

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005291.D
 Acq On : 12 Oct 2018 14:18
 Operator : JC/MD
 Sample : VX1012WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:49 AM

Quant Time: Oct 13 04:42:51 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	5.66	168	268717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199317	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	146582	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	5.50	113	115735	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
50) Toluene-d8	8.71	98	445891	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	160723	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	43149	20.54	ug/l	99
3) Chloromethane	1.32	50	65885	21.64	ug/l	99
4) Vinyl Chloride	1.40	62	61819	20.05	ug/l	96
5) Bromomethane	1.64	94	33950	19.85	ug/l	100
6) Chloroethane	1.71	64	37362	19.52	ug/l	98
7) Trichlorofluoromethane	1.92	101	82779	20.11	ug/l	96
8) Diethyl Ether	2.19	74	34441	19.60	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	47264	19.90	ug/l	96
10) Methyl Iodide	2.51	142	38815	16.65	ug/l	97
11) Tert butyl alcohol	3.07	59	86379	102.68	ug/l	100
12) 1,1-Dichloroethene	2.37	96	46103	19.59	ug/l	96
13) Acrolein	2.29	56	52437	96.35	ug/l	96
14) Allyl chloride	2.73	41	102686	19.87	ug/l	95
15) Acrylonitrile	3.15	53	185036	97.06	ug/l	98
16) Acetone	2.45	43	174477	101.18	ug/l	95
17) Carbon Disulfide	2.57	76	134497	18.86	ug/l	99
18) Methyl Acetate	2.78	43	99439	20.27	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	166437	20.08	ug/l	96
20) Methylene Chloride	2.85	84	53963	20.71	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	49932	19.14	ug/l	97
22) Diisopropyl ether	3.87	45	162050	18.67	ug/l	94
23) Vinyl Acetate	3.82	43	722437	95.24	ug/l	96
24) 1,1-Dichloroethane	3.69	63	94929	19.08	ug/l	97
25) 2-Butanone	4.70	43	242116	95.97	ug/l	95
26) 2,2-Dichloropropane	4.58	77	73458	19.75	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	51097	18.03	ug/l	90
28) Bromochloromethane	5.02	49	42651	18.81	ug/l	93
29) Tetrahydrofuran	5.16	42	155516	96.64	ug/l	92
30) Chloroform	5.21	83	89041	19.29	ug/l	95
31) Cyclohexane	5.57	56	77111	18.81	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	78797	19.61	ug/l	98
36) 1,1-Dichloropropene	5.79	75	66106	17.67	ug/l	98
37) Ethyl Acetate	4.85	43	85189	17.70	ug/l	98
38) Carbon Tetrachloride	5.77	117	71008	18.89	ug/l #	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005291.D
 Acq On : 12 Oct 2018 14:18
 Operator : JC/MD
 Sample : VX1012WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1012WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:49 AM

Quant Time: Oct 13 04:42:51 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	74072	18.29	ug/l	95
40) Benzene	6.13	78	226431	20.17	ug/l	94
41) Methacrylonitrile	5.06	41	47496	18.41	ug/l	96
42) 1,2-Dichloroethane	6.20	62	75012	18.93	ug/l	98
43) Isopropyl Acetate	6.46	43	126601	19.75	ug/l	96
44) Trichloroethene	7.21	130	54490	18.62	ug/l	93
45) 1,2-Dichloropropane	7.52	63	53256	19.34	ug/l	100
46) Dibromomethane	7.66	93	33535	18.45	ug/l	97
47) Bromodichloromethane	7.90	83	64457	19.18	ug/l	99
48) Methyl methacrylate	7.77	41	64414	19.38	ug/l	95
49) 1,4-Dioxane	7.76	88	31096	405.53	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	451571	101.74	ug/l	94
52) Toluene	8.79	92	124369	20.25	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	71900	19.77	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	77996	19.79	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	51286	19.72	ug/l	97
56) Ethyl methacrylate	9.18	69	75627	19.95	ug/l	95
57) 1,3-Dichloropropane	9.37	76	85172	19.62	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	219246	103.10	ug/l	95
59) 2-Hexanone	9.50	43	356984	99.99	ug/l	93
60) Dibromochloromethane	9.58	129	51852	19.29	ug/l	99
61) 1,2-Dibromoethane	9.67	107	54144	19.84	ug/l	98
64) Tetrachloroethene	9.33	164	54141	18.84	ug/l	99
65) Chlorobenzene	10.14	112	139935	18.43	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	50463	18.65	ug/l	99
67) Ethyl Benzene	10.26	91	233640	18.93	ug/l	97
68) m/p-Xylenes	10.36	106	183095	38.21	ug/l	95
69) o-Xylene	10.70	106	86013	18.61	ug/l	94
70) Styrene	10.71	104	145830	19.19	ug/l	97
71) Bromoform	10.86	173	42853	17.72	ug/l	99
73) Isopropylbenzene	11.02	105	238261	20.11	ug/l	99
74) N-amyl acetate	10.90	43	111599	19.53	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	83791	18.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	78053m	20.19	ug/l	
77) Bromobenzene	11.26	156	65490	19.33	ug/l	100
78) n-propylbenzene	11.36	91	273407	20.05	ug/l	100
79) 2-Chlorotoluene	11.42	91	163609	19.59	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	204410	20.15	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	22883	17.98	ug/l	94
82) 4-Chlorotoluene	11.51	91	196782	19.88	ug/l	99
83) tert-Butylbenzene	11.77	119	201071	19.57	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	209673	20.08	ug/l	98
85) sec-Butylbenzene	11.94	105	241869	19.89	ug/l	98
86) p-Isopropyltoluene	12.07	119	215412	19.60	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120361	19.01	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	122412	18.90	ug/l	99
89) n-Butylbenzene	12.39	91	188047	18.84	ug/l	97
90) Hexachloroethane	12.60	117	34110	18.01	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	120572	18.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19465	17.85	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
Data File : VX005291.D
Acq On : 12 Oct 2018 14:18
Operator : JC/MD
Sample : VX1012WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

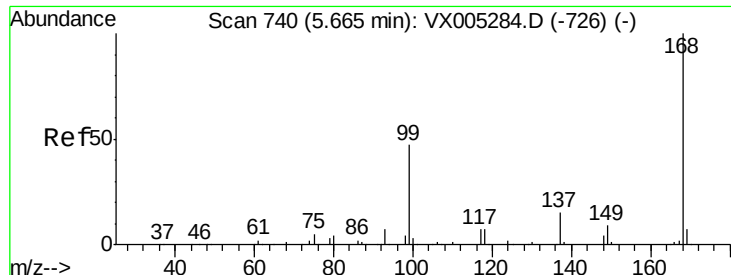
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM

Quant Time: Oct 13 04:42:51 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	89733	18.93	ug/l	98
94) Hexachlorobutadiene	13.79	225	47122	18.82	ug/l	98
95) Naphthalene	13.83	128	272413	19.82	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	93571	19.29	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion:168 Resp: 268717

Ion Ratio Lower Upper

168 100

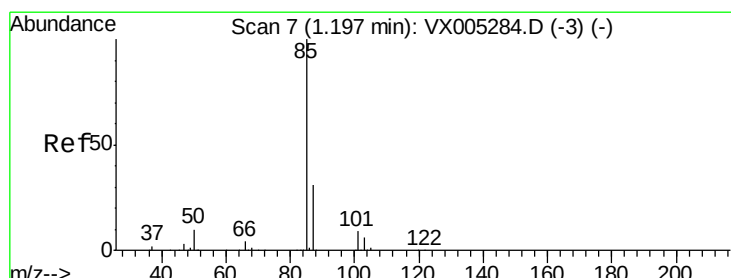
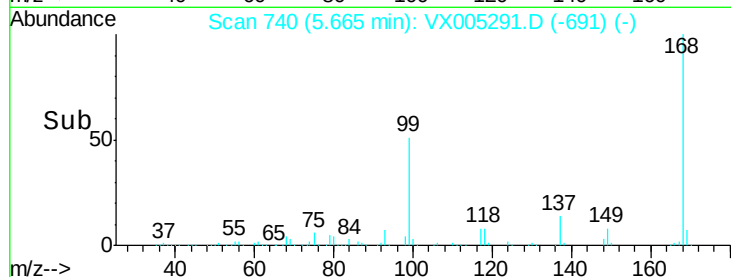
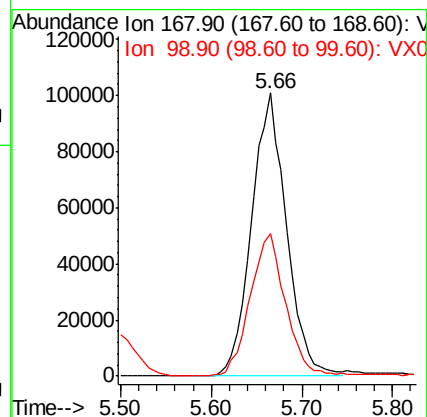
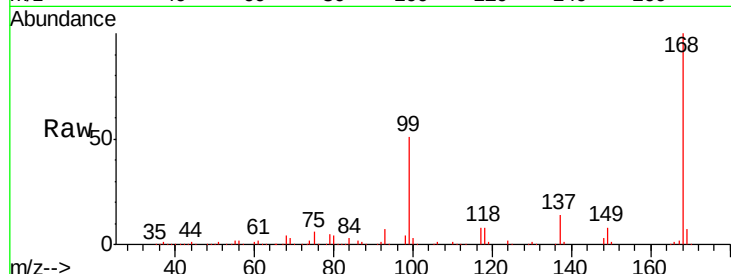
99 50.5 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:04:49 AM



#2

Dichlorodifluoromethane

Concen: 20.54 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005291.D

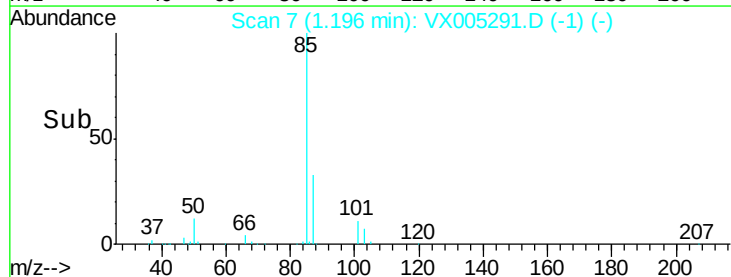
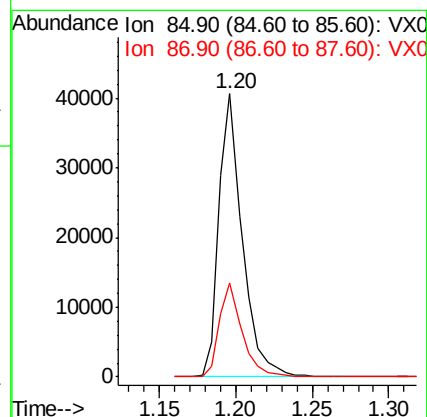
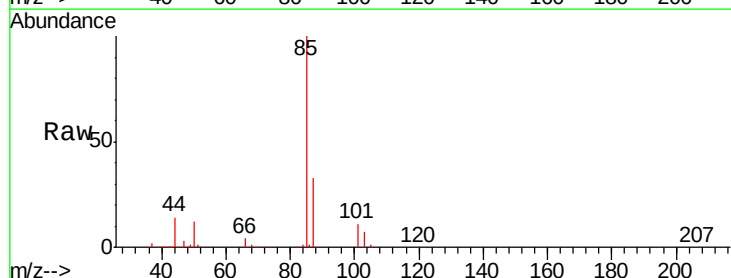
Acq: 12 Oct 2018 14:18

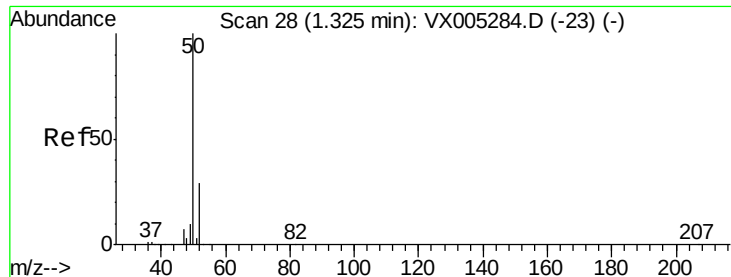
Tgt Ion: 85 Resp: 43149

Ion Ratio Lower Upper

85 100

87 33.1 17.0 50.9





#3

Chloromethane

Concen: 21.64 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 50 Resp: 65885

Ion Ratio Lower Upper

50 100

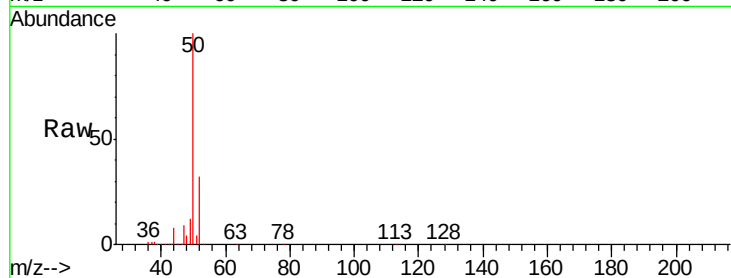
52 32.1 26.2 39.2

Manual Integrations

APPROVED

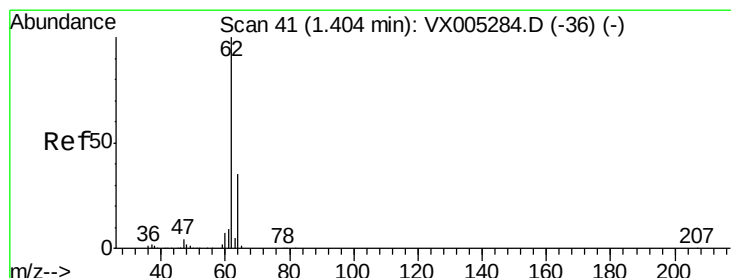
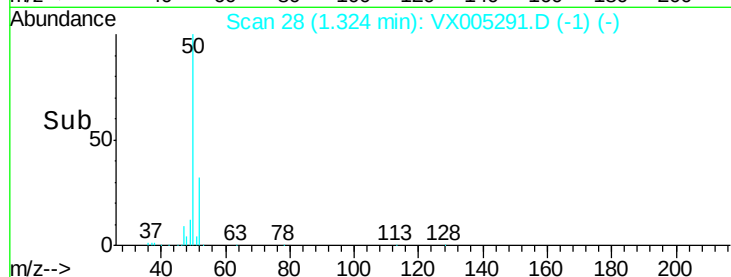
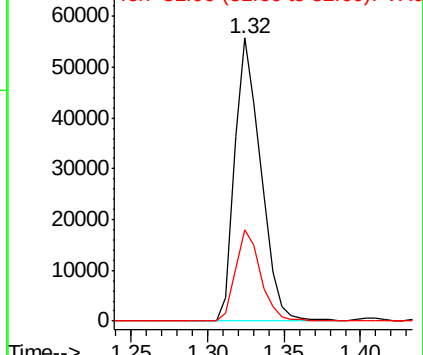
MMDadoda

10/17/2018 9:04:49 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.05 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005291.D

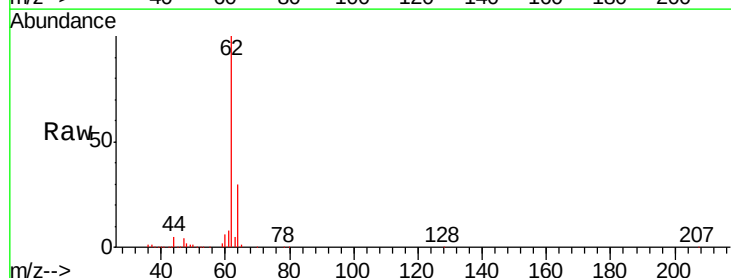
Acq: 12 Oct 2018 14:18

Tgt Ion: 62 Resp: 61819

Ion Ratio Lower Upper

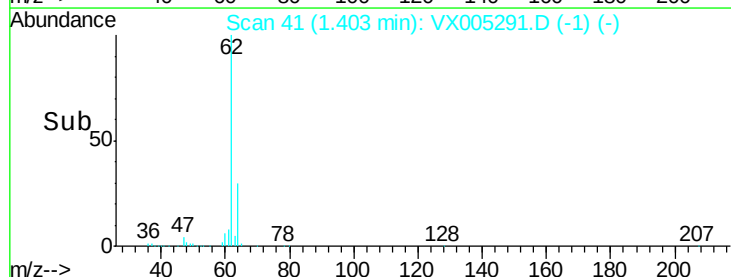
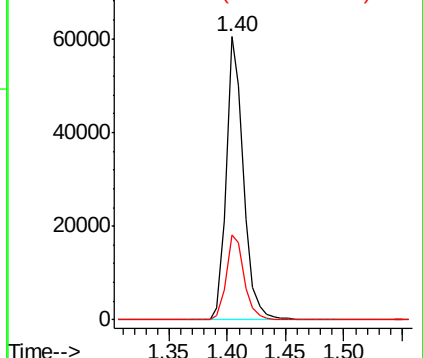
62 100

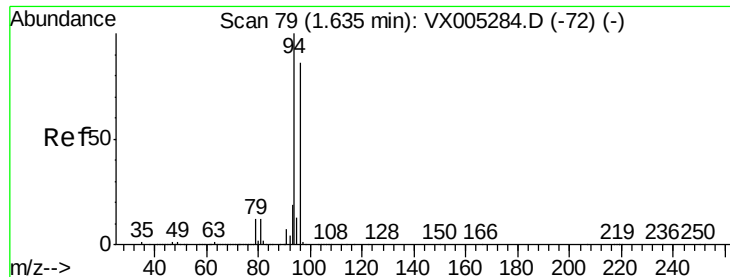
64 29.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.85 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 94 Resp: 33950

Ion Ratio Lower Upper

94 100

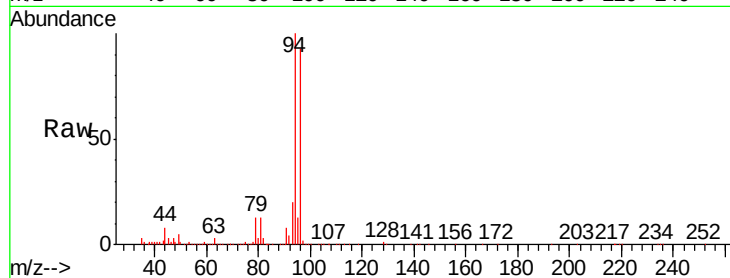
96 93.0 74.5 111.7

Manual Integrations

APPROVED

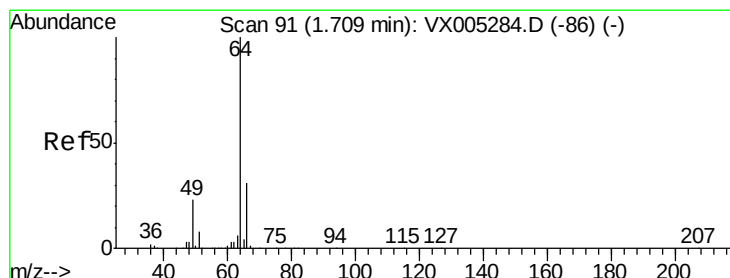
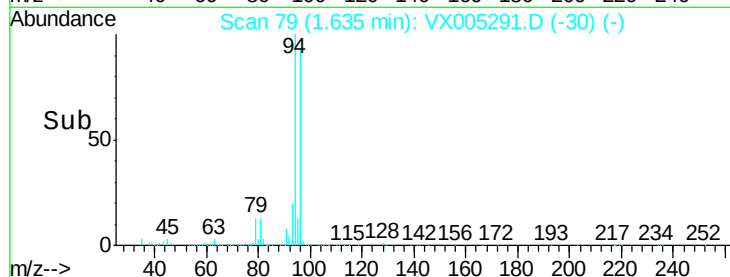
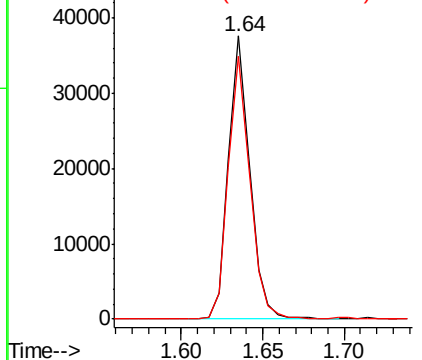
MMDadoda

10/17/2018 9:04:49 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.52 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005291.D

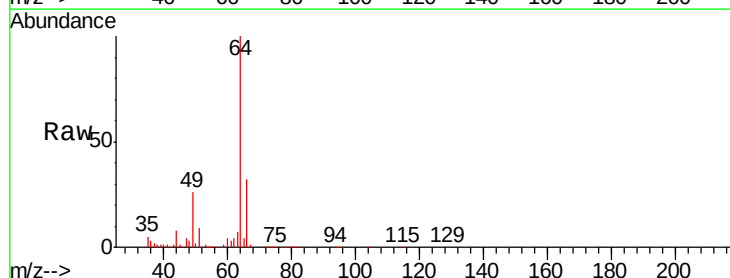
Acq: 12 Oct 2018 14:18

Tgt Ion: 64 Resp: 37362

Ion Ratio Lower Upper

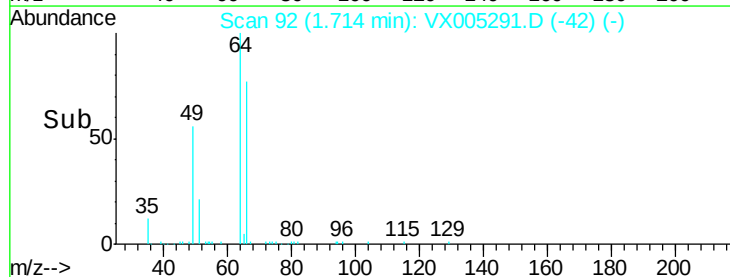
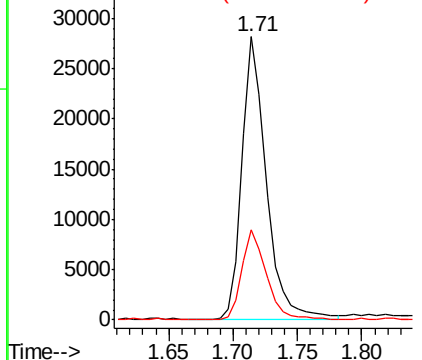
64 100

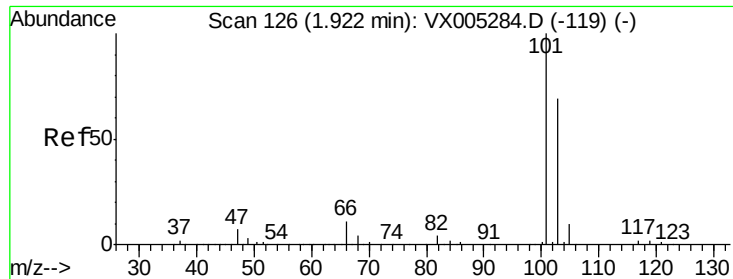
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

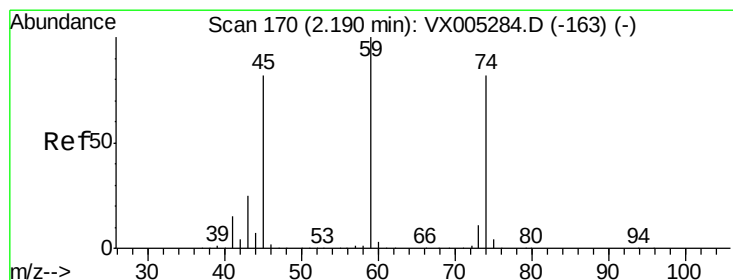
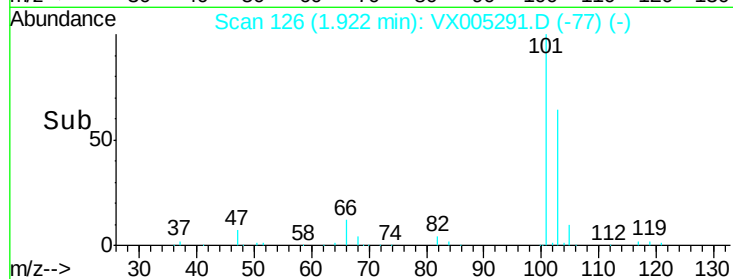
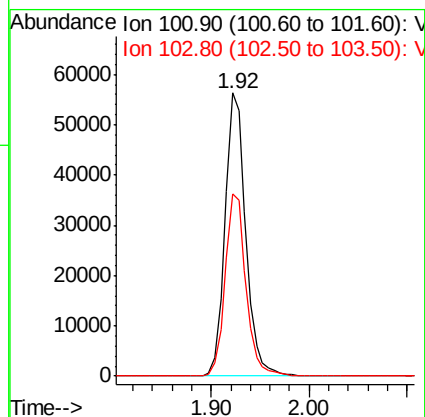
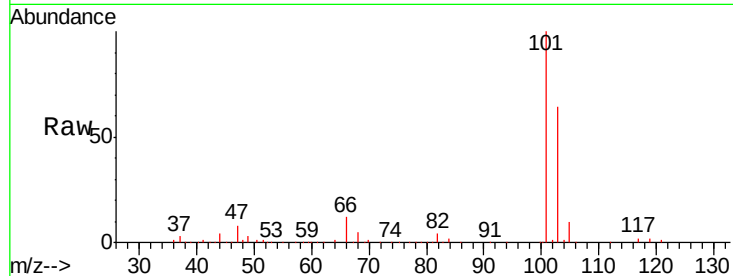
Trichlorofluoromethane
Concen: 20.11 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion:101 Resp: 82779
Ion Ratio Lower Upper
101 100
103 64.3 48.9 73.3

Manual Integrations
APPROVED

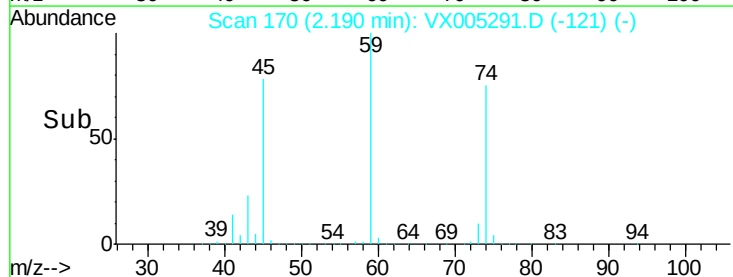
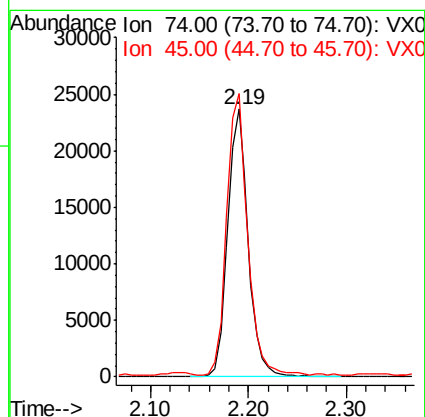
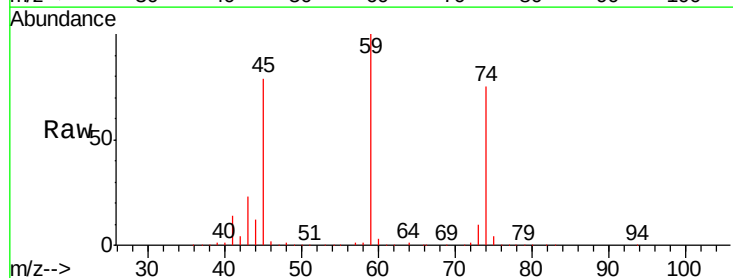
MMDadoda
10/17/2018 9:04:49 AM

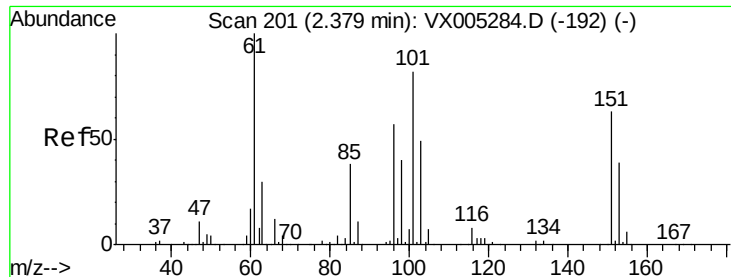


#8

Diethyl Ether
Concen: 19.60 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion: 74 Resp: 34441
Ion Ratio Lower Upper
74 100
45 106.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.90 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

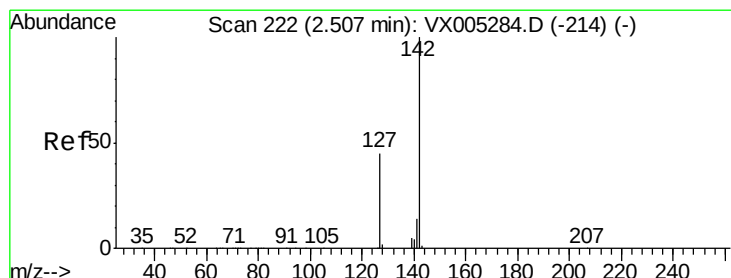
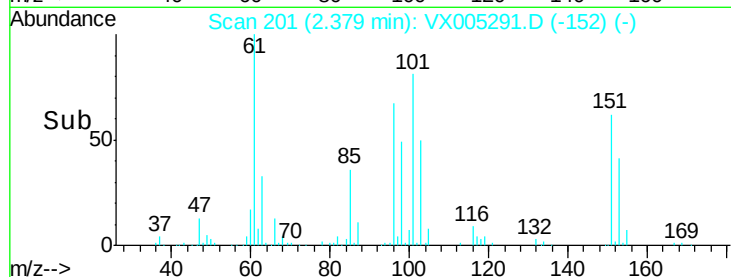
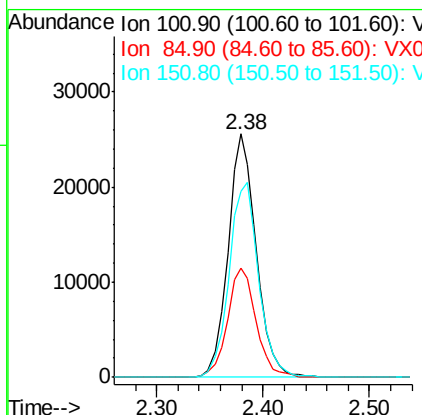
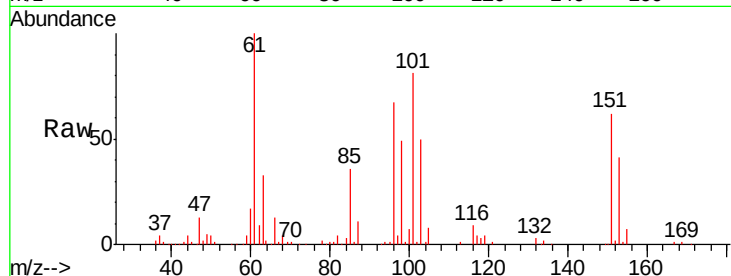
ClientSampleId :

VX1012WBS01

Tgt Ion:	101	Resp:	47264
Ion Ratio	Lower	Upper	
101	100		
85	45.9	34.2	51.4
151	84.3	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#10

Methyl Iodide

Concen: 16.65 ug/l

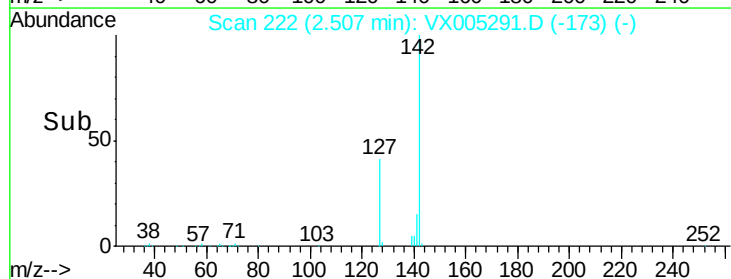
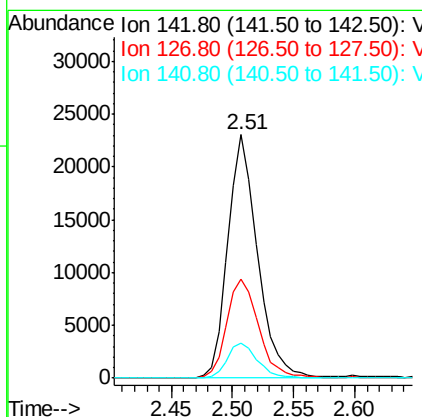
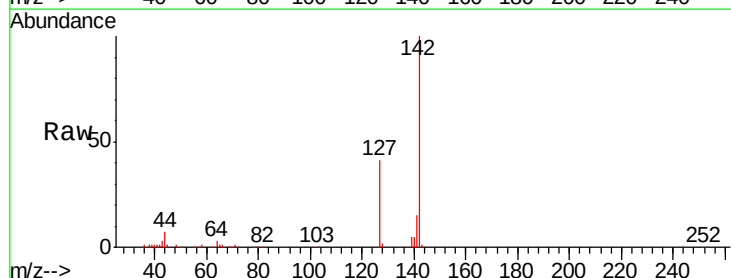
RT: 2.51 min Scan# 222

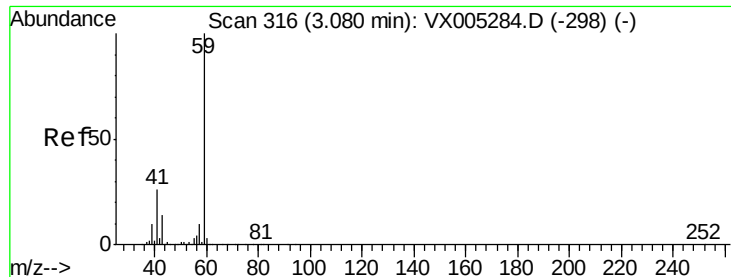
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	142	Resp:	38815
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.8	50.6
141	14.9	11.4	17.0





#11

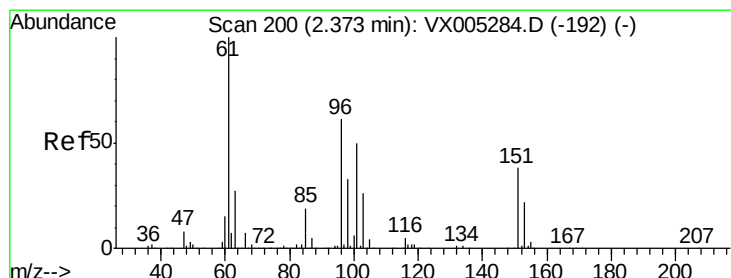
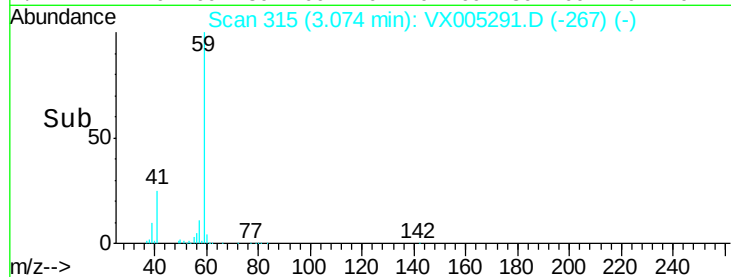
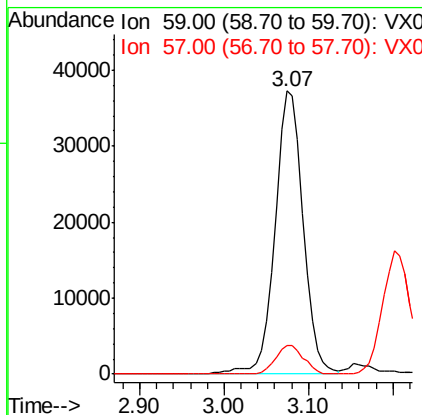
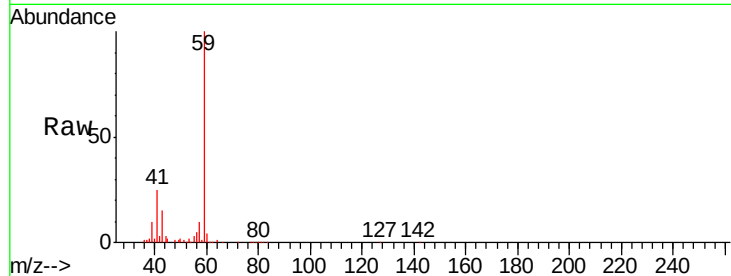
Tert butyl alcohol
Concen: 102.68 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
APPROVED

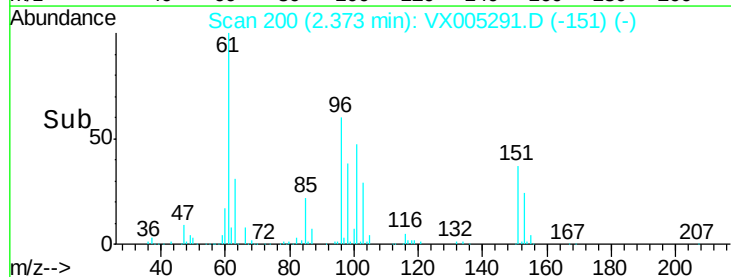
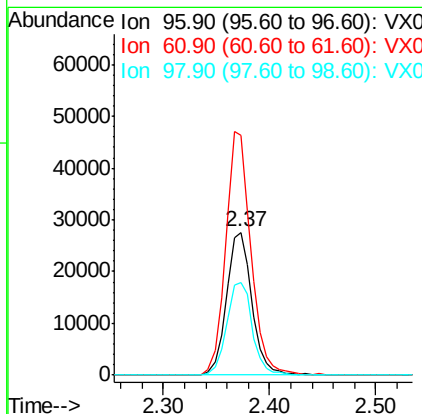
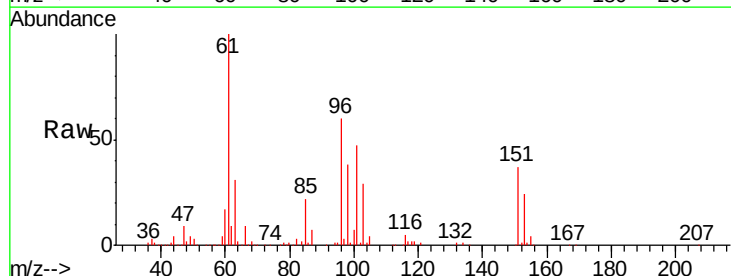
MMDadoda
10/17/2018 9:04:49 AM

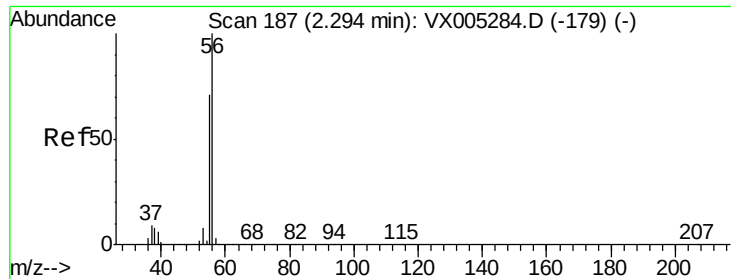


#12

1,1-Dichloroethene
Concen: 19.59 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	128.8	193.2
98	64.5	52.2	78.2





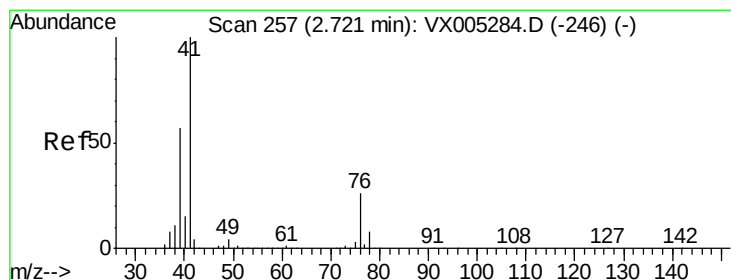
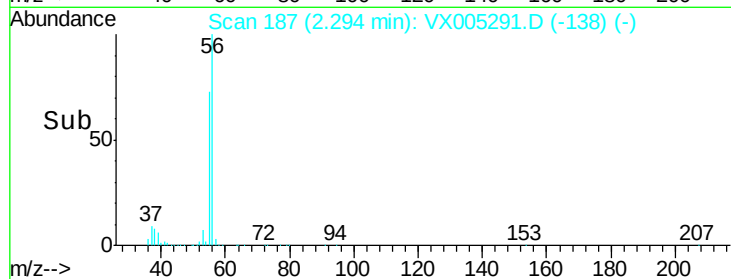
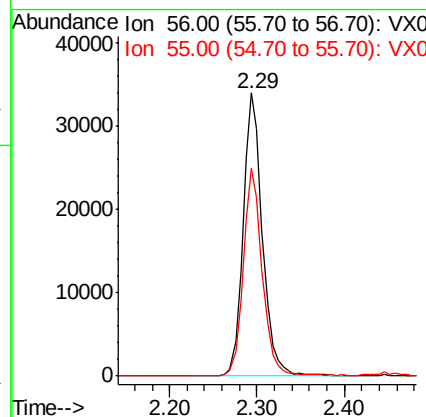
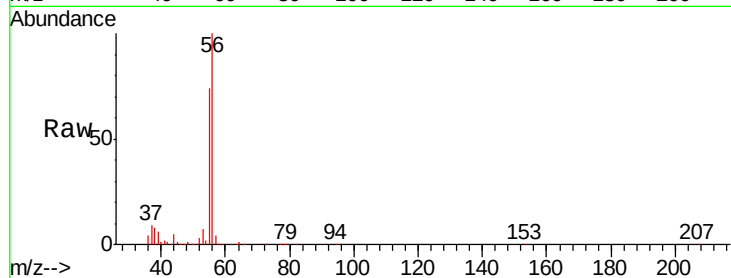
#13
Acrolein
Concen: 96.35 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.4	54.7	82.1

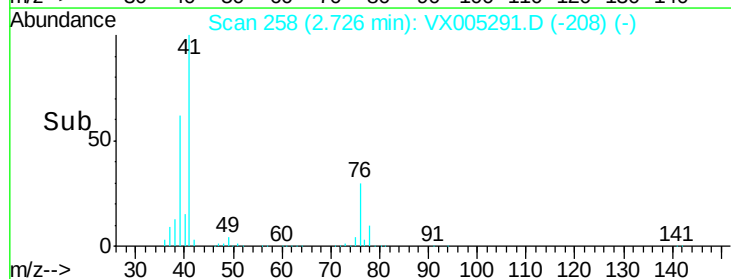
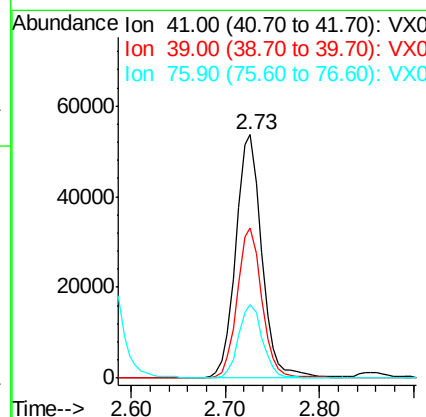
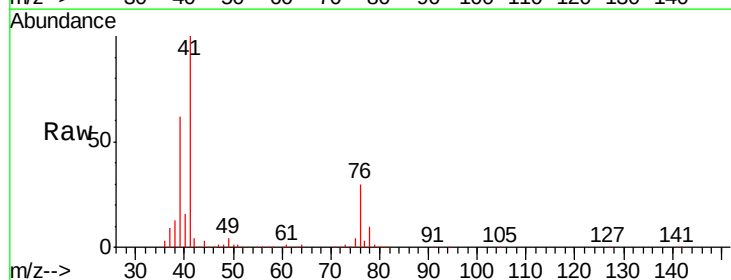
Manual Integrations
APPROVED

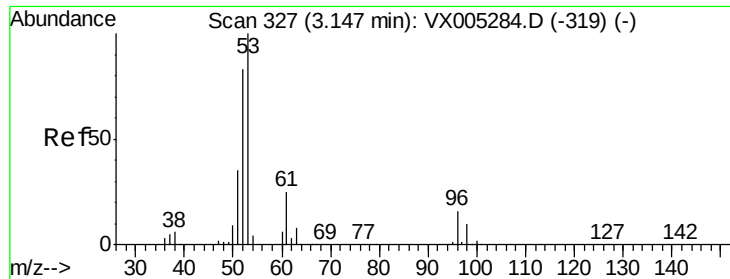
MMDadoda
10/17/2018 9:04:49 AM



#14
Allyl chloride
Concen: 19.87 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.7	48.9	73.3
76	28.3	26.7	40.1





#15

Acrylonitrile

Concen: 97.06 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

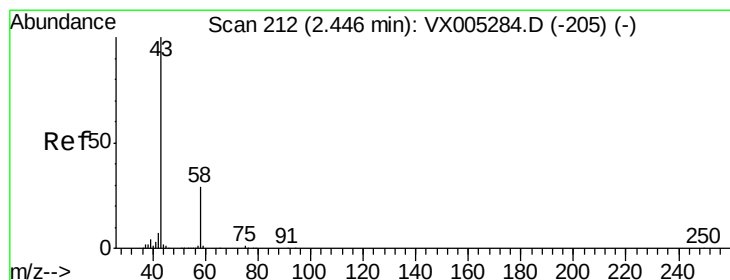
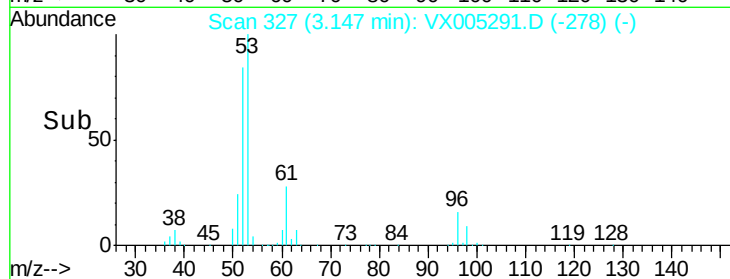
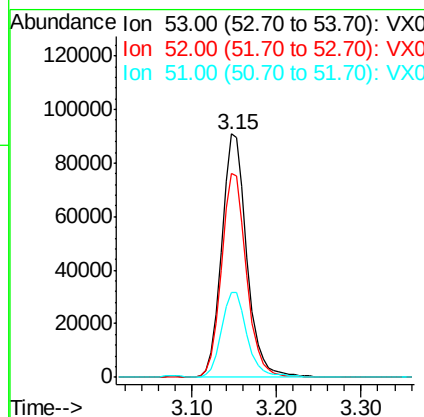
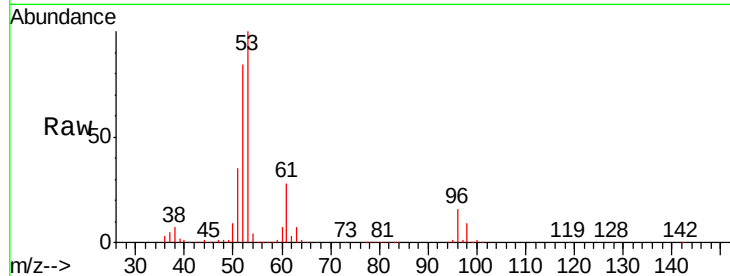
ClientSampleId :

VX1012WBS01

Tgt Ion:	53	Resp:	185036
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.2	97.8
51	36.2	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#16

Acetone

Concen: 101.18 ug/l

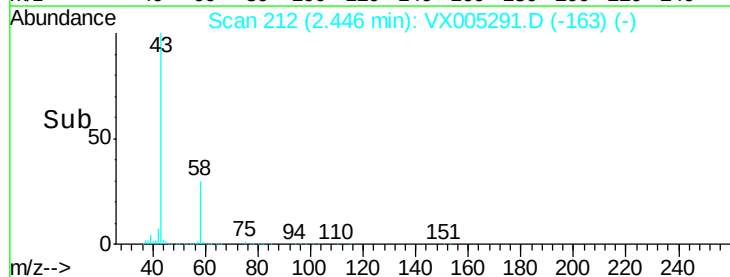
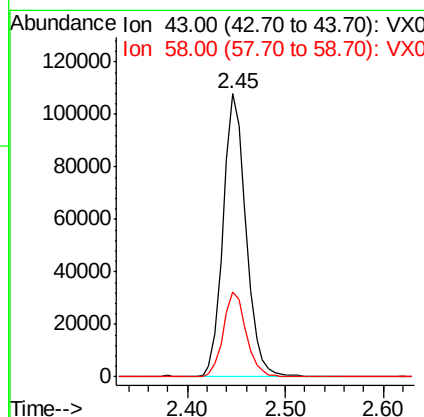
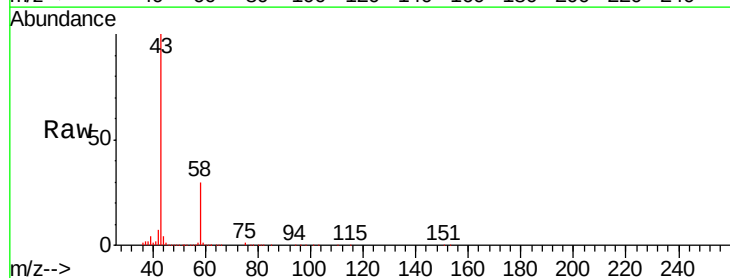
RT: 2.45 min Scan# 212

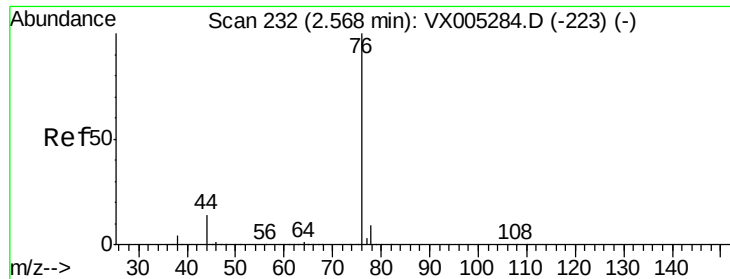
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	43	Resp:	174477
Ion	Ratio	Lower	Upper
43	100		
58	30.0	26.2	39.4





#17

Carbon Disulfide

Concen: 18.86 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 76 Resp: 134497

Ion Ratio Lower Upper

76 100

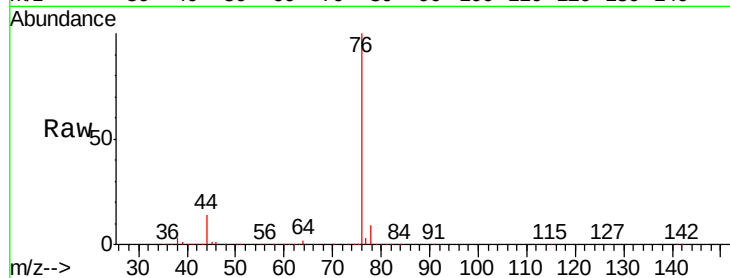
78 9.2 7.0 10.6

Manual Integrations

APPROVED

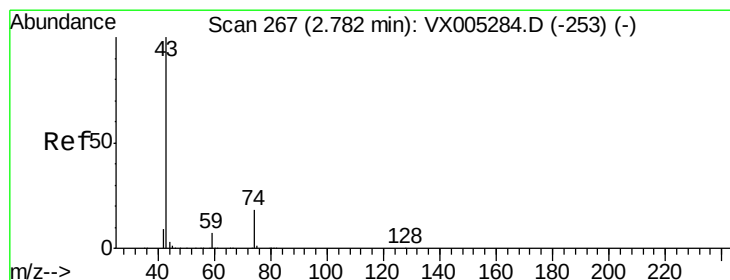
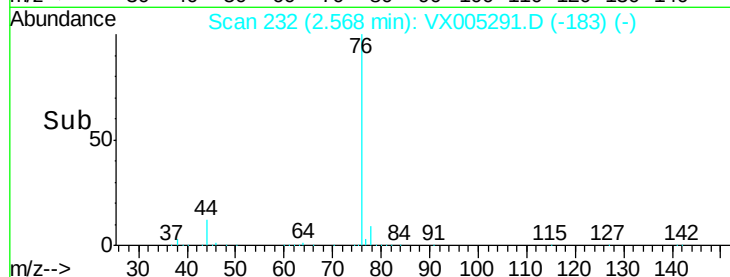
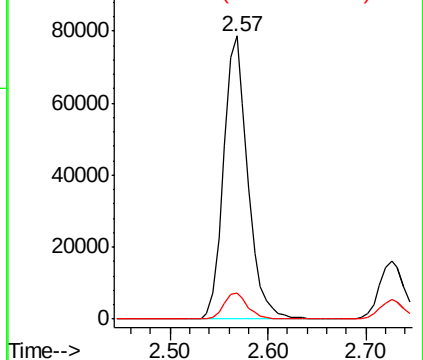
MMDadoda

10/17/2018 9:04:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.27 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005291.D

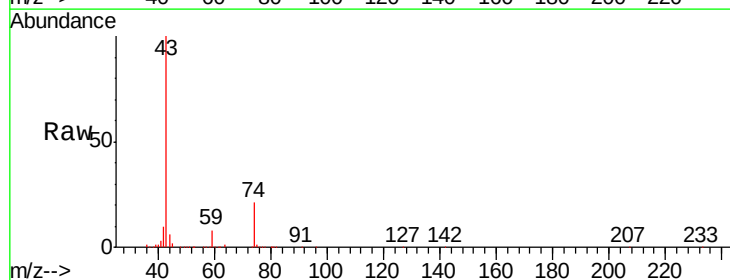
Acq: 12 Oct 2018 14:18

Tgt Ion: 43 Resp: 99439

Ion Ratio Lower Upper

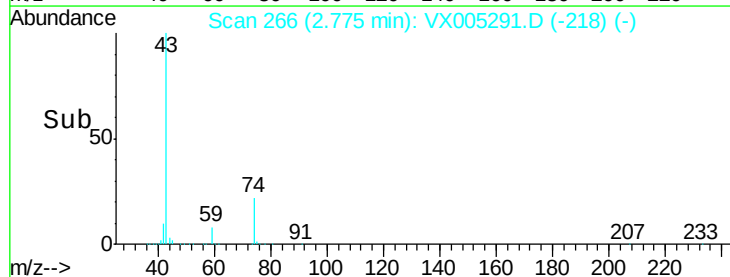
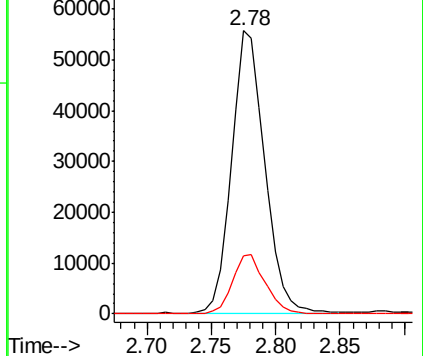
43 100

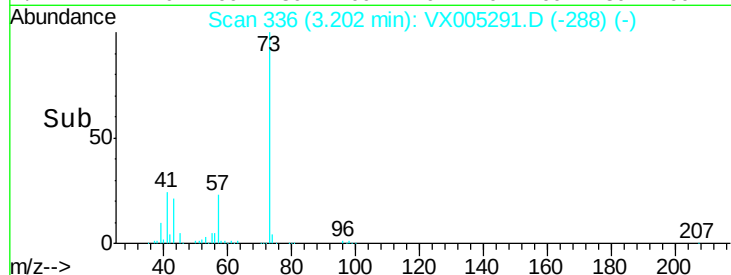
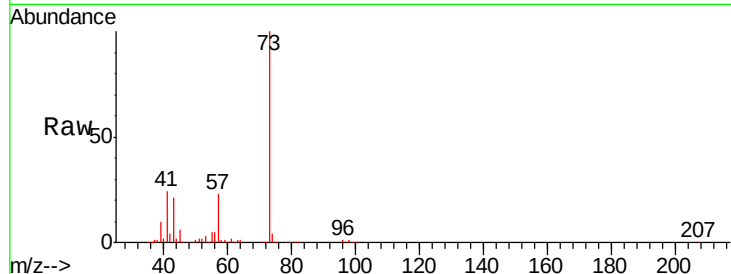
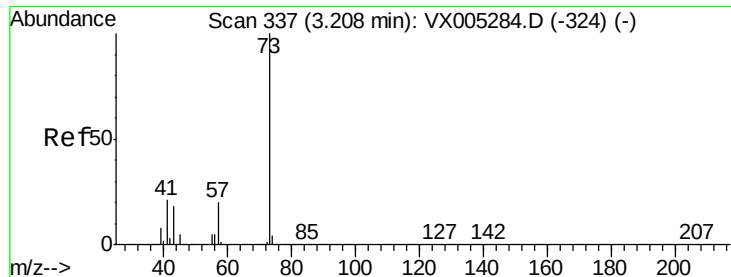
74 20.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 20.08 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	166437		
57	23.5	17.1	25.7	

Instrument :

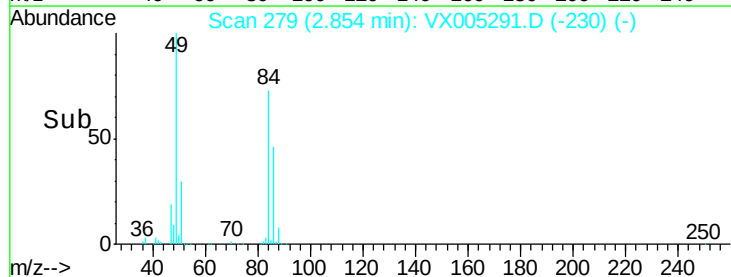
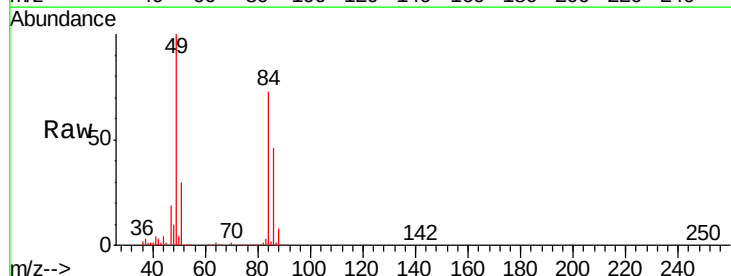
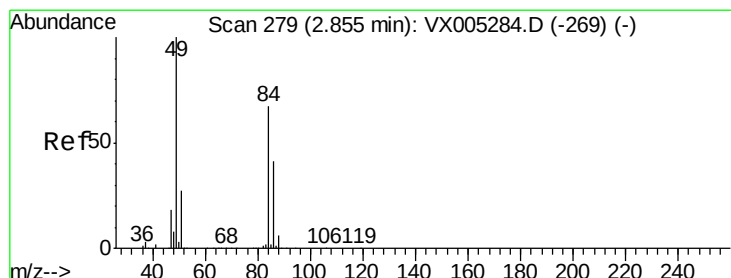
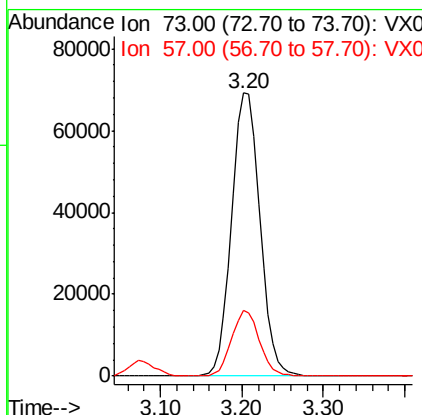
MSVOA_X

ClientSampleId :

VX1012WBS01

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#20

Methylene Chloride

Concen: 20.71 ug/l

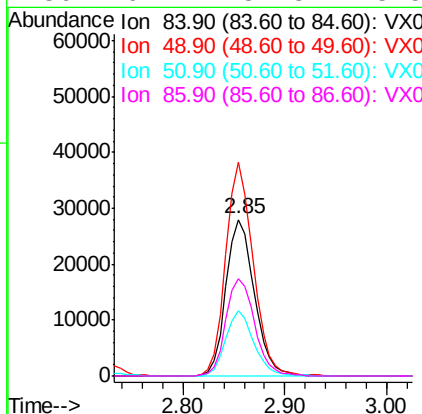
RT: 2.85 min Scan# 279

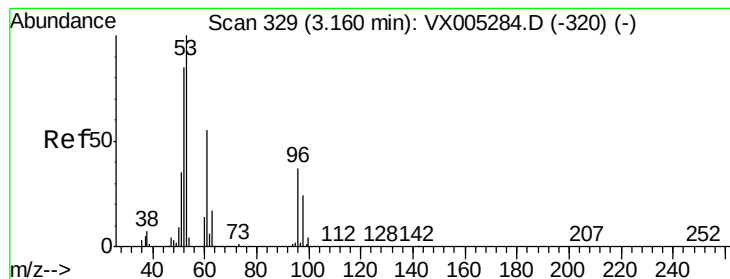
Delta R.T. 0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	53963		
49	136.3	101.2	151.8	
51	41.0	29.5	44.3	
86	62.2	52.3	78.5	





#21

trans-1,2-Dichloroethene

Concen: 19.14 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

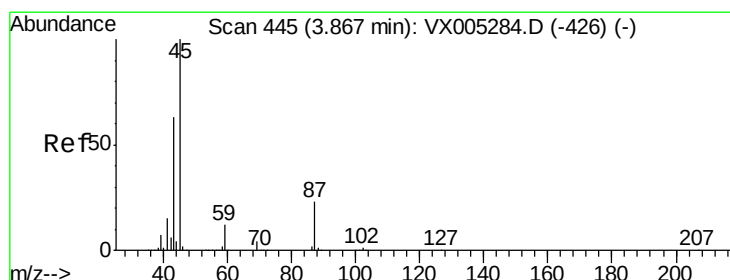
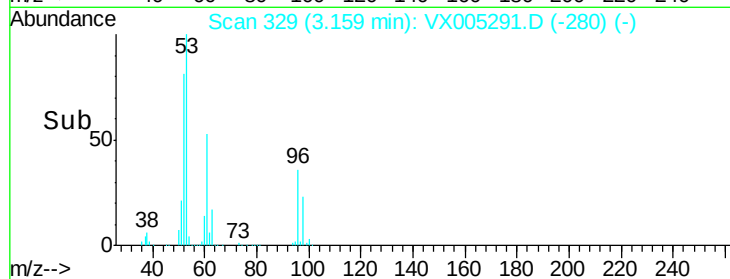
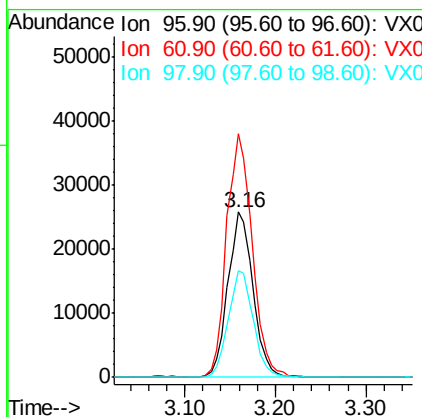
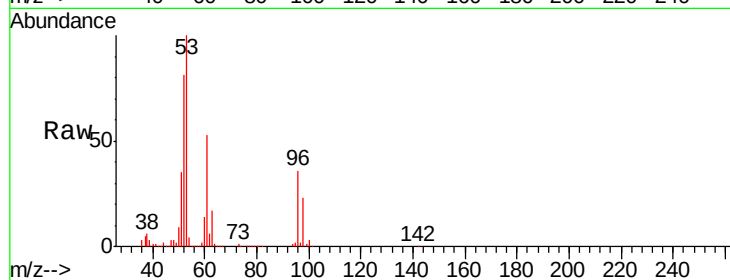
ClientSampleId :

VX1012WBS01

Tgt Ion:	96	Resp:	49932
Ion	Ratio	Lower	Upper
96	100		
61	147.2	113.8	170.6
98	64.5	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#22

Diisopropyl ether

Concen: 18.67 ug/l

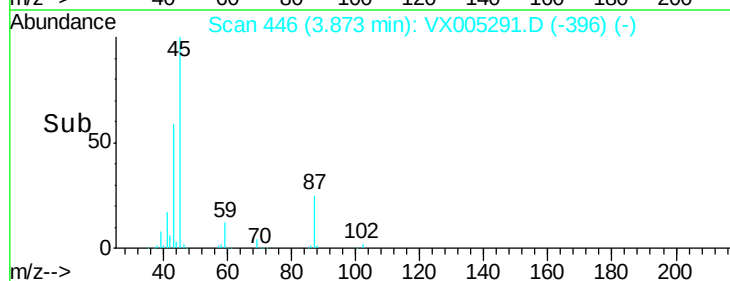
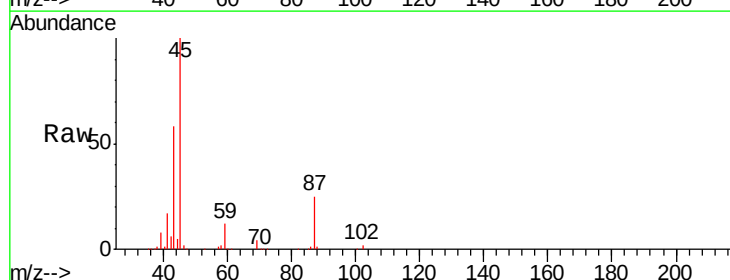
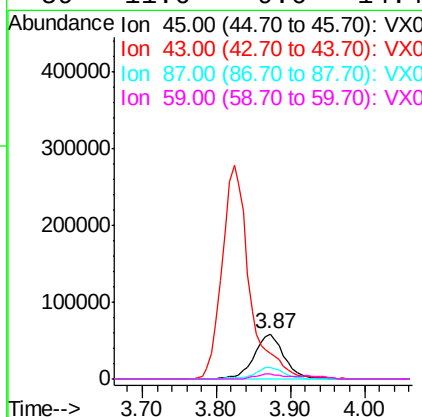
RT: 3.87 min Scan# 446

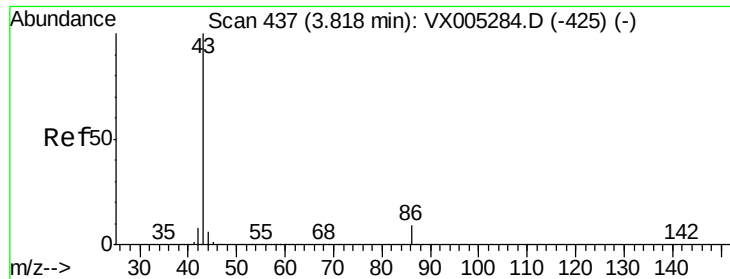
Delta R.T. 0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	45	Resp:	162050
Ion	Ratio	Lower	Upper
45	100		
43	58.2	42.8	64.2
87	25.1	22.6	34.0
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 95.24 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 43 Resp: 722437

Ion Ratio Lower Upper

43 100

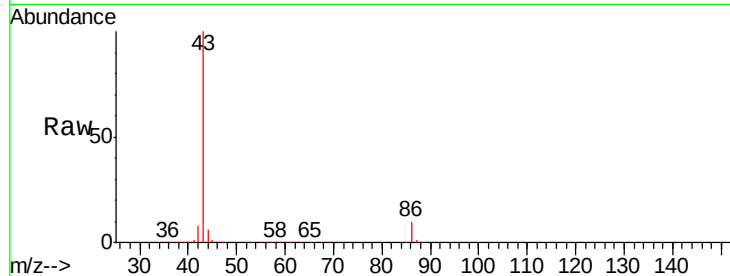
86 9.6 8.9 13.3

Manual Integrations

APPROVED

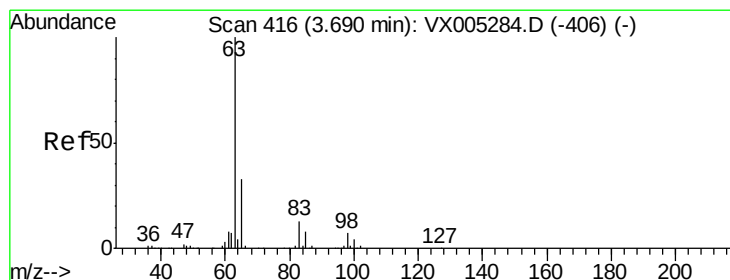
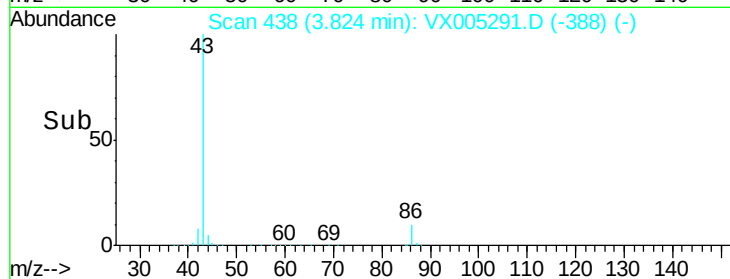
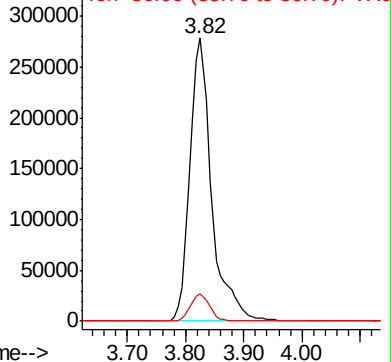
MMDadoda

10/17/2018 9:04:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.08 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

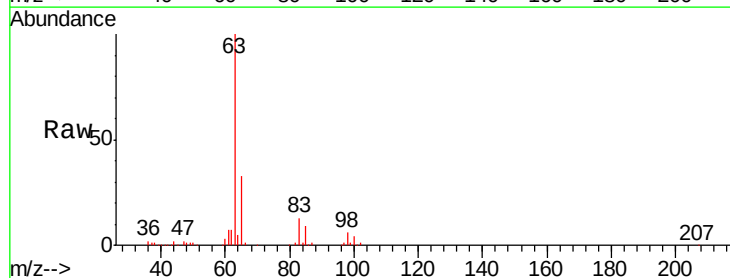
Tgt Ion: 63 Resp: 94929

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

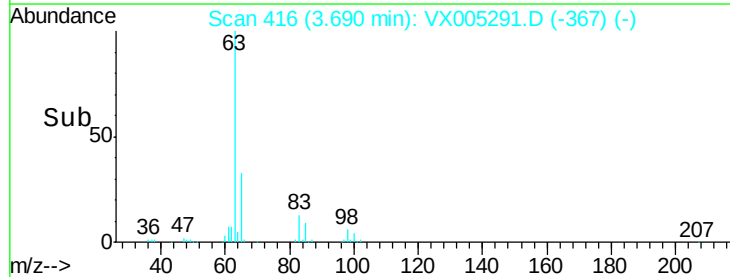
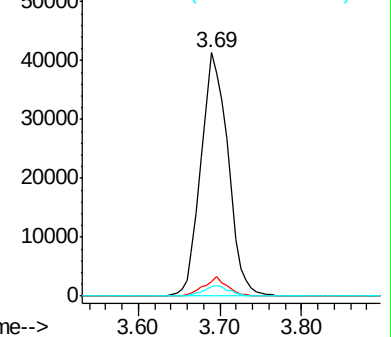
100 3.9 2.4 7.1

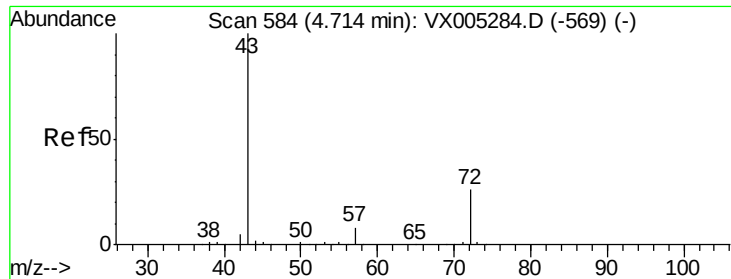


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 95.97 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 43 Resp: 242116

Ion Ratio Lower Upper

43 100

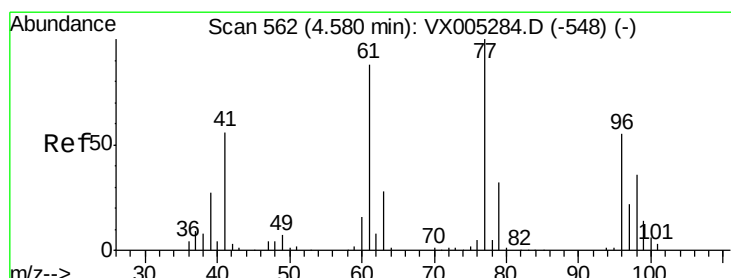
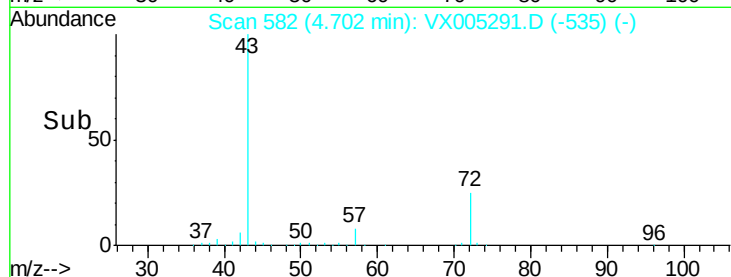
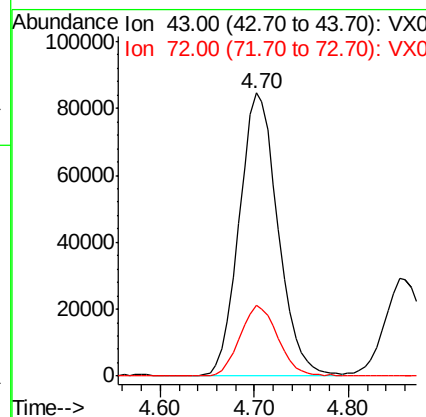
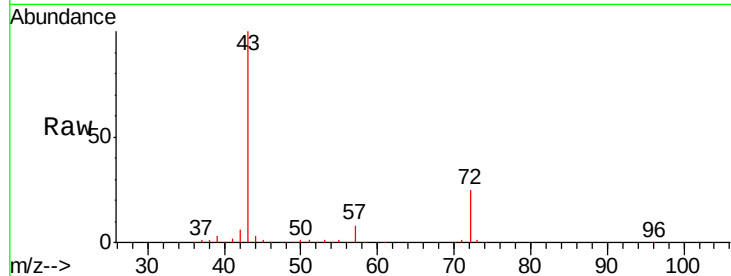
72 25.0 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:04:49 AM



#26

2,2-Dichloropropane

Concen: 19.75 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005291.D

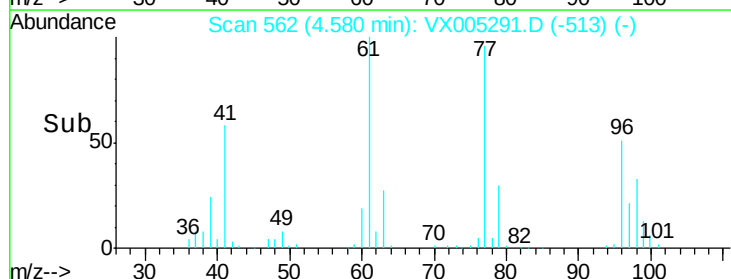
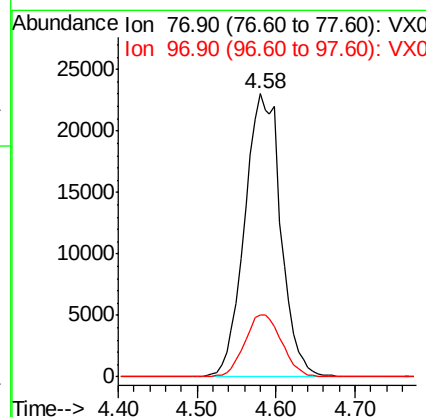
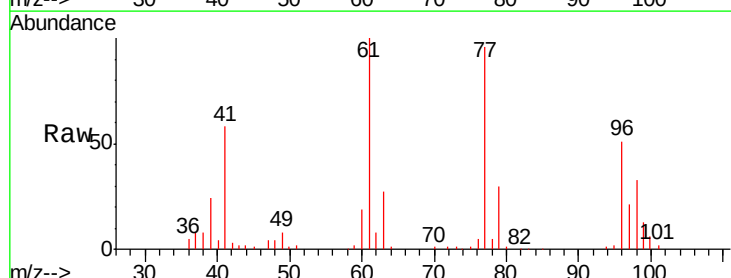
Acq: 12 Oct 2018 14:18

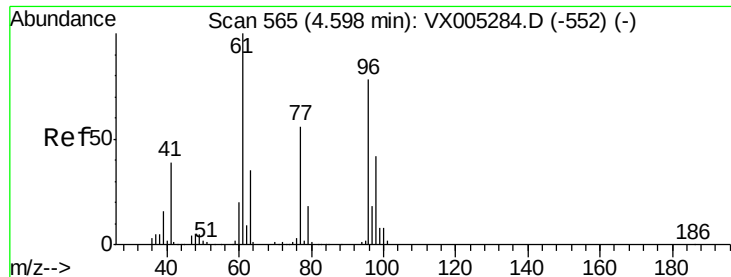
Tgt Ion: 77 Resp: 73458

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 18.03 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

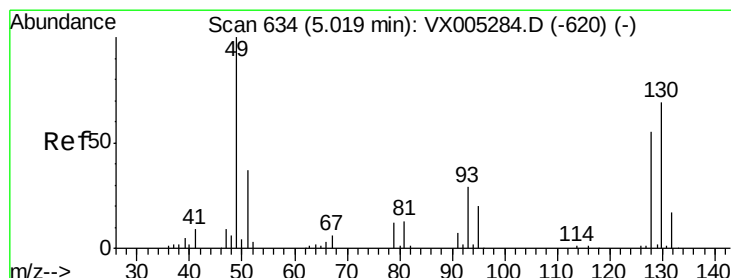
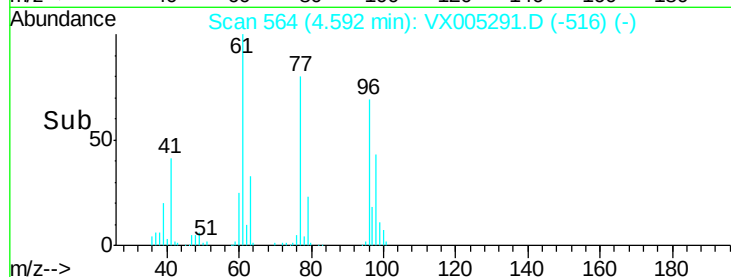
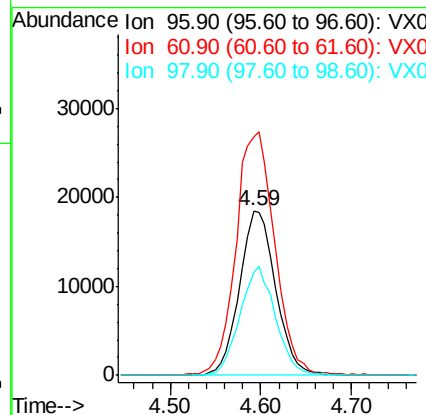
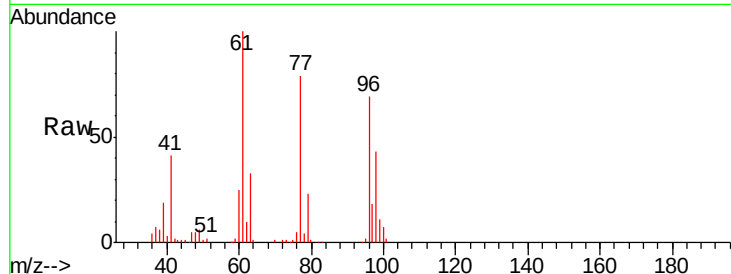
ClientSampleId :

VX1012WBS01

Tgt Ion:	96	Resp:	51097
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	282.6
98	65.1	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#28

Bromochloromethane

Concen: 18.81 ug/l

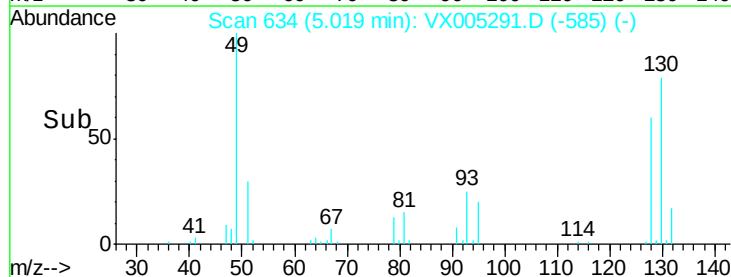
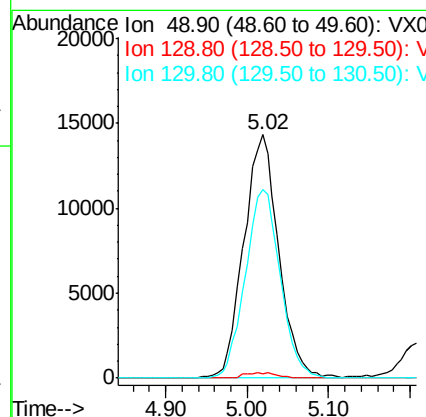
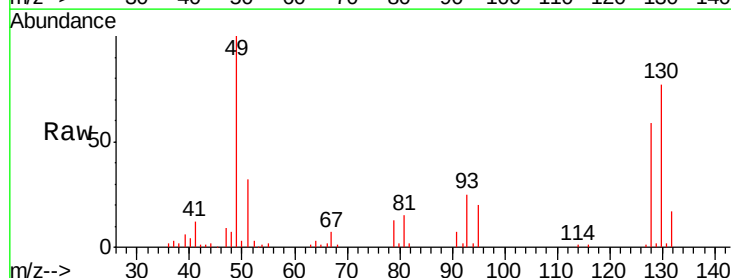
RT: 5.02 min Scan# 634

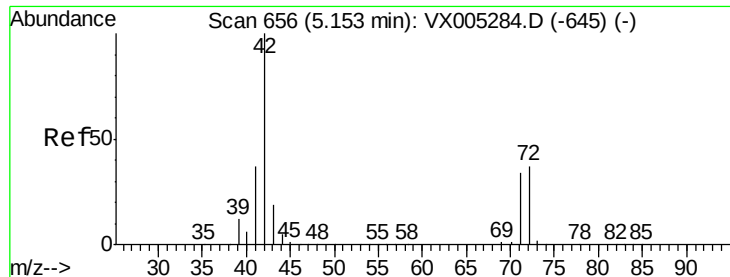
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	49	Resp:	42651
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.5	67.5	101.3





#29

Tetrahydrofuran

Concen: 96.64 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

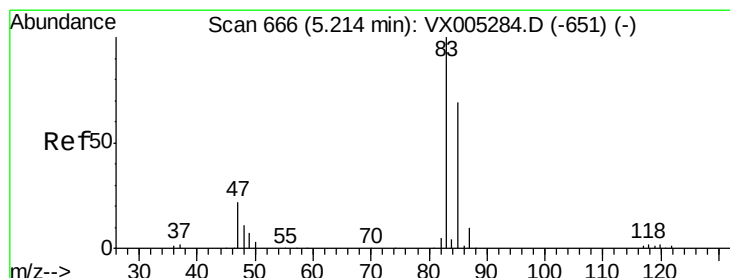
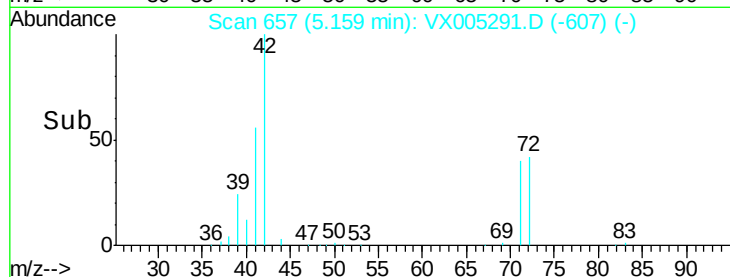
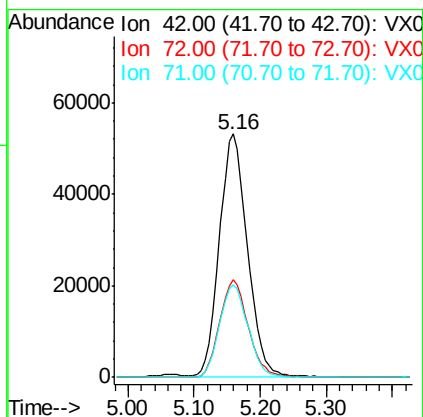
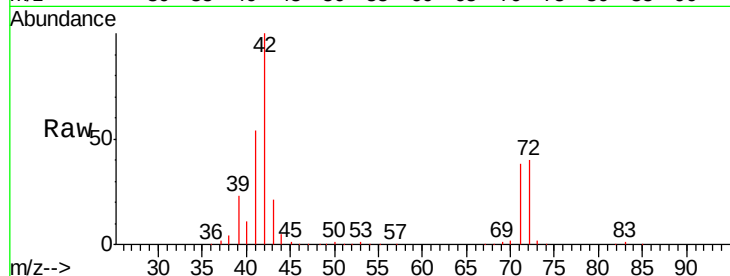
ClientSampleId :

VX1012WBS01

Tgt Ion:	42	Resp:	155516
Ion	Ratio	Lower	Upper
42	100		
72	41.0	37.4	56.0
71	39.0	34.5	51.7

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#30

Chloroform

Concen: 19.29 ug/l

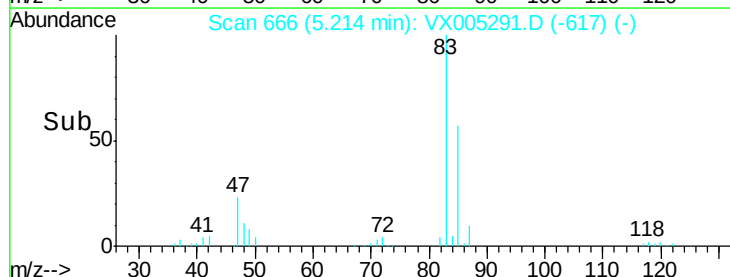
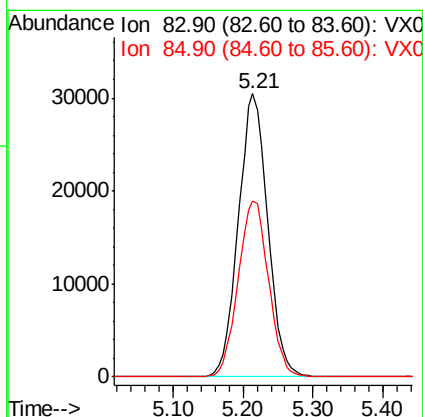
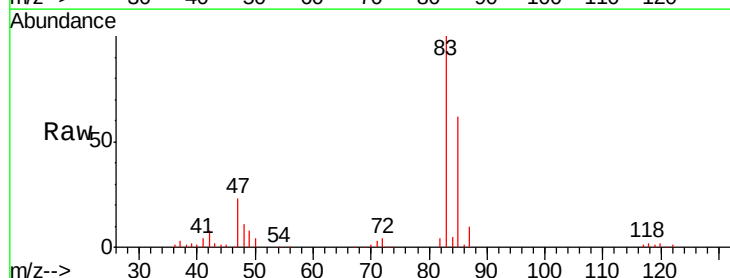
RT: 5.21 min Scan# 666

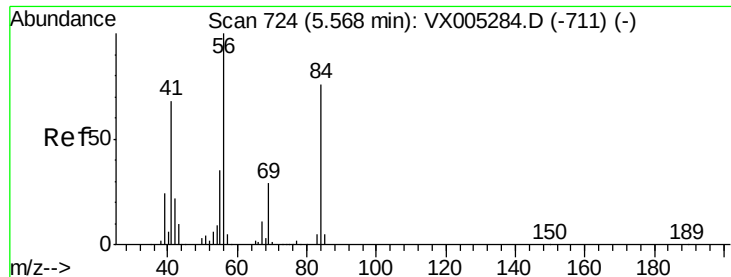
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	83	Resp:	89041
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0





#31

Cyclohexane

Concen: 18.81 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

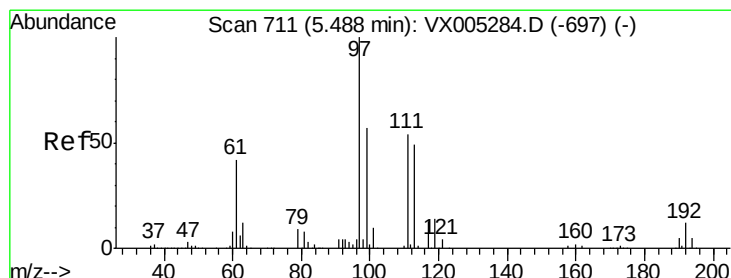
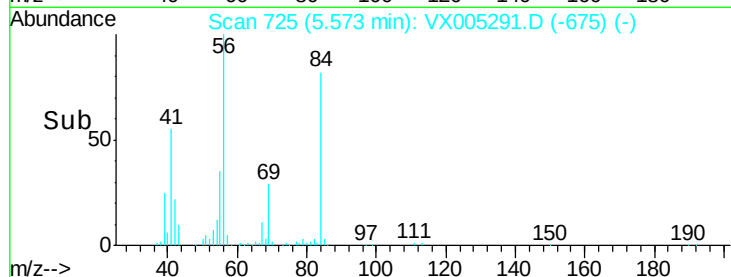
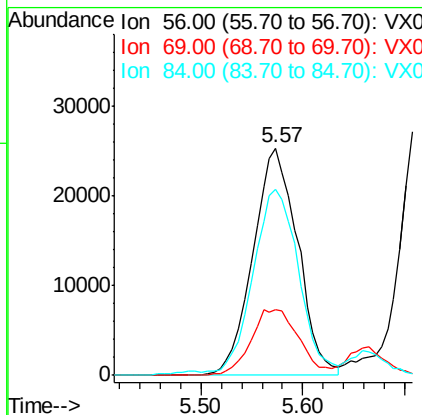
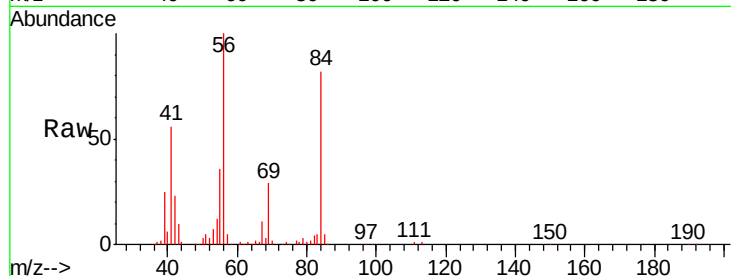
ClientSampleId :

VX1012WBS01

Tgt Ion:	56	Resp:	77111
Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.2
84	80.2	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#32

1,1,1-Trichloroethane

Concen: 19.61 ug/l

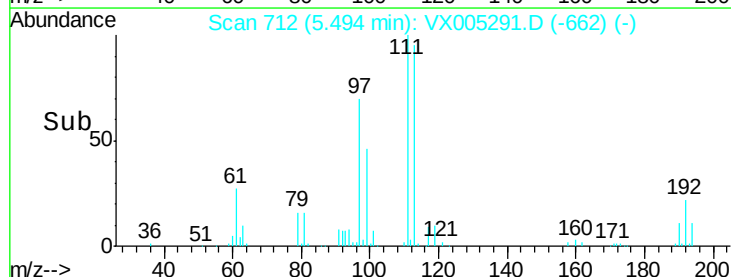
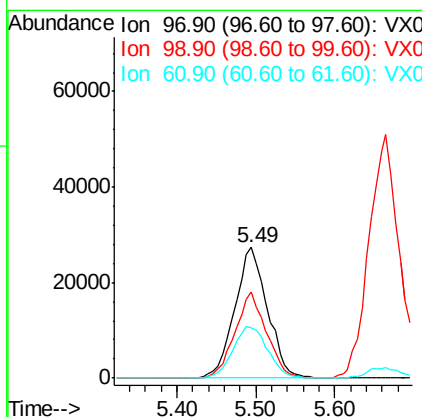
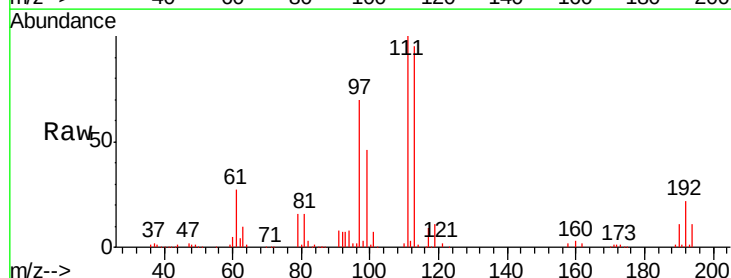
RT: 5.49 min Scan# 712

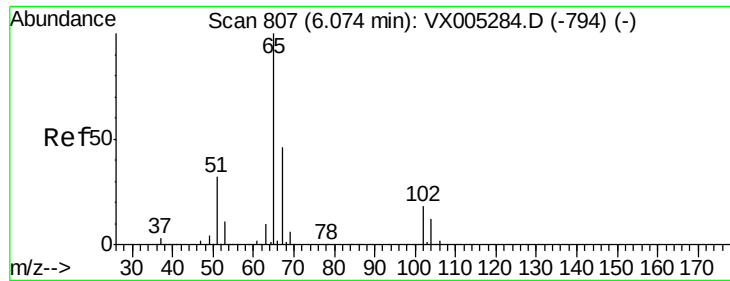
Delta R.T. 0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	97	Resp:	78797
Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.0	78.0
61	42.5	34.9	52.3





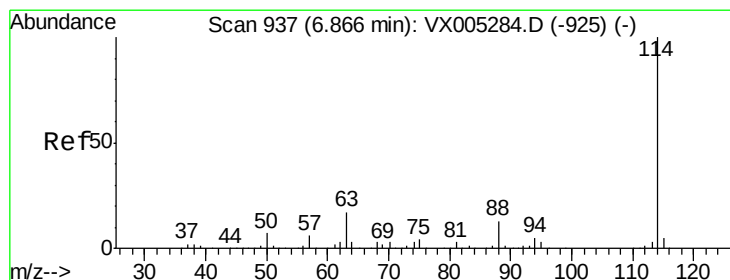
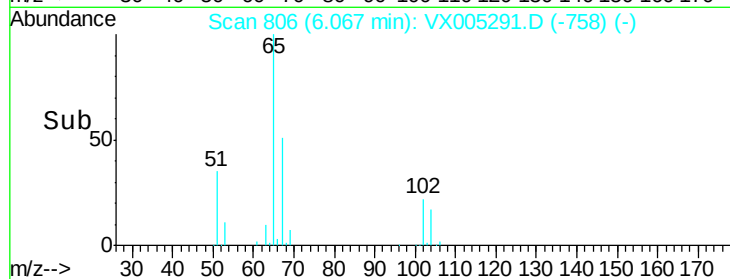
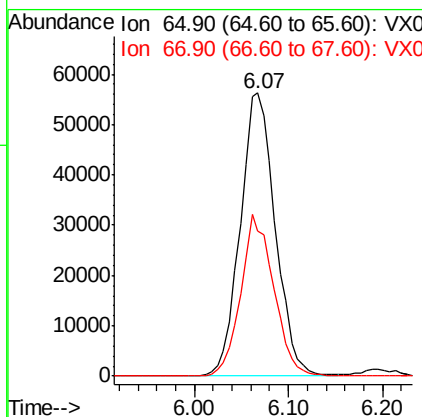
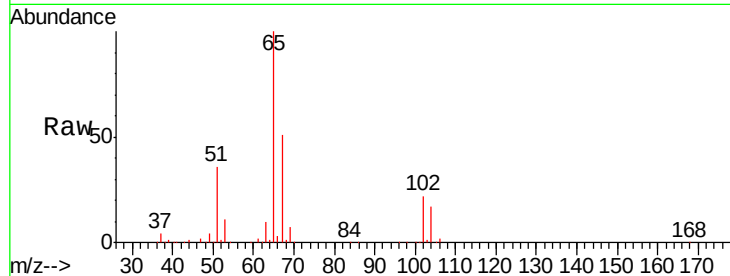
#33
 1,2-Dichloroethane-d4
 Concen: 49.15 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Tgt Ion: 65 Resp: 146582
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8

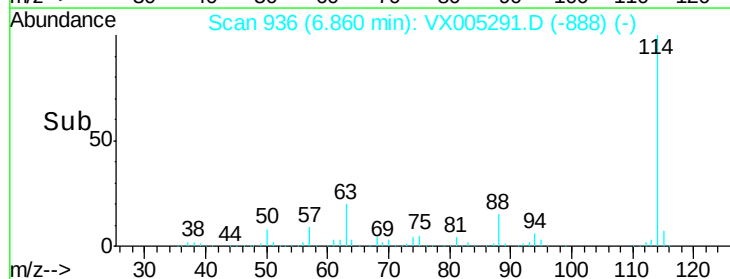
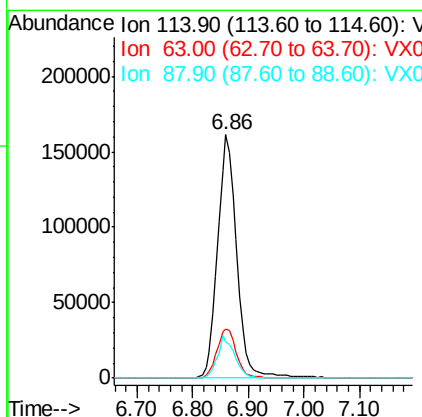
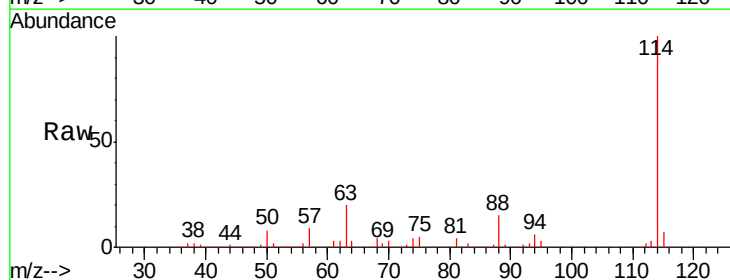
Manual Integrations
 APPROVED

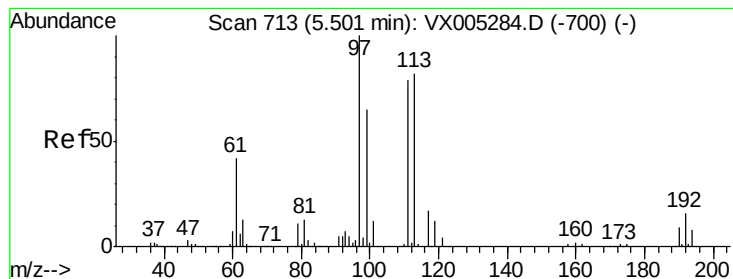
MMDadoda
 10/17/2018 9:04:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Tgt Ion: 114 Resp: 386346
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 45.23 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

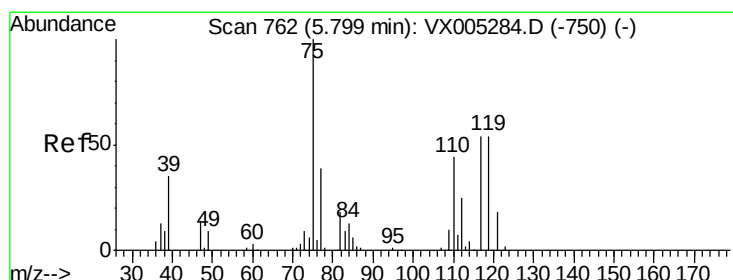
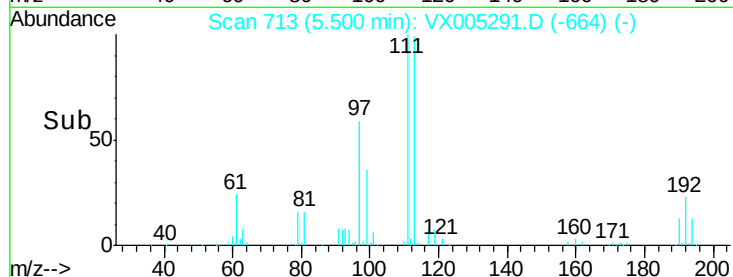
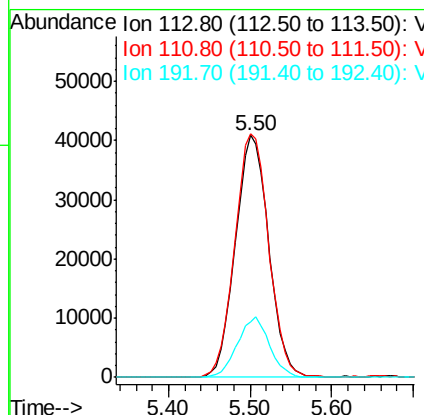
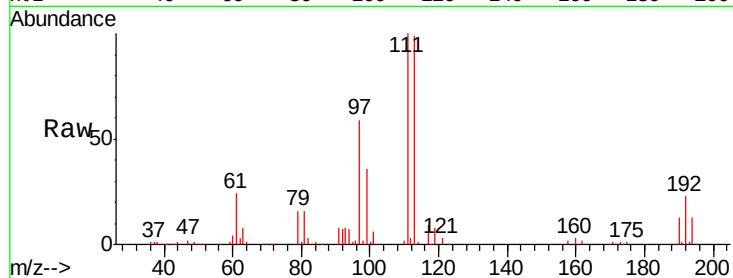
ClientSampleId :

VX1012WBS01

Tgt Ion:	113	Resp:	115735
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.4	123.6
192	24.0	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#36

1,1-Dichloropropene

Concen: 17.67 ug/l

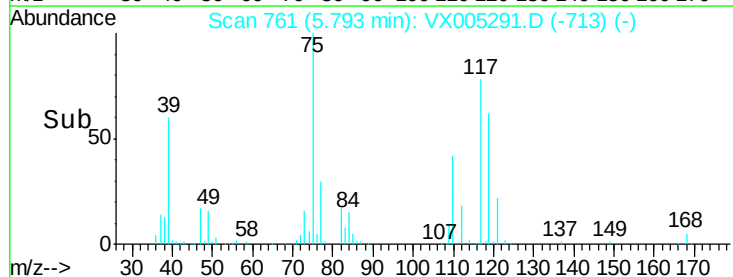
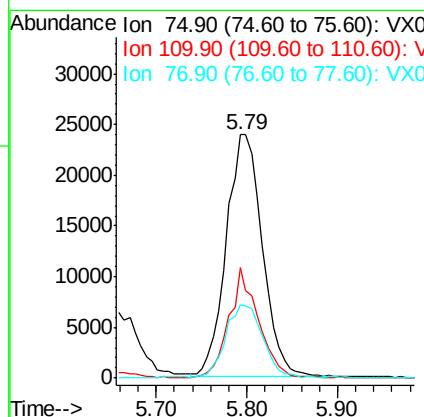
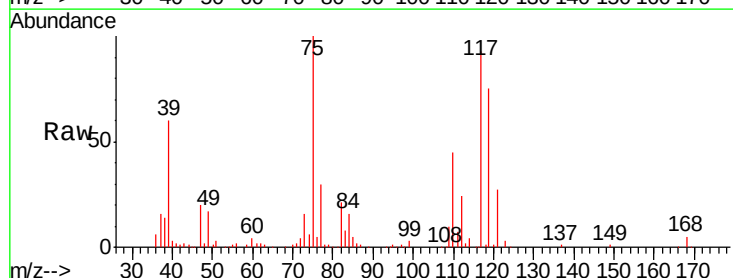
RT: 5.79 min Scan# 761

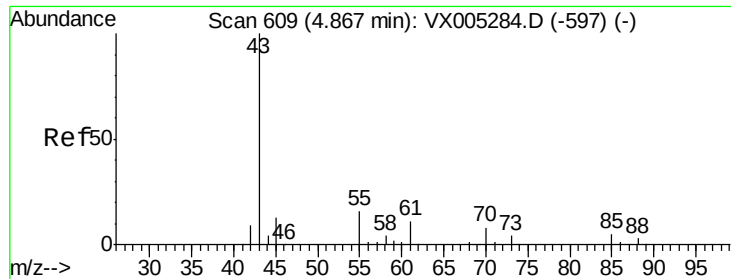
Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	75	Resp:	66106
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.0	54.0
77	31.5	24.6	36.8





#37

Ethyl Acetate

Concen: 17.70 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

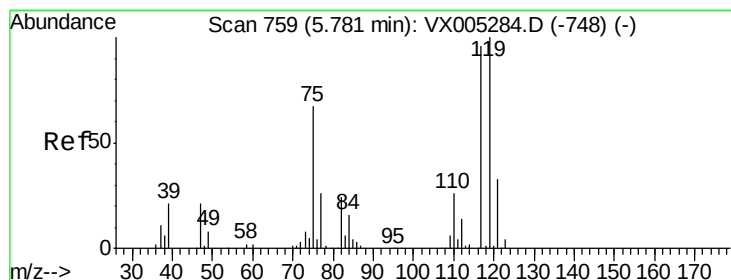
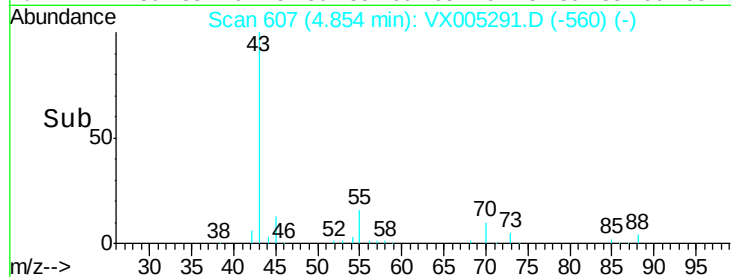
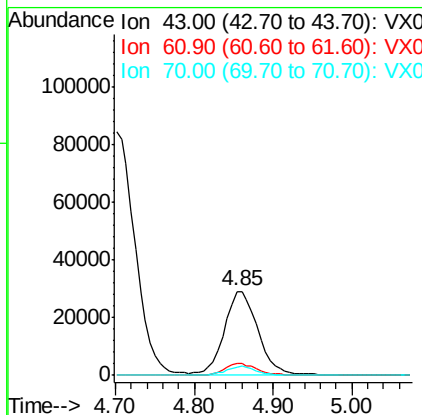
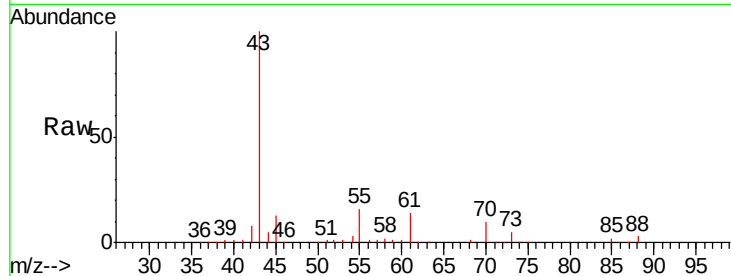
ClientSampleId :

VX1012WBS01

Tgt Ion:	43	Resp:	85189
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#38

Carbon Tetrachloride

Concen: 18.89 ug/l

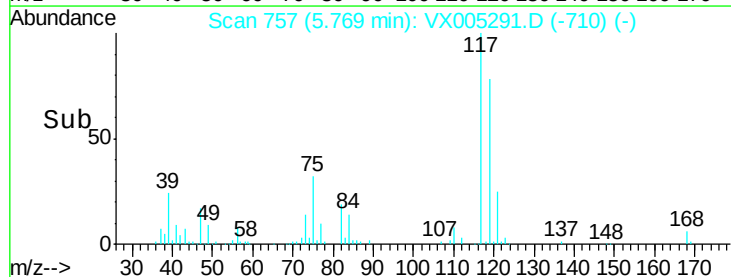
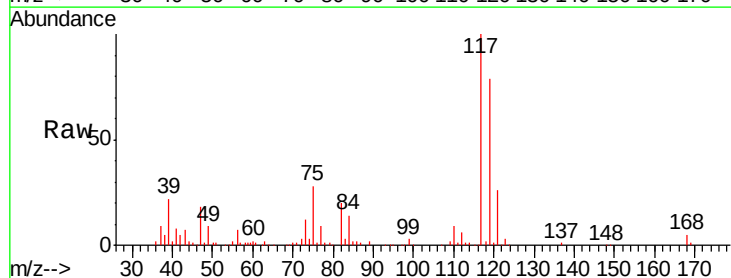
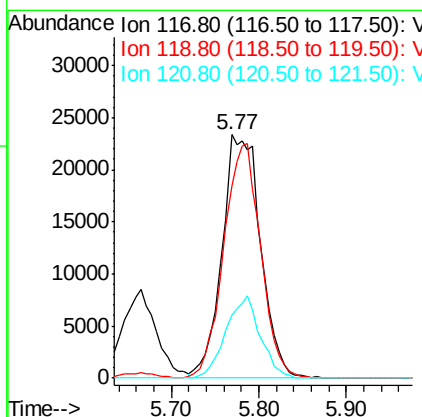
RT: 5.77 min Scan# 757

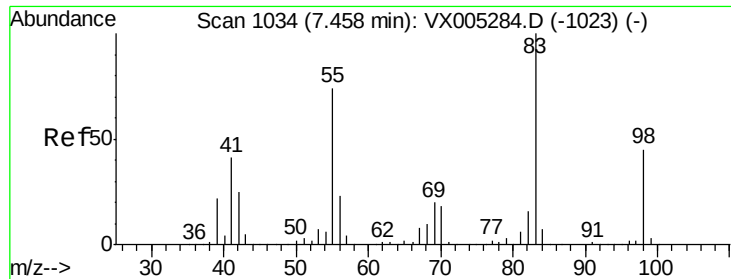
Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	117	Resp:	71008
Ion	Ratio	Lower	Upper
117	100		
119	78.7	78.8	118.2#
121	26.2	24.9	37.3





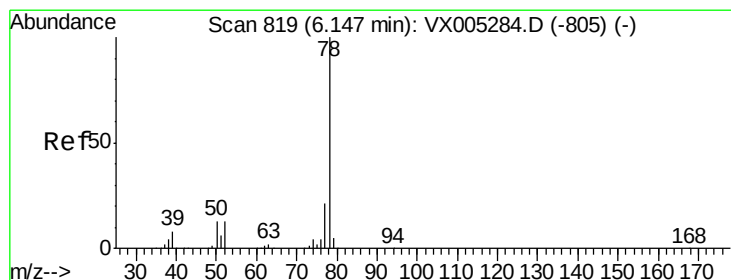
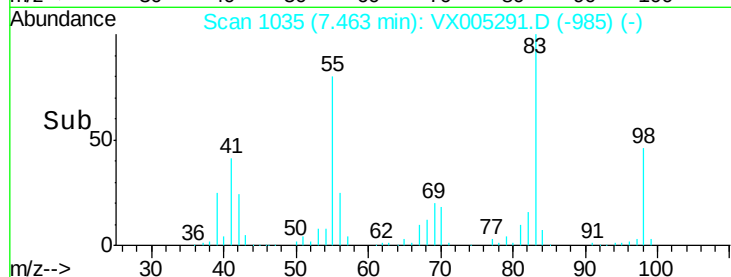
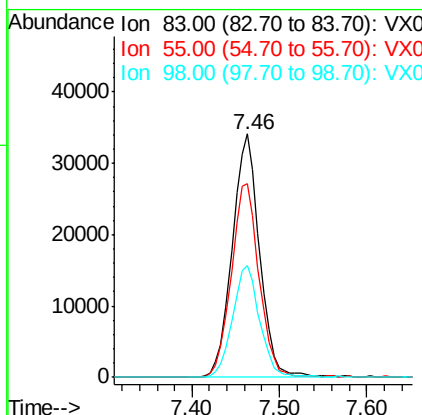
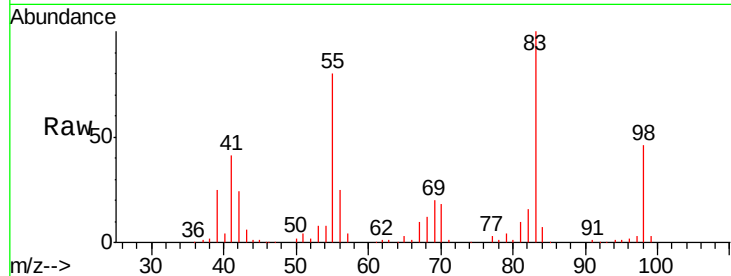
#39
Methylcyclohexane
Concen: 18.29 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.0	91.4
98	45.9	39.6	59.4

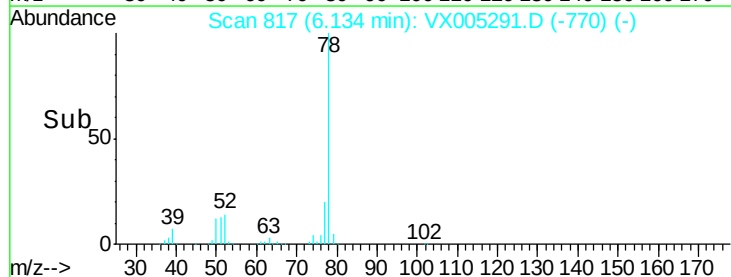
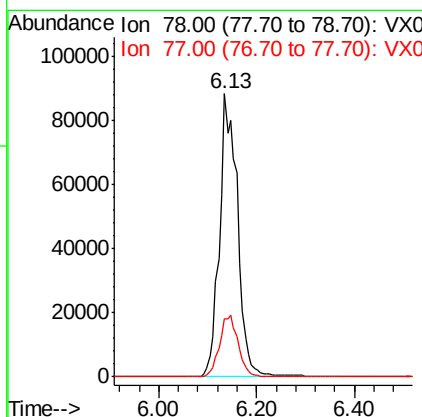
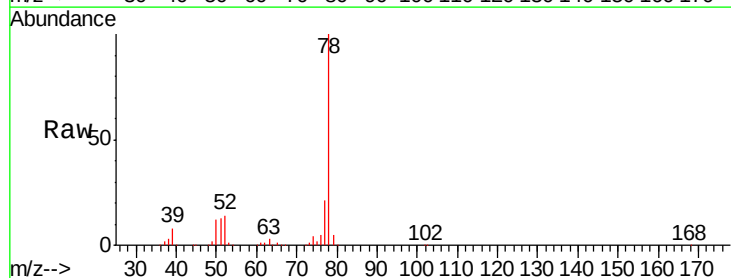
Manual Integrations
APPROVED

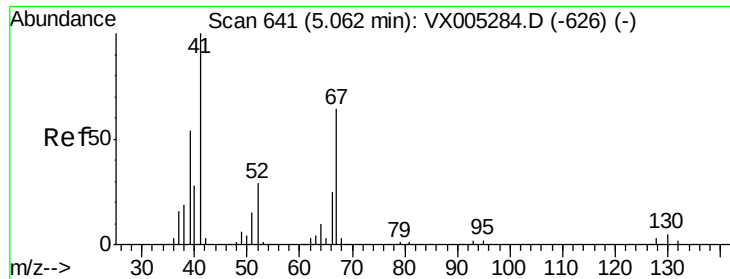
MMDadoda
10/17/2018 9:04:49 AM



#40
Benzene
Concen: 20.17 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.0	28.4





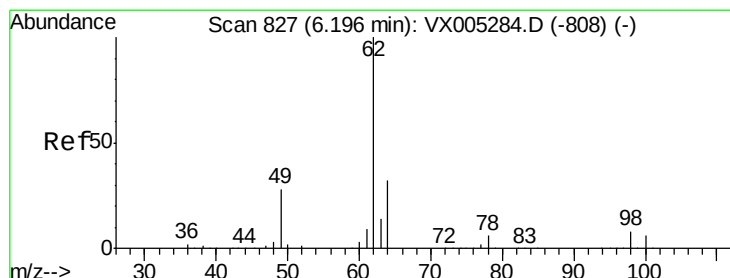
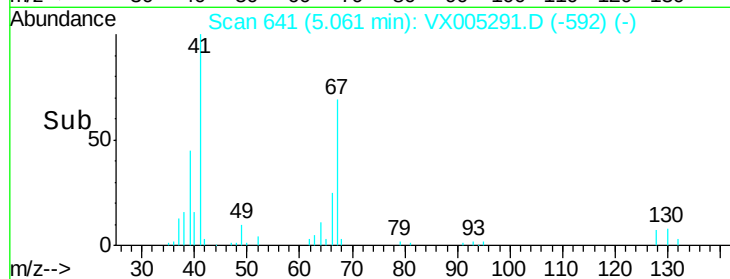
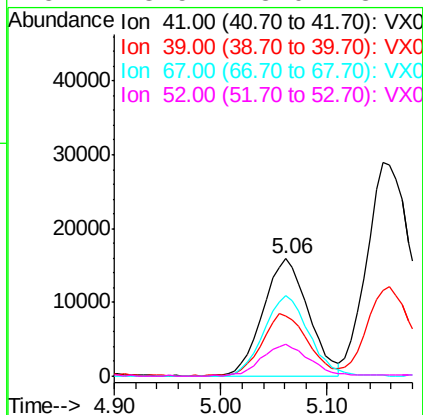
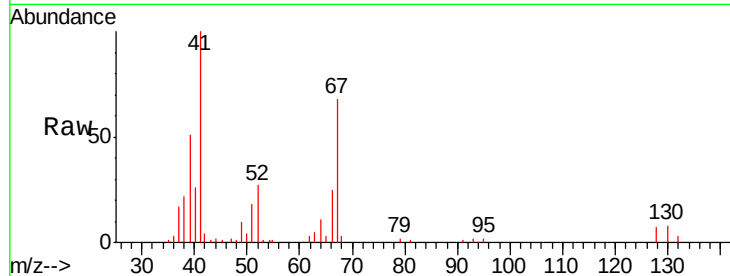
#41
Methacrylonitrile
Concen: 18.41 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.4	63.6	
67	68.0	59.2	88.8	
52	28.5	23.0	34.4	

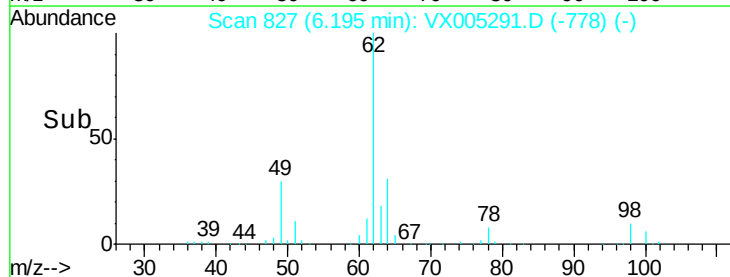
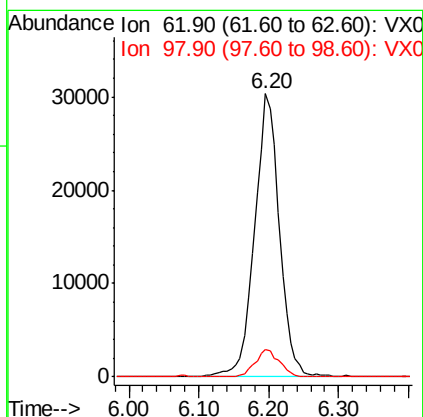
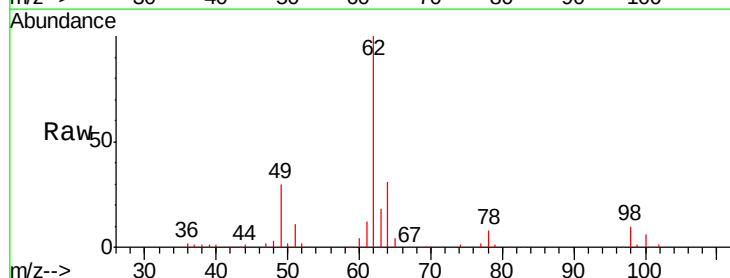
Manual Integrations
APPROVED

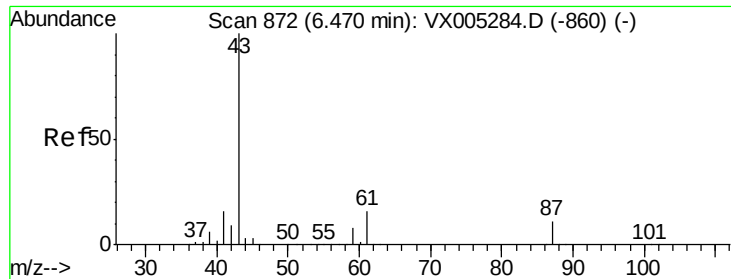
MMDadoda
10/17/2018 9:04:49 AM



#42
1,2-Dichloroethane
Concen: 18.93 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.75 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

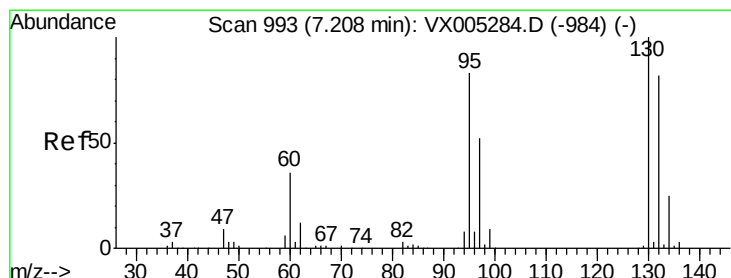
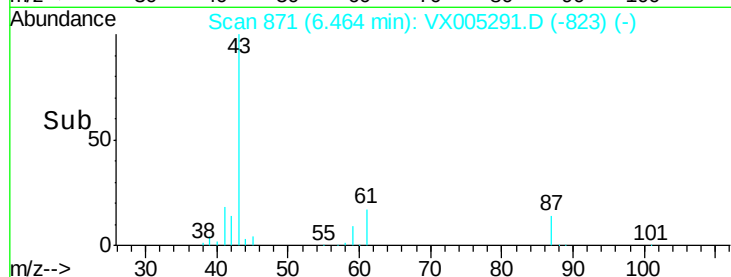
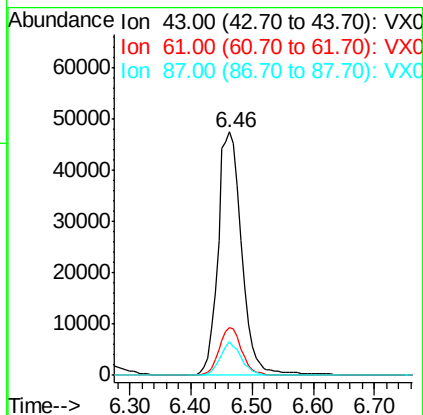
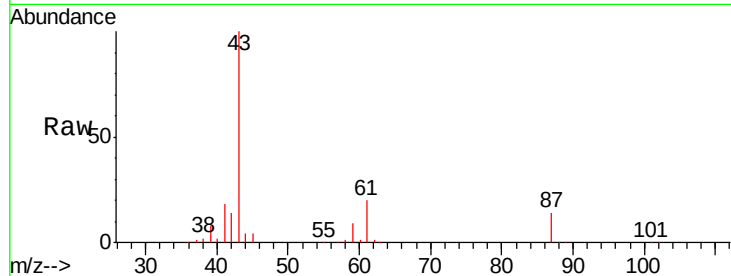
ClientSampleId :

VX1012WBS01

Tgt Ion:	43	Resp:	126601
Ion	Ratio	Lower	Upper
43	100		
61	19.0	17.0	25.4
87	12.5	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#44

Trichloroethene

Concen: 18.62 ug/l

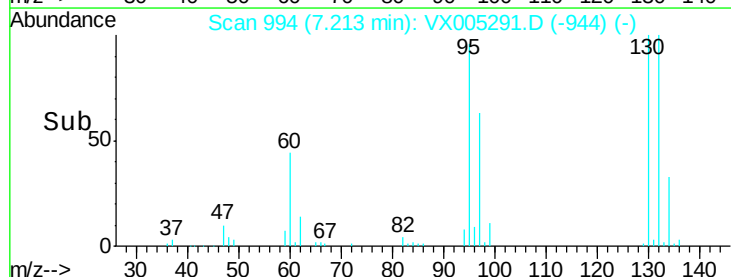
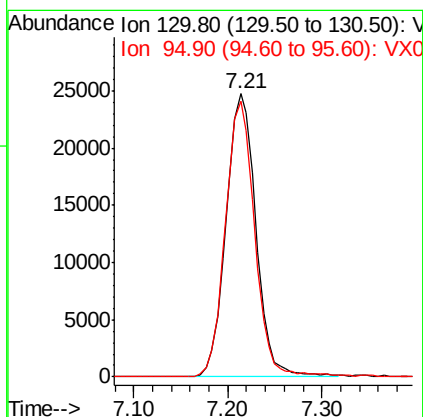
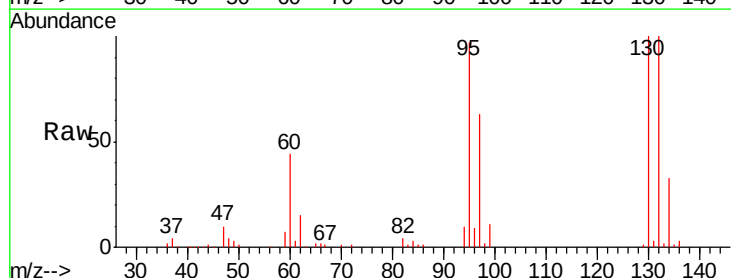
RT: 7.21 min Scan# 994

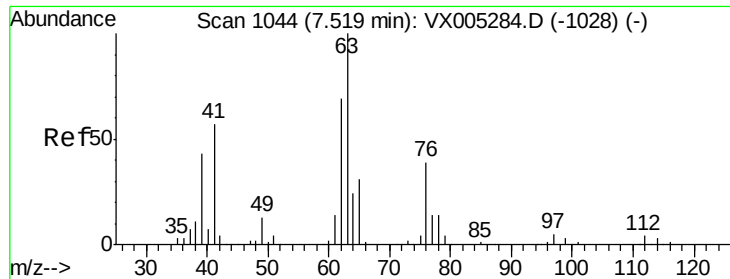
Delta R.T. 0.01 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	130	Resp:	54490
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	181.6





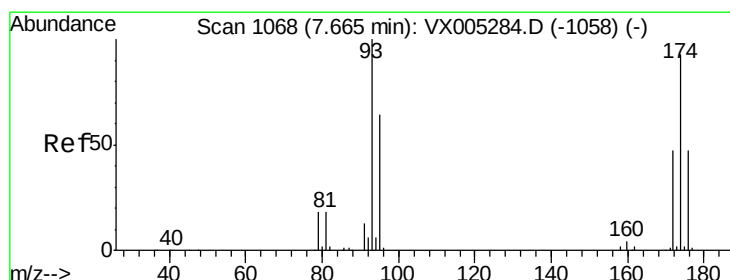
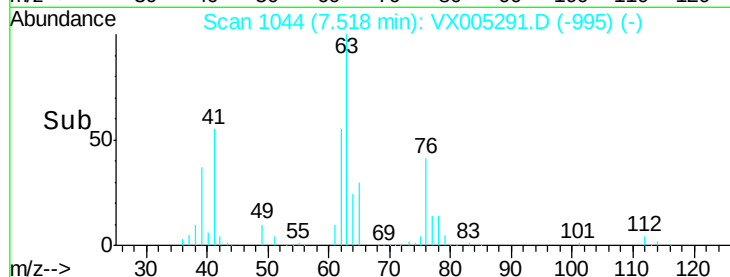
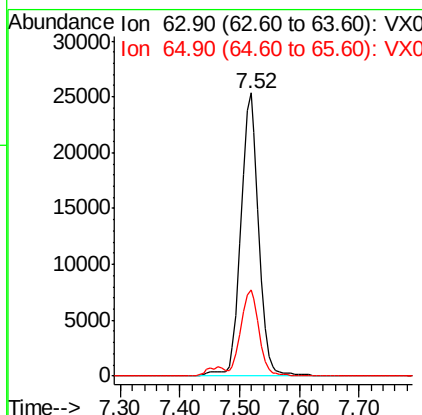
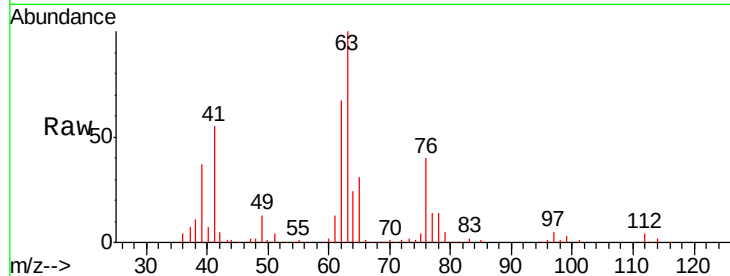
#45
 1,2-Dichloropropane
 Concen: 19.34 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Tgt Ion: 63 Resp: 53256
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5

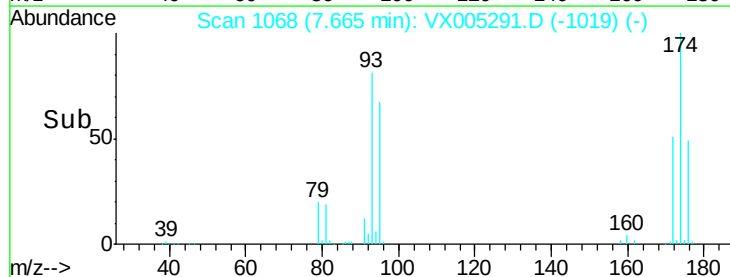
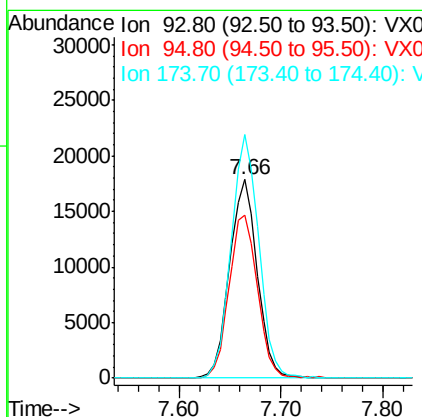
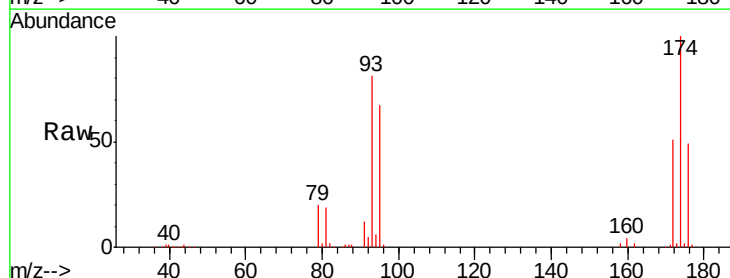
Manual Integrations
 APPROVED

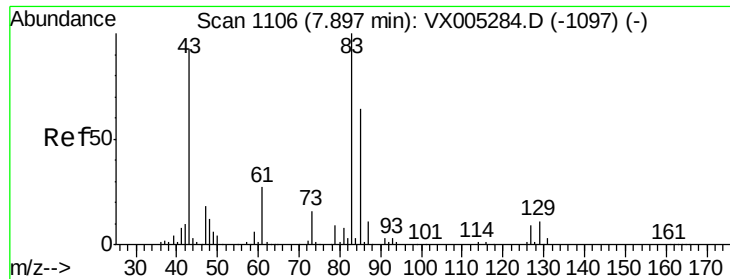
MMDadoda
 10/17/2018 9:04:49 AM



#46
 Dibromomethane
 Concen: 18.45 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Tgt Ion: 93 Resp: 33535
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.5 98.3
 174 121.9 94.2 141.4





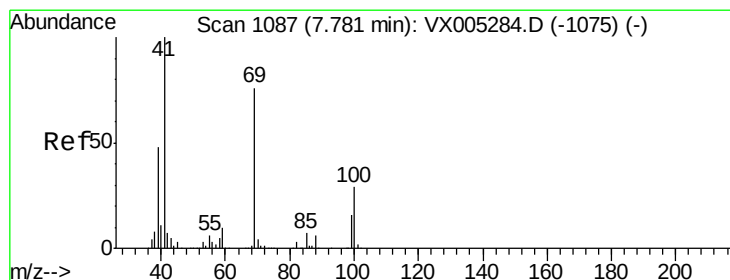
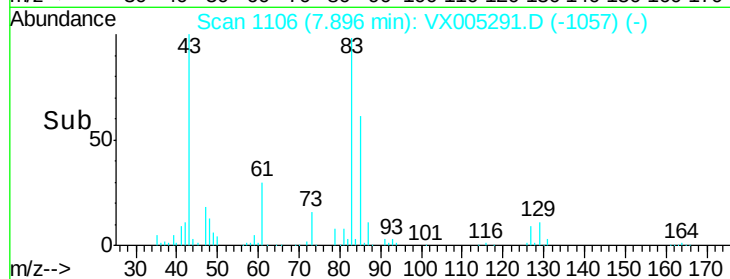
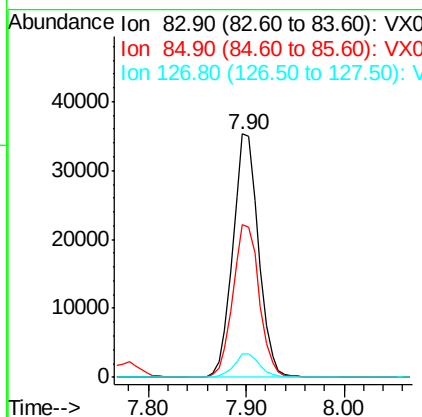
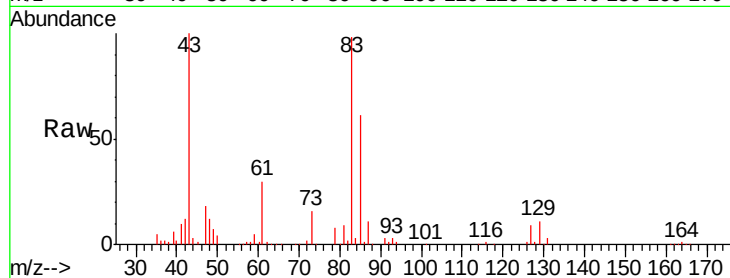
#47
Bromodichloromethane
Concen: 19.18 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3
127	9.5	7.3	10.9

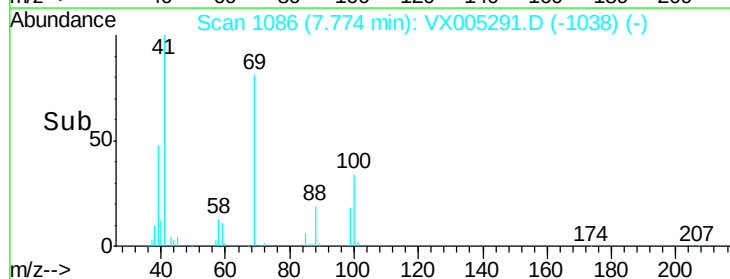
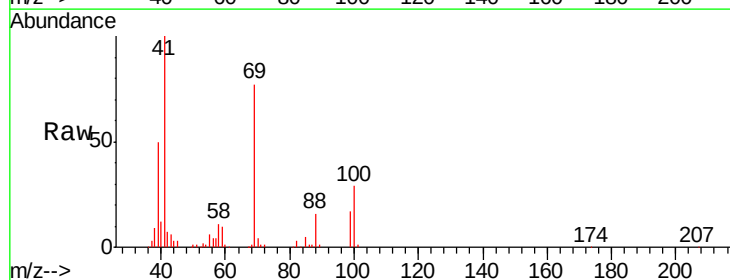
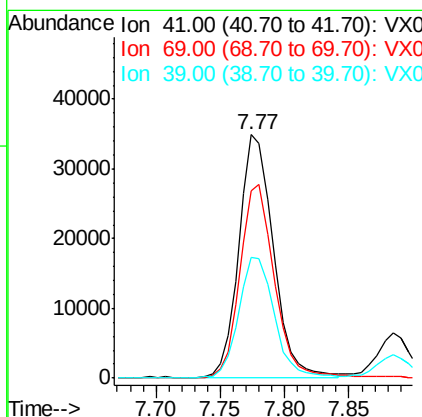
Manual Integrations
APPROVED

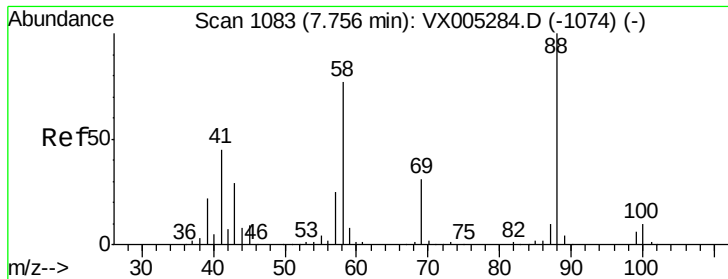
MMDadoda
10/17/2018 9:04:49 AM



#48
Methyl methacrylate
Concen: 19.38 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.9	70.2	105.4
39	52.2	42.7	64.1





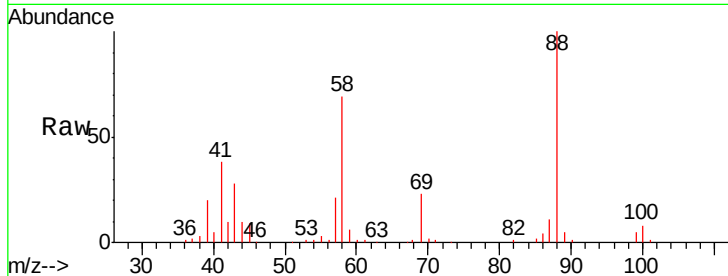
#49
1,4-Dioxane
Concen: 405.53 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

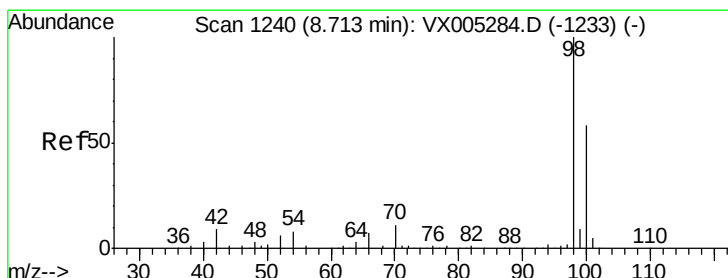
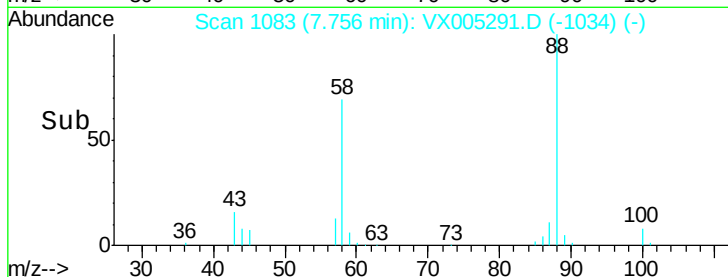
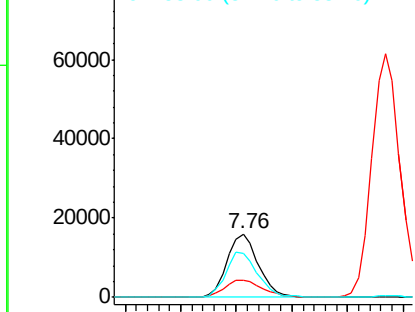
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.9	24.7	37.1
58	73.4	55.3	82.9

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM

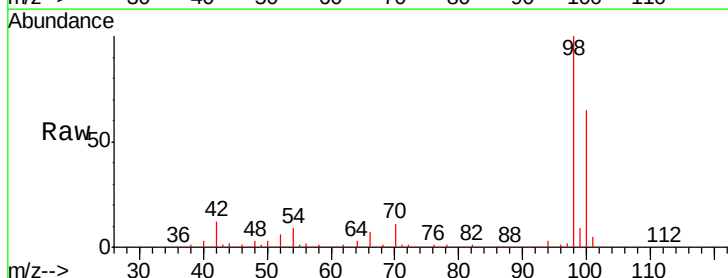


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

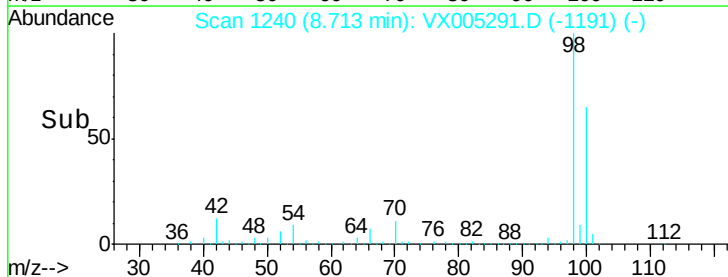
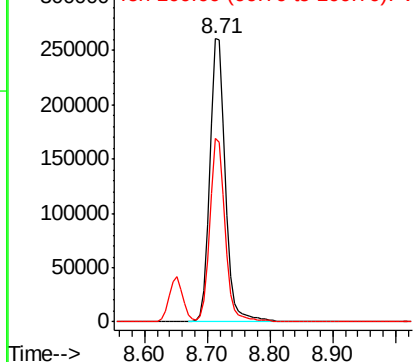


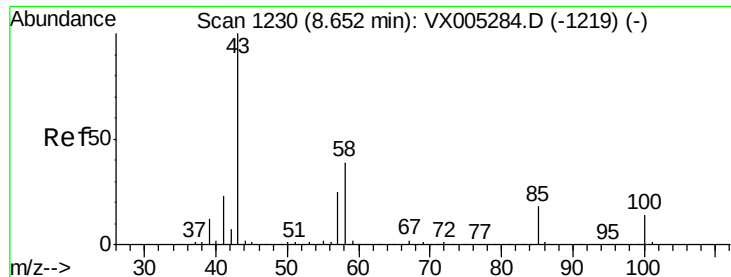
#50
Toluene-d8
Concen: 50.76 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3



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





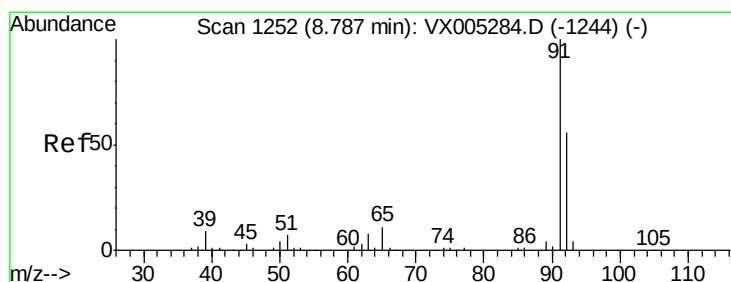
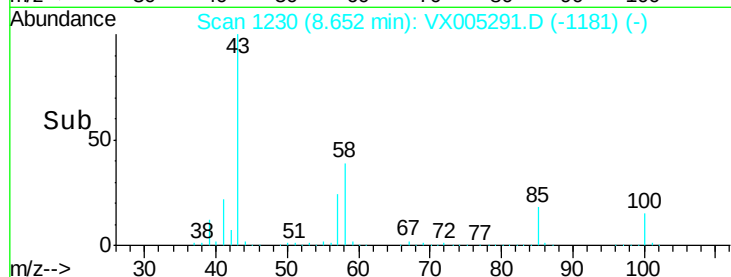
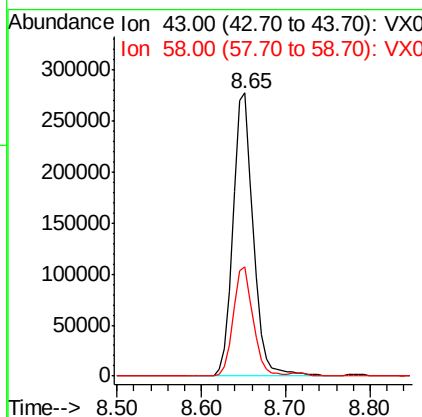
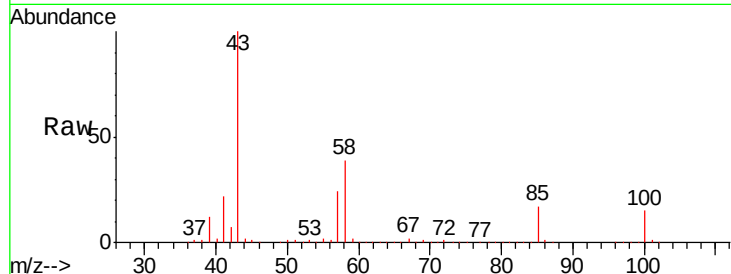
#51
4-Methyl-2-Pentanone
Concen: 101.74 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion: 43 Resp: 451571
Ion Ratio Lower Upper
43 100
58 37.7 33.1 49.7

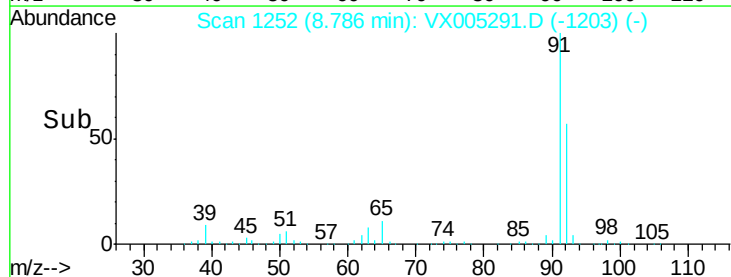
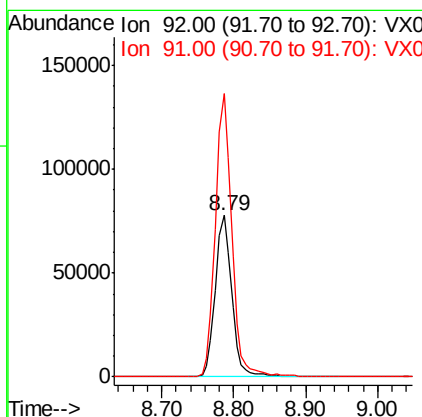
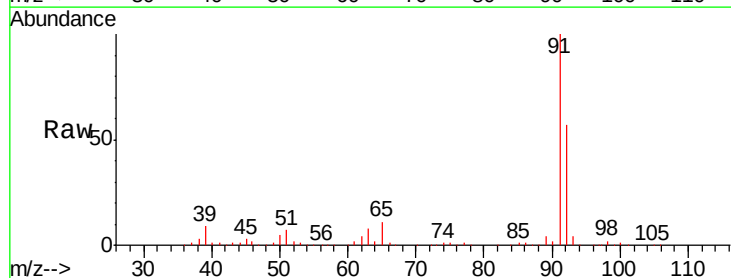
Manual Integrations
APPROVED

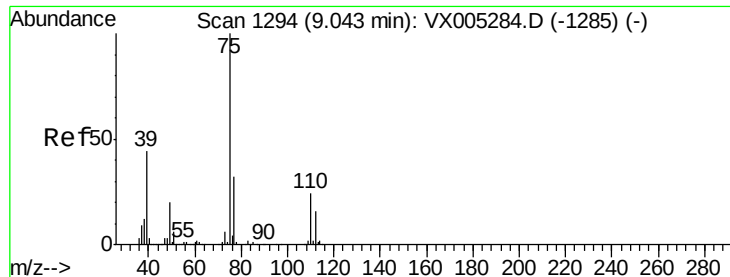
MMDadoda
10/17/2018 9:04:49 AM



#52
Toluene
Concen: 20.25 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion: 92 Resp: 124369
Ion Ratio Lower Upper
92 100
91 174.5 136.4 204.6





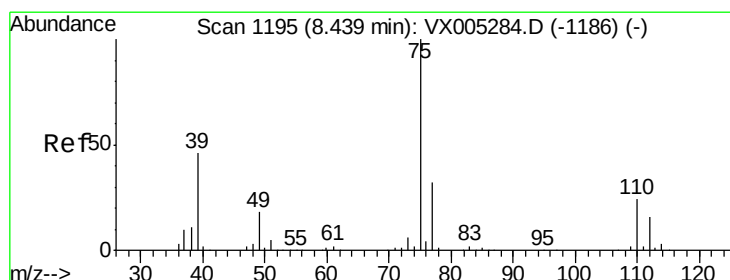
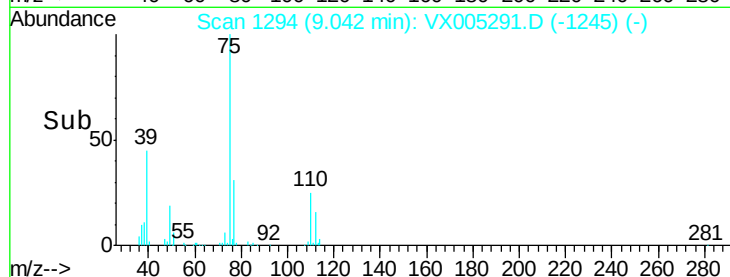
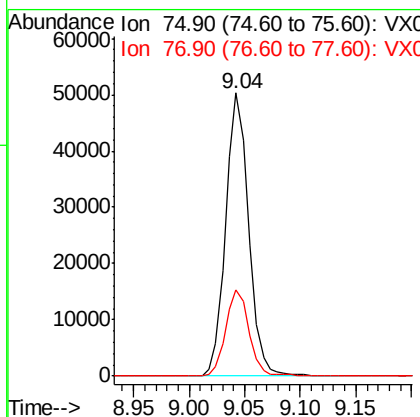
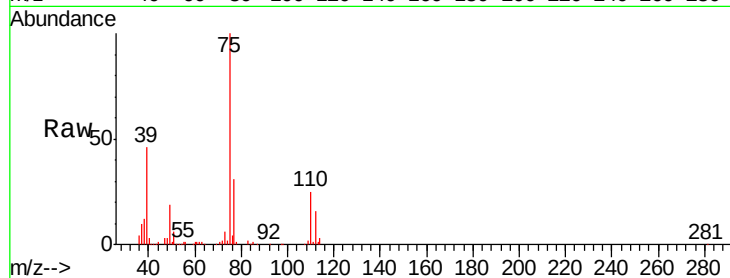
#53
t-1,3-Dichloropropene
Concen: 19.77 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion: 75 Resp: 71900
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

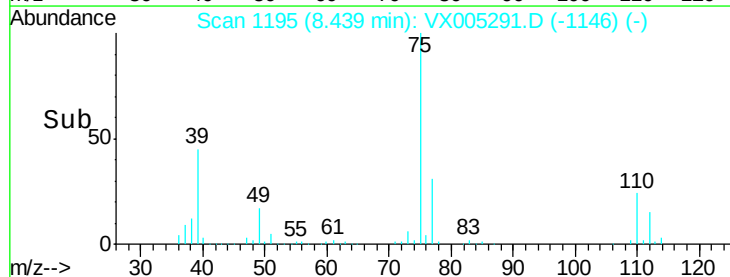
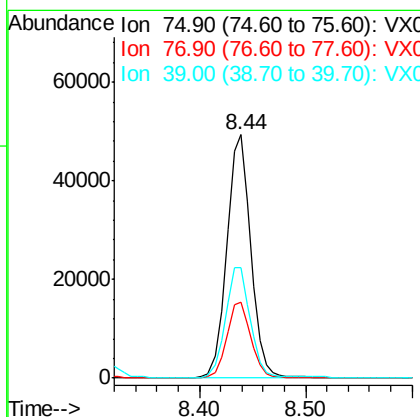
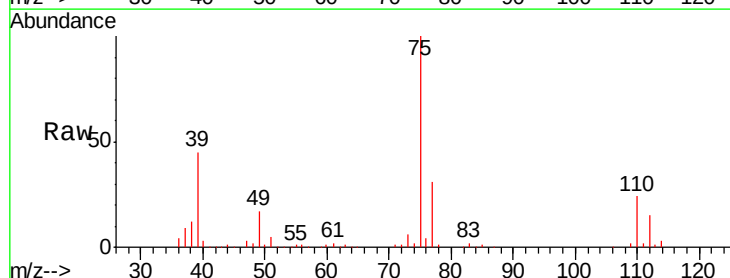
Manual Integrations
APPROVED

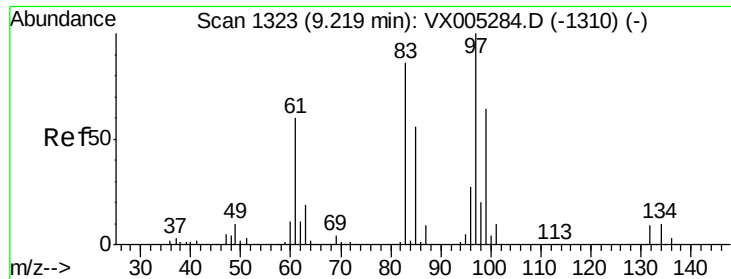
MMDadoda
10/17/2018 9:04:49 AM



#54
cis-1,3-Dichloropropene
Concen: 19.79 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion: 75 Resp: 77996
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.2
39 45.1 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 19.72 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

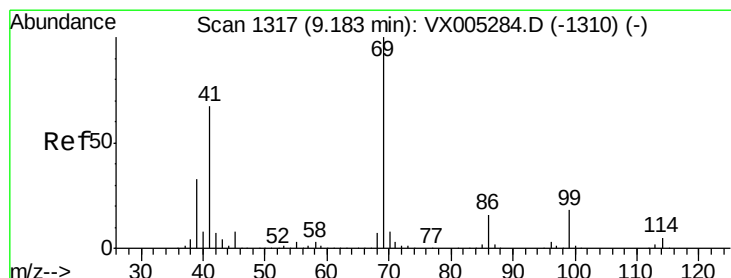
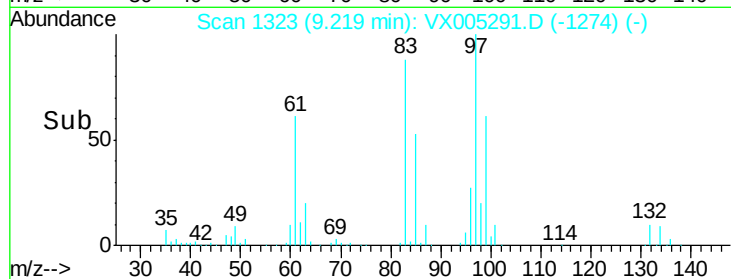
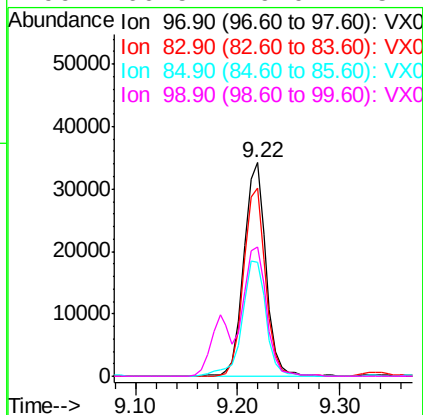
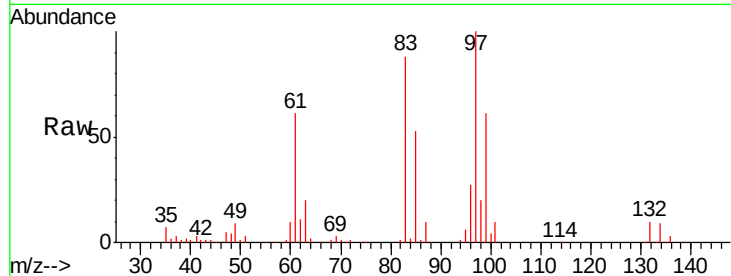
ClientSampleId :

VX1012WBS01

Tgt Ion:	97	Resp:	51286
Ion	Ratio	Lower	Upper
97	100		
83	88.3	66.4	99.6
85	53.2	43.3	64.9
99	60.5	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#56

Ethyl methacrylate

Concen: 19.95 ug/l

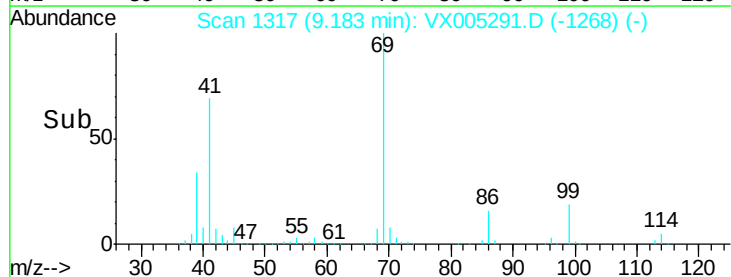
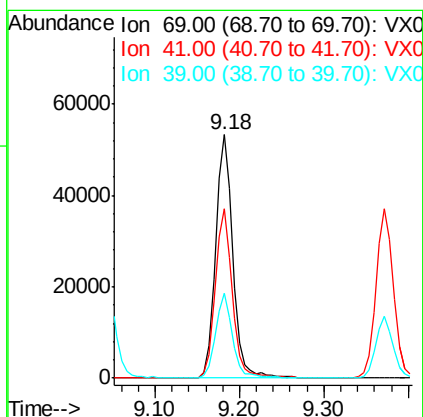
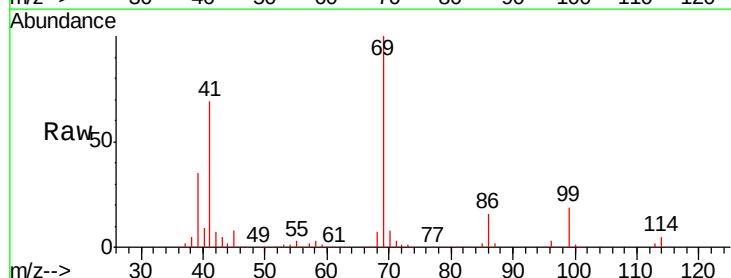
RT: 9.18 min Scan# 1317

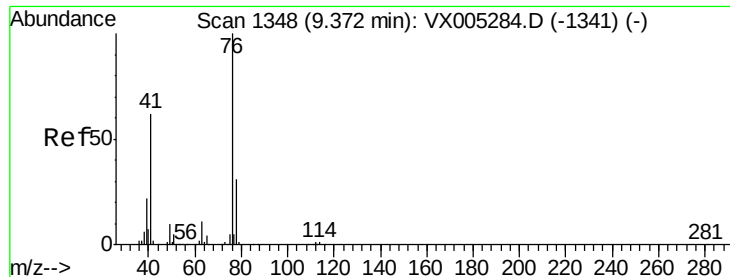
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	69	Resp:	75627
Ion	Ratio	Lower	Upper
69	100		
41	68.6	51.0	76.4
39	34.4	26.1	39.1





#57

1,3-Dichloropropane

Concen: 19.62 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 76 Resp: 85172

Ion Ratio Lower Upper

76 100

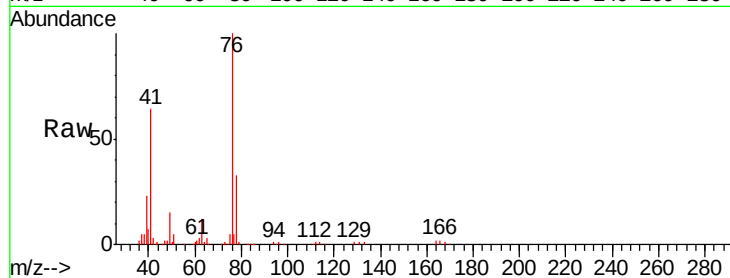
78 33.2 25.5 38.3

Manual Integrations

APPROVED

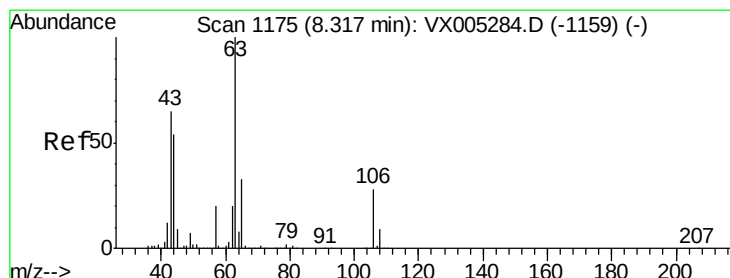
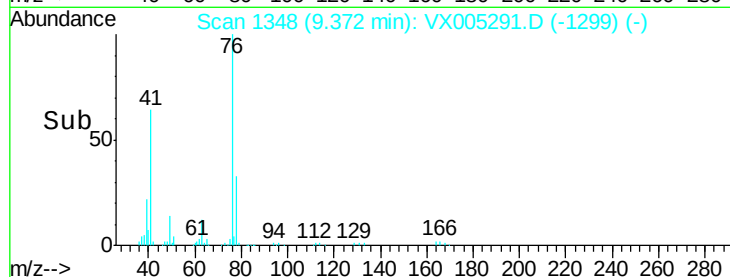
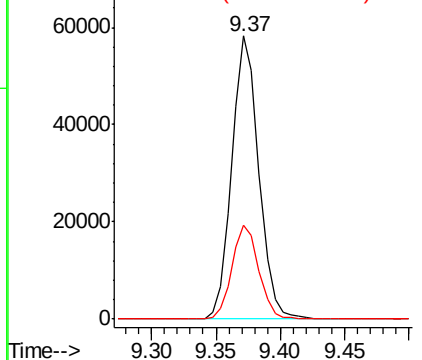
MMDadoda

10/17/2018 9:04:49 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: 103.10 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005291.D

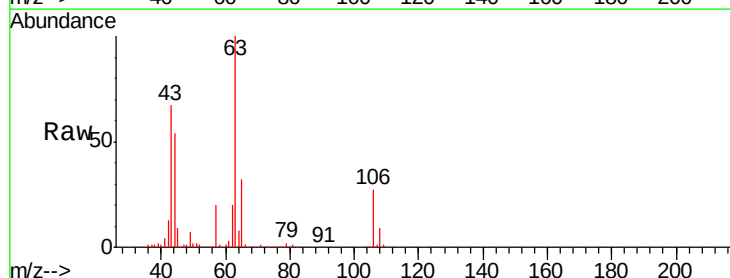
Acq: 12 Oct 2018 14:18

Tgt Ion: 63 Resp: 219246

Ion Ratio Lower Upper

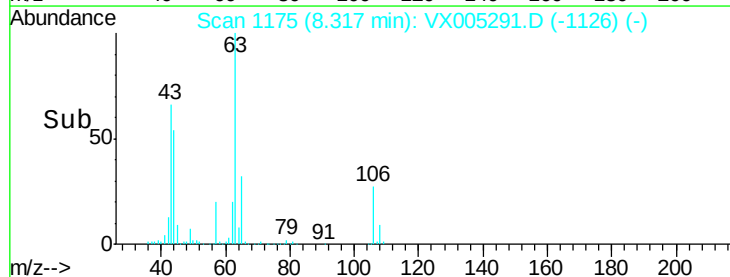
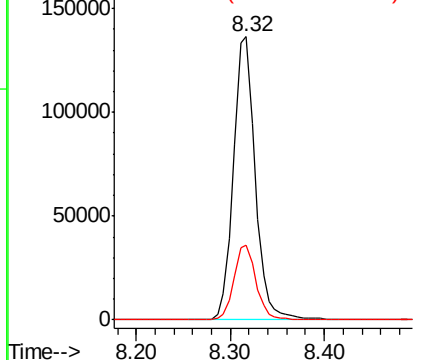
63 100

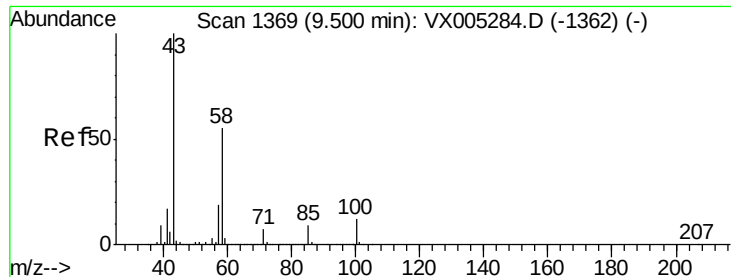
106 27.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





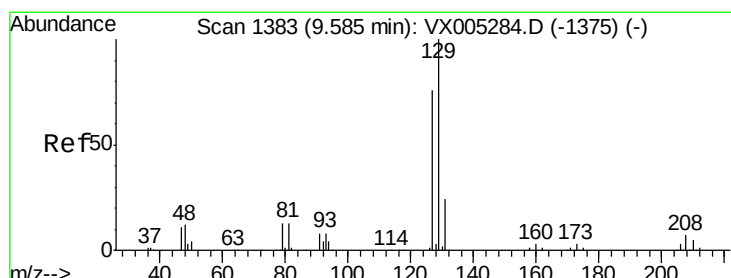
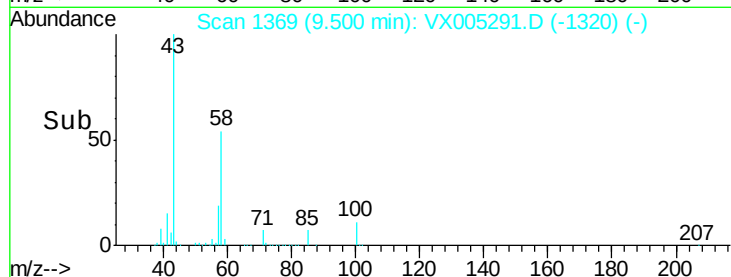
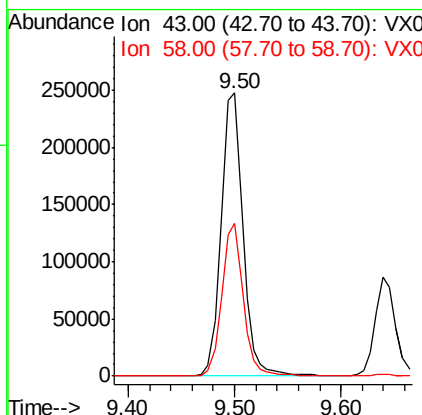
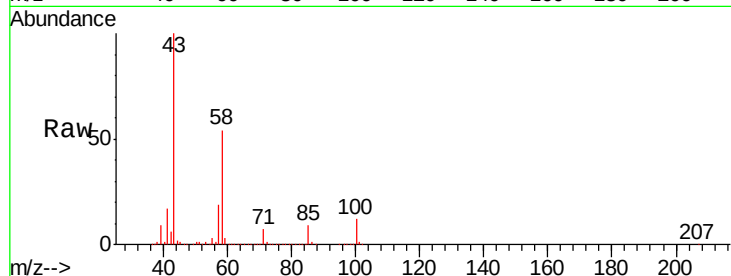
#59
2-Hexanone
Concen: 99.99 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion: 43 Resp: 356984
Ion Ratio Lower Upper
43 100
58 52.7 29.0 87.0

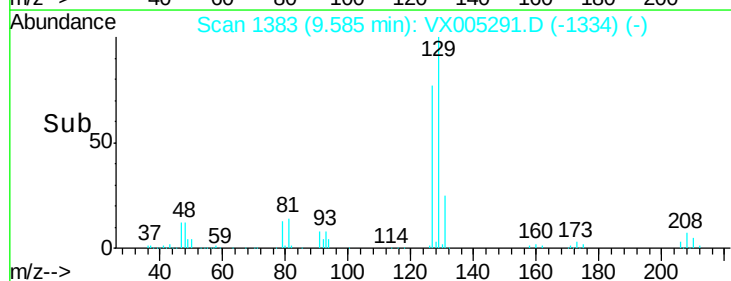
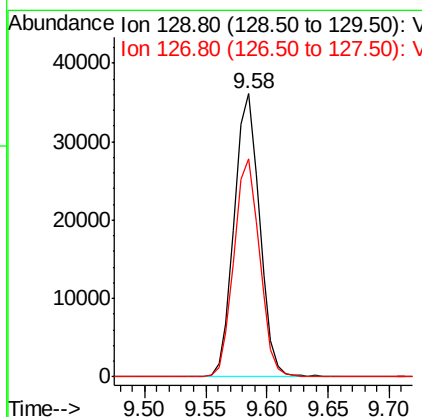
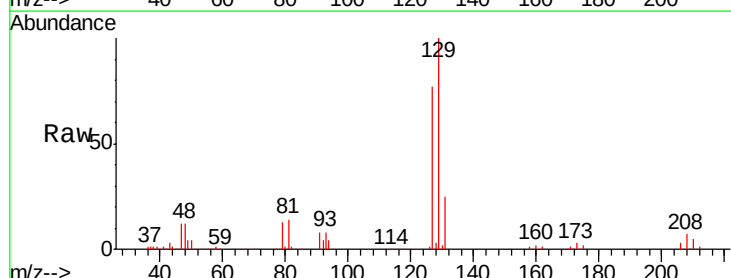
Manual Integrations
APPROVED

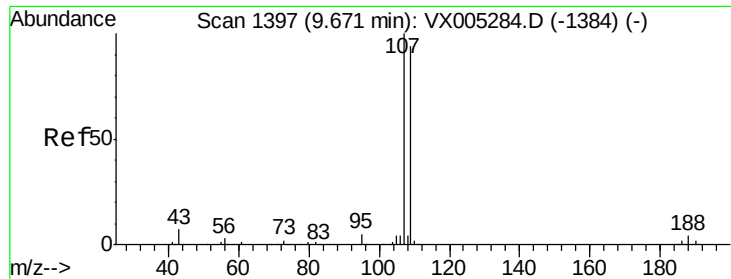
MMDadoda
10/17/2018 9:04:49 AM



#60
Dibromochloromethane
Concen: 19.29 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion: 129 Resp: 51852
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





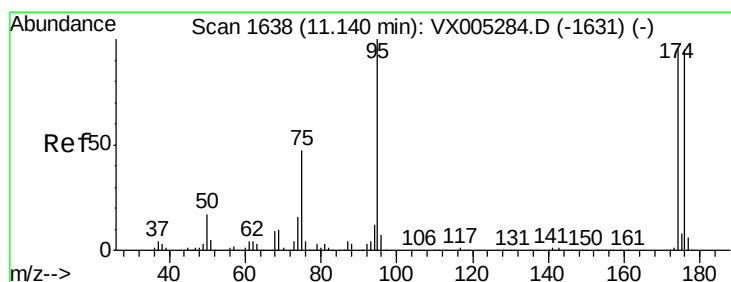
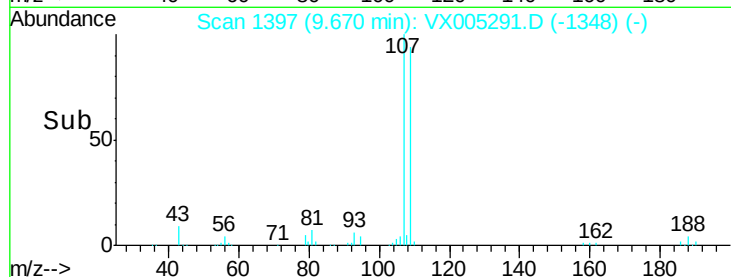
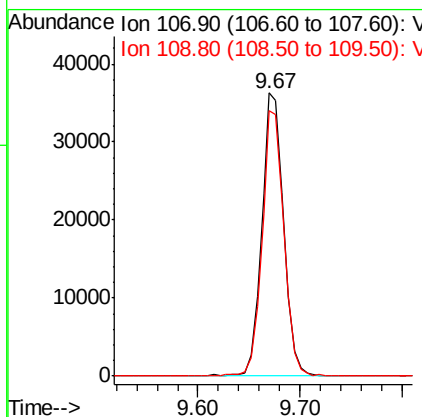
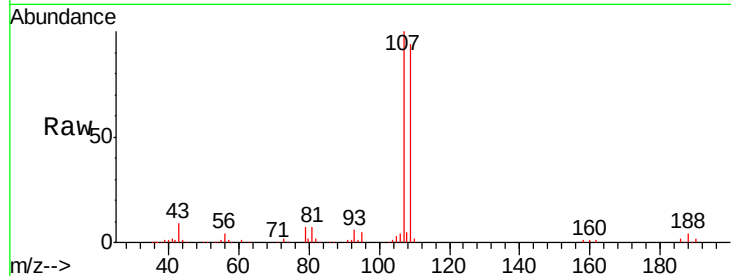
#61
 1,2-Dibromoethane
 Concen: 19.84 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Tgt Ion: 107 Resp: 54144
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.0 114.0

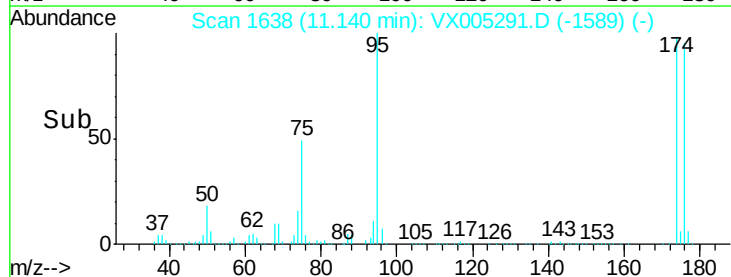
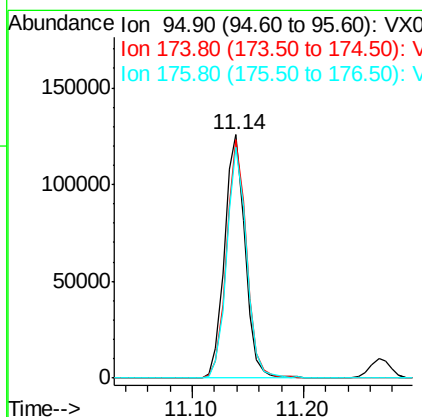
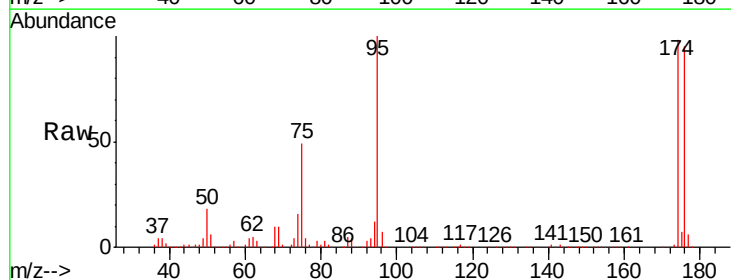
Manual Integrations
 APPROVED

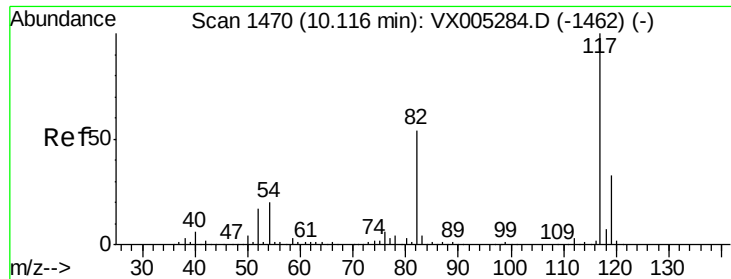
MMDadoda
 10/17/2018 9:04:49 AM



#62
 4-Bromofluorobenzene
 Concen: 48.70 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Tgt Ion: 95 Resp: 160723
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 185.2
 176 91.9 0.0 178.6





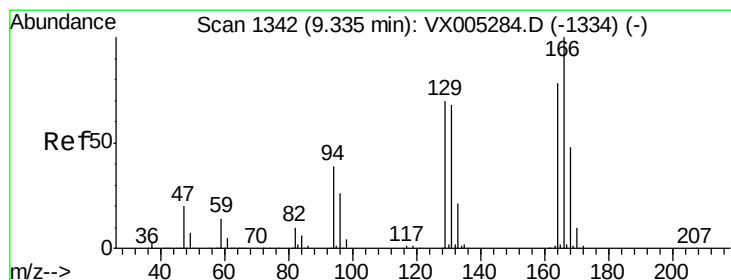
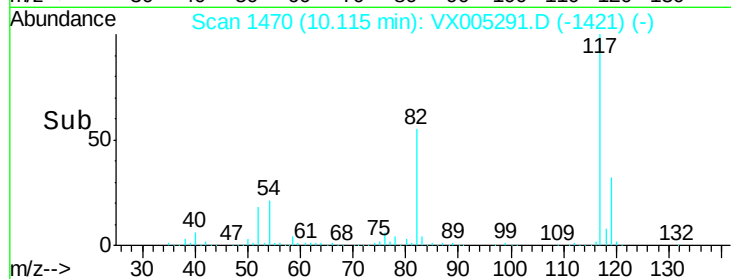
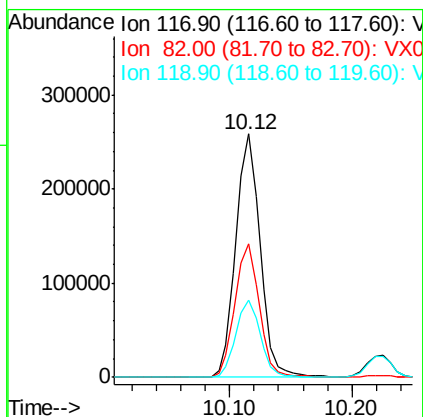
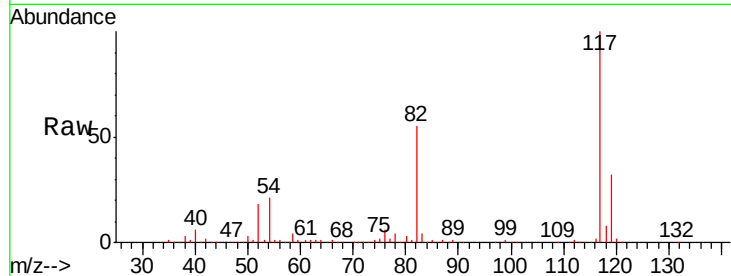
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	357010		
82	54.8	47.8	71.6	
119	32.0	29.3	43.9	

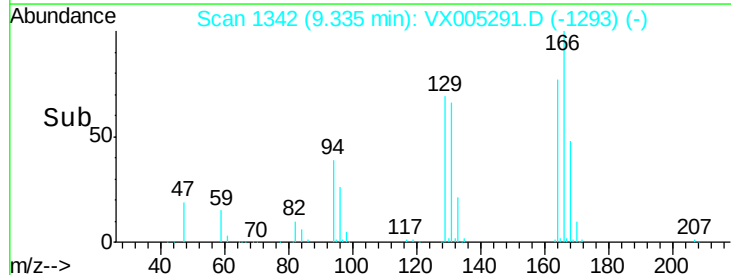
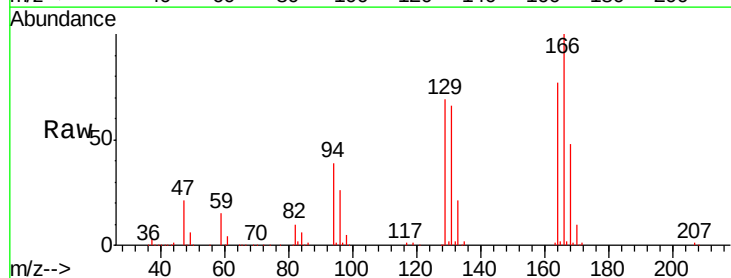
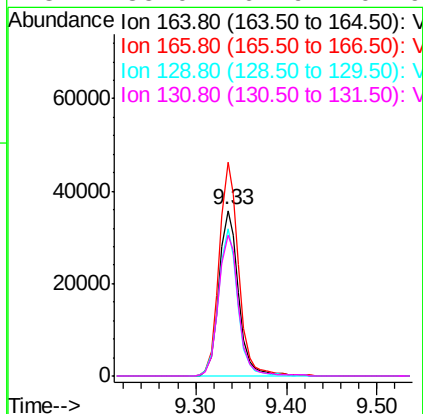
Manual Integrations
APPROVED

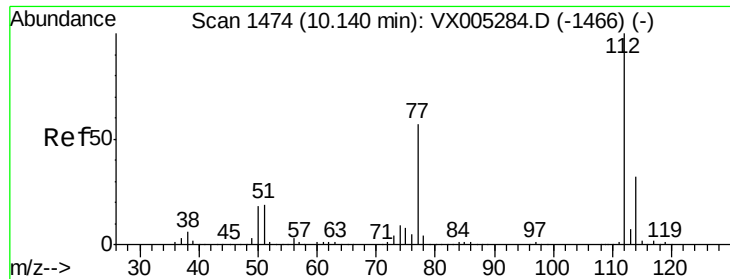
MMDadoda
10/17/2018 9:04:49 AM



#64
Tetrachloroethene
Concen: 18.84 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54141		
166	129.1	102.8	154.2	
129	89.2	69.4	104.0	
131	85.0	67.9	101.9	





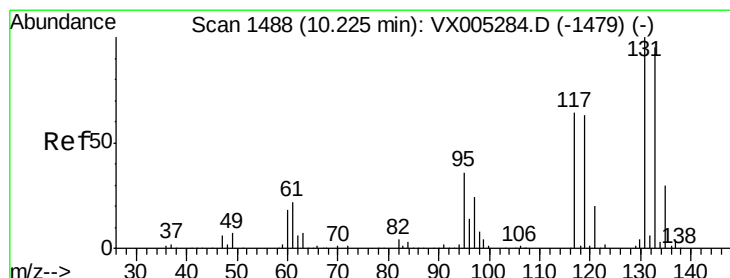
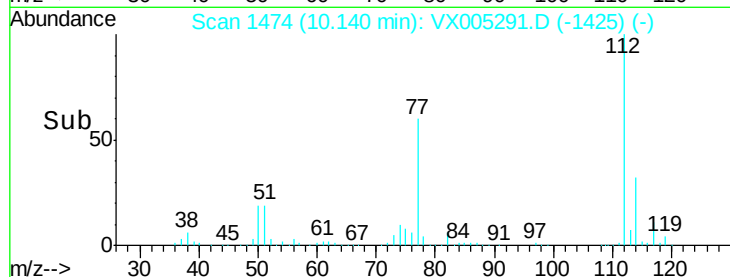
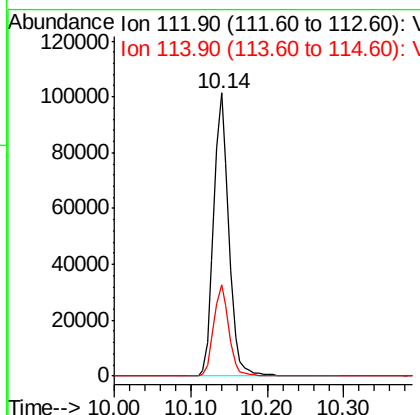
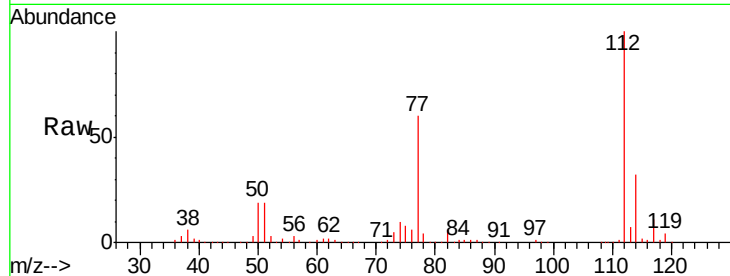
#65
Chlorobenzene
Concen: 18.43 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion:112 Resp: 139935
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8

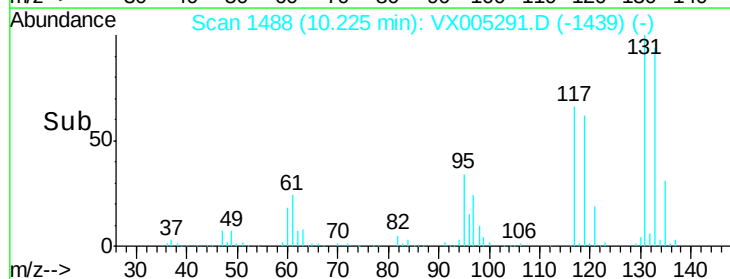
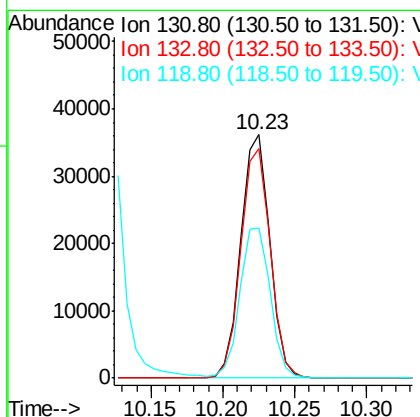
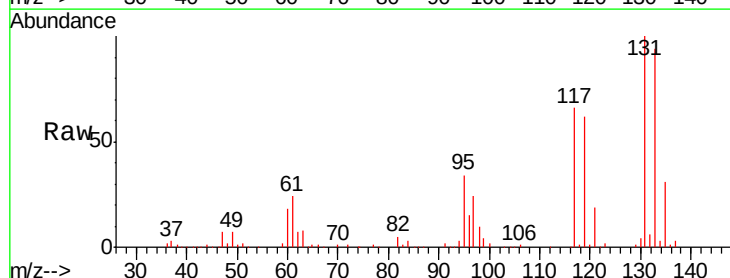
Manual Integrations
APPROVED

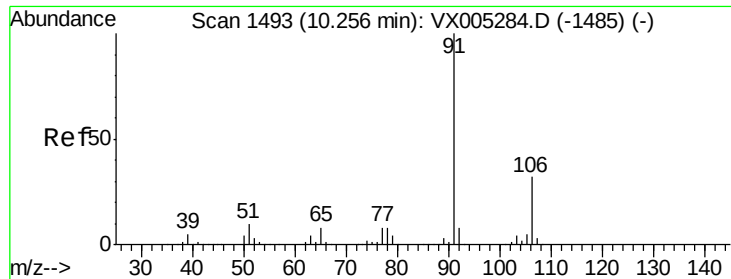
MMDadoda
10/17/2018 9:04:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.65 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion:131 Resp: 50463
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.9 32.9 98.6





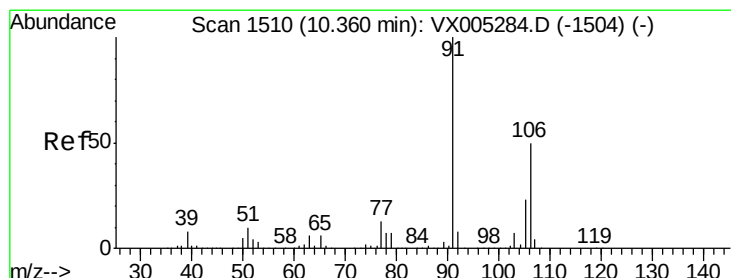
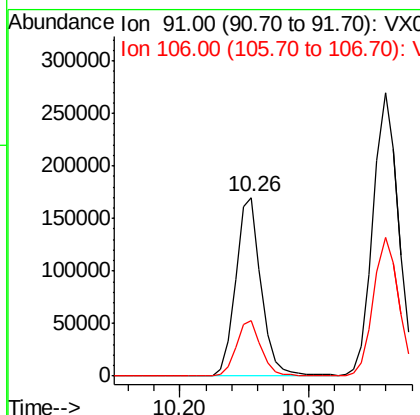
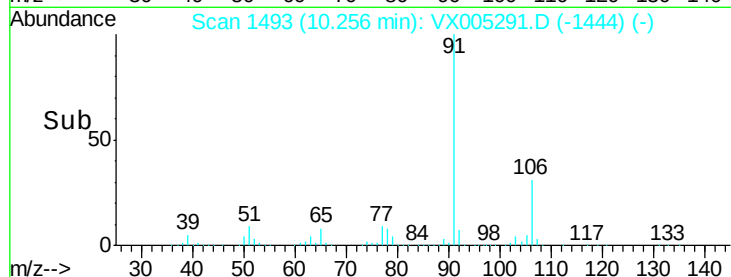
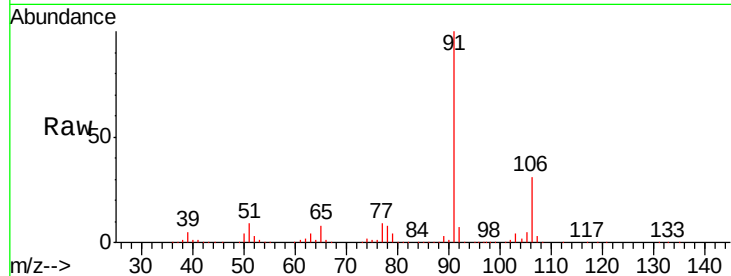
#67
Ethyl Benzene
Concen: 18.93 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion: 91 Resp: 233640
Ion Ratio Lower Upper
91 100
106 30.8 25.9 38.9

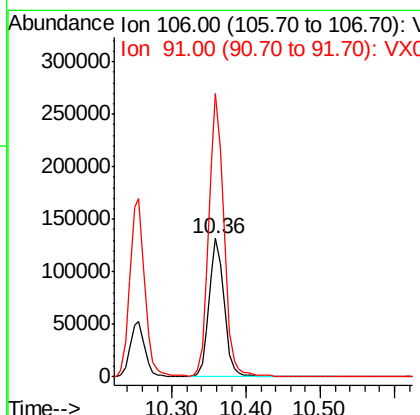
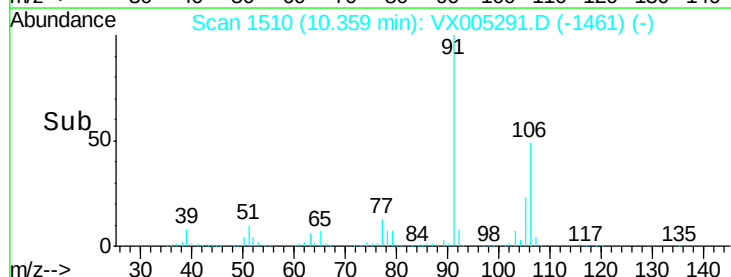
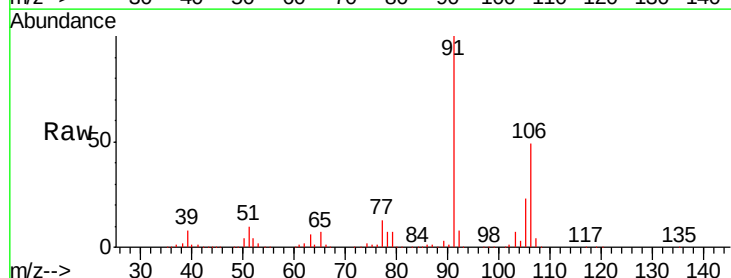
Manual Integrations
APPROVED

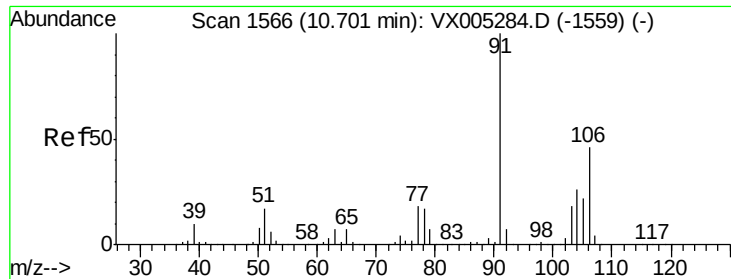
MMDadoda
10/17/2018 9:04:49 AM



#68
m/p-Xylenes
Concen: 38.21 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion: 106 Resp: 183095
Ion Ratio Lower Upper
106 100
91 204.3 157.1 235.7





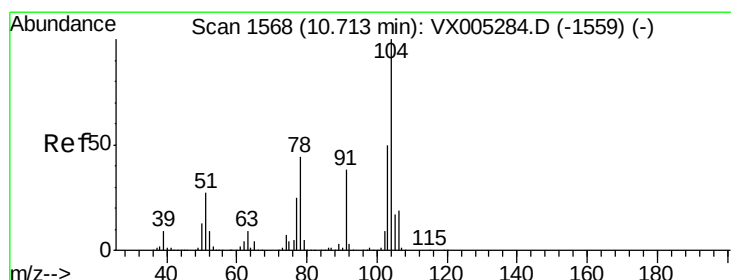
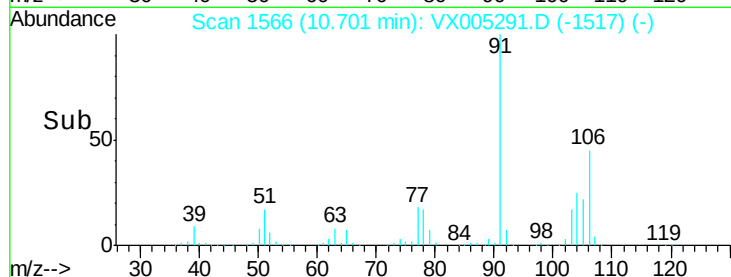
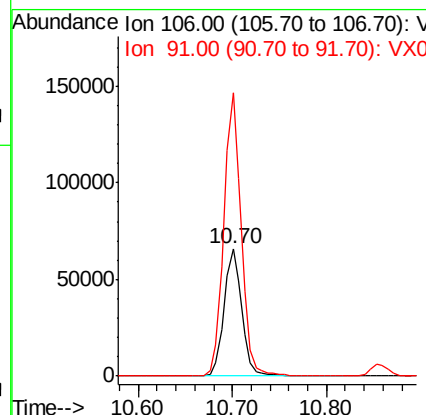
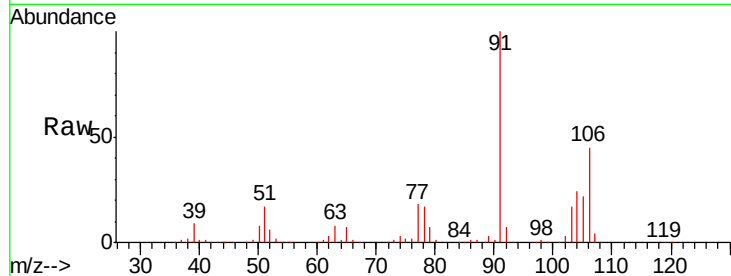
#69
o-Xylene
Concen: 18.61 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion:106 Resp: 86013
Ion Ratio Lower Upper
106 100
91 218.8 105.1 315.1

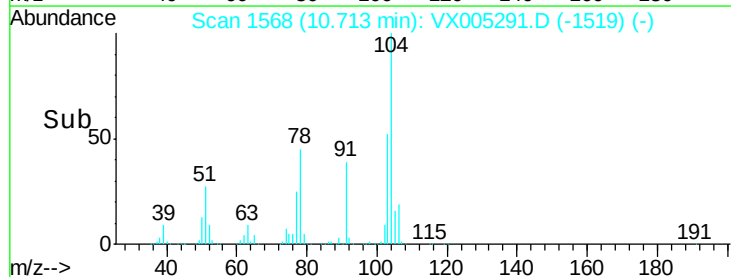
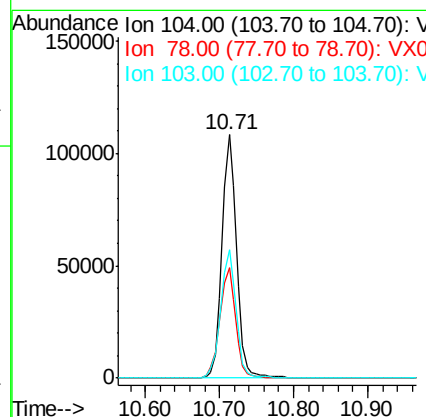
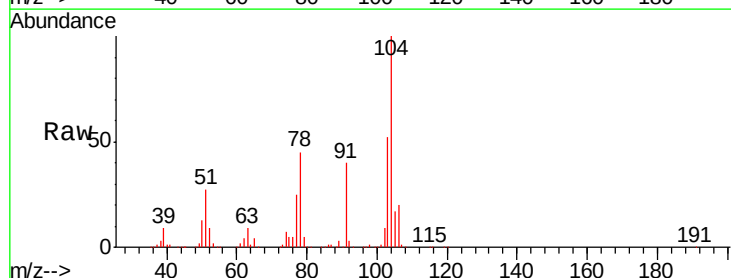
Manual Integrations
APPROVED

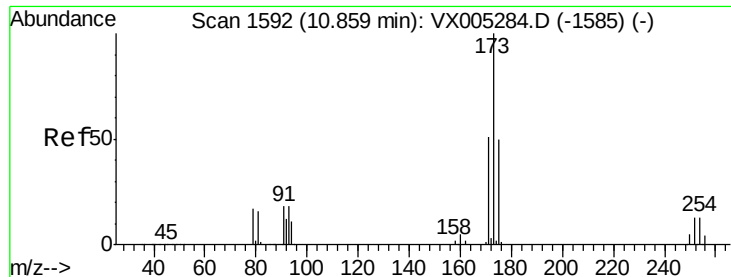
MMDadoda
10/17/2018 9:04:49 AM



#70
Styrene
Concen: 19.19 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion:104 Resp: 145830
Ion Ratio Lower Upper
104 100
78 49.5 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 17.72 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

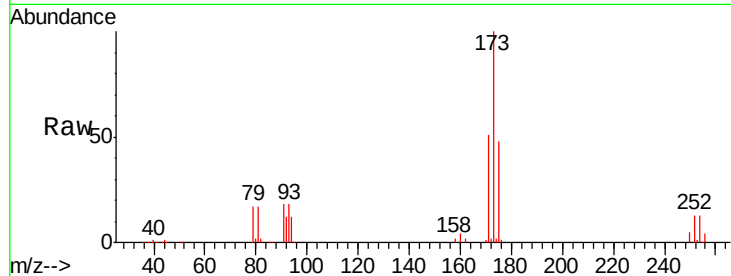
ClientSampleId :

VX1012WBS01

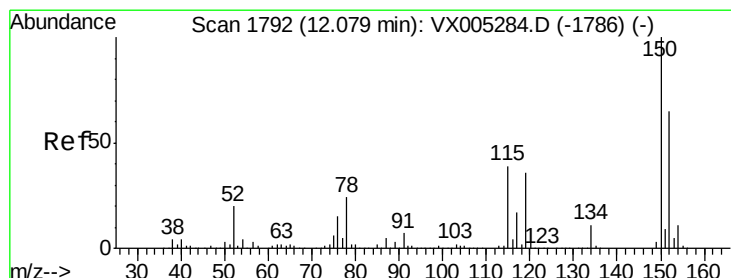
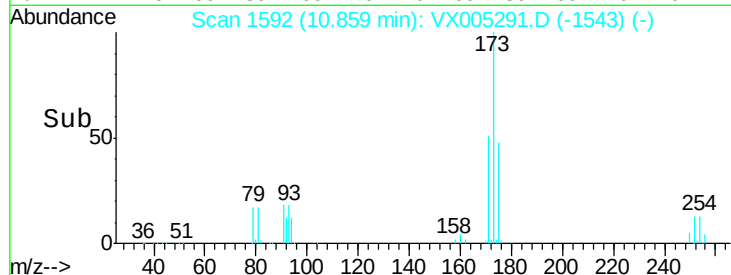
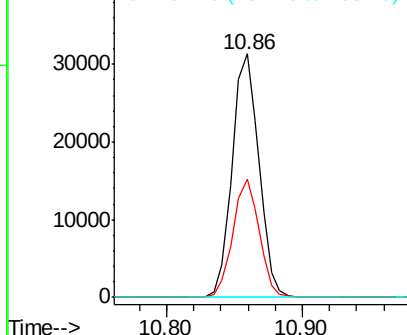
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

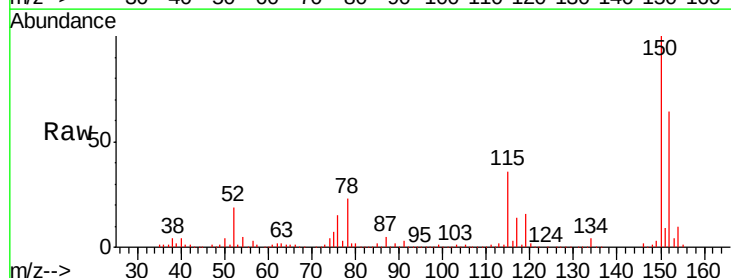
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

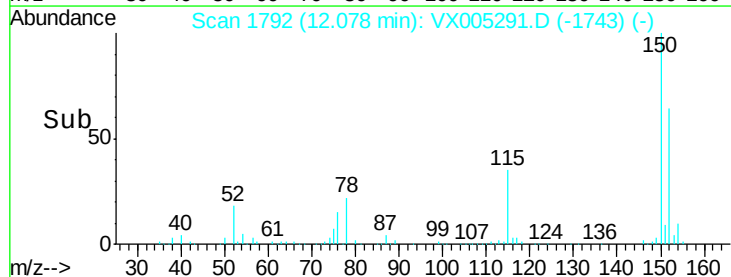
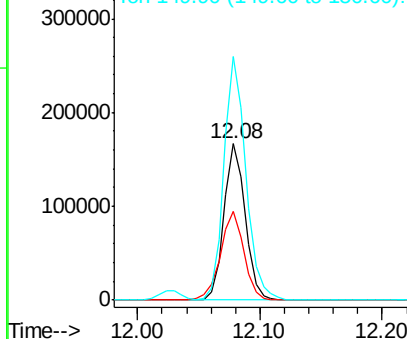
Lab File: VX005291.D

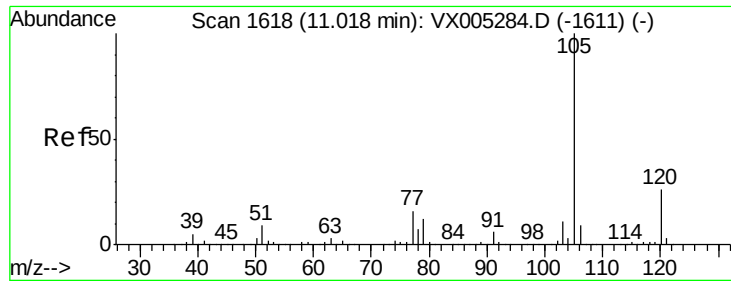
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	39.0	117.0
150	161.3	0.0	351.0



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





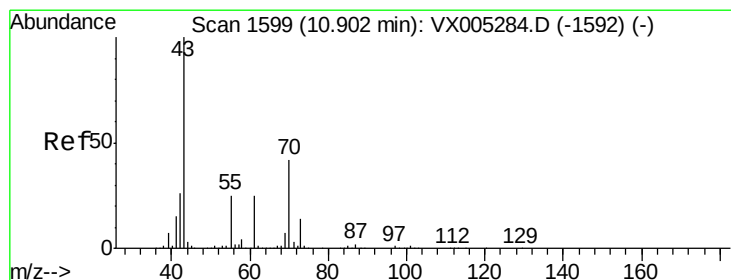
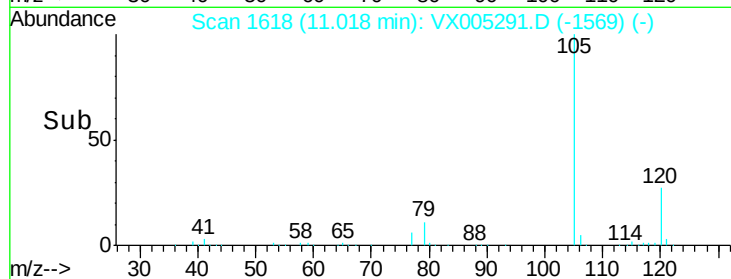
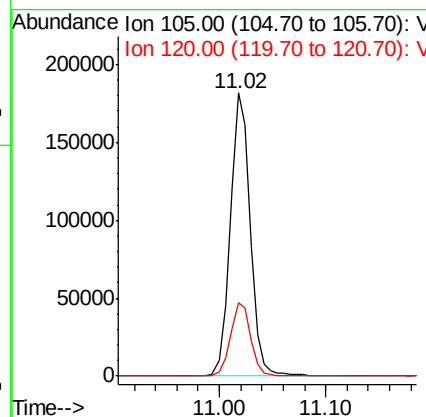
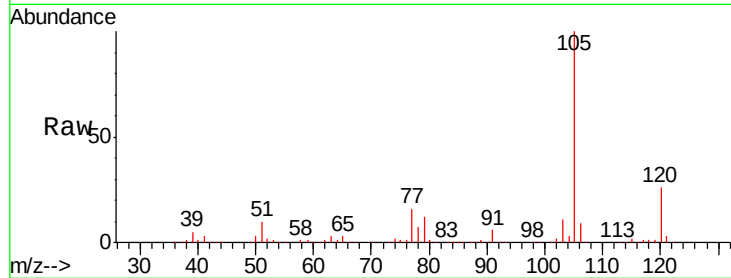
#73
Isopropylbenzene
Concen: 20.11 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4

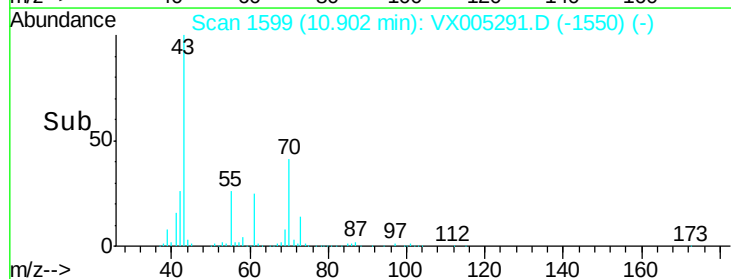
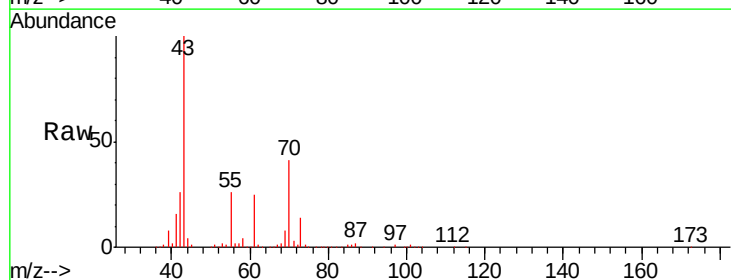
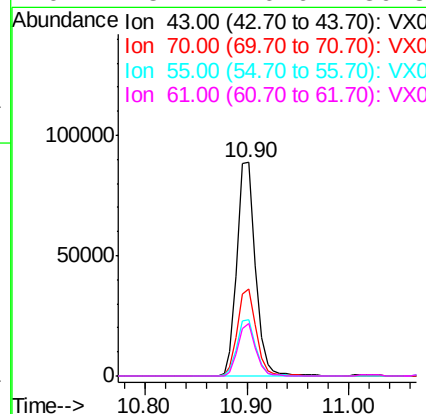
Manual Integrations
APPROVED

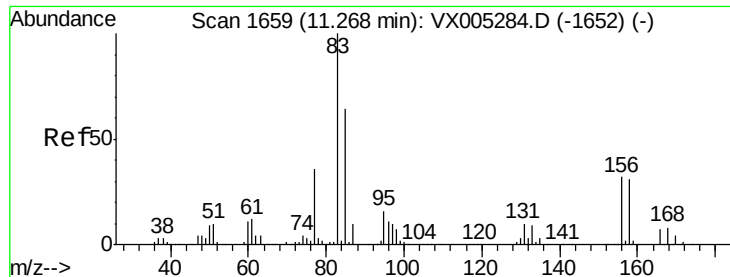
MMDadoda
10/17/2018 9:04:49 AM



#74
N-ethyl acetate
Concen: 19.53 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX005291.D
Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.9	37.4	56.0
55	26.5	21.8	32.8
61	23.4	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.75 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

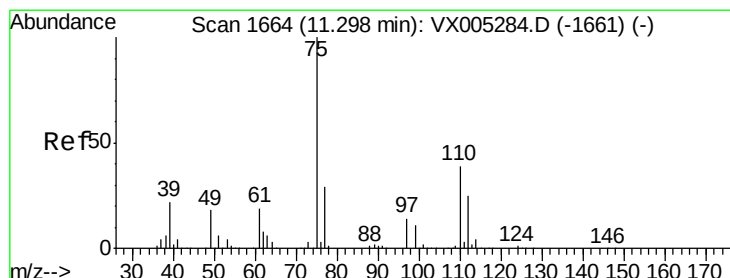
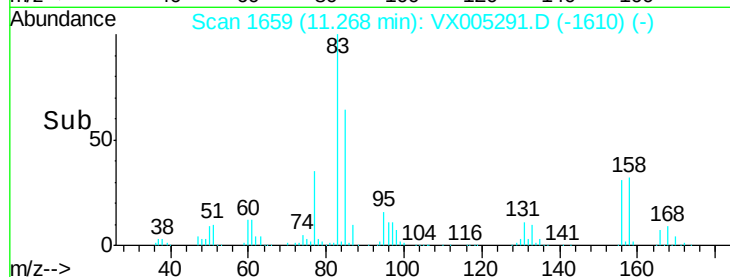
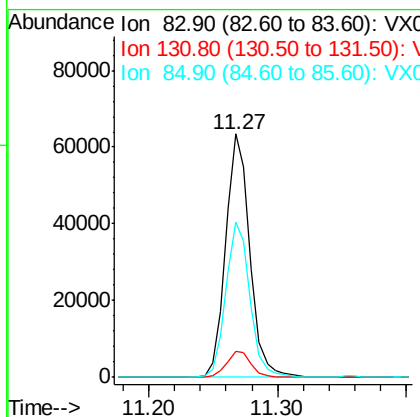
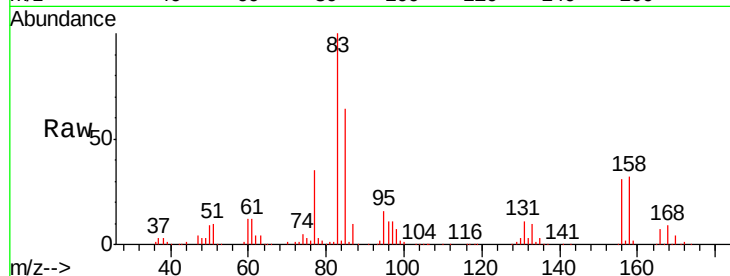
ClientSampleId :

VX1012WBS01

Tgt Ion:	83	Resp:	83791
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#76

1,2,3-Trichloropropane

Concen: 20.19 ug/l m

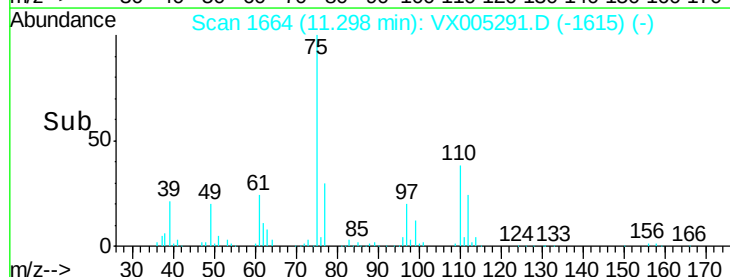
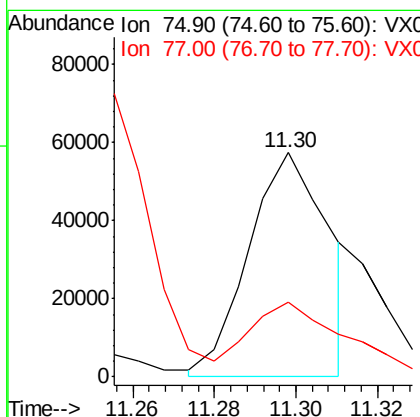
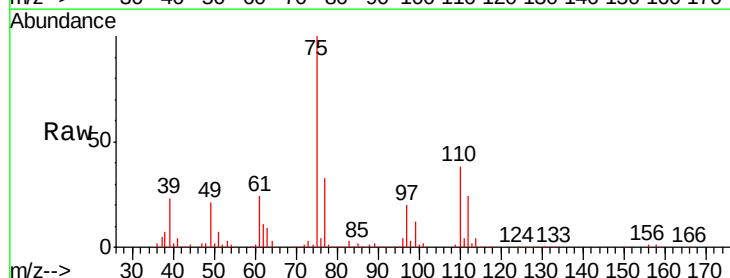
RT: 11.30 min Scan# 1664

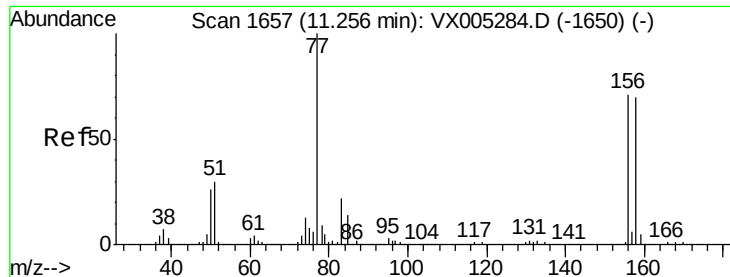
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	75	Resp:	78053
Ion	Ratio	Lower	Upper
75	100		
77	40.4	20.2	60.6





#77

Bromobenzene

Concen: 19.33 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

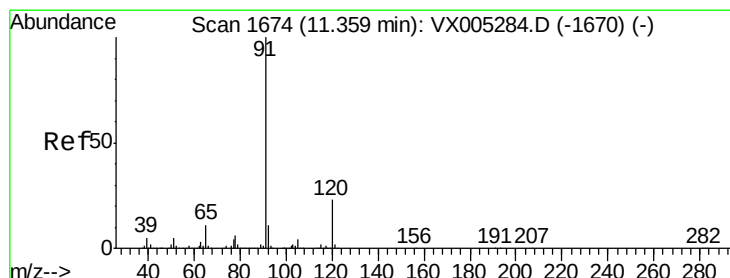
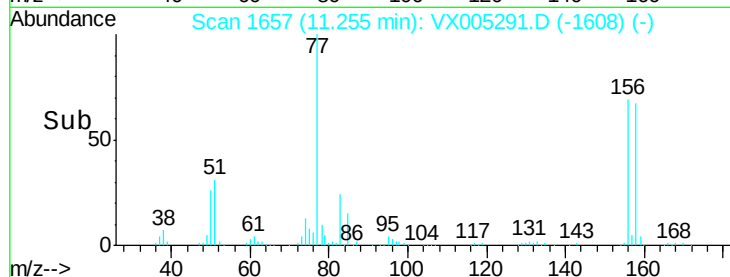
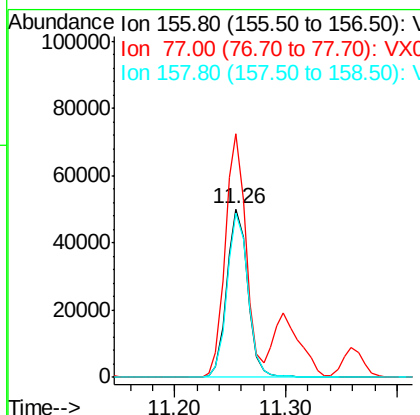
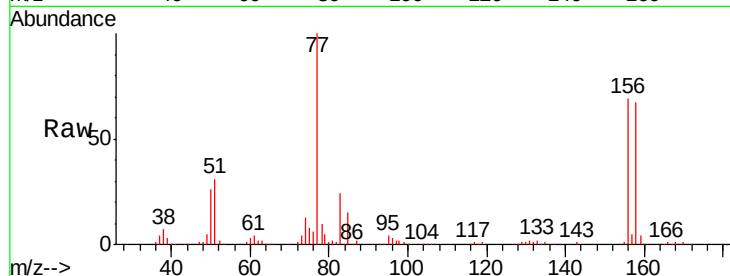
ClientSampleId :

VX1012WBS01

Tgt Ion:	156	Resp:	65490
Ion Ratio	Lower	Upper	
156	100		
77	142.8	71.5	214.3
158	97.4	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#78

n-propylbenzene

Concen: 20.05 ug/l

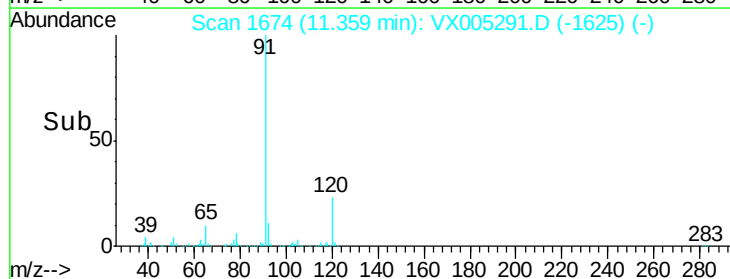
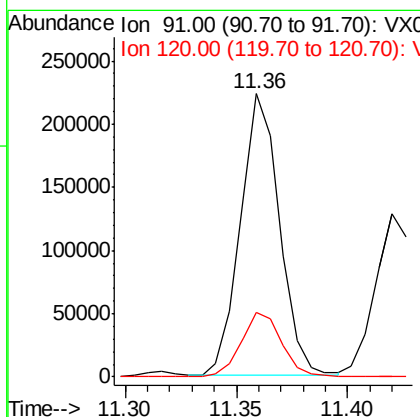
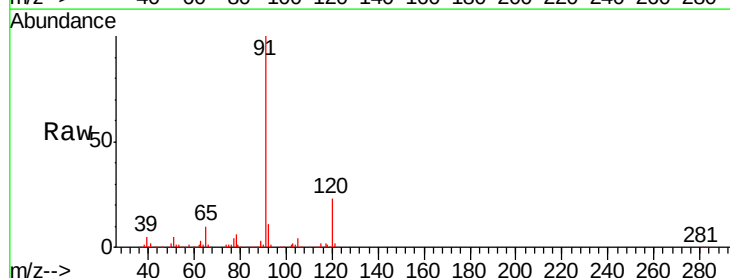
RT: 11.36 min Scan# 1674

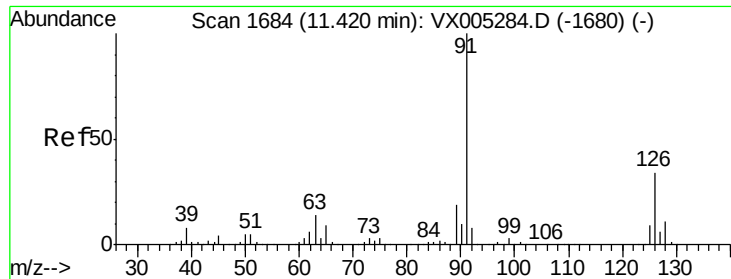
Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Tgt Ion:	91	Resp:	273407
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 19.59 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 91 Resp: 163609

Ion Ratio Lower Upper

91 100

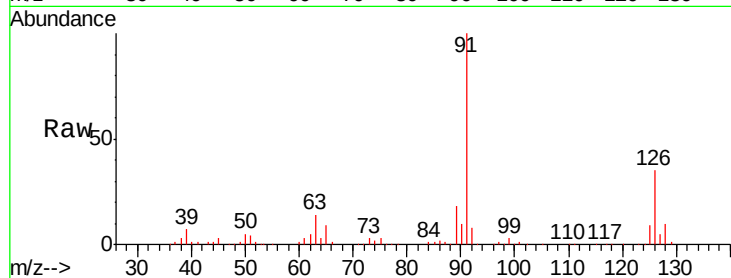
126 35.5 17.9 53.7

Manual Integrations

APPROVED

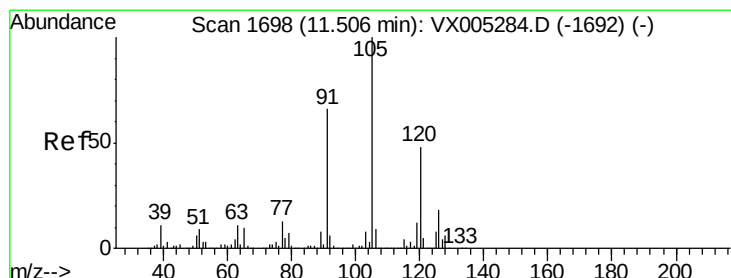
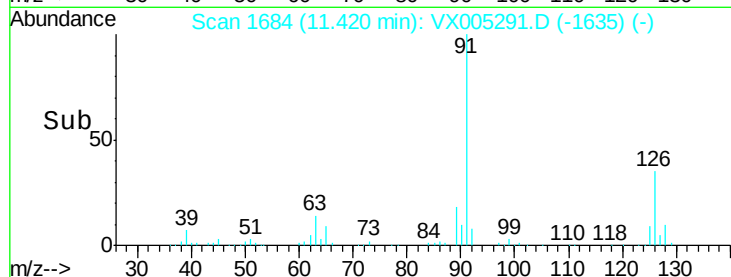
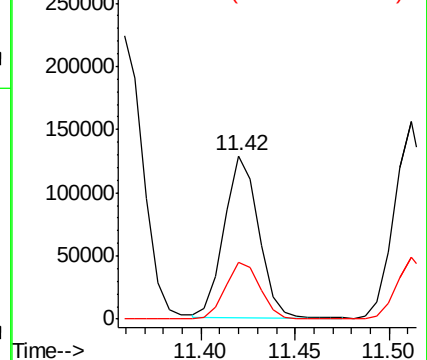
MMDadoda

10/17/2018 9:04:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.15 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005291.D

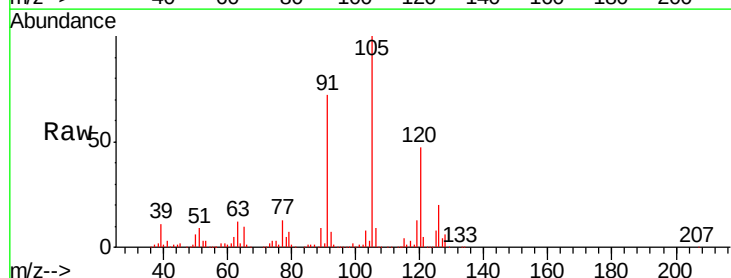
Acq: 12 Oct 2018 14:18

Tgt Ion: 105 Resp: 204410

Ion Ratio Lower Upper

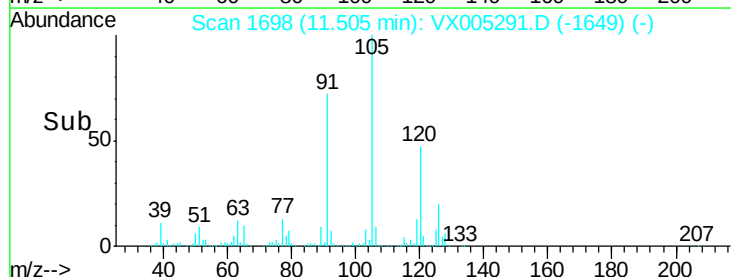
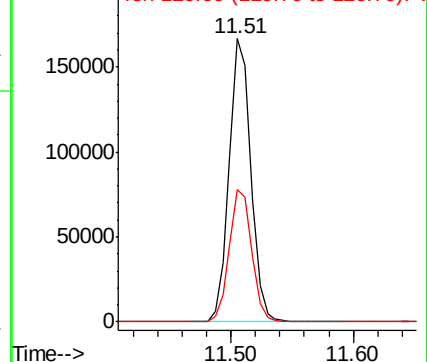
105 100

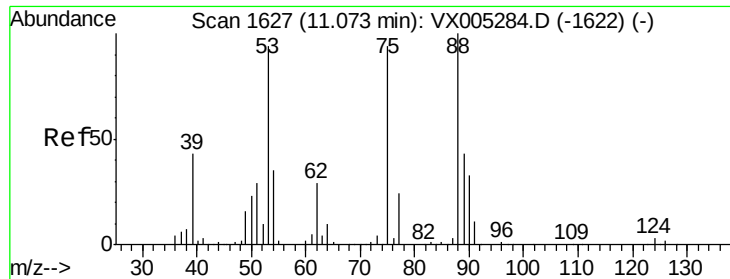
120 48.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.98 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion: 75 Resp: 22883

Ion Ratio Lower Upper

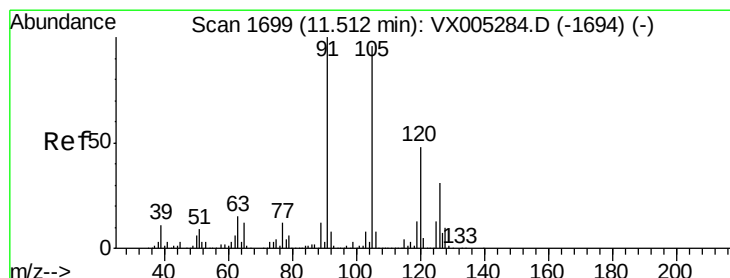
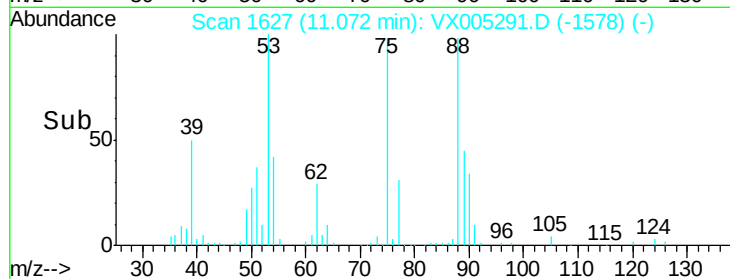
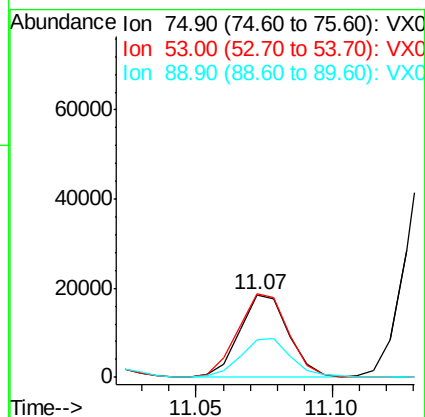
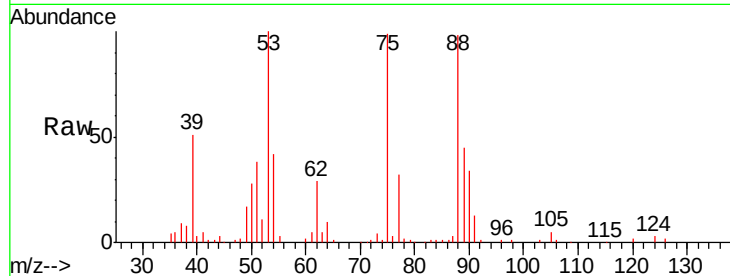
75 100

53 105.9 80.1 120.1

89 50.0 37.2 55.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



#82

4-Chlorotoluene

Concen: 19.88 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005291.D

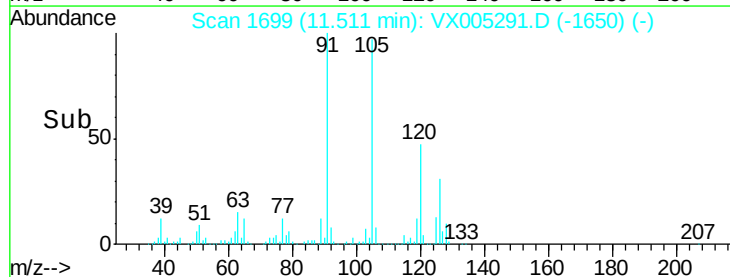
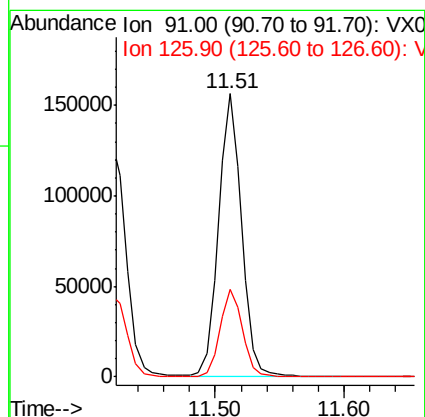
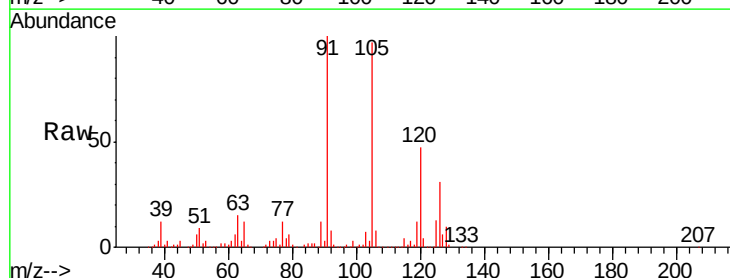
Acq: 12 Oct 2018 14:18

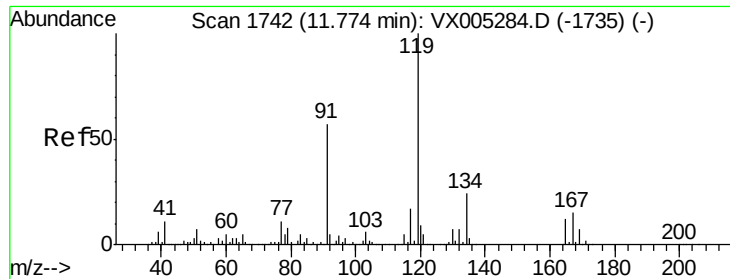
Tgt Ion: 91 Resp: 196782

Ion Ratio Lower Upper

91 100

126 30.5 15.5 46.5





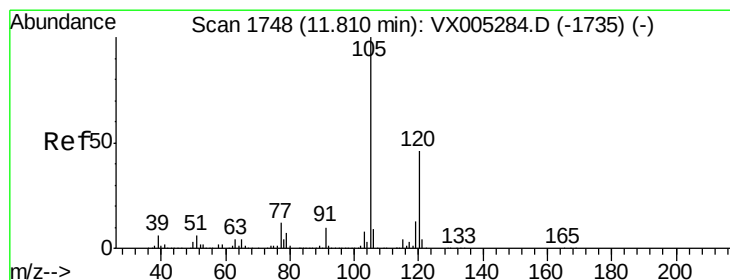
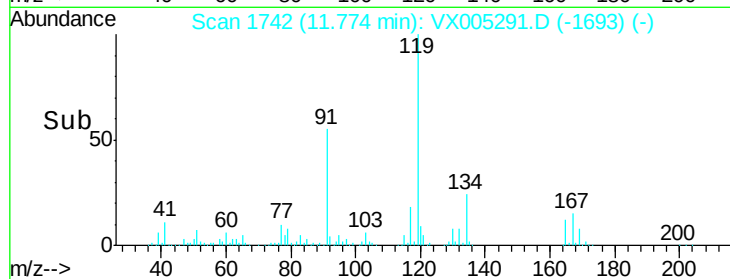
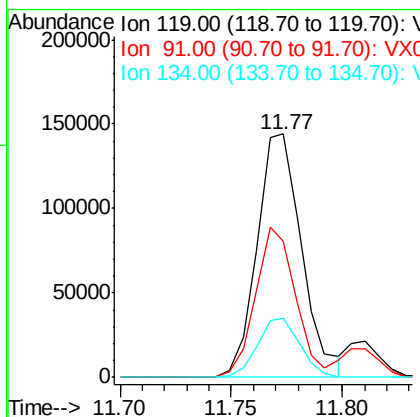
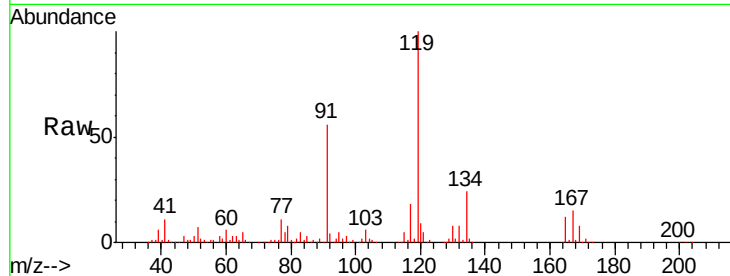
#83
 tert-Butylbenzene
 Concen: 19.57 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	201071		
91	55.5	27.0	81.0	
134	23.0	11.7	35.1	

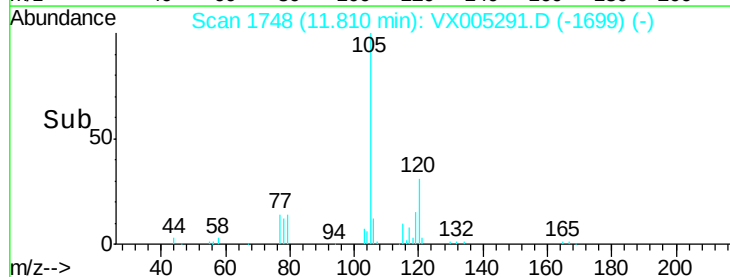
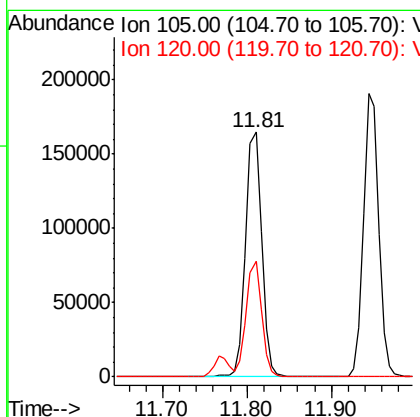
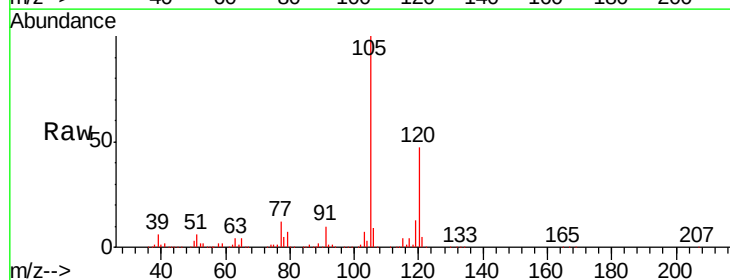
Manual Integrations
 APPROVED

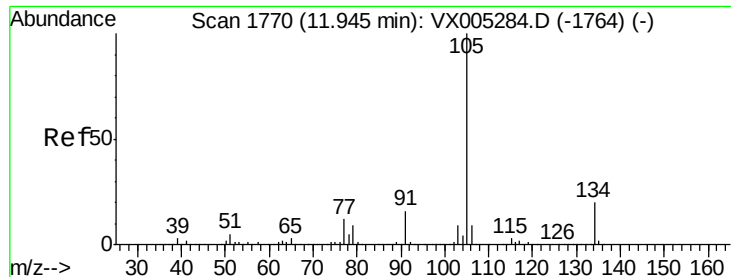
MMDadoda
 10/17/2018 9:04:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.08 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209673		
120	45.2	23.2	69.6	





#85

sec-Butylbenzene

Concen: 19.89 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS01

Tgt Ion:105 Resp: 241869

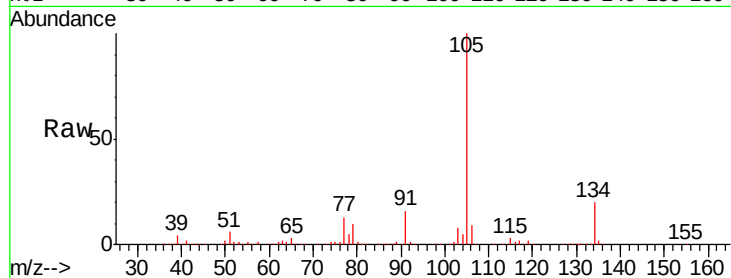
Ion Ratio Lower Upper

105 100

134 20.3 10.5 31.5

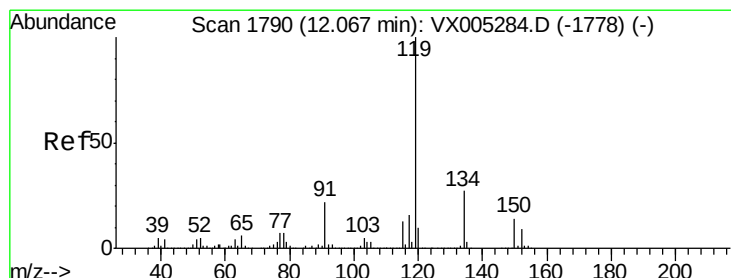
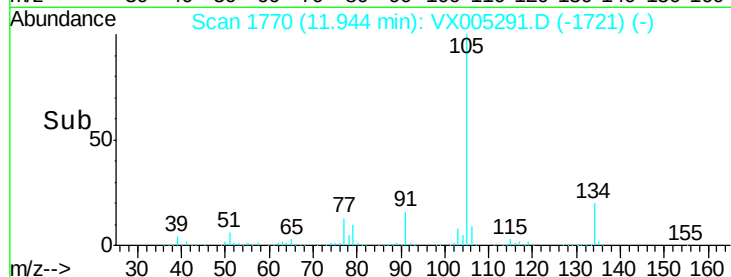
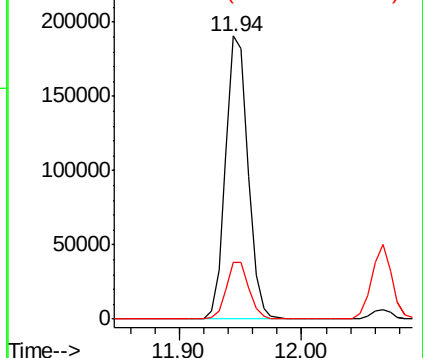
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:49 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.60 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005291.D

Acq: 12 Oct 2018 14:18

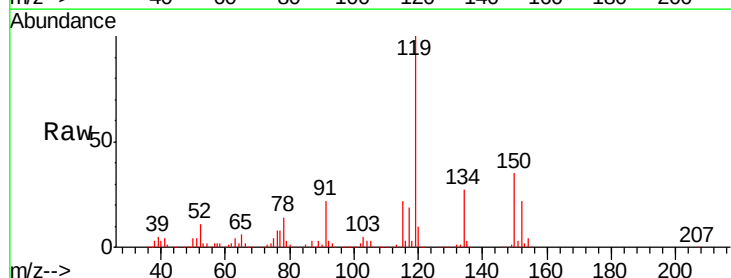
Tgt Ion:119 Resp: 215412

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

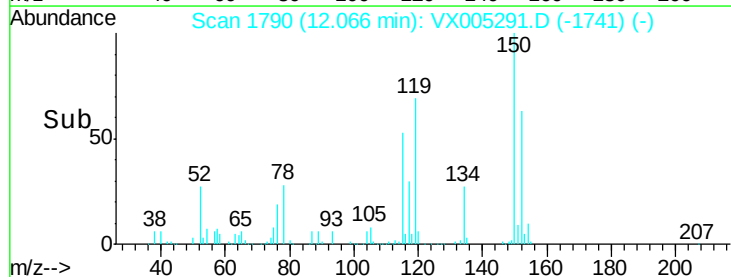
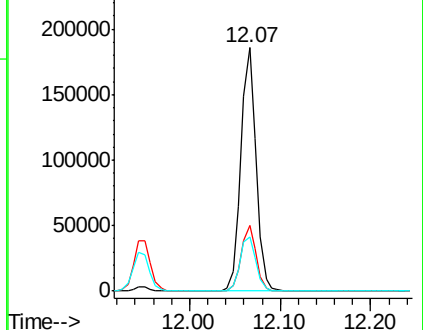
91 23.3 10.9 32.7

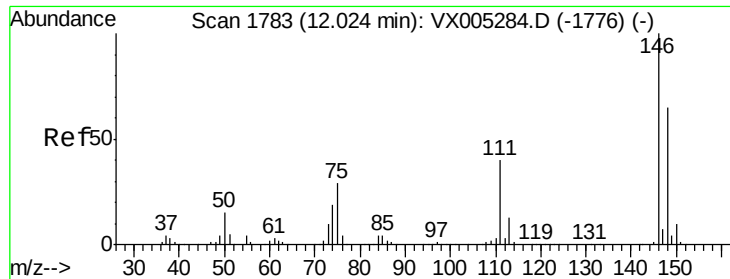


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





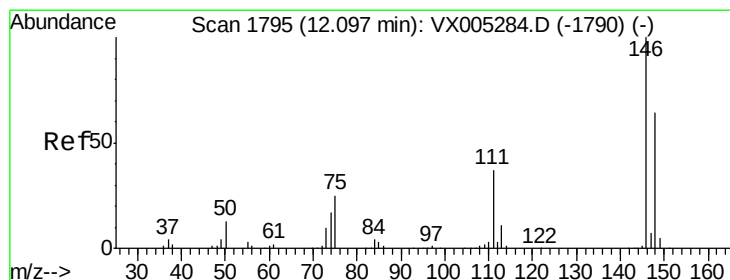
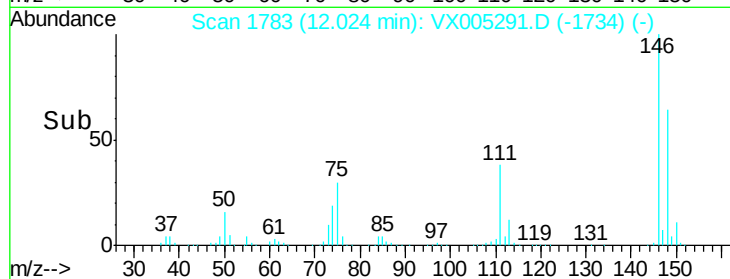
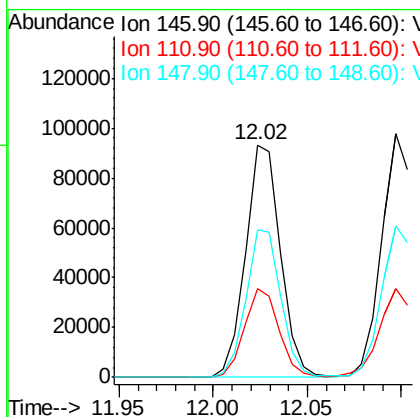
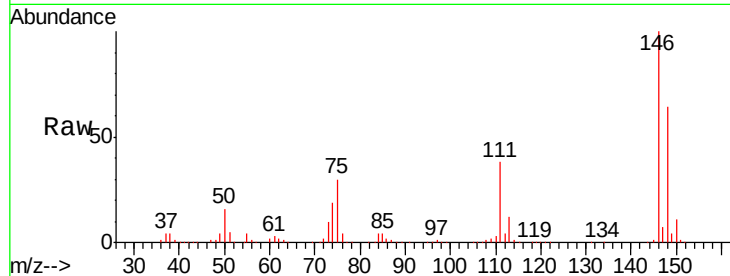
#87
 1,3-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	63.5	32.1	96.5

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005291.D
 Acq: 12 Oct 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	63.8	32.0	96.0

