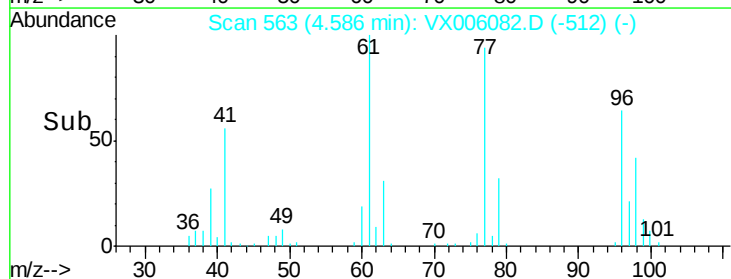
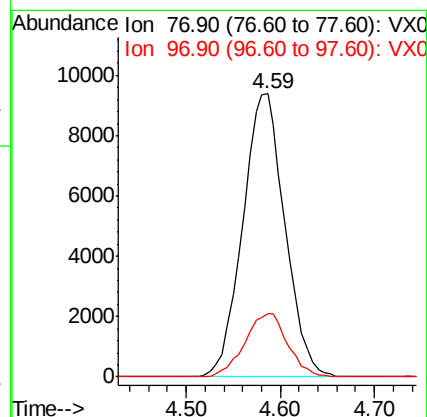
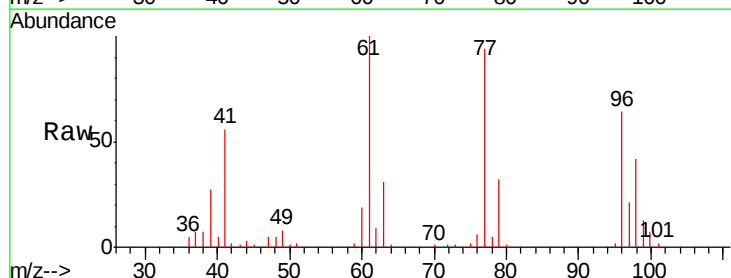
Acq: 19 Nov 2018 11:14

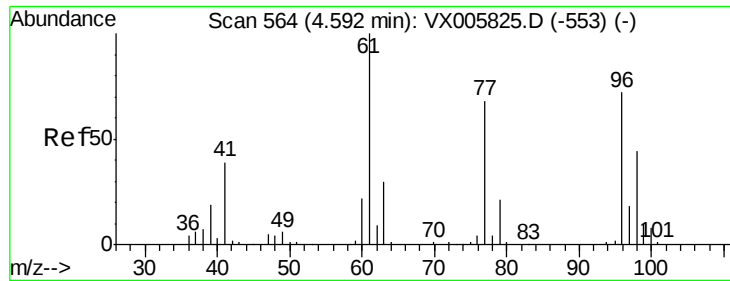
Tgt Ion: 77 Resp: 29396

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5





#27

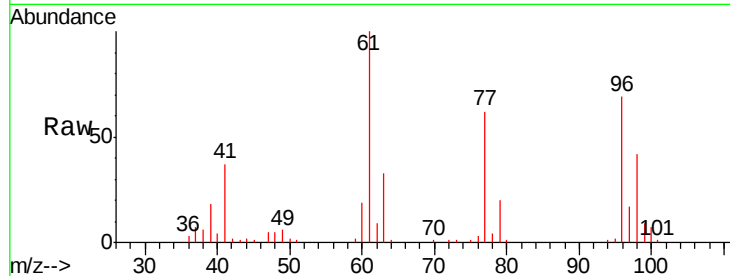
cis-1,2-Dichloroethene
Concen: 18.67 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	304.6
98	63.6	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM

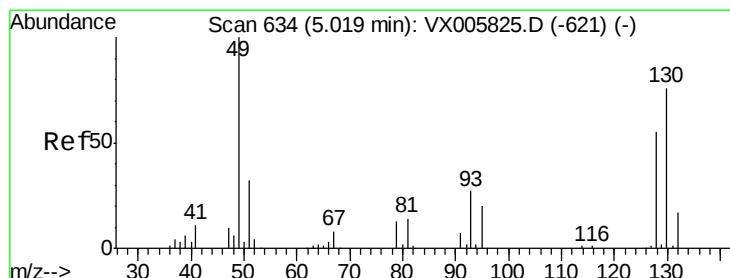
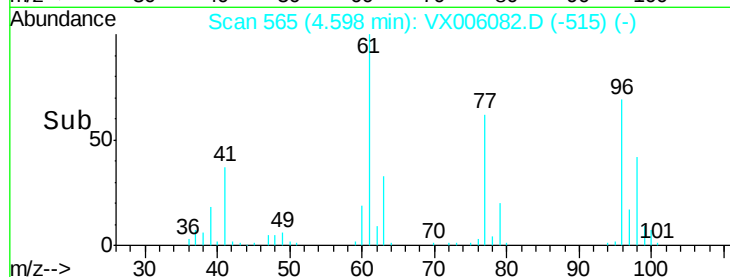
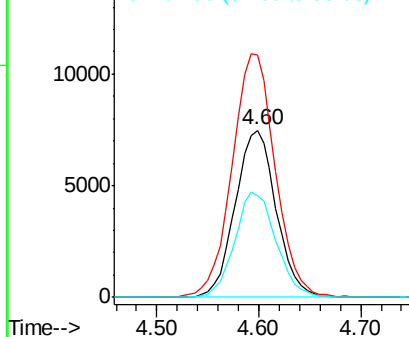


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

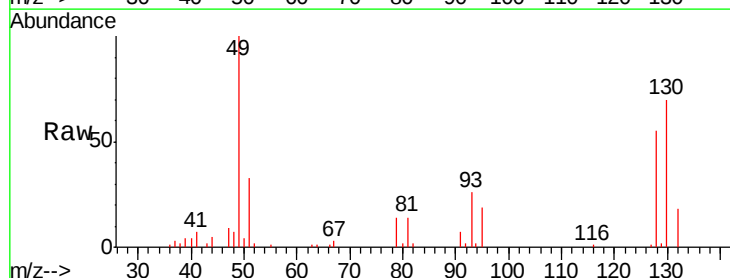
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.81 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	74.2	58.9	88.3

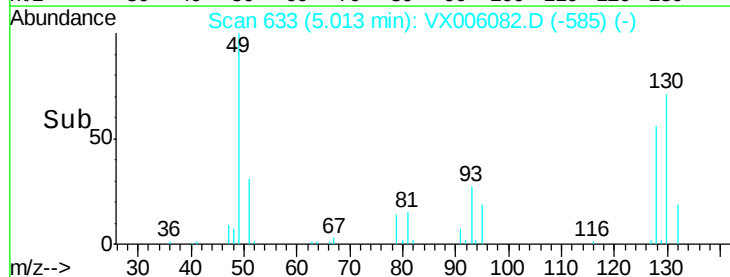
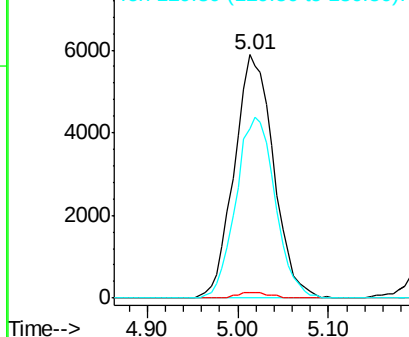


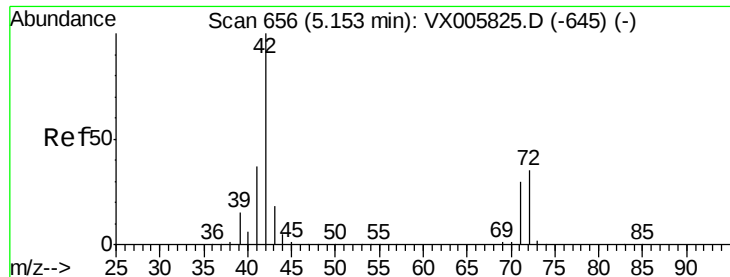
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.05 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

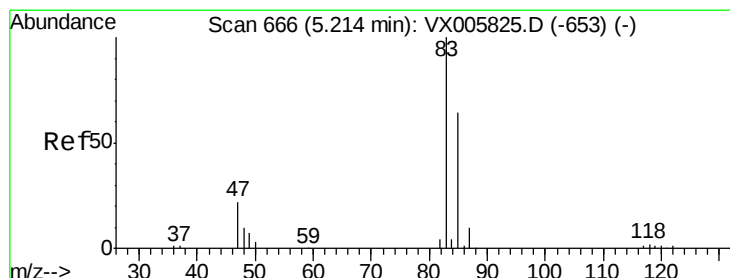
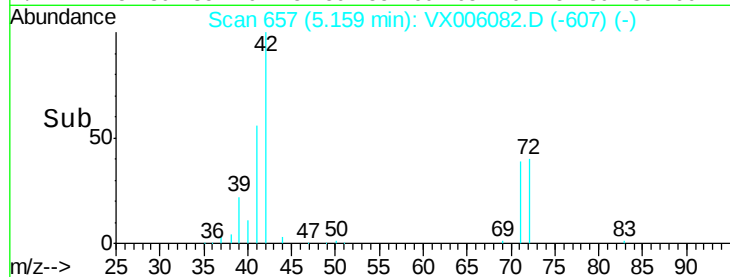
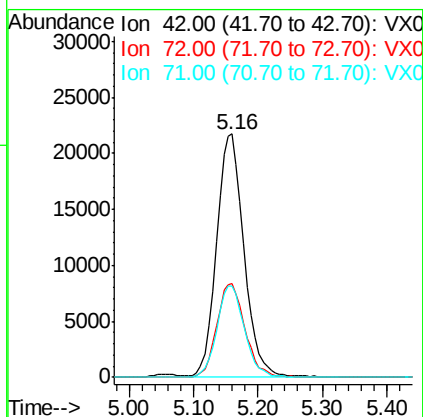
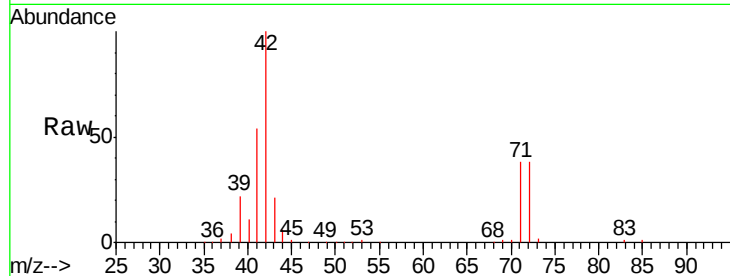
ClientSampleId :

VX1119WBS01

Tgt Ion:	42	Resp:	64937
Ion Ratio	Lower	Upper	
42	100		
72	39.7	32.0	48.0
71	37.9	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#30

Chloroform

Concen: 18.98 ug/l

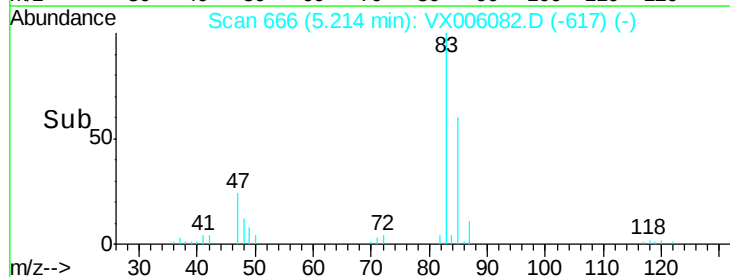
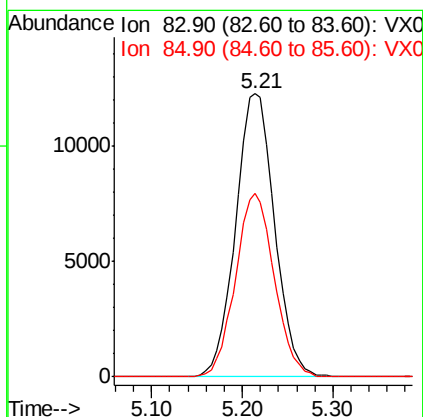
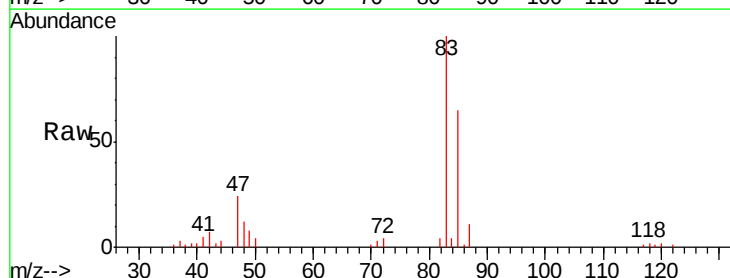
RT: 5.21 min Scan# 666

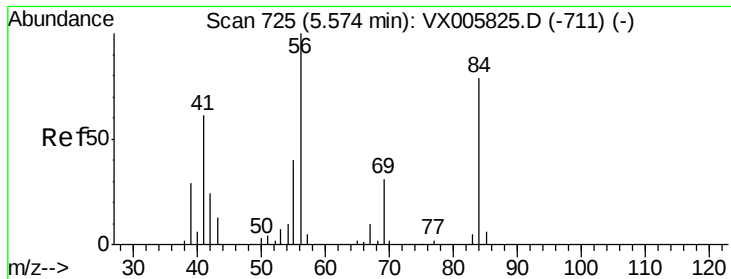
Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion:	83	Resp:	36553
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.6	76.0





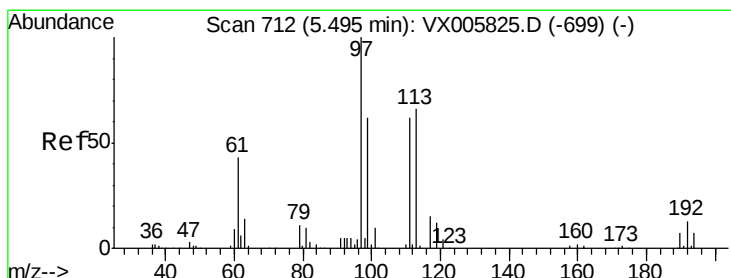
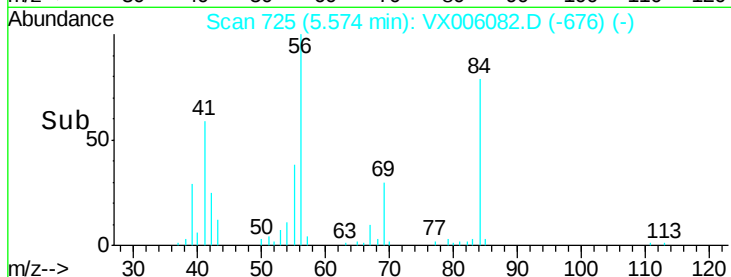
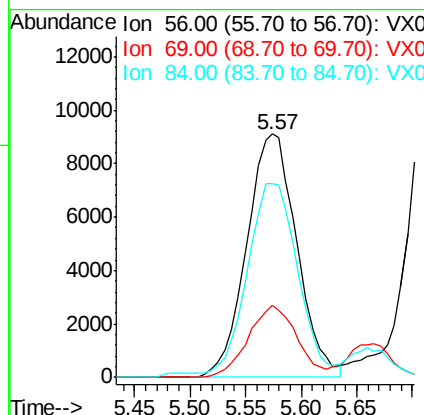
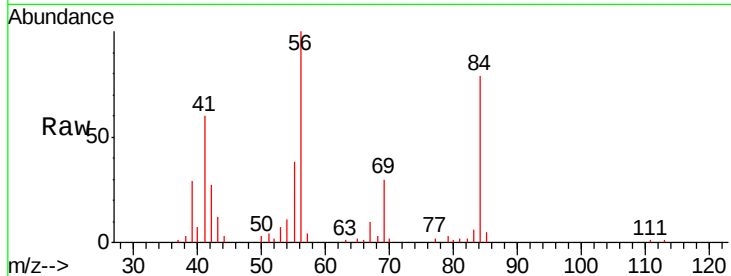
#31
Cyclohexane
Concen: 16.42 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.6	34.0
84	77.4	62.7	94.1

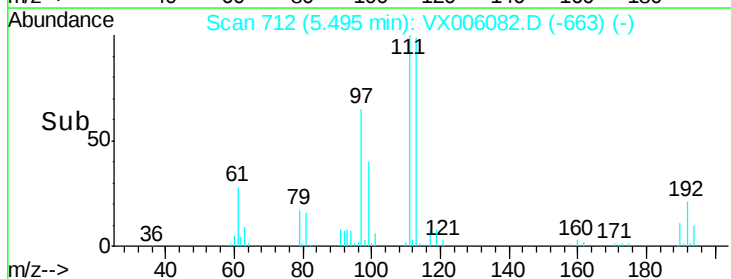
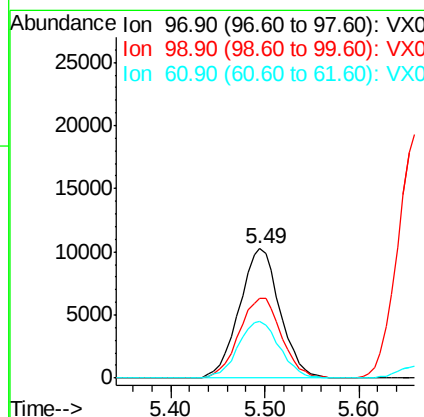
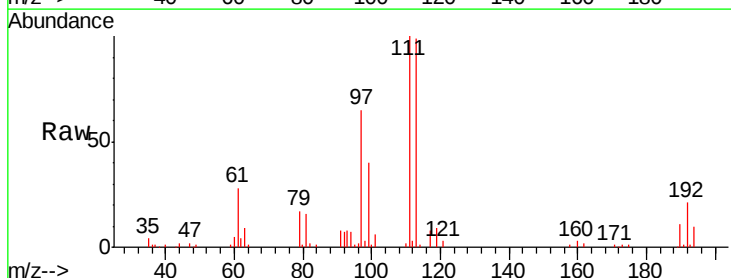
Manual Integrations
APPROVED

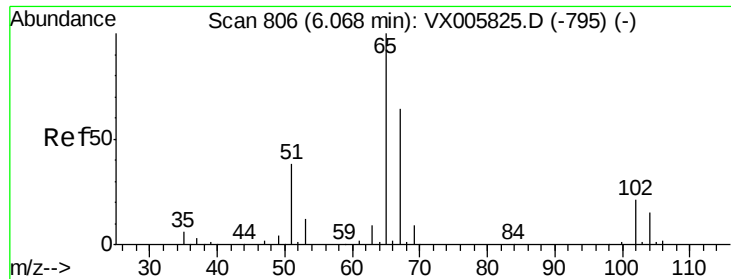
MMDadoda
11/20/2018 9:59:31 AM



#32
1,1,1-Trichloroethane
Concen: 19.20 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	44.6	35.2	52.8





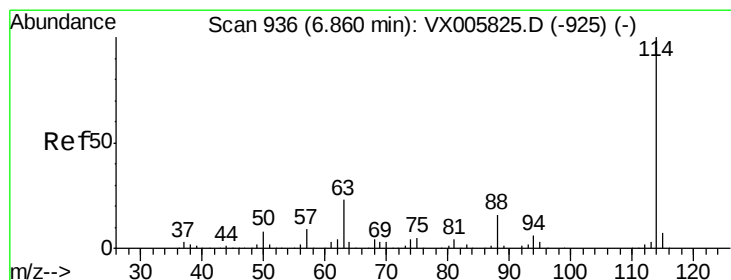
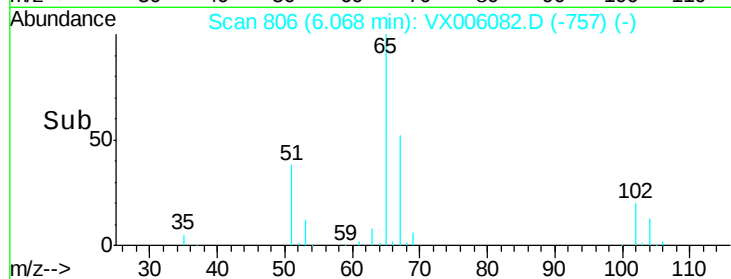
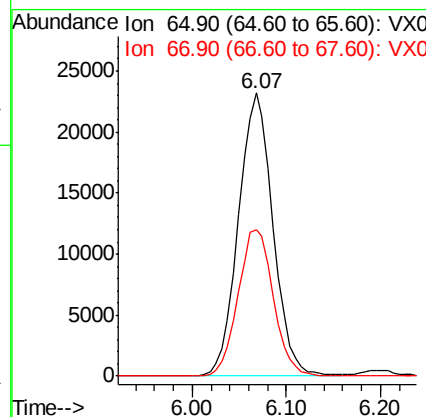
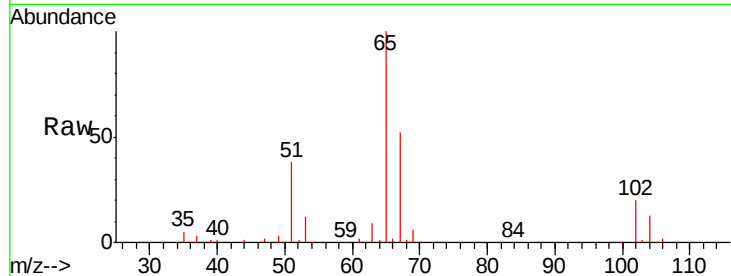
#33
 1,2-Dichloroethane-d4
 Concen: 47.65 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion: 65 Resp: 59266
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0

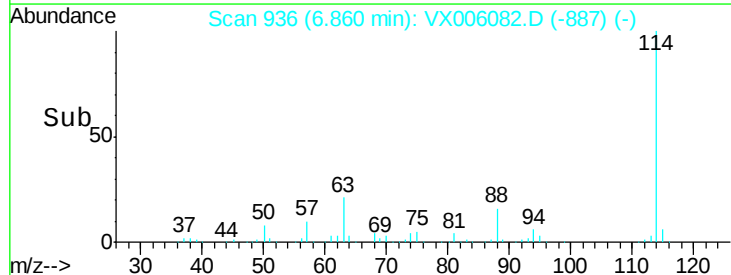
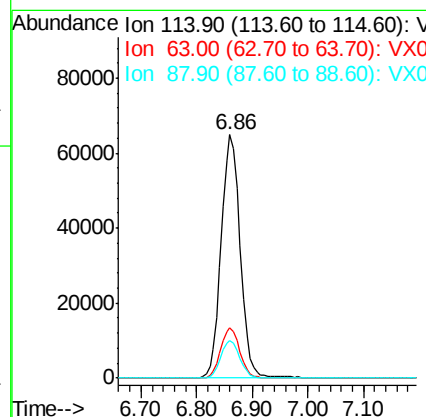
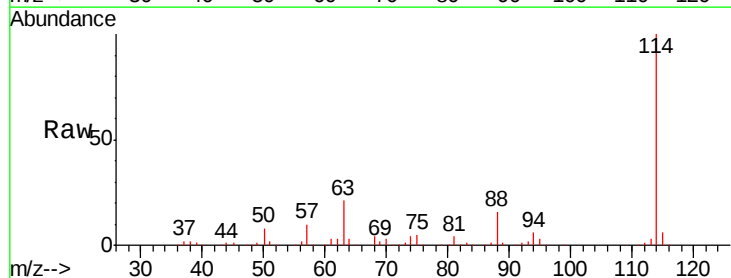
Manual Integrations
 APPROVED

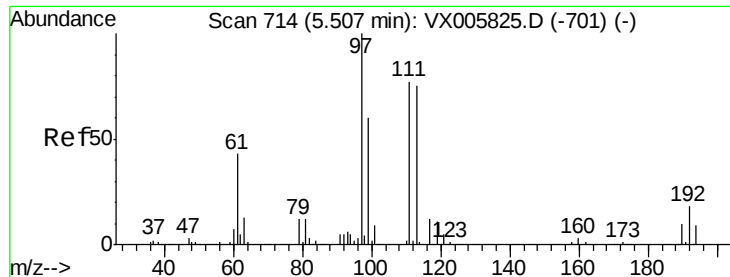
MMDadoda
 11/20/2018 9:59:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion: 114 Resp: 154594
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.96 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

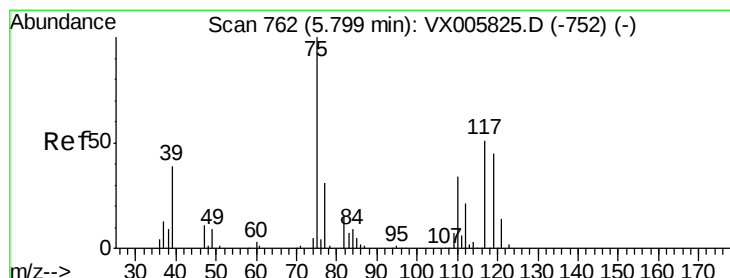
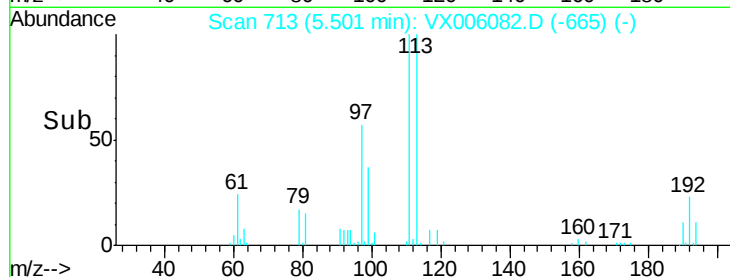
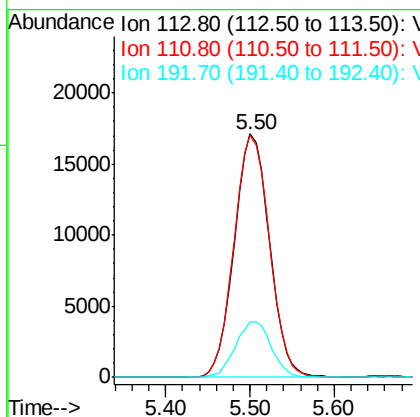
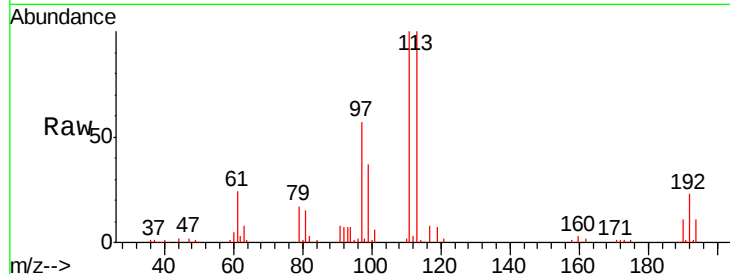
ClientSampleId :

VX1119WBS01

Tgt Ion:	113	Resp:	48329
Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.3	123.5
192	23.1	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#36

1,1-Dichloropropene

Concen: 17.28 ug/l

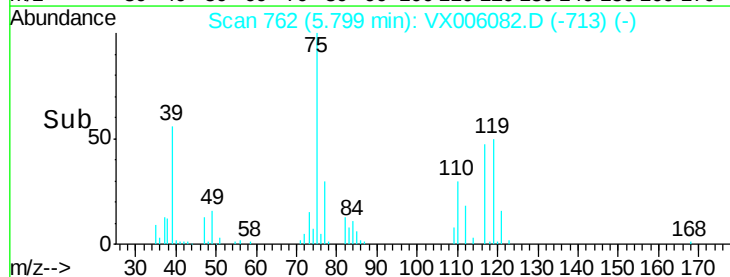
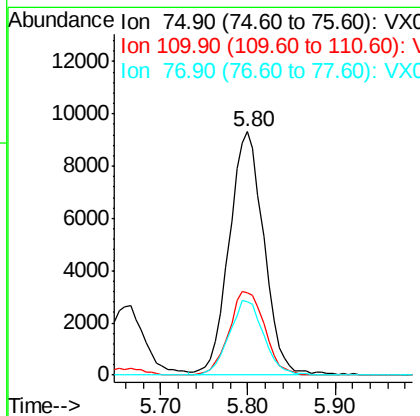
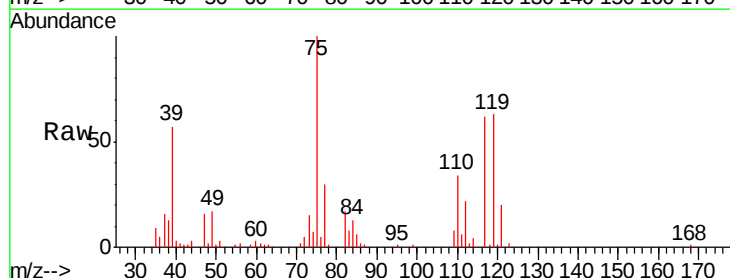
RT: 5.80 min Scan# 762

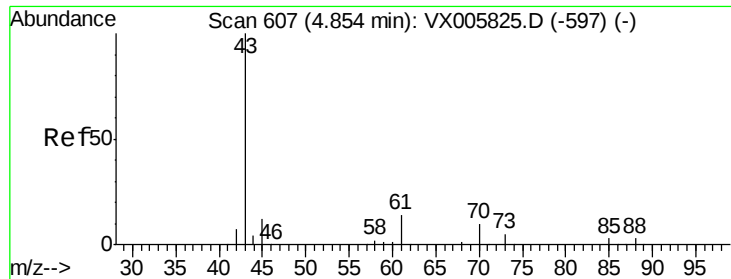
Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion:	75	Resp:	25754
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.4	52.2
77	30.2	25.8	38.6





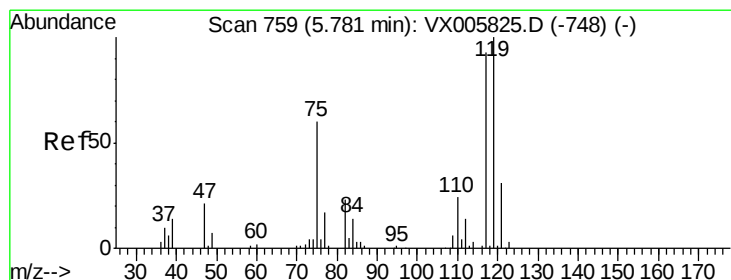
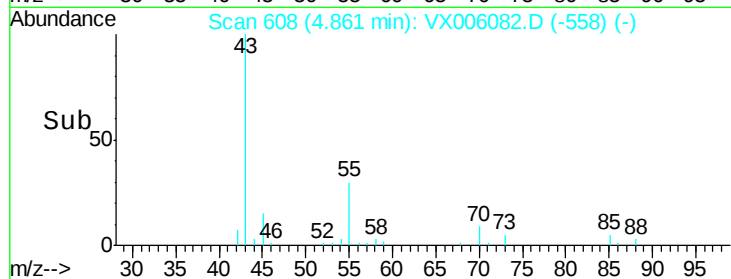
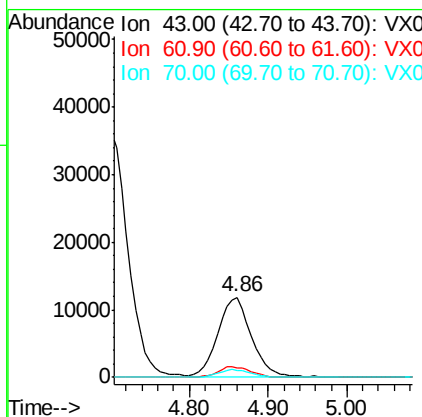
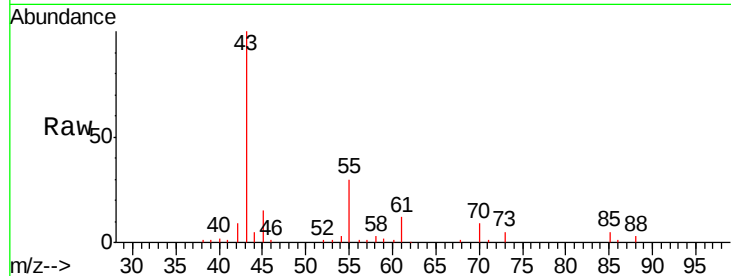
#37
Ethyl Acetate
Concen: 17.65 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.6	7.8	11.8

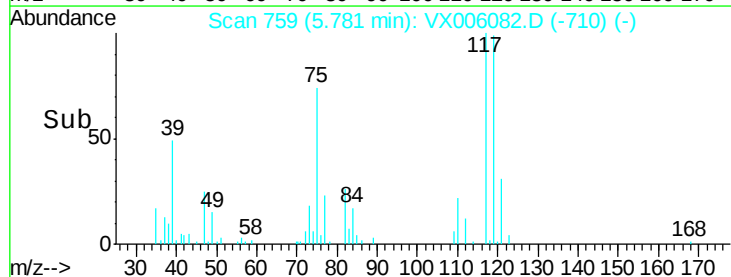
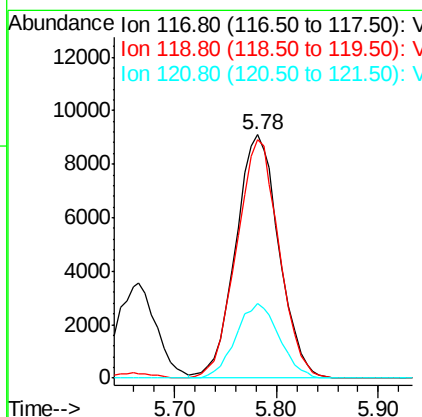
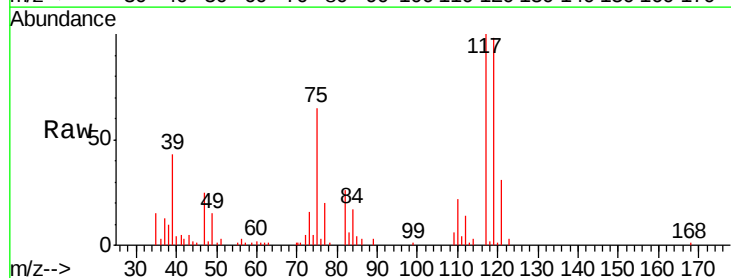
Manual Integrations
APPROVED

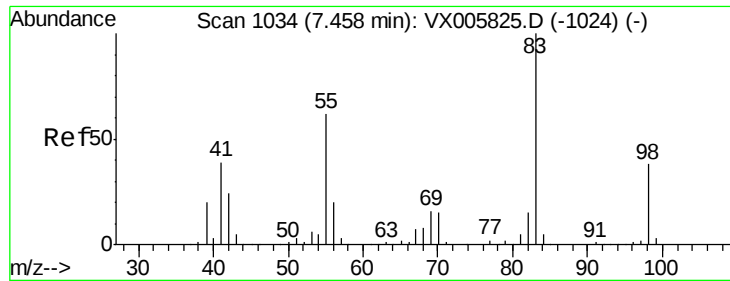
MMDadoda
11/20/2018 9:59:31 AM



#38
Carbon Tetrachloride
Concen: 17.93 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.1	117.1
121	30.9	24.6	36.8





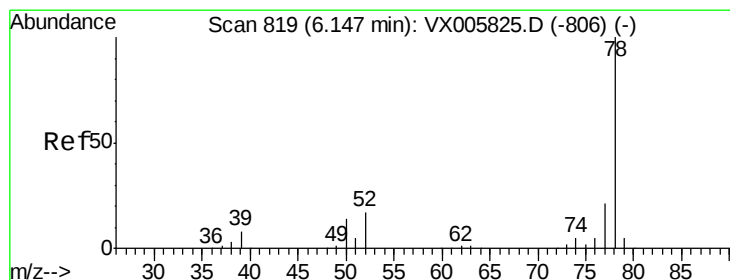
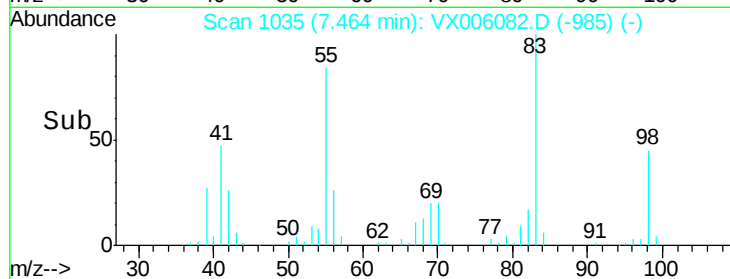
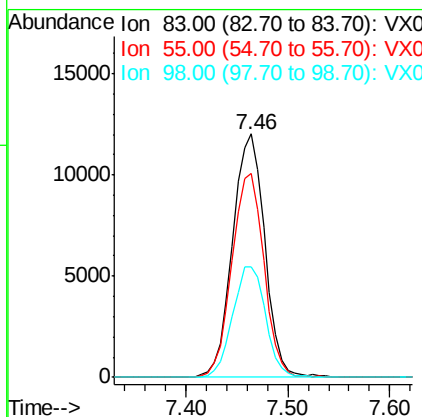
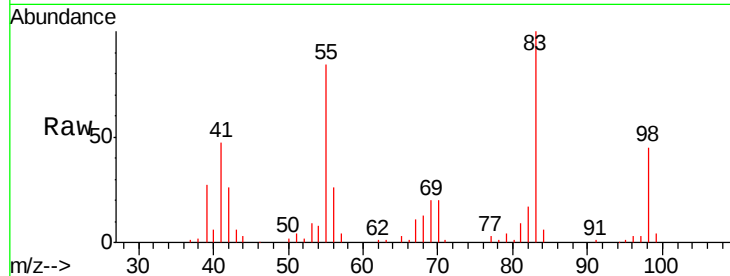
#39
Methylcyclohexane
Concen: 17.40 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.5	63.7	95.5
98	45.4	36.2	54.2

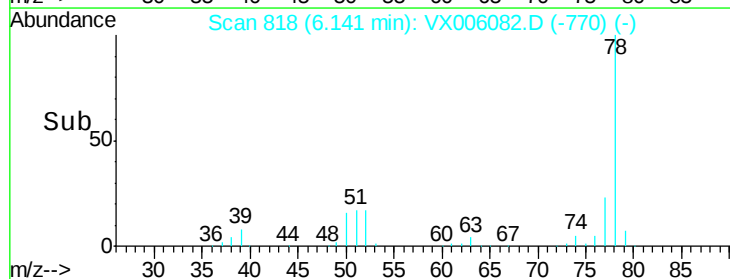
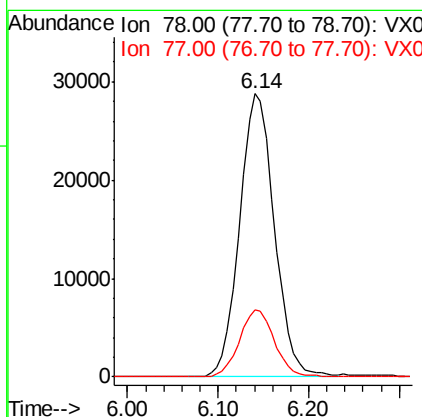
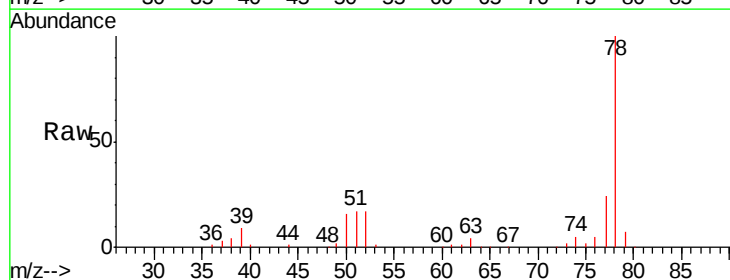
Manual Integrations
APPROVED

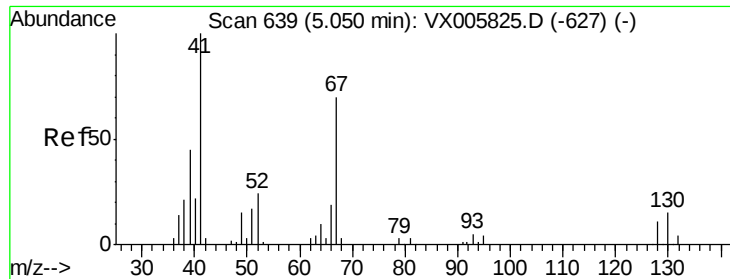
MMDadoda
11/20/2018 9:59:31 AM



#40
Benzene
Concen: 17.60 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.4	27.6





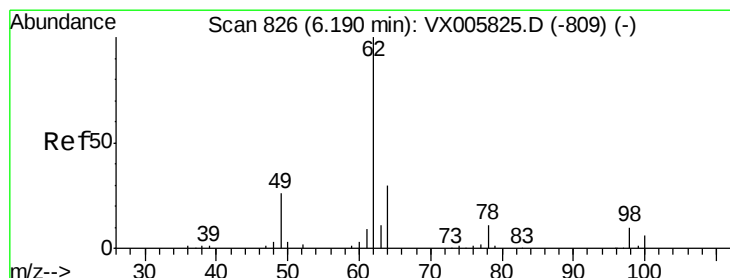
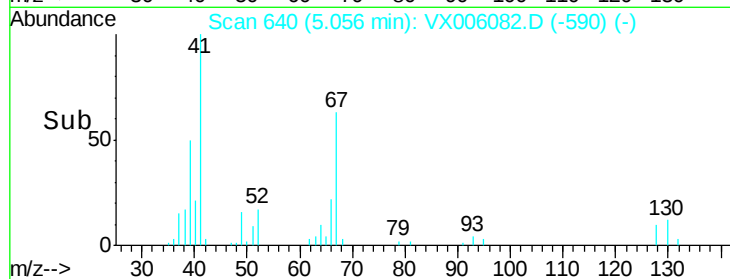
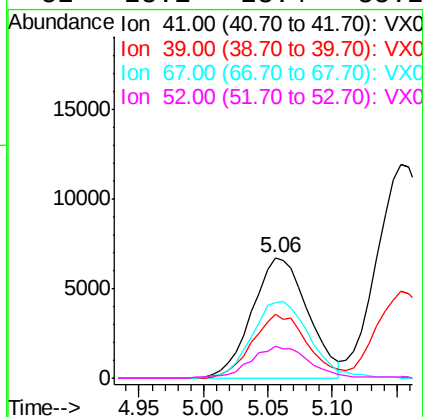
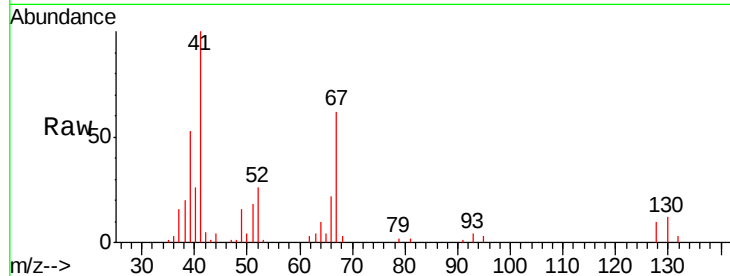
#41
Methacrylonitrile
Concen: 19.14 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.2	63.2	
67	66.1	53.4	80.0	
52	28.1	23.4	35.2	

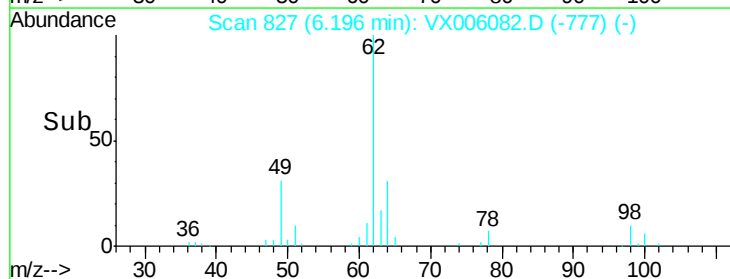
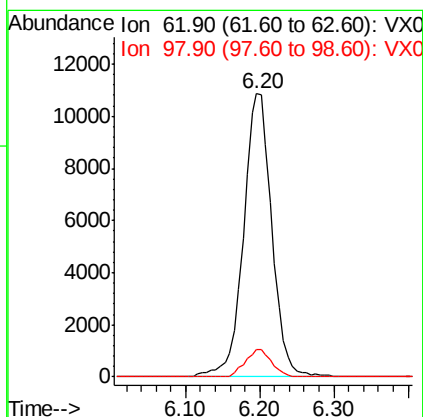
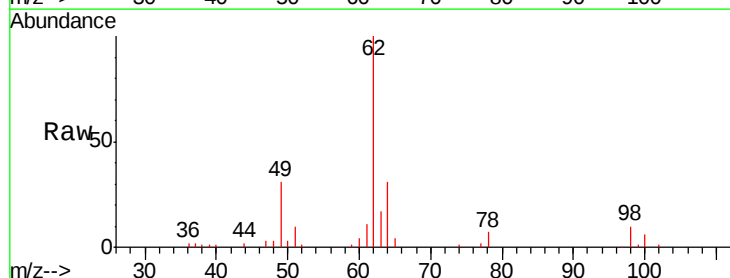
Manual Integrations
APPROVED

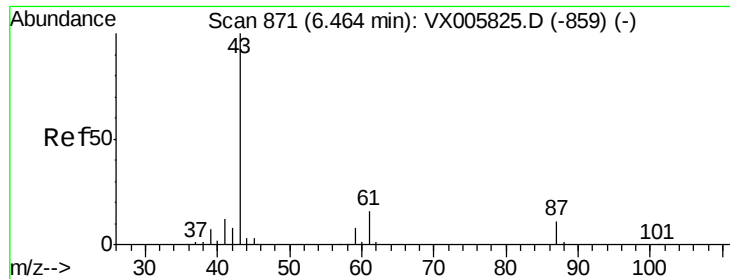
MMDadoda
11/20/2018 9:59:31 AM



#42
1,2-Dichloroethane
Concen: 18.54 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





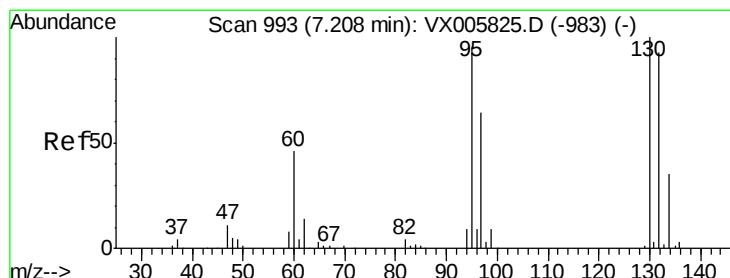
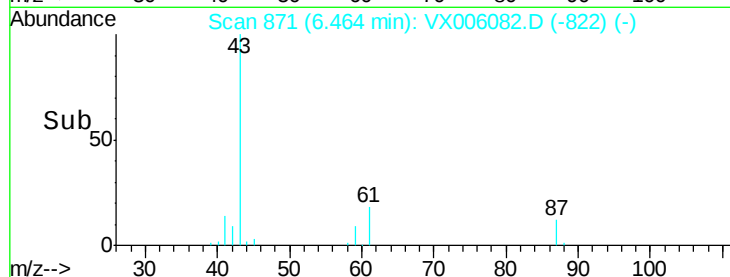
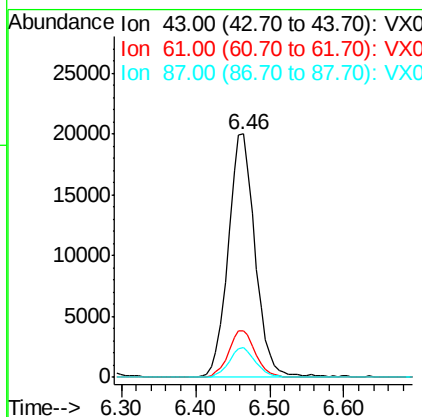
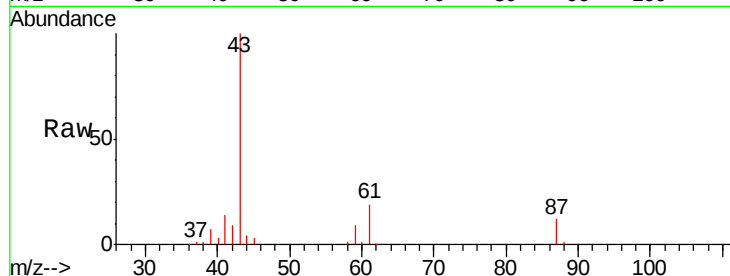
#43
Isopropyl Acetate
Concen: 17.84 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.6	22.0
87	11.7	9.6	14.4

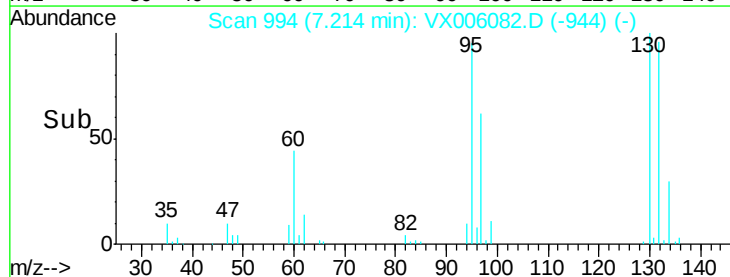
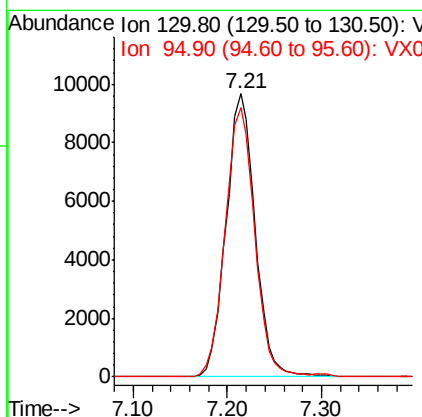
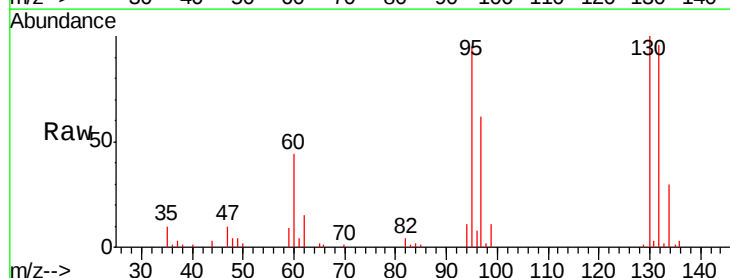
Manual Integrations
APPROVED

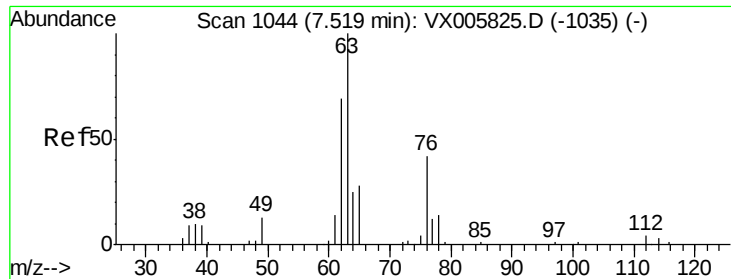
MMDadoda
11/20/2018 9:59:31 AM



#44
Trichloroethene
Concen: 18.79 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	194.2





#45

1,2-Dichloropropane

Concen: 19.87 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 63 Resp: 20950

Ion Ratio Lower Upper

63 100

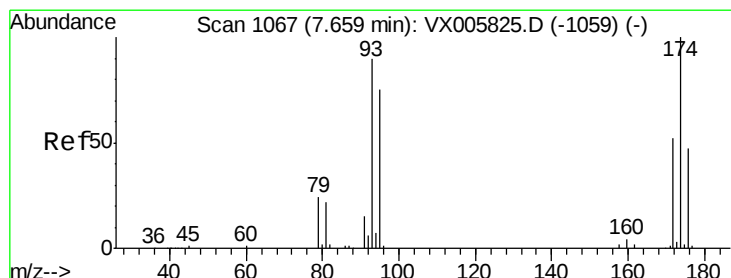
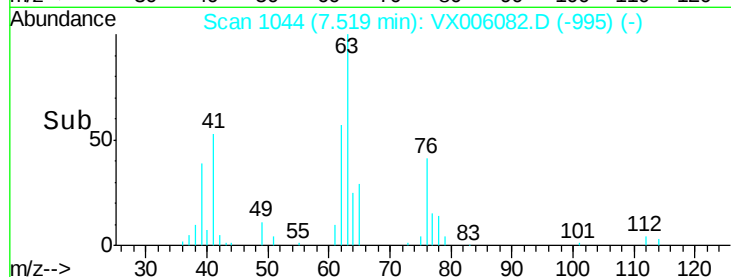
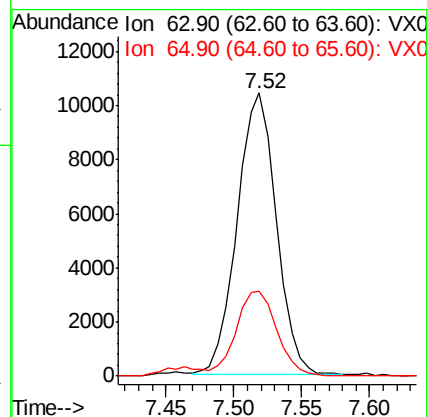
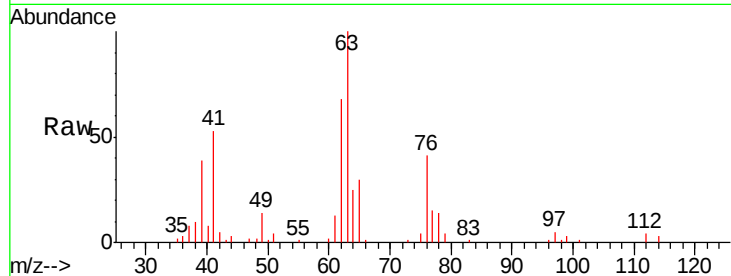
65 30.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#46

Dibromomethane

Concen: 20.74 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

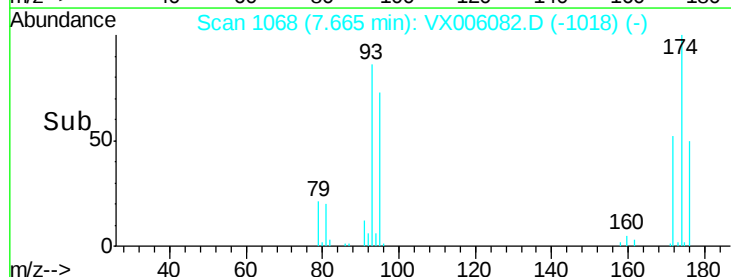
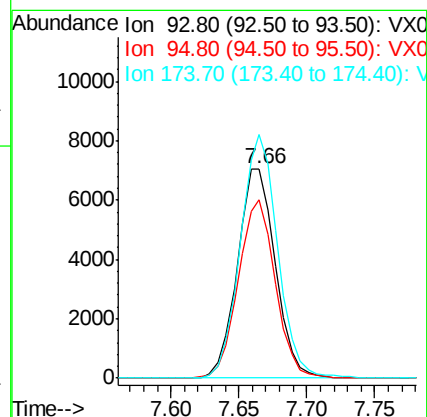
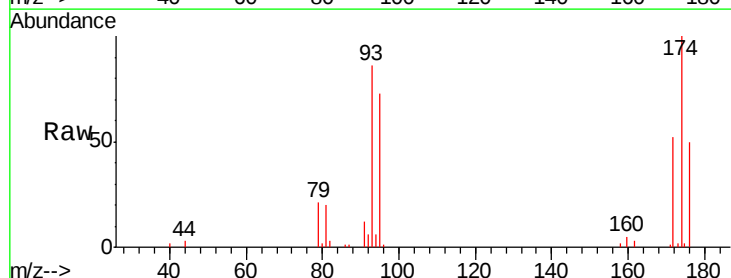
Tgt Ion: 93 Resp: 13722

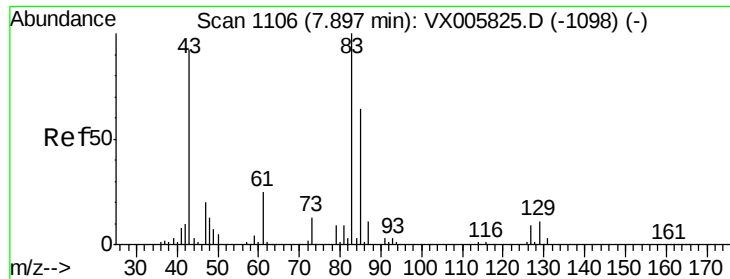
Ion Ratio Lower Upper

93 100

95 82.9 67.4 101.0

174 114.5 91.5 137.3





#47

Bromodichloromethane

Concen: 22.50 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

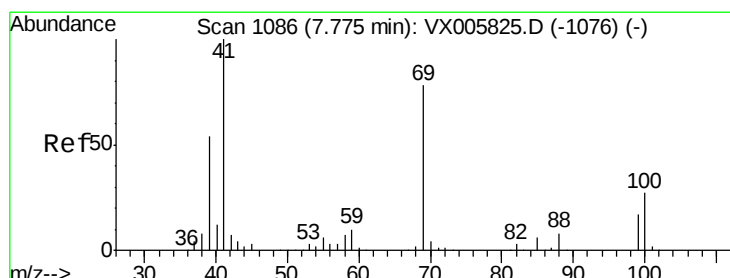
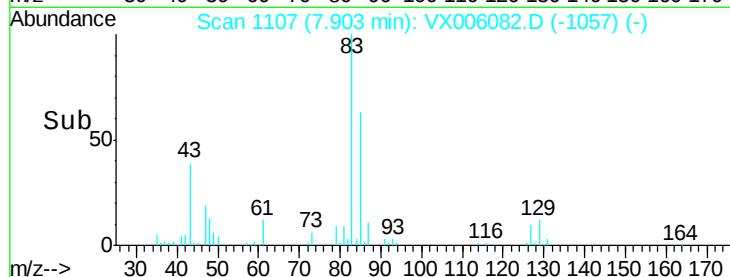
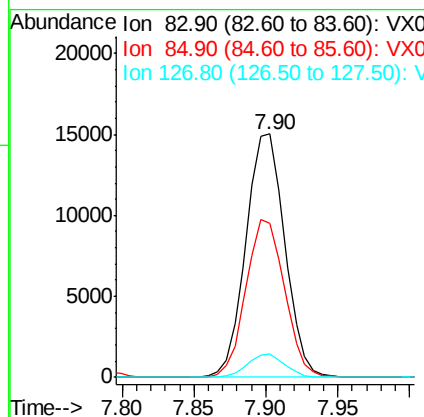
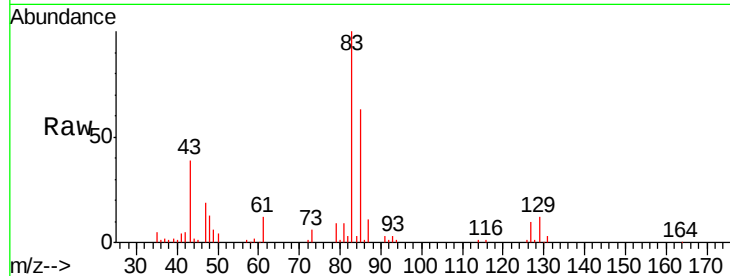
ClientSampleId :

VX1119WBS01

Tgt Ion:	83	Resp:	28136
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.2	75.4
127	9.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#48

Methyl methacrylate

Concen: 20.00 ug/l

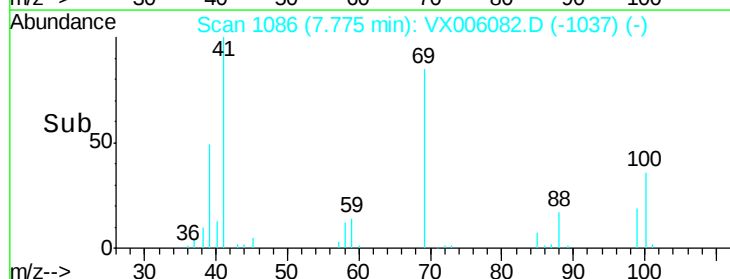
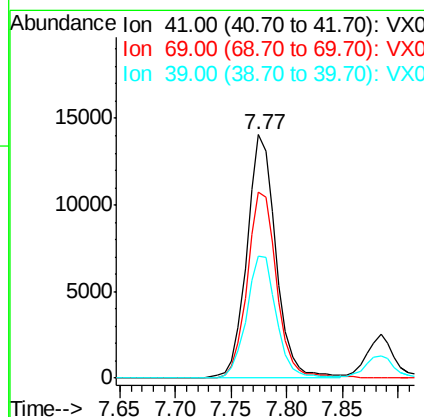
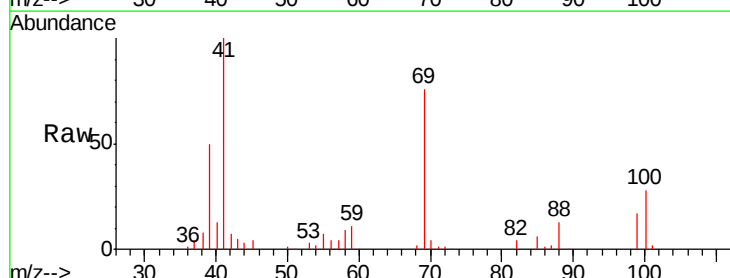
RT: 7.77 min Scan# 1086

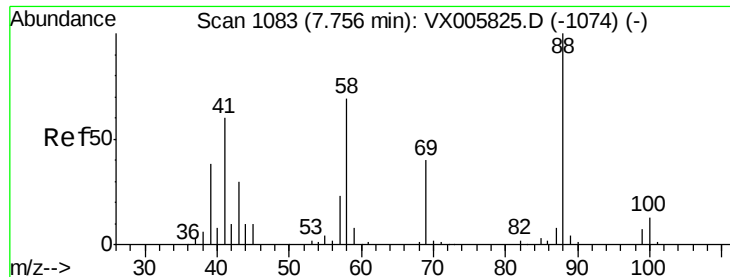
Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion:	41	Resp:	25505
Ion	Ratio	Lower	Upper
41	100		
69	77.4	63.2	94.8
39	51.9	42.2	63.2





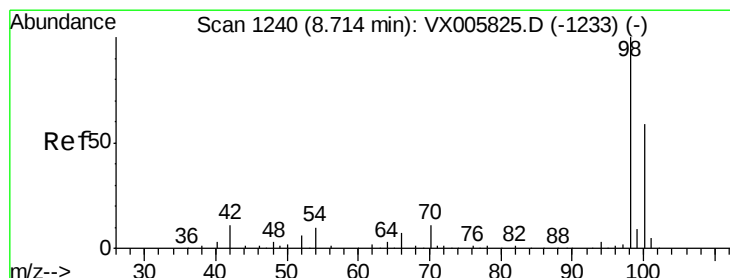
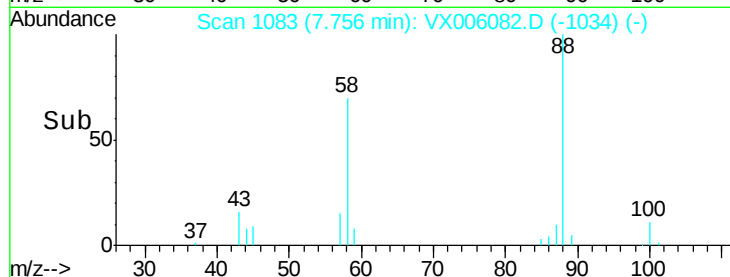
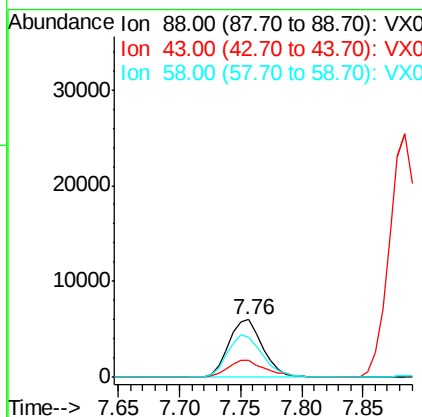
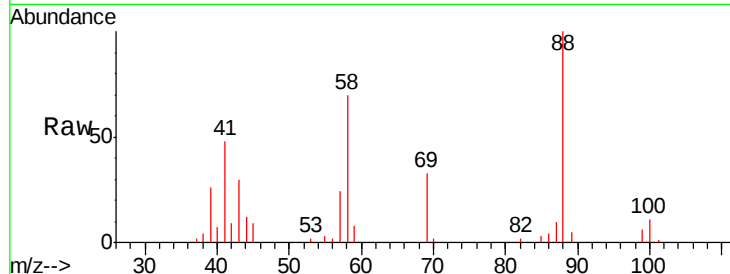
#49
1,4-Dioxane
Concen: 427.19 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.4	41.0
58	75.6	59.4	89.2

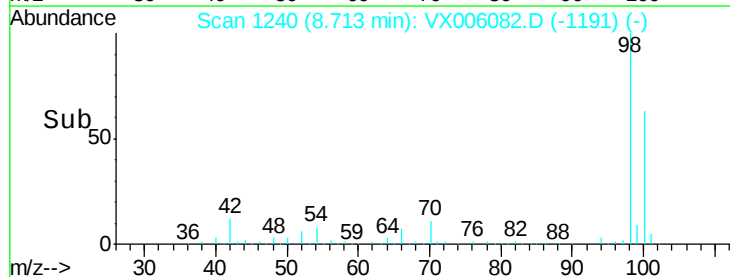
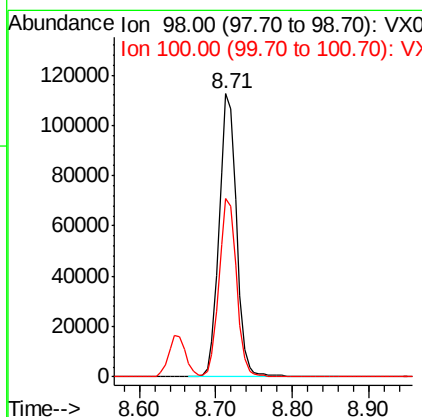
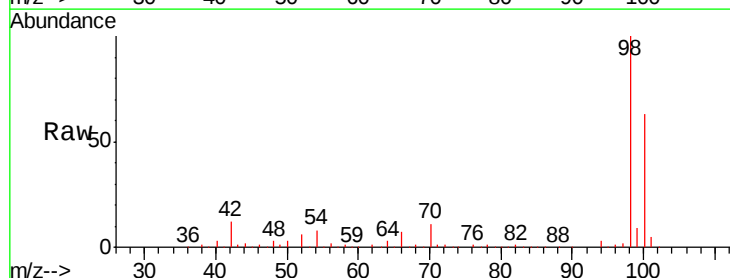
Manual Integrations
APPROVED

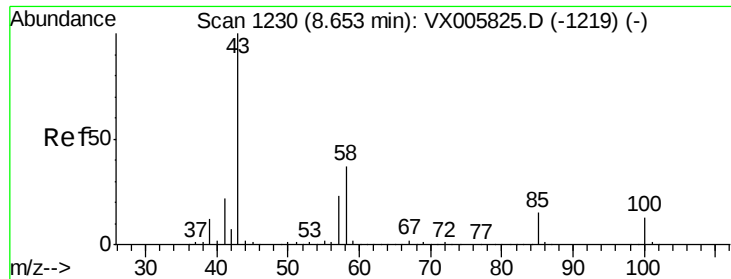
MMDadoda
11/20/2018 9:59:31 AM



#50
Toluene-d8
Concen: 50.70 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.3	76.9





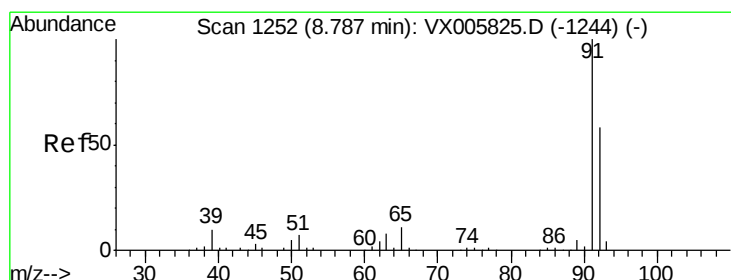
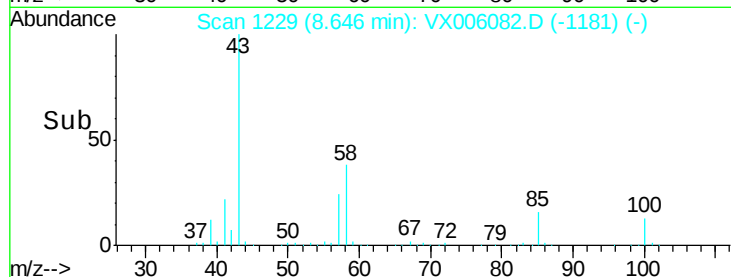
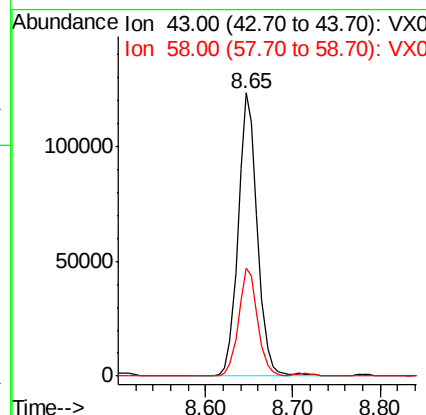
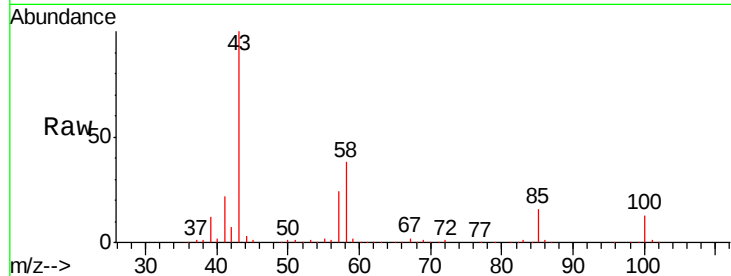
#51
4-Methyl-2-Pentanone
Concen: 105.92 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion: 43 Resp: 189572
Ion Ratio Lower Upper
43 100
58 37.6 29.7 44.5

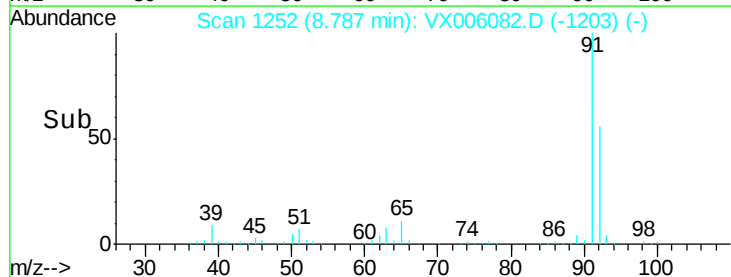
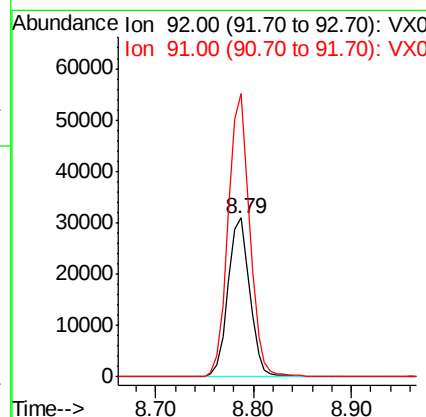
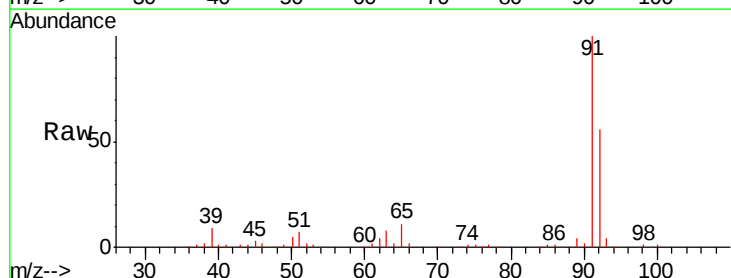
Manual Integrations
APPROVED

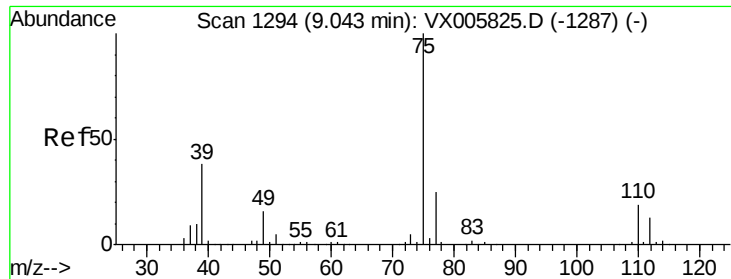
MMDadoda
11/20/2018 9:59:31 AM



#52
Toluene
Concen: 19.78 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion: 92 Resp: 48033
Ion Ratio Lower Upper
92 100
91 176.1 140.4 210.6





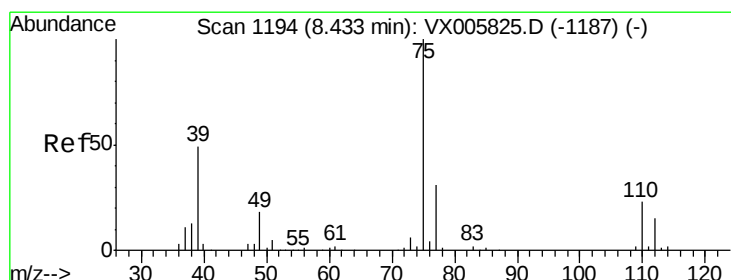
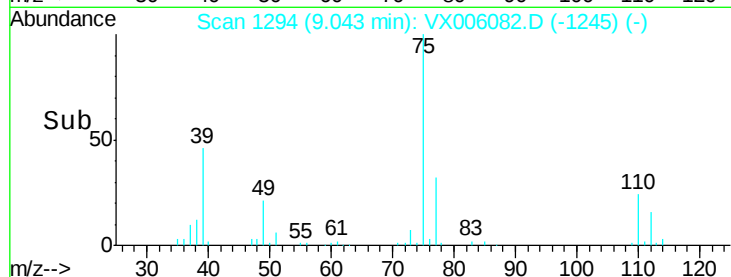
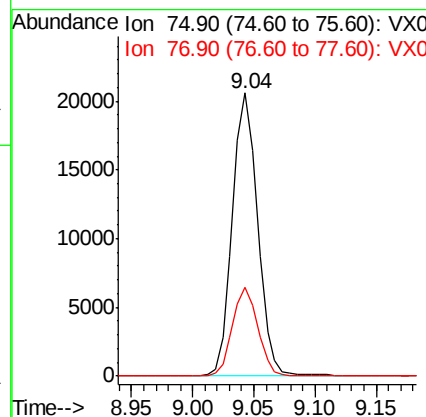
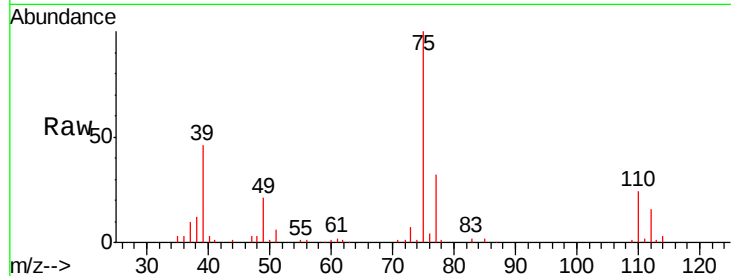
#53
 t-1,3-Dichloropropene
 Concen: 19.95 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion: 75 Resp: 29435
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

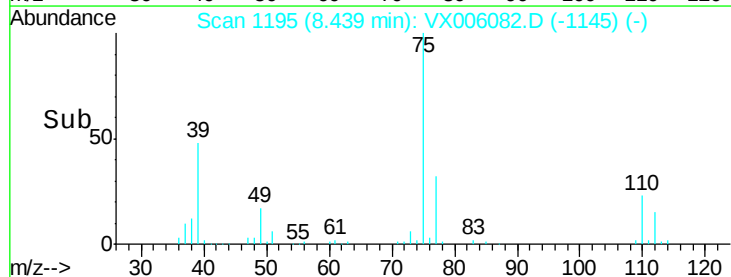
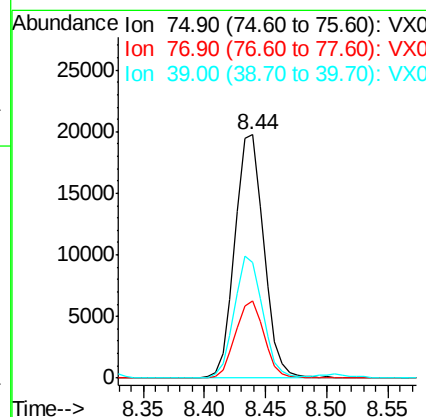
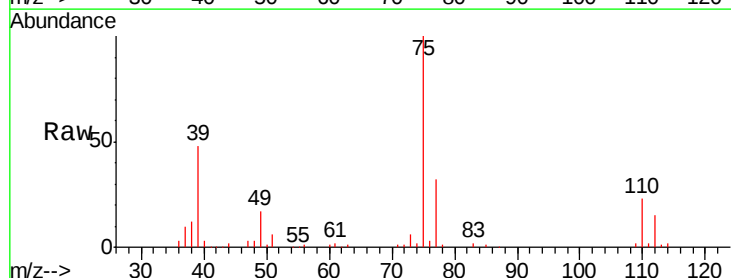
Manual Integrations
 APPROVED

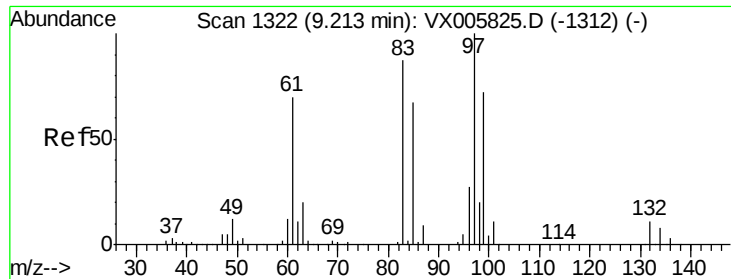
MMDadoda
 11/20/2018 9:59:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.44 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion: 75 Resp: 32257
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8
 39 47.7 38.2 57.2





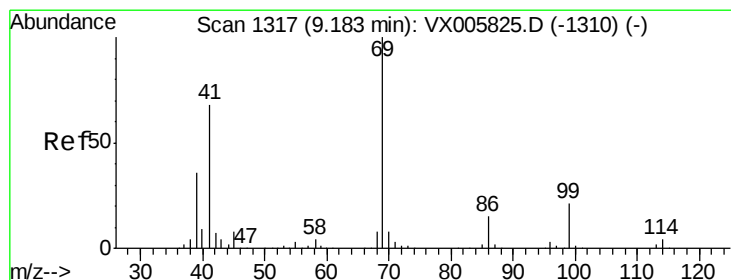
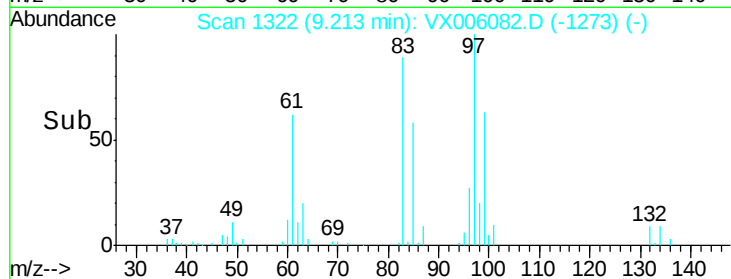
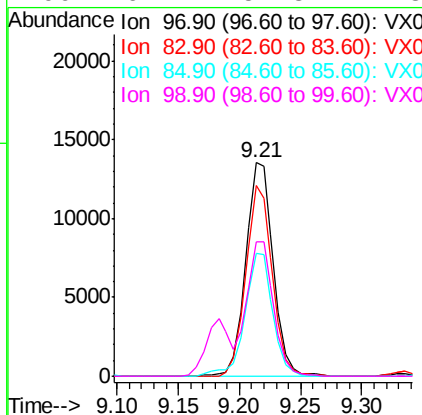
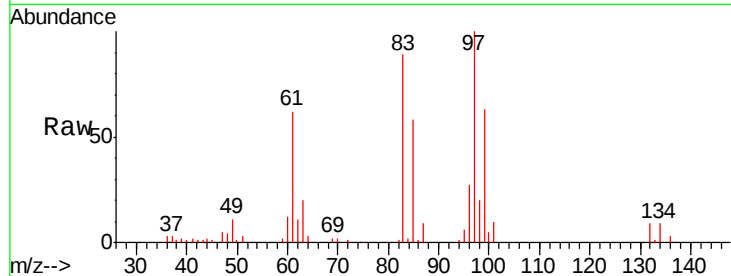
#55
 1,1,2-Trichloroethane
 Concen: 19.50 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.7	106.1
85	57.7	45.8	68.6
99	62.7	51.8	77.8

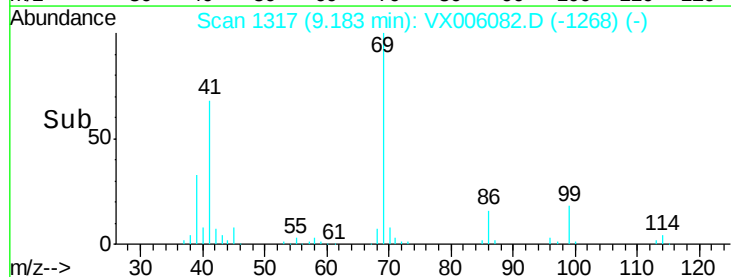
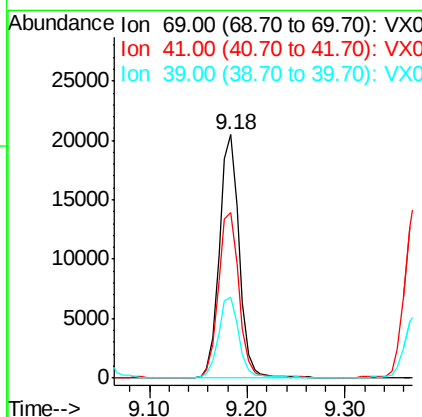
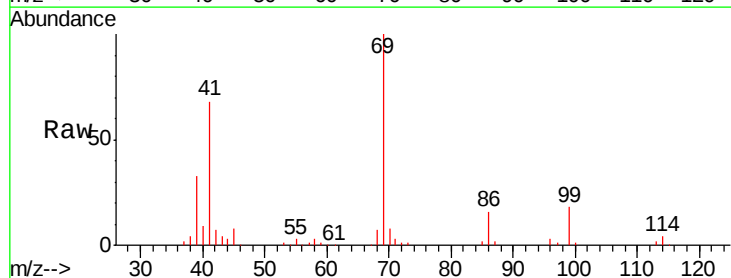
Manual Integrations
 APPROVED

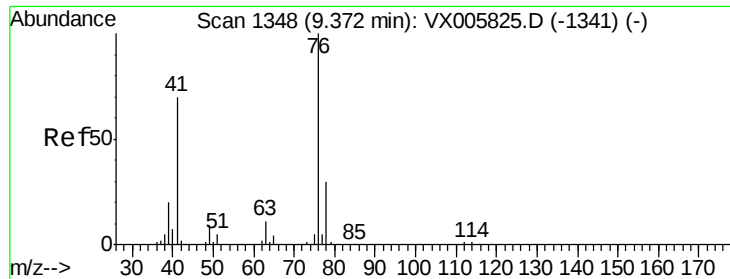
MMDadoda
 11/20/2018 9:59:31 AM



#56
 Ethyl methacrylate
 Concen: 17.80 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.6
39	34.9	28.3	42.5





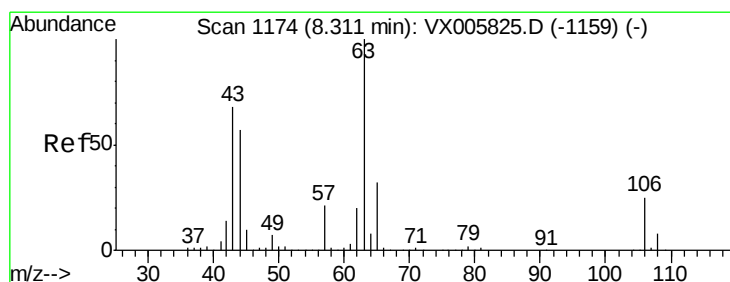
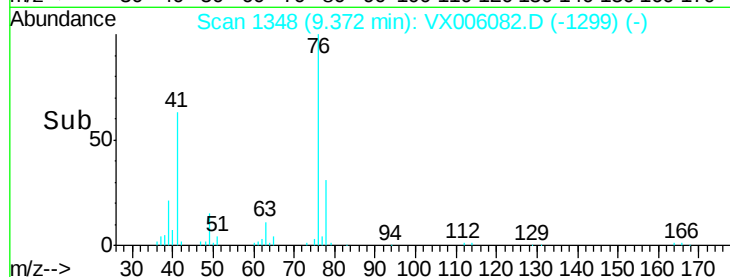
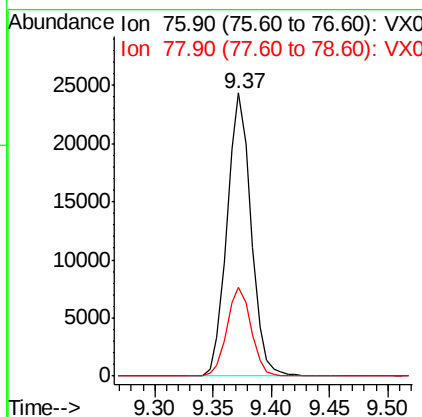
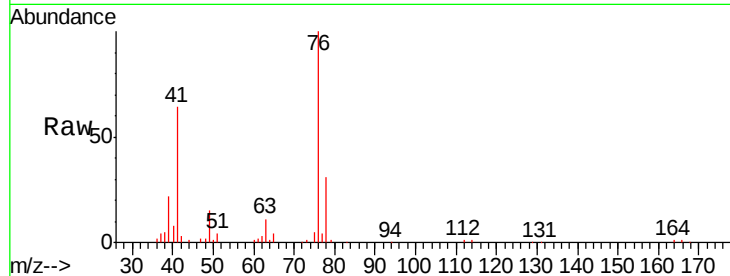
#57
 1,3-Dichloropropane
 Concen: 19.26 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion: 76 Resp: 35035
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.3 37.9

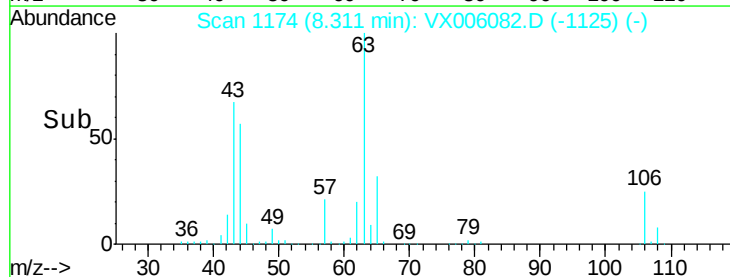
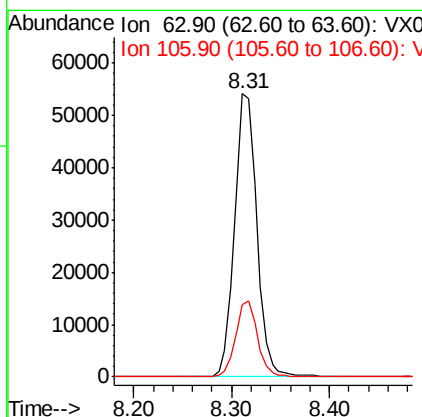
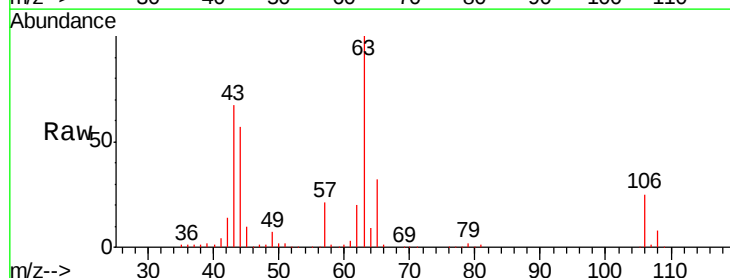
Manual Integrations
 APPROVED

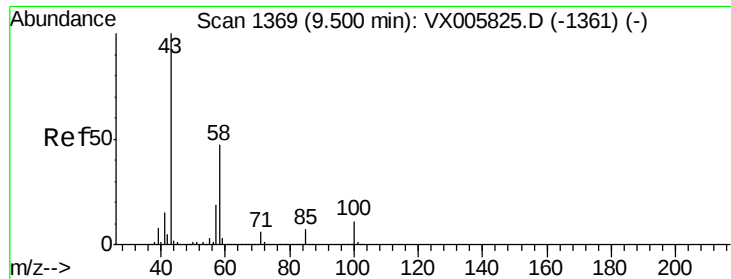
MMDadoda
 11/20/2018 9:59:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.42 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion: 63 Resp: 85905
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.3 31.9





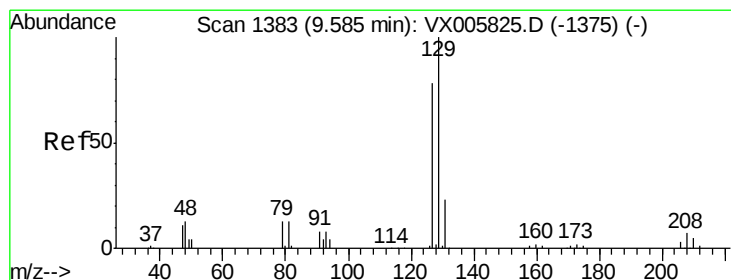
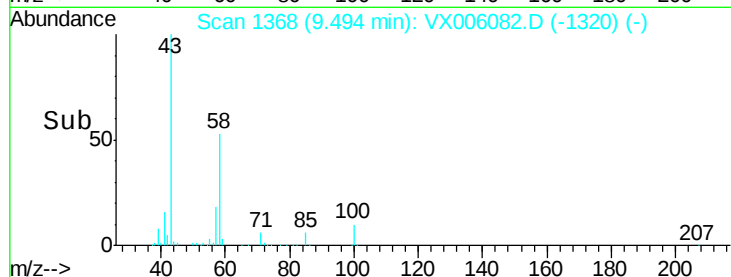
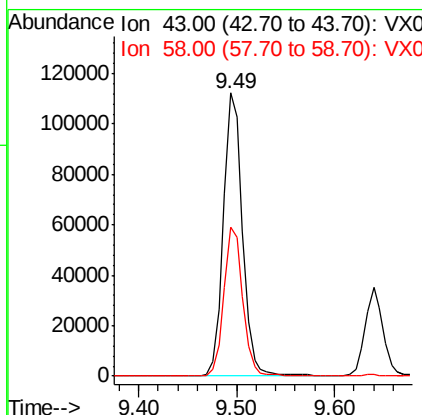
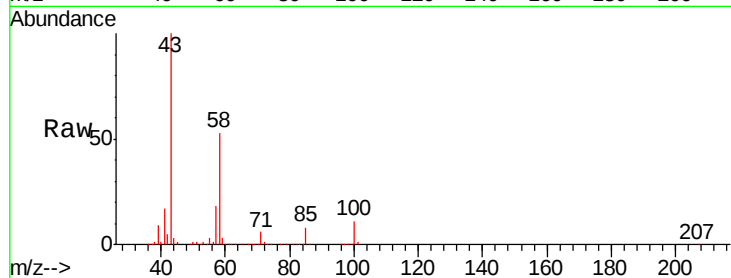
#59
2-Hexanone
Concen: 96.77 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion: 43 Resp: 152666
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

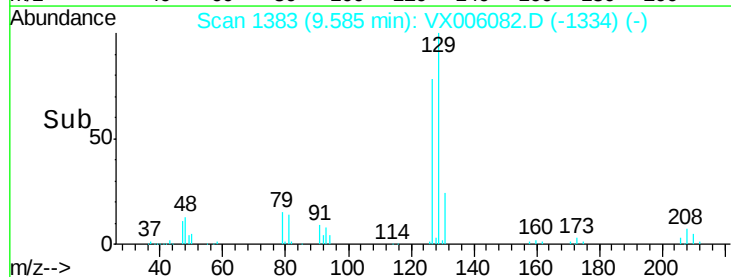
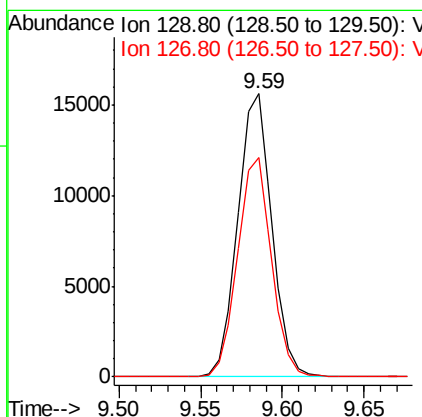
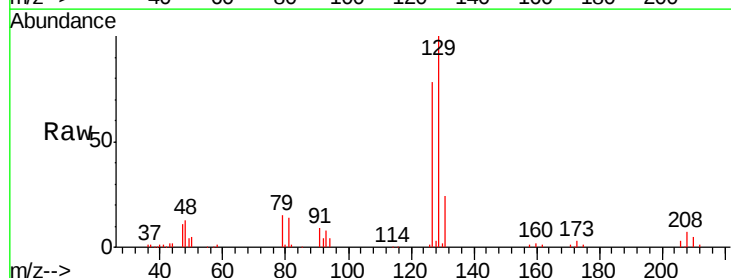
Manual Integrations
APPROVED

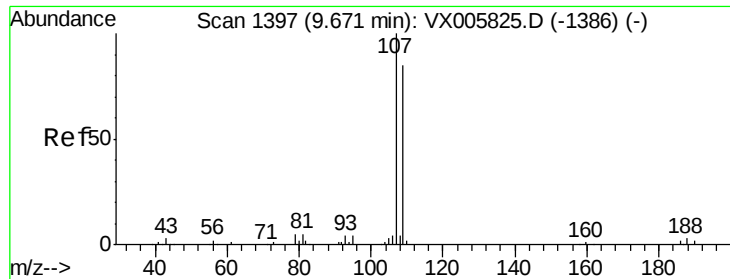
MMDadoda
11/20/2018 9:59:31 AM



#60
Dibromochloromethane
Concen: 19.36 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion: 129 Resp: 22648
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.03 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 107 Resp: 21572

Ion Ratio Lower Upper

107 100

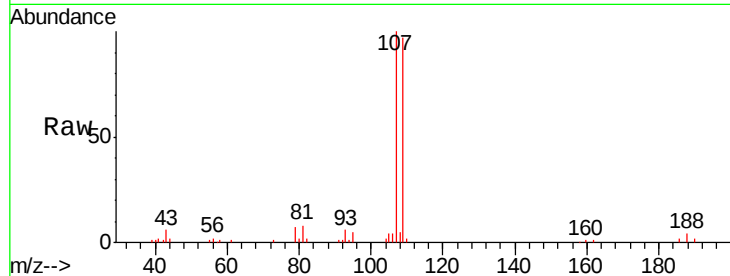
109 95.8 75.7 113.5

Manual Integrations

APPROVED

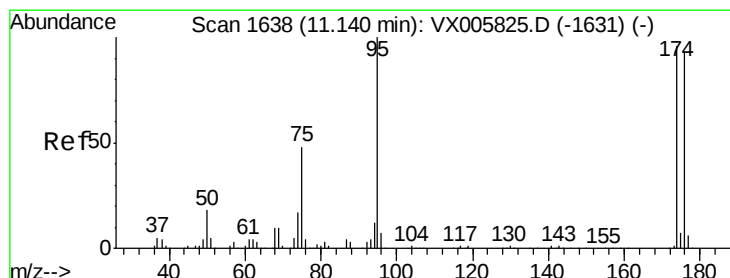
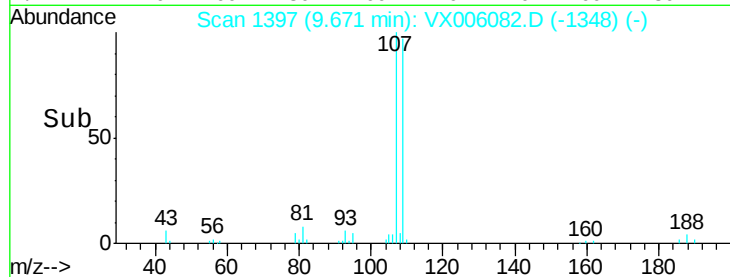
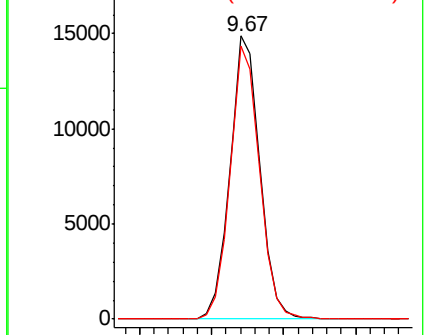
MMDadoda

11/20/2018 9:59:31 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.44 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

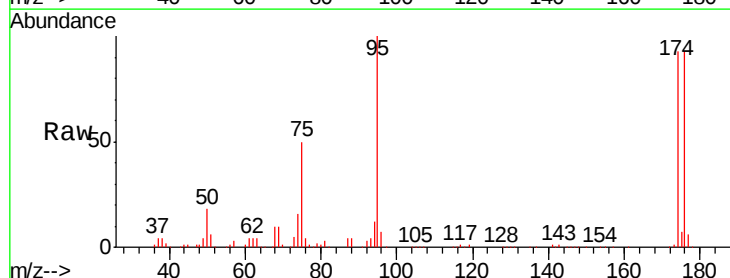
Tgt Ion: 95 Resp: 64649

Ion Ratio Lower Upper

95 100

174 90.4 0.0 184.4

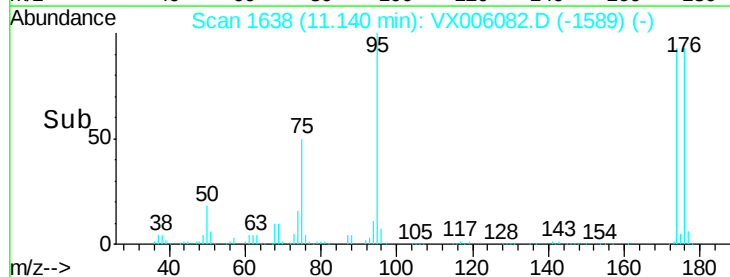
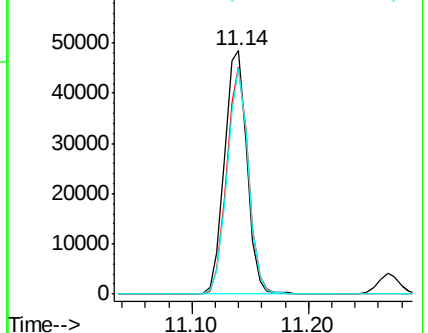
176 88.1 0.0 177.4

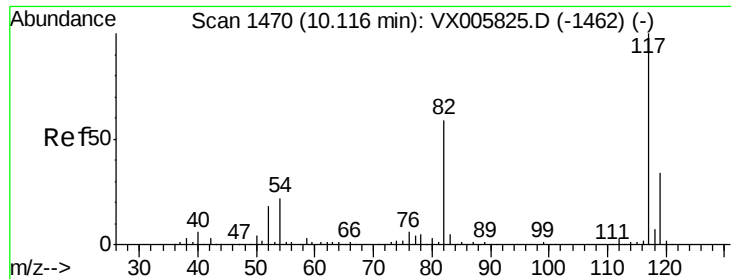


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





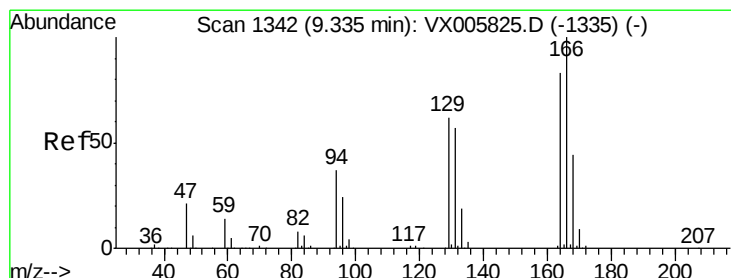
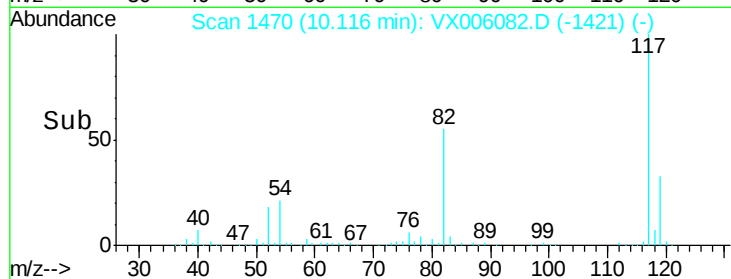
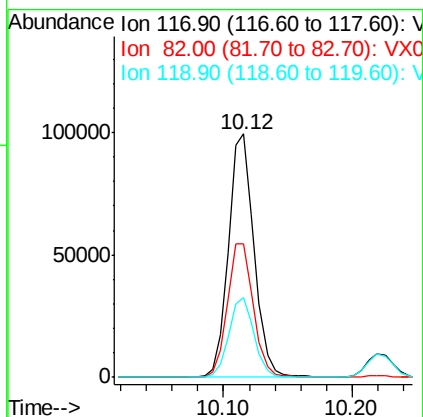
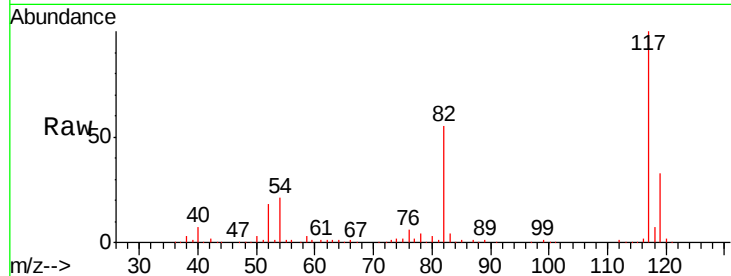
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	138523		
82	55.1	44.1	66.1	
119	32.5	26.2	39.2	

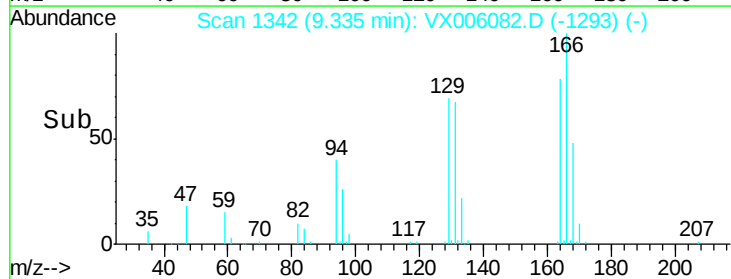
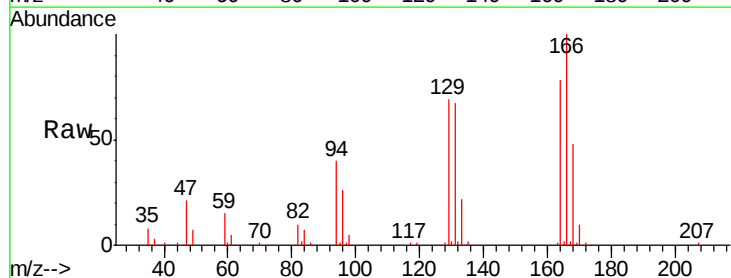
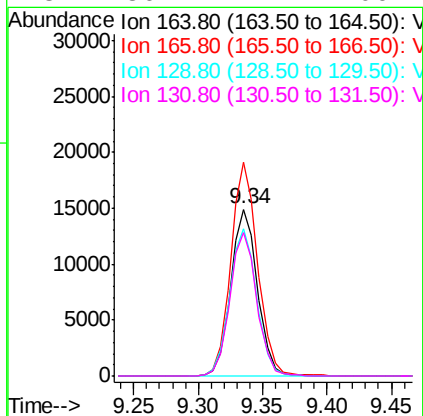
Manual Integrations
APPROVED

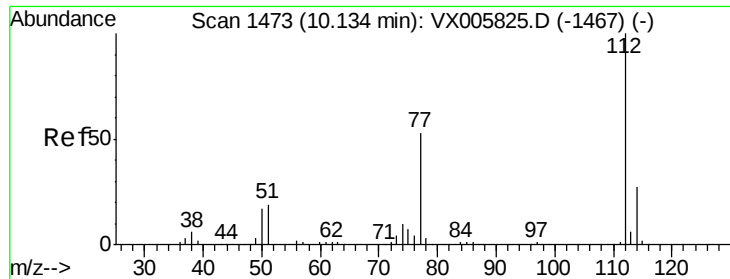
MMDadoda
11/20/2018 9:59:31 AM



#64
Tetrachloroethene
Concen: 18.33 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21622		
166	128.1	101.9	152.9	
129	88.3	72.6	109.0	
131	86.1	71.1	106.7	





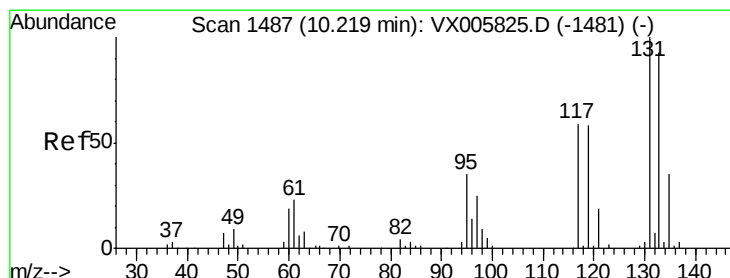
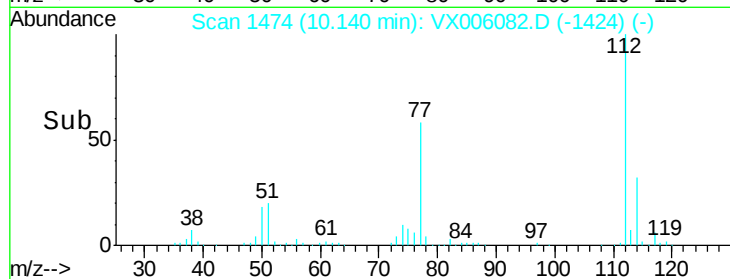
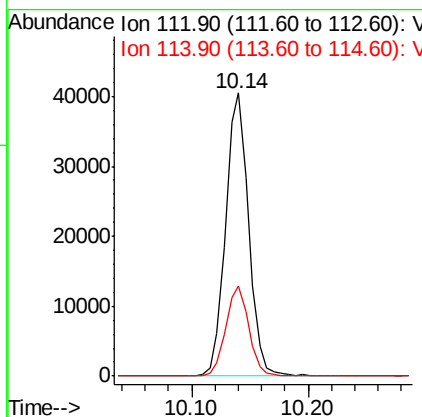
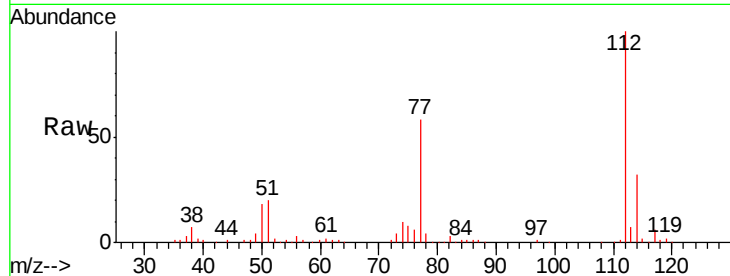
#65
Chlorobenzene
Concen: 19.95 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion:112 Resp: 55357
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

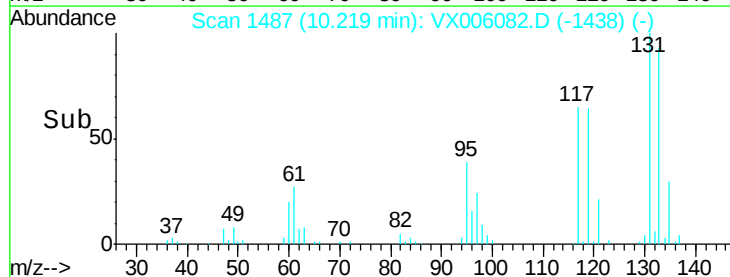
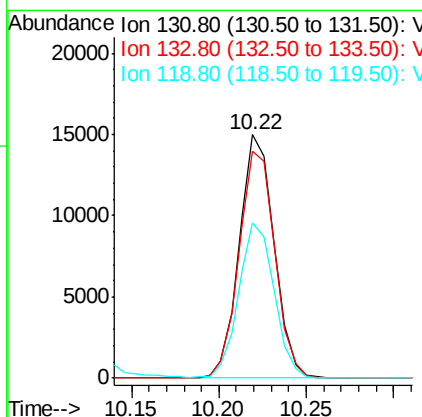
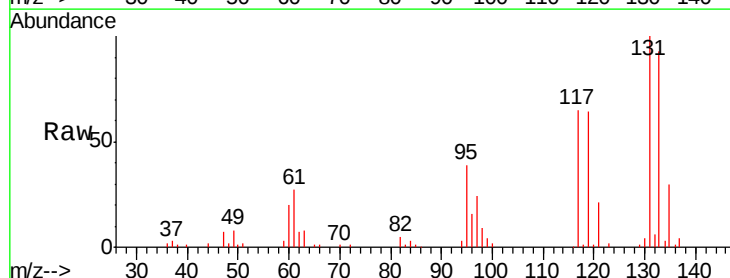
Manual Integrations
APPROVED

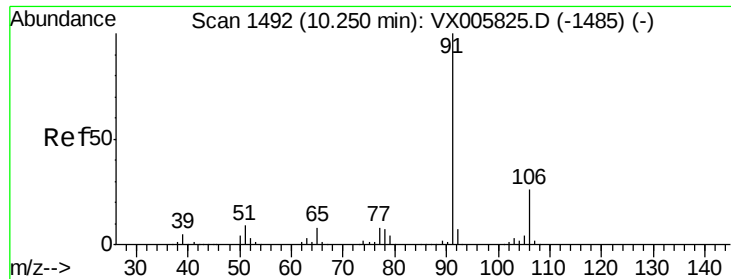
MMDadoda
11/20/2018 9:59:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.48 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion:131 Resp: 20720
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 64.8 31.8 95.3





#67

Ethyl Benzene

Concen: 20.73 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 91 Resp: 92244

Ion Ratio Lower Upper

91 100

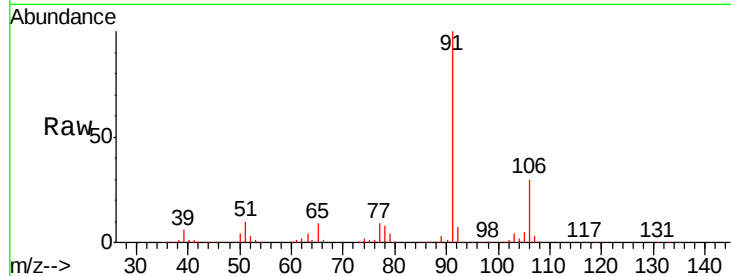
106 30.3 24.4 36.6

Manual Integrations

APPROVED

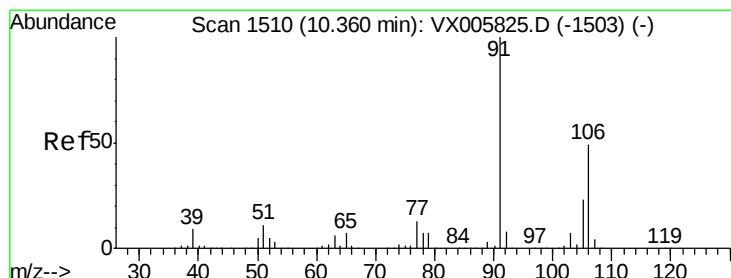
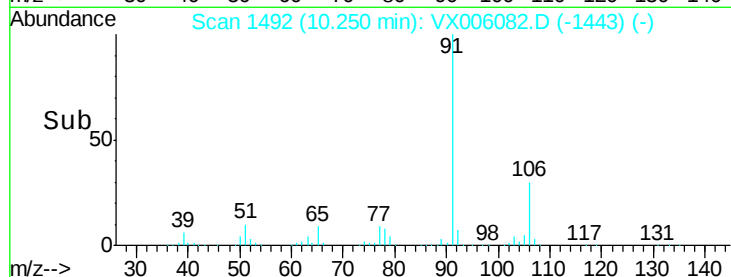
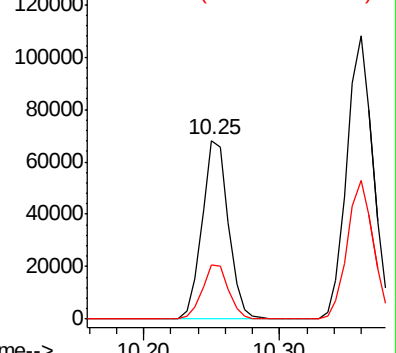
MMDadoda

11/20/2018 9:59:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.95 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006082.D

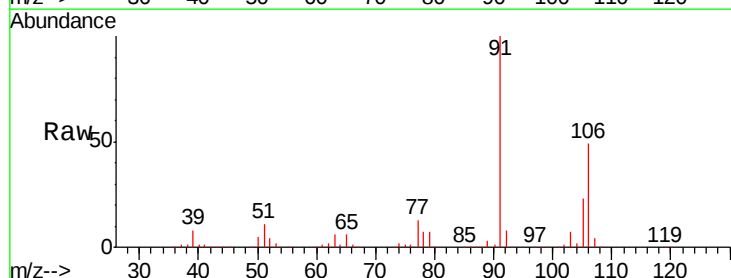
Acq: 19 Nov 2018 11:14

Tgt Ion: 106 Resp: 71208

Ion Ratio Lower Upper

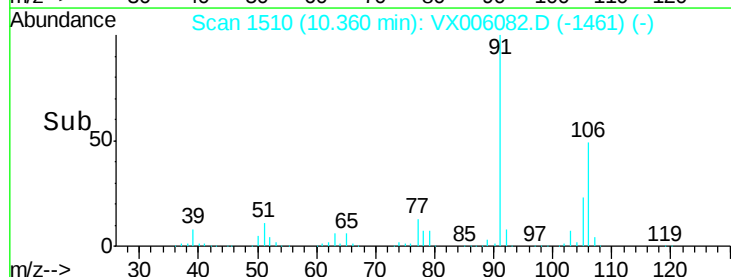
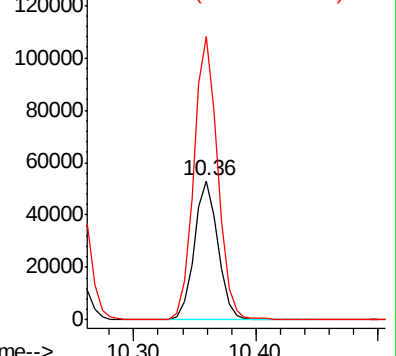
106 100

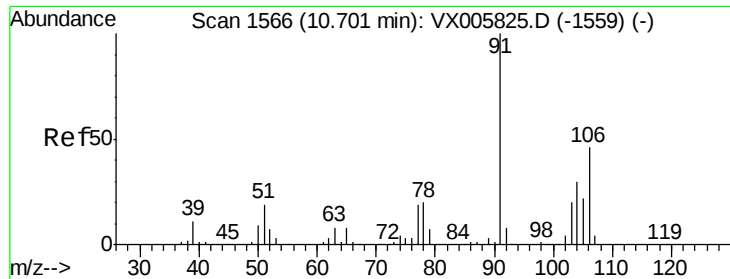
91 204.6 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





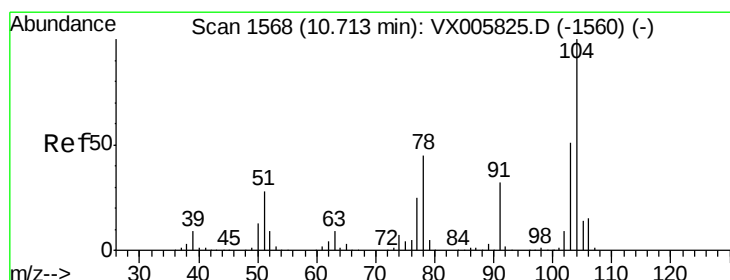
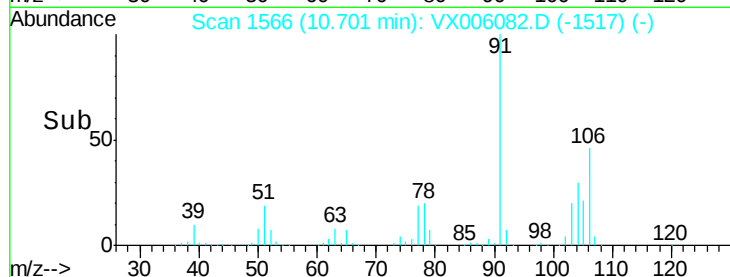
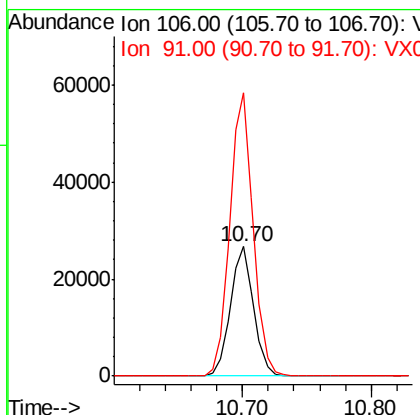
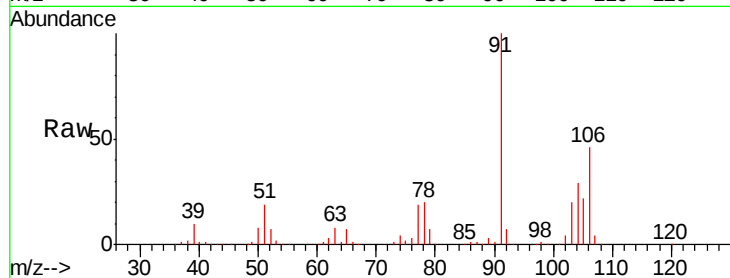
#69
o-Xylene
Concen: 22.12 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion:106 Resp: 33670
Ion Ratio Lower Upper
106 100
91 219.7 108.5 325.5

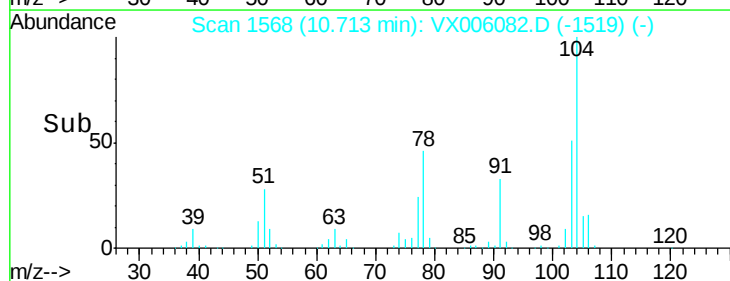
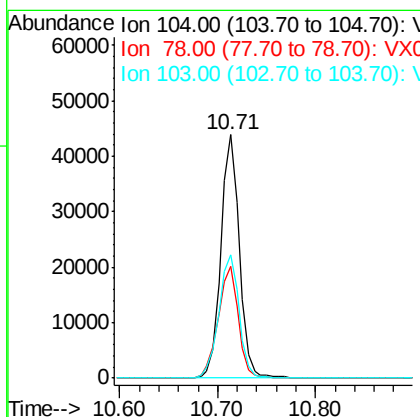
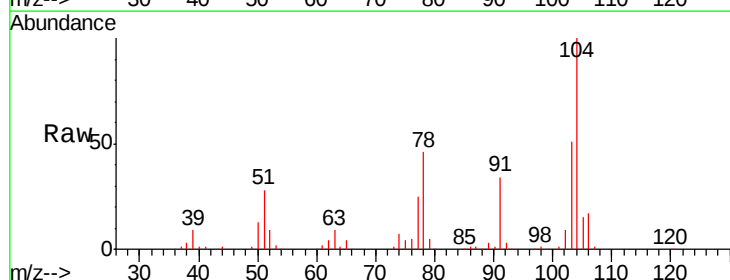
Manual Integrations
APPROVED

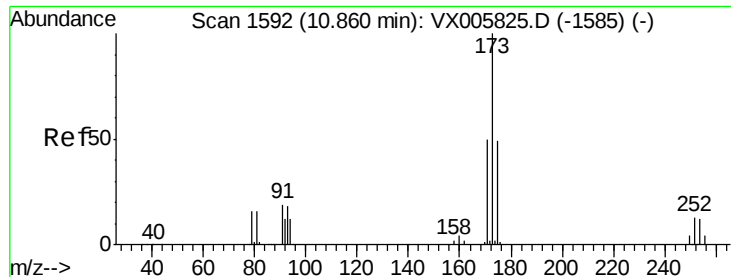
MMDadoda
11/20/2018 9:59:31 AM



#70
Styrene
Concen: 22.86 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion:104 Resp: 57404
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 55.8 44.9 67.3





#71

Bromoform

Concen: 23.56 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion:173 Resp: 19057

Ion Ratio Lower Upper

173 100

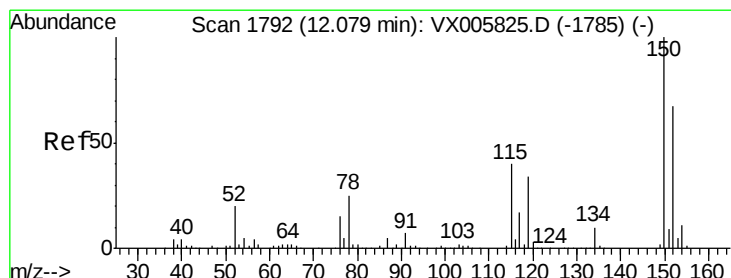
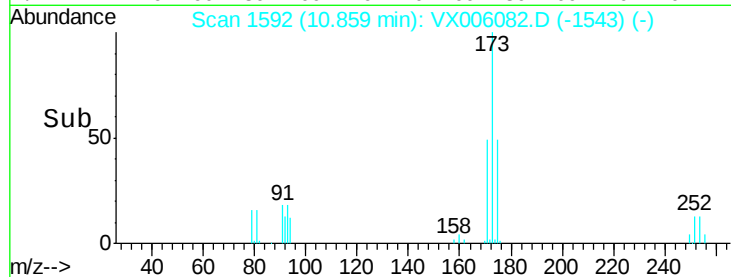
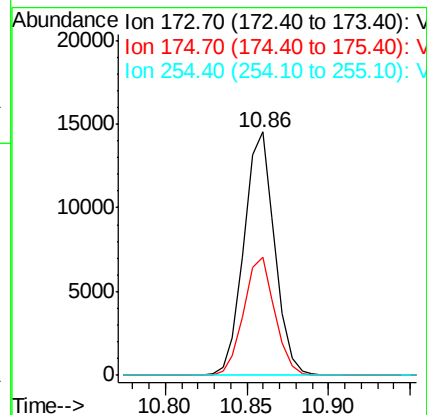
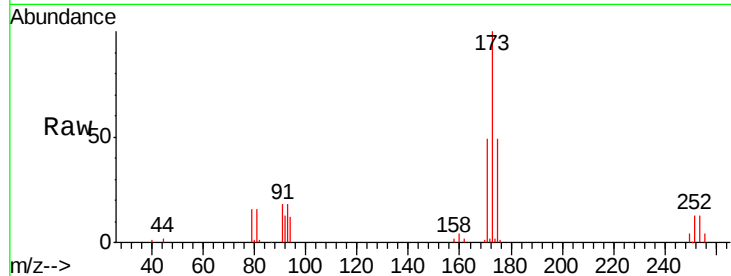
175 49.1 24.8 74.3

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

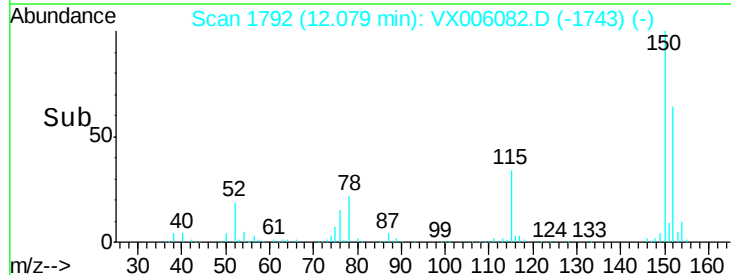
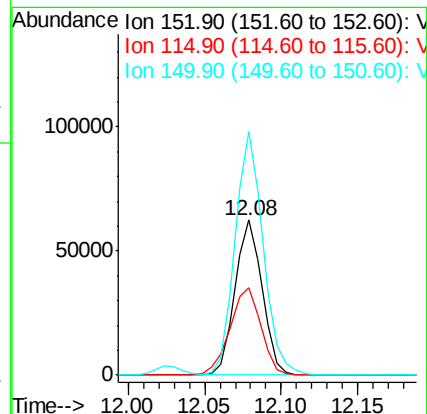
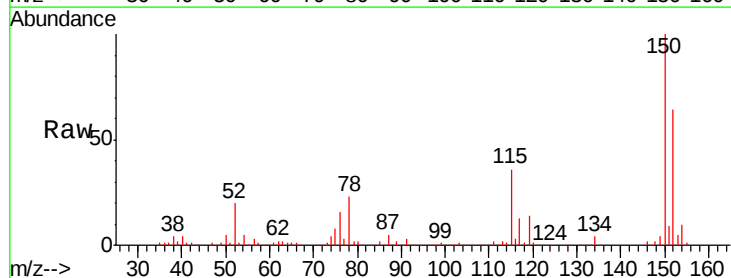
Tgt Ion:152 Resp: 76547

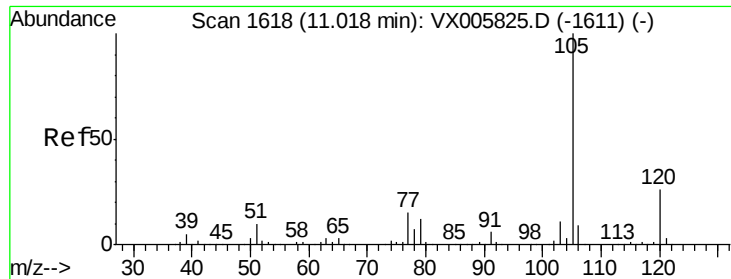
Ion Ratio Lower Upper

152 100

115 64.3 39.4 118.1

150 162.8 0.0 346.4





#73

Isopropylbenzene

Concen: 21.33 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 105 Resp: 94431

Ion Ratio Lower Upper

105 100

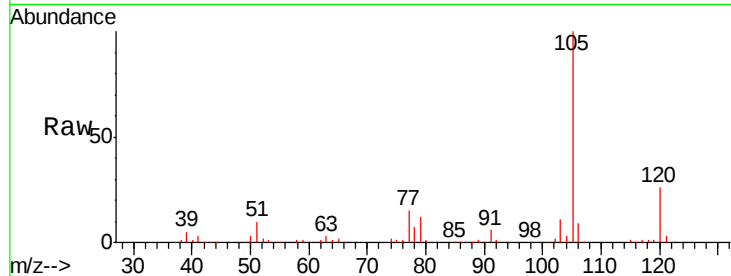
120 26.5 13.1 39.3

Manual Integrations

APPROVED

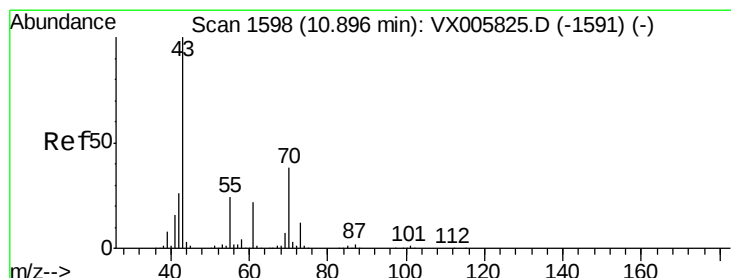
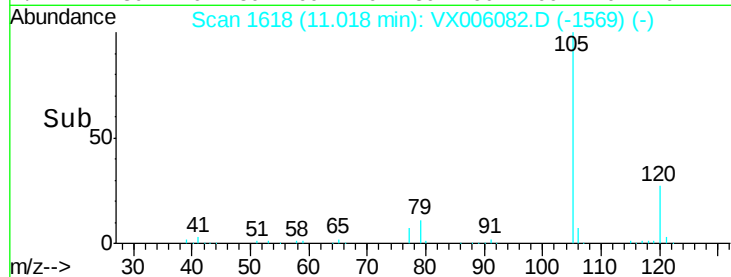
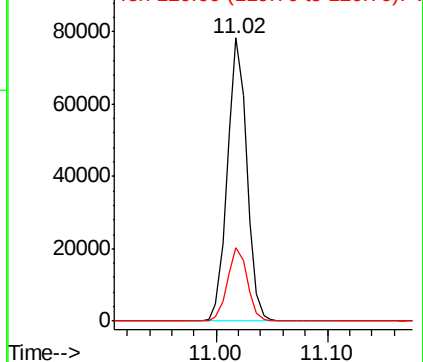
MMDadoda

11/20/2018 9:59:31 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.65 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion: 43 Resp: 41786

Ion Ratio Lower Upper

43 100

70 38.7 31.6 47.4

55 25.5 19.7 29.5

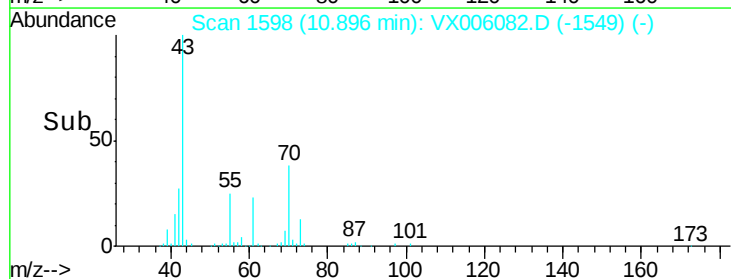
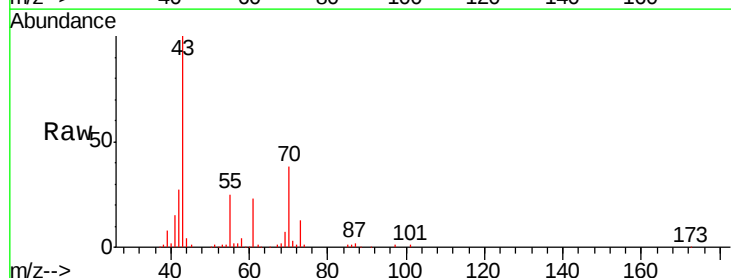
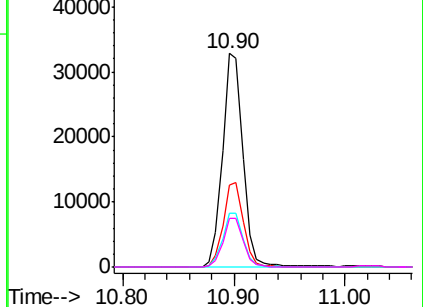
61 22.5 18.3 27.5

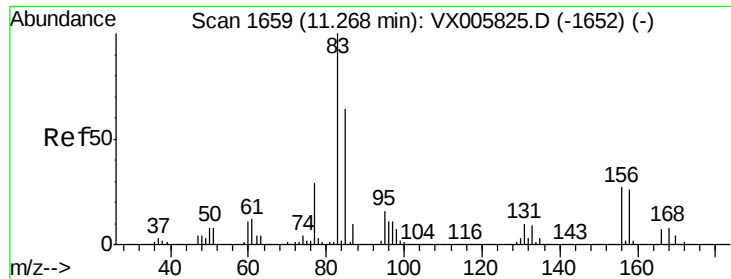
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.18 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

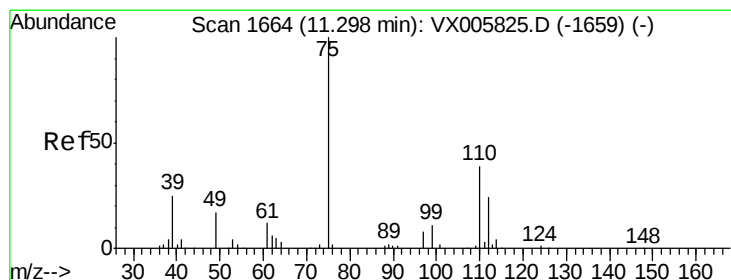
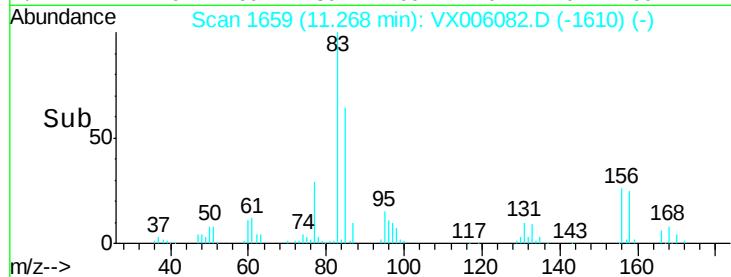
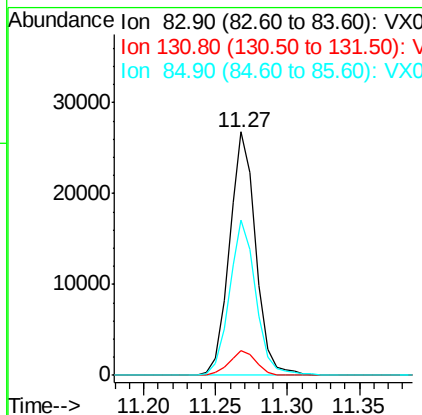
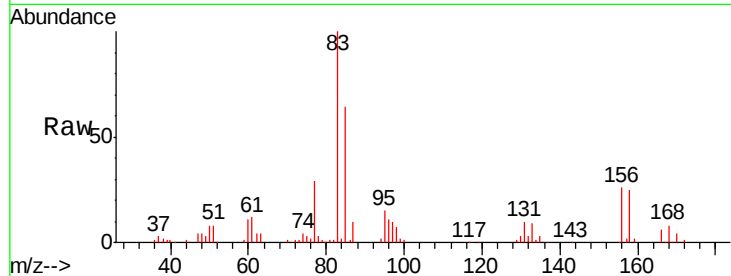
ClientSampleId :

VX1119WBS01

Tgt Ion:	83	Resp:	34419
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	63.9	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#76

1,2,3-Trichloropropane

Concen: 21.41 ug/l m

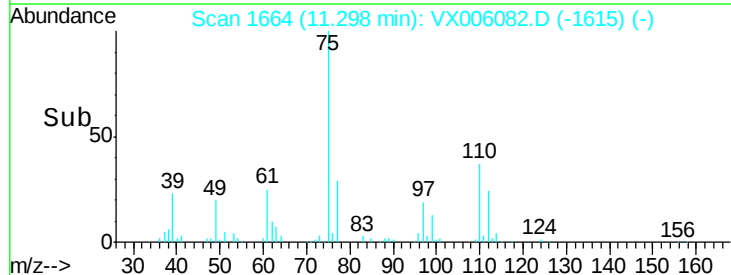
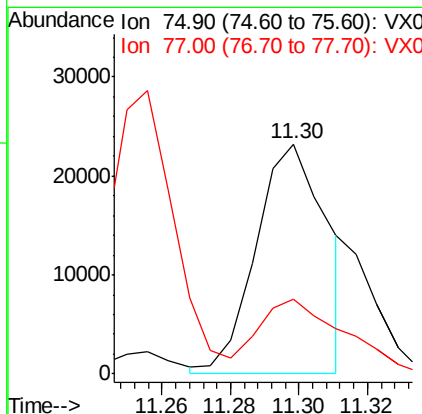
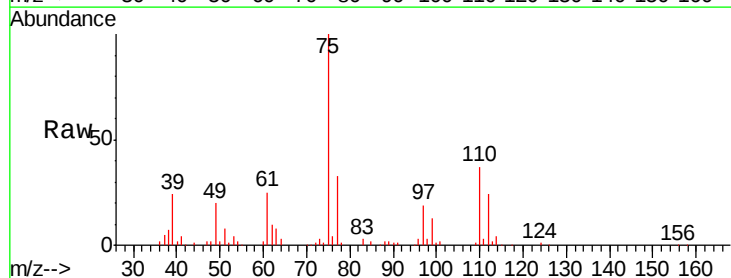
RT: 11.30 min Scan# 1664

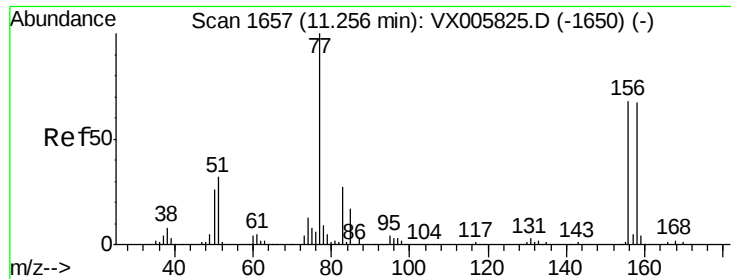
Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion:	75	Resp:	33377
Ion	Ratio	Lower	Upper
75	100		
77	39.5	20.5	61.6





#77

Bromobenzene

Concen: 20.25 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

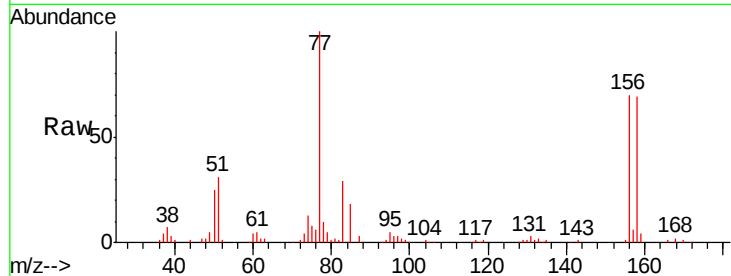
ClientSampleId :

VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.4	74.8	224.4
158	98.4	49.1	147.3

Manual Integrations
APPROVED

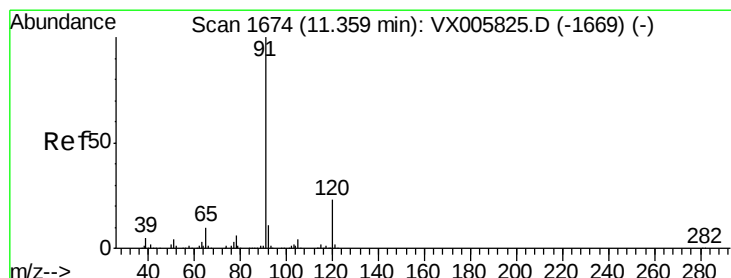
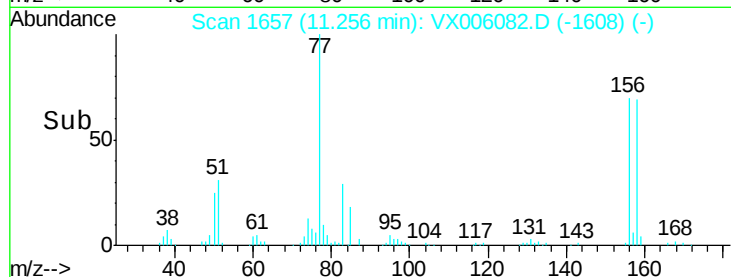
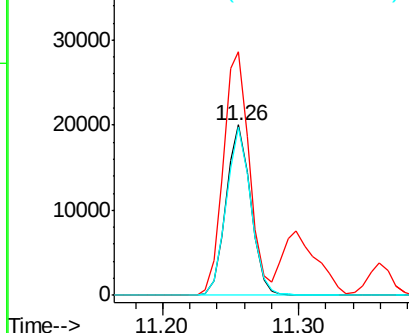
MMDadoda
11/20/2018 9:59:31 AM



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: 20.75 ug/l

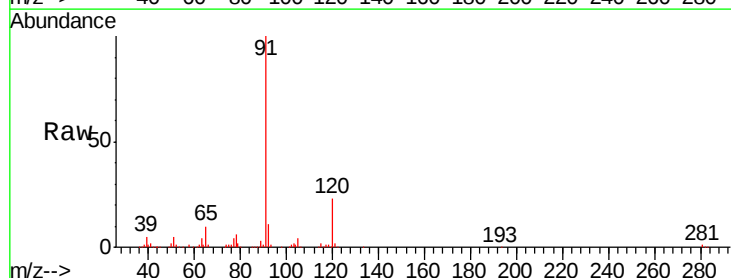
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006082.D

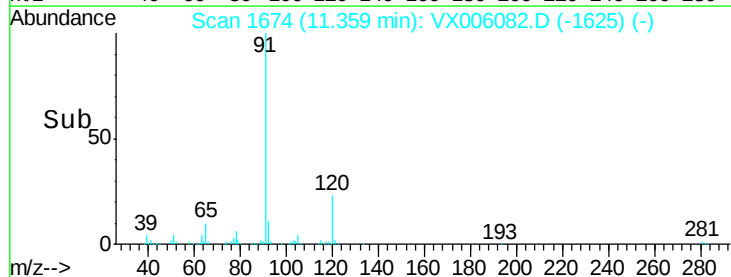
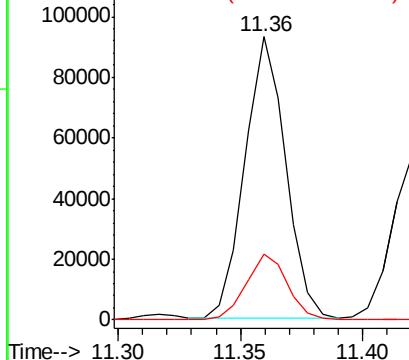
Acq: 19 Nov 2018 11:14

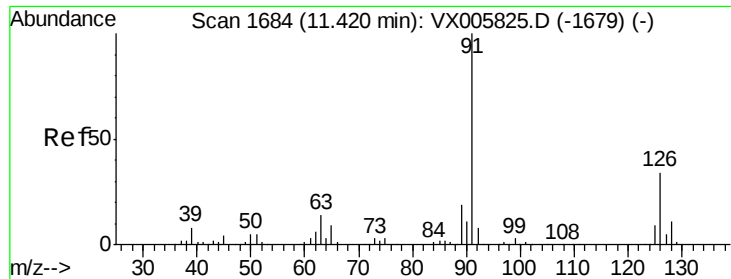
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.95 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBS01

Tgt Ion: 91 Resp: 66076

Ion Ratio Lower Upper

91 100

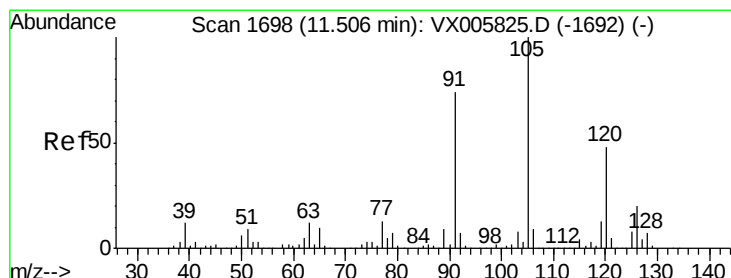
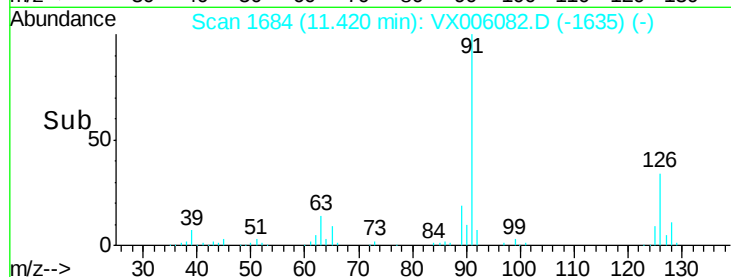
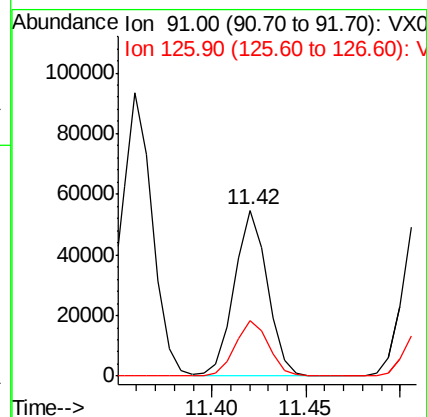
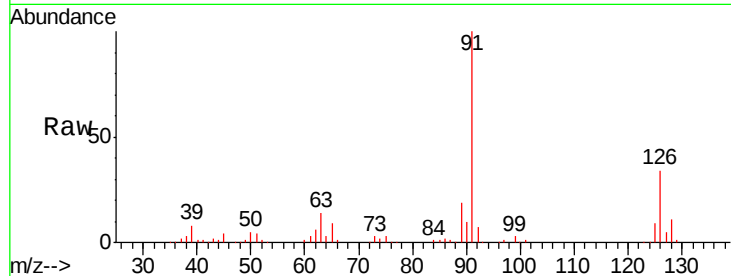
126 34.3 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:31 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.11 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006082.D

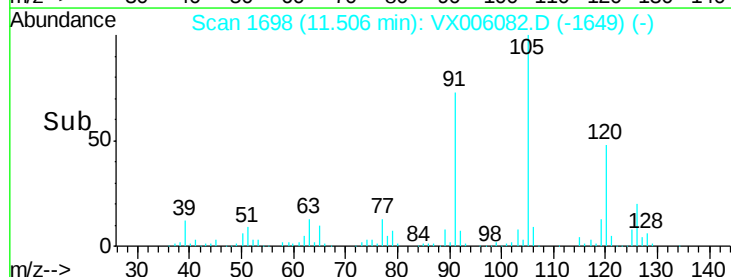
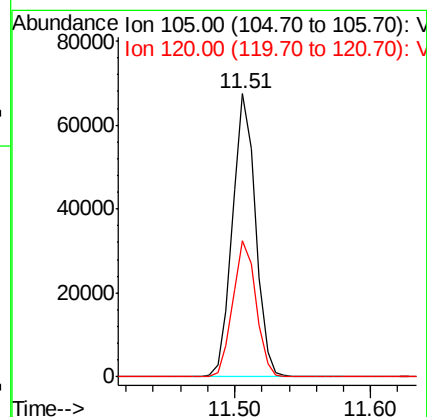
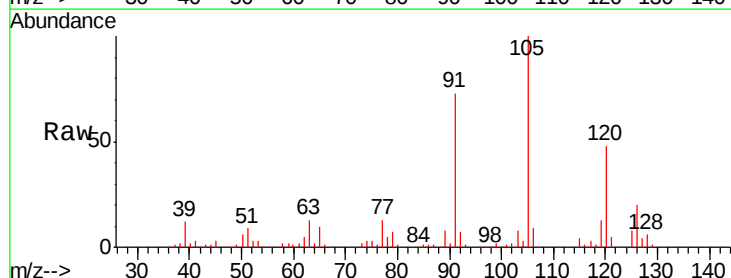
Acq: 19 Nov 2018 11:14

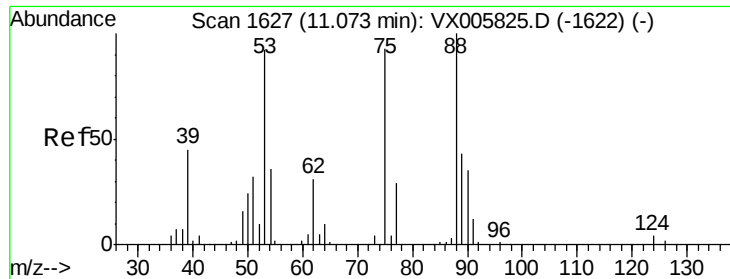
Tgt Ion: 105 Resp: 79399

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.91 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Instrument :

MSVOA_X

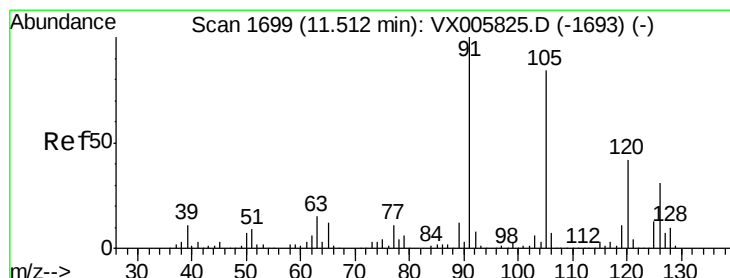
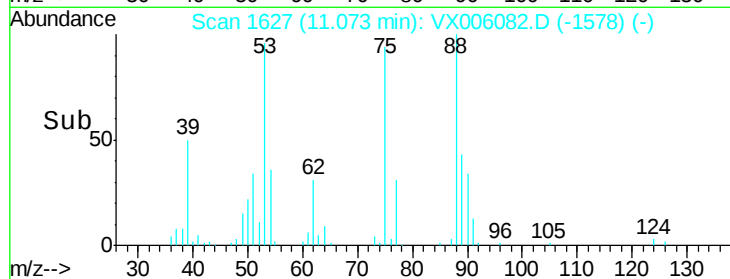
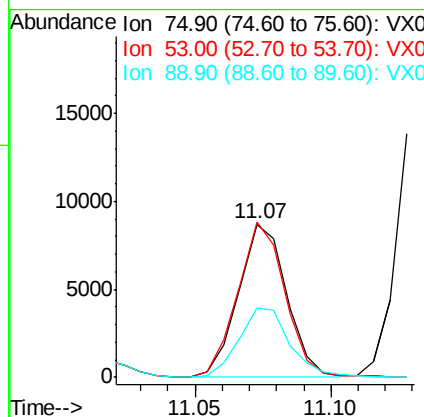
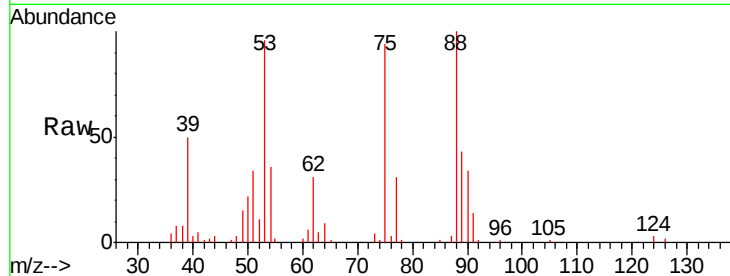
ClientSampleId :

VX1119WBS01

Tgt Ion:	75	Resp:	10715
Ion Ratio	Lower	Upper	
75	100		
53	99.9	80.2	120.2
89	48.4	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#82

4-Chlorotoluene

Concen: 20.83 ug/l

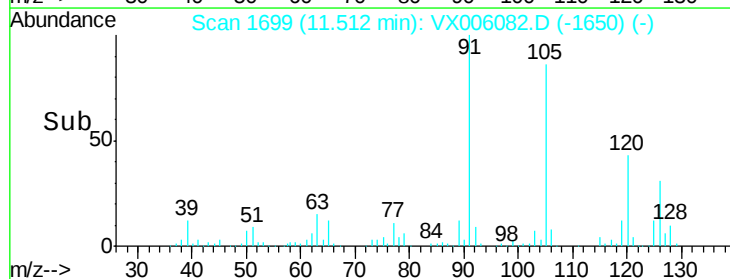
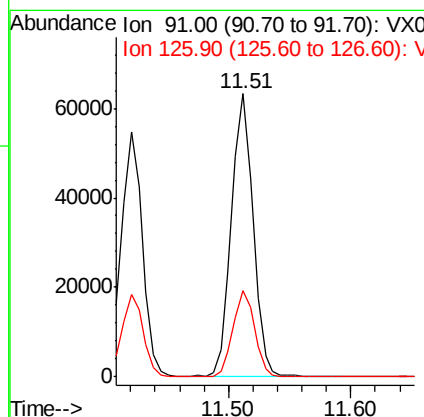
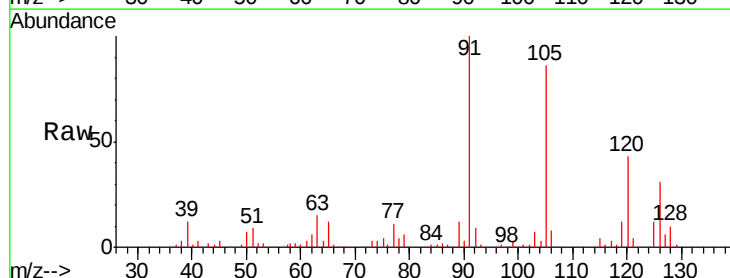
RT: 11.51 min Scan# 1699

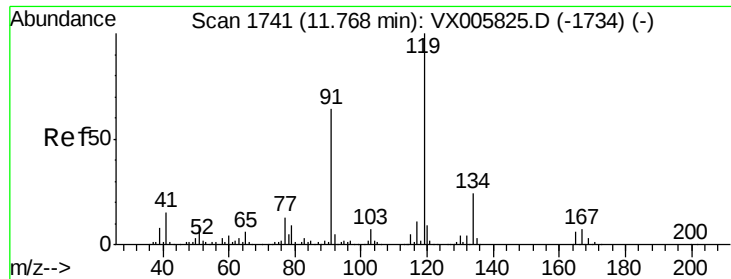
Delta R.T. -0.00 min

Lab File: VX006082.D

Acq: 19 Nov 2018 11:14

Tgt Ion:	91	Resp:	77423
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.2	45.6





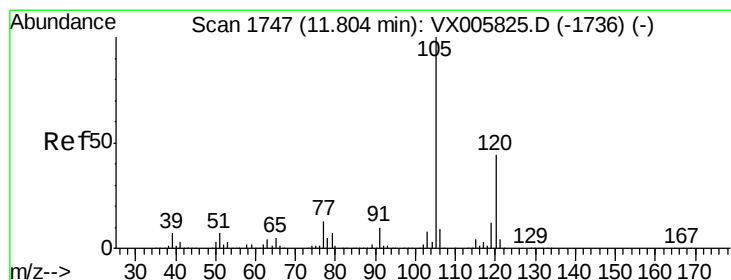
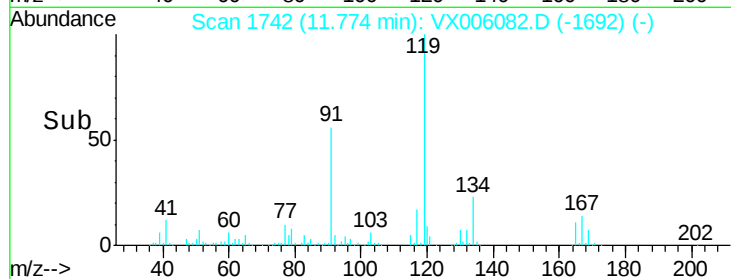
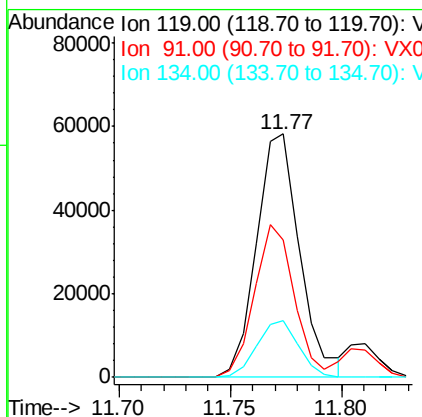
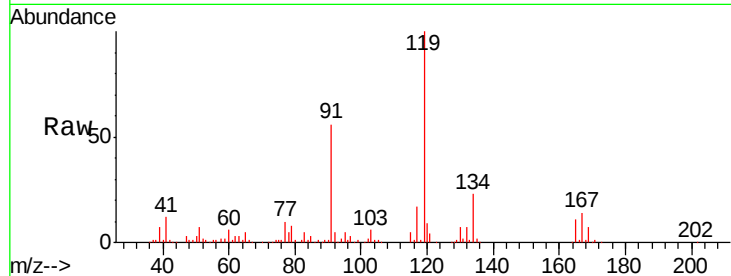
#83
 tert-Butylbenzene
 Concen: 20.68 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.5	85.5
134	22.6	11.3	33.8

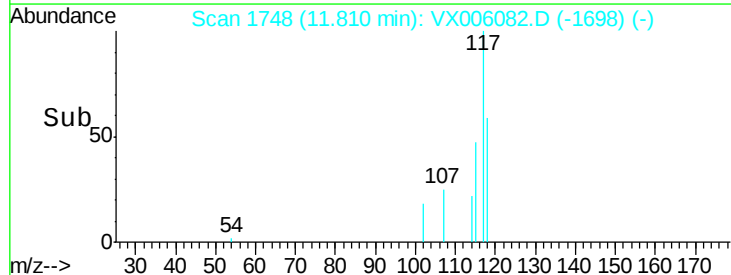
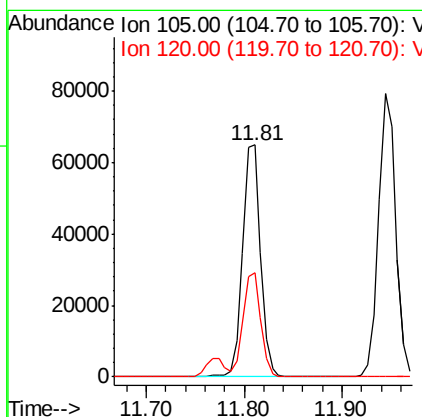
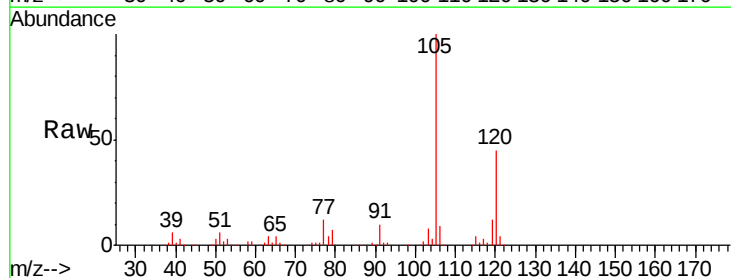
Manual Integrations
 APPROVED

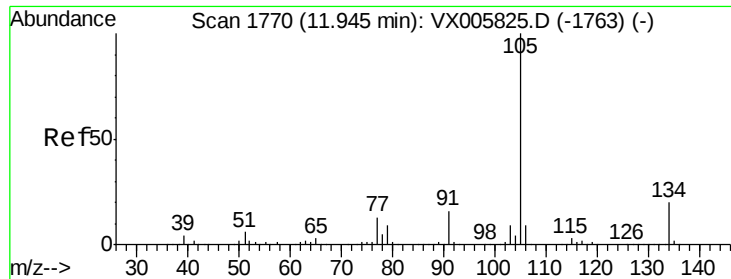
MMDadoda
 11/20/2018 9:59:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.0





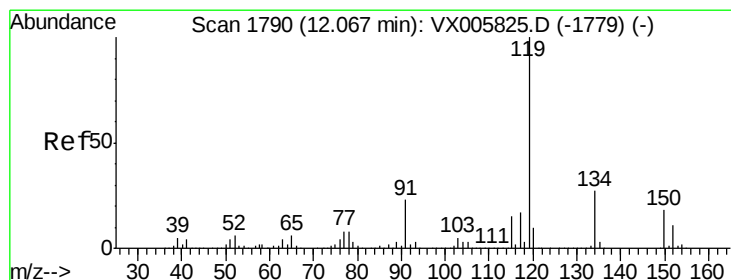
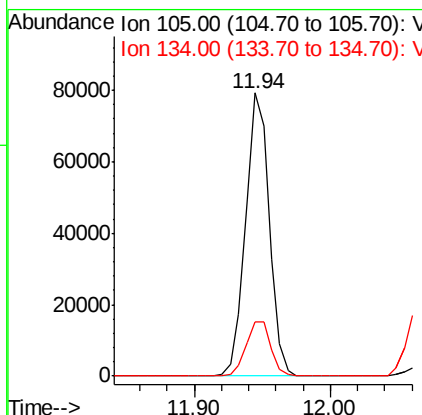
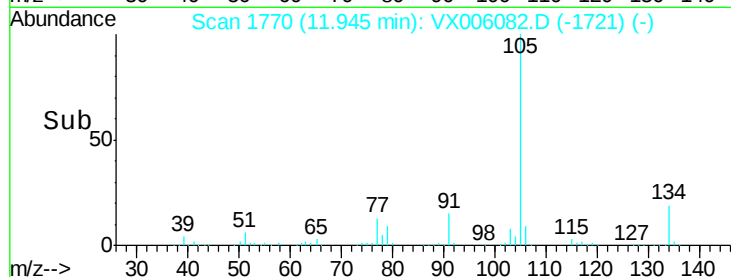
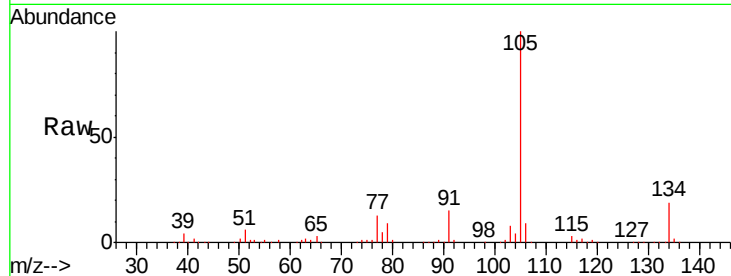
#85
 sec-Butylbenzene
 Concen: 20.77 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion:105 Resp: 96671
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4

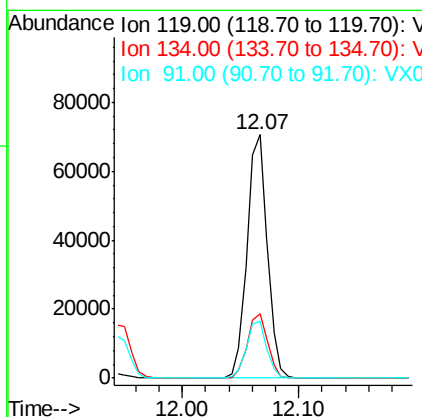
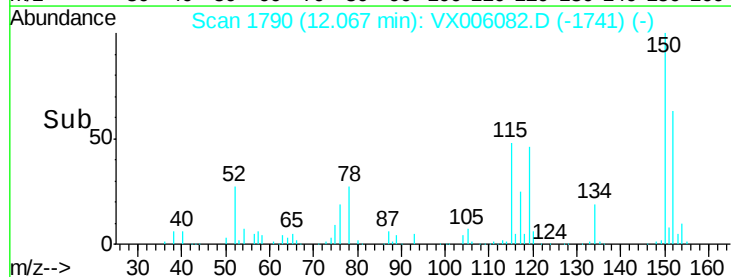
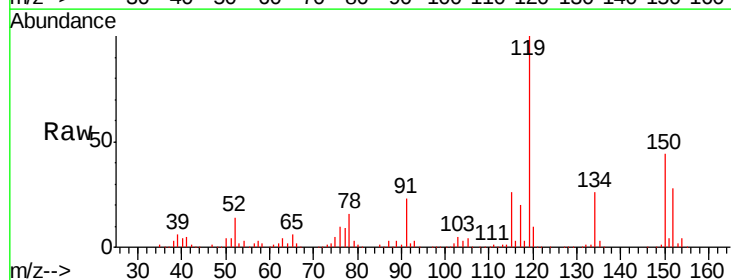
Manual Integrations
 APPROVED

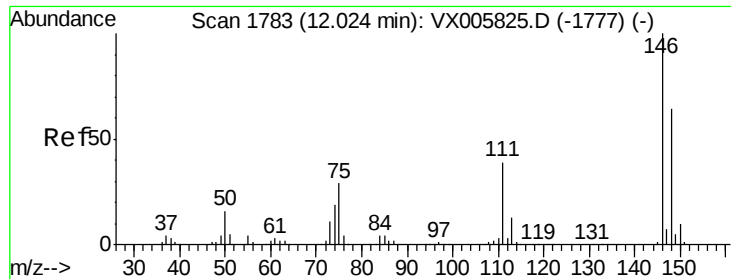
MMDadoda
 11/20/2018 9:59:31 AM



#86
 p-Isopropyltoluene
 Concen: 20.90 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion:119 Resp: 86171
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 23.7 11.4 34.2





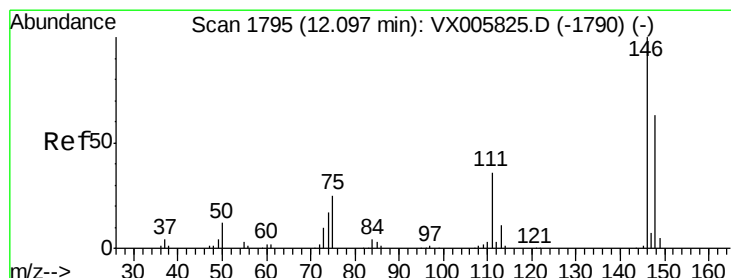
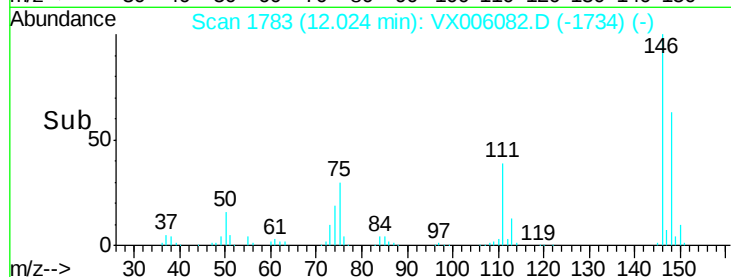
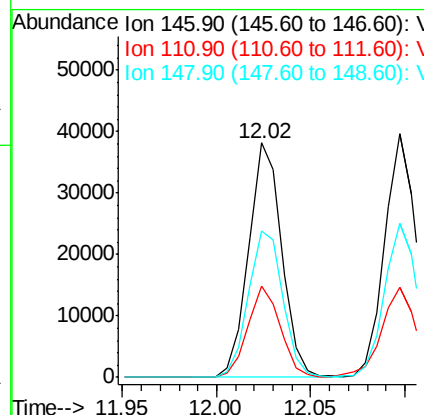
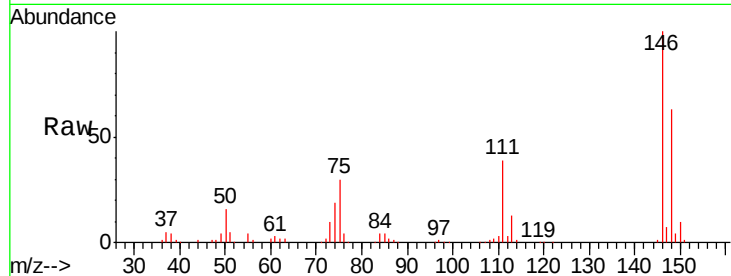
#87
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.9	31.9	95.9

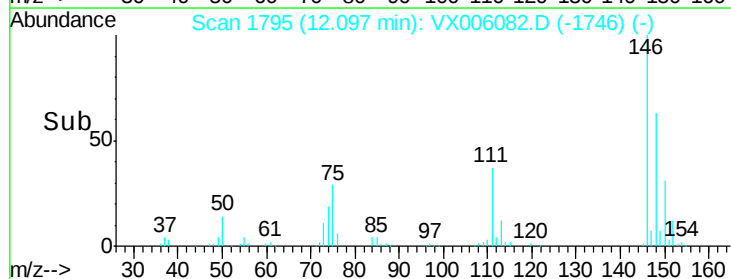
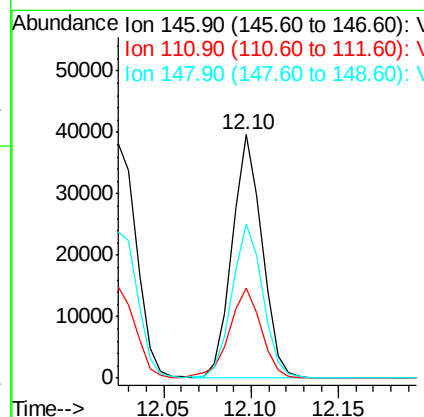
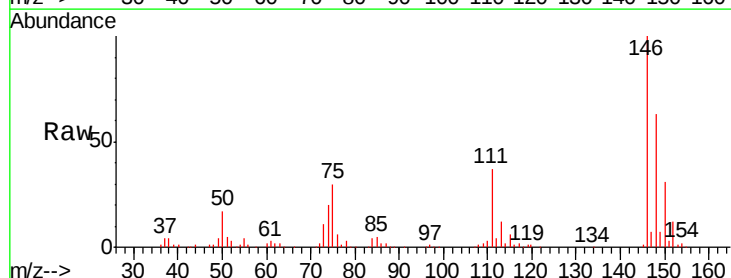
Manual Integrations
 APPROVED

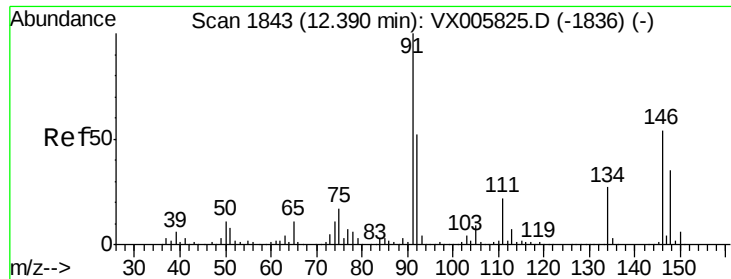
MMDadoda
 11/20/2018 9:59:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.33 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.6	55.8
148	65.0	32.1	96.3





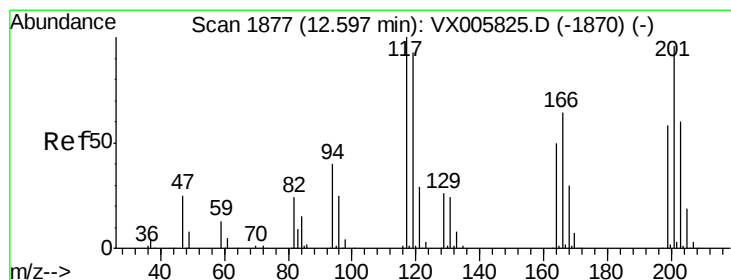
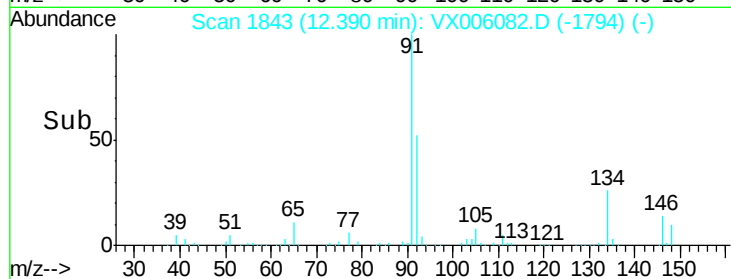
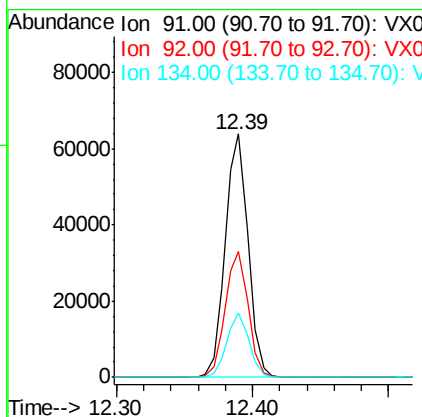
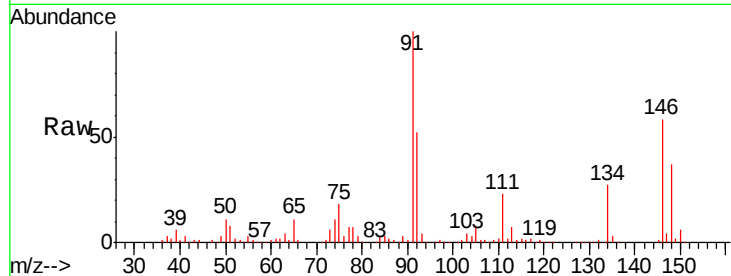
#89
n-Butylbenzene
Concen: 19.45 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion: 91 Resp: 74315
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 25.8 13.1 39.3

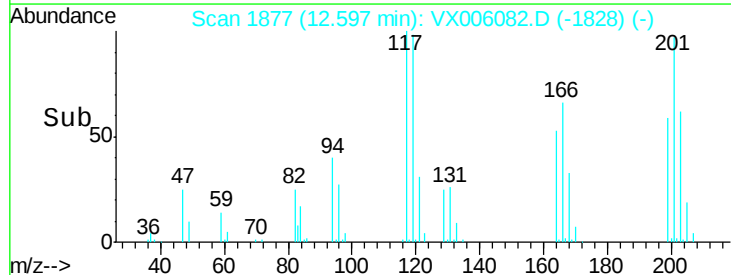
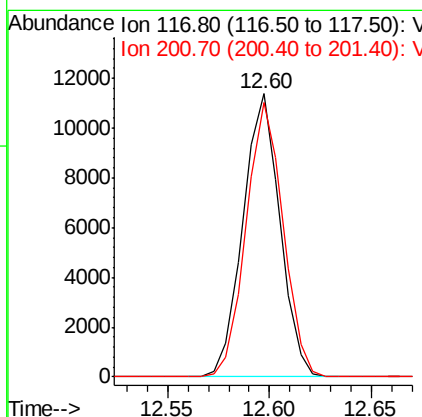
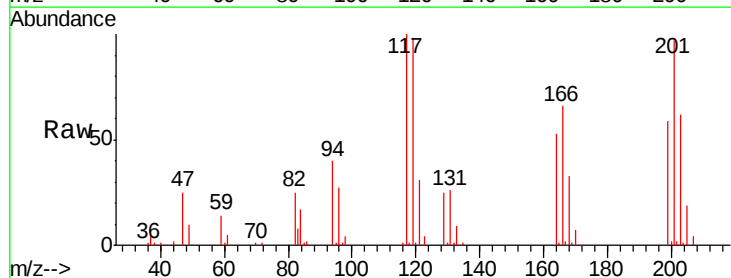
Manual Integrations
APPROVED

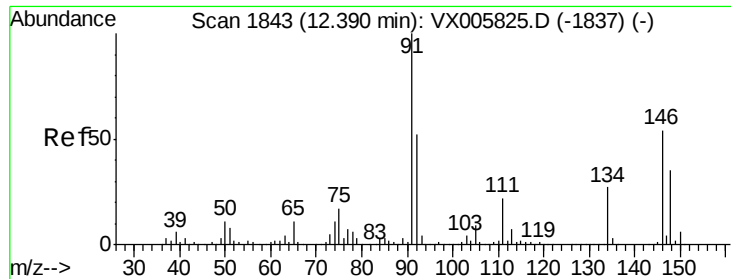
MMDadoda
11/20/2018 9:59:31 AM



#90
Hexachloroethane
Concen: 20.82 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion: 117 Resp: 14328
Ion Ratio Lower Upper
117 100
201 97.0 47.9 143.6





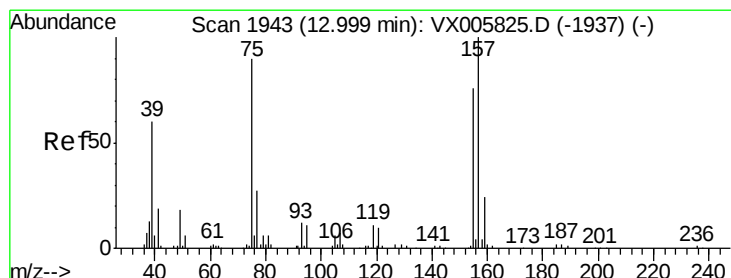
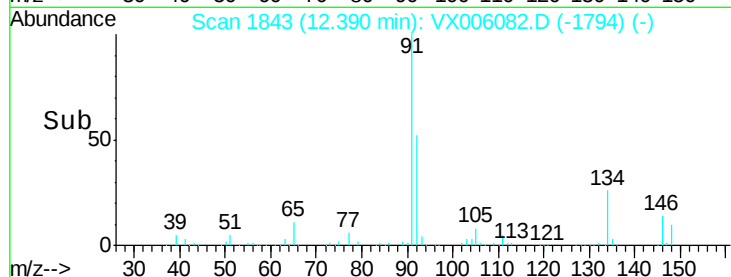
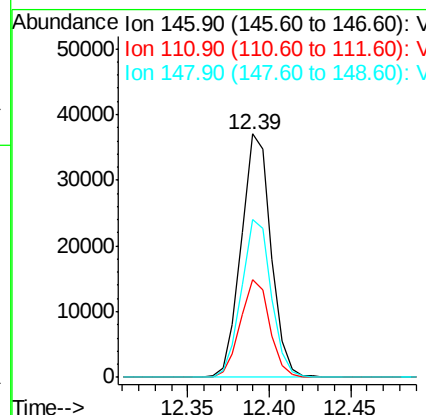
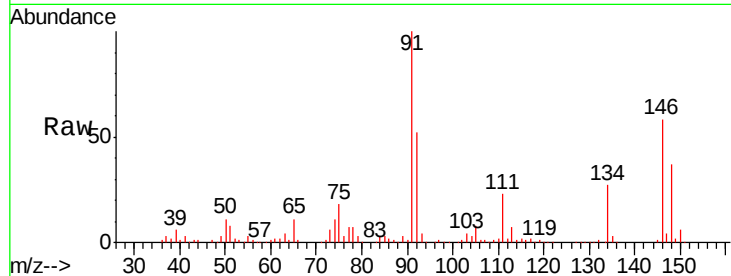
#91
 1,2-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.6	32.2	96.6

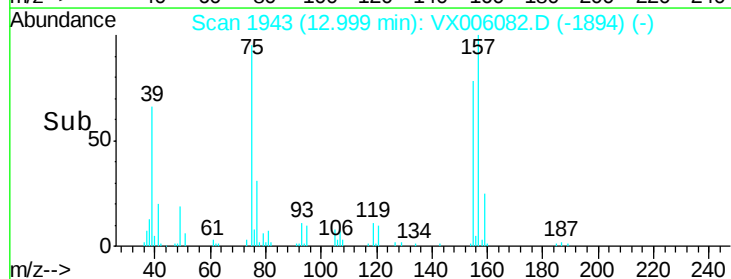
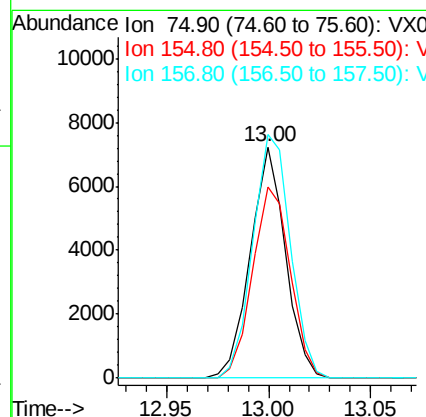
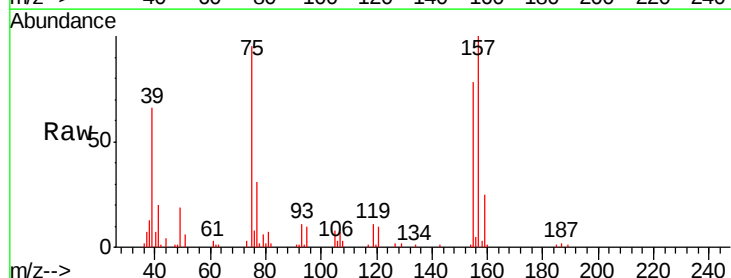
Manual Integrations
 APPROVED

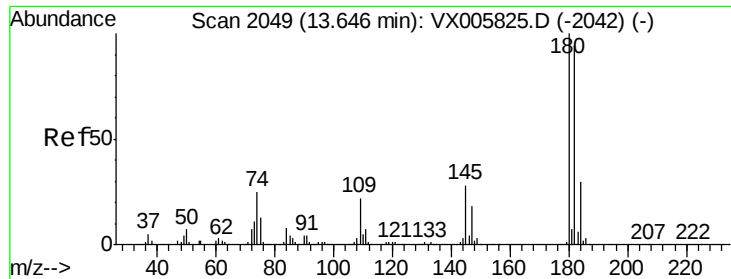
MMDadoda
 11/20/2018 9:59:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.90 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	45.4	136.1
157	112.6	57.4	172.0





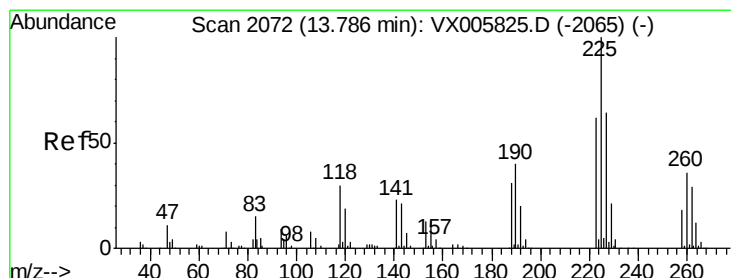
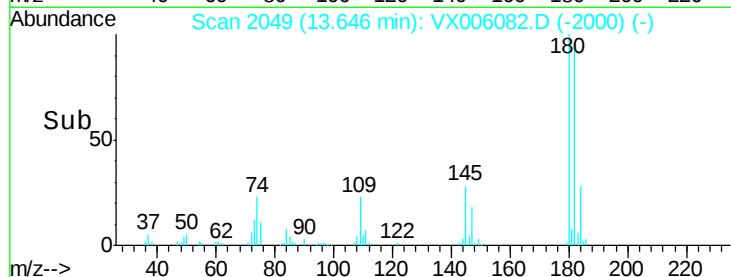
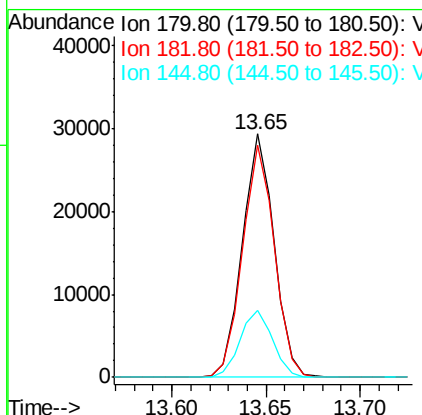
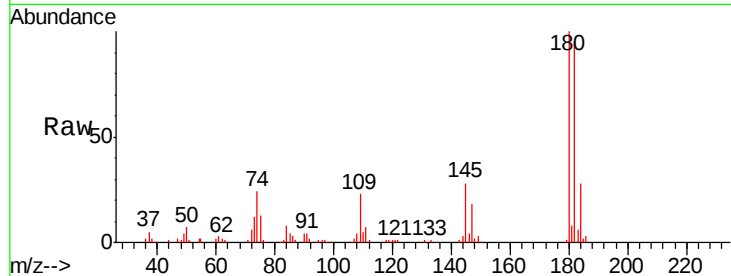
#93
 1,2,4-Trichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	28.4	14.1	42.2

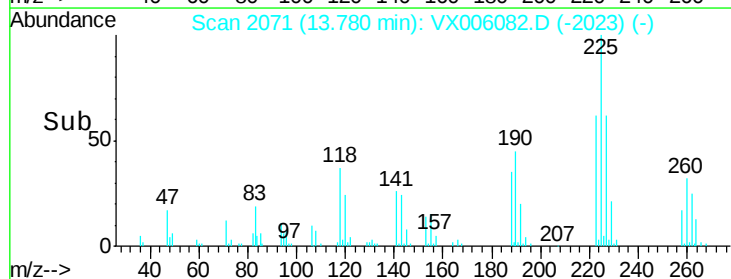
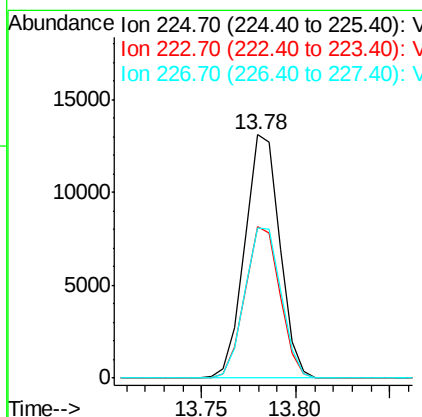
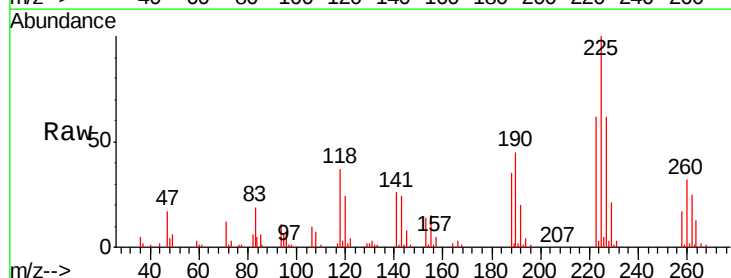
Manual Integrations
 APPROVED

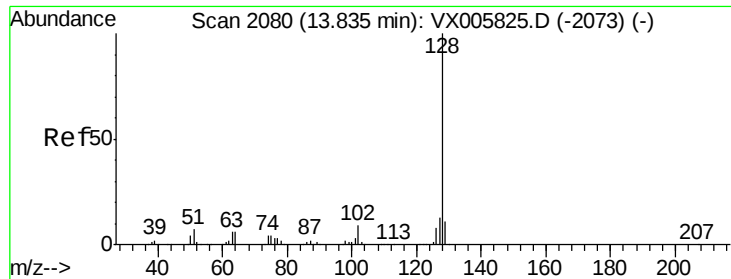
MMDadoda
 11/20/2018 9:59:31 AM



#94
 Hexachlorobutadiene
 Concen: 19.03 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006082.D
 Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.7	95.1
227	63.9	32.3	96.9





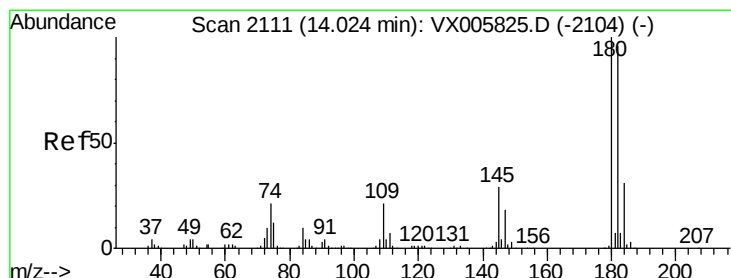
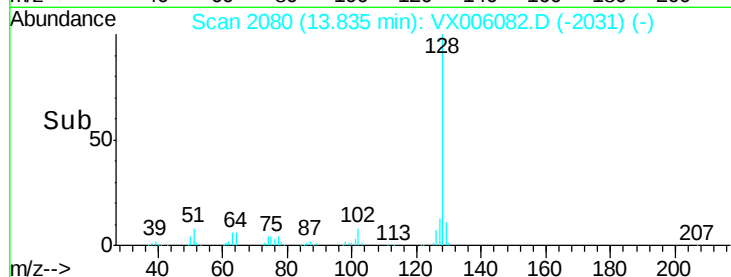
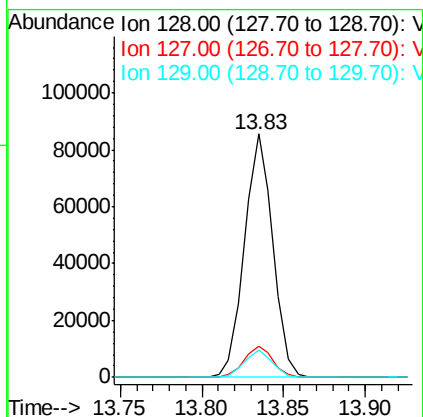
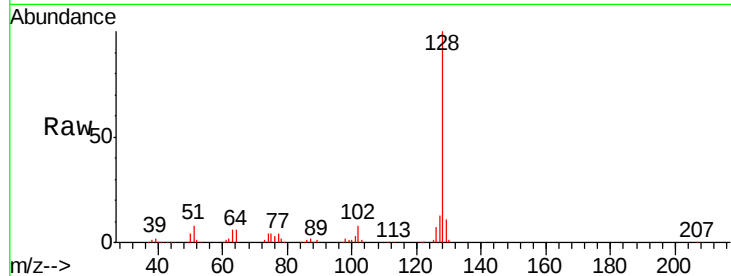
#95
Naphthalene
Concen: 19.59 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.42 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006082.D
Acq: 19 Nov 2018 11:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	30.1	15.1	45.3

