

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005300.D
 Acq On : 12 Oct 2018 18:18
 Operator : JC/MD
 Sample : VX1012WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:44 AM

Quant Time: Oct 13 04:44:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400317	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194687	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	150403	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.50	113	119877	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
50) Toluene-d8	8.71	98	440841	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.14	95	159599	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	42371	19.95	ug/l	98
3) Chloromethane	1.32	50	64167	20.85	ug/l	99
4) Vinyl Chloride	1.40	62	61995	19.89	ug/l	89
5) Bromomethane	1.64	94	33112	19.17	ug/l	99
6) Chloroethane	1.71	64	37057	19.15	ug/l	89
7) Trichlorofluoromethane	1.92	101	85807	20.63	ug/l	90
8) Diethyl Ether	2.19	74	34079	19.19	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	46426	19.34	ug/l	96
10) Methyl Iodide	2.51	142	48526	20.00	ug/l	98
11) Tert butyl alcohol	3.08	59	95346	112.13	ug/l	100
12) 1,1-Dichloroethene	2.37	96	46751	19.65	ug/l	97
13) Acrolein	2.29	56	52270	94.99	ug/l	98
14) Allyl chloride	2.73	41	101851	19.50	ug/l	96
15) Acrylonitrile	3.15	53	188289	97.72	ug/l	97
16) Acetone	2.45	43	178874	102.63	ug/l #	87
17) Carbon Disulfide	2.56	76	146397	20.32	ug/l #	93
18) Methyl Acetate	2.78	43	101245	20.42	ug/l	91
19) Methyl tert-butyl Ether	3.21	73	171934	20.52	ug/l	95
20) Methylene Chloride	2.86	84	55454	21.08	ug/l	86
21) trans-1,2-Dichloroethene	3.16	96	51305	19.46	ug/l #	79
22) Diisopropyl ether	3.87	45	165820	18.90	ug/l	94
23) Vinyl Acetate	3.83	43	776972	101.34	ug/l #	92
24) 1,1-Dichloroethane	3.68	63	97865	19.47	ug/l	94
25) 2-Butanone	4.71	43	247982	97.25	ug/l	93
26) 2,2-Dichloropropane	4.58	77	62742	16.69	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	53927	18.82	ug/l	94
28) Bromochloromethane	5.02	49	44385	19.37	ug/l	89
29) Tetrahydrofuran	5.16	42	175459	107.87	ug/l	89
30) Chloroform	5.22	83	89667	19.22	ug/l	98
31) Cyclohexane	5.57	56	80327	19.39	ug/l	84
32) 1,1,1-Trichloroethane	5.50	97	81434	20.06	ug/l	99
36) 1,1-Dichloropropene	5.79	75	66884	17.25	ug/l	99
37) Ethyl Acetate	4.85	43	94793	19.01	ug/l	96
38) Carbon Tetrachloride	5.78	117	69801	17.92	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005300.D
 Acq On : 12 Oct 2018 18:18
 Operator : JC/MD
 Sample : VX1012WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1012WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:44 AM

Quant Time: Oct 13 04:44:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69569	16.58	ug/l	94
40) Benzene	6.14	78	206562	17.76	ug/l	99
41) Methacrylonitrile	5.06	41	50013	18.71	ug/l	96
42) 1,2-Dichloroethane	6.20	62	77572	18.89	ug/l	95
43) Isopropyl Acetate	6.46	43	128405	19.33	ug/l	96
44) Trichloroethene	7.22	130	61027	20.18	ug/l	83
45) 1,2-Dichloropropane	7.51	63	53776	18.85	ug/l	93
46) Dibromomethane	7.66	93	33793	17.95	ug/l	100
47) Bromodichloromethane	7.90	83	63267	18.17	ug/l	96
48) Methyl methacrylate	7.78	41	63273	18.37	ug/l	96
49) 1,4-Dioxane	7.76	88	30297	381.32	ug/l	90
51) 4-Methyl-2-Pentanone	8.65	43	444836	96.73	ug/l	93
52) Toluene	8.79	92	122439	19.24	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	67544	17.92	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	74850	18.33	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	50538	18.75	ug/l	97
56) Ethyl methacrylate	9.18	69	73189	18.63	ug/l	95
57) 1,3-Dichloropropane	9.37	76	82743	18.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	211268	95.88	ug/l	95
59) 2-Hexanone	9.50	43	352128	95.19	ug/l	93
60) Dibromochloromethane	9.59	129	50775	18.23	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53009	18.74	ug/l	100
64) Tetrachloroethene	9.34	164	54641	19.46	ug/l	98
65) Chlorobenzene	10.14	112	138715	18.70	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	49638	18.77	ug/l	99
67) Ethyl Benzene	10.26	91	228429	18.94	ug/l	98
68) m/p-Xylenes	10.36	106	179110	38.26	ug/l	93
69) o-Xylene	10.70	106	85501	18.94	ug/l	97
70) Styrene	10.71	104	144477	19.46	ug/l	97
71) Bromoform	10.86	173	41602	17.61	ug/l #	98
73) Isopropylbenzene	11.02	105	233926	20.21	ug/l	99
74) N-amyl acetate	10.90	43	106592	19.10	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	83353	19.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	77126m	20.42	ug/l	
77) Bromobenzene	11.26	156	64973	19.63	ug/l	99
78) n-propylbenzene	11.36	91	268489	20.16	ug/l	99
79) 2-Chlorotoluene	11.42	91	161205	19.76	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	201015	20.28	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	21700	17.46	ug/l	98
82) 4-Chlorotoluene	11.51	91	191550	19.81	ug/l	100
83) tert-Butylbenzene	11.77	119	195030	19.43	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	206025	20.20	ug/l	98
85) sec-Butylbenzene	11.94	105	238158	20.05	ug/l	99
86) p-Isopropyltoluene	12.07	119	213378	19.88	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	117856	19.06	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121360	19.18	ug/l	98
89) n-Butylbenzene	12.39	91	182855	18.76	ug/l	97
90) Hexachloroethane	12.60	117	32704	17.68	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	121509	19.26	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20166	18.94	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
Data File : VX005300.D
Acq On : 12 Oct 2018 18:18
Operator : JC/MD
Sample : VX1012WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM

Quant Time: Oct 13 04:44:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	89157	19.26	ug/l	98
94) Hexachlorobutadiene	13.79	225	45992	18.81	ug/l	97
95) Naphthalene	13.83	128	269801	20.09	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	92629	19.55	ug/l	98

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

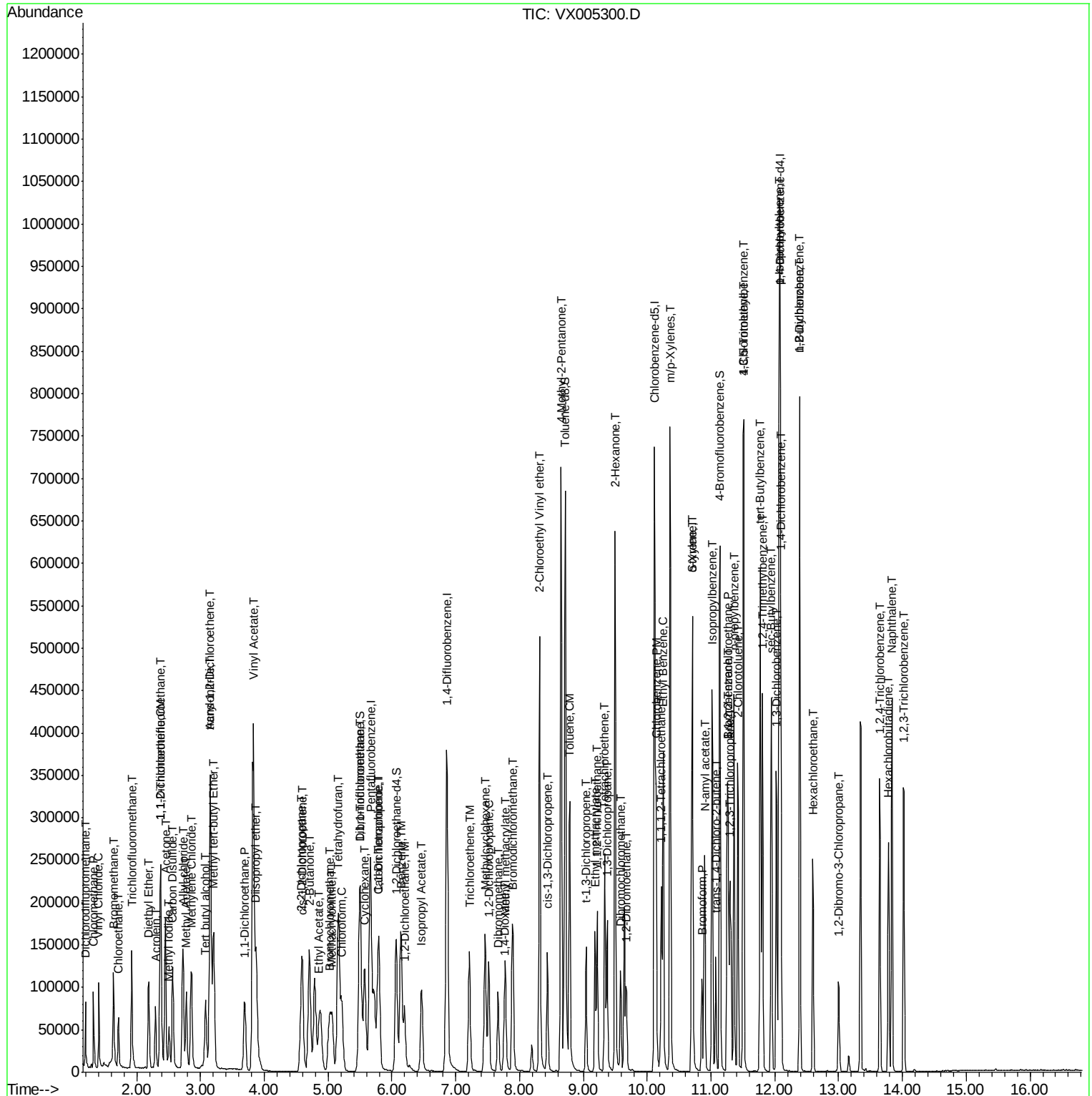
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
Data File : VX005300.D
Acq On : 12 Oct 2018 18:18
Operator : JC/MD
Sample : VX1012WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

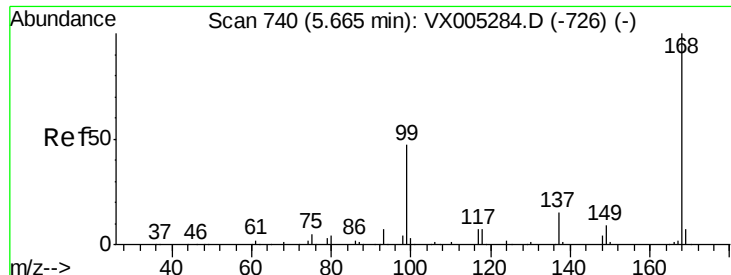
Instrument :
MSVOA_X
Client Sample ID :
VX1012WBSD01

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM

Quant Time: Oct 13 04:44:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion:168 Resp: 271604

Ion Ratio Lower Upper

168 100

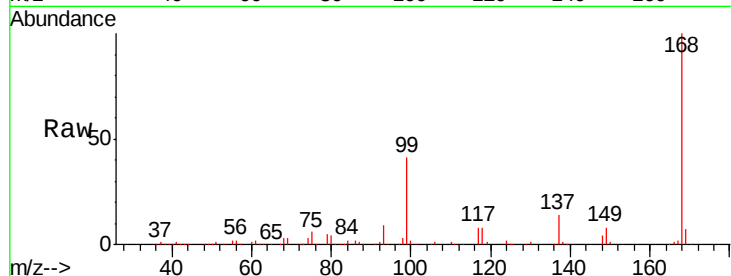
99 40.8 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

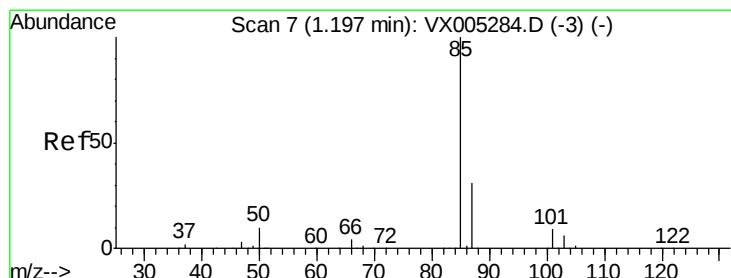
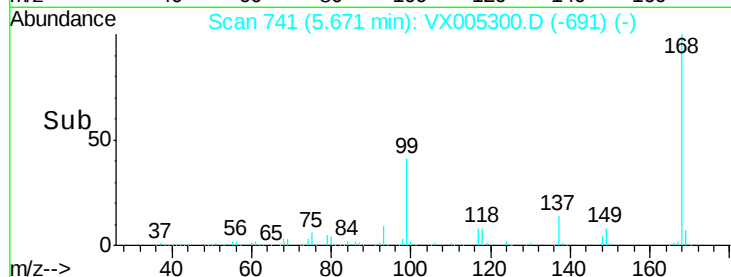
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.95 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005300.D

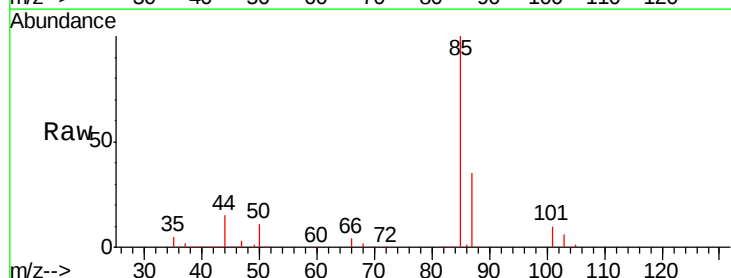
Acq: 12 Oct 2018 18:18

Tgt Ion: 85 Resp: 42371

Ion Ratio Lower Upper

85 100

87 35.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

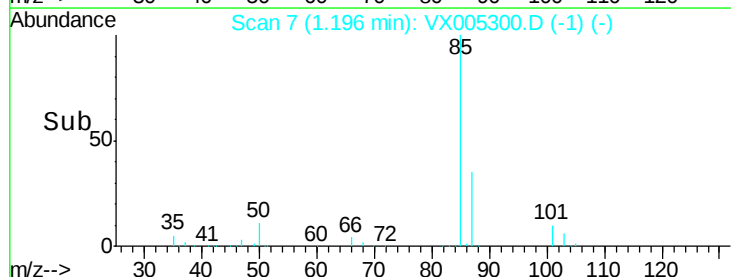
20000

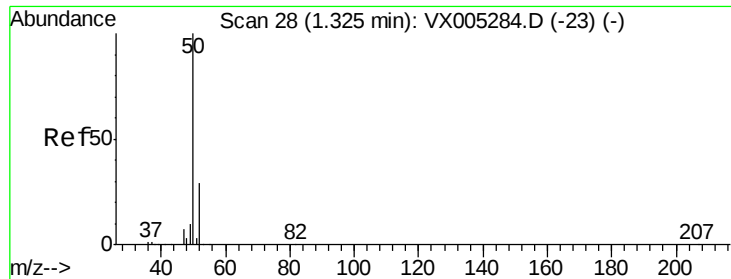
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.85 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 50 Resp: 64167

Ion Ratio Lower Upper

50 100

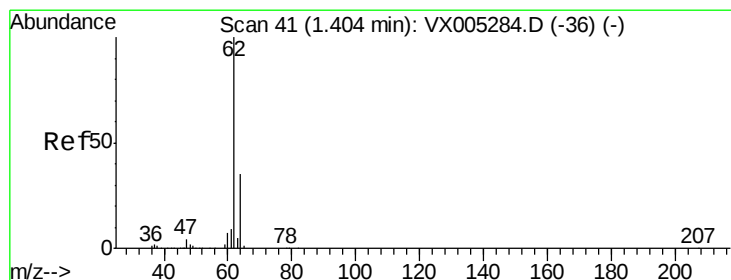
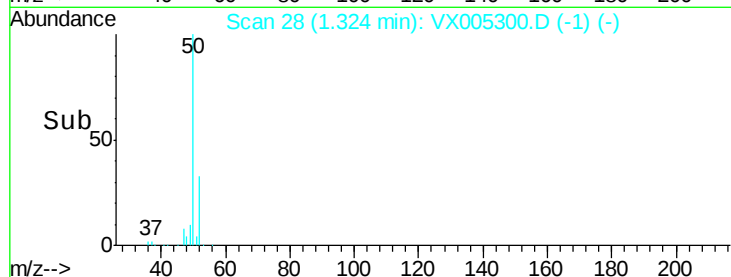
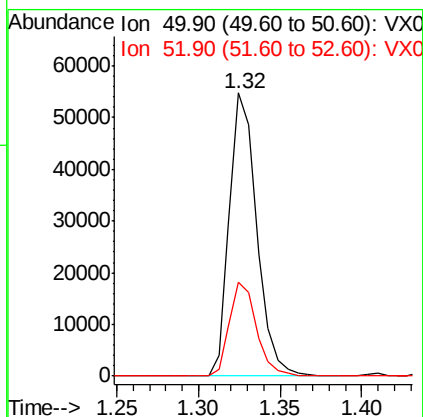
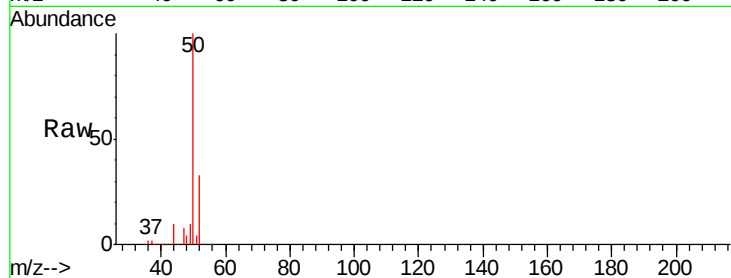
52 33.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



#4

Vinyl Chloride

Concen: 19.89 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005300.D

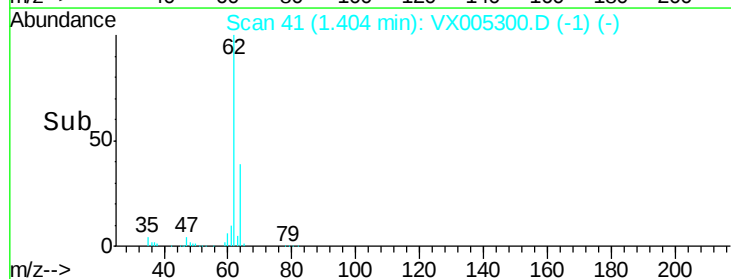
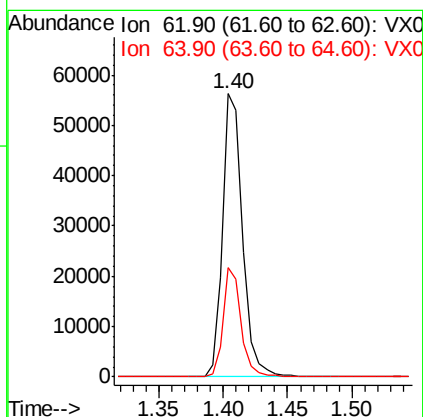
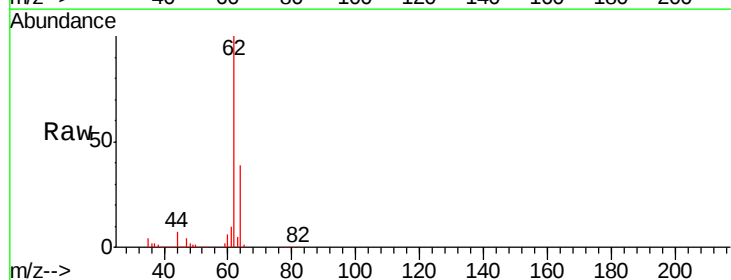
Acq: 12 Oct 2018 18:18

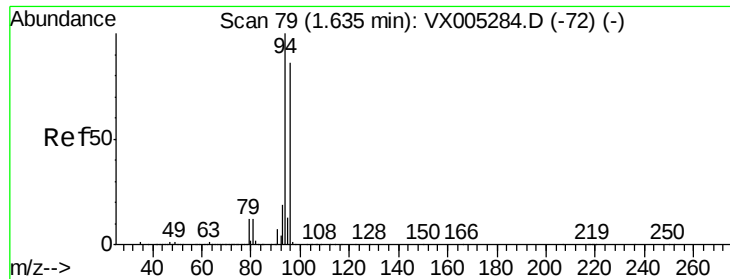
Tgt Ion: 62 Resp: 61995

Ion Ratio Lower Upper

62 100

64 38.6 25.8 38.8





#5

Bromomethane

Concen: 19.17 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 94 Resp: 33112

Ion Ratio Lower Upper

94 100

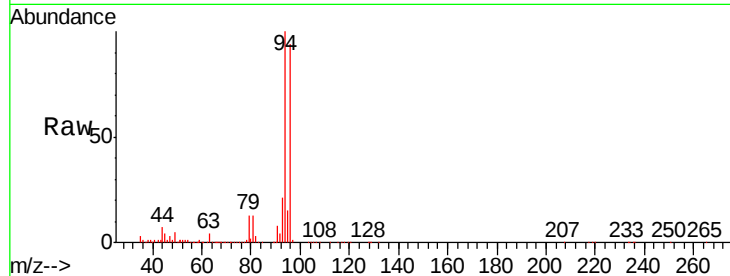
96 94.1 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

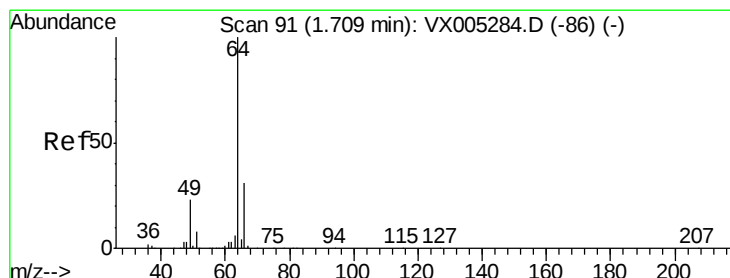
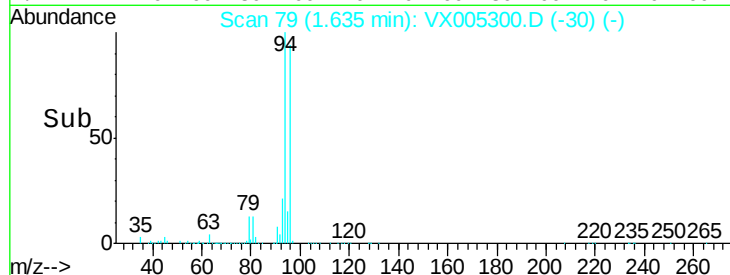
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.15 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005300.D

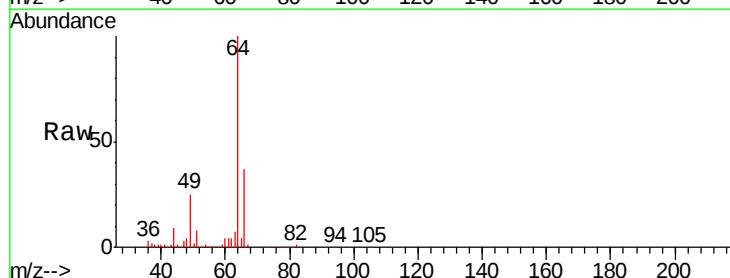
Acq: 12 Oct 2018 18:18

Tgt Ion: 64 Resp: 37057

Ion Ratio Lower Upper

64 100

66 36.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

25000

20000

15000

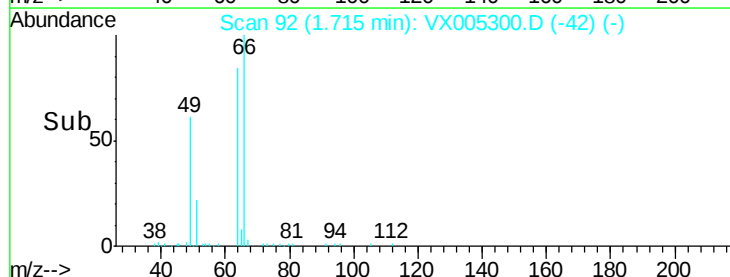
10000

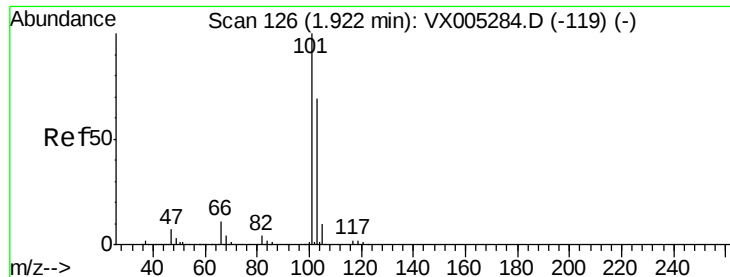
5000

0

Time-->

1.65 1.70 1.75 1.80





#7

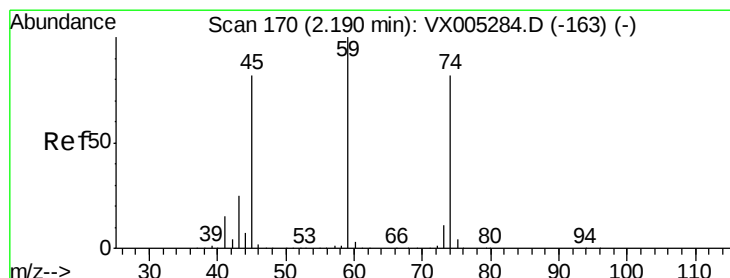
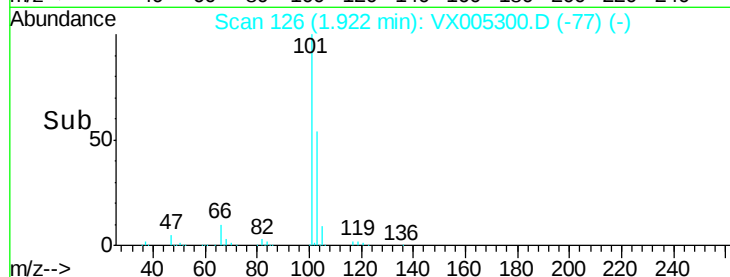
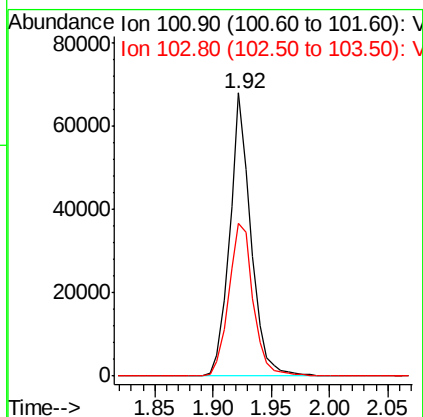
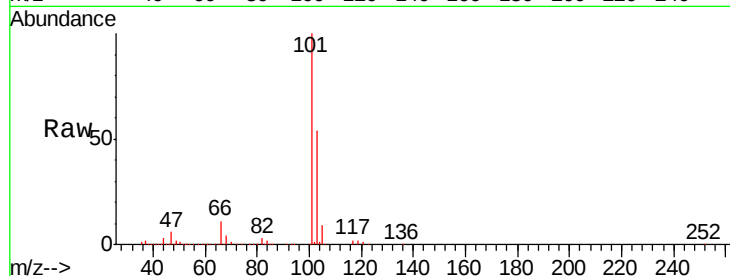
Trichlorofluoromethane
Concen: 20.63 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	53.8	48.9	73.3

Manual Integrations
APPROVED

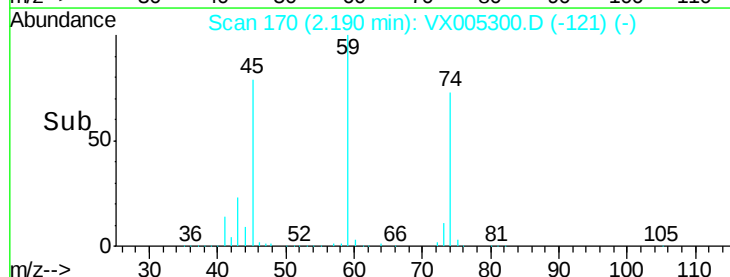
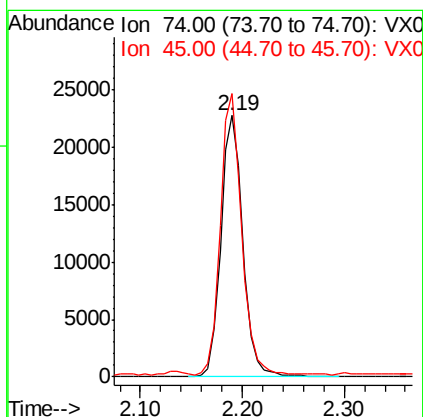
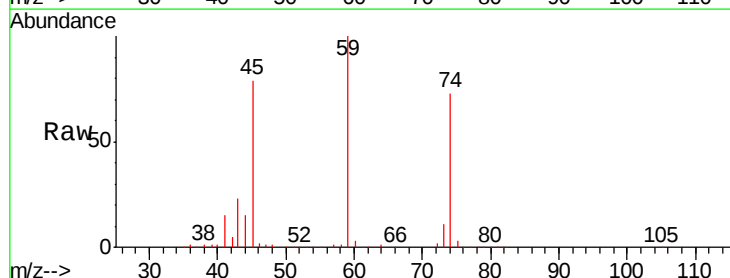
MMDadoda
10/17/2018 9:05:44 AM



#8

Diethyl Ether
Concen: 19.19 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.34 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

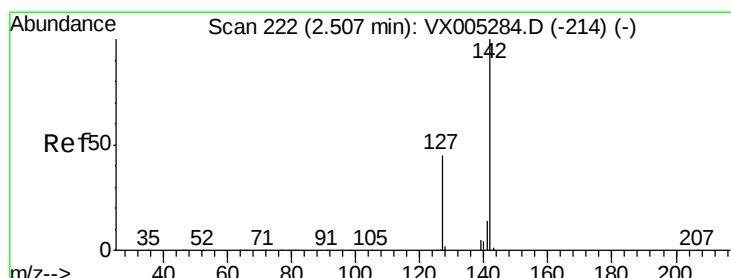
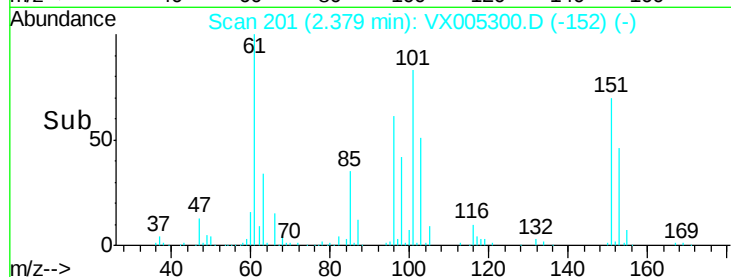
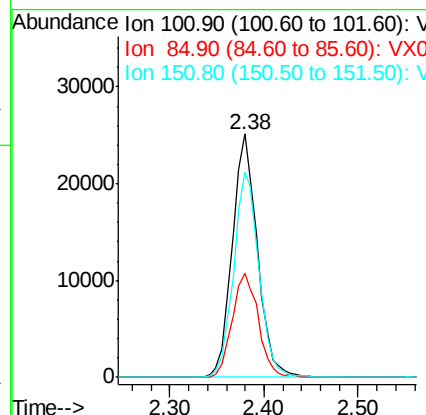
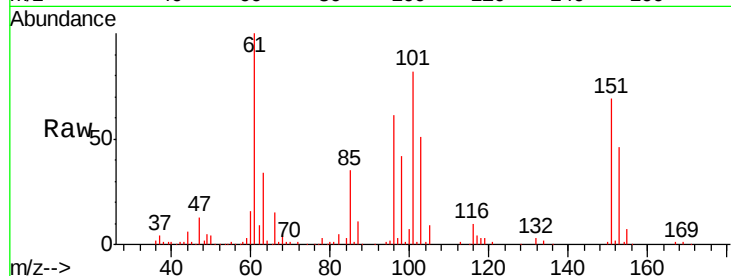
ClientSampleId :

VX1012WBSD01

Tgt Ion:	101	Resp:	46426
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.2	51.4
151	85.3	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#10

Methyl Iodide

Concen: 20.00 ug/l

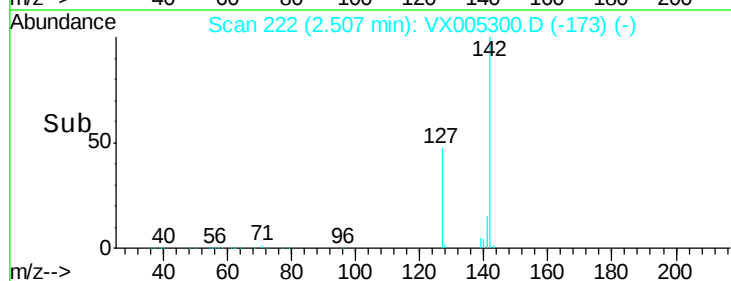
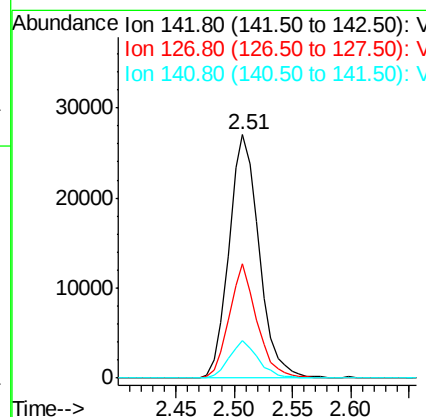
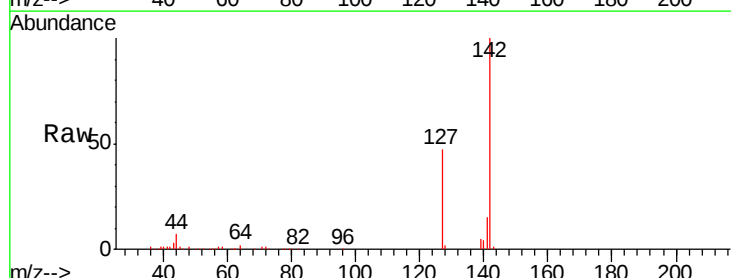
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	142	Resp:	48526
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.8	50.6
141	15.0	11.4	17.0





#11

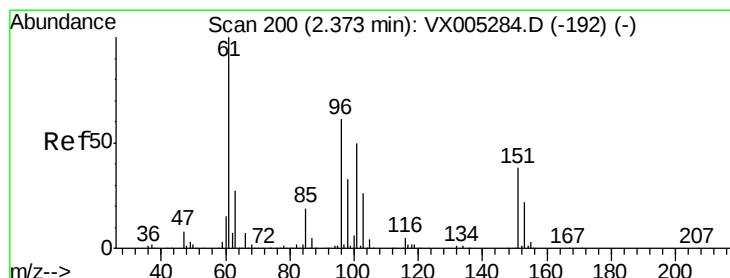
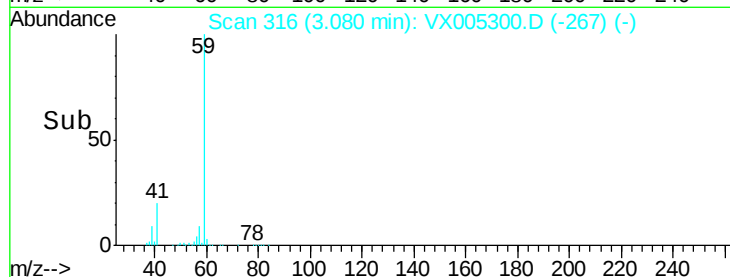
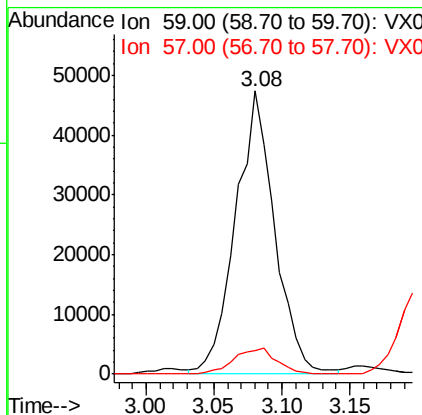
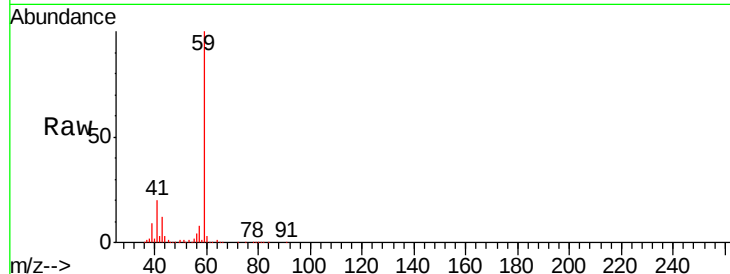
Tert butyl alcohol
Concen: 112.13 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 59 Resp: 95346
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

Manual Integrations
APPROVED

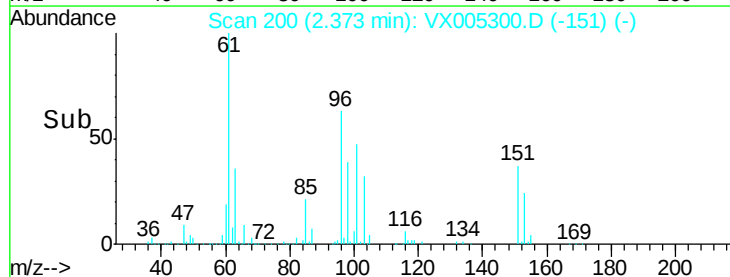
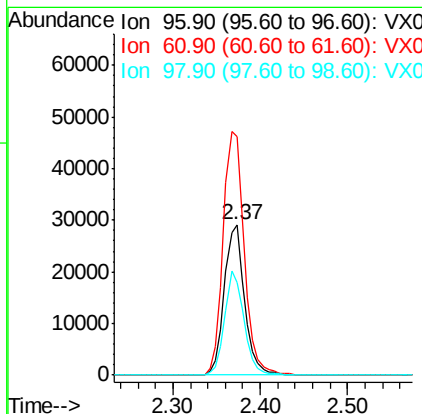
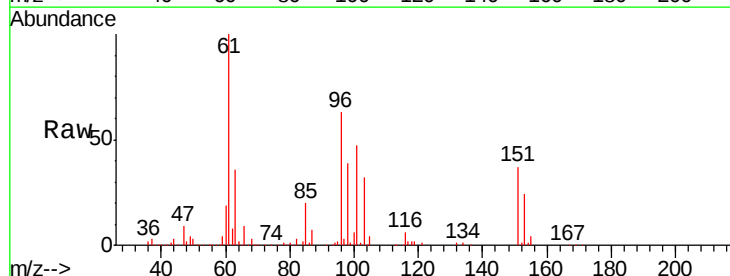
MMDadoda
10/17/2018 9:05:44 AM

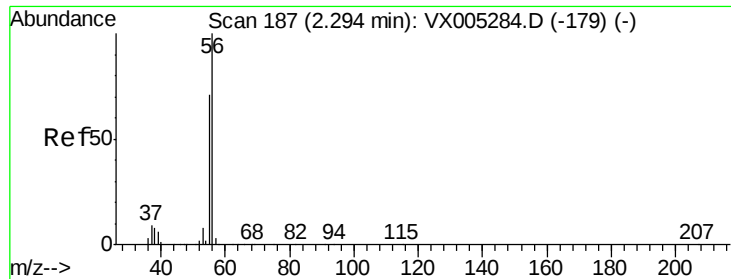


#12

1,1-Dichloroethene
Concen: 19.65 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 96 Resp: 46751
Ion Ratio Lower Upper
96 100
61 157.9 128.8 193.2
98 61.8 52.2 78.2





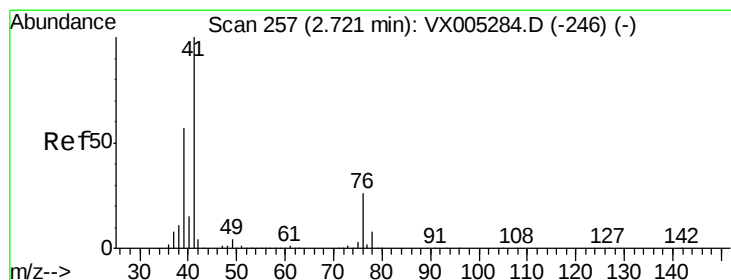
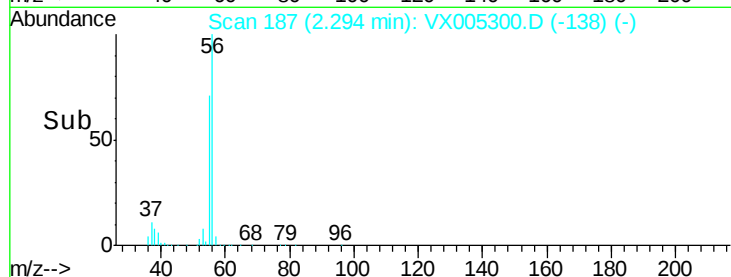
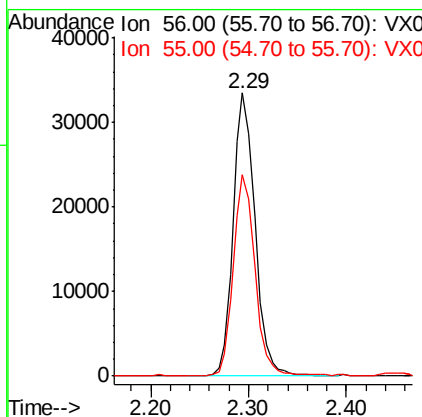
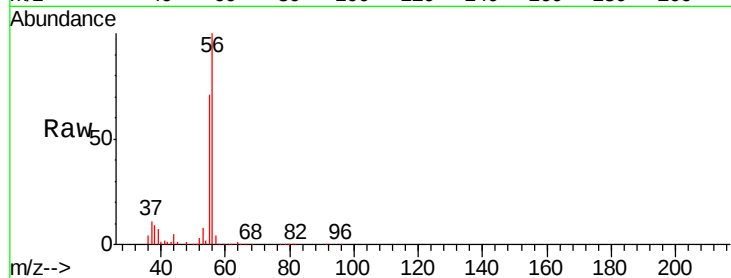
#13
Acrolein
Concen: 94.99 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 56 Resp: 52270
Ion Ratio Lower Upper
56 100
55 69.8 54.7 82.1

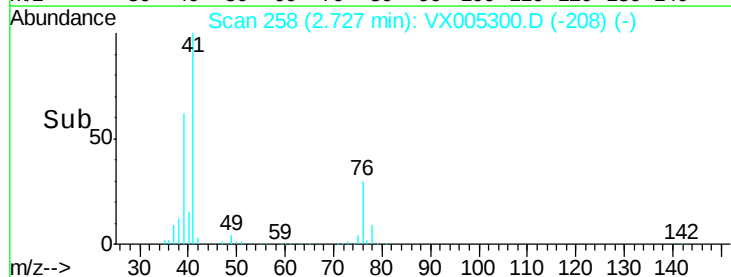
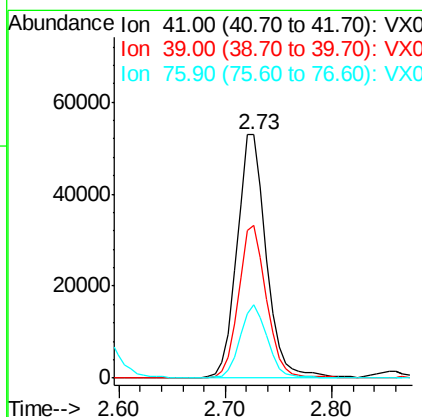
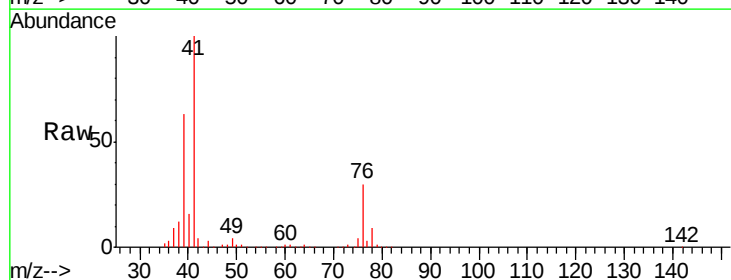
Manual Integrations
APPROVED

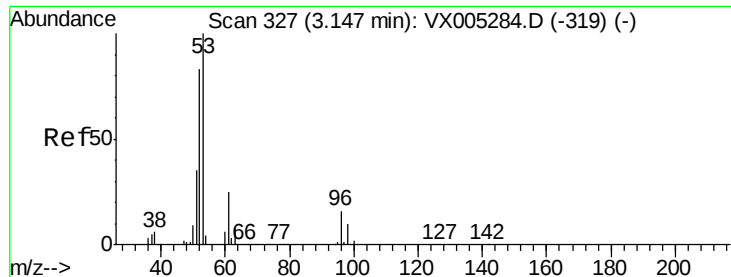
MMDadoda
10/17/2018 9:05:44 AM



#14
Allyl chloride
Concen: 19.50 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 41 Resp: 101851
Ion Ratio Lower Upper
41 100
39 59.9 48.9 73.3
76 28.5 26.7 40.1





#15

Acrylonitrile

Concen: 97.72 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

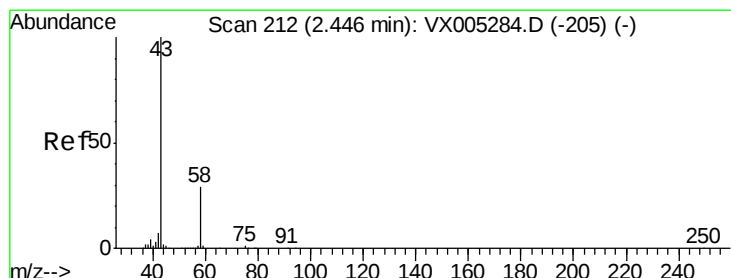
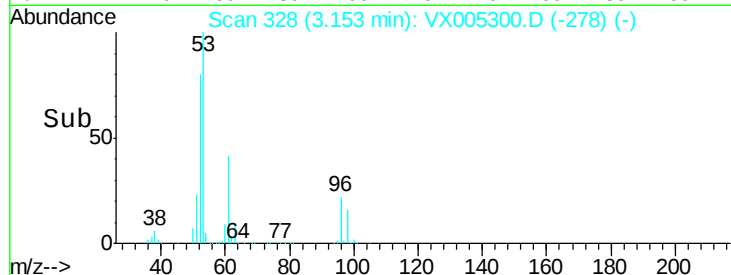
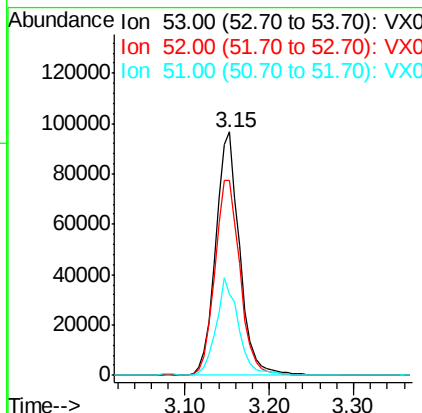
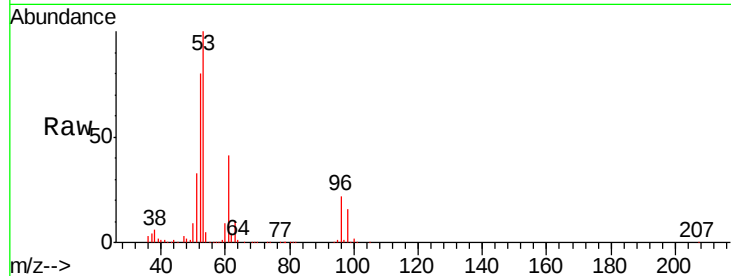
ClientSampleId :

VX1012WBSD01

Tgt Ion:	53	Resp:	188289
Ion	Ratio	Lower	Upper
53	100		
52	84.6	65.2	97.8
51	37.2	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#16

Acetone

Concen: 102.63 ug/l

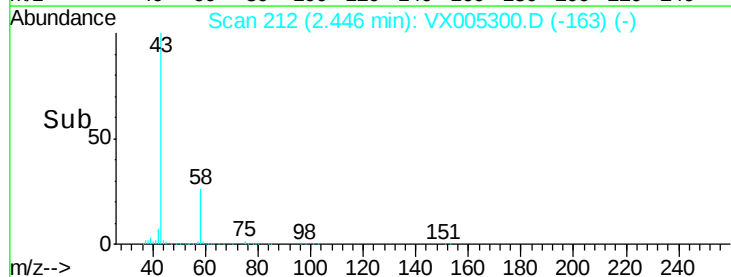
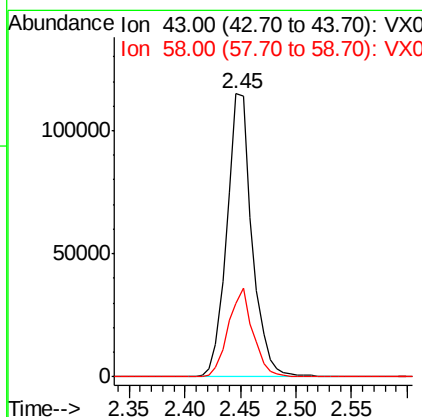
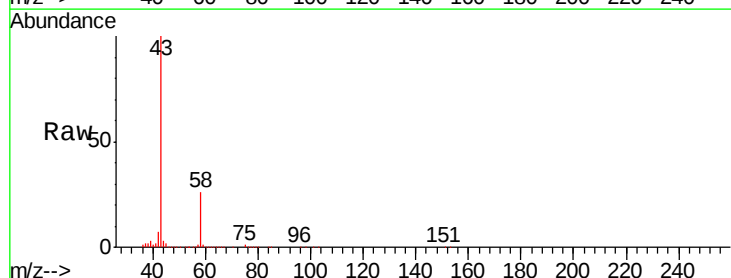
RT: 2.45 min Scan# 212

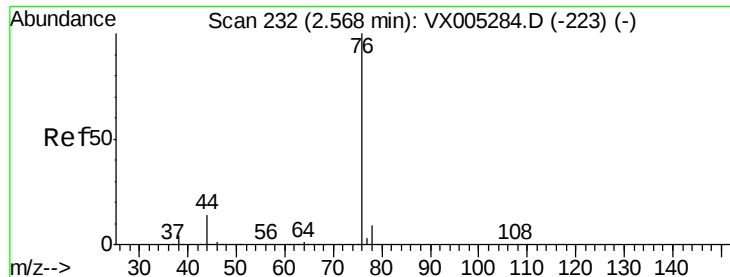
Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	43	Resp:	178874
Ion	Ratio	Lower	Upper
43	100		
58	25.7	26.2	39.4#





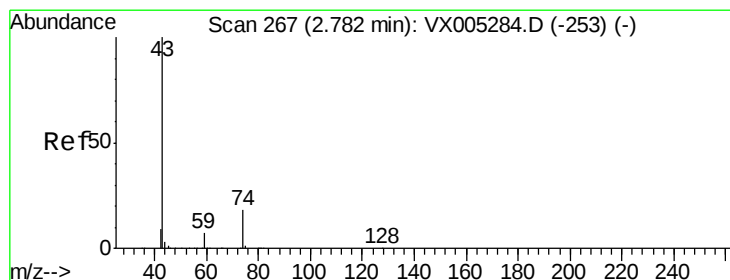
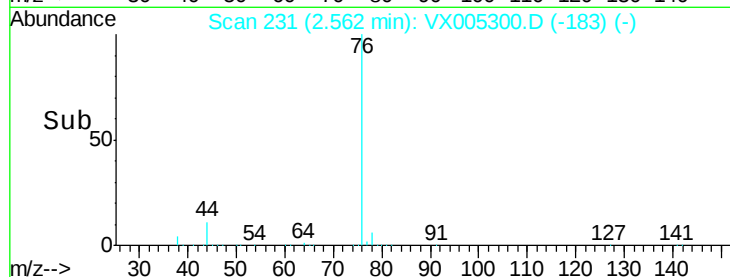
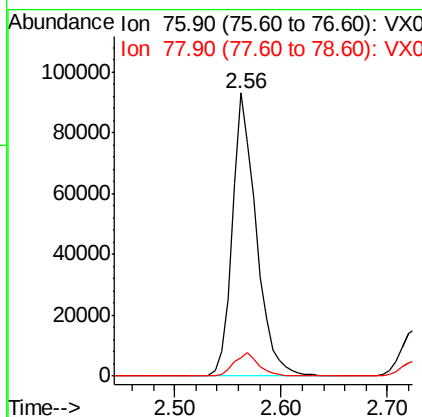
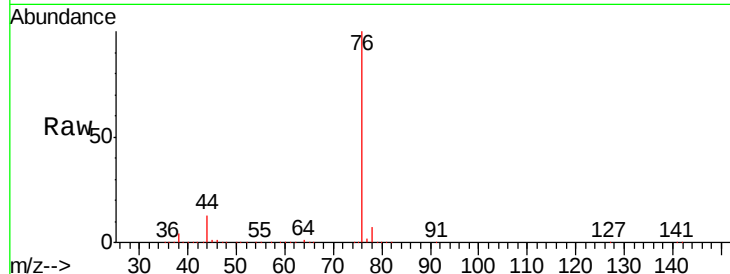
#17
Carbon Disulfide
Concen: 20.32 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 76 Resp: 146397
Ion Ratio Lower Upper
76 100
78 6.4 7.0 10.6#

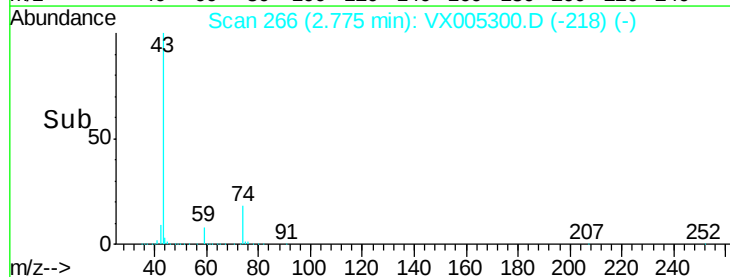
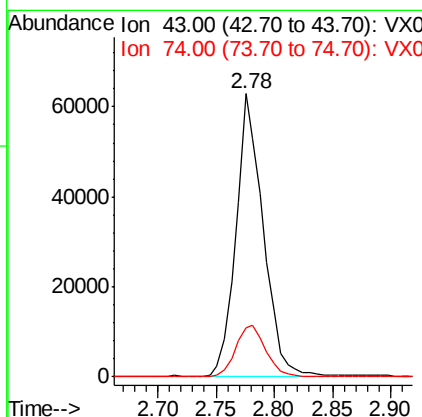
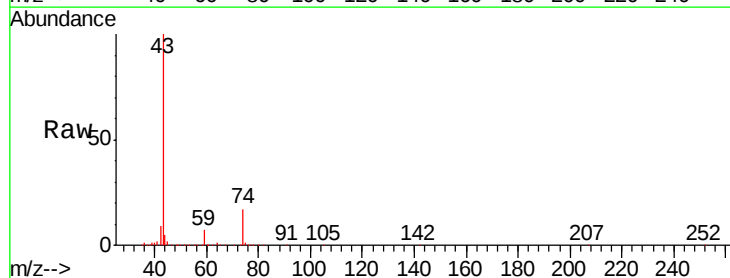
Manual Integrations
APPROVED

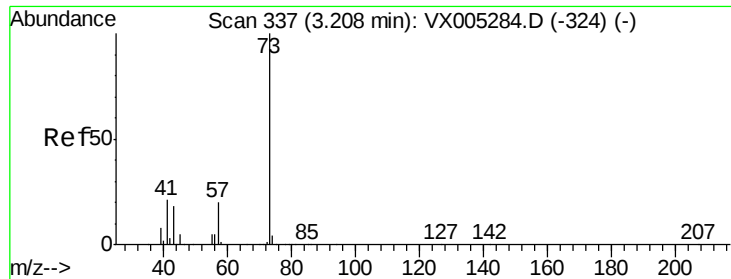
MMDadoda
10/17/2018 9:05:44 AM



#18
Methyl Acetate
Concen: 20.42 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 43 Resp: 101245
Ion Ratio Lower Upper
43 100
74 20.0 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 20.52 ug/l

RT: 3.21 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion: 73 Resp: 171934

Ion Ratio Lower Upper

73 100

57 19.0 17.1 25.7

Instrument :

MSVOA_X

ClientSampleId :

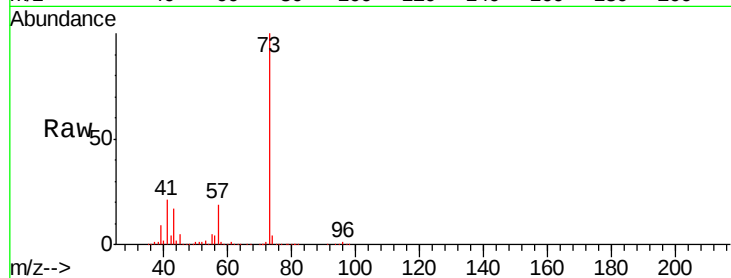
VX1012WBSD01

Manual Integrations

APPROVED

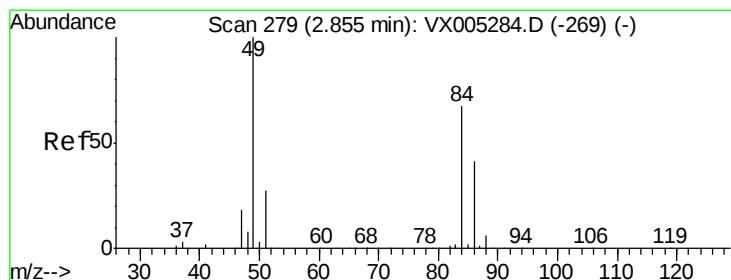
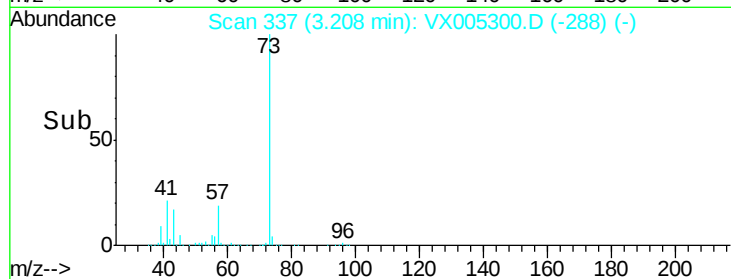
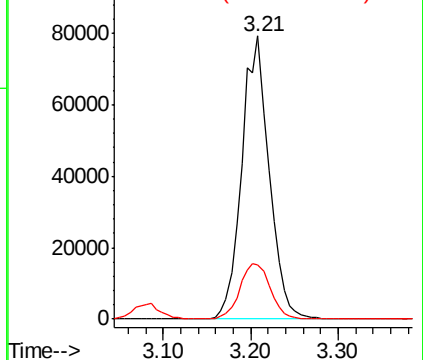
MMDadoda

10/17/2018 9:05:44 AM



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 21.08 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion: 84 Resp: 55454

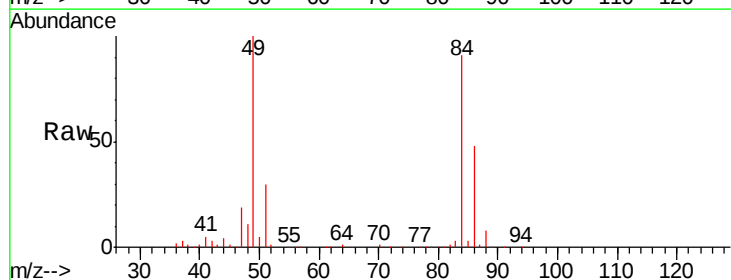
Ion Ratio Lower Upper

84 100

49 110.0 101.2 151.8

51 32.4 29.5 44.3

86 52.9 52.3 78.5

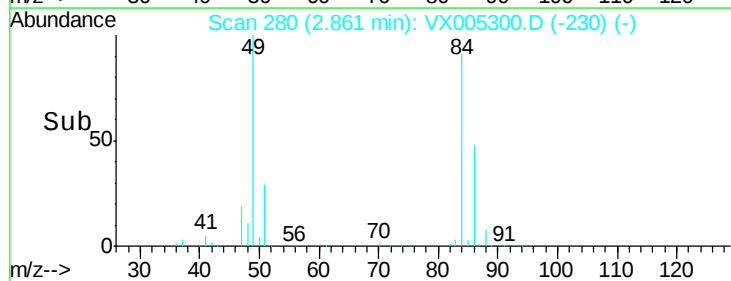
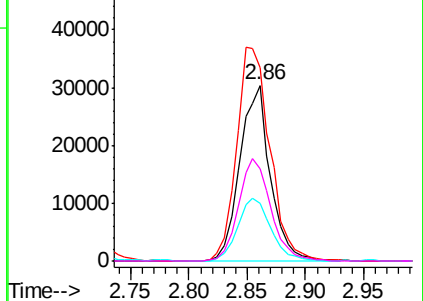


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 19.46 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

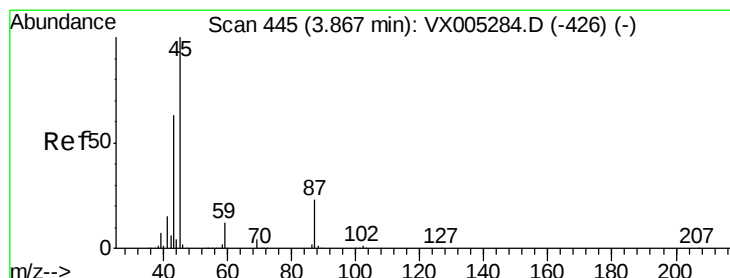
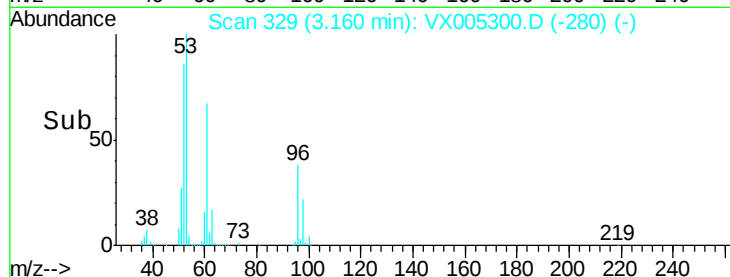
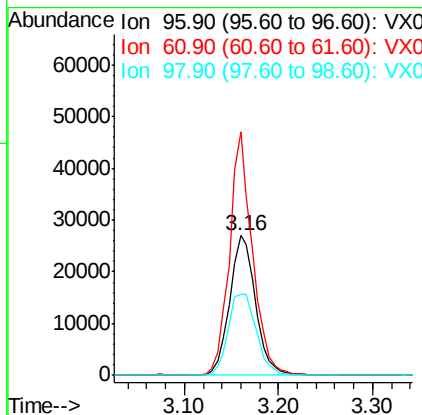
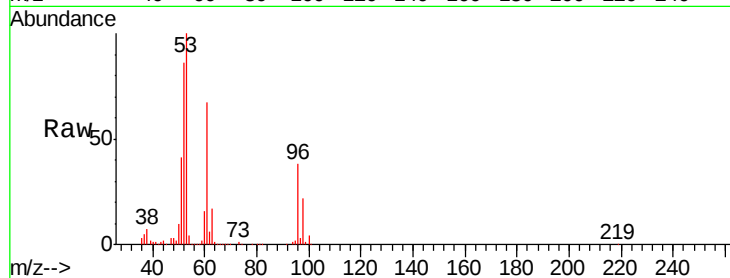
ClientSampleId :

VX1012WBSD01

Tgt Ion:	96	Resp:	51305
Ion Ratio	Lower	Upper	
96	100		
61	174.4	113.8	170.6#
98	58.1	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#22

Diisopropyl ether

Concen: 18.90 ug/l

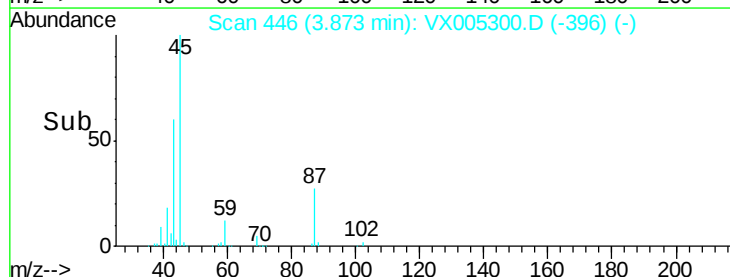
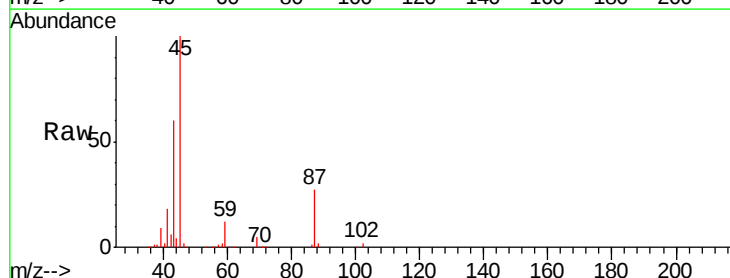
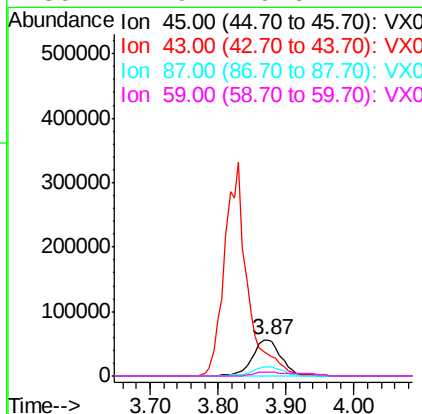
RT: 3.87 min Scan# 446

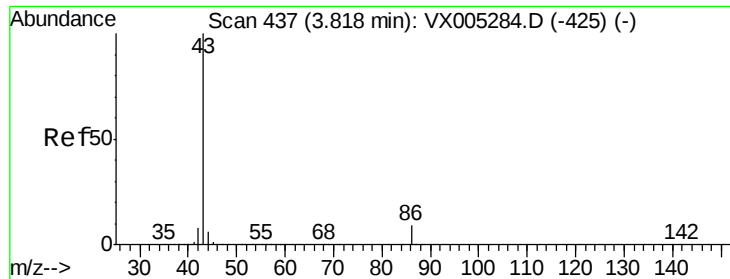
Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	45	Resp:	165820
Ion Ratio	Lower	Upper	
45	100		
43	59.6	42.8	64.2
87	26.6	22.6	34.0
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 101.34 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 43 Resp: 776972

Ion Ratio Lower Upper

43 100

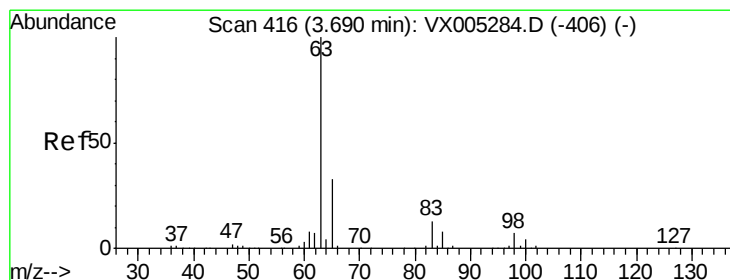
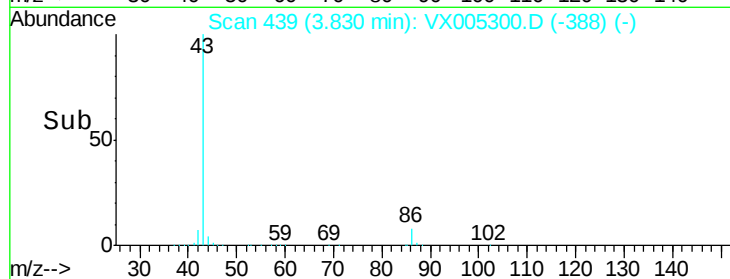
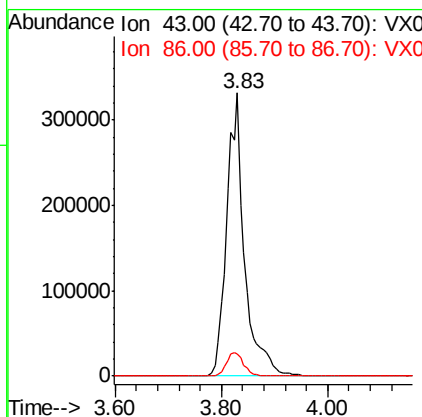
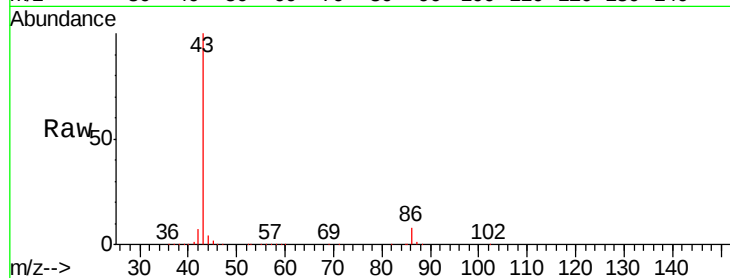
86 7.9 8.9 13.3#

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



#24

1,1-Dichloroethane

Concen: 19.47 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

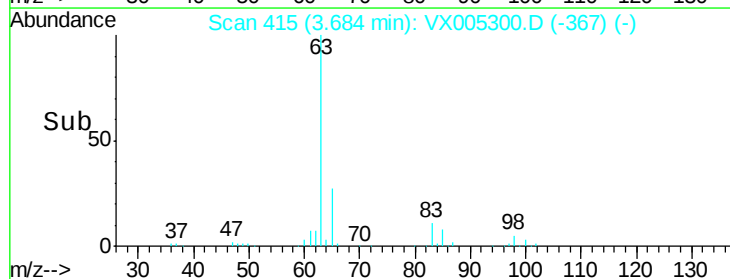
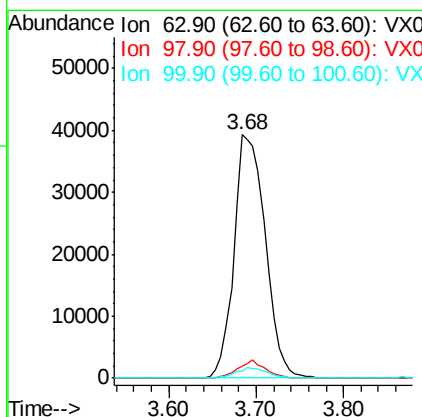
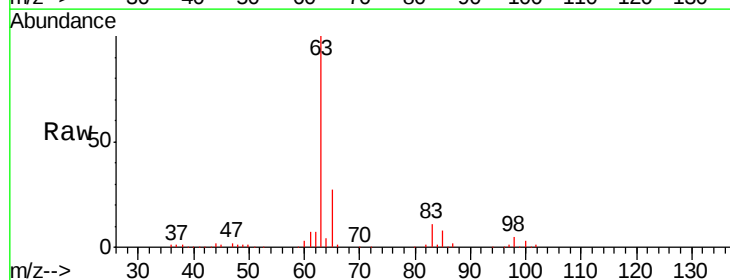
Tgt Ion: 63 Resp: 97865

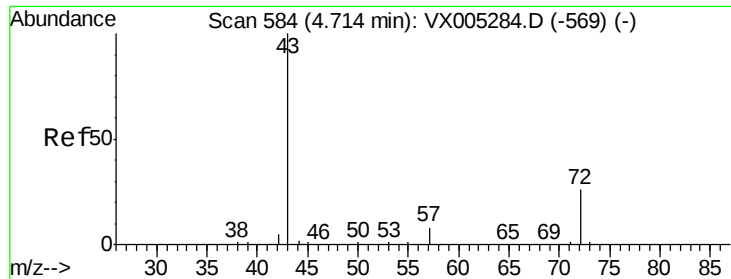
Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

100 2.8 2.4 7.1





#25

2-Butanone

Concen: 97.25 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 43 Resp: 247982

Ion Ratio Lower Upper

43 100

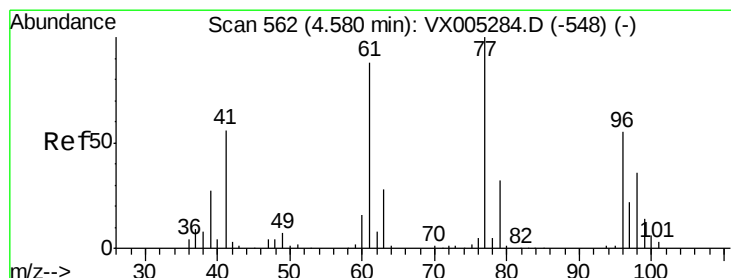
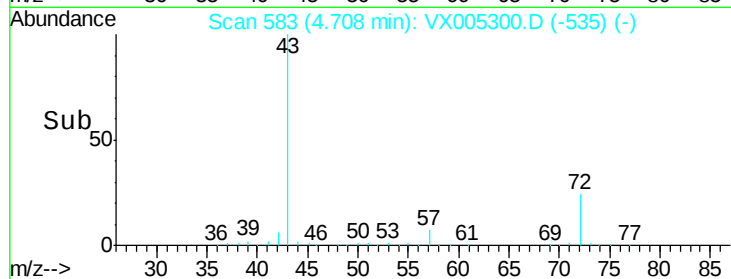
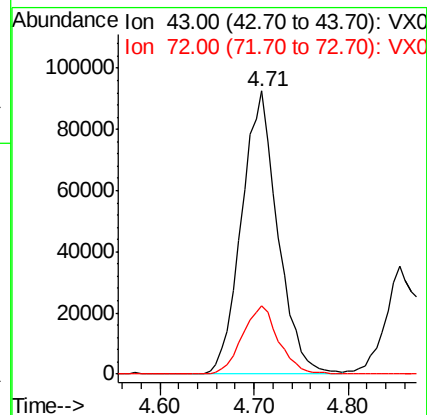
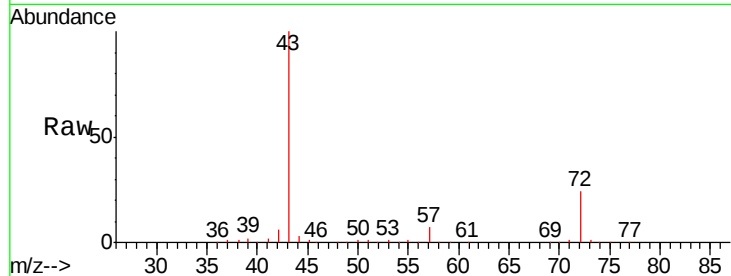
72 24.1 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



#26

2,2-Dichloropropane

Concen: 16.69 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005300.D

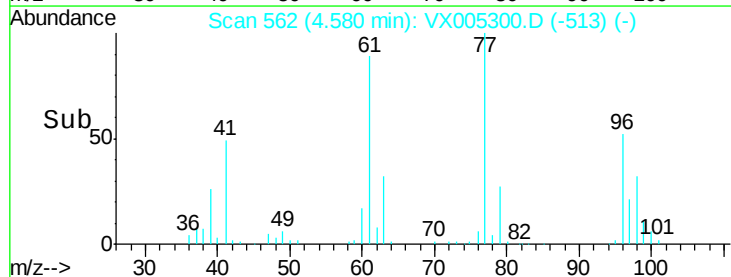
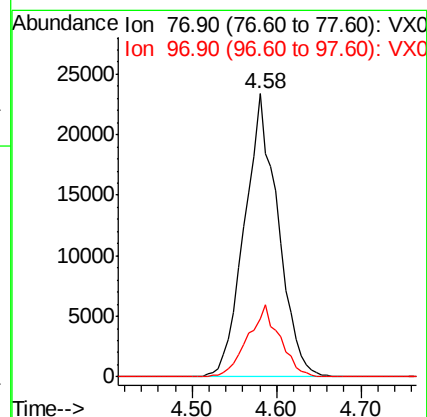
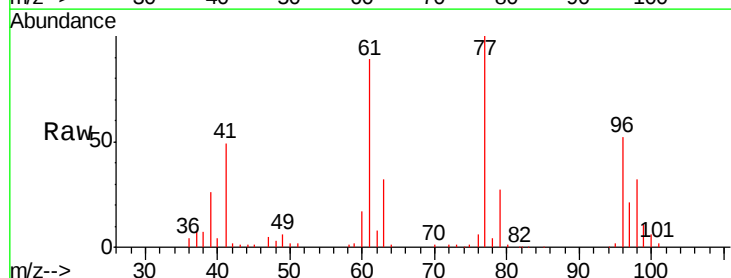
Acq: 12 Oct 2018 18:18

Tgt Ion: 77 Resp: 62742

Ion Ratio Lower Upper

77 100

97 24.6 11.7 35.0





#27

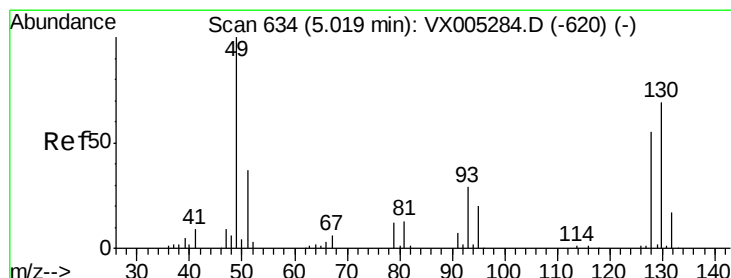
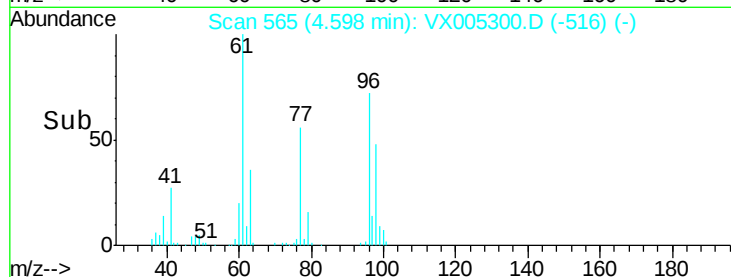
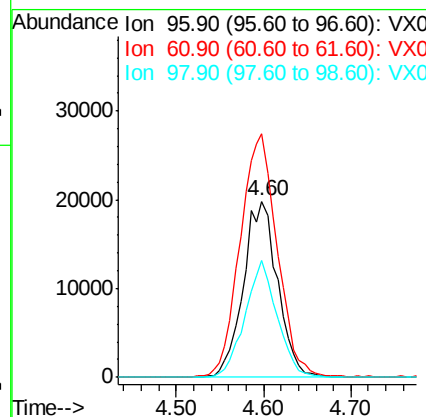
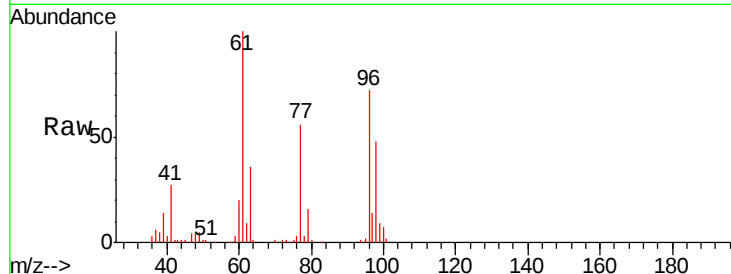
cis-1,2-Dichloroethene
Concen: 18.82 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	282.6
98	62.3	0.0	130.2

Manual Integrations
APPROVED

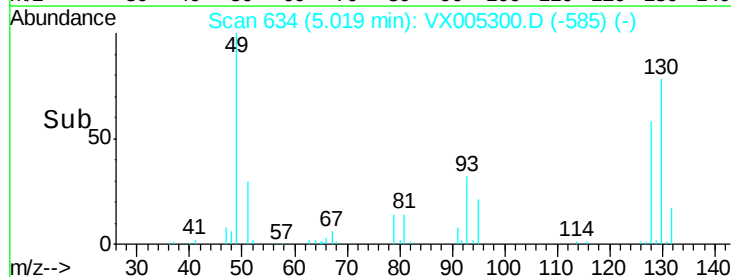
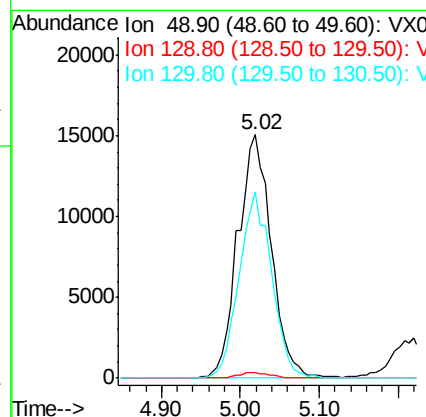
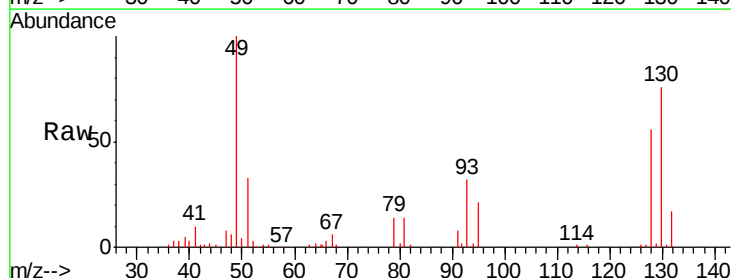
MMDadoda
10/17/2018 9:05:44 AM

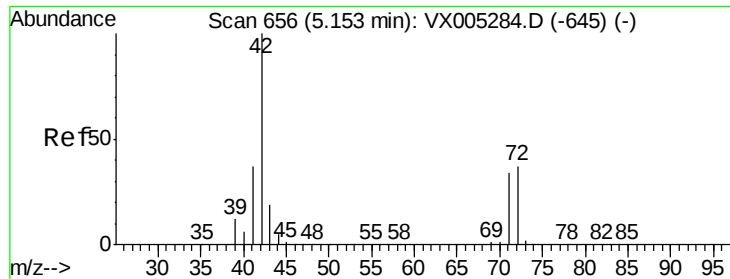


#28

Bromochloromethane
Concen: 19.37 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	74.6	67.5	101.3





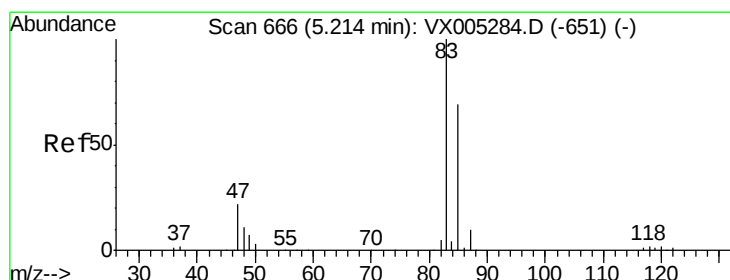
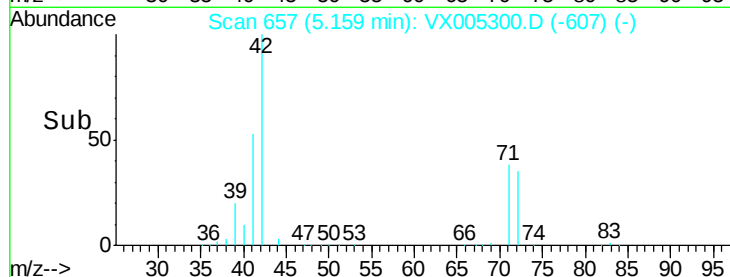
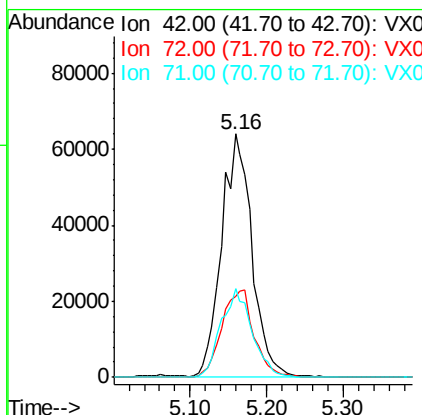
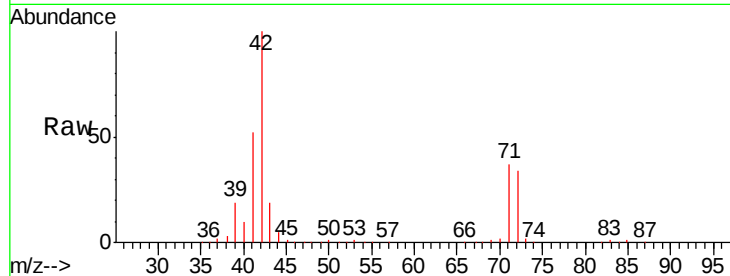
#29
Tetrahydrofuran
Concen: 107.87 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.5	37.4	56.0
71	37.4	34.5	51.7

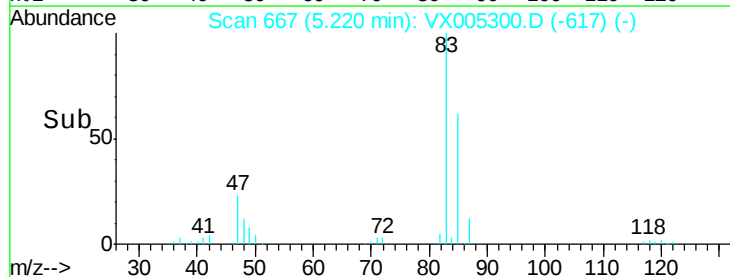
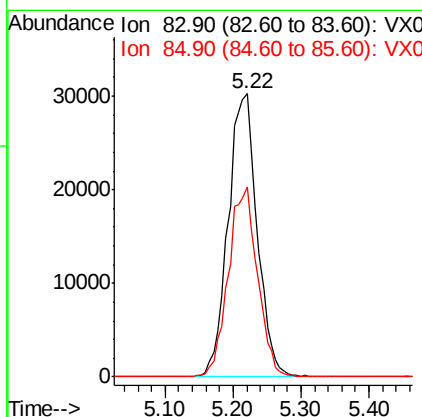
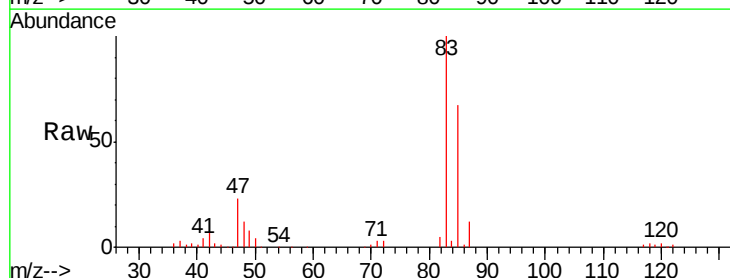
Manual Integrations
APPROVED

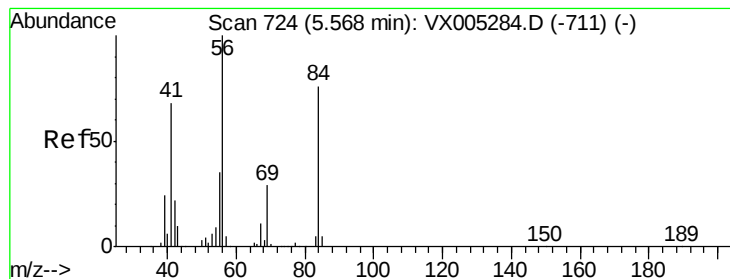
MMDadoda
10/17/2018 9:05:44 AM



#30
Chloroform
Concen: 19.22 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.6	79.0





#31

Cyclohexane

Concen: 19.39 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

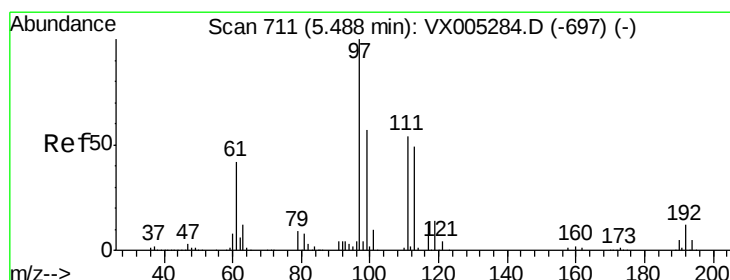
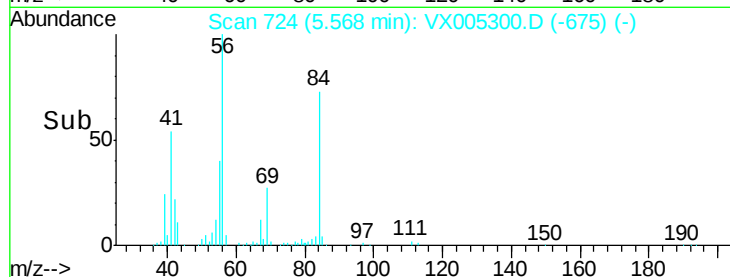
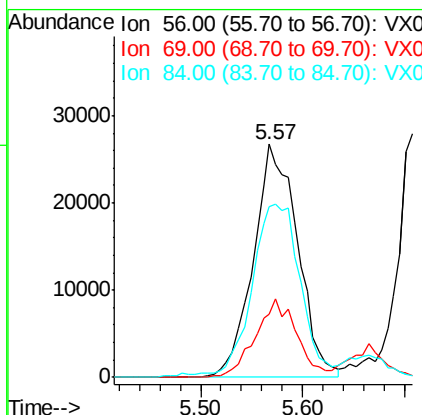
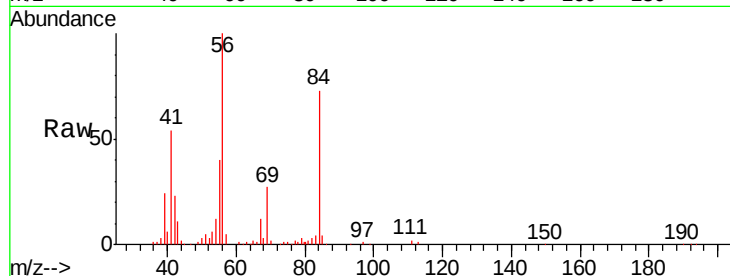
ClientSampleId :

VX1012WBSD01

Tgt Ion:	56	Resp:	80327
Ion	Ratio	Lower	Upper
56	100		
69	27.2	25.4	38.2
84	71.4	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#32

1,1,1-Trichloroethane

Concen: 20.06 ug/l

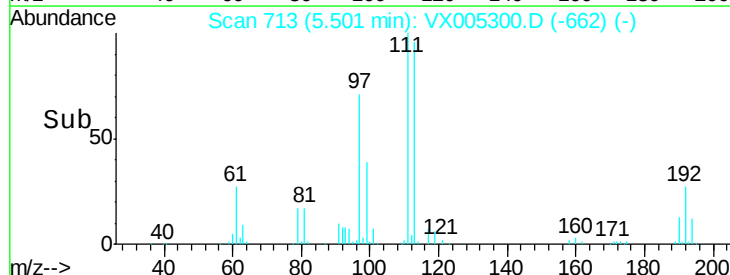
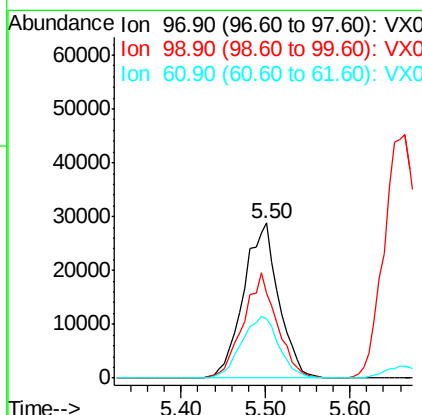
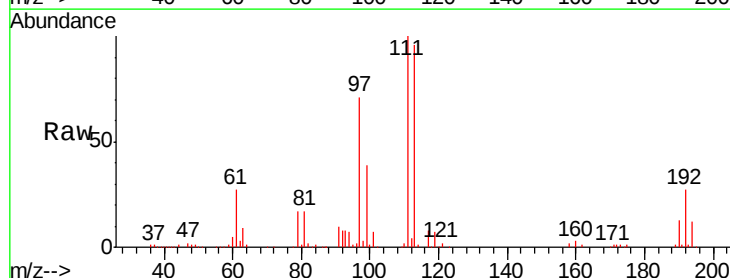
RT: 5.50 min Scan# 713

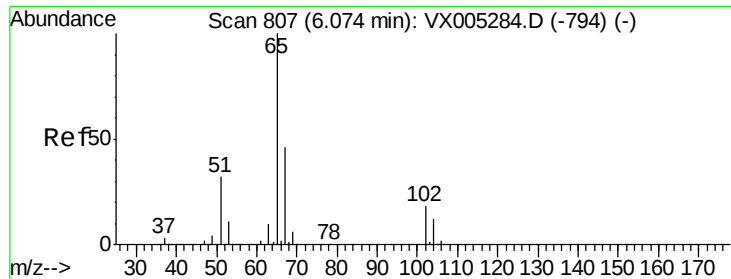
Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	97	Resp:	81434
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	42.9	34.9	52.3





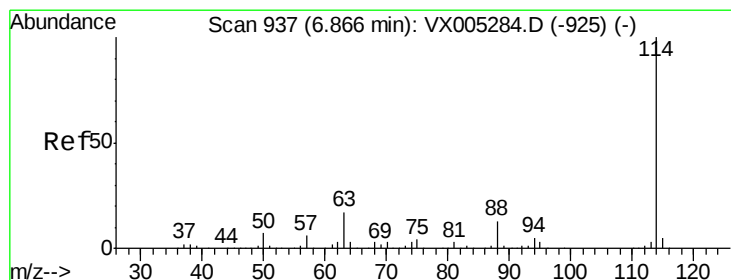
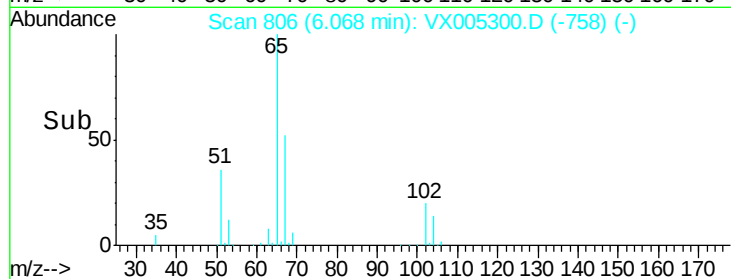
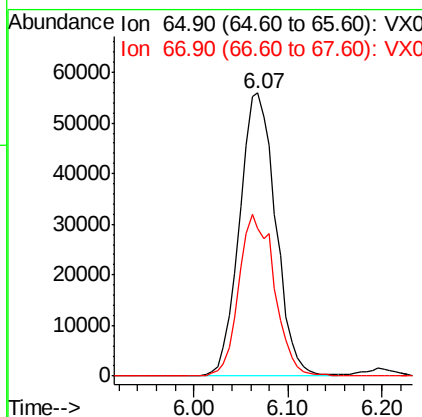
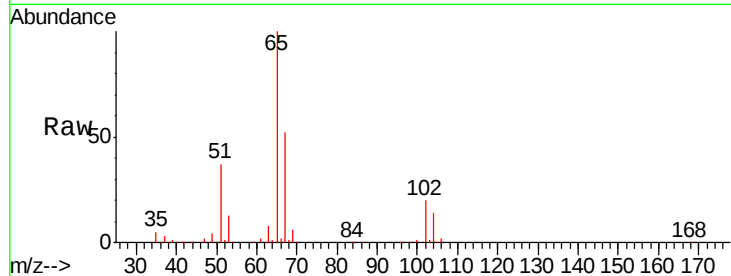
#33
 1,2-Dichloroethane-d4
 Concen: 49.89 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion: 65 Resp: 150403
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 106.8

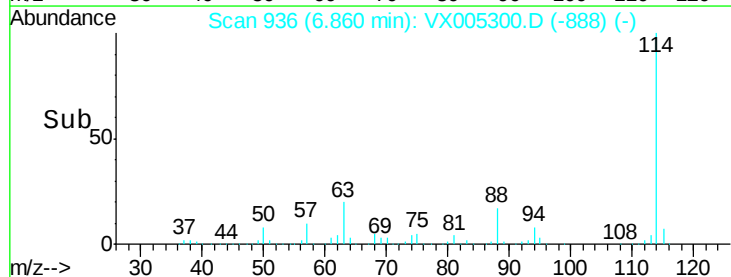
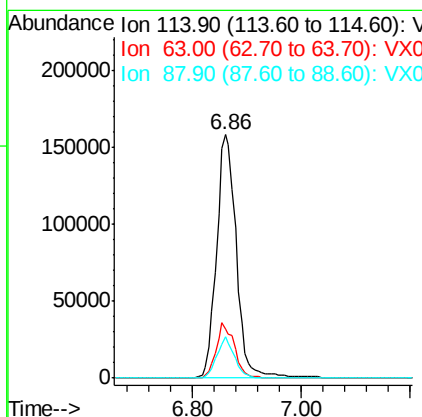
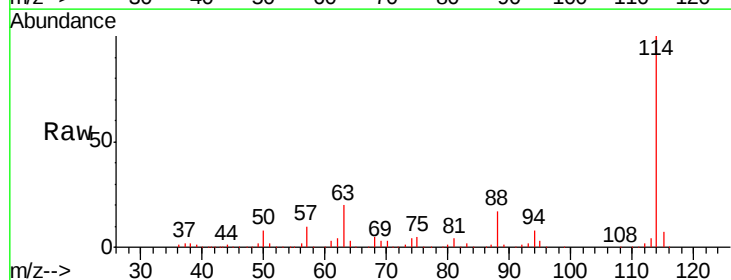
Manual Integrations
 APPROVED

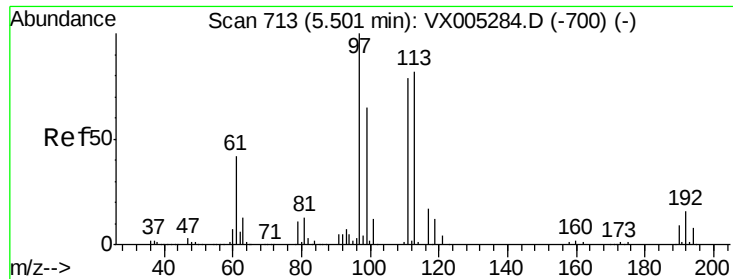
MMDadoda
 10/17/2018 9:05:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 114 Resp: 400317
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 16.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 45.21 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

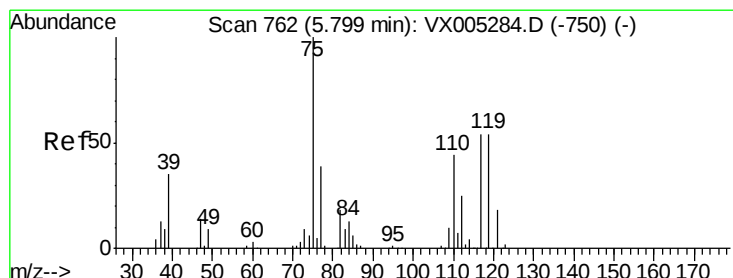
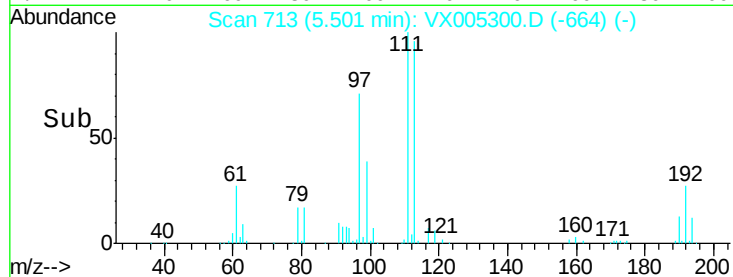
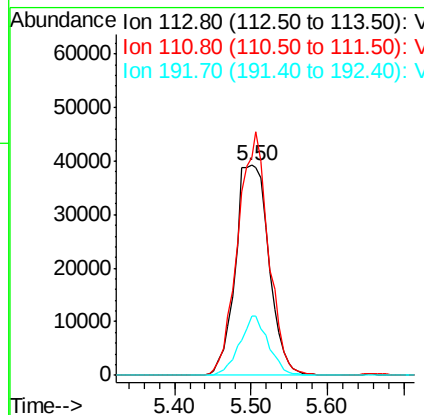
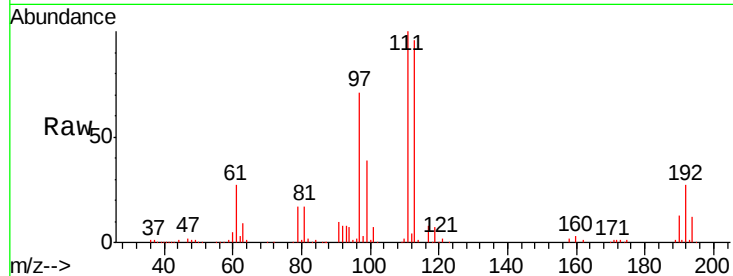
ClientSampleId :

VX1012WBSD01

Tgt Ion:	113	Resp:	119877
Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.4	123.6
192	24.2	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#36

1,1-Dichloropropene

Concen: 17.25 ug/l

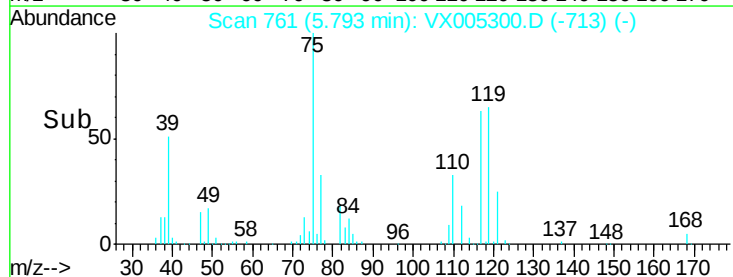
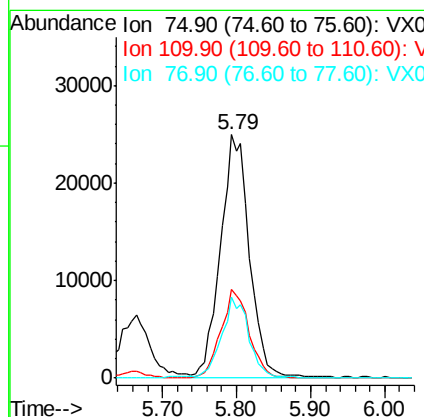
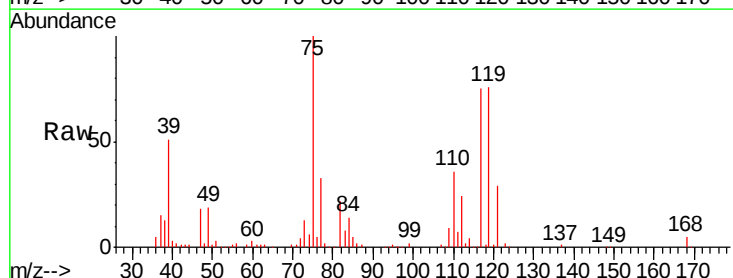
RT: 5.79 min Scan# 761

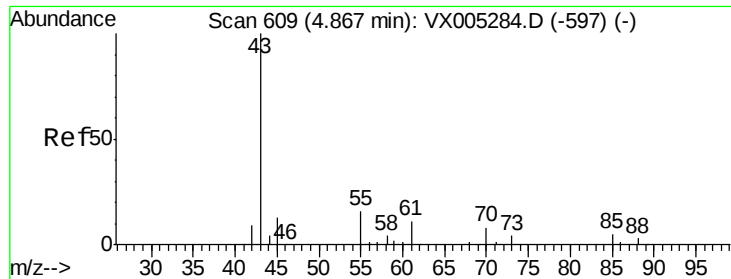
Delta R.T. -0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	75	Resp:	66884
Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.0	54.0
77	31.8	24.6	36.8





#37

Ethyl Acetate

Concen: 19.01 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

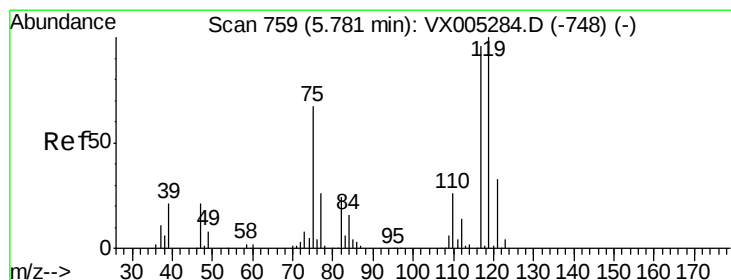
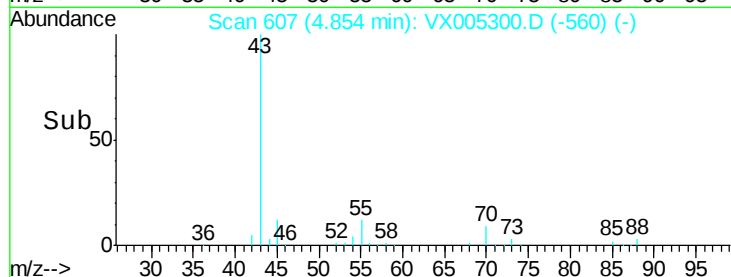
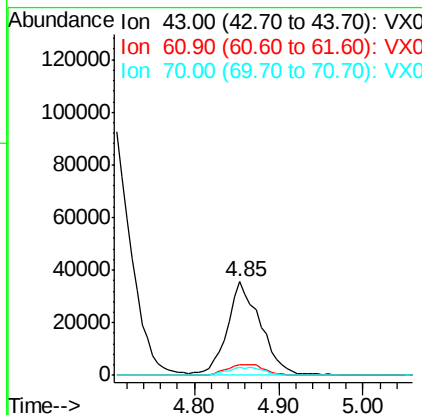
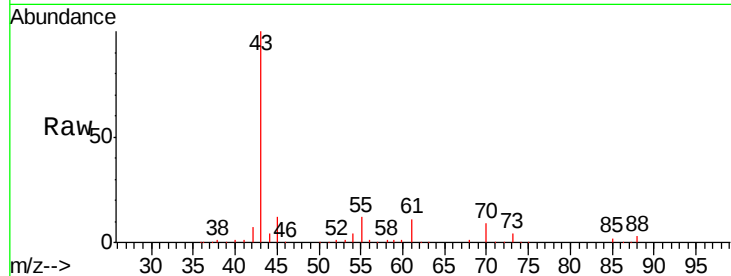
ClientSampleId :

VX1012WBSD01

Tgt Ion:	43	Resp:	94793
Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.5	17.3
70	10.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#38

Carbon Tetrachloride

Concen: 17.92 ug/l

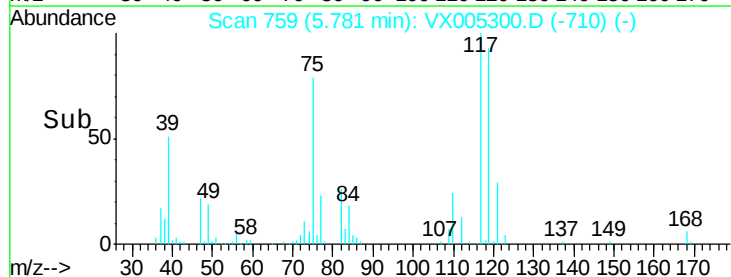
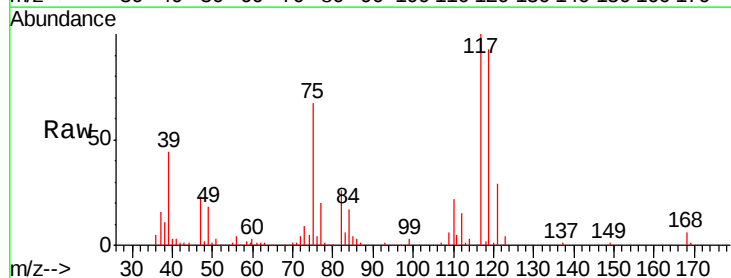
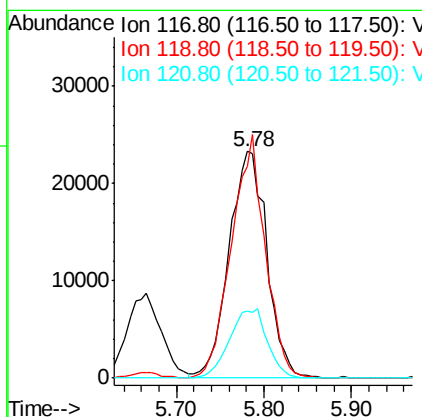
RT: 5.78 min Scan# 759

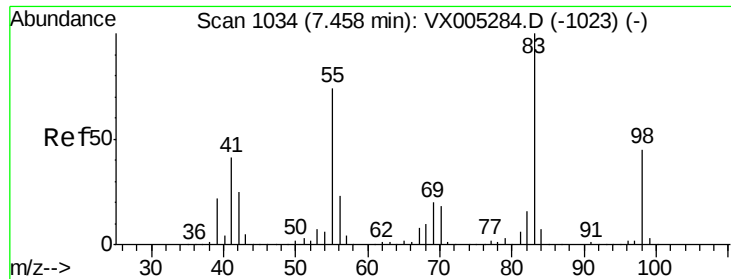
Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	117	Resp:	69801
Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.8	118.2
121	29.3	24.9	37.3





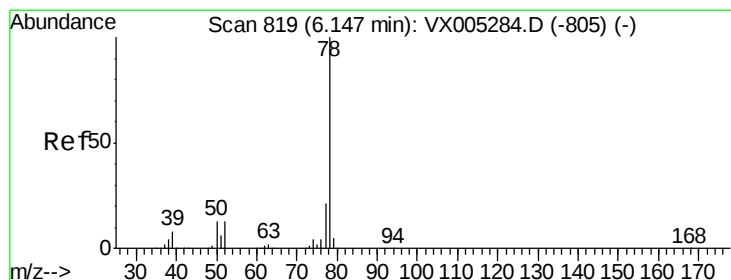
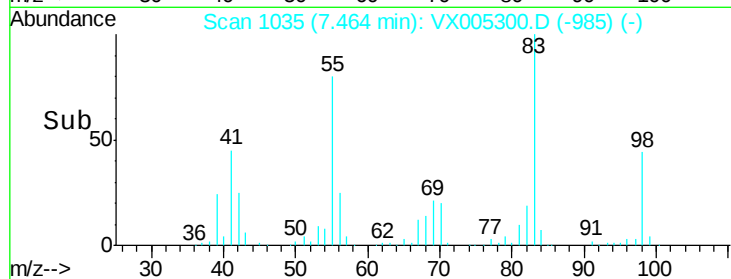
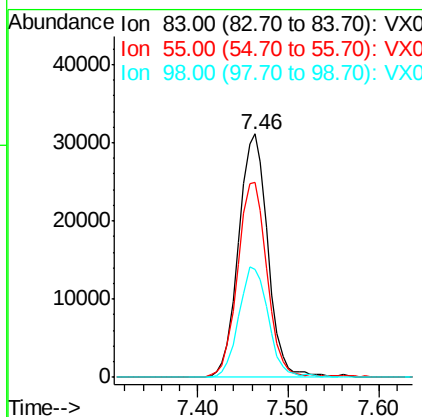
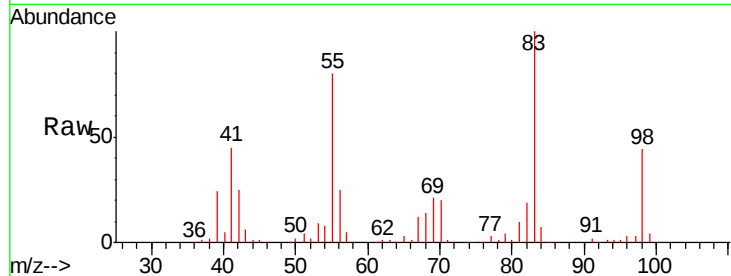
#39
Methylcyclohexane
Concen: 16.58 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.0	91.4
98	44.4	39.6	59.4

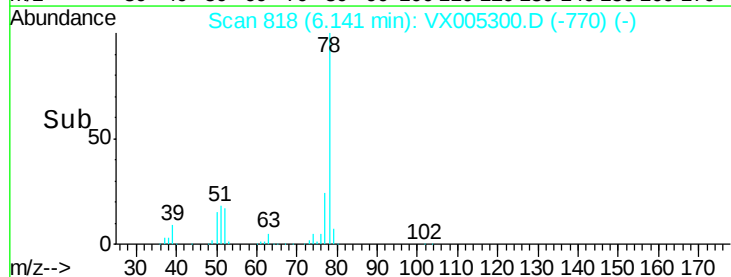
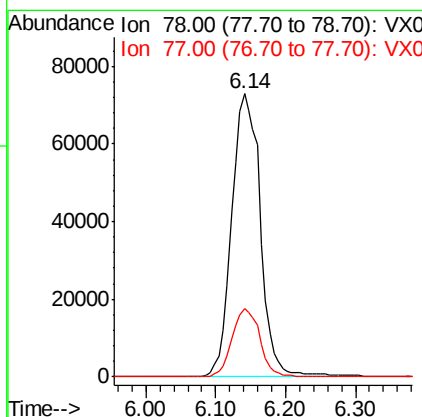
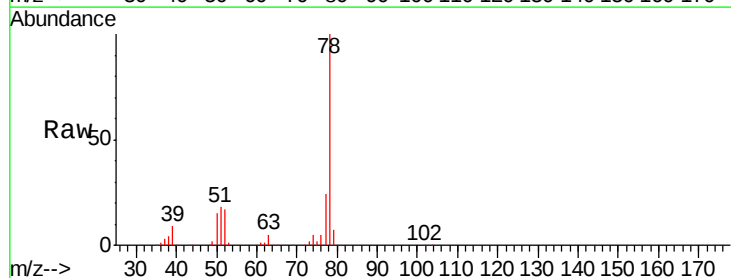
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#40
Benzene
Concen: 17.76 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





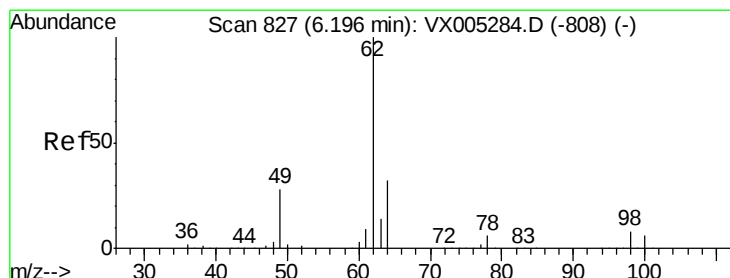
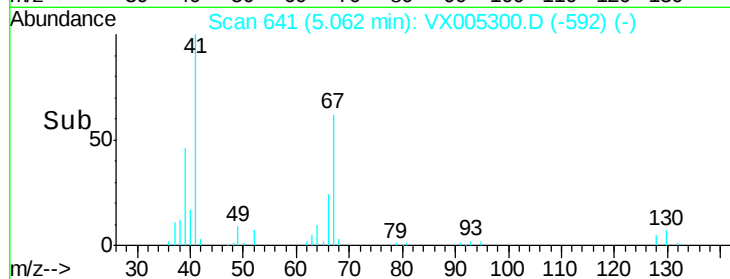
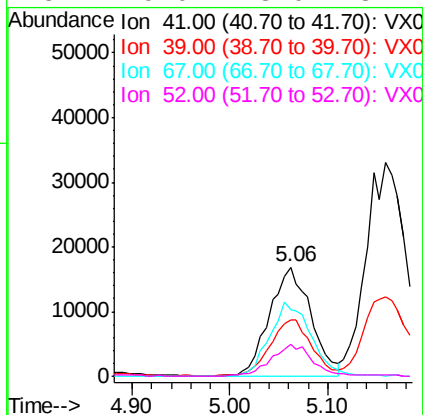
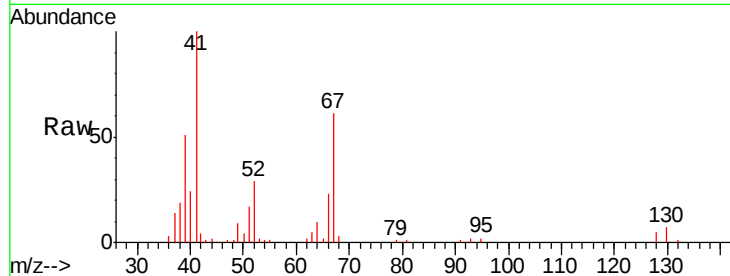
#41
Methacrylonitrile
Concen: 18.71 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.8	42.4	63.6
67	67.3	59.2	88.8
52	29.0	23.0	34.4

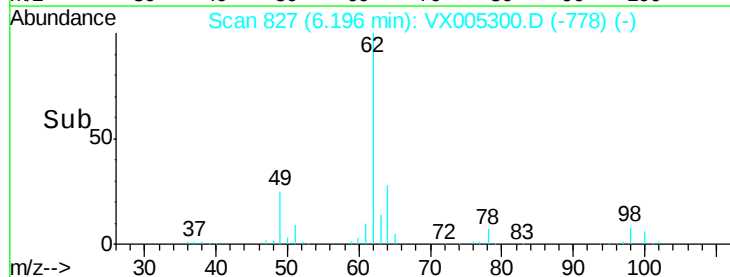
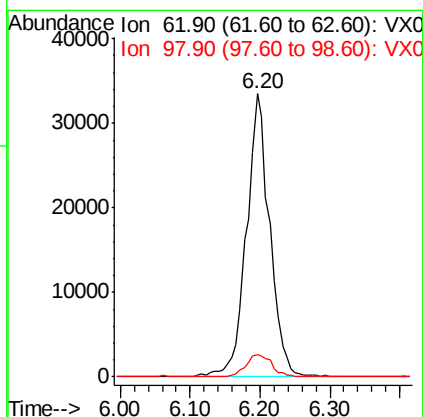
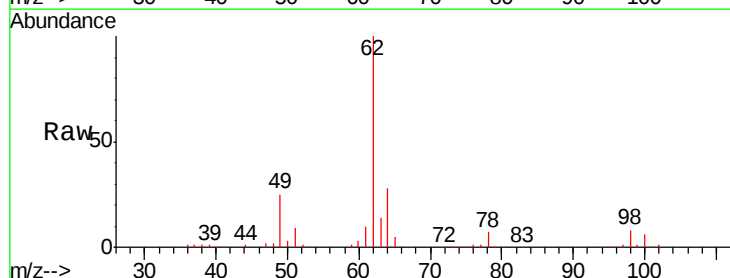
Manual Integrations
APPROVED

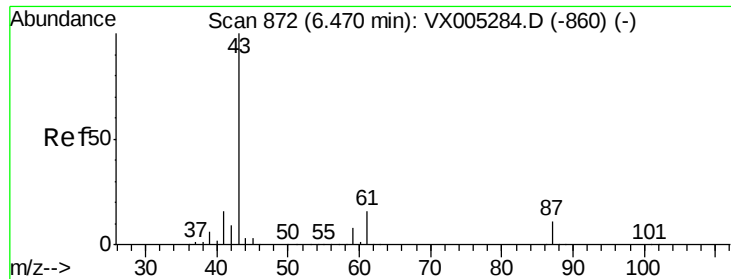
MMDadoda
10/17/2018 9:05:44 AM



#42
1,2-Dichloroethane
Concen: 18.89 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.33 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

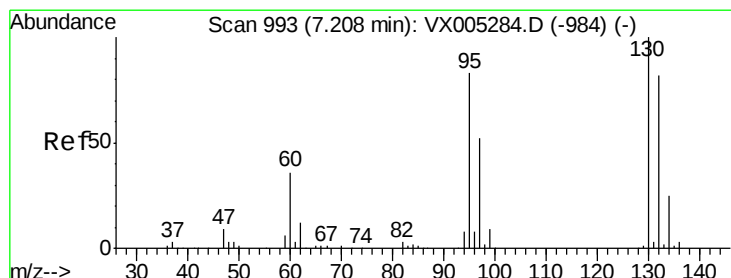
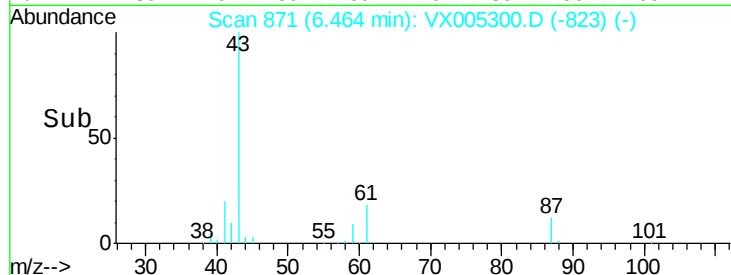
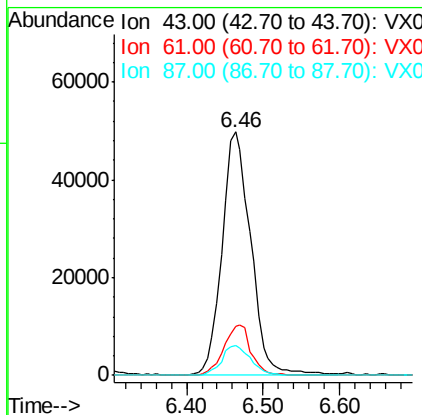
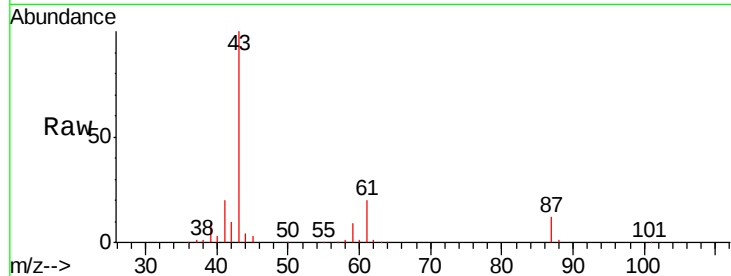
ClientSampleId :

VX1012WBSD01

Tgt Ion:	43	Resp:	128405
Ion Ratio		Lower	Upper
43	100		
61	19.6	17.0	25.4
87	12.5	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#44

Trichloroethene

Concen: 20.18 ug/l

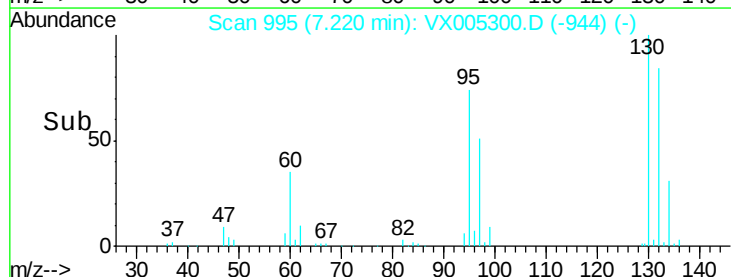
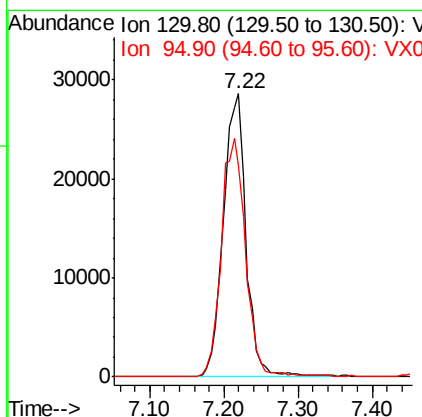
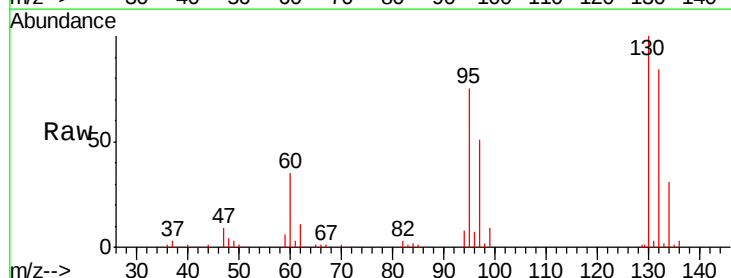
RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	130	Resp:	61027
Ion Ratio		Lower	Upper
130	100		
95	74.8	0.0	181.6





#45

1,2-Dichloropropane

Concen: 18.85 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 63 Resp: 53776

Ion Ratio Lower Upper

63 100

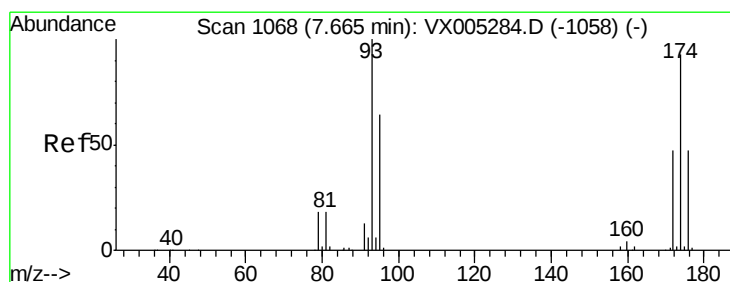
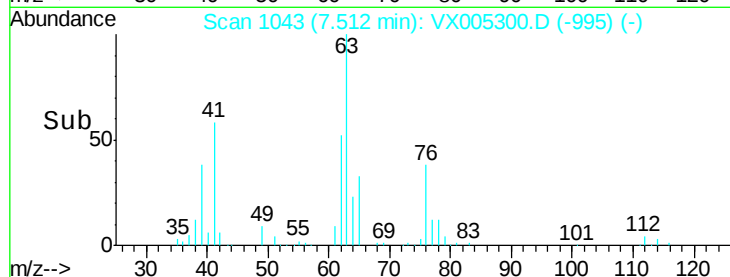
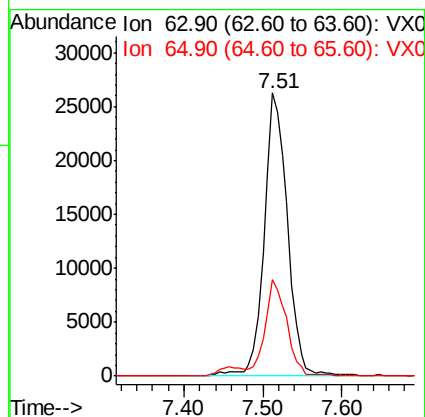
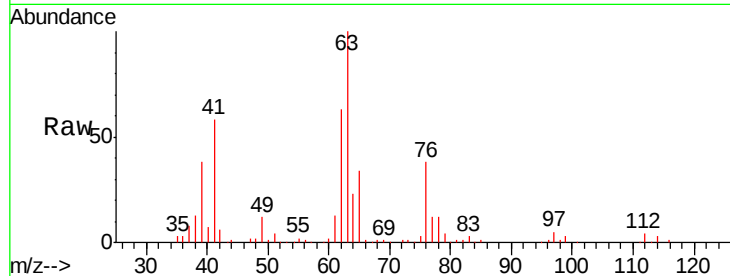
65 34.0 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



#46

Dibromomethane

Concen: 17.95 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

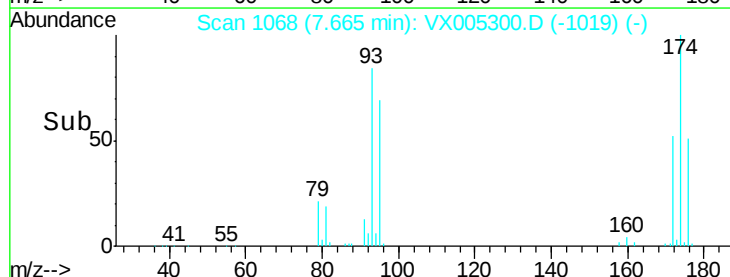
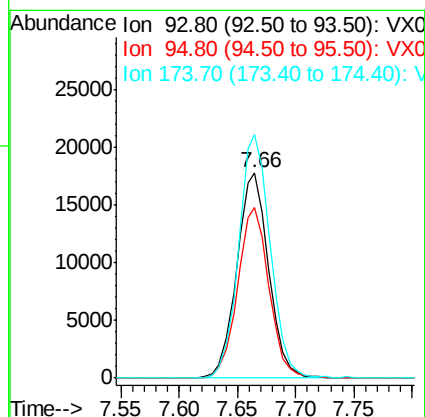
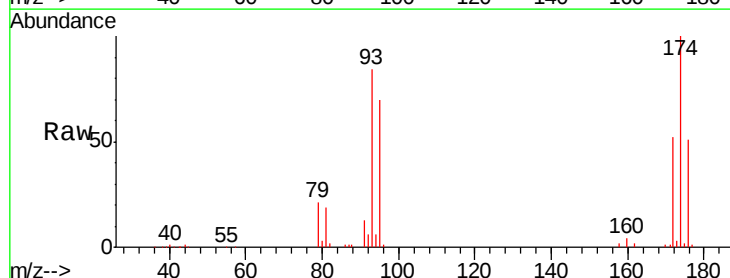
Tgt Ion: 93 Resp: 33793

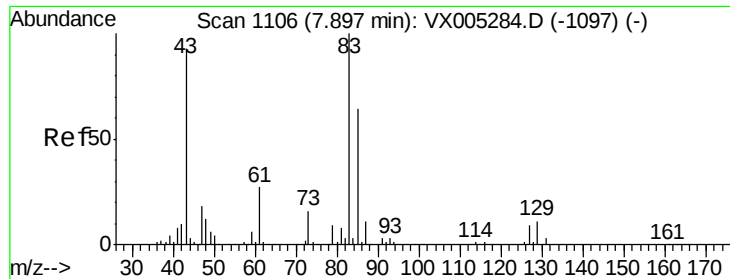
Ion Ratio Lower Upper

93 100

95 81.8 65.5 98.3

174 117.9 94.2 141.4





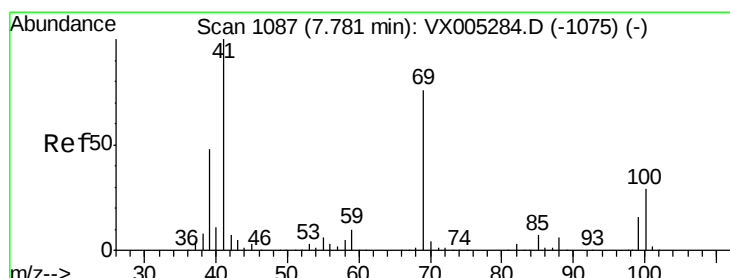
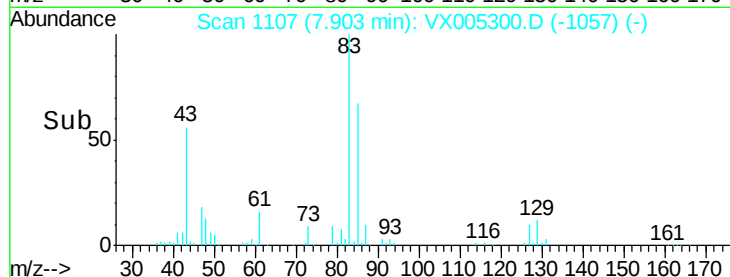
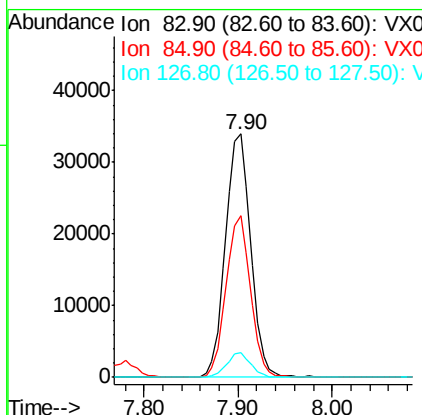
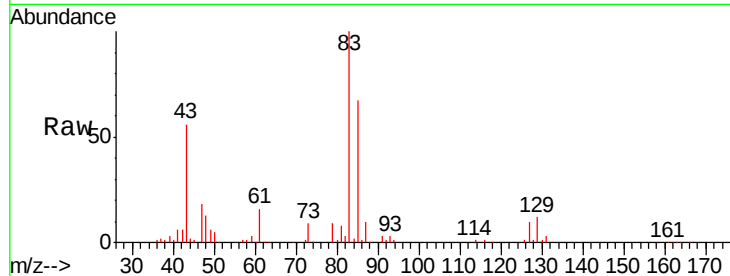
#47
Bromodichloromethane
Concen: 18.17 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.9	76.3
127	10.4	7.3	10.9

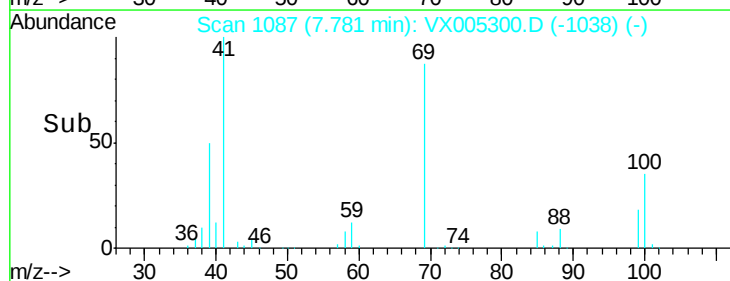
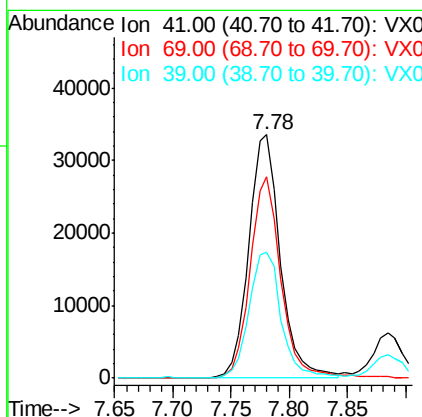
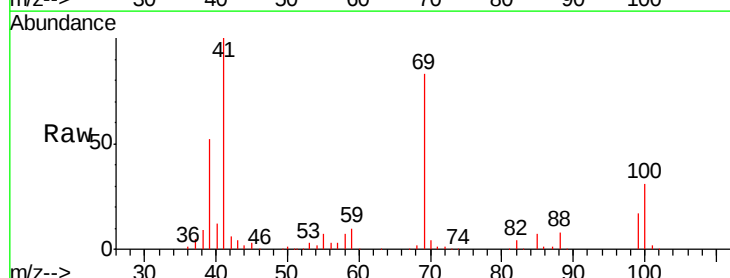
Manual Integrations
APPROVED

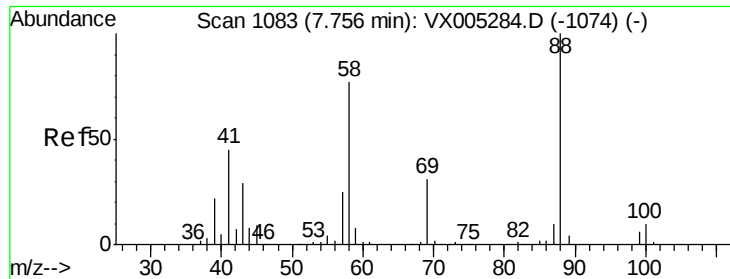
MMDadoda
10/17/2018 9:05:44 AM



#48
Methyl methacrylate
Concen: 18.37 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.9	70.2	105.4
39	53.6	42.7	64.1





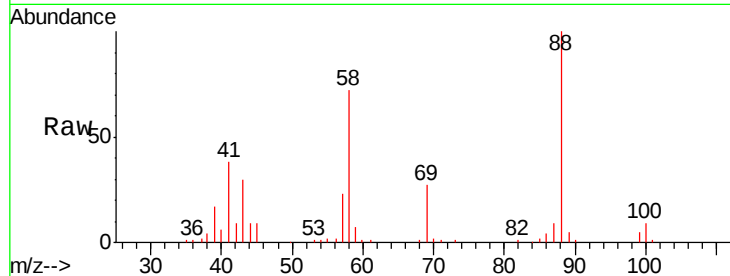
#49
1,4-Dioxane
Concen: 381.32 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

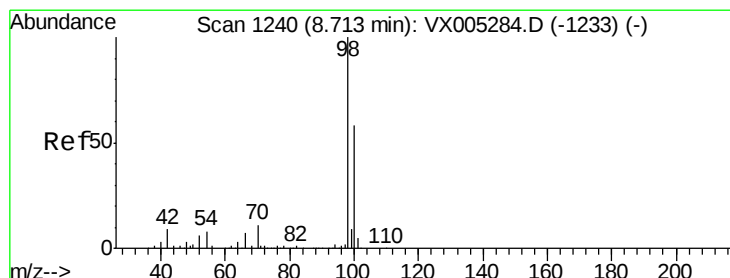
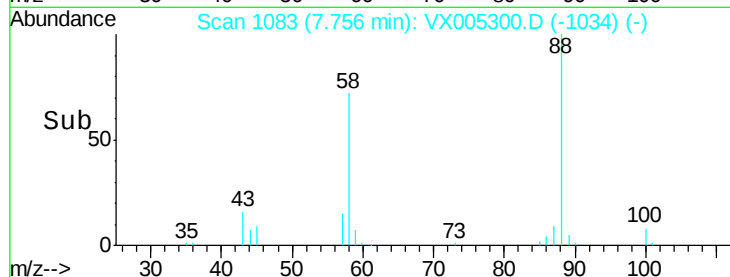
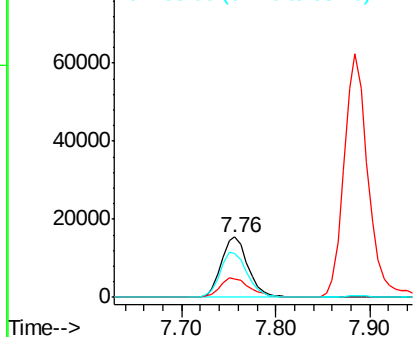
Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.3	24.7	37.1
58	77.3	55.3	82.9

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM

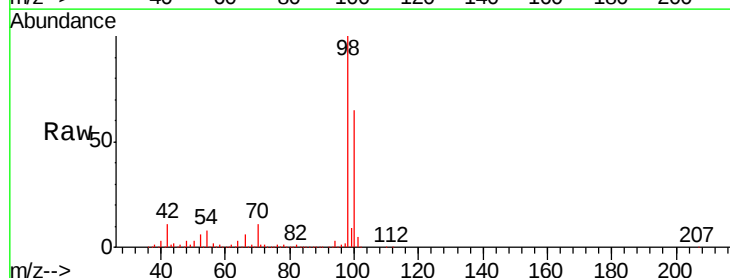


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

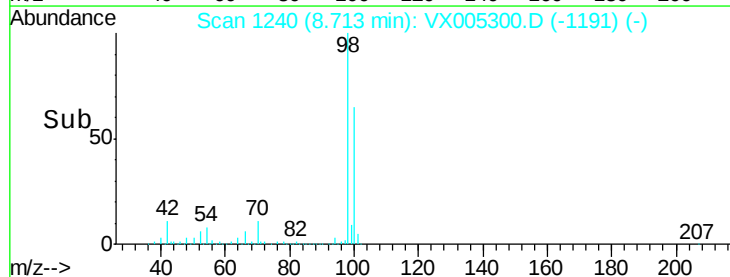
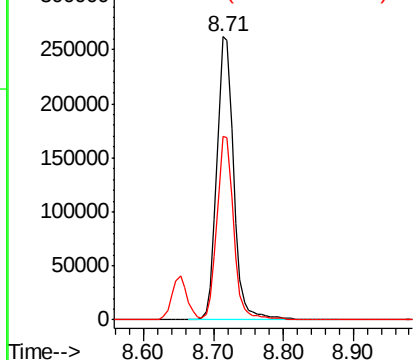


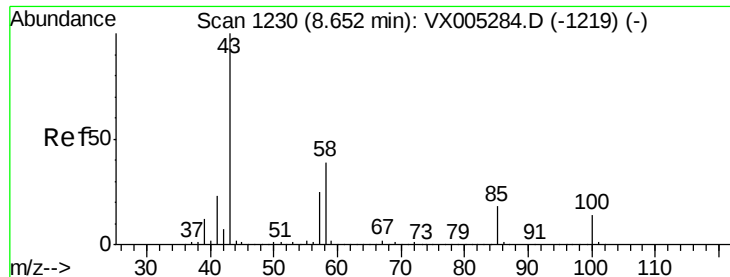
#50
Toluene-d8
Concen: 48.43 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





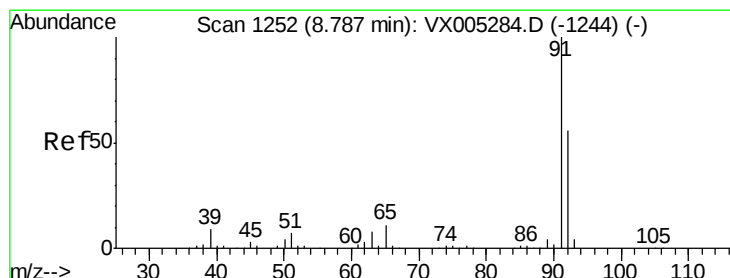
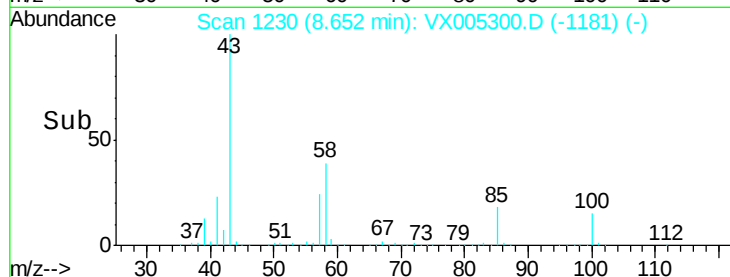
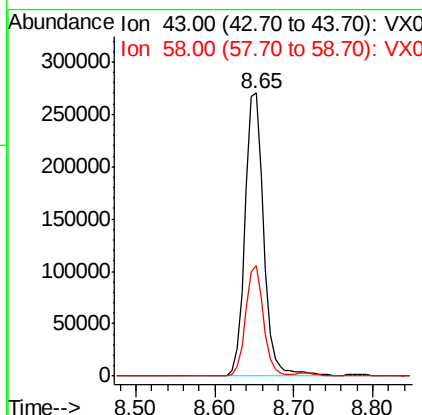
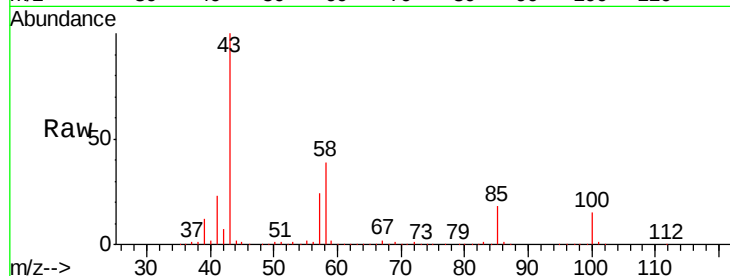
#51
4-Methyl-2-Pentanone
Concen: 96.73 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 43 Resp: 444836
Ion Ratio Lower Upper
43 100
58 37.2 33.1 49.7

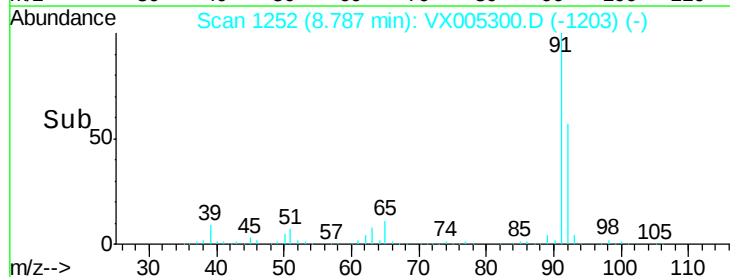
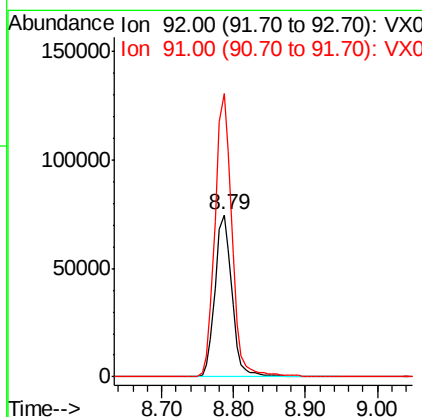
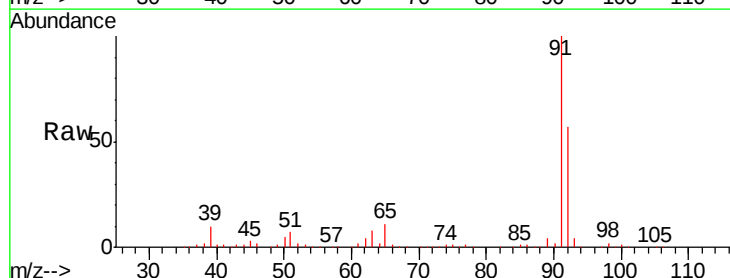
Manual Integrations
APPROVED

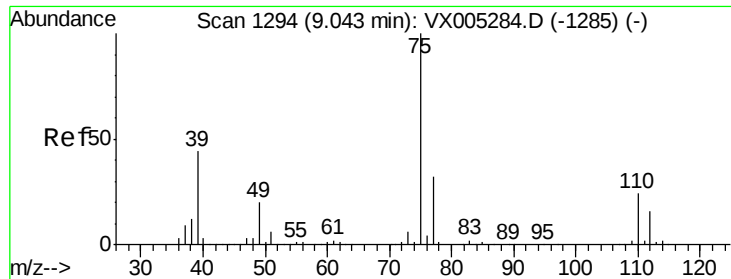
MMDadoda
10/17/2018 9:05:44 AM



#52
Toluene
Concen: 19.24 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 92 Resp: 122439
Ion Ratio Lower Upper
92 100
91 174.8 136.4 204.6





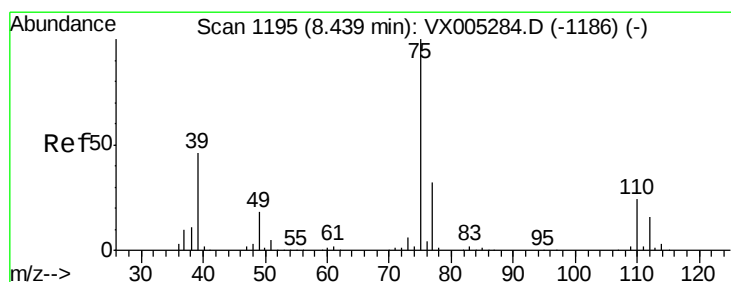
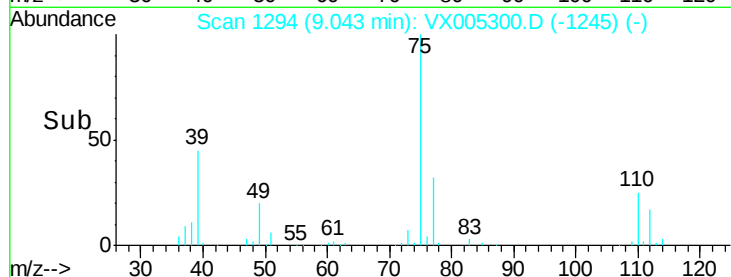
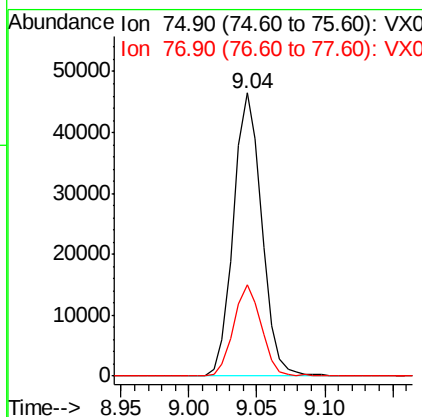
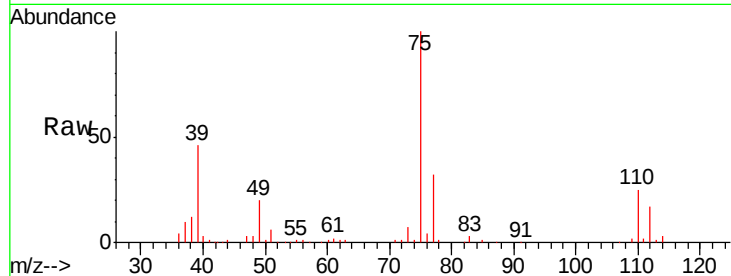
#53
t-1,3-Dichloropropene
Concen: 17.92 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 75 Resp: 67544
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0

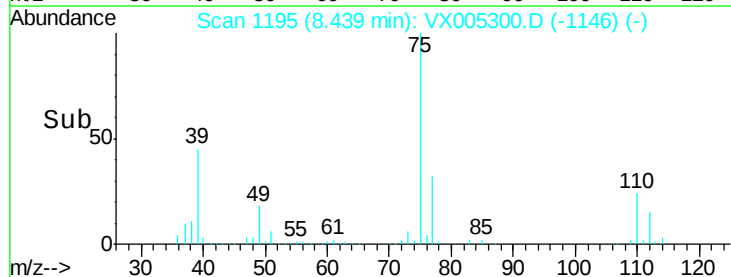
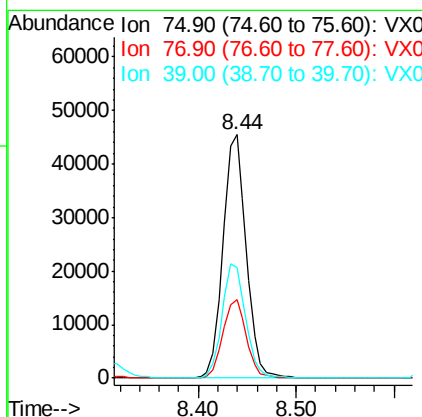
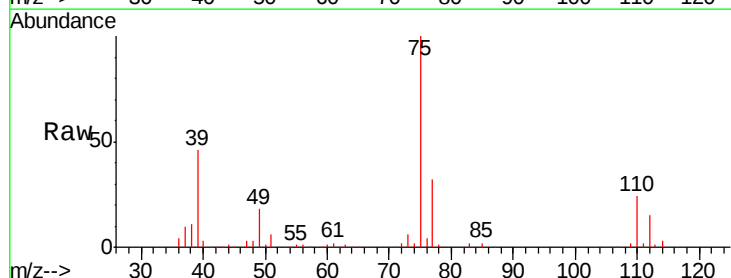
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#54
cis-1,3-Dichloropropene
Concen: 18.33 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 75 Resp: 74850
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
39 45.3 36.4 54.6





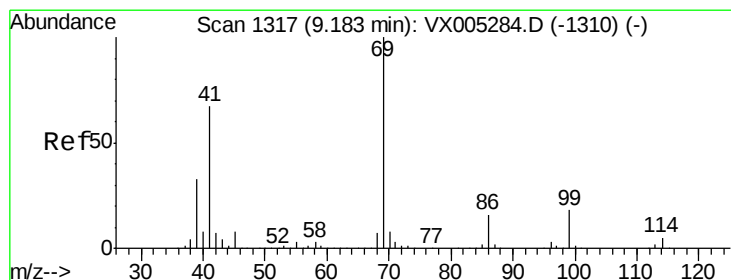
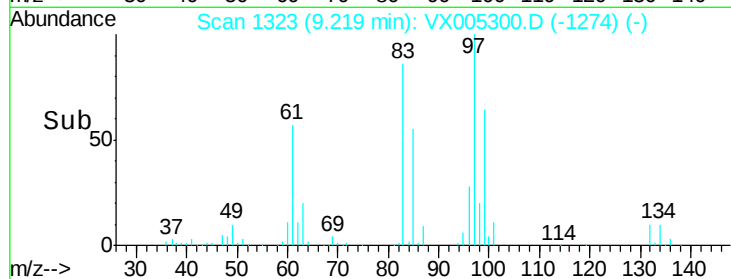
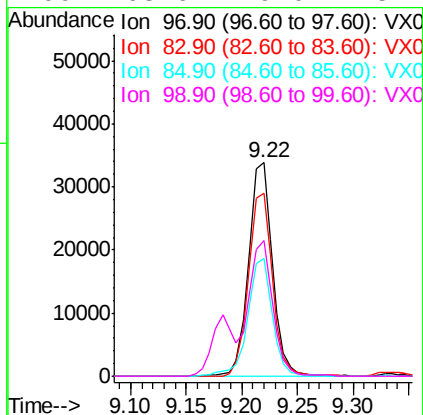
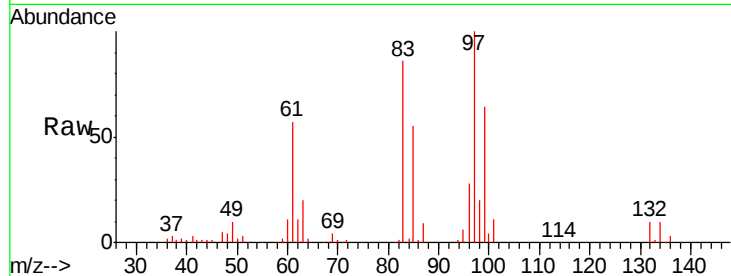
#55
 1,1,2-Trichloroethane
 Concen: 18.75 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		50538		
83	85.8	66.4	99.6		
85	55.4	43.3	64.9		
99	63.6	49.0	73.4		

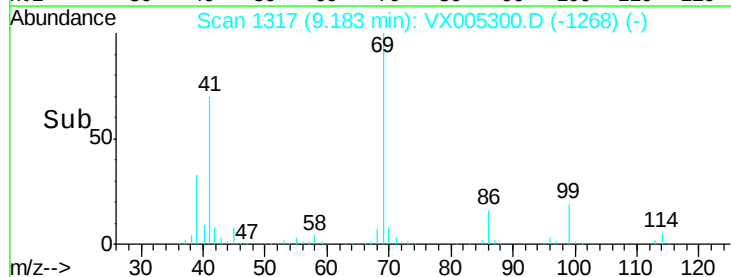
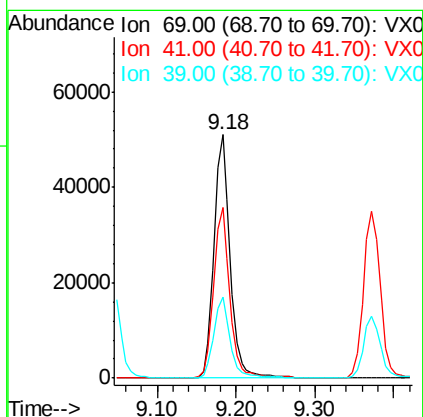
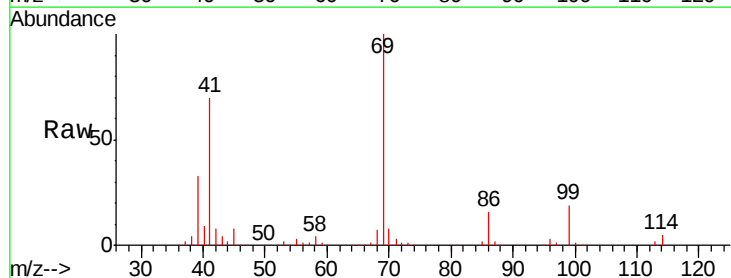
Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:44 AM



#56
 Ethyl methacrylate
 Concen: 18.63 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73189		
41	69.3	51.0	76.4		
39	33.7	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 18.39 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 76 Resp: 82743

Ion Ratio Lower Upper

76 100

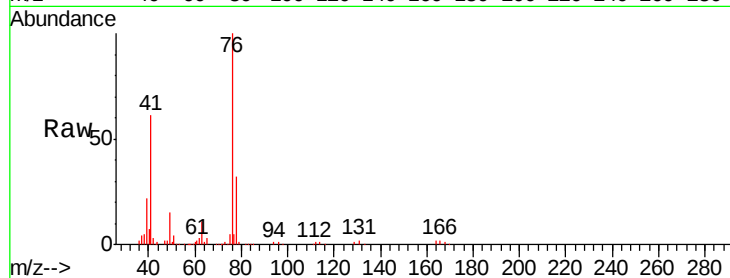
78 32.2 25.5 38.3

Manual Integrations

APPROVED

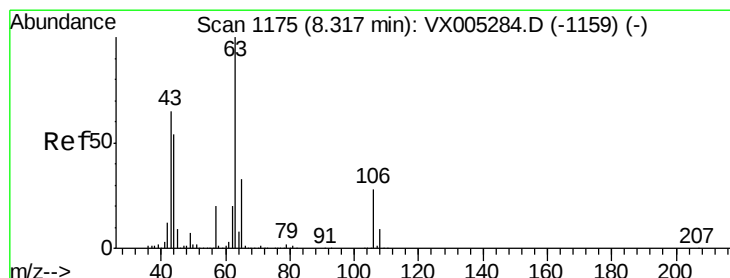
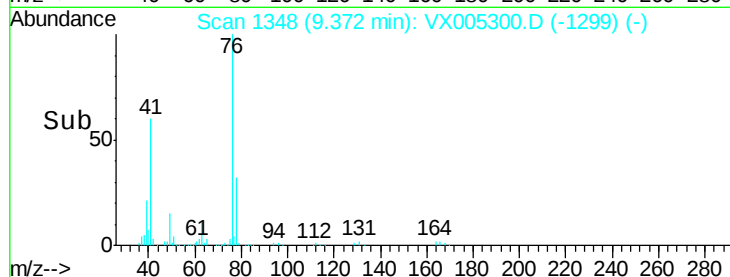
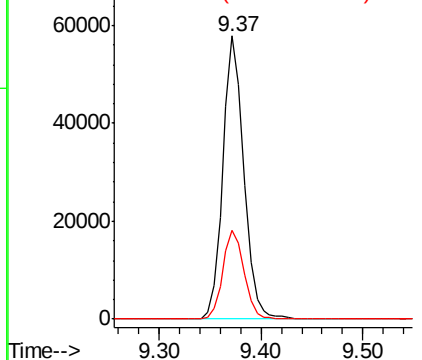
MMDadoda

10/17/2018 9:05:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.88 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005300.D

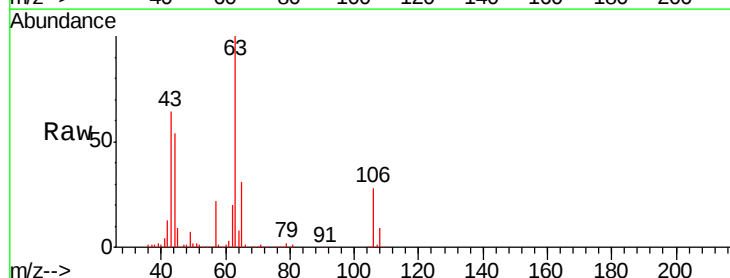
Acq: 12 Oct 2018 18:18

Tgt Ion: 63 Resp: 211268

Ion Ratio Lower Upper

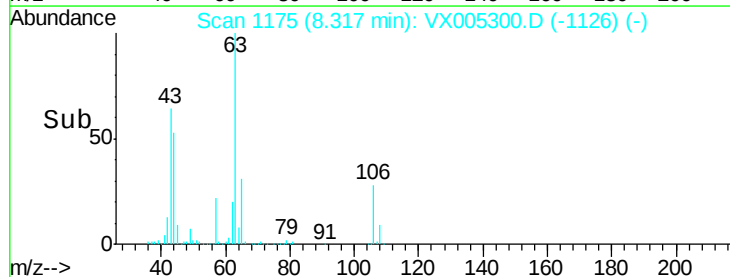
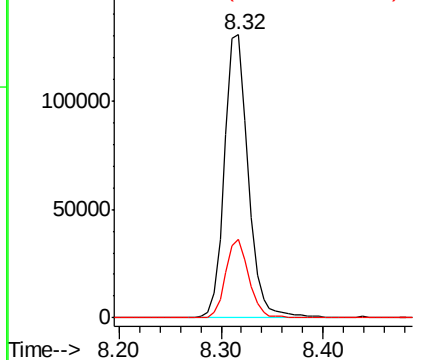
63 100

106 27.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





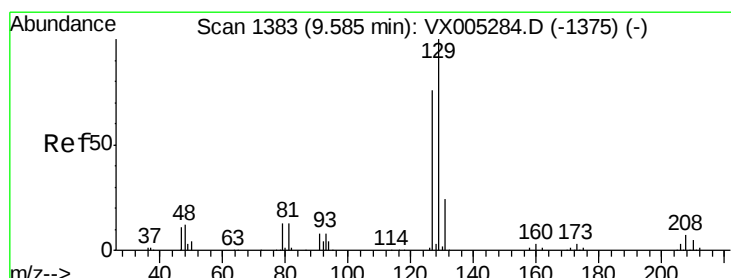
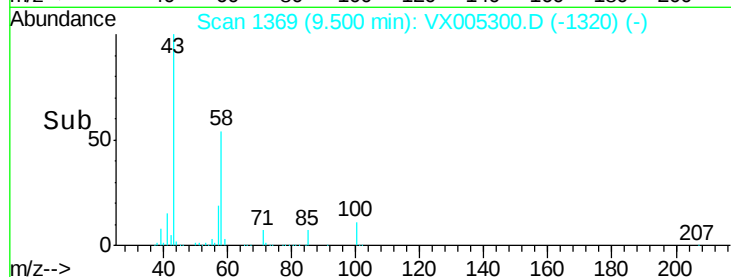
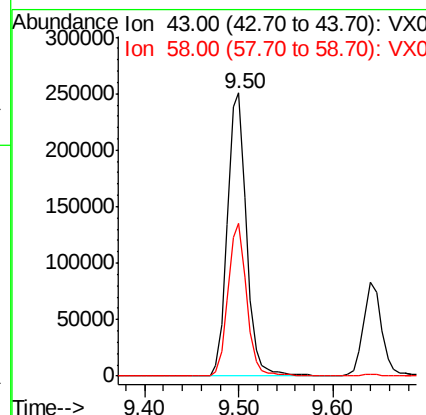
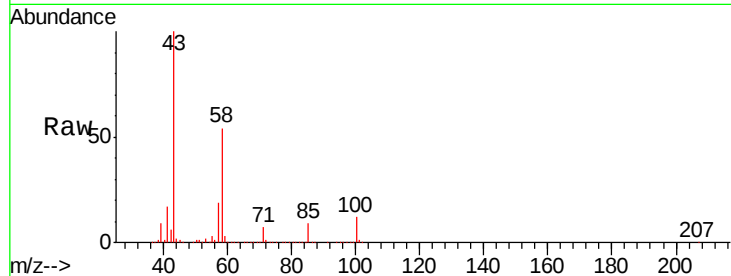
#59
2-Hexanone
Concen: 95.19 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 43 Resp: 352128
Ion Ratio Lower Upper
43 100
58 52.8 29.0 87.0

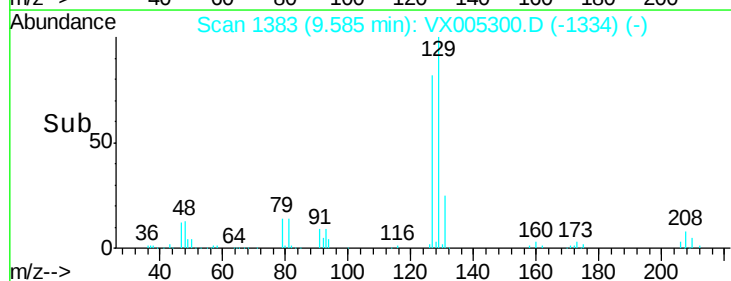
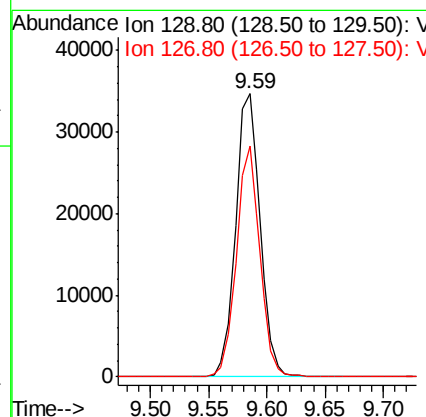
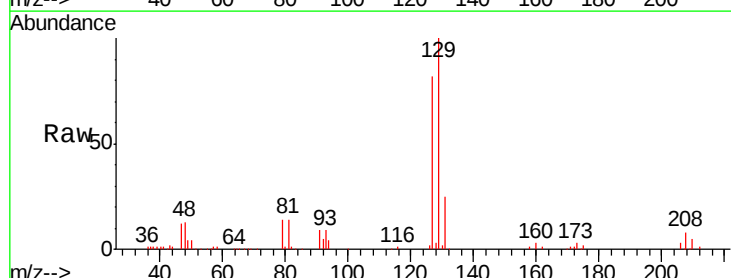
Manual Integrations
APPROVED

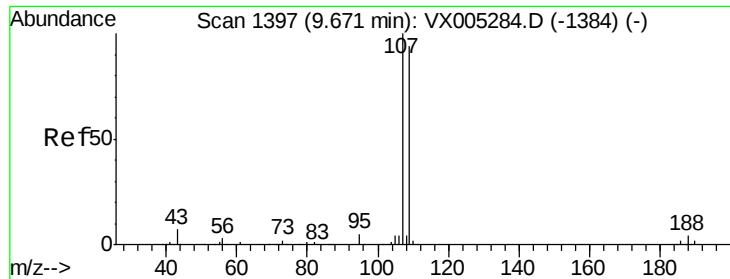
MMDadoda
10/17/2018 9:05:44 AM



#60
Dibromochloromethane
Concen: 18.23 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 129 Resp: 50775
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





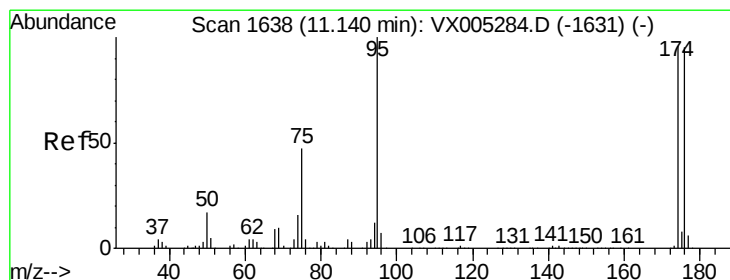
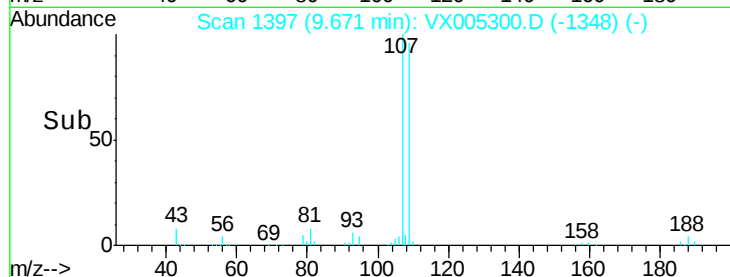
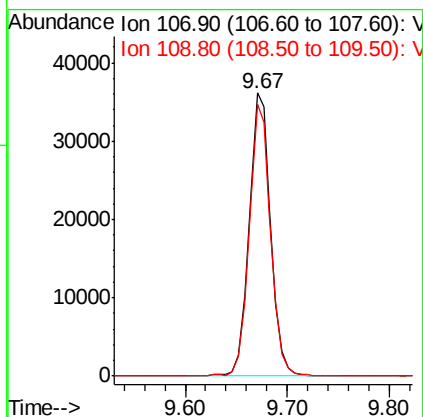
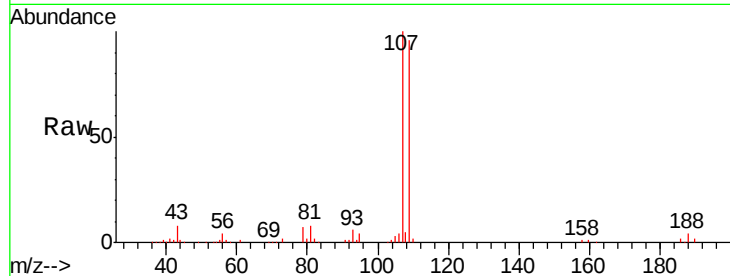
#61
 1,2-Dibromoethane
 Concen: 18.74 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion: 107 Resp: 53009
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.0 114.0

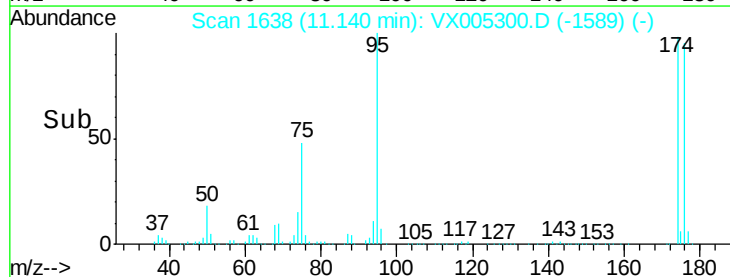
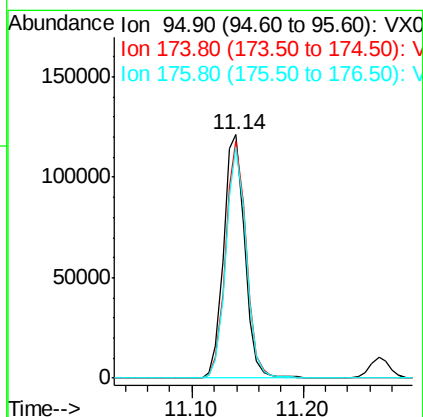
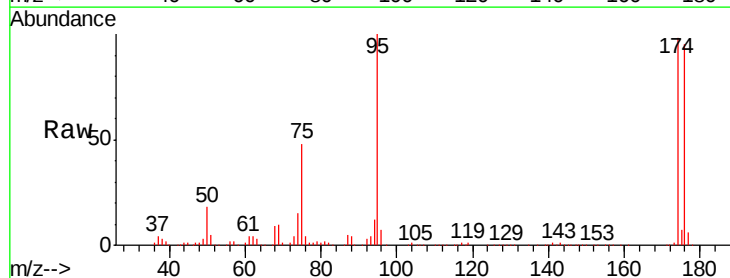
Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:44 AM



#62
 4-Bromofluorobenzene
 Concen: 46.67 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 95 Resp: 159599
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 185.2
 176 91.3 0.0 178.6





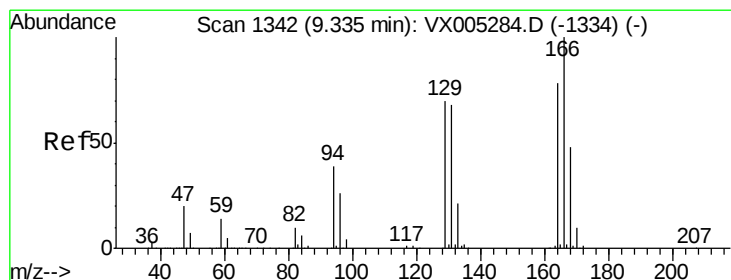
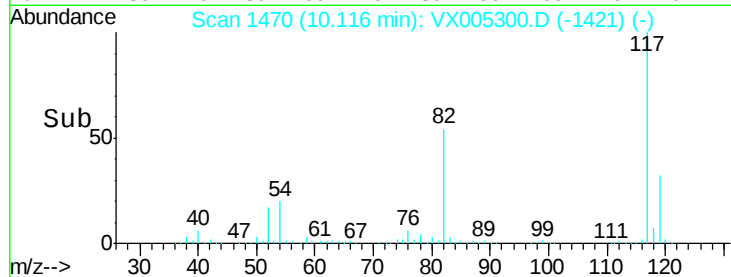
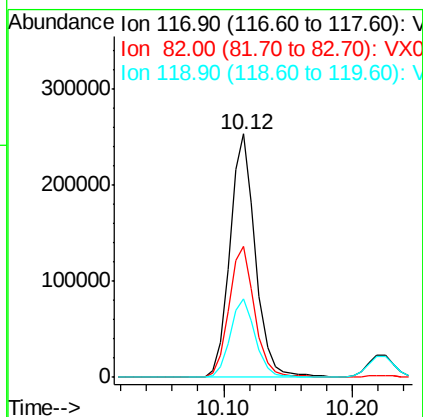
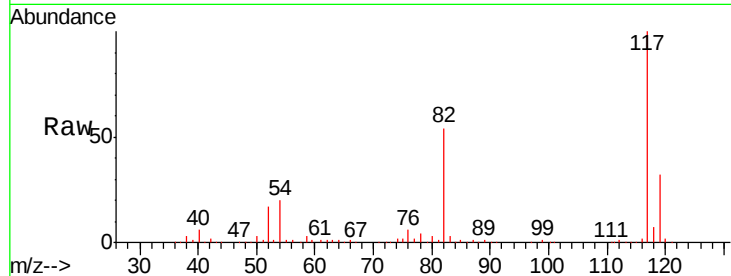
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	47.8	71.6
119	32.2	29.3	43.9

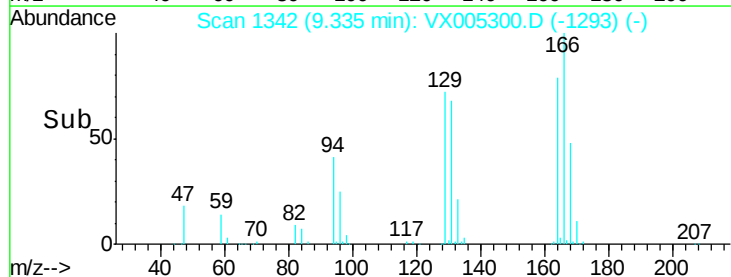
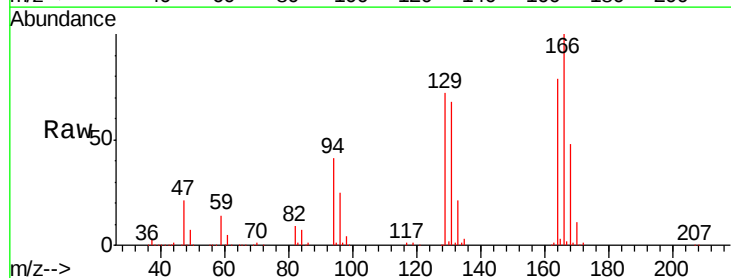
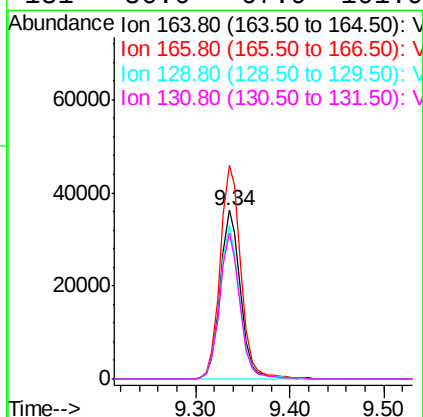
Manual Integrations
APPROVED

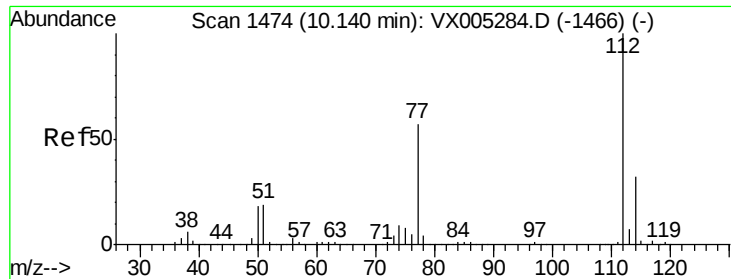
MMDadoda
10/17/2018 9:05:44 AM



#64
Tetrachloroethene
Concen: 19.46 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.8	154.2
129	90.7	69.4	104.0
131	86.0	67.9	101.9





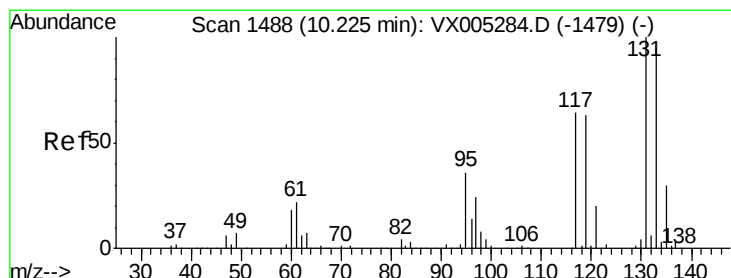
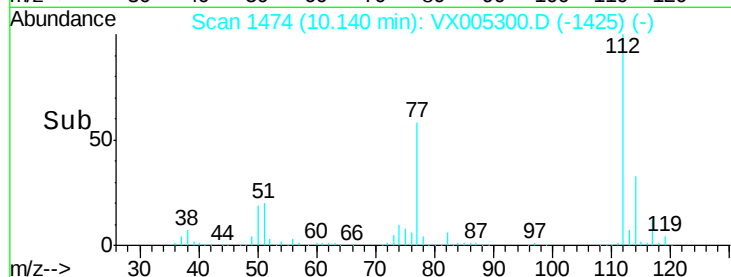
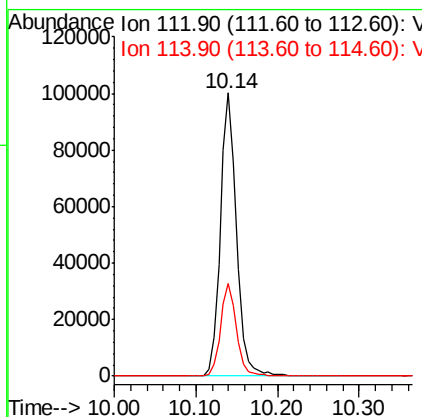
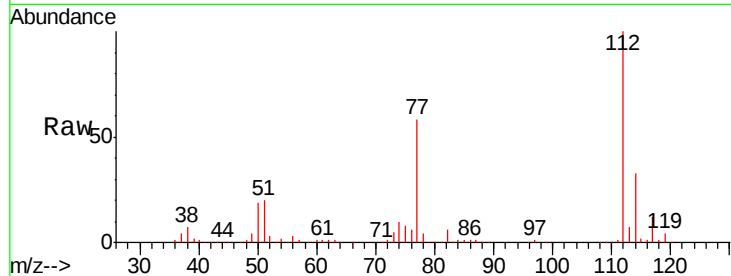
#65
Chlorobenzene
Concen: 18.70 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion:112 Resp: 138715
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

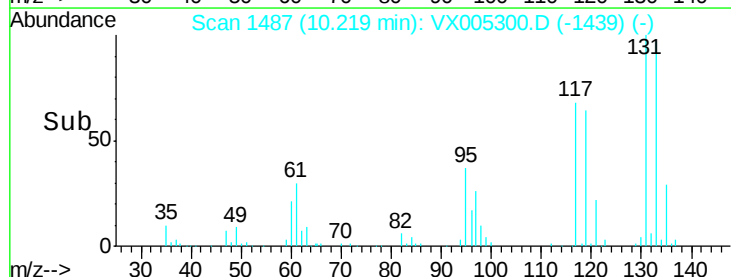
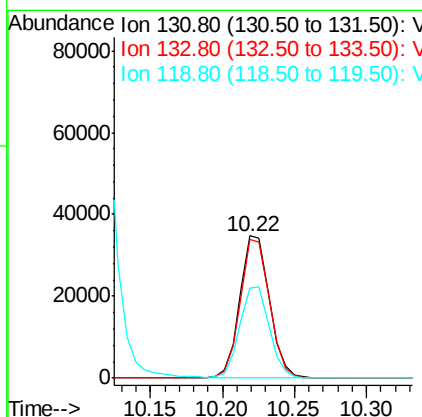
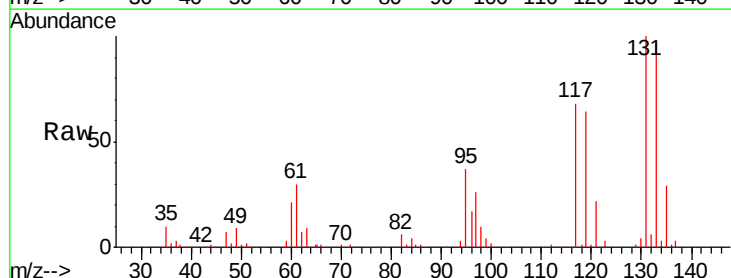
Manual Integrations
APPROVED

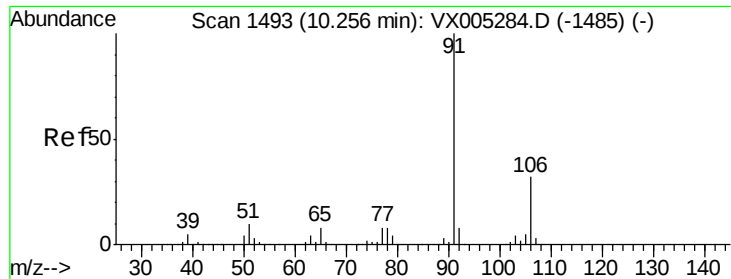
MMDadoda
10/17/2018 9:05:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.77 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion:131 Resp: 49638
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.4
119 64.7 32.9 98.6





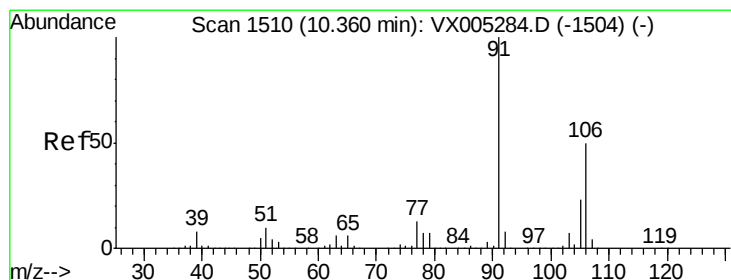
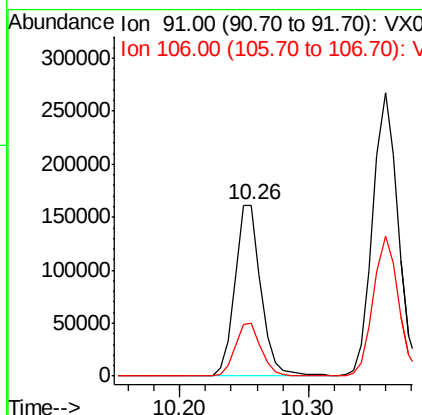
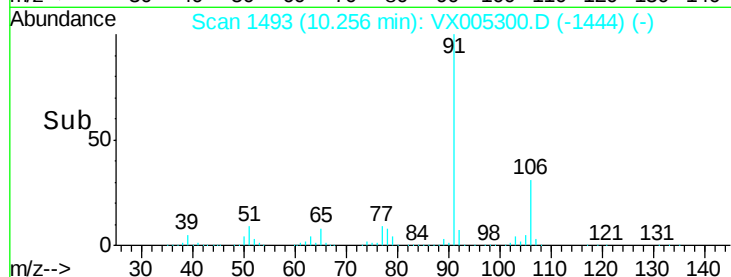
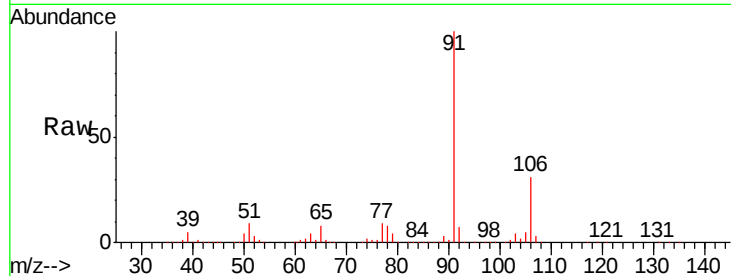
#67
Ethyl Benzene
Concen: 18.94 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 91 Resp: 228429
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

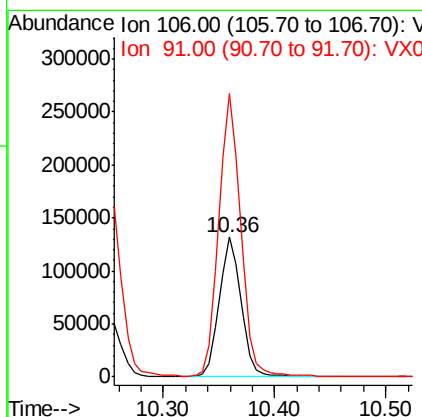
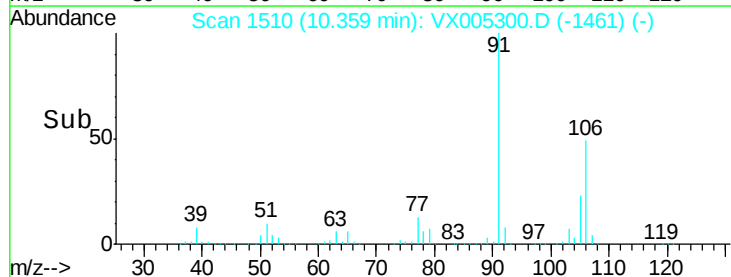
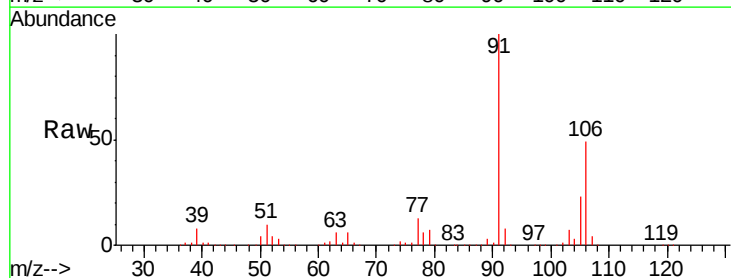
Manual Integrations
APPROVED

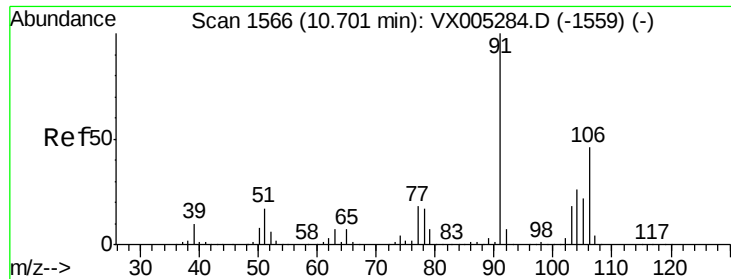
MMDadoda
10/17/2018 9:05:44 AM



#68
m/p-Xylenes
Concen: 38.26 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 106 Resp: 179110
Ion Ratio Lower Upper
106 100
91 206.2 157.1 235.7





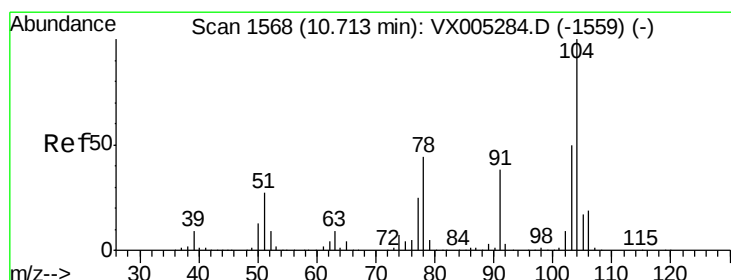
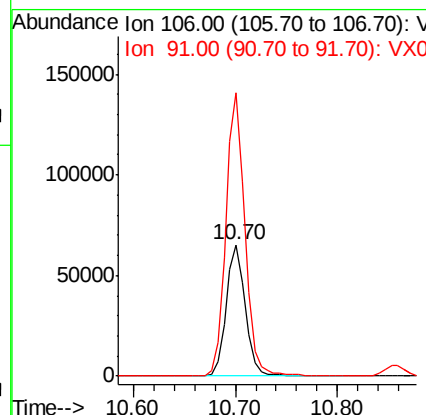
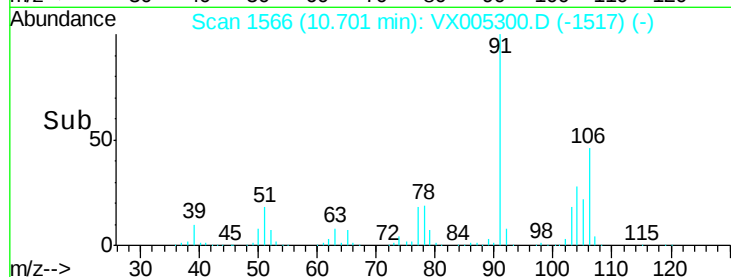
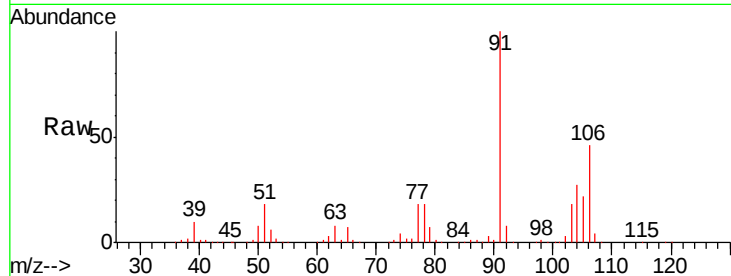
#69
o-Xylene
Concen: 18.94 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion:106 Resp: 85501
Ion Ratio Lower Upper
106 100
91 214.9 105.1 315.1

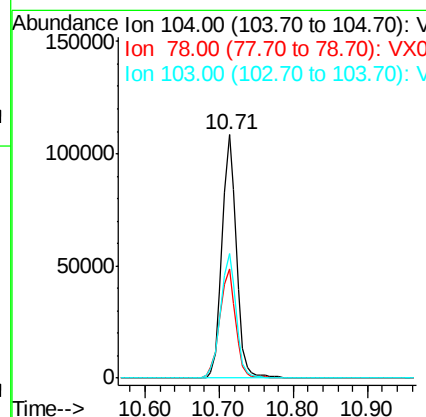
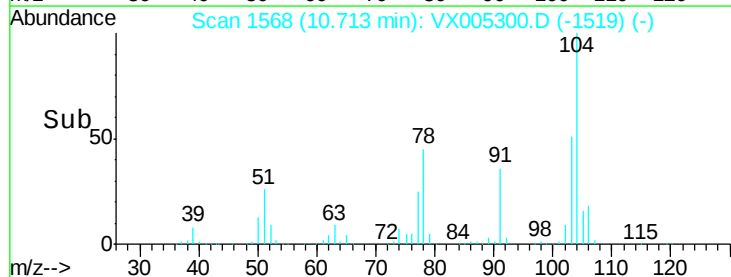
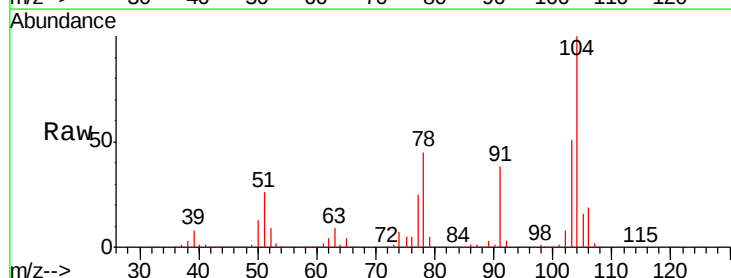
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#70
Styrene
Concen: 19.46 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion:104 Resp: 144477
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 17.61 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

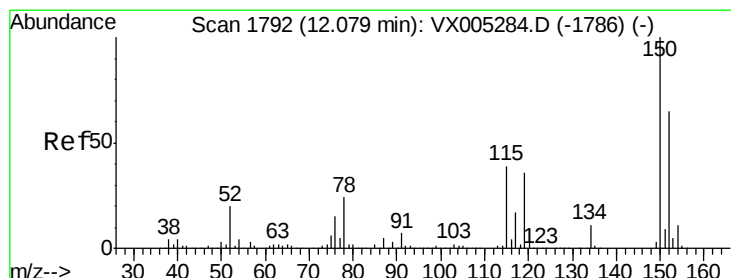
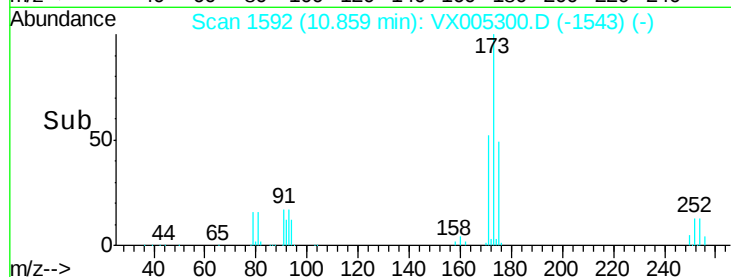
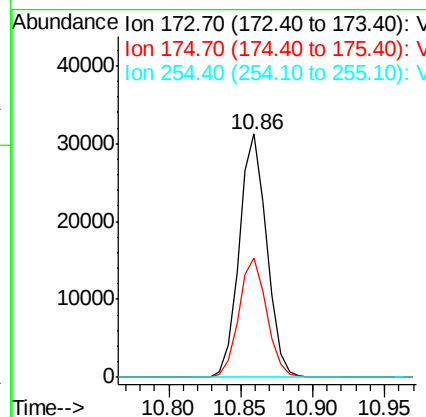
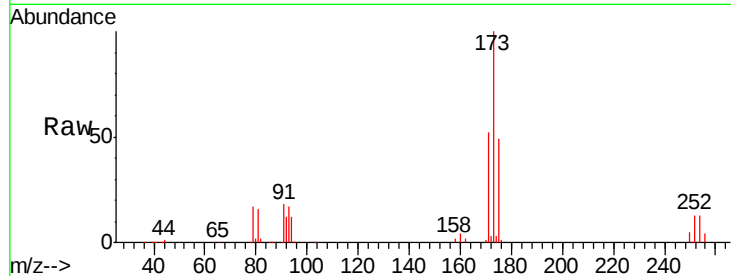
ClientSampleId :

VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

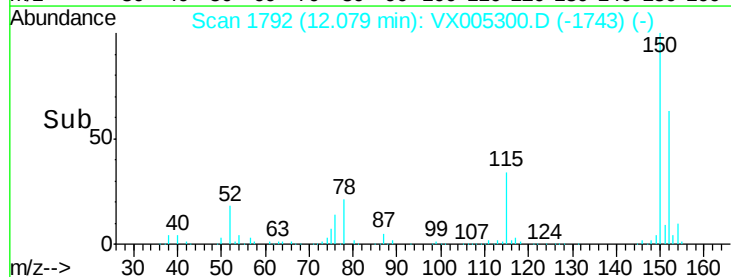
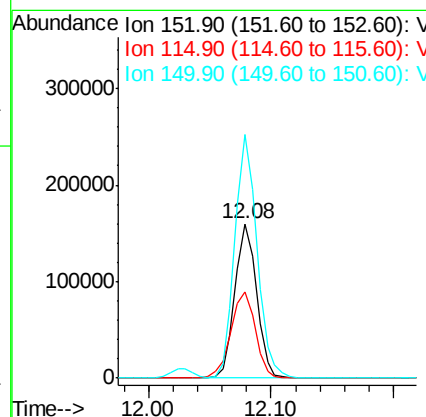
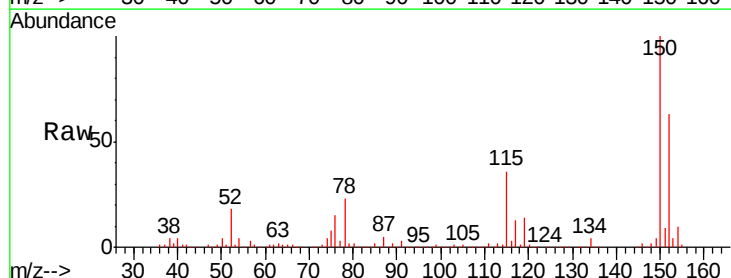
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	39.0	117.0
150	162.7	0.0	351.0





#73

Isopropylbenzene

Concen: 20.21 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 105 Resp: 233926

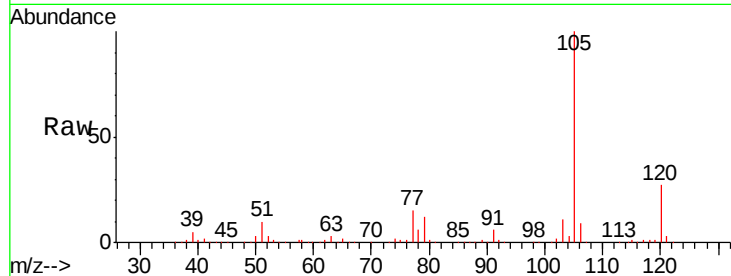
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4

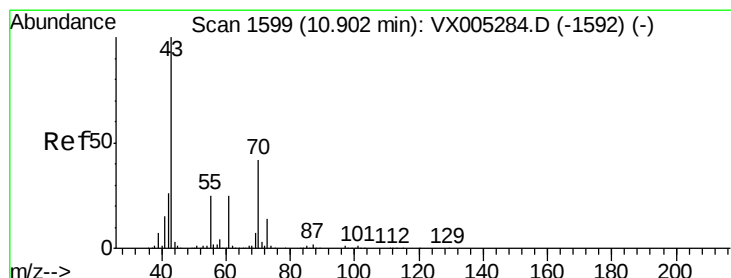
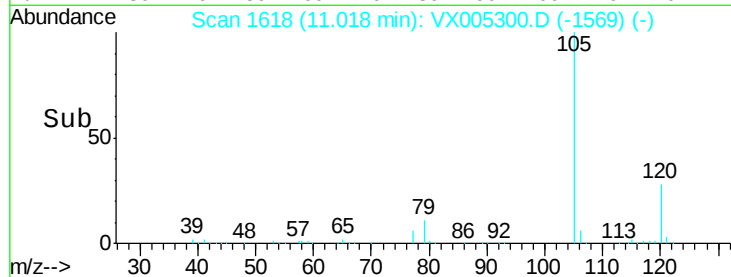
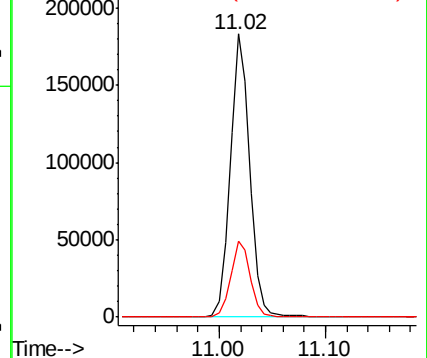
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 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: 19.10 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion: 43 Resp: 106592

Ion Ratio Lower Upper

43 100

70 41.5 37.4 56.0

55 26.9 21.8 32.8

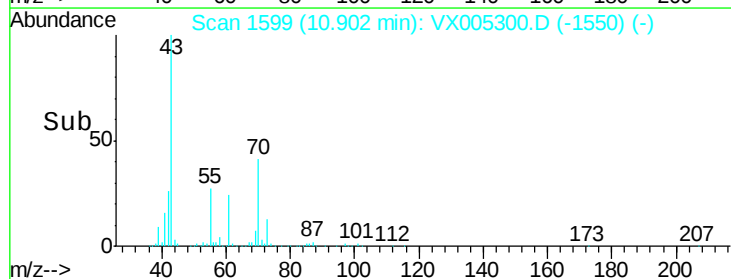
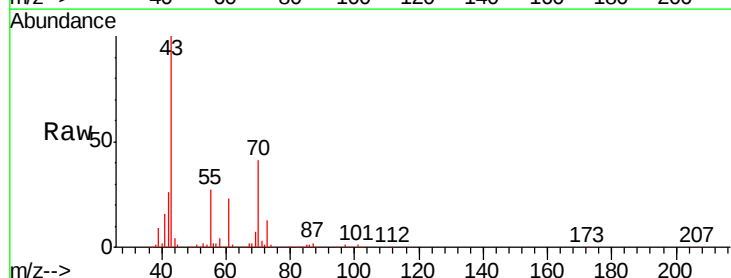
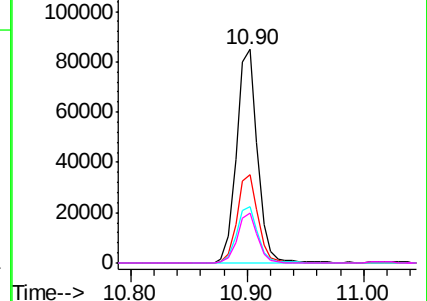
61 22.8 20.6 30.8

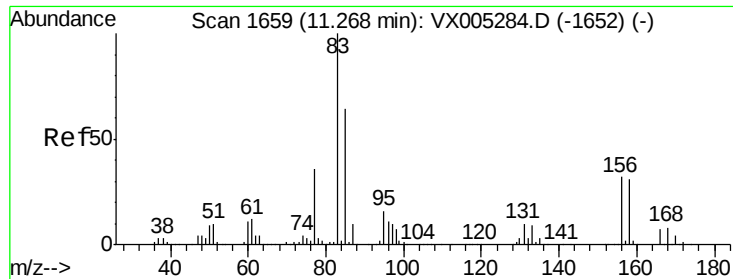
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.09 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

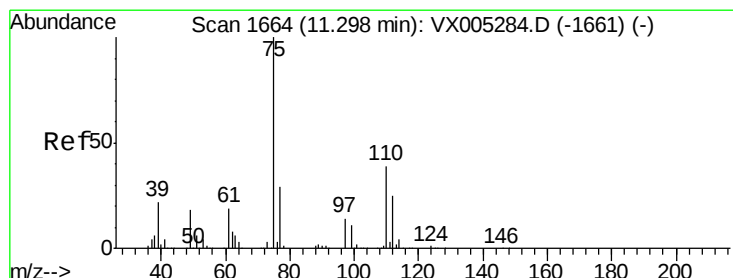
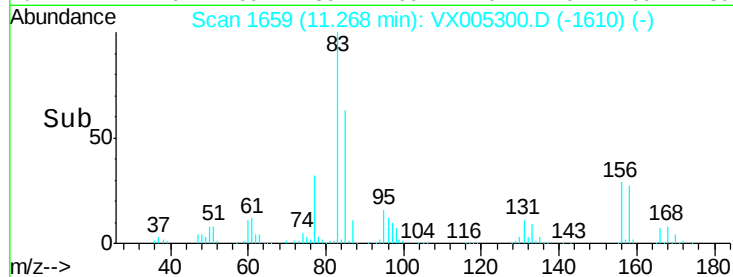
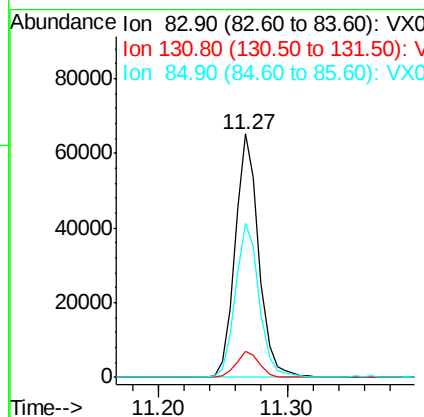
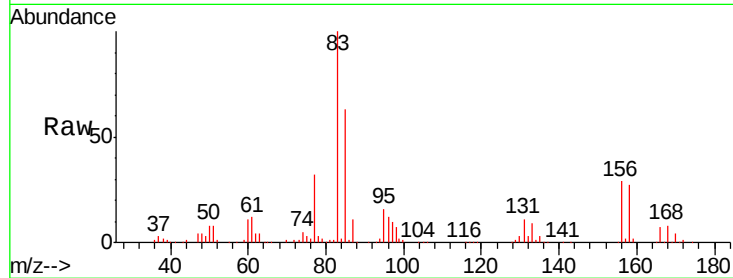
ClientSampleId :

VX1012WBSD01

Tgt Ion:	83	Resp:	83353
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#76

1,2,3-Trichloropropane

Concen: 20.42 ug/l m

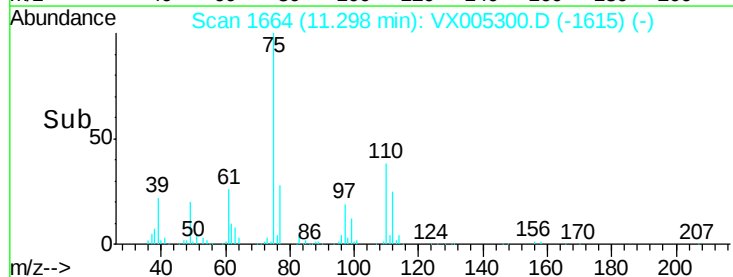
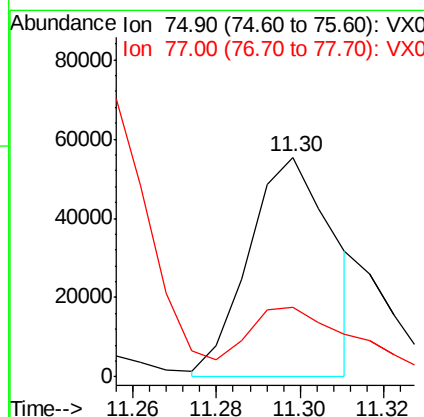
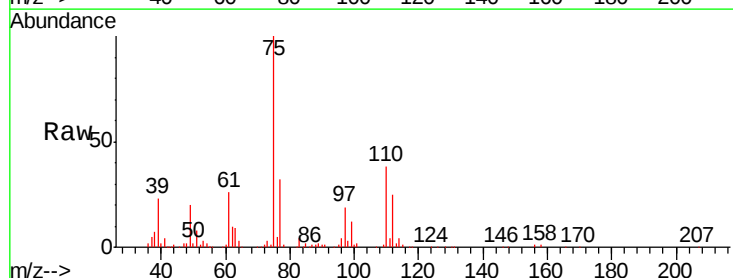
RT: 11.30 min Scan# 1664

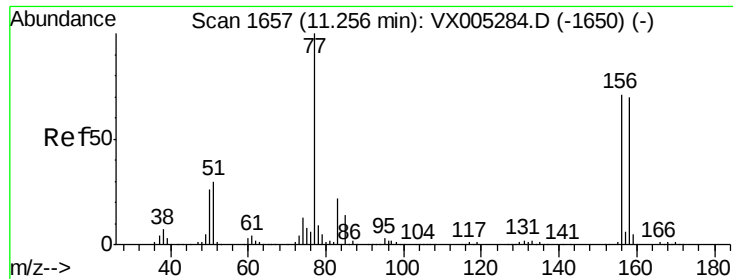
Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	75	Resp:	77126
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.2	60.6





#77

Bromobenzene

Concen: 19.63 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

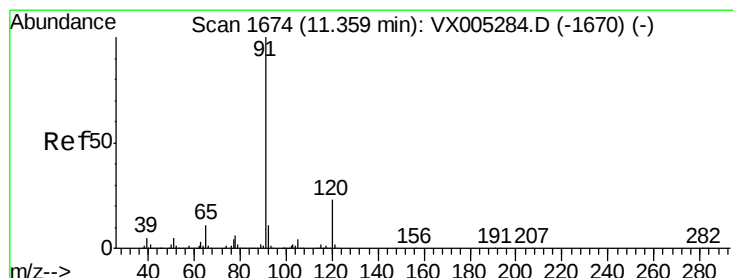
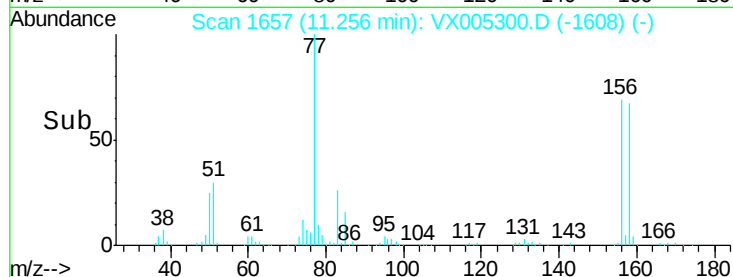
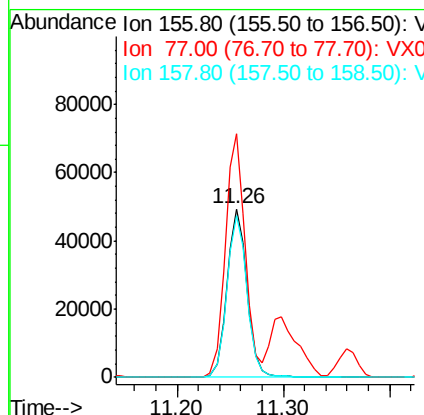
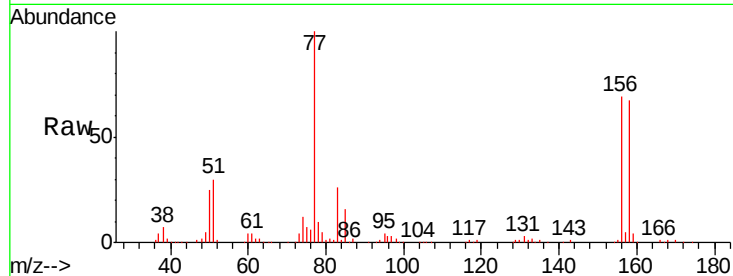
ClientSampleId :

VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.4	71.5	214.3
158	96.4	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#78

n-propylbenzene

Concen: 20.16 ug/l

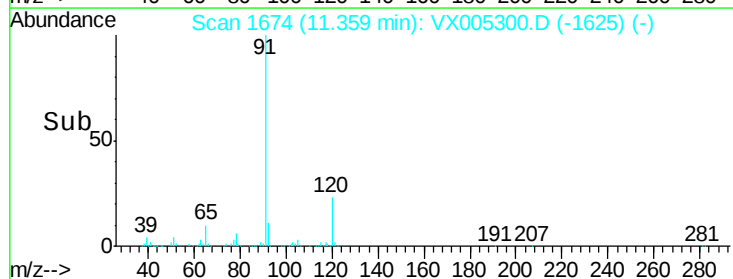
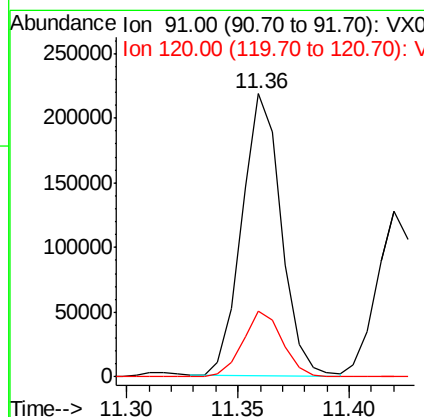
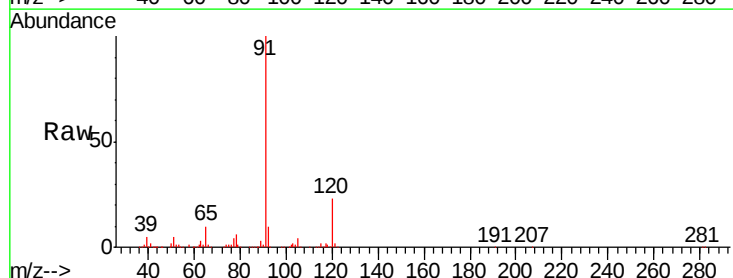
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 19.76 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBSD01

Tgt Ion: 91 Resp: 161205

Ion Ratio Lower Upper

91 100

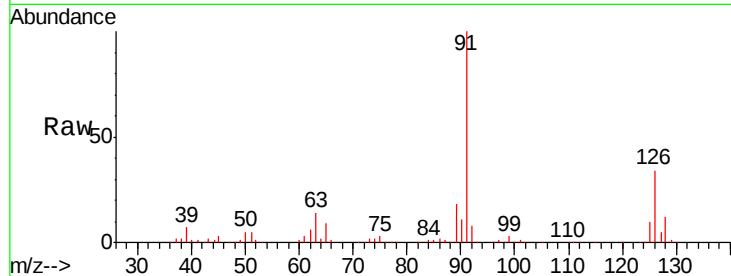
126 35.6 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

250000

200000

150000

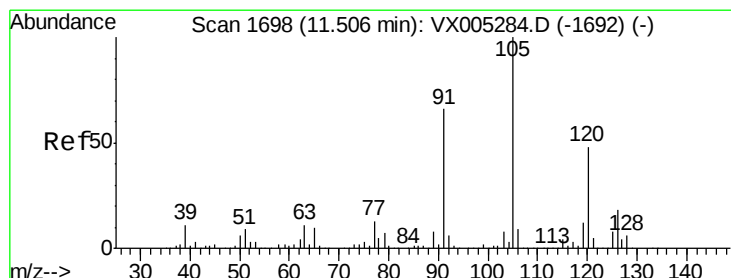
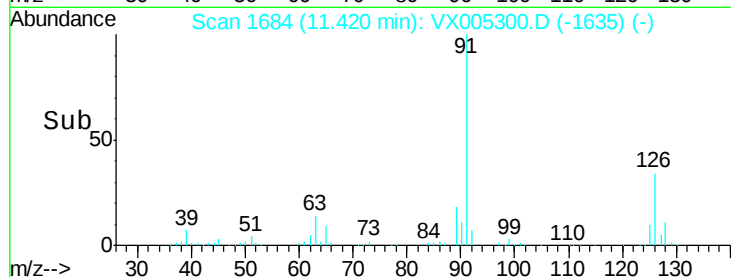
100000

50000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.28 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005300.D

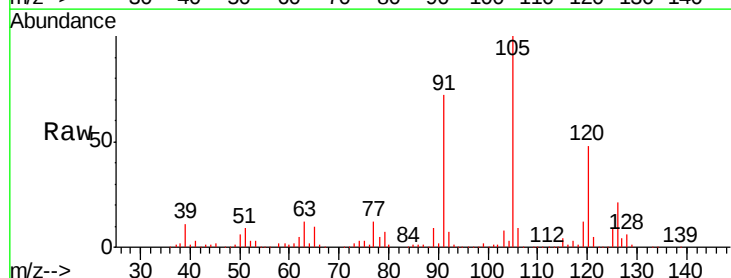
Acq: 12 Oct 2018 18:18

Tgt Ion: 105 Resp: 201015

Ion Ratio Lower Upper

105 100

120 48.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

150000

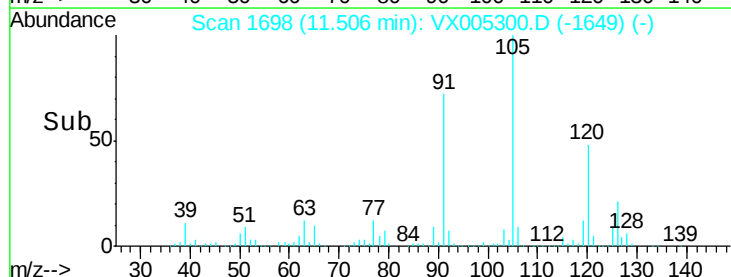
100000

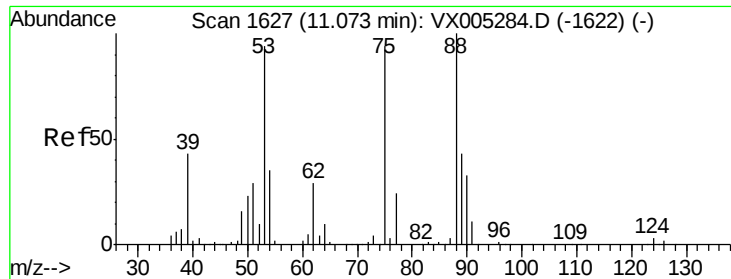
50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.46 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

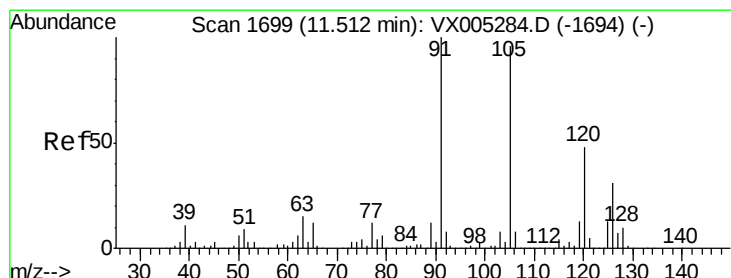
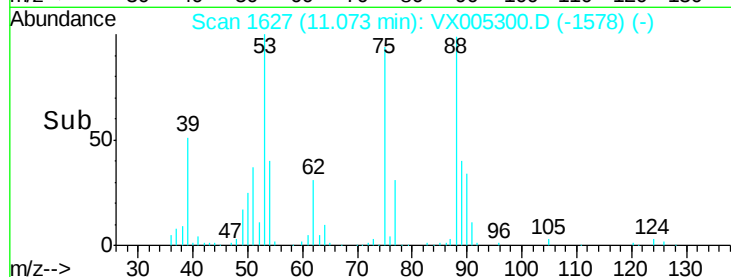
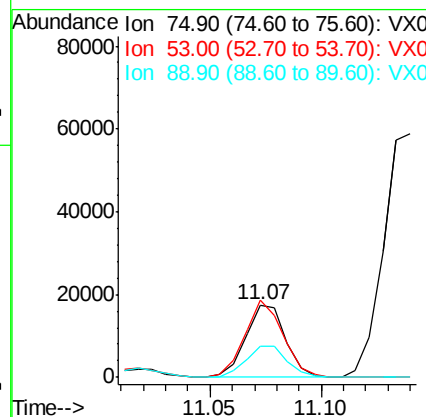
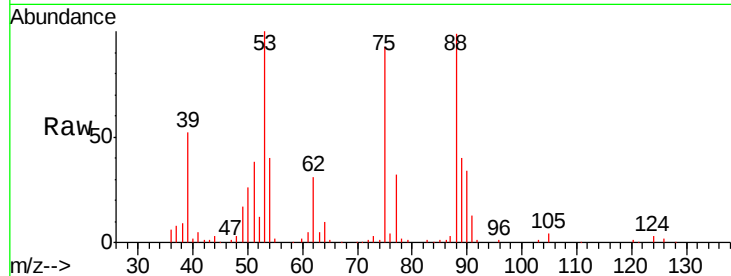
ClientSampled :

VX1012WBSD01

Tgt Ion:	75	Resp:	21700
Ion	Ratio	Lower	Upper
75	100		
53	102.5	80.1	120.1
89	45.0	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#82

4-Chlorotoluene

Concen: 19.81 ug/l

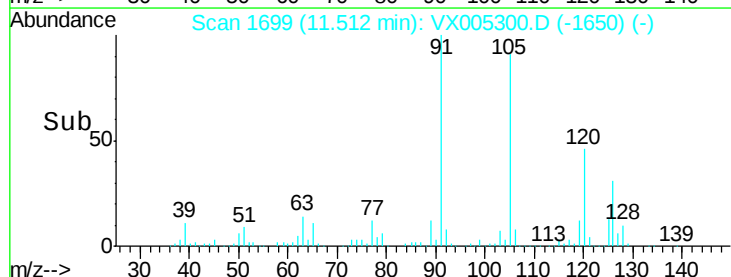
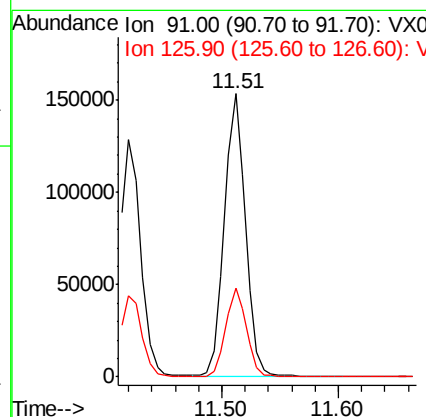
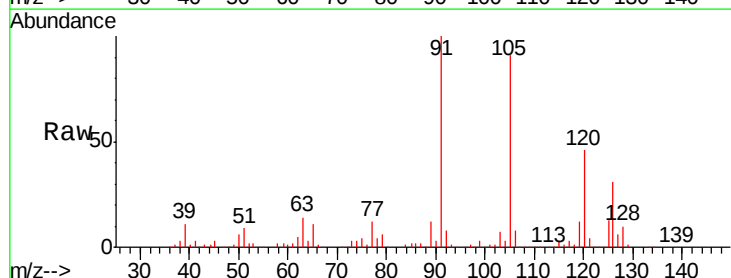
RT: 11.51 min Scan# 1699

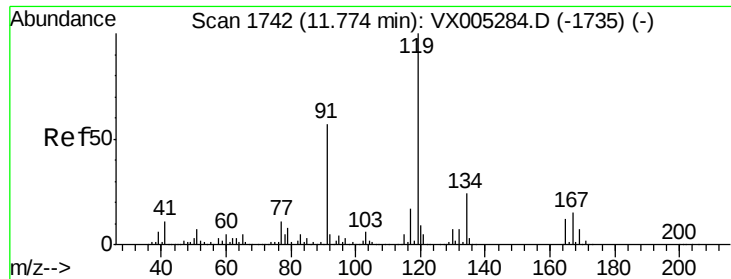
Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	91	Resp:	191550
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





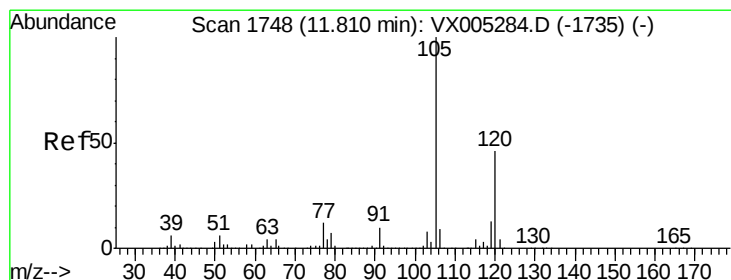
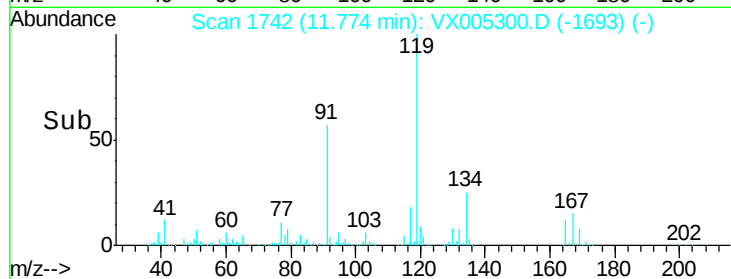
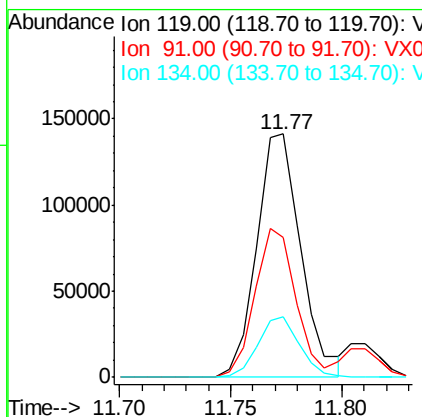
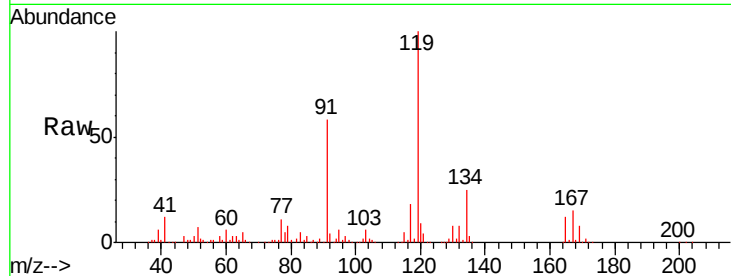
#83
 tert-Butylbenzene
 Concen: 19.43 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	195030		
91	56.6	27.0	81.0	
134	23.4	11.7	35.1	

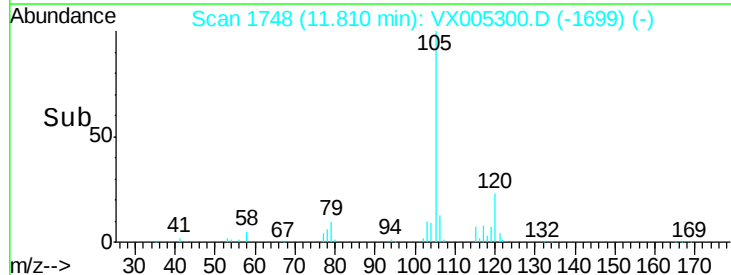
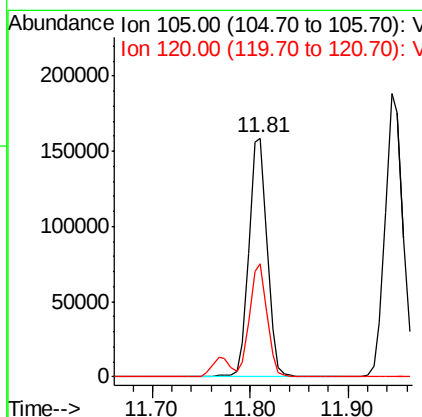
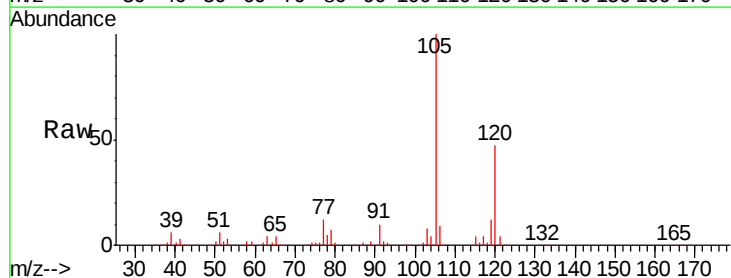
Manual Integrations
 APPROVED

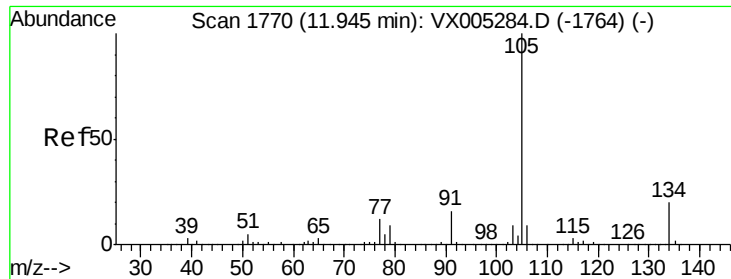
MMDadoda
 10/17/2018 9:05:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.20 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206025		
120	45.0	23.2	69.6	





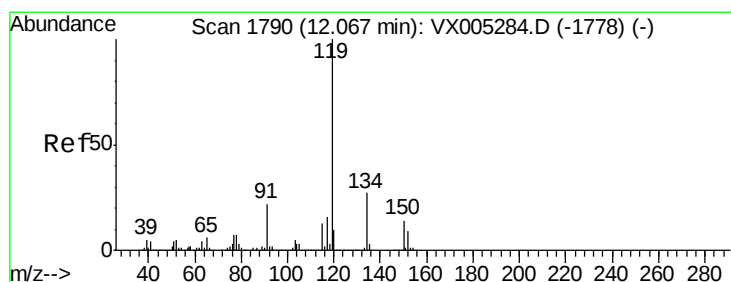
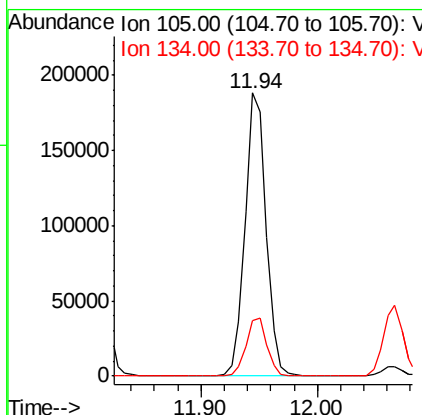
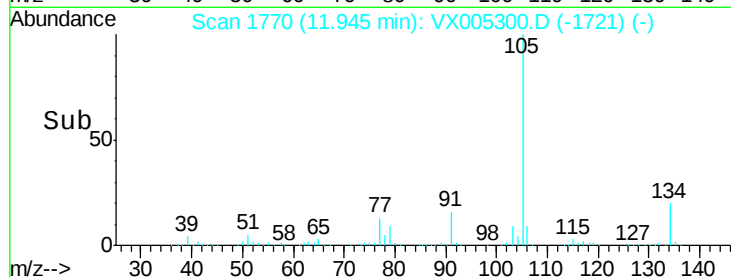
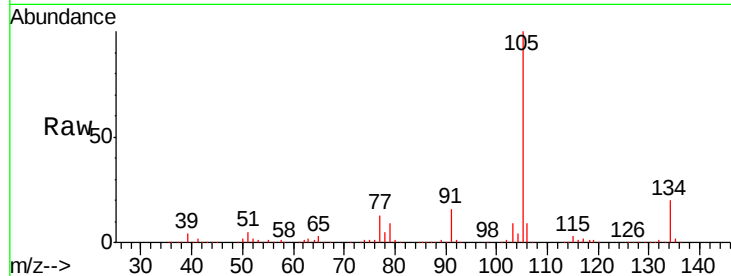
#85
 sec-Butylbenzene
 Concen: 20.05 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion:105 Resp: 238158
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.5 31.5

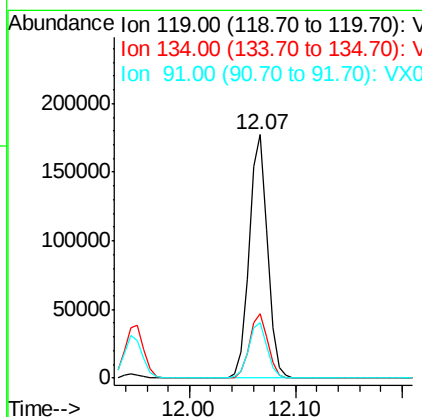
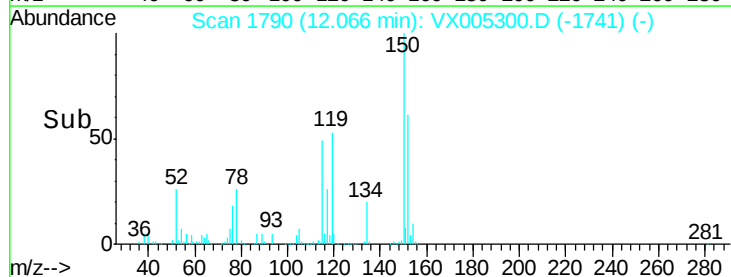
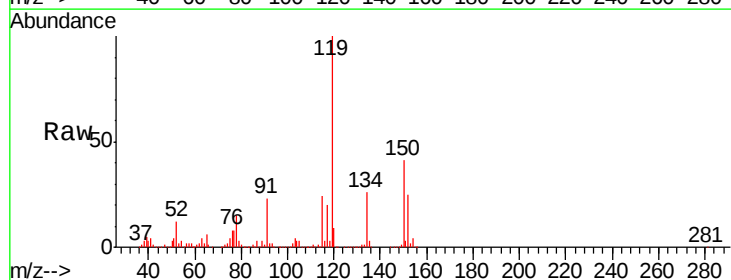
Manual Integrations
 APPROVED

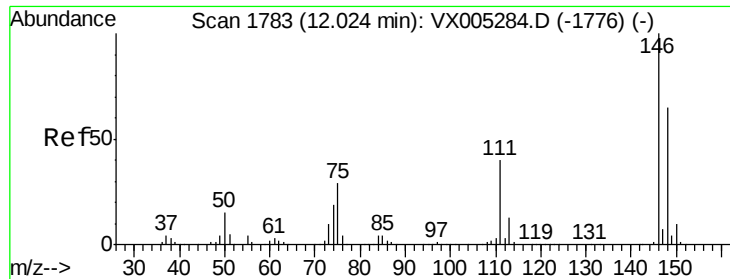
MMDadoda
 10/17/2018 9:05:44 AM



#86
 p-Isopropyltoluene
 Concen: 19.88 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion:119 Resp: 213378
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 23.2 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 19.06 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

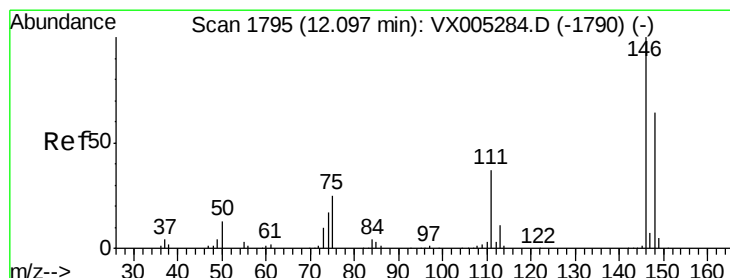
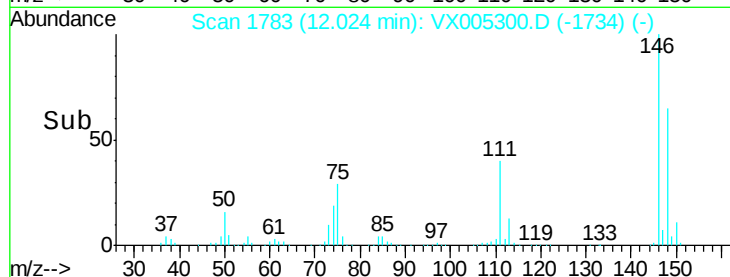
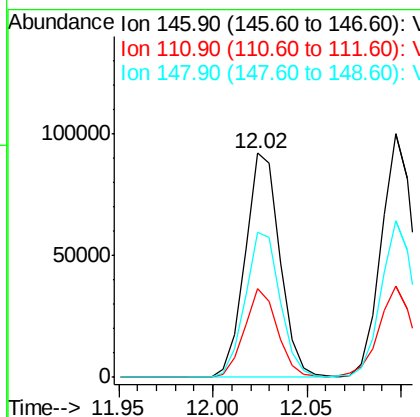
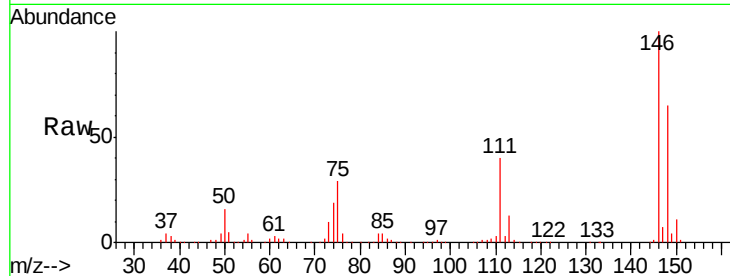
ClientSampleId :

VX1012WBSD01

Tgt Ion:	146	Resp:	117856
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.7	56.1
148	64.7	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#88

1,4-Dichlorobenzene

Concen: 19.18 ug/l

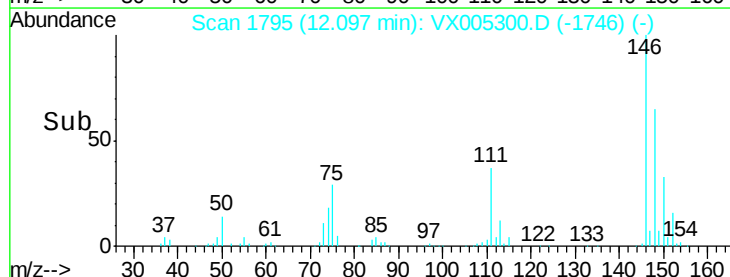
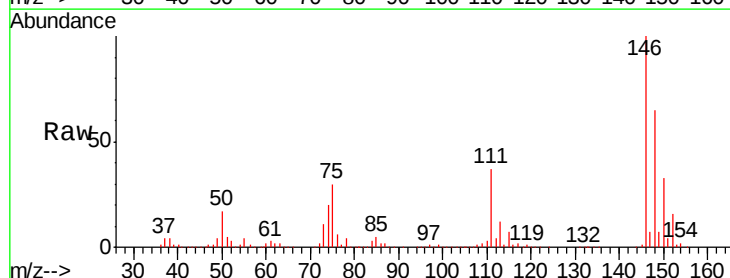
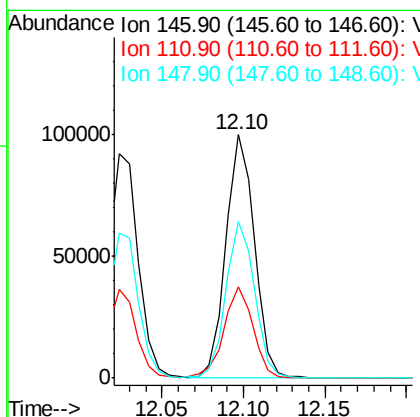
RT: 12.10 min Scan# 1795

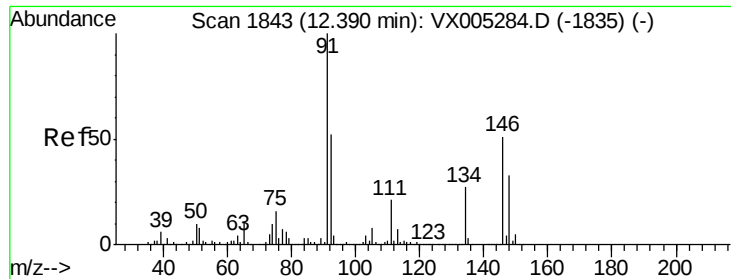
Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	146	Resp:	121360
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.1	54.1
148	65.1	32.0	96.0





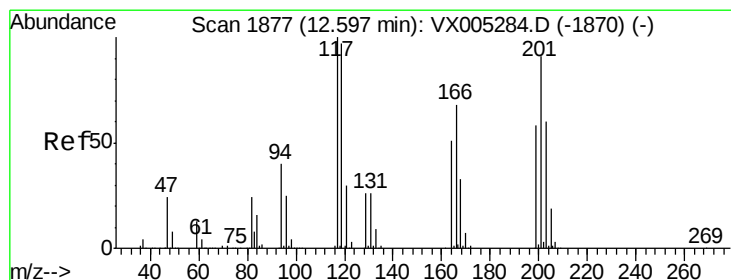
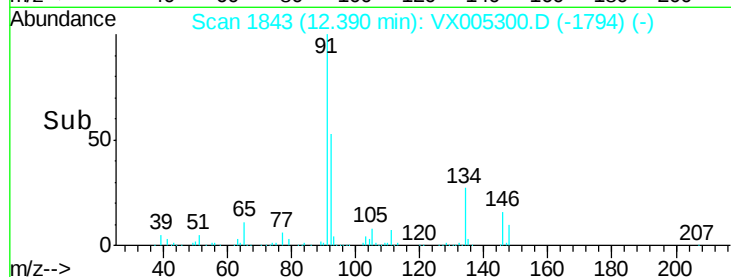
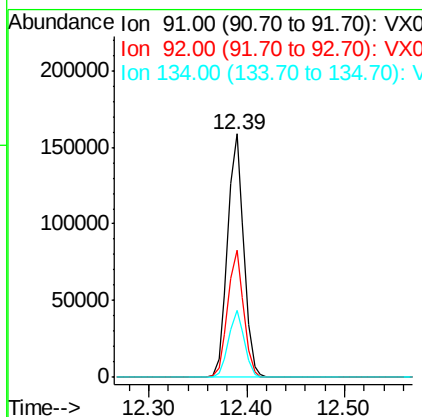
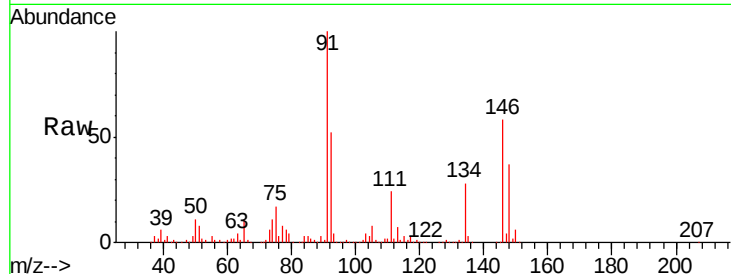
#89
n-Butylbenzene
Concen: 18.76 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBSD01

Tgt Ion: 91 Resp: 182855
Ion Ratio Lower Upper
91 100
92 51.6 27.3 81.9
134 26.8 13.6 40.7

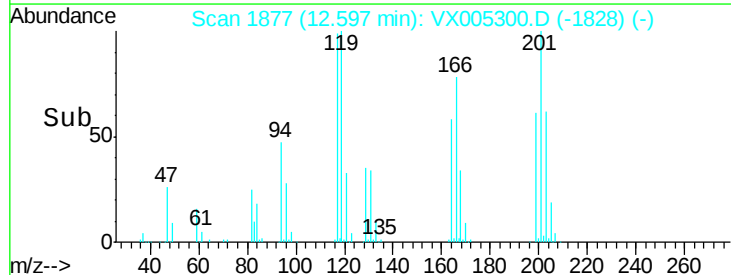
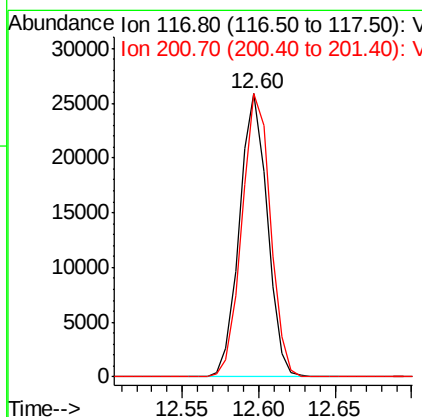
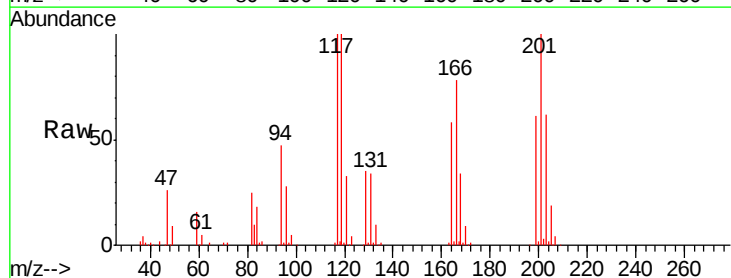
Manual Integrations
APPROVED

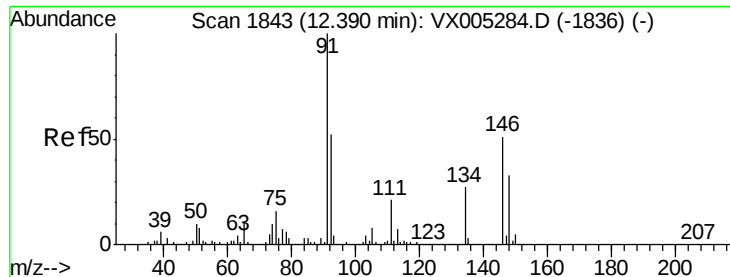
MMDadoda
10/17/2018 9:05:44 AM



#90
Hexachloroethane
Concen: 17.68 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005300.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 117 Resp: 32704
Ion Ratio Lower Upper
117 100
201 101.8 46.9 140.6





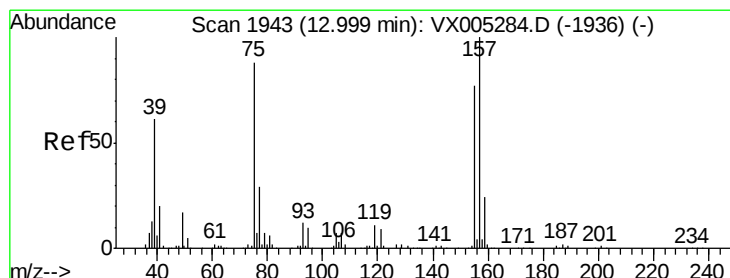
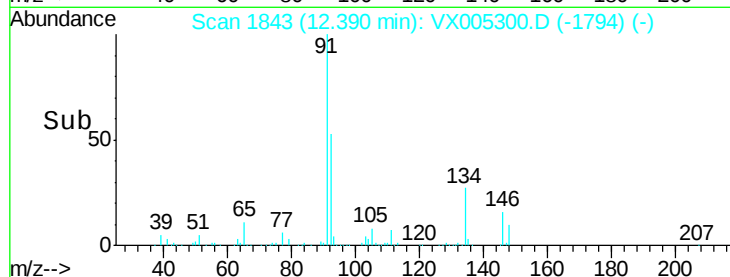
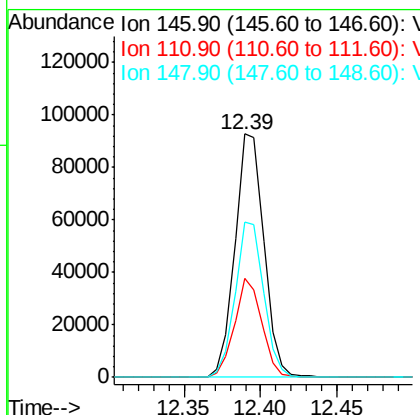
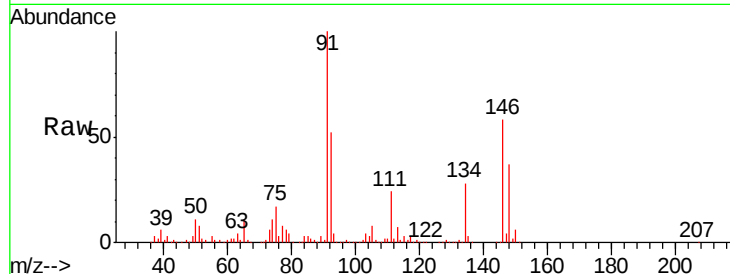
#91
 1,2-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	62.9	32.8	98.3

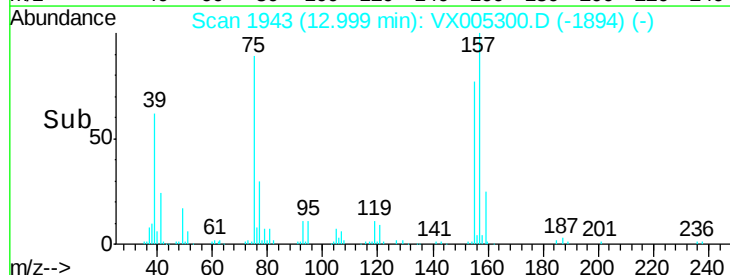
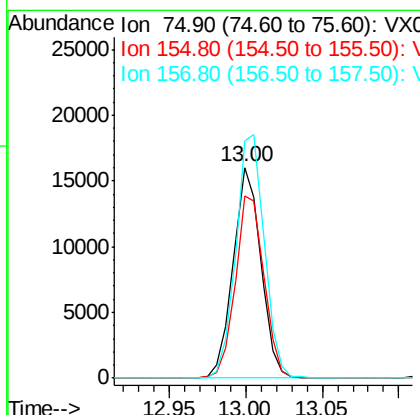
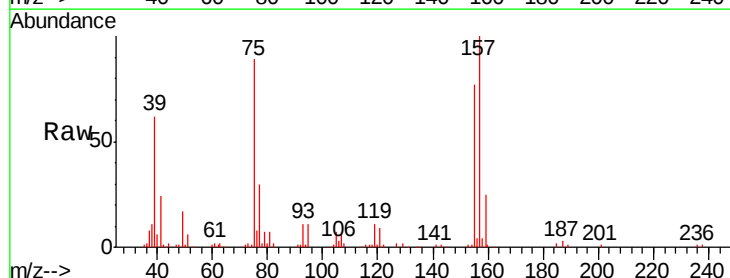
Manual Integrations
 APPROVED

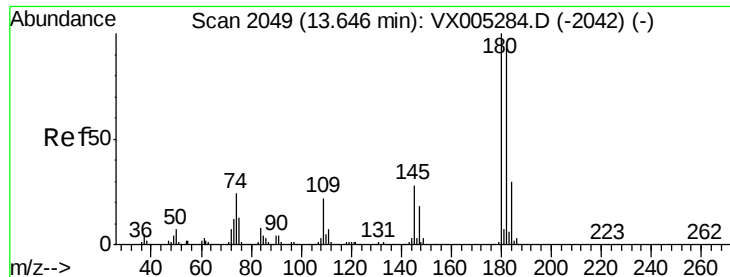
MMDadoda
 10/17/2018 9:05:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.94 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	48.0	144.2
157	117.9	61.4	184.1





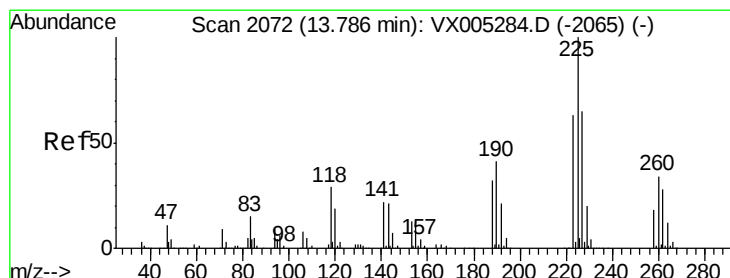
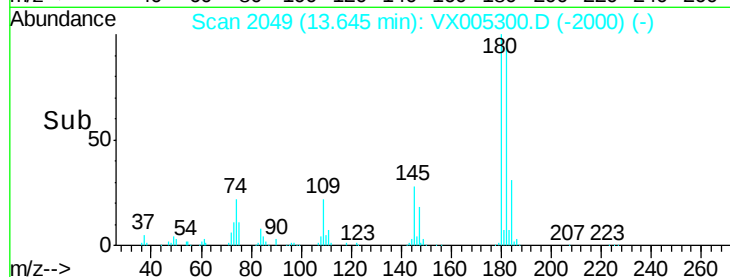
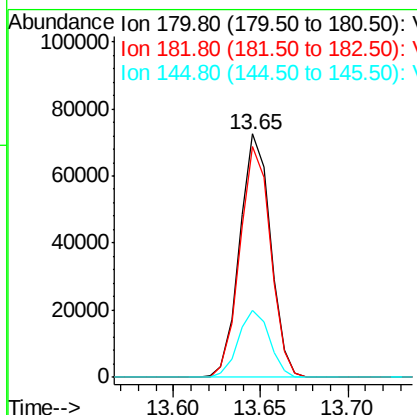
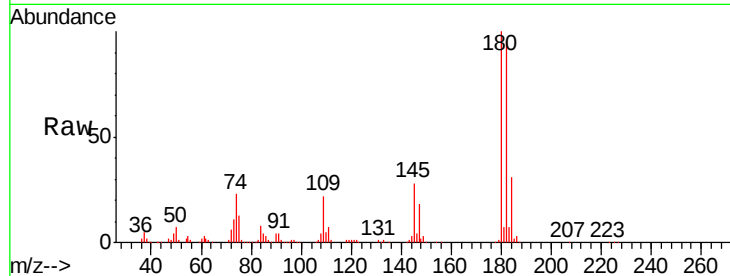
#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89157		
182	94.6	48.4	145.0	
145	28.0	14.3	42.9	

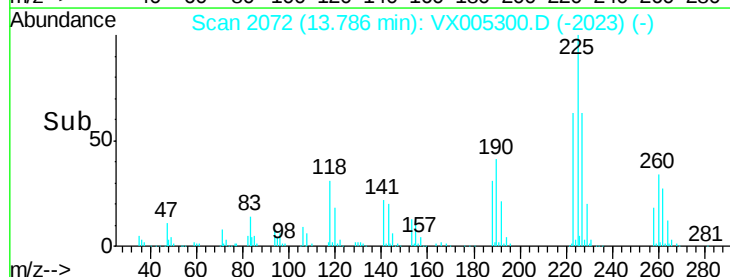
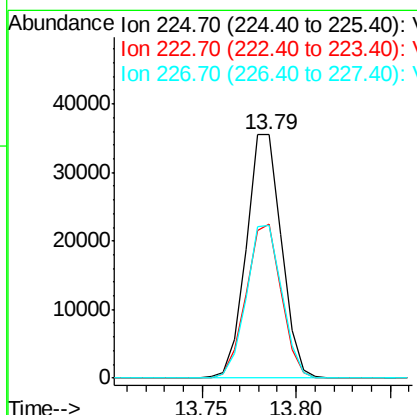
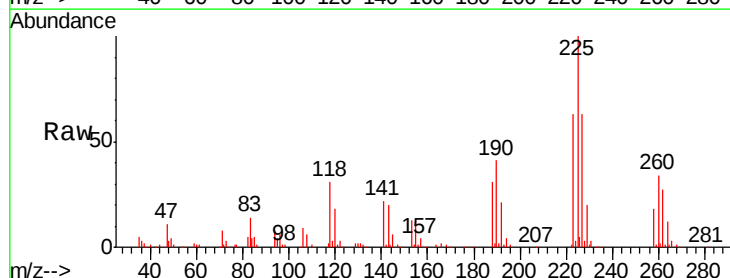
Manual Integrations
 APPROVED

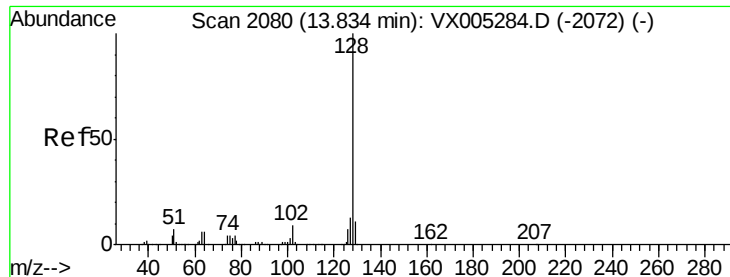
MMDadoda
 10/17/2018 9:05:44 AM



#94
 Hexachlorobutadiene
 Concen: 18.81 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005300.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45992		
223	63.0	30.1	90.5	
227	63.2	30.8	92.4	





#95

Naphthalene

Concen: 20.09 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_X

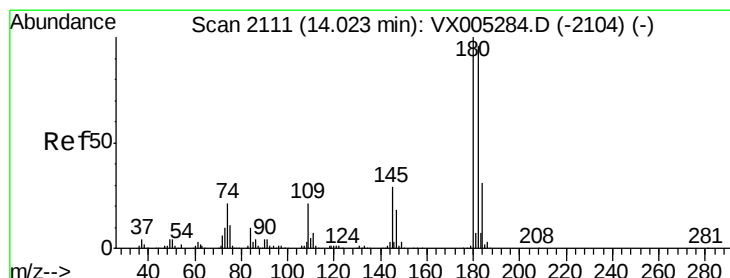
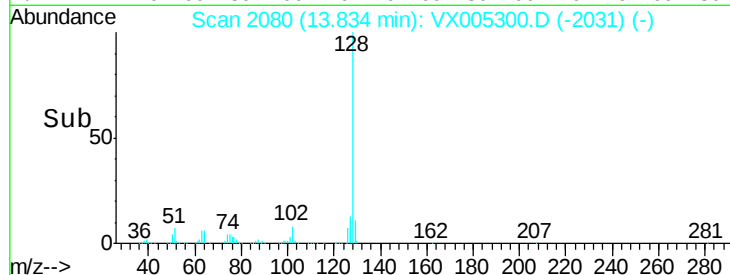
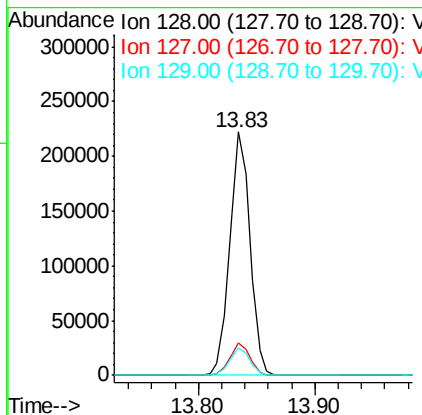
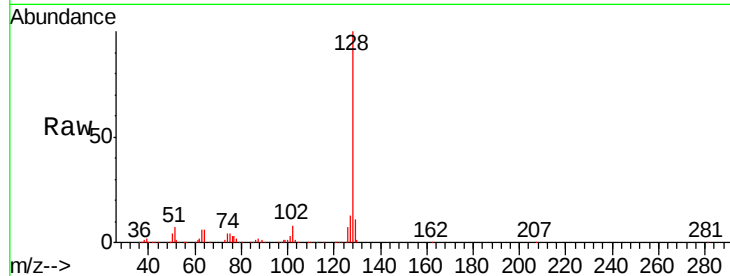
ClientSampleId :

VX1012WBSD01

Tgt Ion:	128	Resp:	269801
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.55 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005300.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	180	Resp:	92629
Ion Ratio		Lower	Upper
180	100		
182	95.5	48.5	145.6
145	28.9	14.9	44.9

