

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005411.D
 Acq On : 18 Oct 2018 01:07
 Operator : JC/MD
 Sample : J5569-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:56 PM

Quant Time: Oct 19 02:31:01 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	235478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188771	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	132740	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	5.50	113	109830	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	8.71	98	409776	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.14	95	156721	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	88845	48.26	ug/l	97
3) Chloromethane	1.32	50	123238	46.19	ug/l	100
4) Vinyl Chloride	1.40	62	132087	48.88	ug/l	98
5) Bromomethane	1.64	94	73707	48.31	ug/l	98
6) Chloroethane	1.71	64	86992	55.03	ug/l	100
7) Trichlorofluoromethane	1.92	101	185027	51.30	ug/l	96
8) Diethyl Ether	2.19	74	91999	59.74	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	107381	51.59	ug/l	96
10) Methyl Iodide	2.51	142	132766	57.76	ug/l	99
11) Tert butyl alcohol	3.08	59	188206	255.29	ug/l	100
12) 1,1-Dichloroethene	2.37	96	107483	52.12	ug/l	94
13) Acrolein	2.29	56	84490	178.99	ug/l	97
14) Allyl chloride	2.72	41	231319	51.09	ug/l	95
15) Acrylonitrile	3.15	53	435007	260.39	ug/l	98
16) Acetone	2.45	43	402926	266.65	ug/l	# 86
17) Carbon Disulfide	2.56	76	292283	46.78	ug/l	99
18) Methyl Acetate	2.78	43	234772	54.61	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	406837	56.01	ug/l	98
20) Methylene Chloride	2.85	84	129077	58.86	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	115571	50.57	ug/l	97
22) Diisopropyl ether	3.87	45	390241	51.31	ug/l	96
23) Vinyl Acetate	3.82	43	1713718	257.80	ug/l	97
24) 1,1-Dichloroethane	3.70	63	234353	53.77	ug/l	98
25) 2-Butanone	4.70	43	555507	251.26	ug/l	95
26) 2,2-Dichloropropane	4.58	77	134797	41.35	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	125665	50.59	ug/l	98
28) Bromochloromethane	5.01	49	105346	53.02	ug/l	95
29) Tetrahydrofuran	5.15	42	364221	258.27	ug/l	94
30) Chloroform	5.21	83	211012	52.16	ug/l	99
31) Cyclohexane	5.57	56	173422	48.27	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	182397	51.81	ug/l	99
36) 1,1-Dichloropropene	5.80	75	151570	45.11	ug/l	99
37) Ethyl Acetate	4.85	43	200426	46.38	ug/l	98
38) Carbon Tetrachloride	5.78	117	158795	47.03	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005411.D
 Acq On : 18 Oct 2018 01:07
 Operator : JC/MD
 Sample : J5569-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:56 PM

Quant Time: Oct 19 02:31:01 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	171415	47.14	ug/l	97
40) Benzene	6.14	78	466479	46.28	ug/l	100
41) Methacrylonitrile	5.05	41	119300	51.50	ug/l	95
42) 1,2-Dichloroethane	6.20	62	169363	47.59	ug/l	97
43) Isopropyl Acetate	6.46	43	305442	53.06	ug/l	97
44) Trichloroethene	7.21	130	127709	49.62	ug/l	98
45) 1,2-Dichloropropane	7.52	63	127049	51.38	ug/l	99
46) Dibromomethane	7.66	93	82861	50.78	ug/l	98
47) Bromodichloromethane	7.90	83	161908	53.64	ug/l	99
48) Methyl methacrylate	7.77	41	159433	53.40	ug/l	95
49) 1,4-Dioxane	7.76	88	65332	948.78	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1086469	272.59	ug/l	95
52) Toluene	8.79	92	295725	53.63	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	176706	54.09	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	184847	52.22	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	126031	53.96	ug/l	96
56) Ethyl methacrylate	9.18	69	197498	58.00	ug/l	96
57) 1,3-Dichloropropane	9.37	76	208656	53.52	ug/l	100
59) 2-Hexanone	9.50	43	857546	267.47	ug/l	94
60) Dibromochloromethane	9.59	129	134390	55.66	ug/l	100
61) 1,2-Dibromoethane	9.67	107	130842	53.38	ug/l	100
64) Tetrachloroethene	9.34	164	123376	47.01	ug/l	98
65) Chlorobenzene	10.14	112	350040	50.48	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	127527	51.61	ug/l	99
67) Ethyl Benzene	10.25	91	580060	51.46	ug/l	97
68) m/p-Xylenes	10.36	106	449914	102.83	ug/l	95
69) o-Xylene	10.70	106	219801	52.09	ug/l	99
70) Styrene	10.71	104	372717	53.70	ug/l	98
71) Bromoform	10.86	173	114126	51.68	ug/l	99
73) Isopropylbenzene	11.02	105	597160	53.21	ug/l	99
74) N-amyl acetate	10.90	43	284939	52.64	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	211812	50.04	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	191946m	52.42	ug/l	
77) Bromobenzene	11.26	156	163384	50.92	ug/l	99
78) n-propylbenzene	11.36	91	676828	52.41	ug/l	100
79) 2-Chlorotoluene	11.42	91	400752	50.67	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	505742	52.63	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	56094	46.55	ug/l	98
82) 4-Chlorotoluene	11.51	91	479073	51.10	ug/l	100
83) tert-Butylbenzene	11.77	119	516055	53.03	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	525633	53.15	ug/l	99
85) sec-Butylbenzene	11.94	105	604503	52.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	547518	52.60	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	302858	50.51	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	309377	50.44	ug/l	99
89) n-Butylbenzene	12.39	91	480168	50.81	ug/l	98
90) Hexachloroethane	12.60	117	91227	50.85	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	308970	50.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50358	48.77	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	236697	52.73	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
Data File : VX005411.D
Acq On : 18 Oct 2018 01:07
Operator : JC/MD
Sample : J5569-03MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM

Quant Time: Oct 19 02:31:01 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)
94) Hexachlorobutadiene	13.79	225	115894	48.88	ug/l	97
95) Naphthalene	13.83	128	719608	55.28	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	242056	52.70	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 168 Resp: 235478

Ion Ratio Lower Upper

168 100

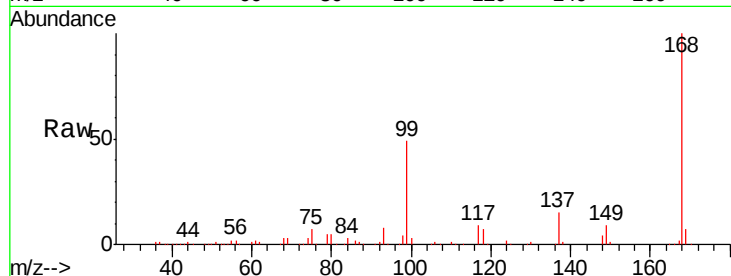
99 49.4 39.9 59.9

Manual Integrations

APPROVED

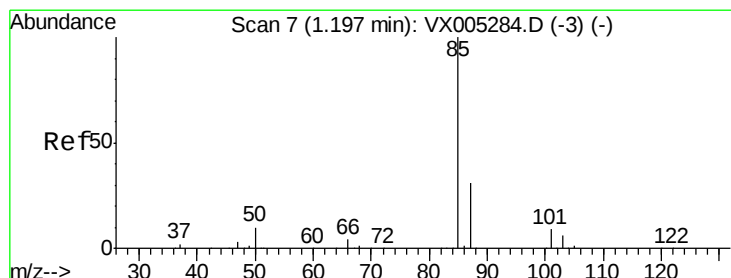
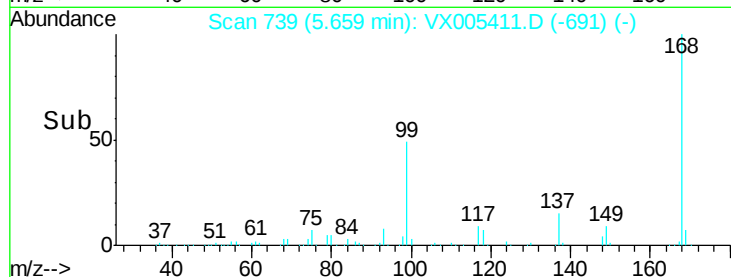
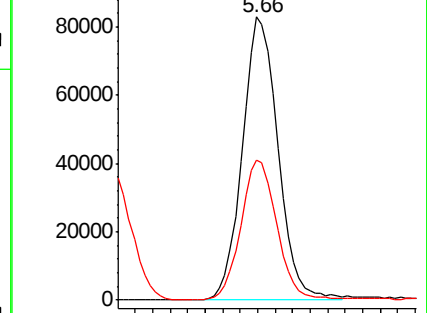
MMDadoda

10/19/2018 12:23:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.26 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005411.D

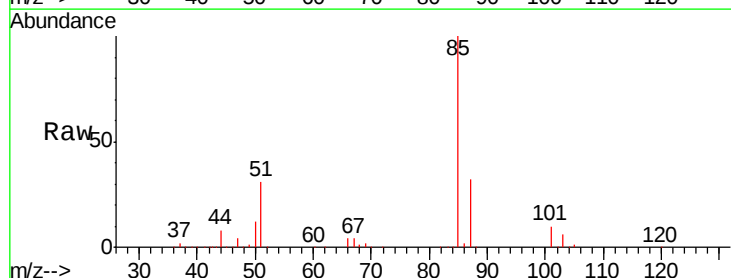
Acq: 18 Oct 2018 01:07

Tgt Ion: 85 Resp: 88845

Ion Ratio Lower Upper

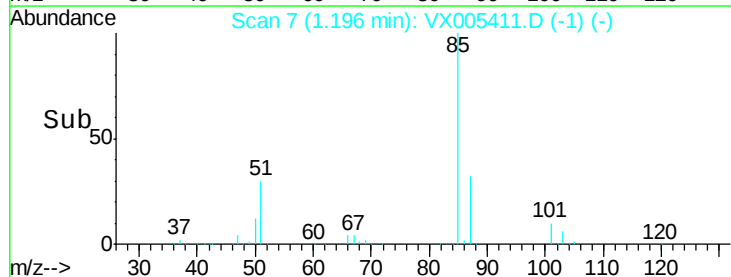
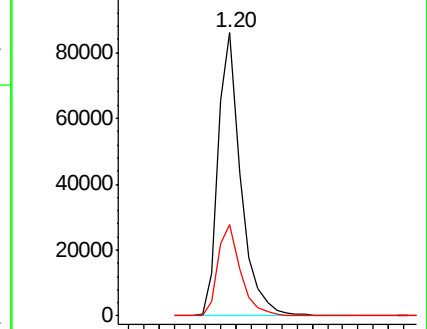
85 100

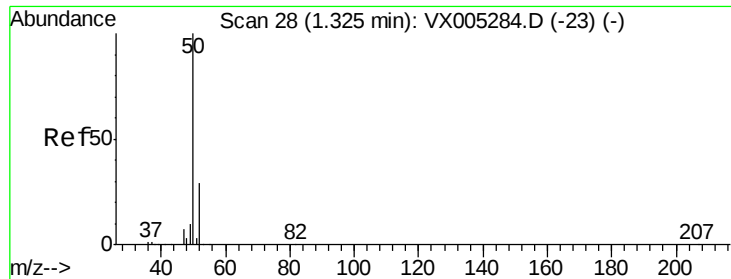
87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.19 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 50 Resp: 123238

Ion Ratio Lower Upper

50 100

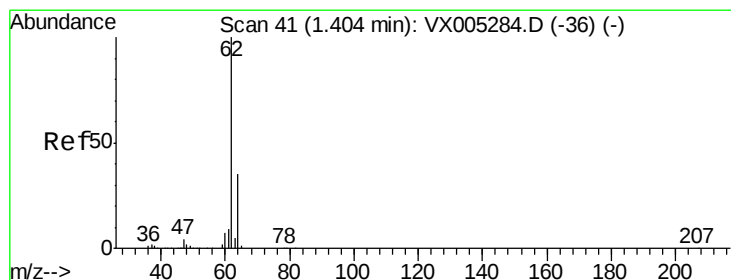
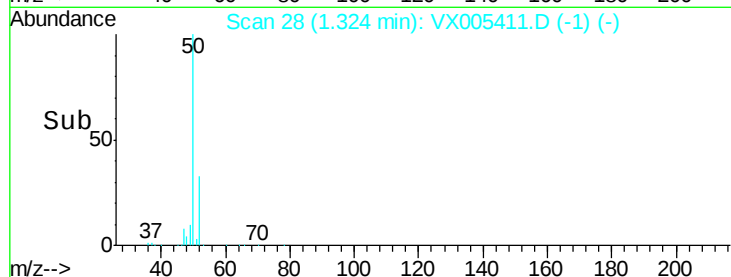
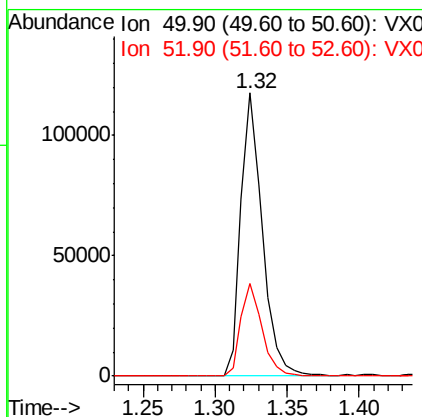
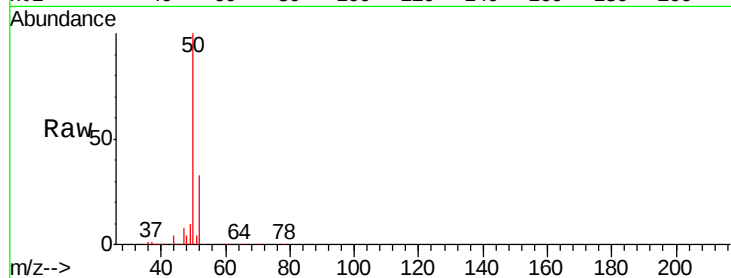
52 32.6 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



#4

Vinyl Chloride

Concen: 48.88 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005411.D

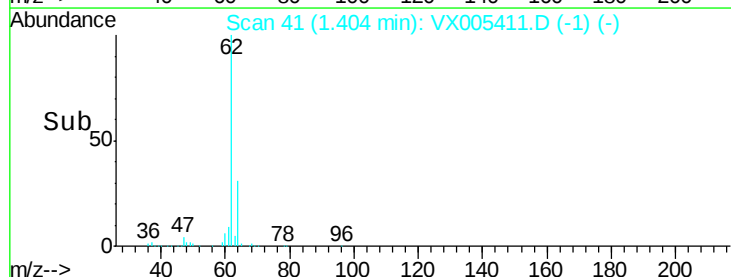
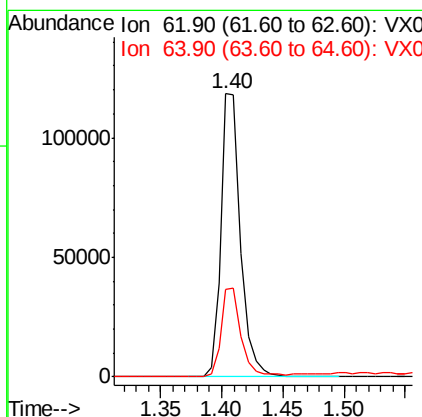
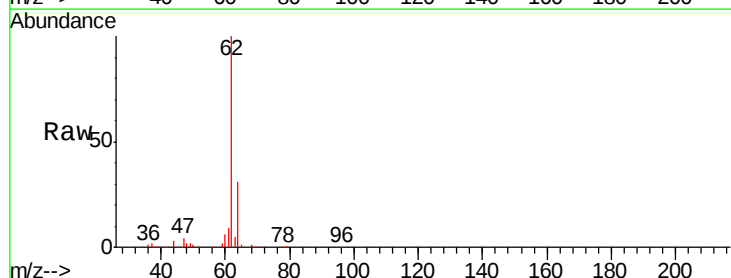
Acq: 18 Oct 2018 01:07

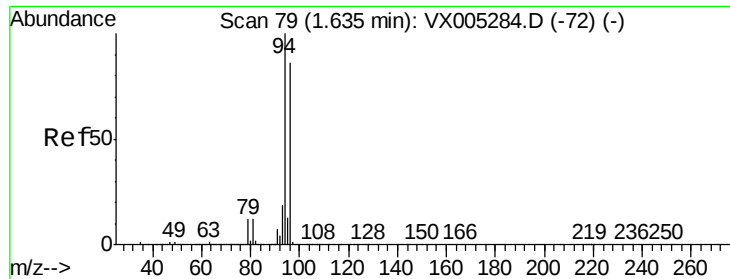
Tgt Ion: 62 Resp: 132087

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 48.31 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 94 Resp: 73707

Ion Ratio Lower Upper

94 100

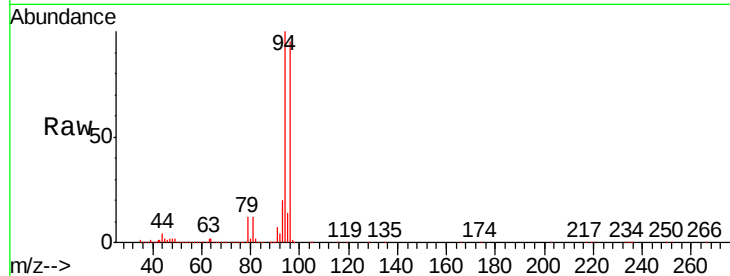
96 94.5 74.5 111.7

Manual Integrations

APPROVED

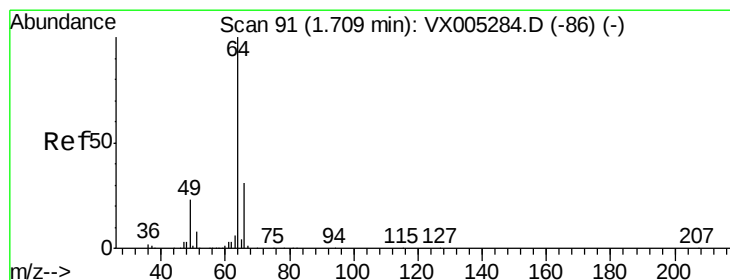
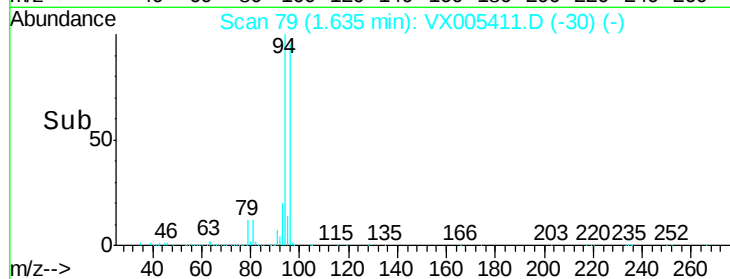
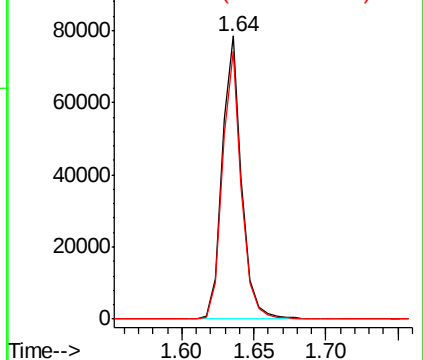
MMDadoda

10/19/2018 12:23:56 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.03 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005411.D

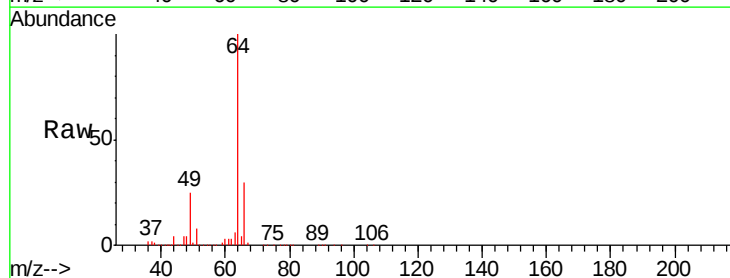
Acq: 18 Oct 2018 01:07

Tgt Ion: 64 Resp: 86992

Ion Ratio Lower Upper

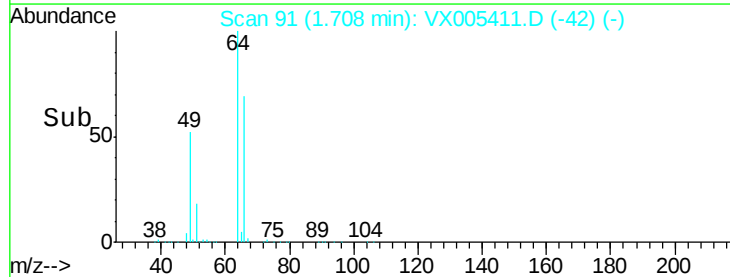
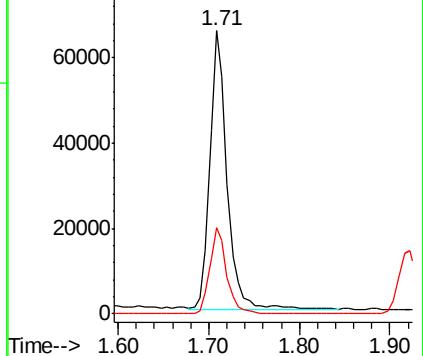
64 100

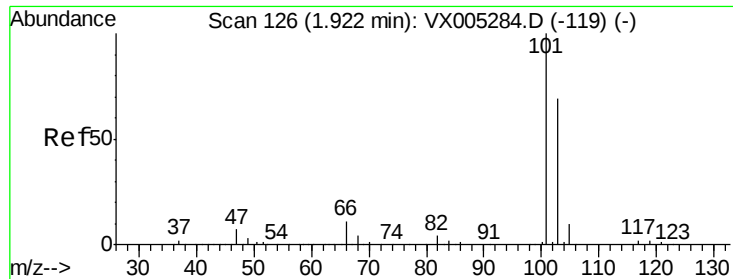
66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

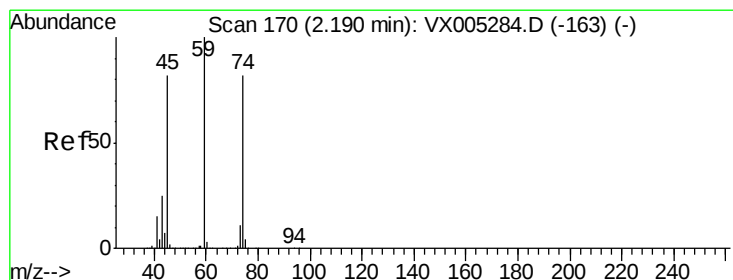
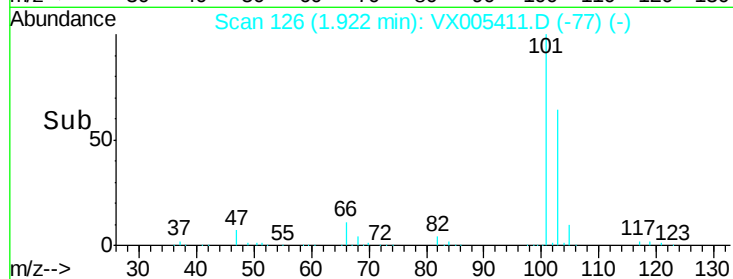
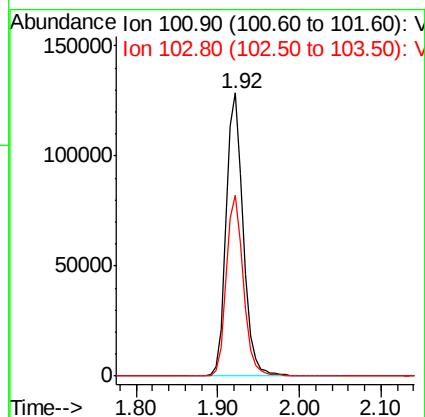
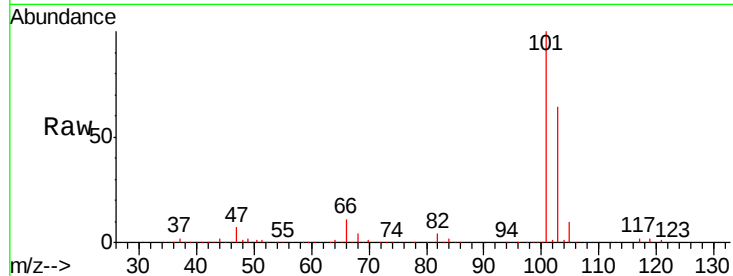
Trichlorofluoromethane
 Concen: 51.30 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	185027		
103	63.8	48.9	73.3	

Manual Integrations
 APPROVED

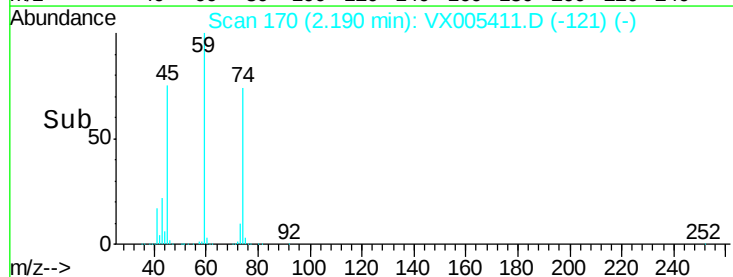
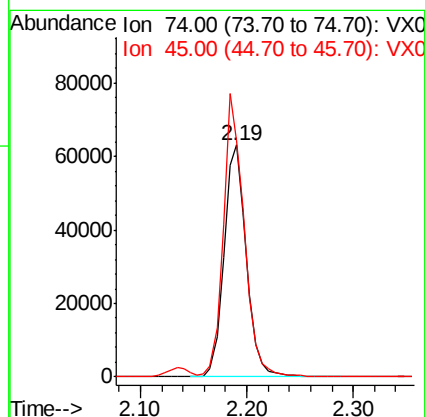
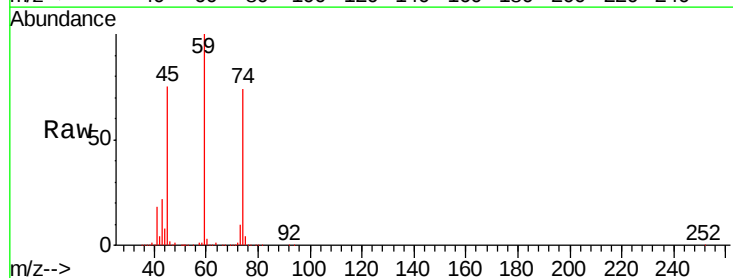
MMDadoda
 10/19/2018 12:23:56 PM

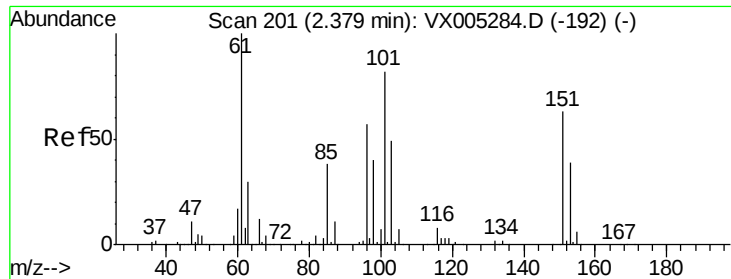


#8

Diethyl Ether
 Concen: 59.74 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	91999		
45	112.6	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.59 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

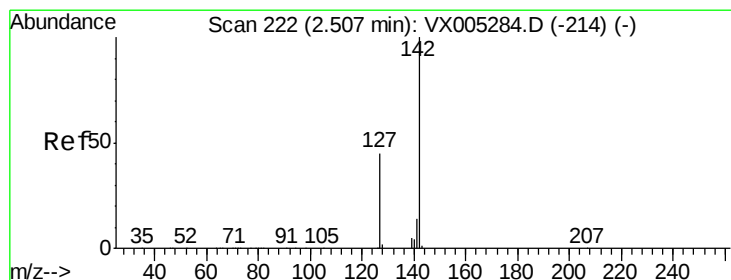
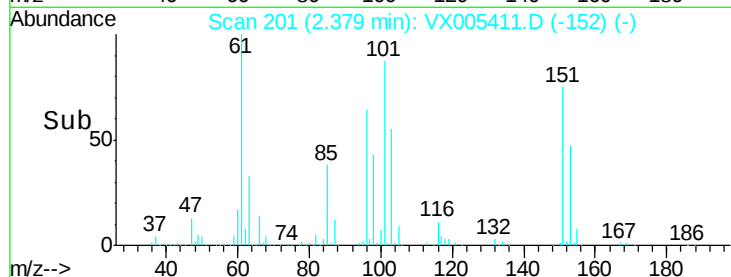
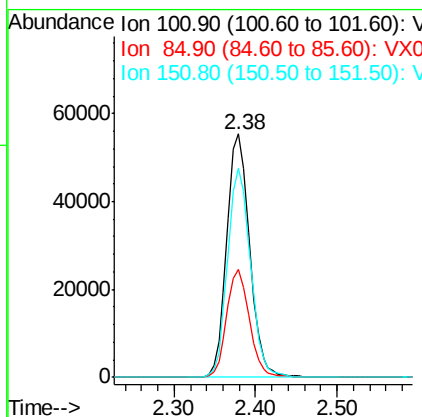
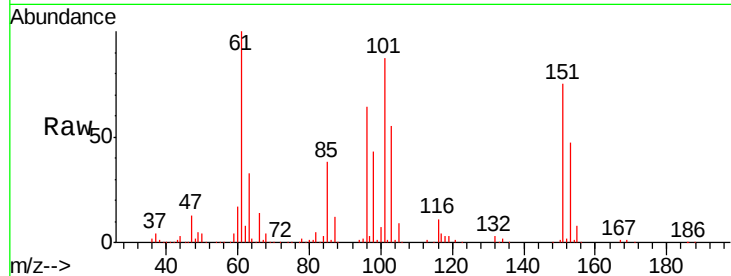
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	101	Resp:	107381
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	85.7	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#10

Methyl Iodide

Concen: 57.76 ug/l

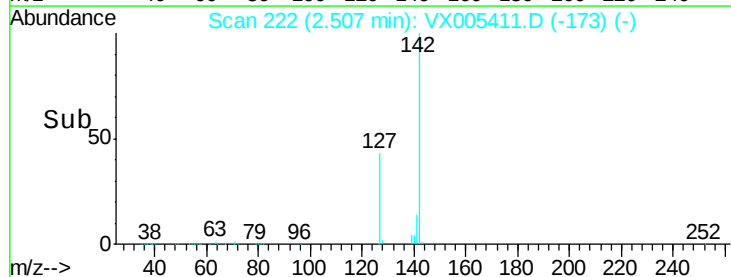
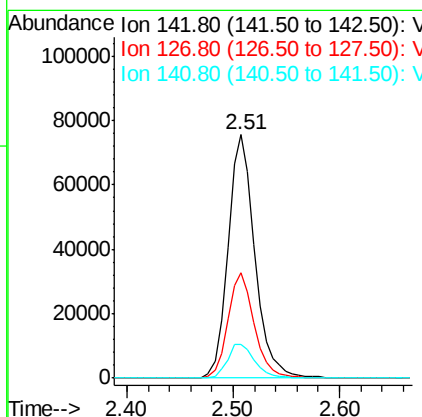
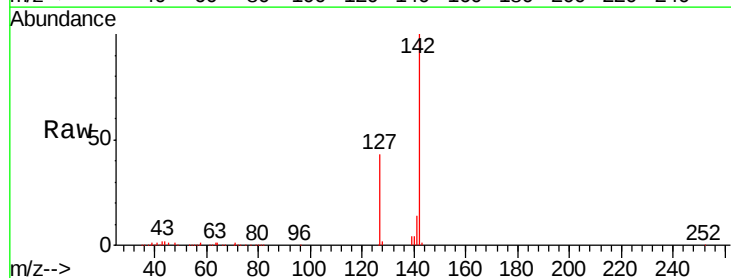
RT: 2.51 min Scan# 222

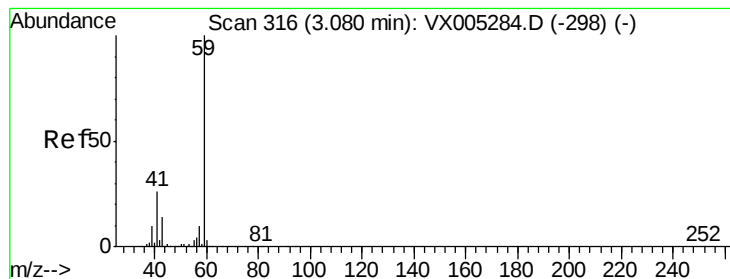
Delta R.T. 0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	142	Resp:	132766
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.4	11.4	17.0





#11

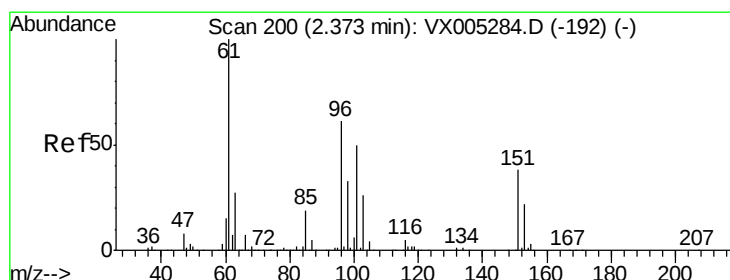
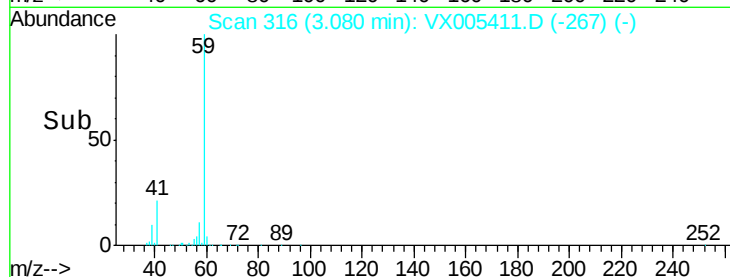
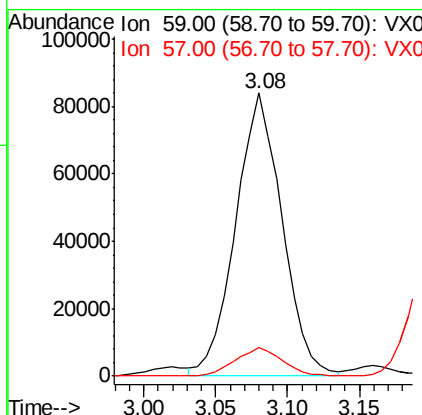
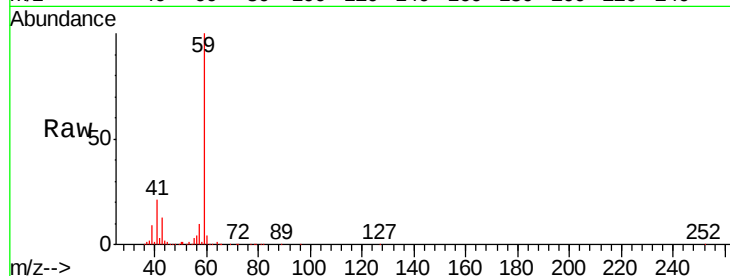
Tert butyl alcohol
Concen: 255.29 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion: 59 Resp: 188206
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

Manual Integrations
APPROVED

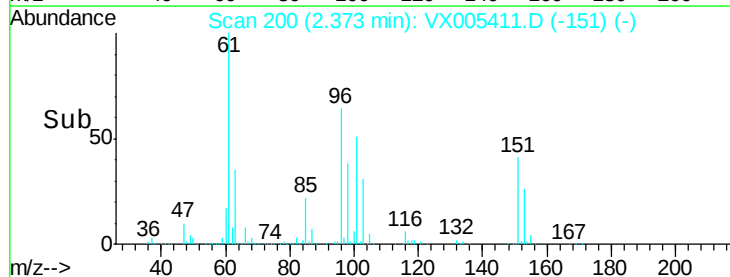
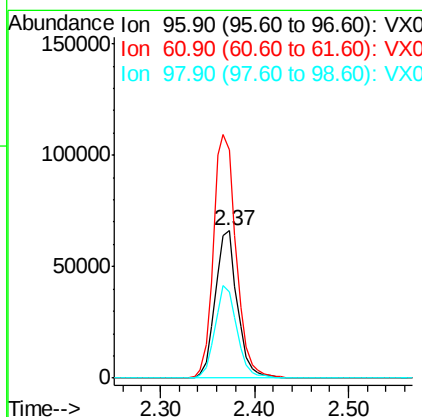
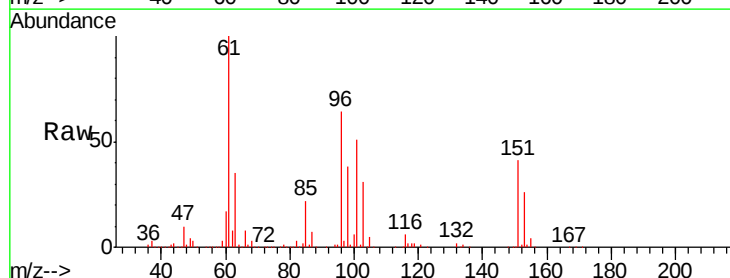
MMDadoda
10/19/2018 12:23:56 PM

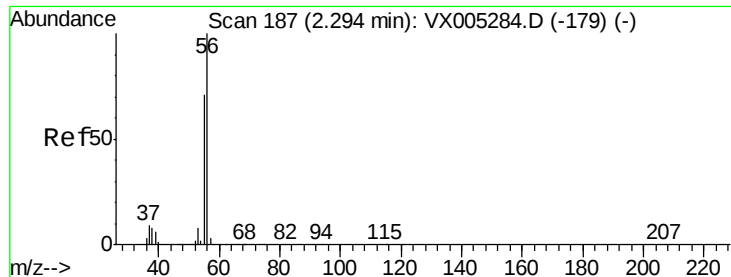


#12

1,1-Dichloroethene
Concen: 52.12 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 96 Resp: 107483
Ion Ratio Lower Upper
96 100
61 154.9 128.8 193.2
98 58.9 52.2 78.2





#13

Acrolein

Concen: 178.99 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 56 Resp: 84490

Ion Ratio Lower Upper

56 100

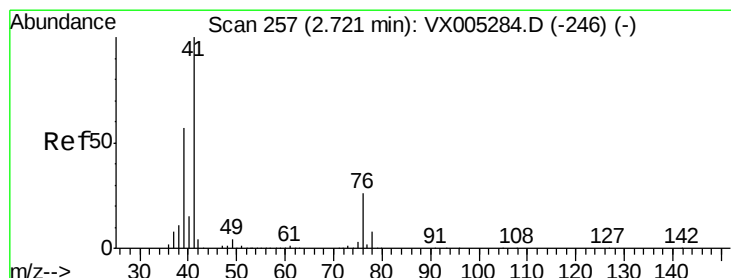
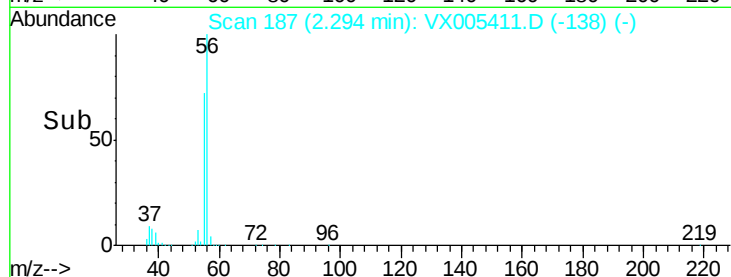
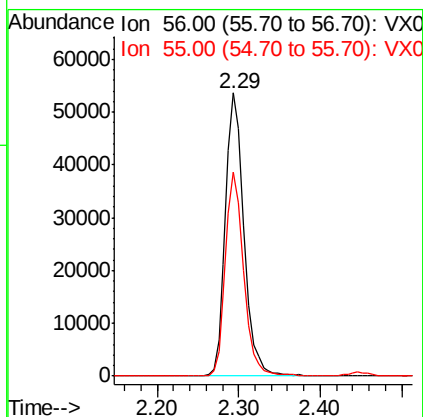
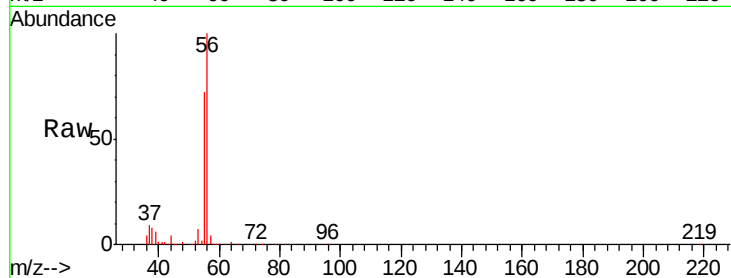
55 70.4 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



#14

Allyl chloride

Concen: 51.09 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

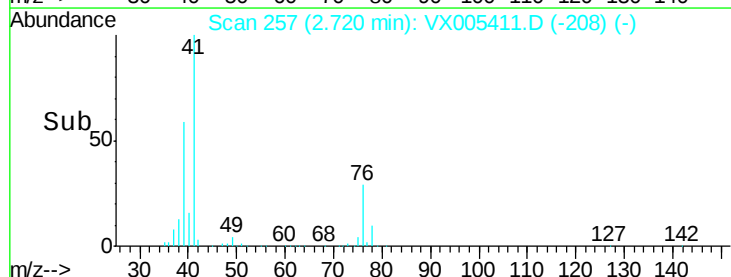
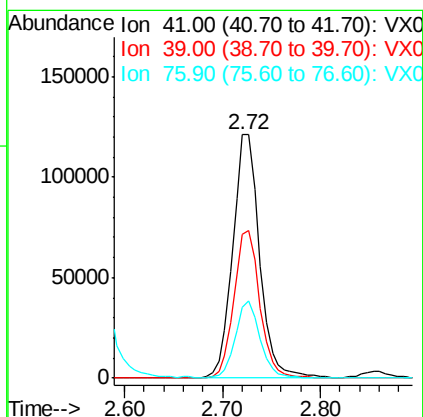
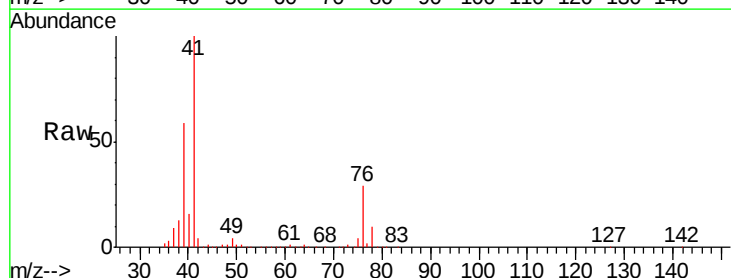
Tgt Ion: 41 Resp: 231319

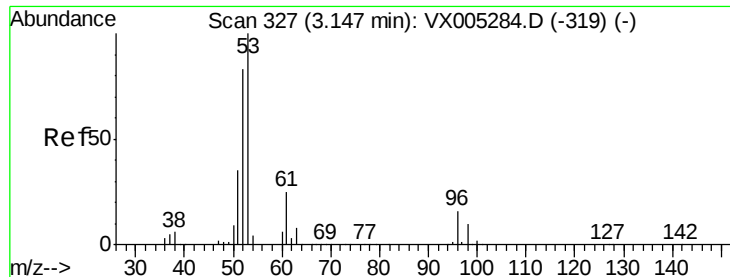
Ion Ratio Lower Upper

41 100

39 58.3 48.9 73.3

76 29.1 26.7 40.1





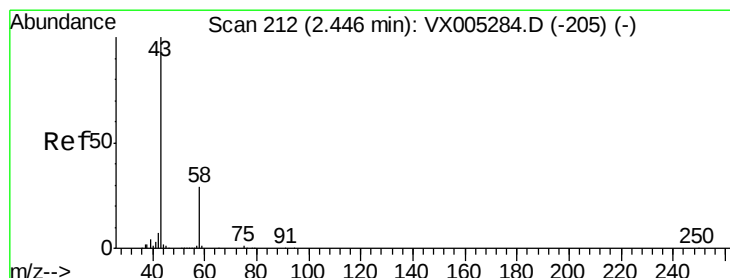
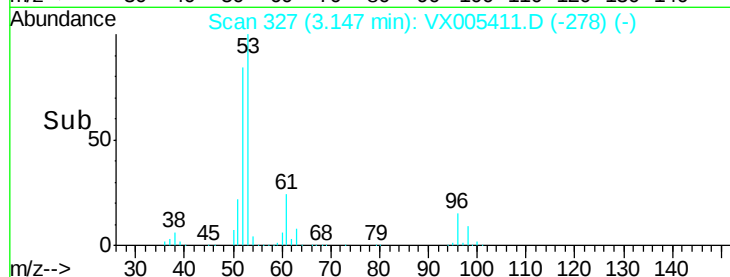
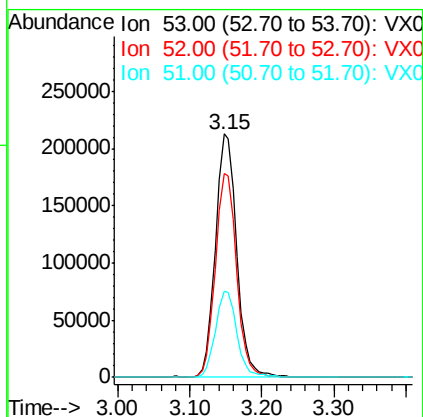
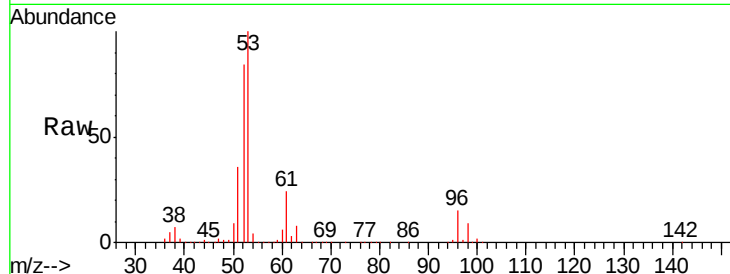
#15
Acrylonitrile
Concen: 260.39 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.2	97.8
51	35.7	28.2	42.2

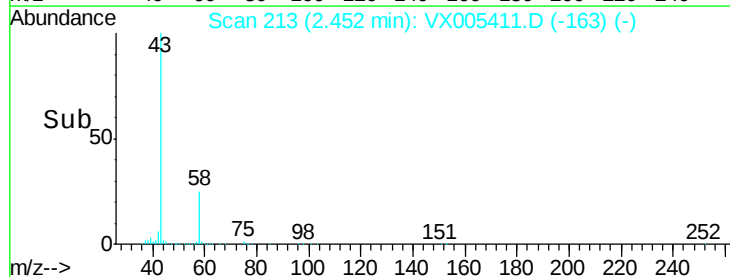
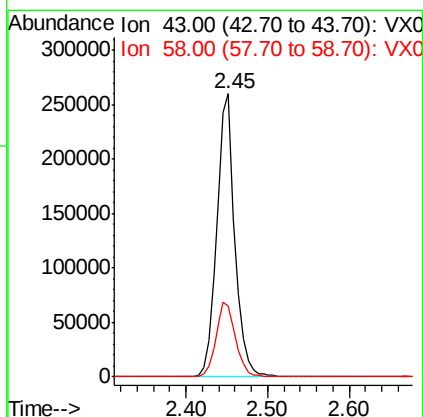
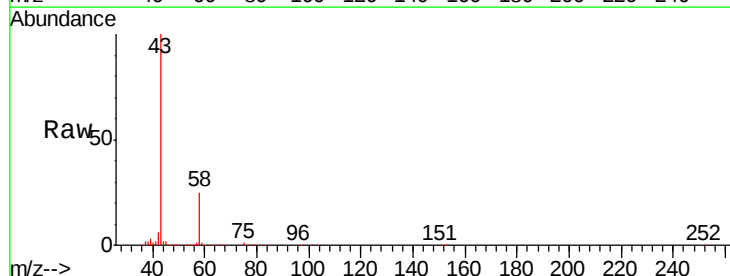
Manual Integrations
APPROVED

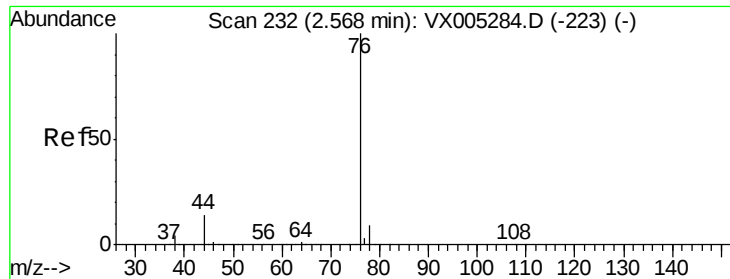
MMDadoda
10/19/2018 12:23:56 PM



#16
Acetone
Concen: 266.65 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.1	26.2	39.4#





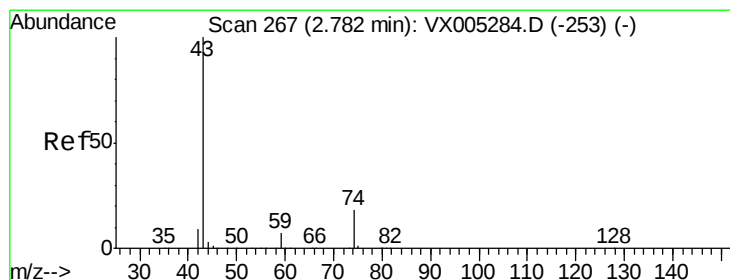
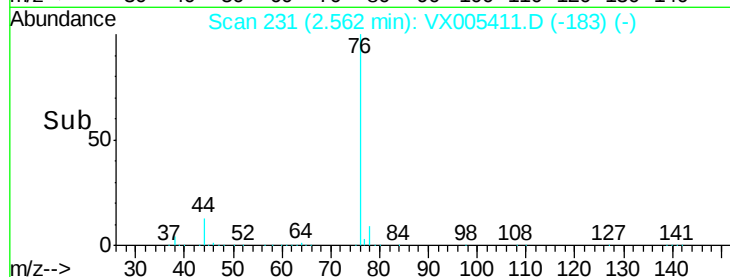
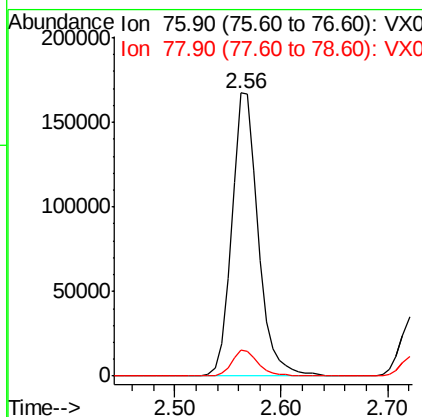
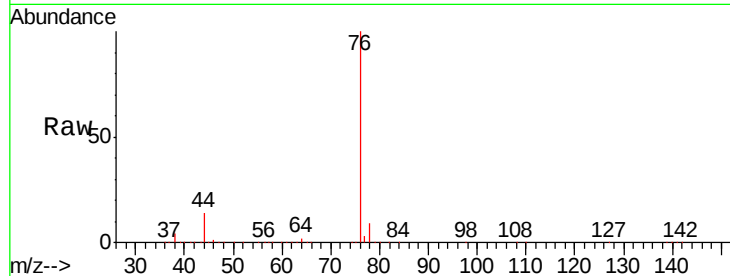
#17
Carbon Disulfide
Concen: 46.78 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

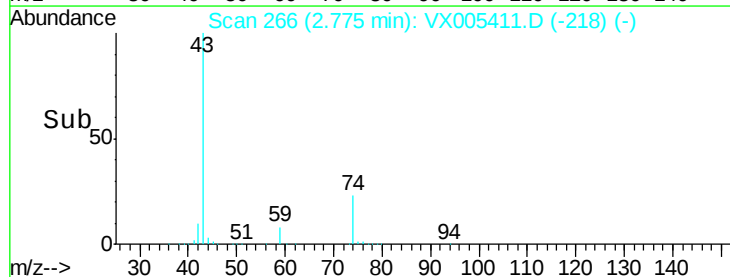
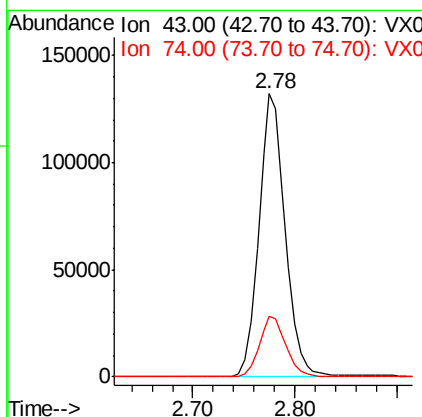
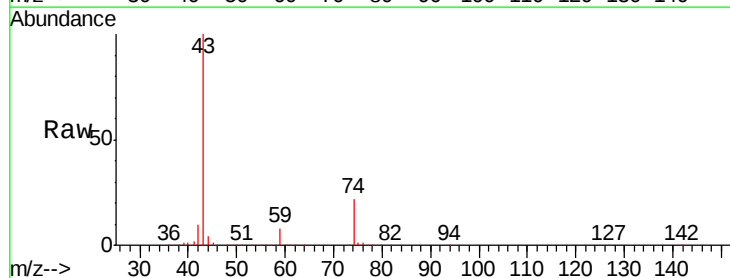
Manual Integrations
APPROVED

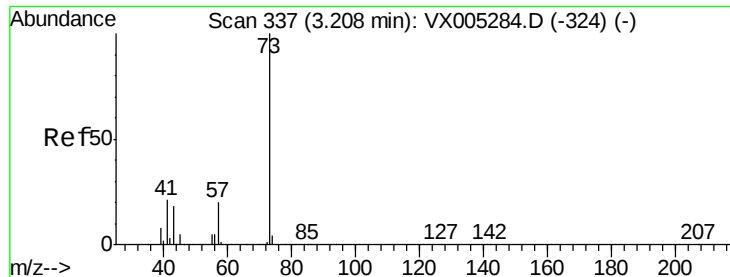
MMDadoda
10/19/2018 12:23:56 PM



#18
Methyl Acetate
Concen: 54.61 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.4	29.2





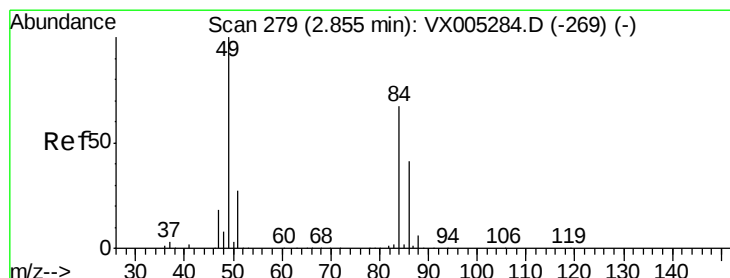
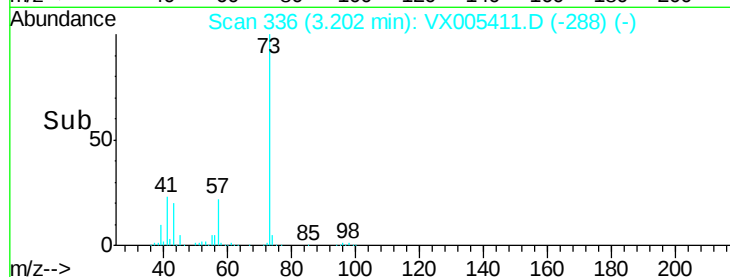
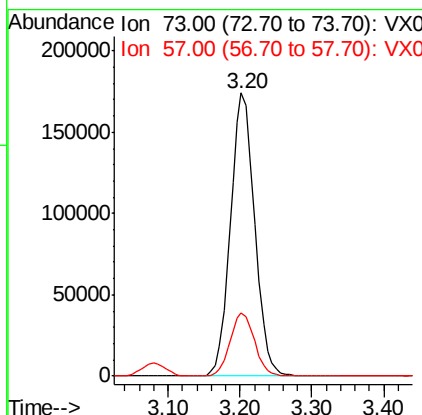
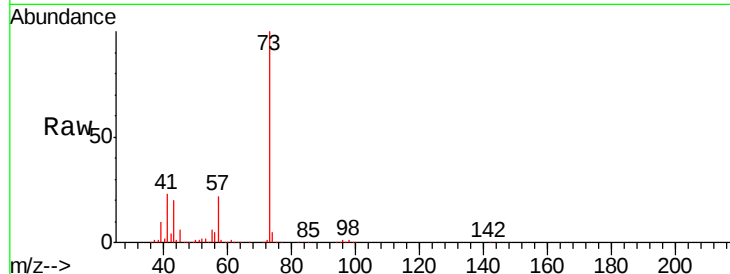
#19
Methyl tert-butyl Ether
Concen: 56.01 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion: 73 Resp: 406837
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7

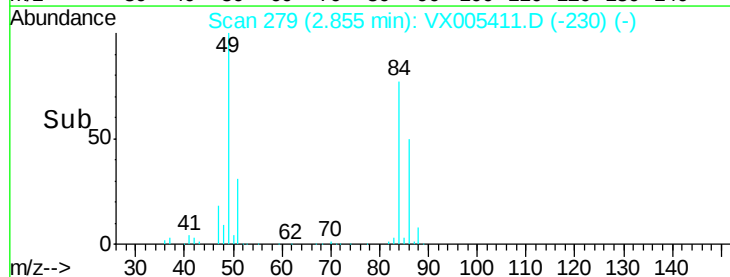
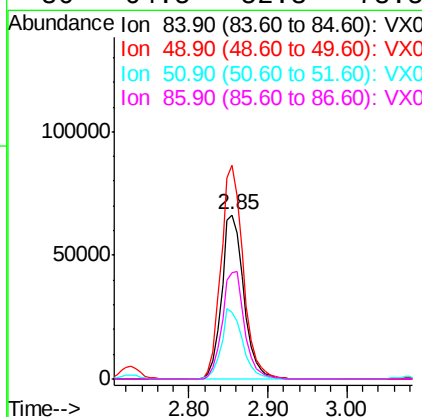
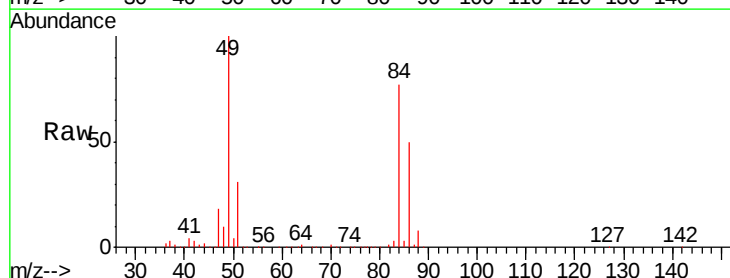
Manual Integrations
APPROVED

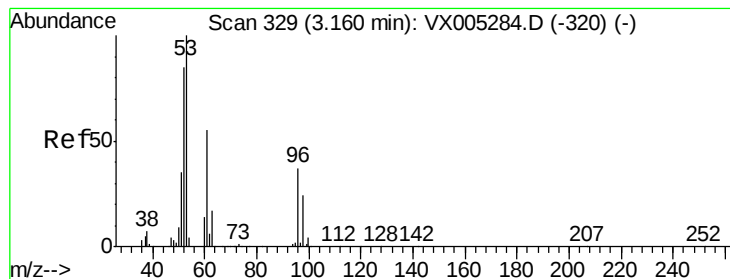
MMDadoda
10/19/2018 12:23:56 PM



#20
Methylene Chloride
Concen: 58.86 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 84 Resp: 129077
Ion Ratio Lower Upper
84 100
49 129.9 101.2 151.8
51 40.3 29.5 44.3
86 64.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.57 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 96 Resp: 115571
Ion Ratio Lower Upper

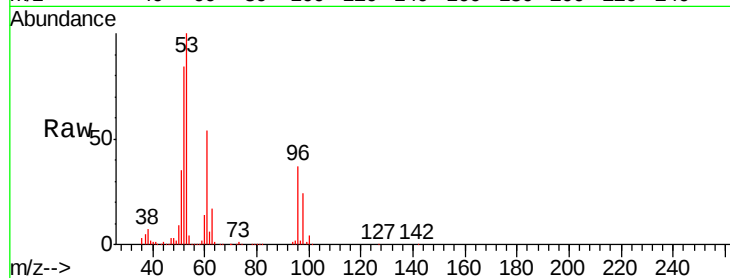
96 100

61 146.4 113.8 170.6

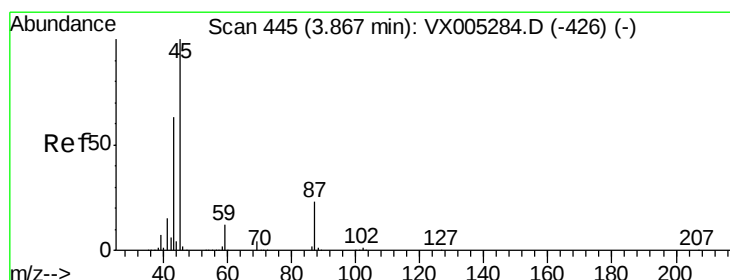
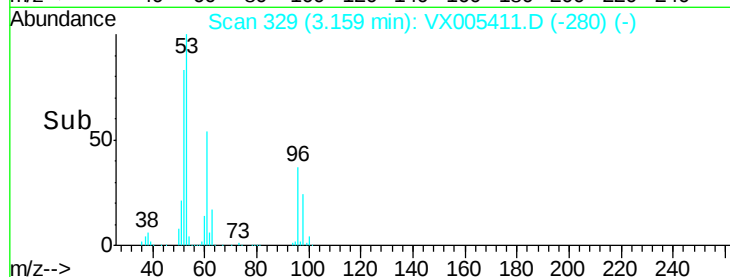
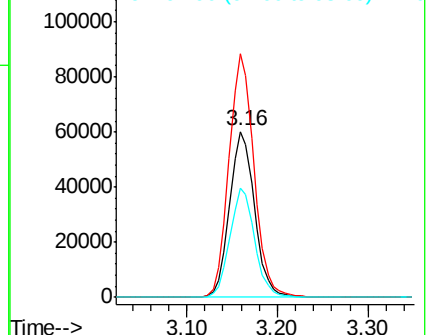
98 65.5 51.8 77.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.31 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion: 45 Resp: 390241
Ion Ratio Lower Upper

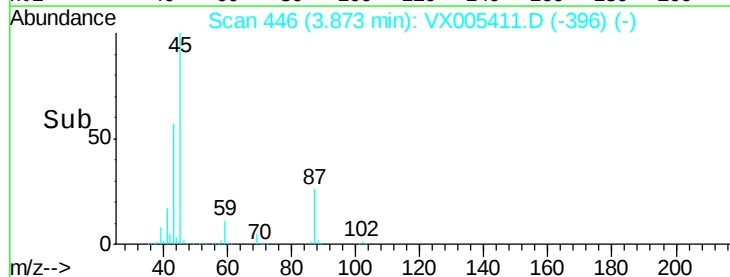
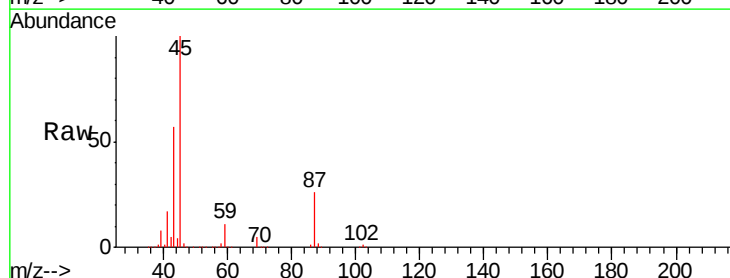
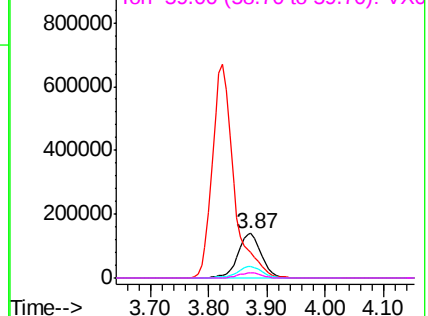
45 100

43 56.5 42.8 64.2

87 26.2 22.6 34.0

59 11.3 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.80 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 43 Resp: 1713718

Ion Ratio Lower Upper

43 100

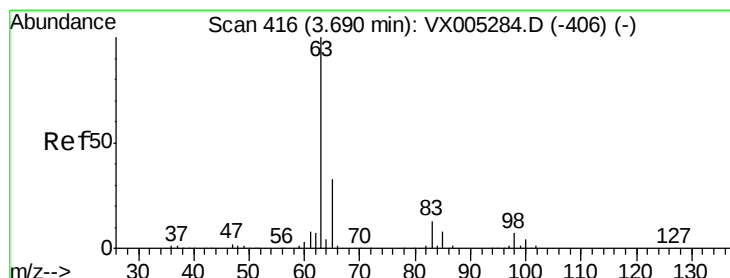
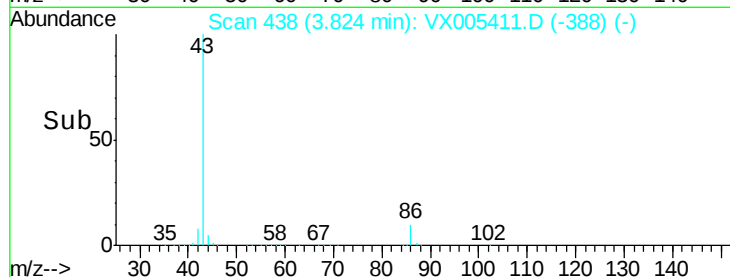
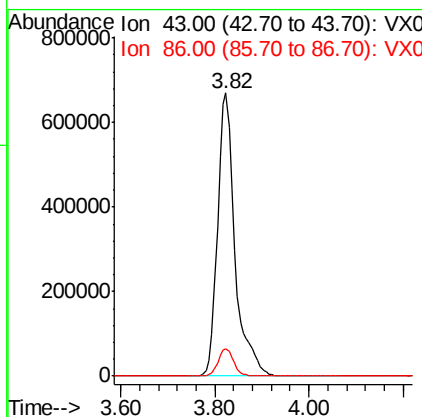
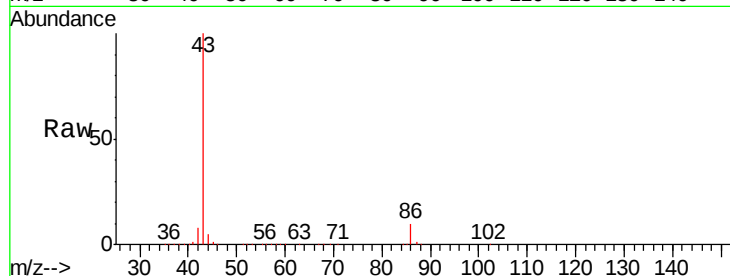
86 9.9 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



#24

1,1-Dichloroethane

Concen: 53.77 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

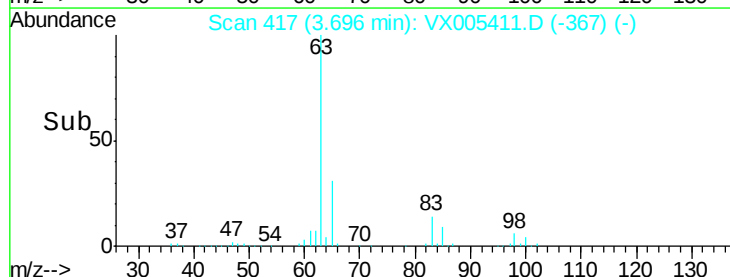
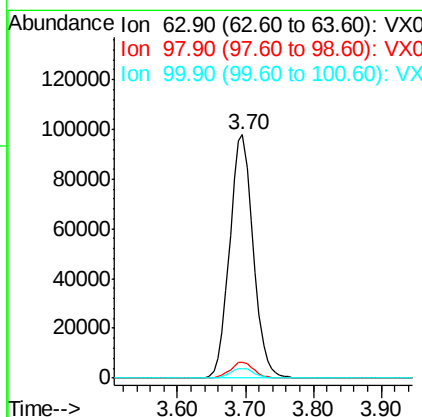
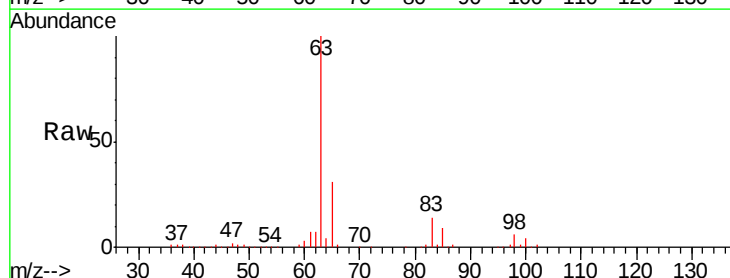
Tgt Ion: 63 Resp: 234353

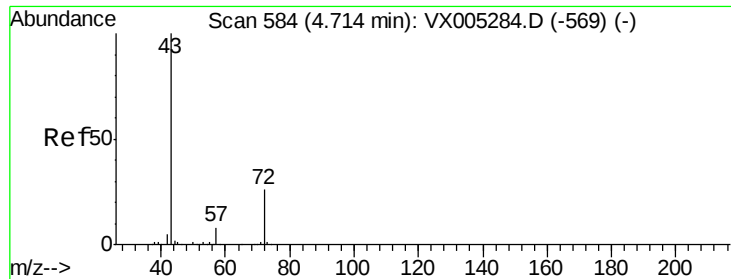
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 251.26 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 43 Resp: 555507

Ion Ratio Lower Upper

43 100

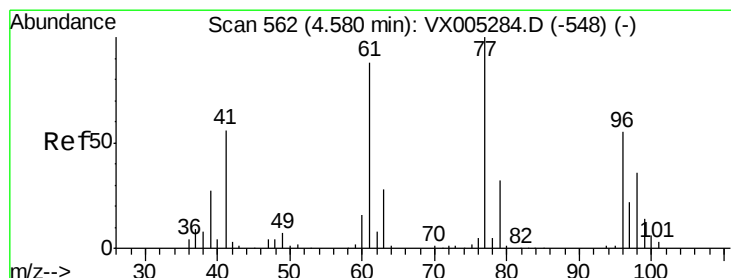
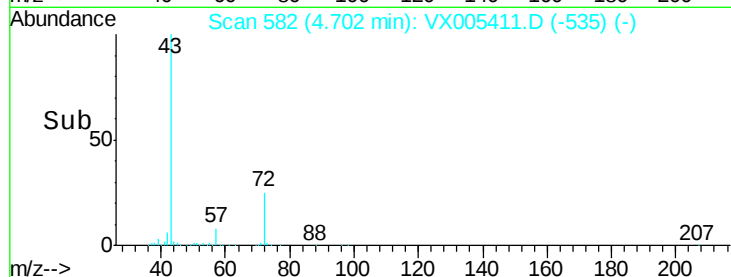
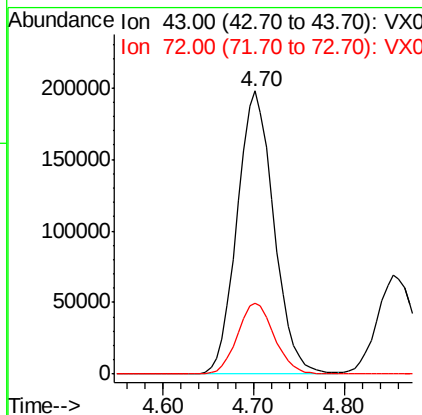
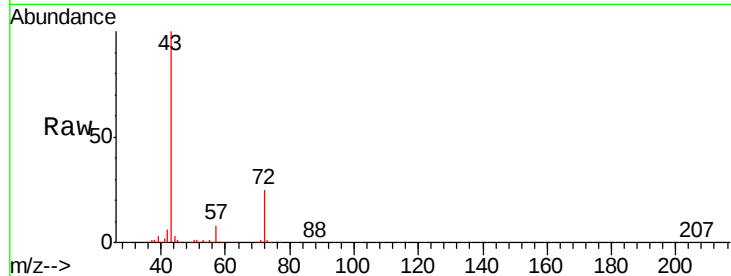
72 25.0 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



#26

2,2-Dichloropropane

Concen: 41.35 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005411.D

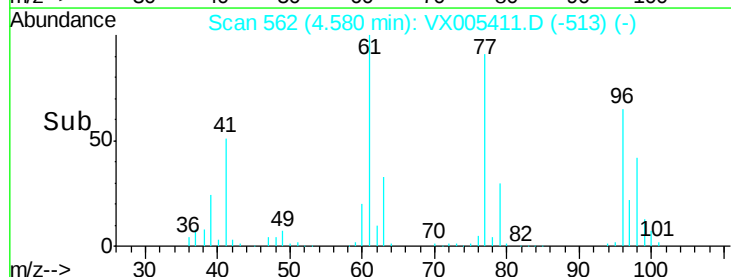
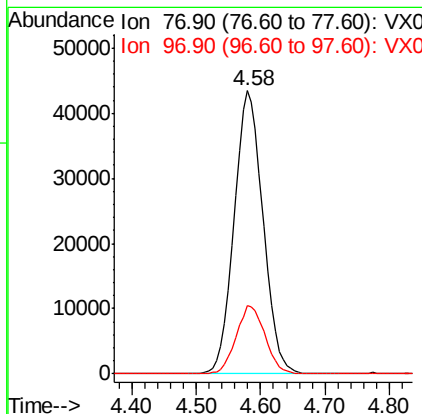
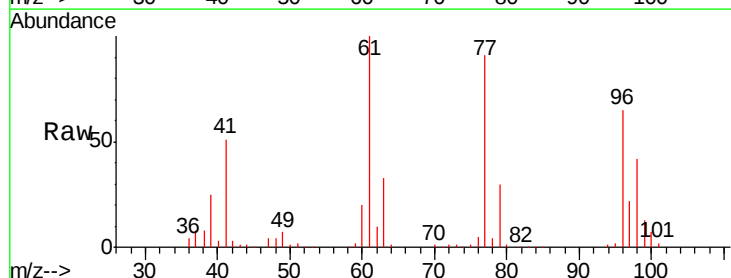
Acq: 18 Oct 2018 01:07

Tgt Ion: 77 Resp: 134797

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.59 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

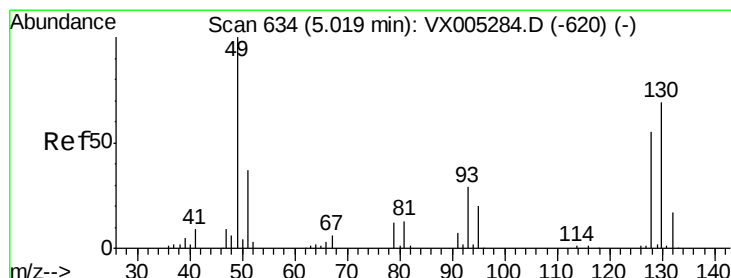
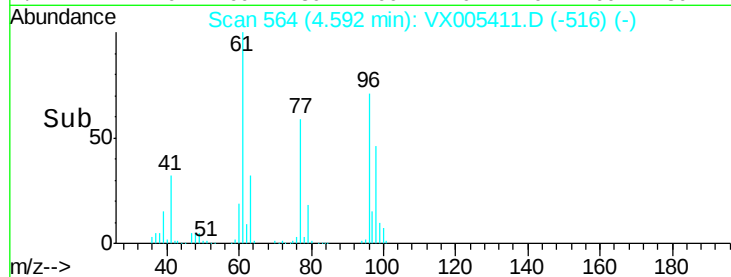
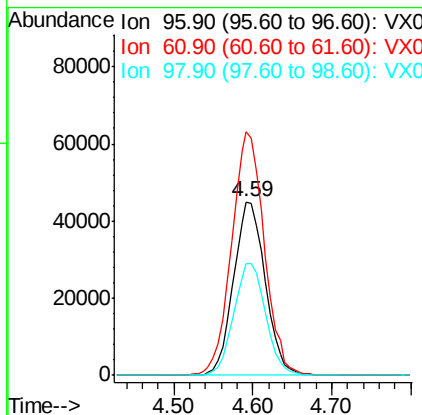
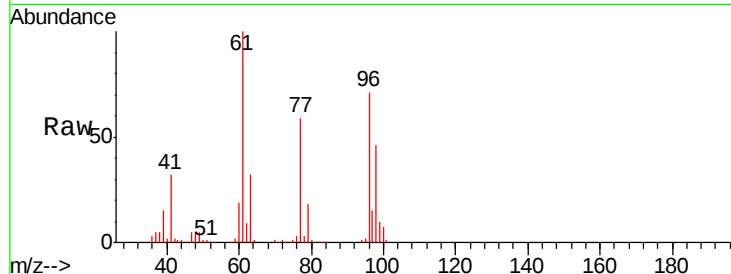
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	96	Resp:	125665
Ion Ratio	Lower	Upper	
96	100		
61	144.8	0.0	282.6
98	65.1	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#28

Bromochloromethane

Concen: 53.02 ug/l

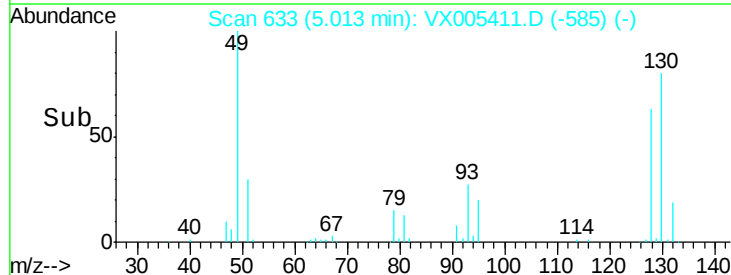
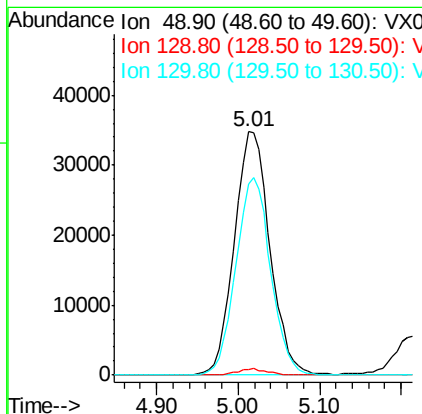
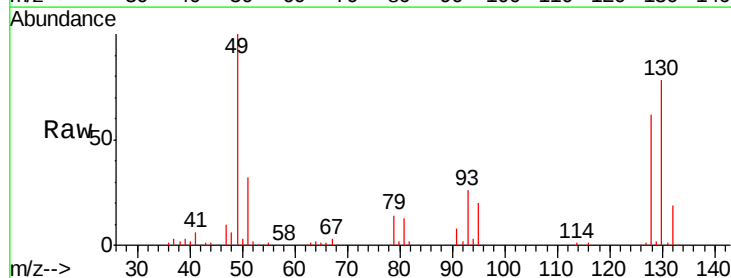
RT: 5.01 min Scan# 633

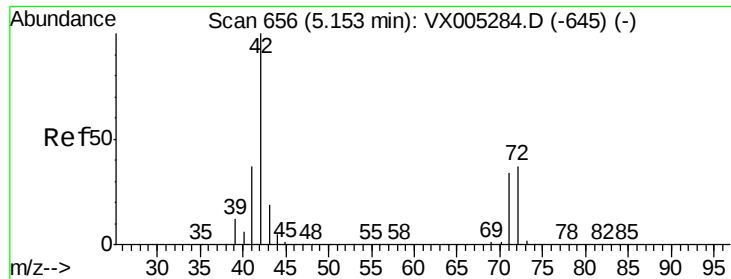
Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	49	Resp:	105346
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	79.3	67.5	101.3





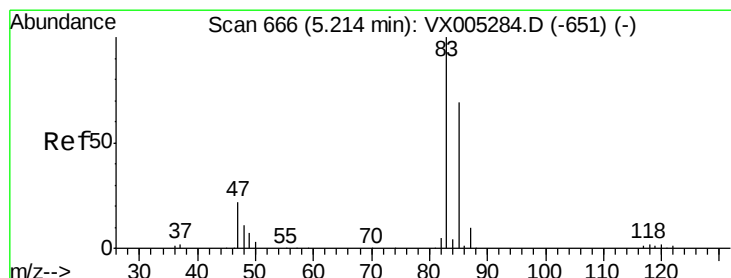
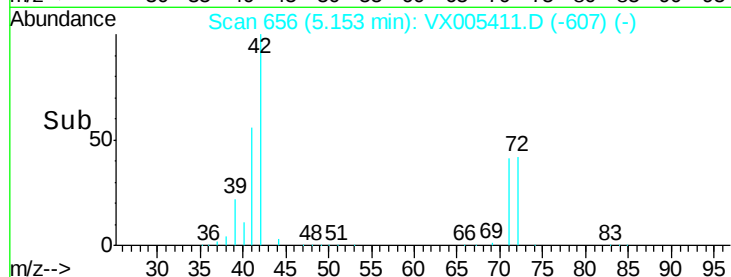
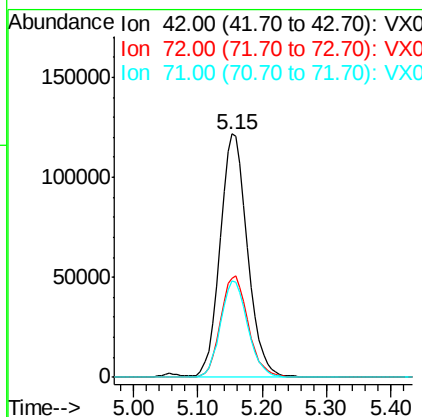
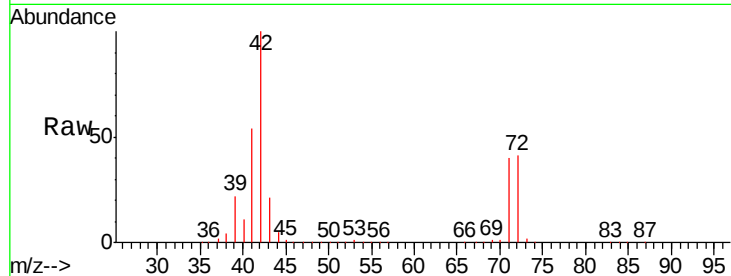
#29
Tetrahydrofuran
Concen: 258.27 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.1	37.4	56.0
71	39.5	34.5	51.7

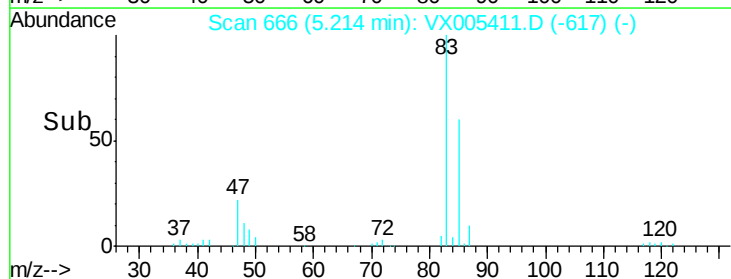
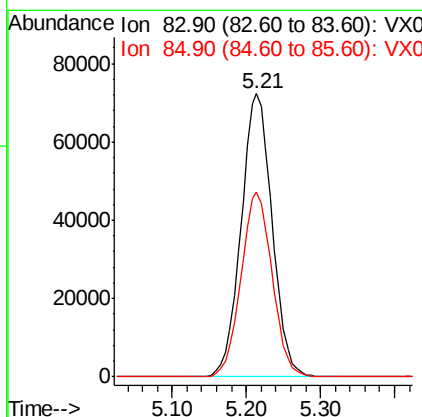
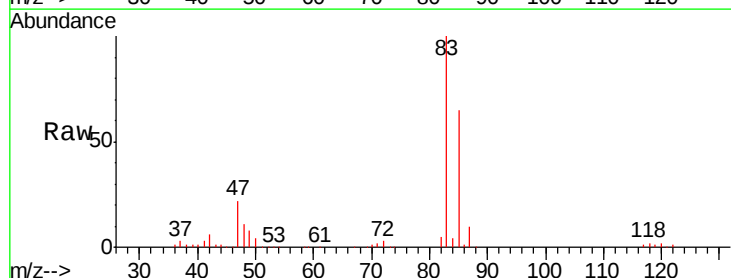
Manual Integrations
APPROVED

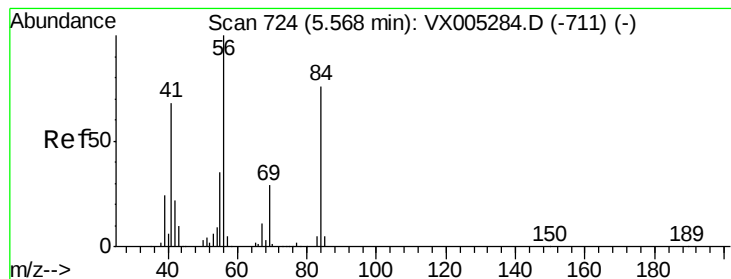
MMDadoda
10/19/2018 12:23:56 PM



#30
Chloroform
Concen: 52.16 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	79.0





#31

Cyclohexane

Concen: 48.27 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

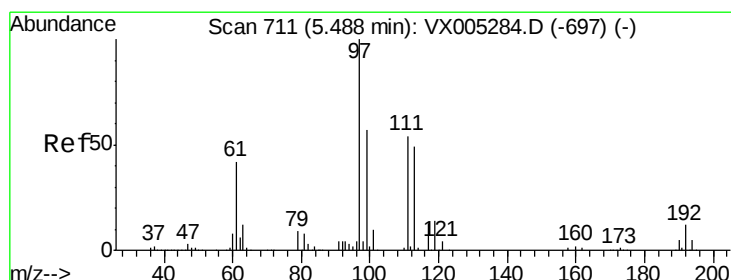
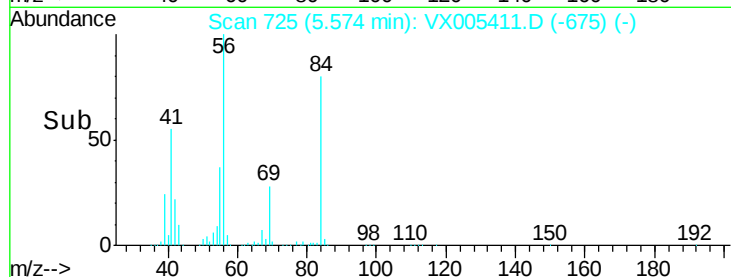
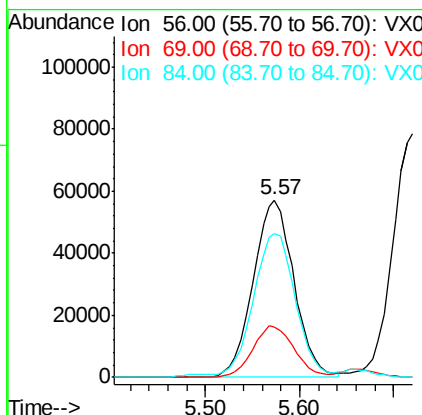
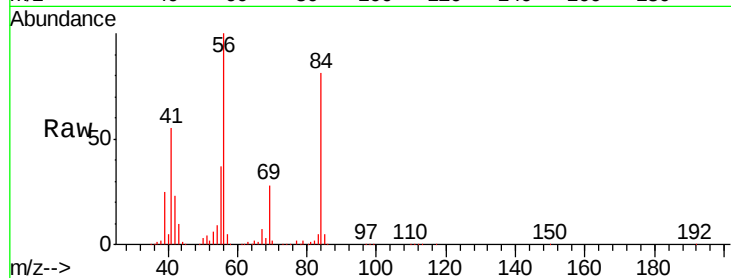
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	56	Resp:	173422
Ion	Ratio	Lower	Upper
56	100		
69	28.2	25.4	38.2
84	79.2	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#32

1,1,1-Trichloroethane

Concen: 51.81 ug/l

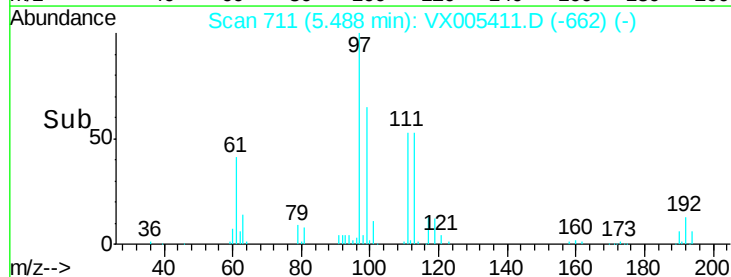
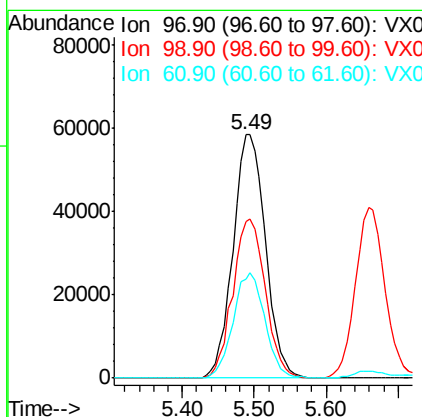
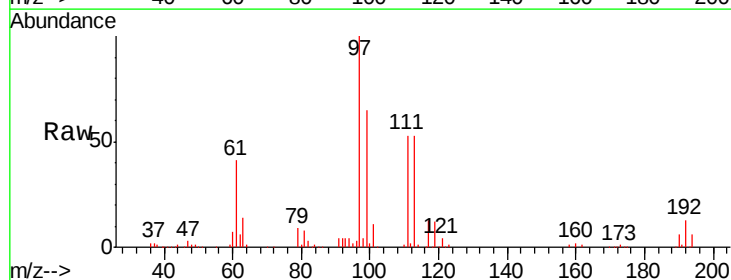
RT: 5.49 min Scan# 711

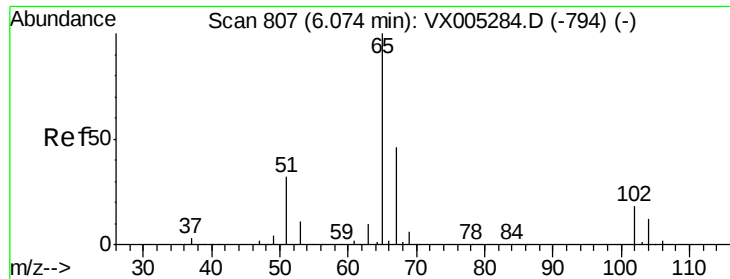
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	97	Resp:	182397
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.0	78.0
61	42.6	34.9	52.3





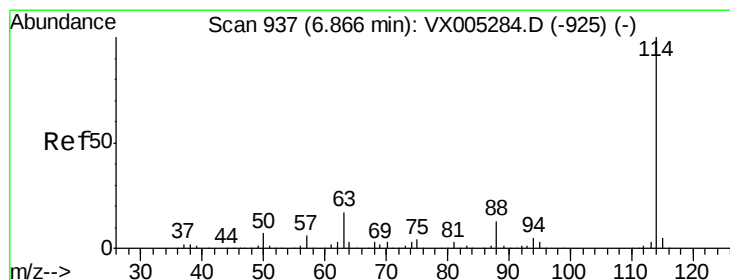
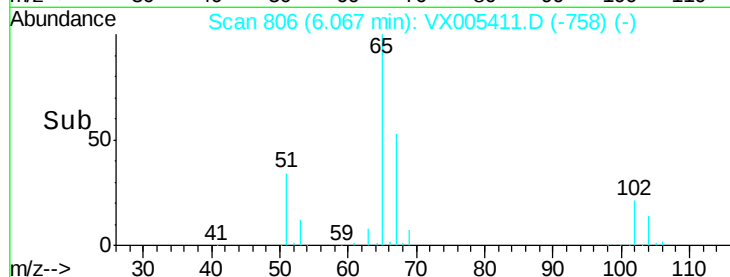
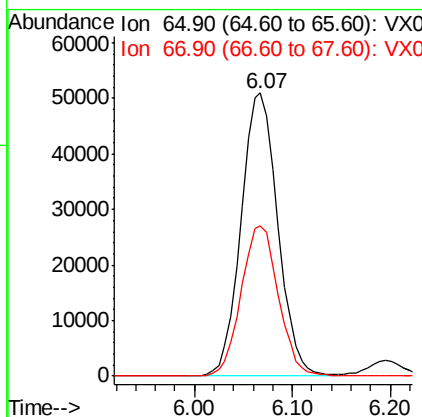
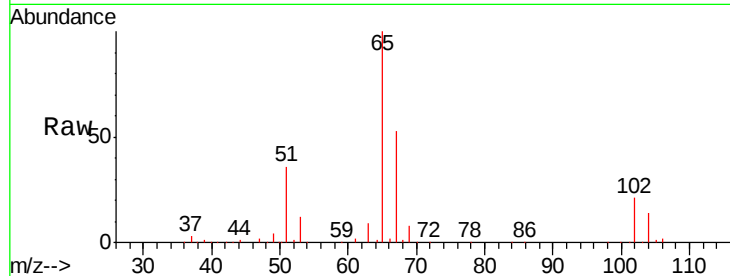
#33
 1,2-Dichloroethane-d4
 Concen: 50.79 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion: 65 Resp: 132740
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8

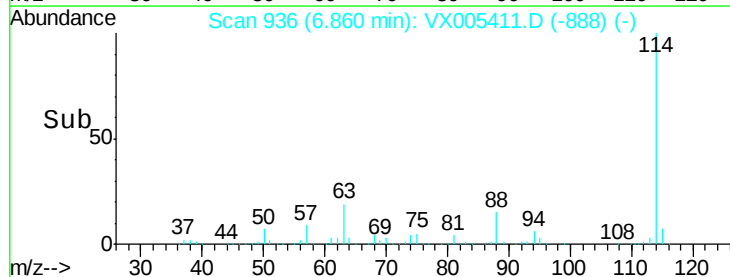
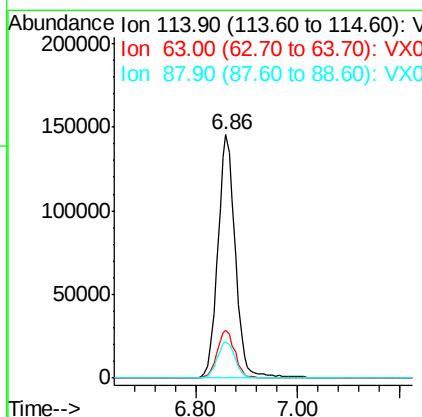
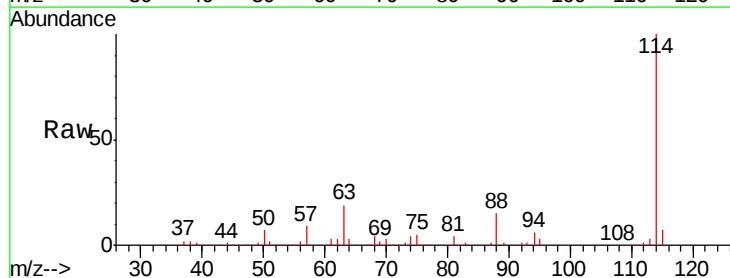
Manual Integrations
 APPROVED

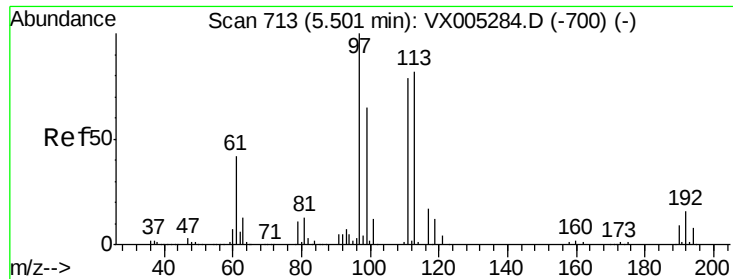
MMDadoda
 10/19/2018 12:23:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 114 Resp: 346941
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.1 0.0 30.4





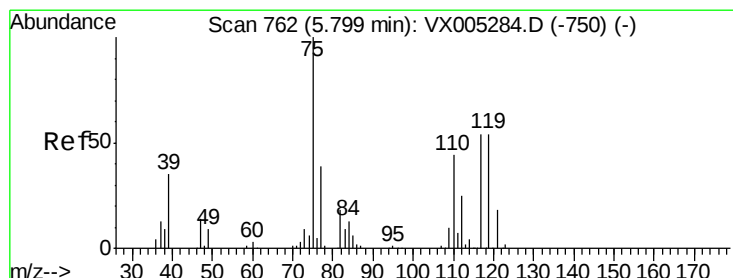
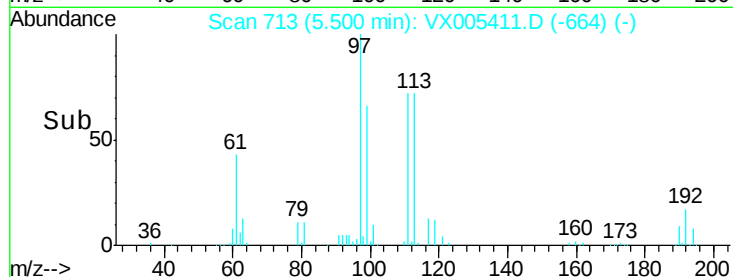
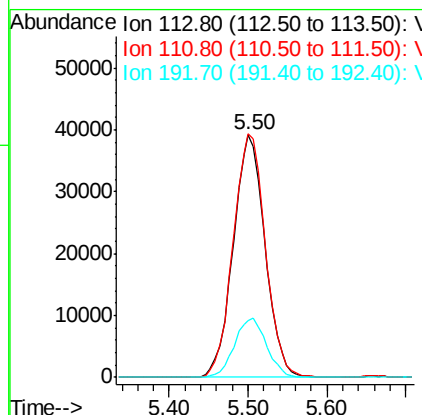
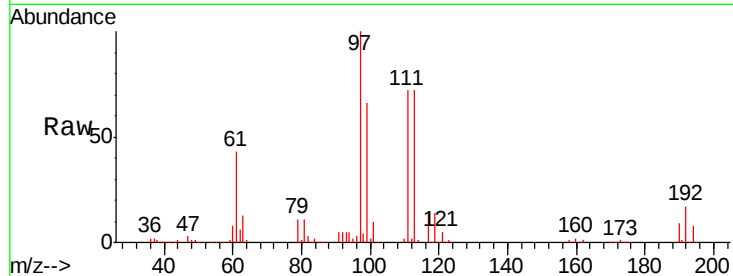
#35
 Dibromofluoromethane
 Concen: 47.80 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	109830		
111	101.5	82.4	123.6	
192	24.5	19.4	29.2	

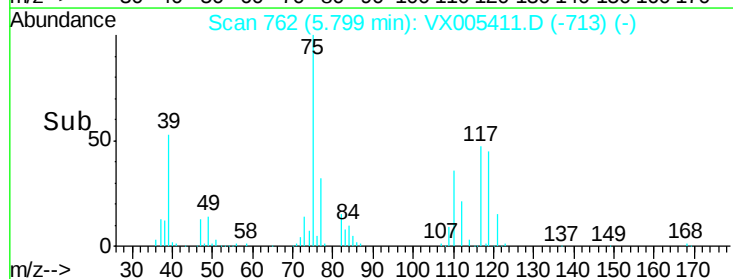
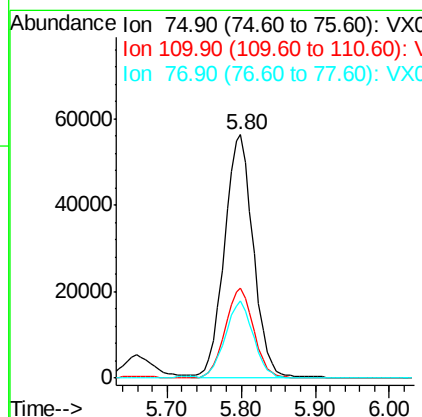
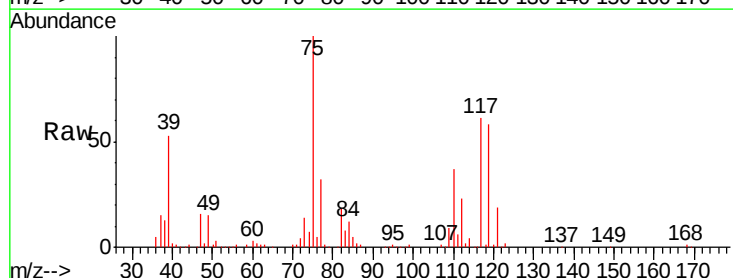
Manual Integrations
 APPROVED

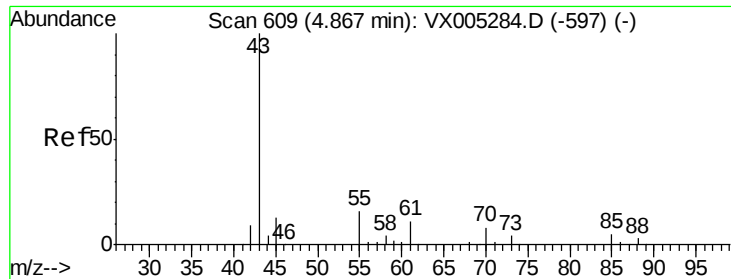
MMDadoda
 10/19/2018 12:23:56 PM



#36
 1,1-Dichloropropene
 Concen: 45.11 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	151570		
110	36.8	18.0	54.0	
77	31.6	24.6	36.8	





#37

Ethyl Acetate

Concen: 46.38 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005411.D

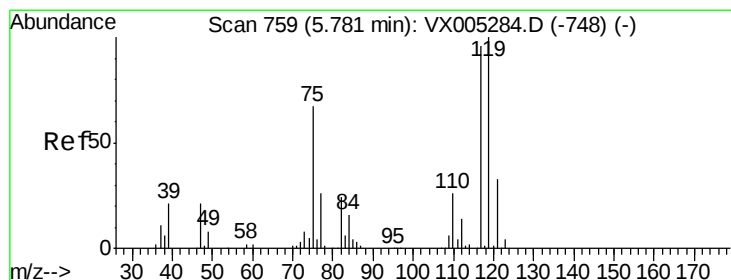
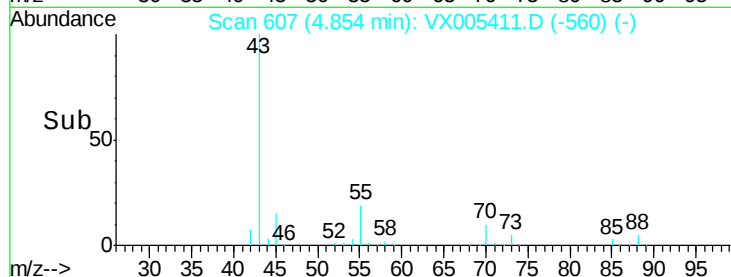
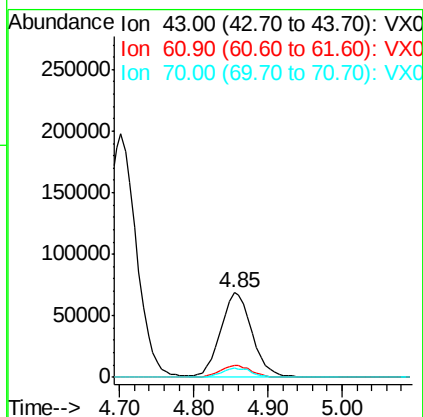
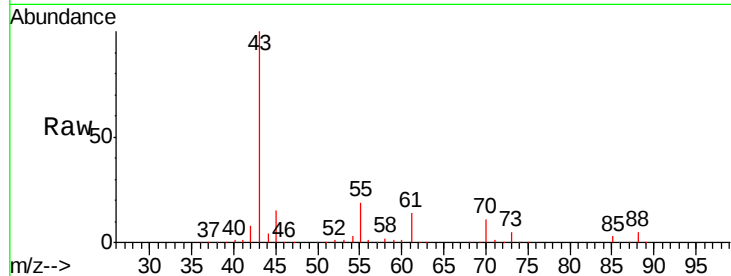
Acq: 18 Oct 2018 01:07

Tgt Ion:	43	Resp:	200426
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.4	9.0	13.6

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#38

Carbon Tetrachloride

Concen: 47.03 ug/l

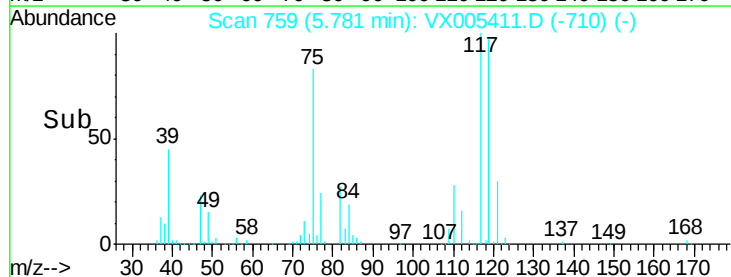
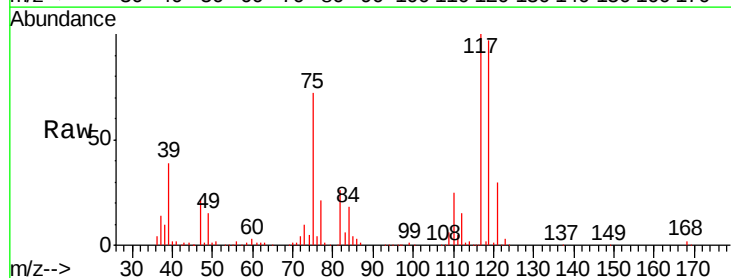
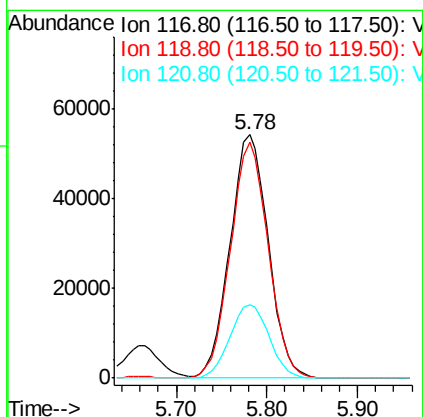
RT: 5.78 min Scan# 759

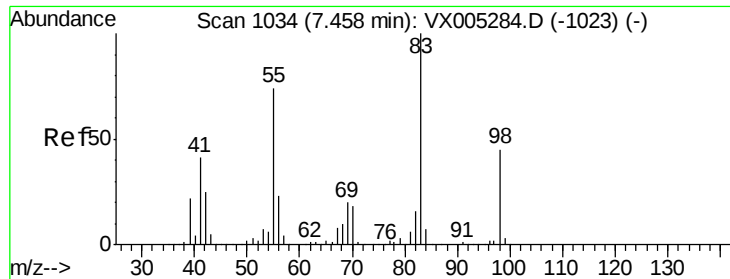
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	117	Resp:	158795
Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.8	118.2
121	30.4	24.9	37.3





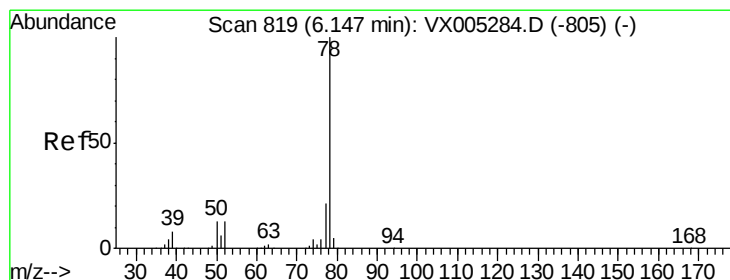
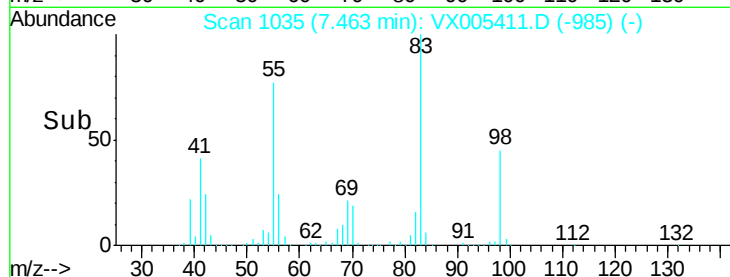
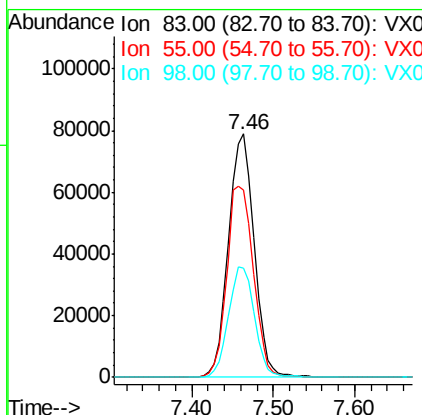
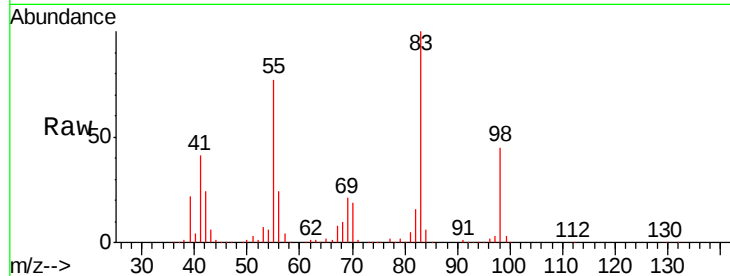
#39
Methylcyclohexane
Concen: 47.14 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	171415		
55	76.6	61.0	91.4	
98	45.0	39.6	59.4	

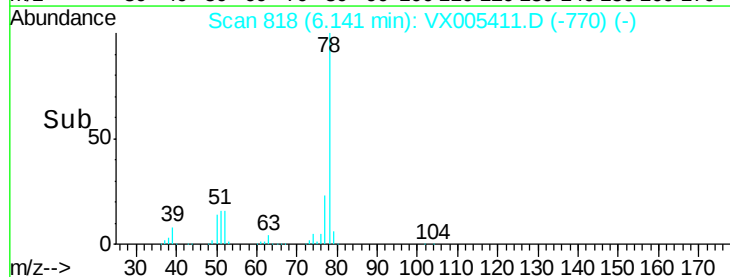
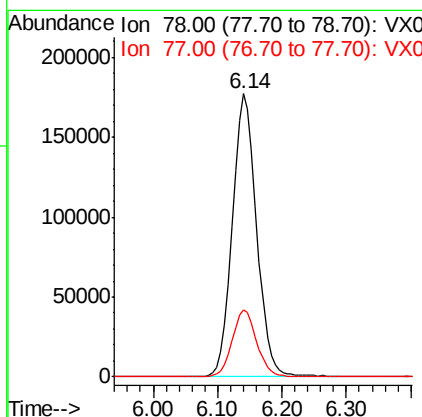
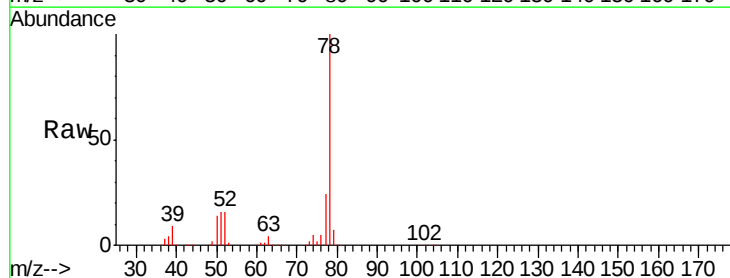
Manual Integrations
APPROVED

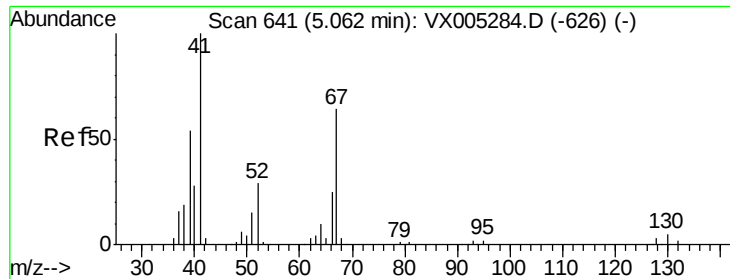
MMDadoda
10/19/2018 12:23:56 PM



#40
Benzene
Concen: 46.28 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	466479		
77	23.8	19.0	28.4	





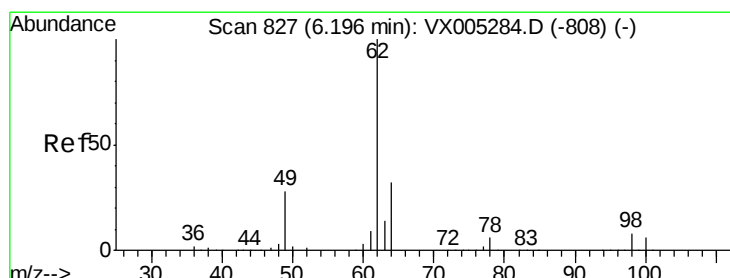
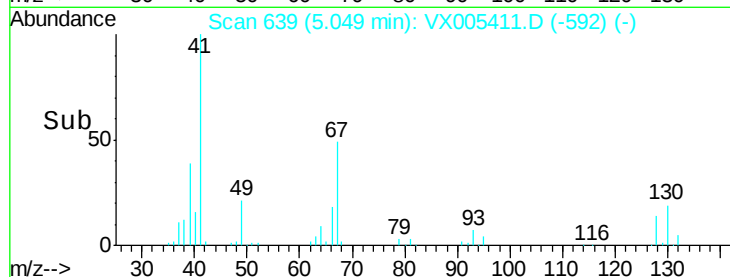
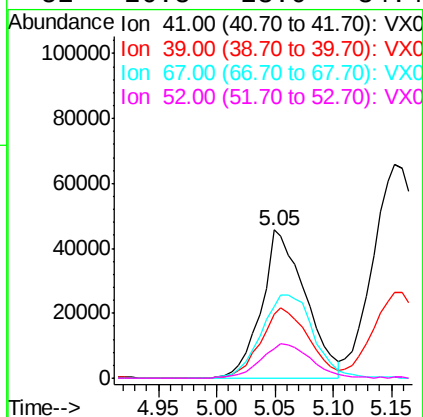
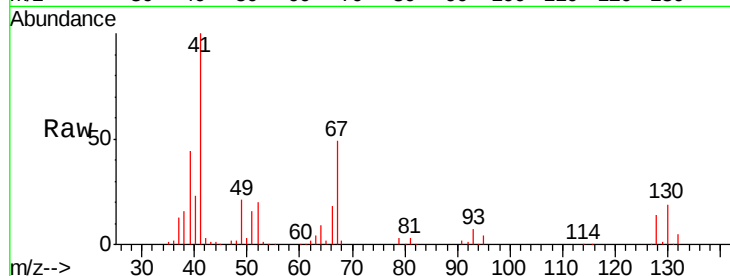
#41
Methacrylonitrile
Concen: 51.50 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	42.4	63.6	
67	67.3	59.2	88.8	
52	26.8	23.0	34.4	

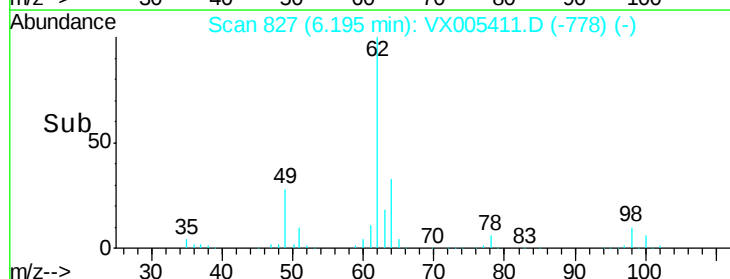
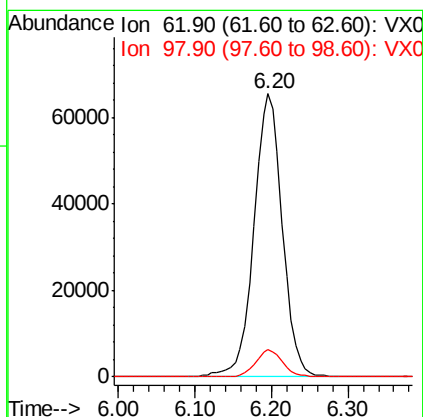
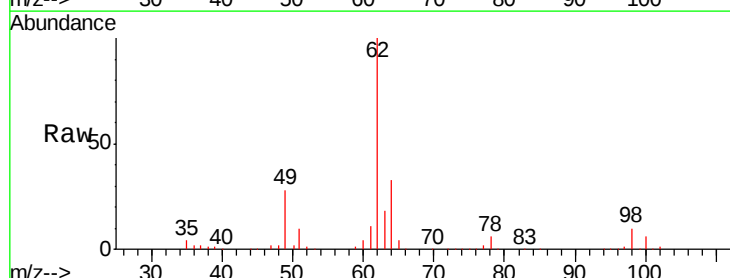
Manual Integrations
APPROVED

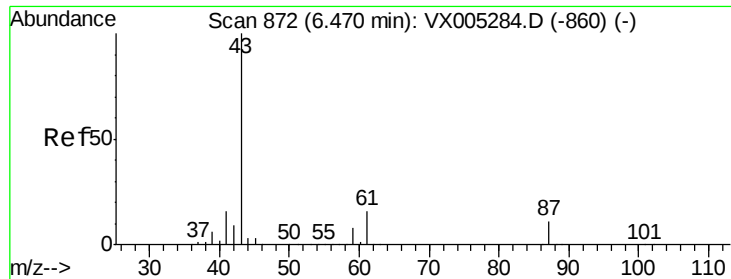
MMDadoda
10/19/2018 12:23:56 PM



#42
1,2-Dichloroethane
Concen: 47.59 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.6	





#43

Isopropyl Acetate

Concen: 53.06 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

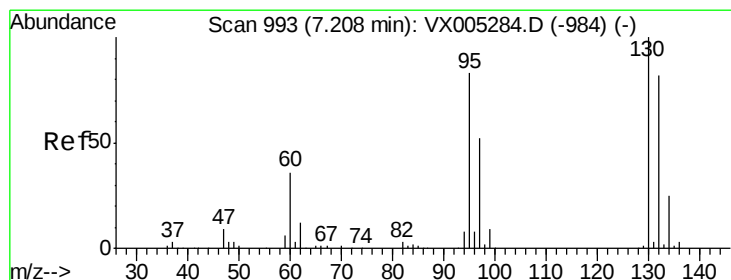
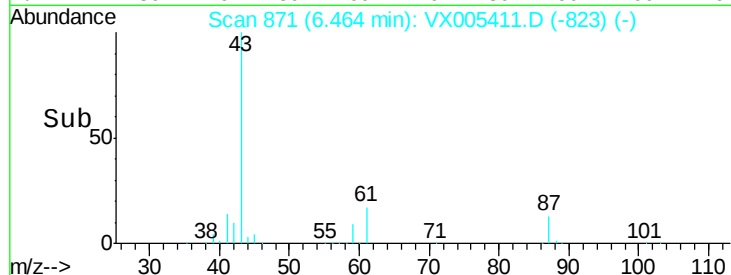
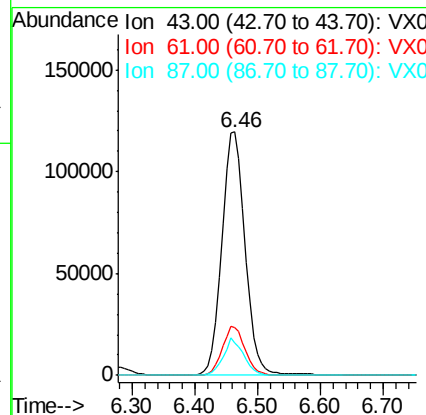
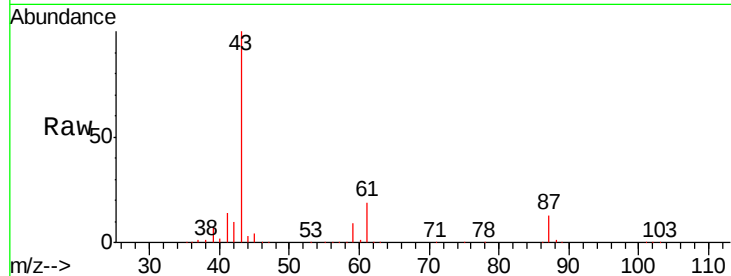
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	43	Resp:	305442
Ion Ratio		Lower	Upper
43	100		
61	19.7	17.0	25.4
87	13.4	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#44

Trichloroethene

Concen: 49.62 ug/l

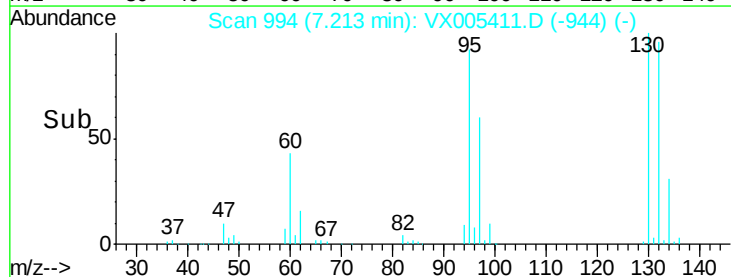
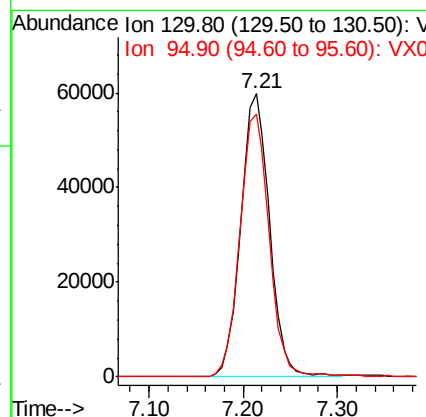
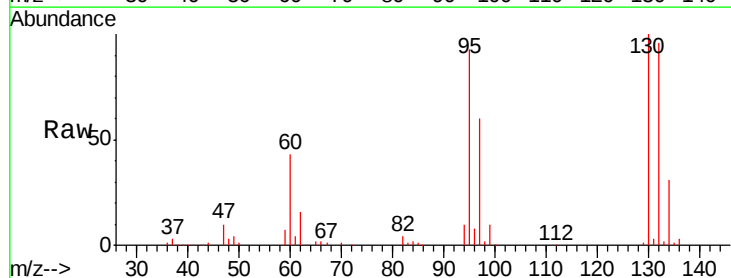
RT: 7.21 min Scan# 994

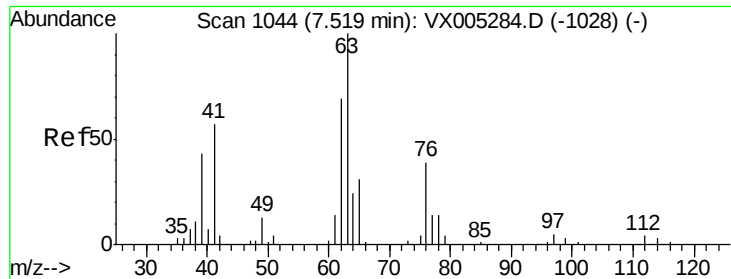
Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	130	Resp:	127709
Ion Ratio		Lower	Upper
130	100		
95	92.9	0.0	181.6





#45

1,2-Dichloropropane

Concen: 51.38 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 63 Resp: 127049

Ion Ratio Lower Upper

63 100

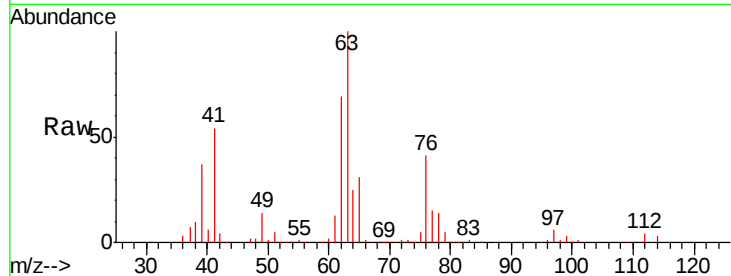
65 31.1 24.3 36.5

Manual Integrations

APPROVED

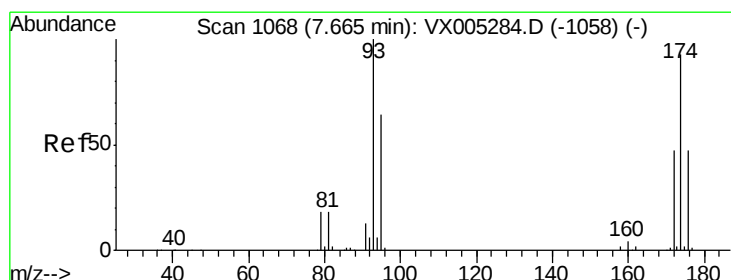
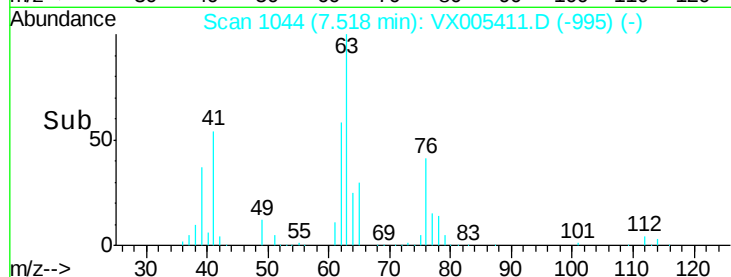
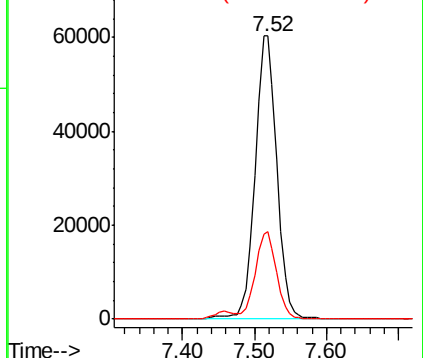
MMDadoda

10/19/2018 12:23:56 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.78 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

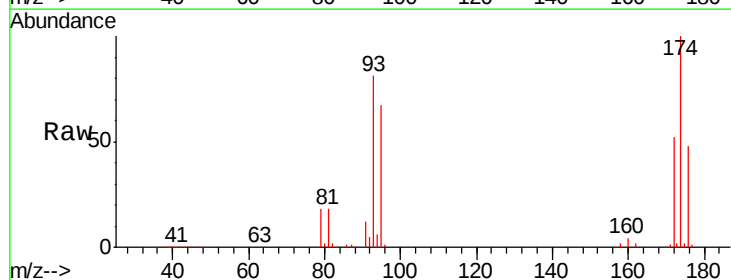
Tgt Ion: 93 Resp: 82861

Ion Ratio Lower Upper

93 100

95 82.5 65.5 98.3

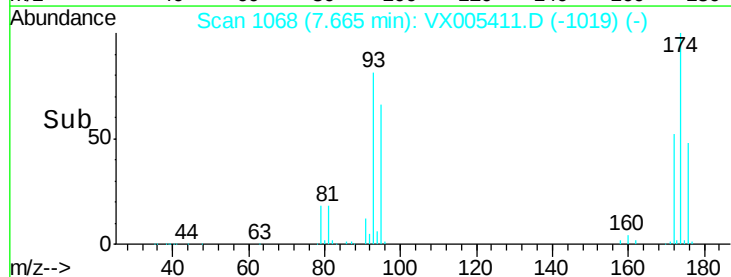
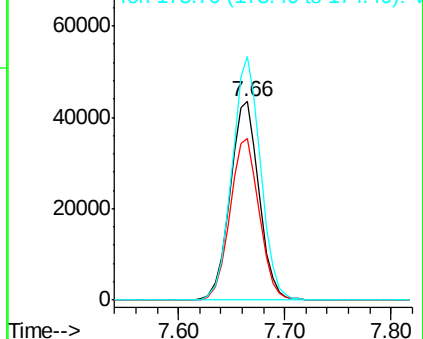
174 121.1 94.2 141.4

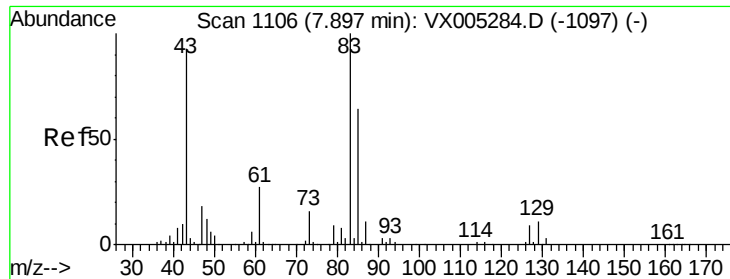


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





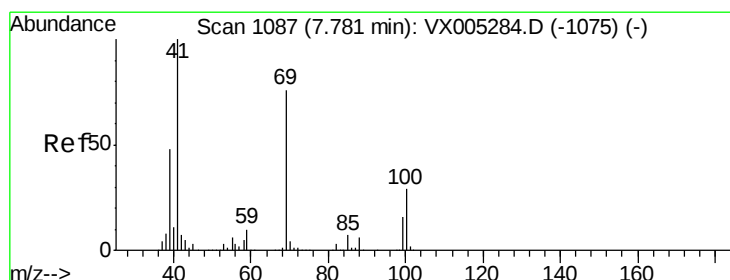
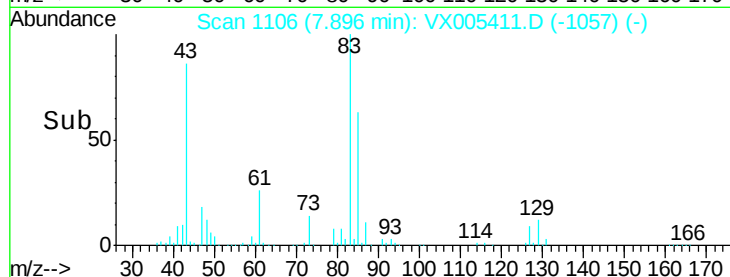
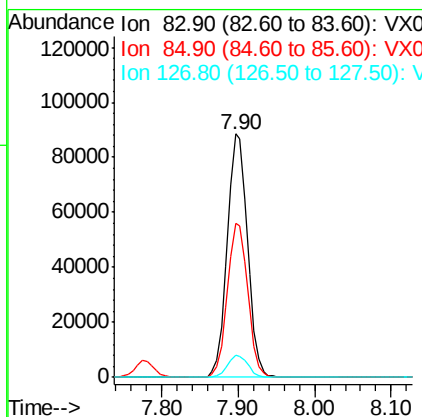
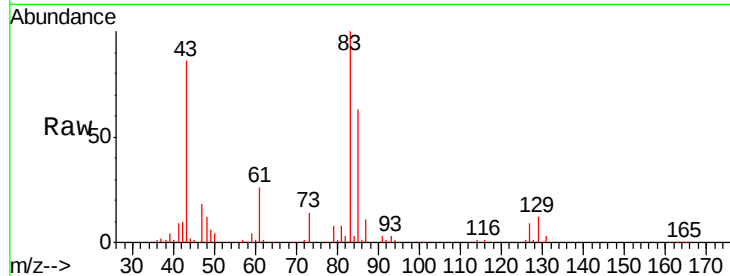
#47
Bromodichloromethane
Concen: 53.64 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3
127	9.1	7.3	10.9

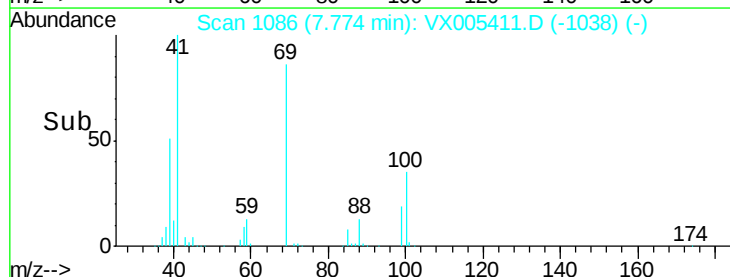
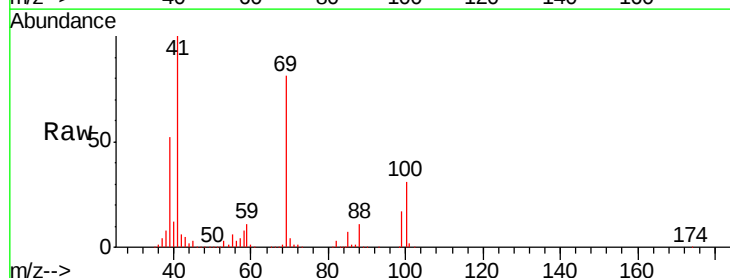
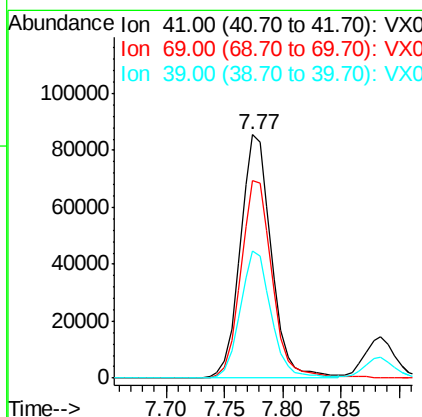
Manual Integrations
APPROVED

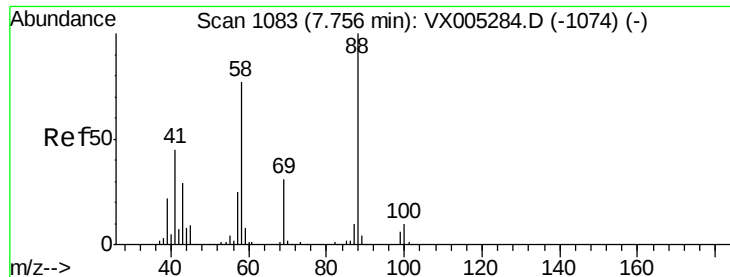
MMDadoda
10/19/2018 12:23:56 PM



#48
Methyl methacrylate
Concen: 53.40 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.1	70.2	105.4
39	51.7	42.7	64.1





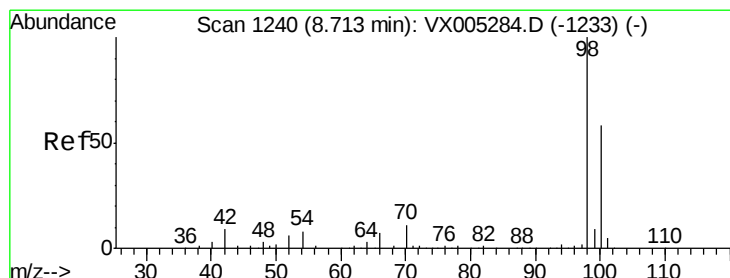
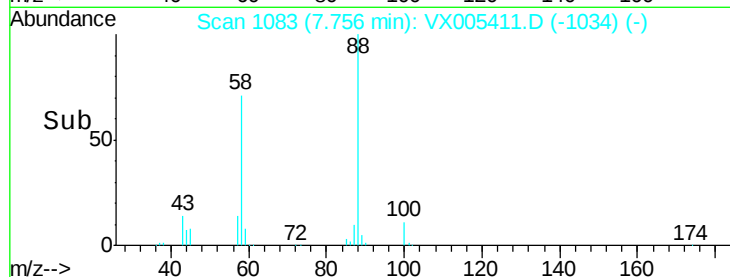
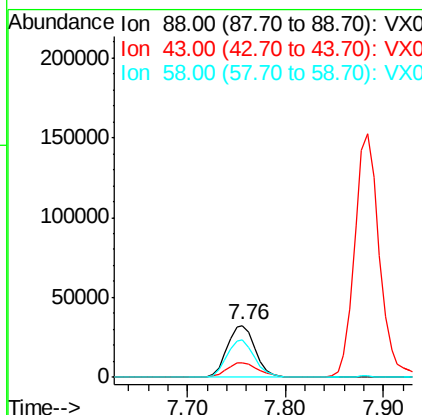
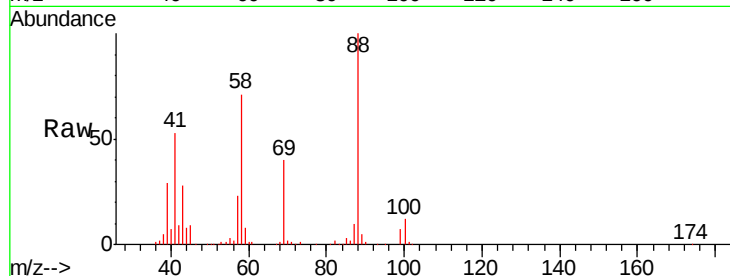
#49
1,4-Dioxane
Concen: 948.78 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	24.7	37.1
58	70.5	55.3	82.9

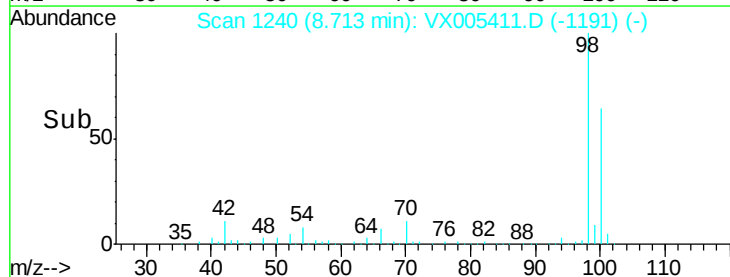
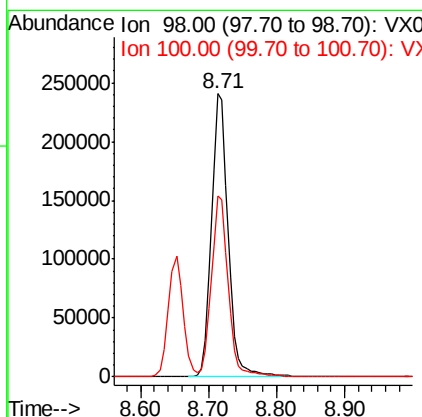
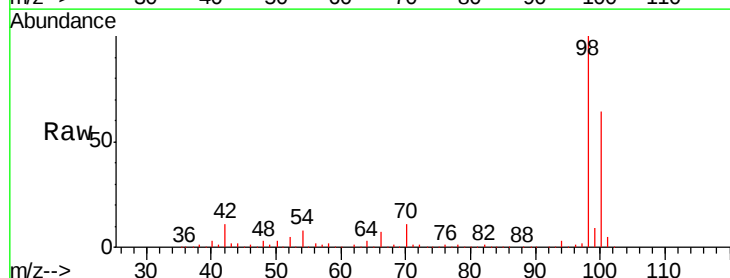
Manual Integrations
APPROVED

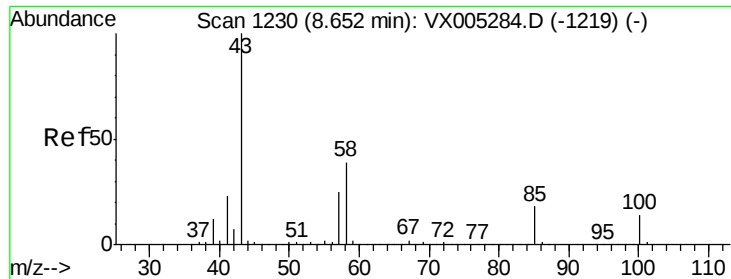
MMDadoda
10/19/2018 12:23:56 PM



#50
Toluene-d8
Concen: 51.94 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 272.59 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 43 Resp: 1086469

Ion Ratio Lower Upper

43 100

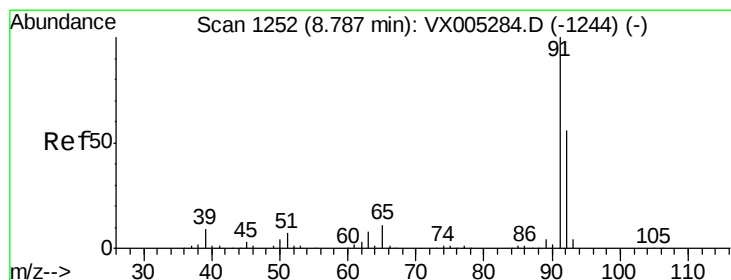
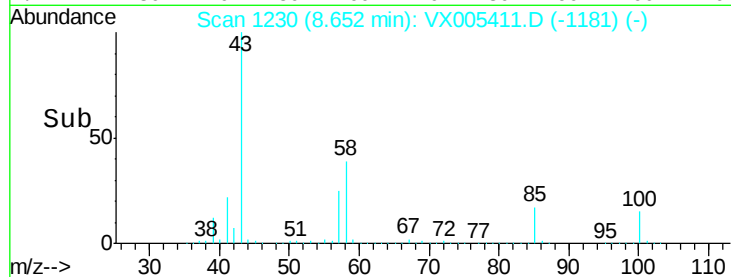
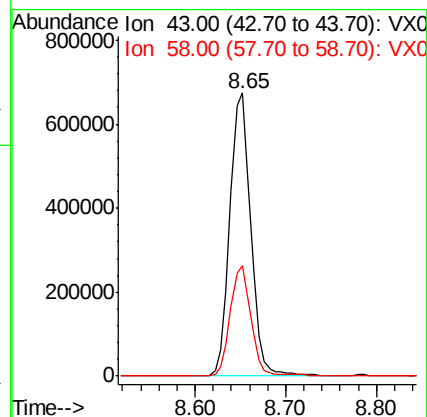
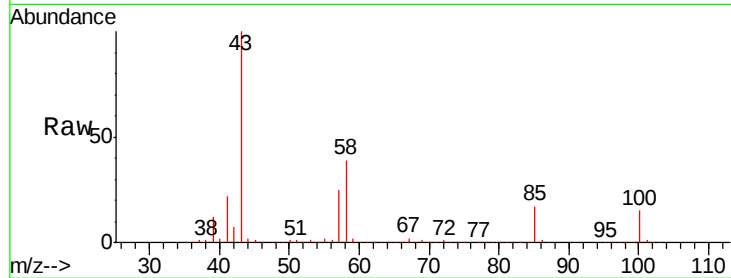
58 38.4 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



#52

Toluene

Concen: 53.63 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005411.D

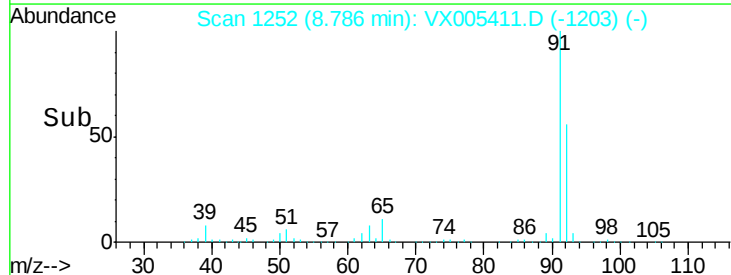
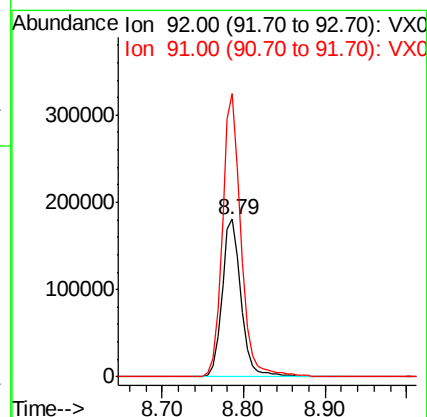
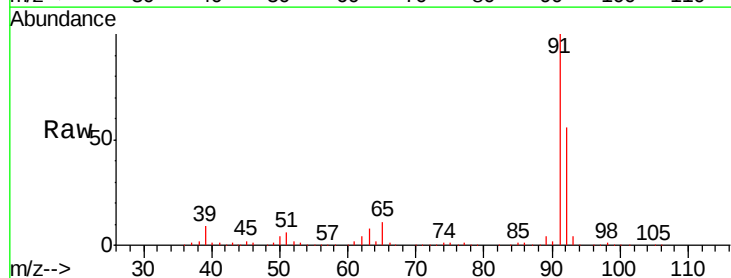
Acq: 18 Oct 2018 01:07

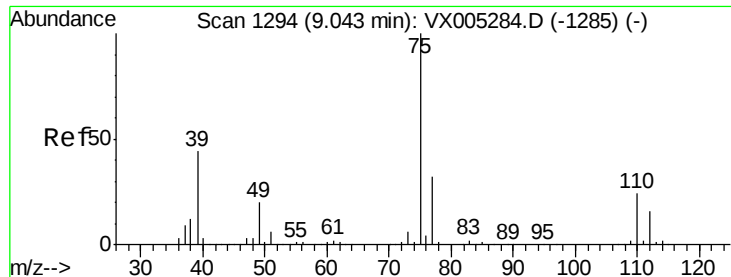
Tgt Ion: 92 Resp: 295725

Ion Ratio Lower Upper

92 100

91 175.8 136.4 204.6





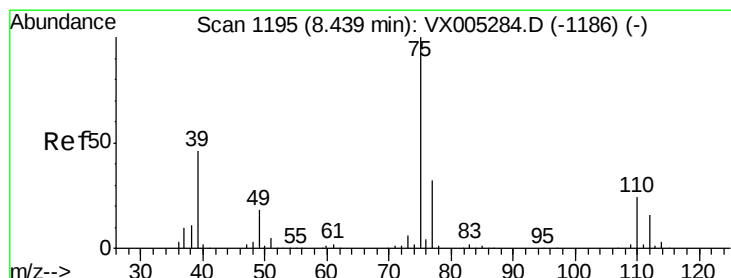
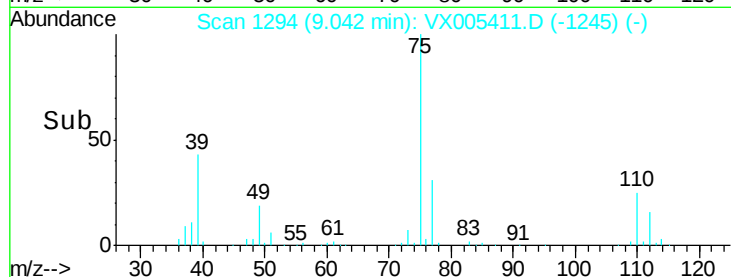
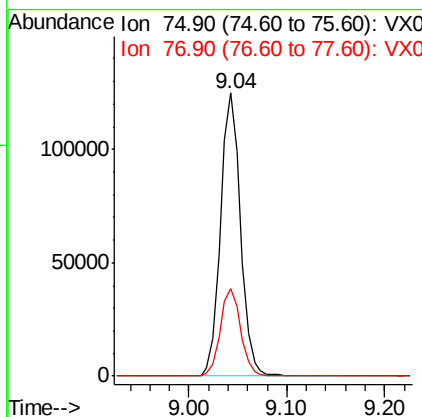
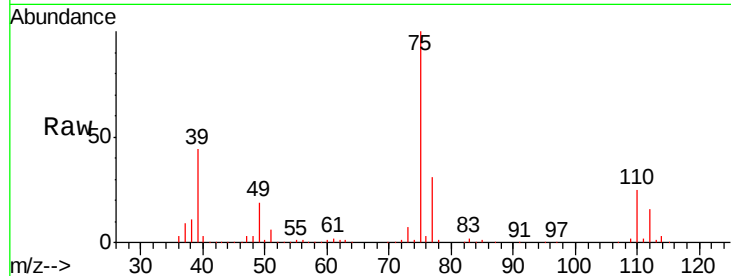
#53
t-1,3-Dichloropropene
Concen: 54.09 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion: 75 Resp: 176706
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0

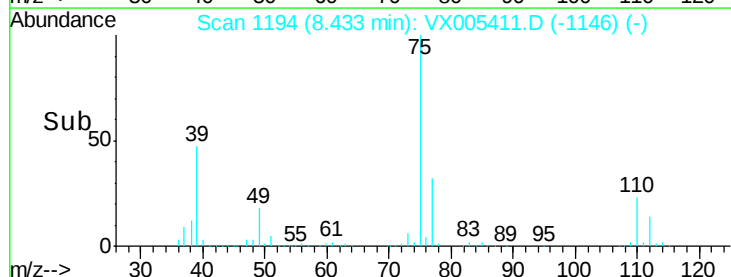
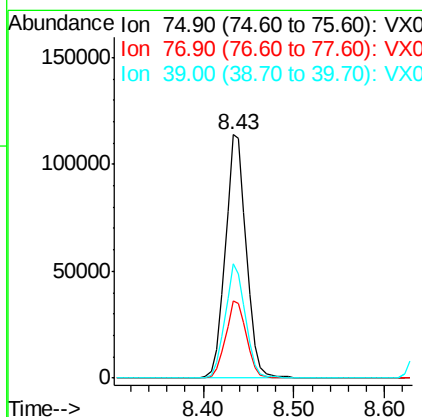
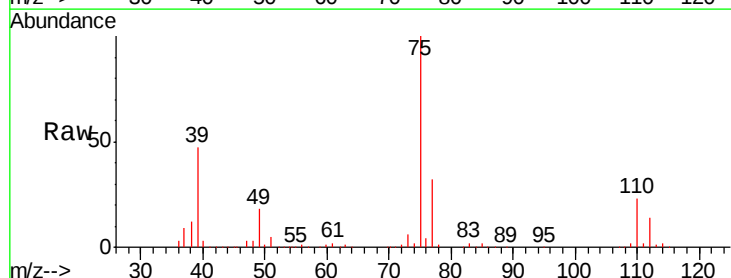
Manual Integrations
APPROVED

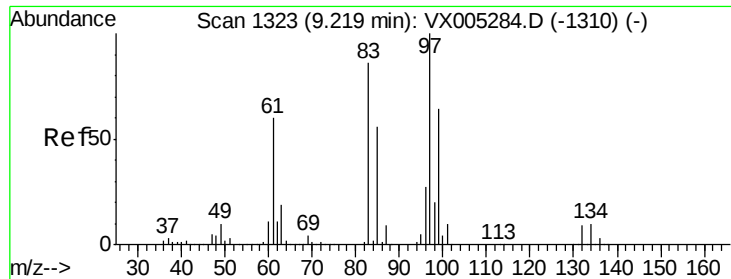
MMDadoda
10/19/2018 12:23:56 PM



#54
cis-1,3-Dichloropropene
Concen: 52.22 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 75 Resp: 184847
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 47.1 36.4 54.6





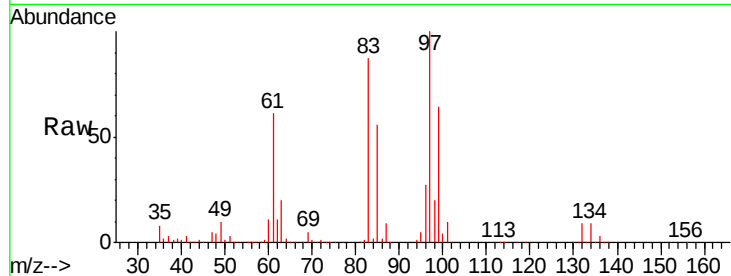
#55
 1,1,2-Trichloroethane
 Concen: 53.96 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.4	99.6
85	56.5	43.3	64.9
99	63.8	49.0	73.4

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:56 PM



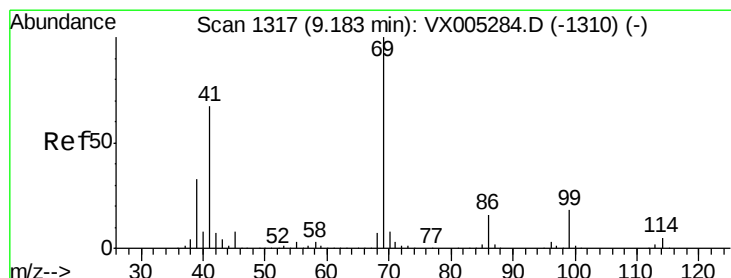
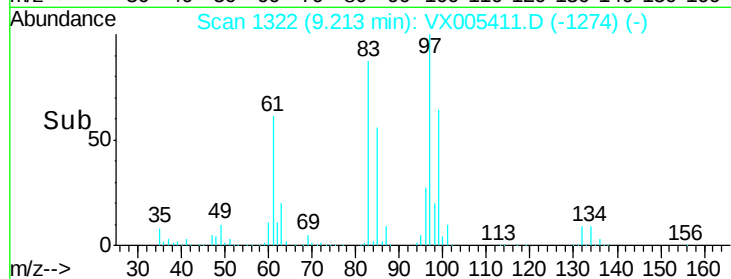
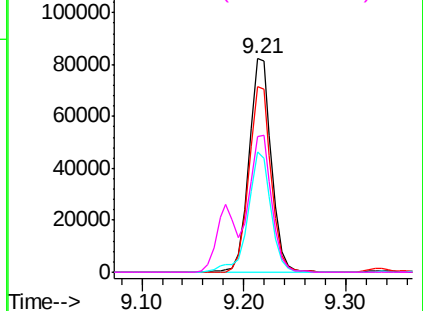
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

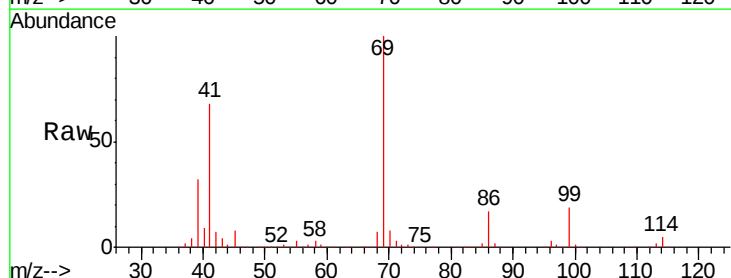
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 58.00 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.9	51.0	76.4
39	32.5	26.1	39.1

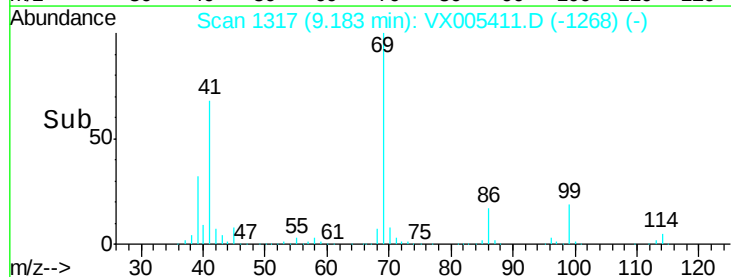
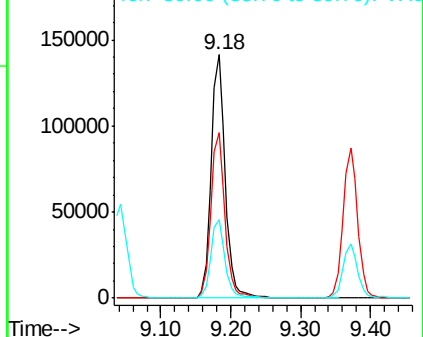


Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.52 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 76 Resp: 208656

Ion Ratio Lower Upper

76 100

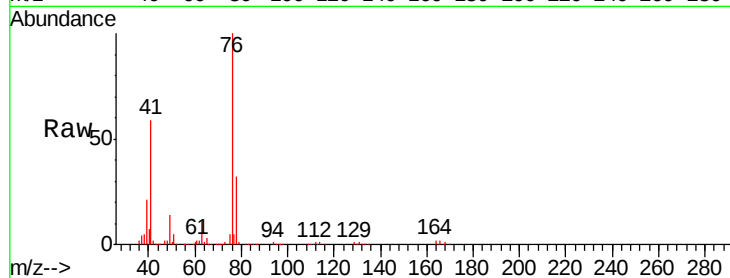
78 32.1 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

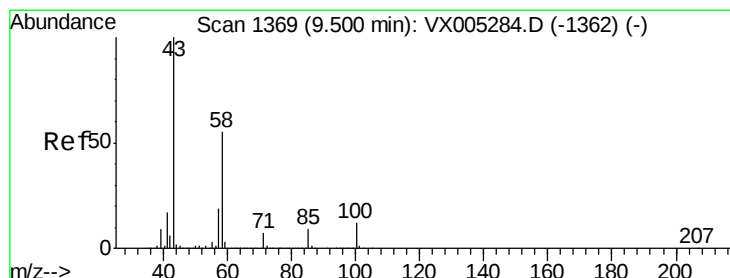
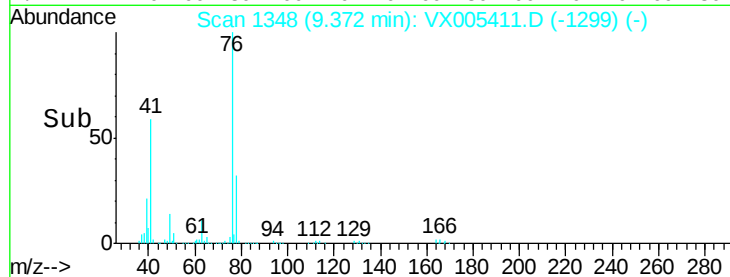
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 267.47 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005411.D

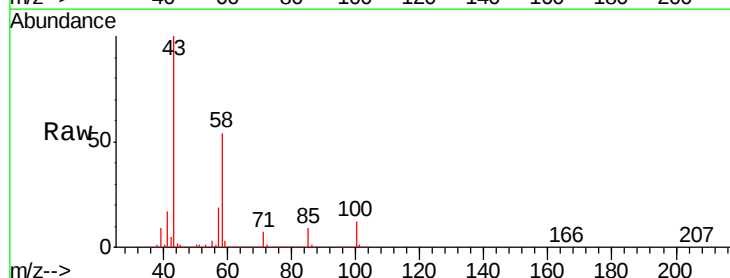
Acq: 18 Oct 2018 01:07

Tgt Ion: 43 Resp: 857546

Ion Ratio Lower Upper

43 100

58 53.9 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

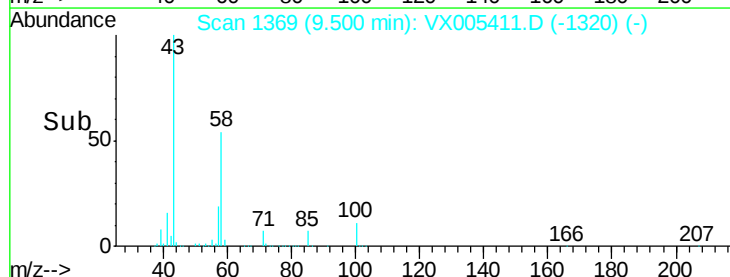
600000

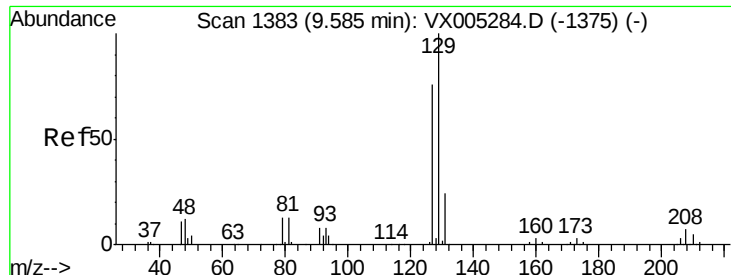
400000

200000

0

Time-->





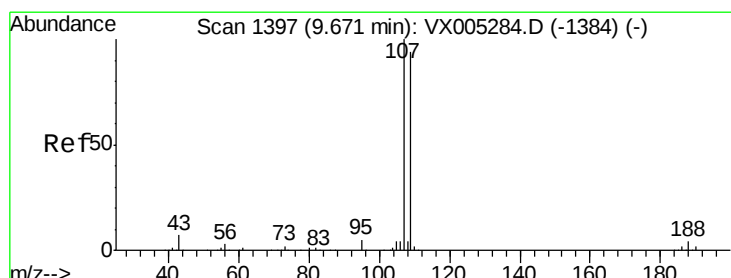
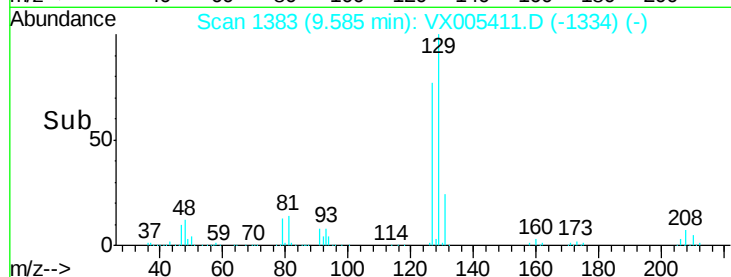
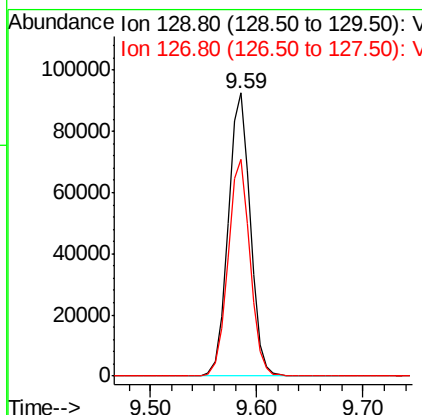
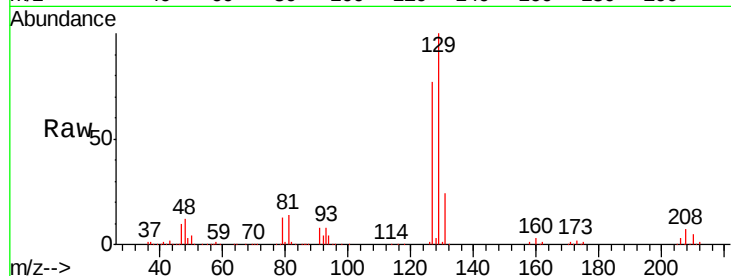
#60
Dibromochloromethane
Concen: 55.66 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion:129 Resp: 134390
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

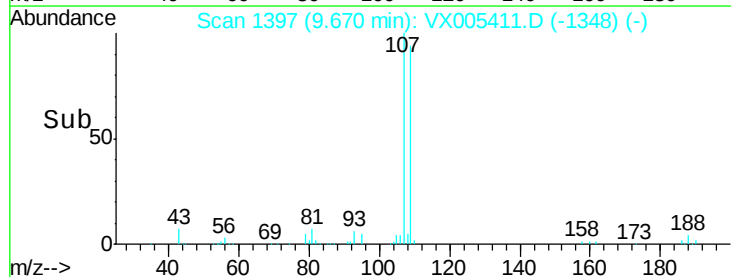
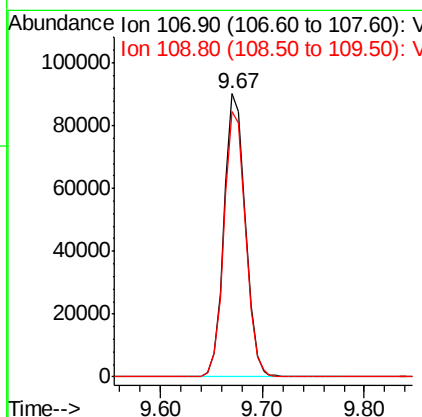
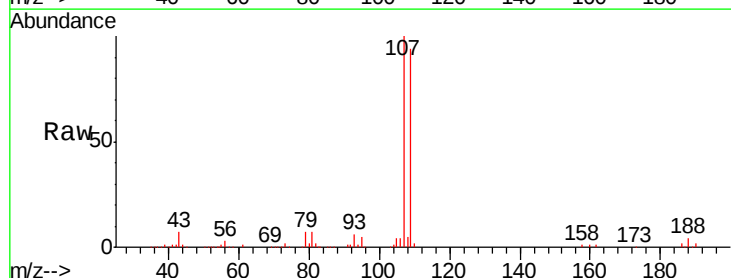
Manual Integrations
APPROVED

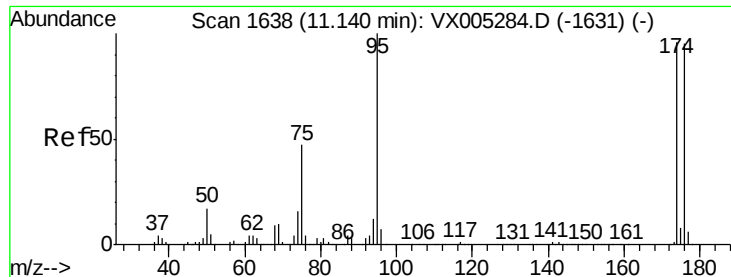
MMDadoda
10/19/2018 12:23:56 PM



#61
1,2-Dibromoethane
Concen: 53.38 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:107 Resp: 130842
Ion Ratio Lower Upper
107 100
109 95.0 76.0 114.0





#62

4-Bromofluorobenzene

Concen: 52.88 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

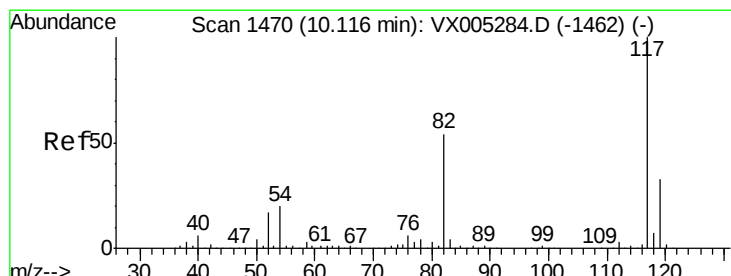
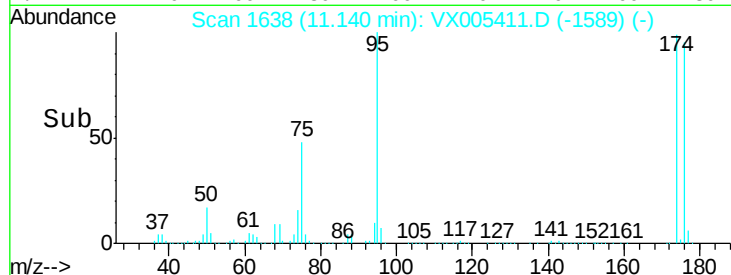
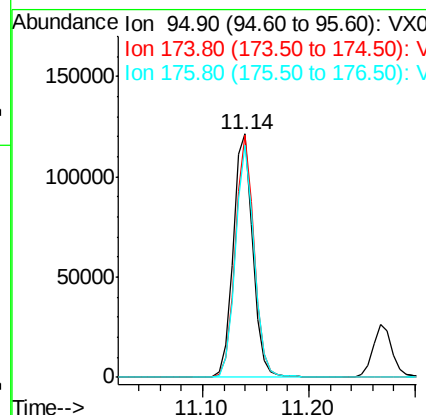
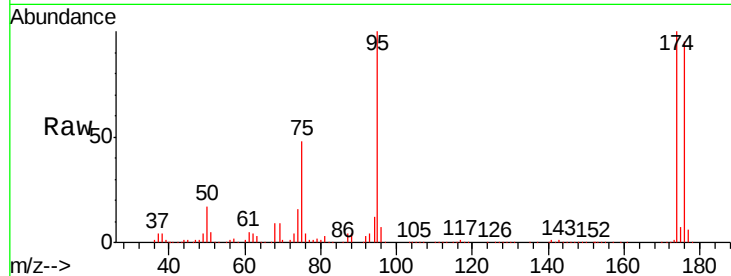
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	95	Resp:	156721
Ion Ratio	Lower	Upper	
95	100		
174	95.5	0.0	185.2
176	91.9	0.0	178.6

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

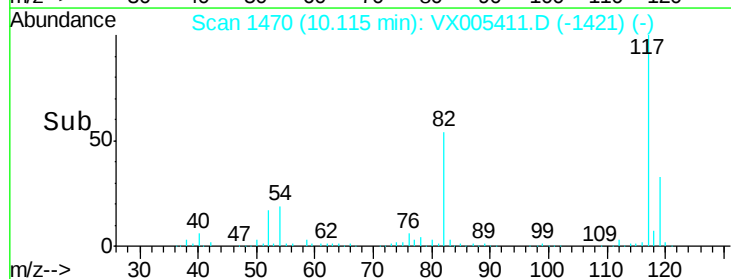
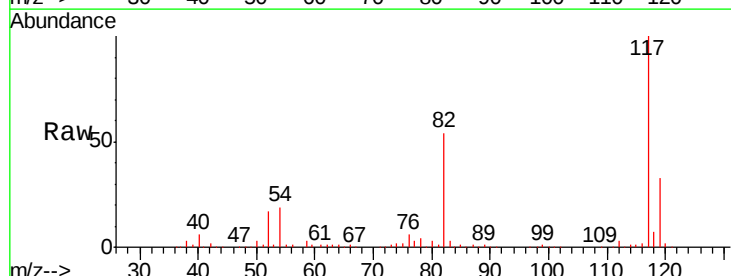
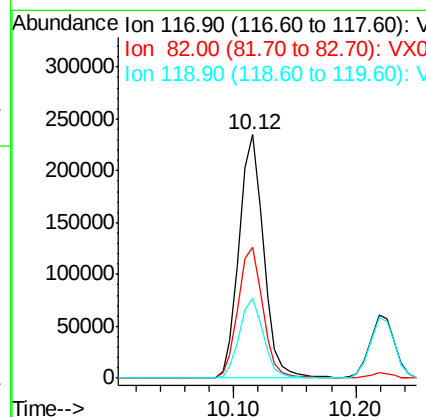
RT: 10.12 min Scan# 1470

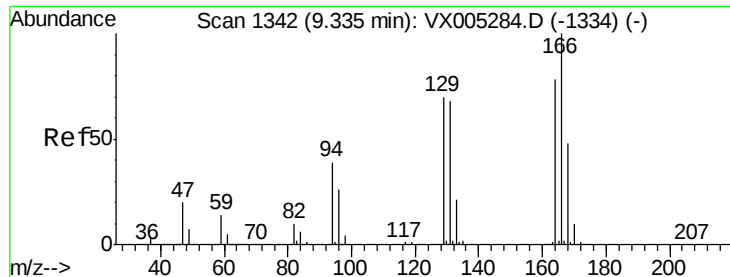
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	117	Resp:	325973
Ion Ratio	Lower	Upper	
117	100		
82	53.9	47.8	71.6
119	32.6	29.3	43.9





#64

Tetrachloroethene

Concen: 47.01 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

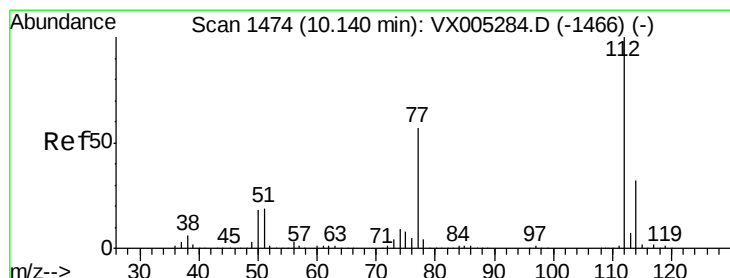
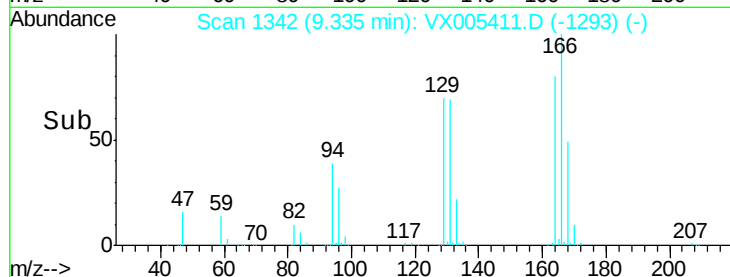
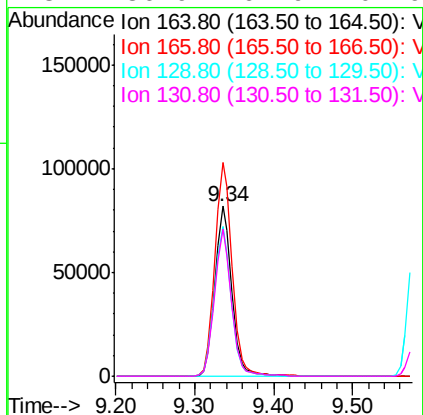
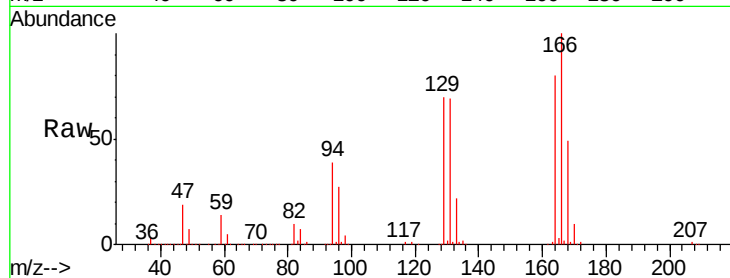
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	164	Resp:	123376
Ion Ratio	Lower	Upper	
164	100		
166	125.6	102.8	154.2
129	87.9	69.4	104.0
131	86.9	67.9	101.9

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#65

Chlorobenzene

Concen: 50.48 ug/l

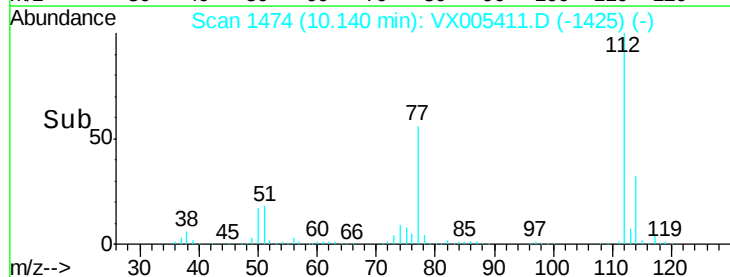
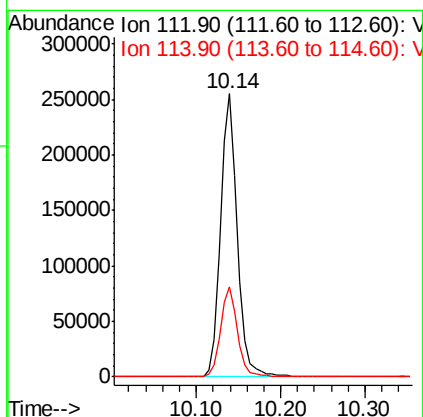
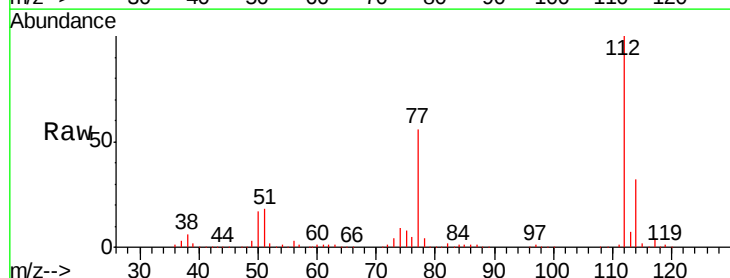
RT: 10.14 min Scan# 1474

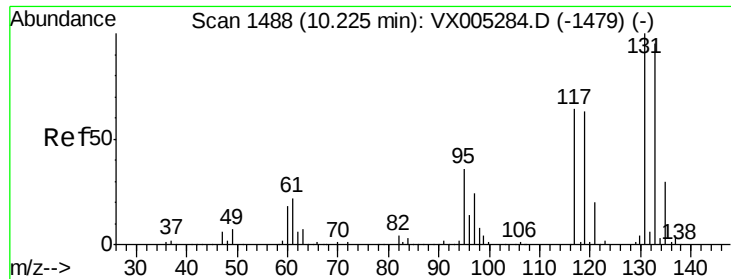
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	112	Resp:	350040
Ion Ratio	Lower	Upper	
112	100		
114	31.8	27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.61 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

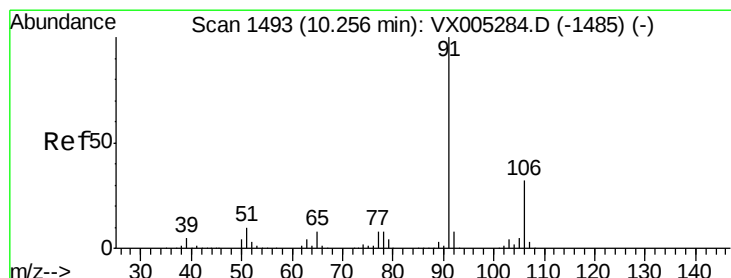
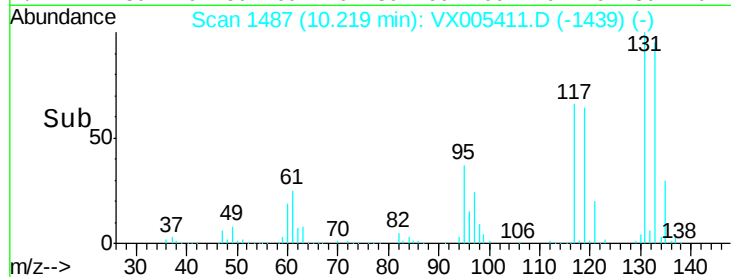
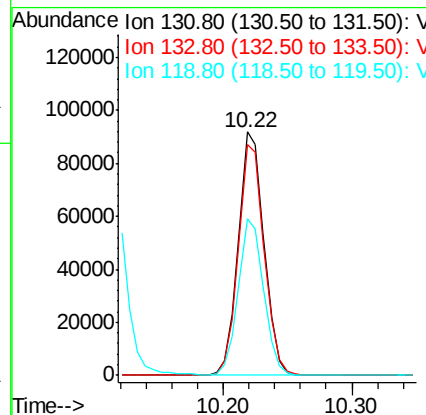
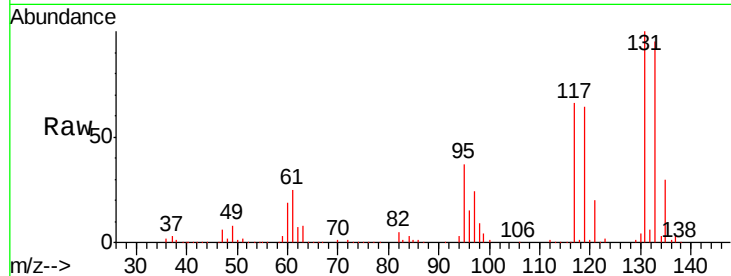
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	131	Resp:	127527
Ion Ratio	Lower	Upper	
131	100		
133	95.3	48.1	144.4
119	64.1	32.9	98.6

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#67

Ethyl Benzene

Concen: 51.46 ug/l

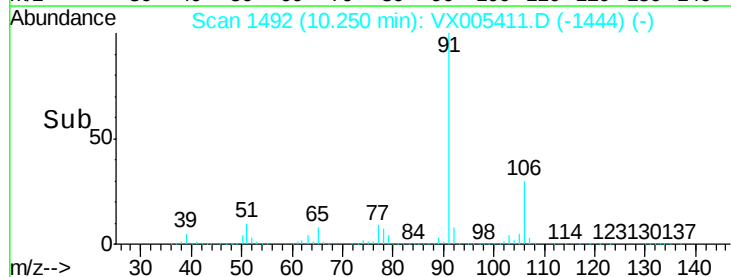
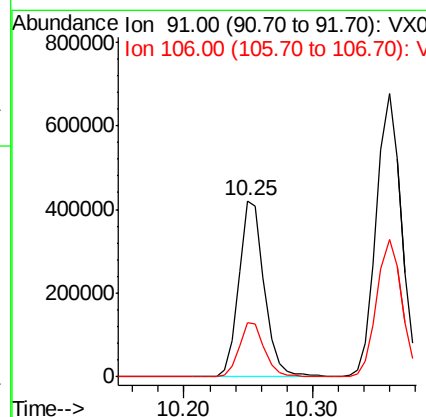
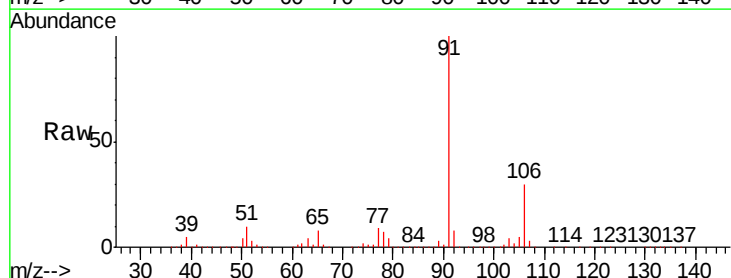
RT: 10.25 min Scan# 1492

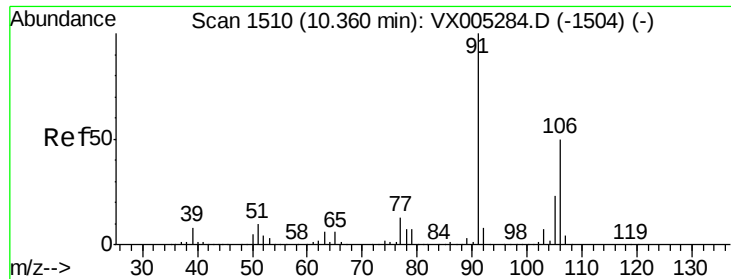
Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	91	Resp:	580060
Ion Ratio	Lower	Upper	
91	100		
106	30.5	25.9	38.9





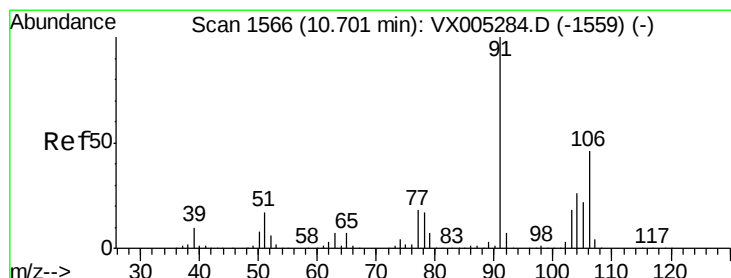
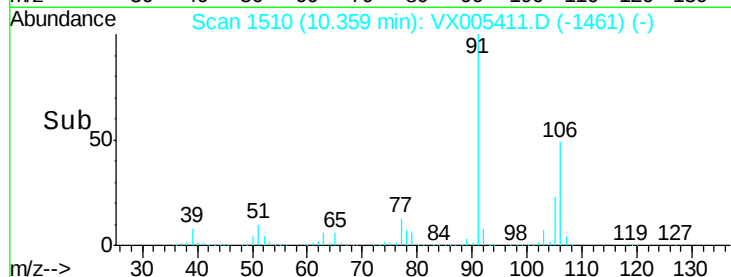
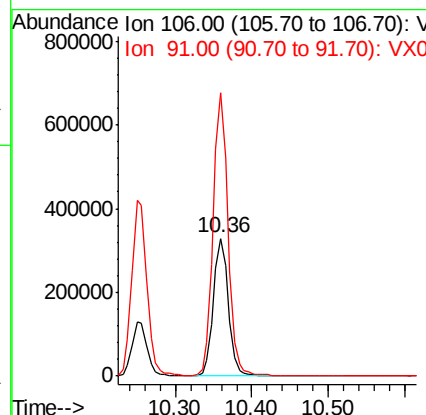
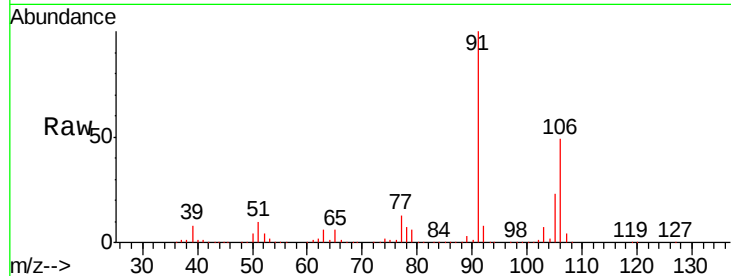
#68
m/p-Xylenes
Concen: 102.83 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion:106 Resp: 449914
Ion Ratio Lower Upper
106 100
91 204.1 157.1 235.7

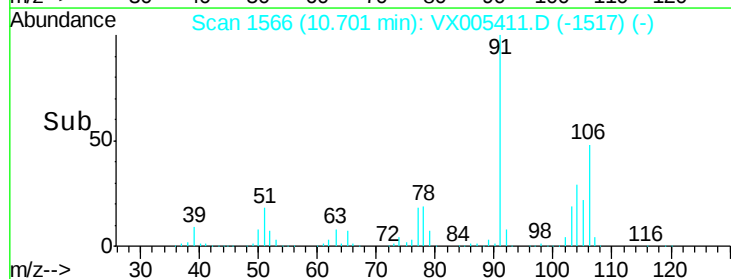
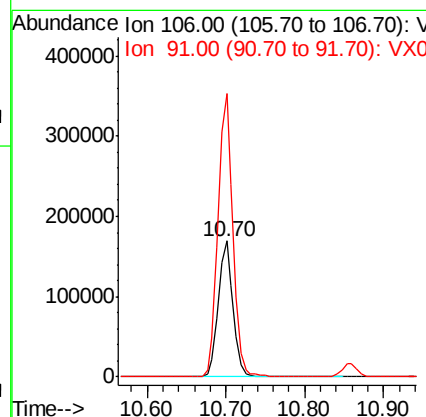
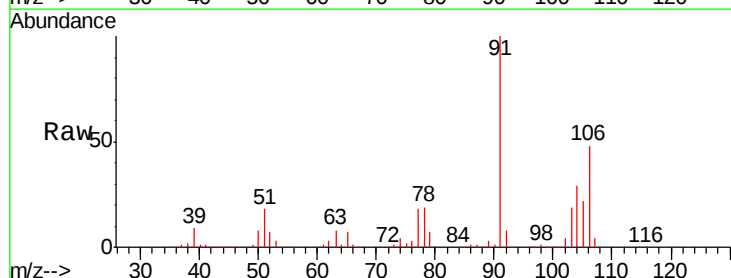
Manual Integrations
APPROVED

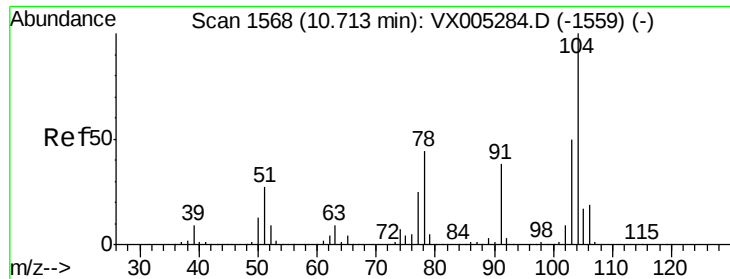
MMDadoda
10/19/2018 12:23:56 PM



#69
o-Xylene
Concen: 52.09 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:106 Resp: 219801
Ion Ratio Lower Upper
106 100
91 212.1 105.1 315.1





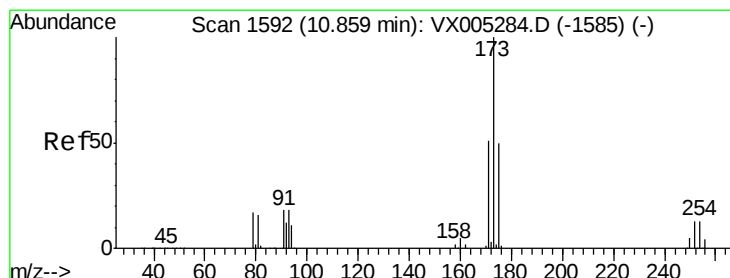
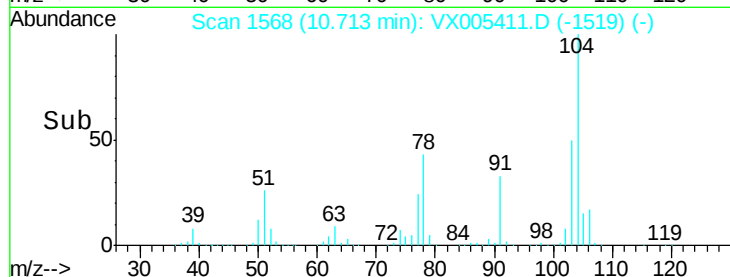
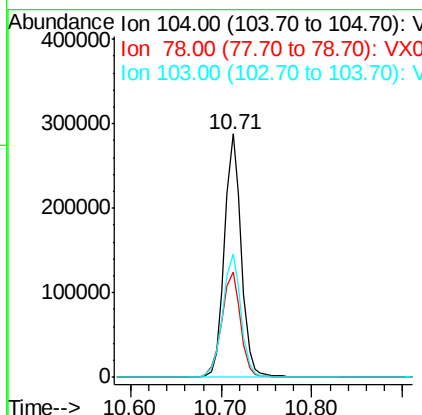
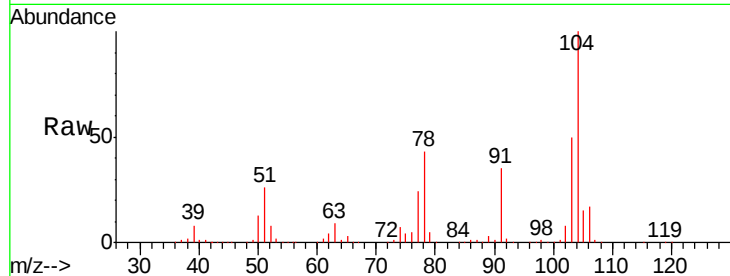
#70
Styrene
Concen: 53.70 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	37.4	56.0
103	55.4	43.8	65.6

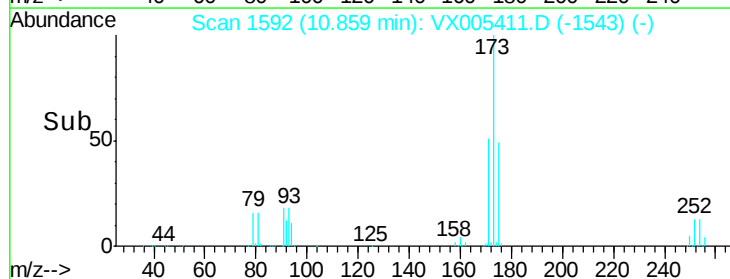
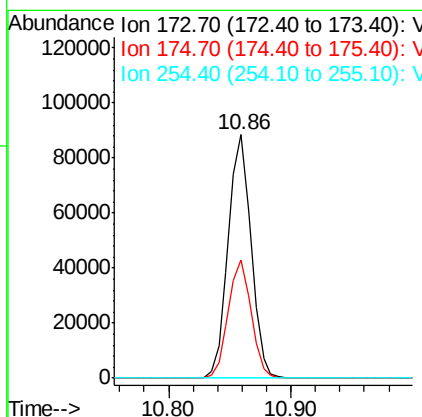
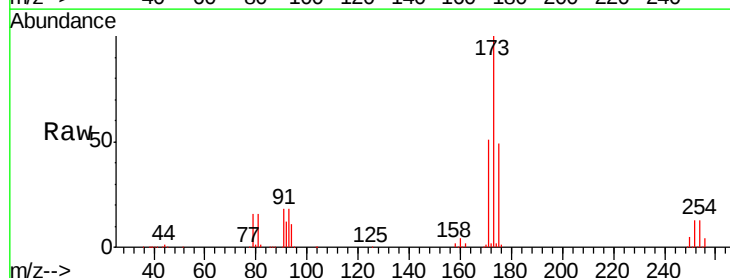
Manual Integrations
APPROVED

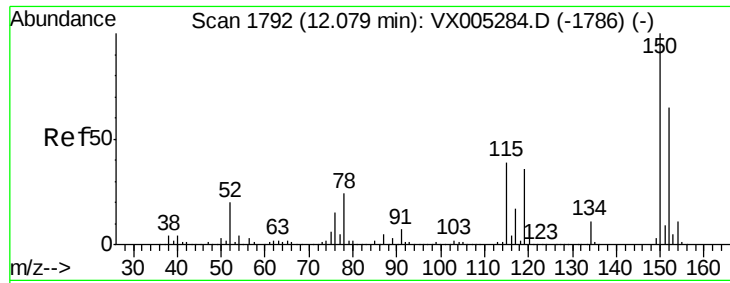
MMDadoda
10/19/2018 12:23:56 PM



#71
Bromoform
Concen: 51.68 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

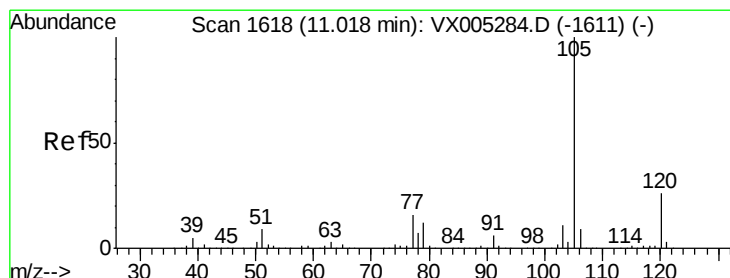
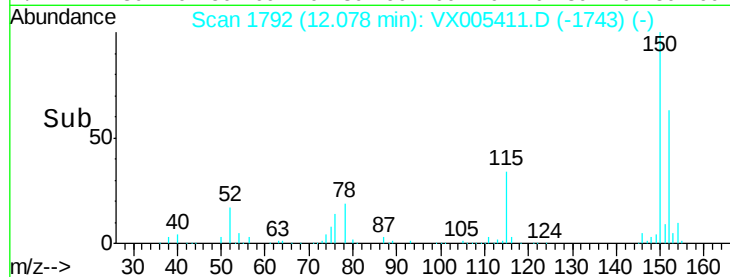
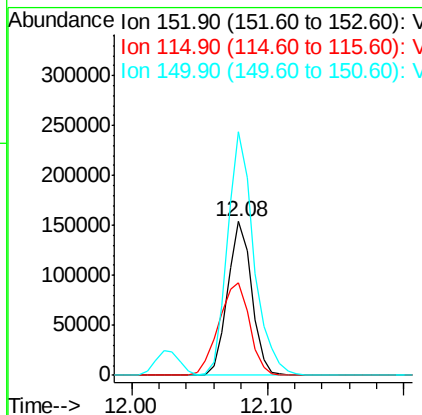
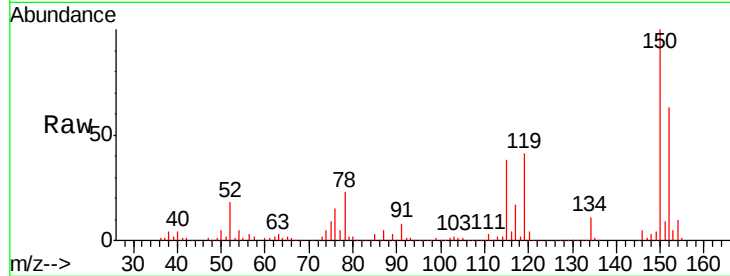
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	152	Resp:	188771
Ion Ratio	Lower	Upper	
152	100		
115	76.9	39.0	117.0
150	174.1	0.0	351.0

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#73

Isopropylbenzene

Concen: 53.21 ug/l

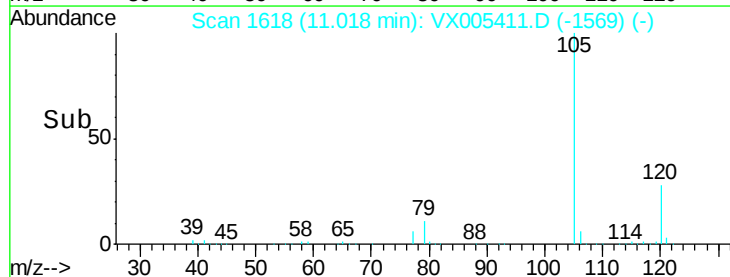
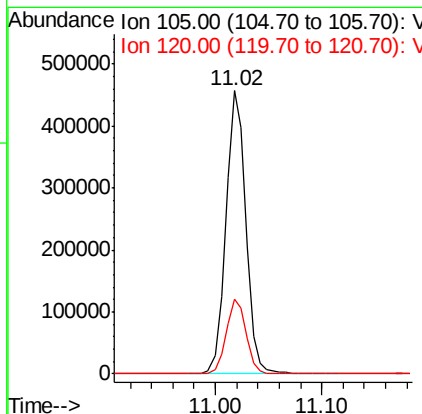
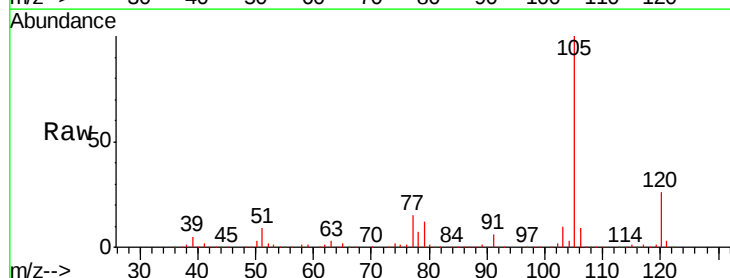
RT: 11.02 min Scan# 1618

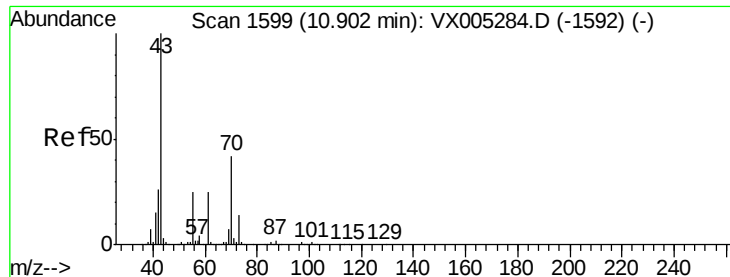
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	105	Resp:	597160
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.5	40.4





#74

N-ethyl acetate

Concen: 52.64 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

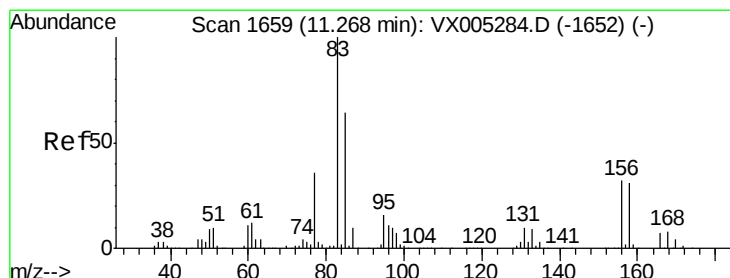
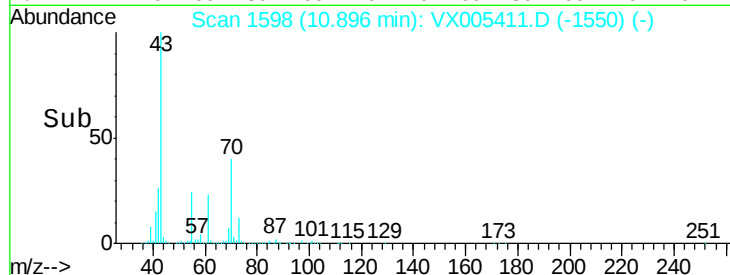
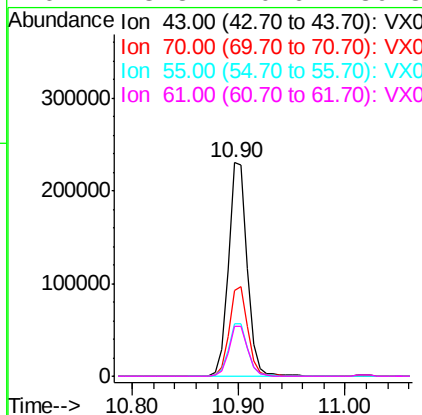
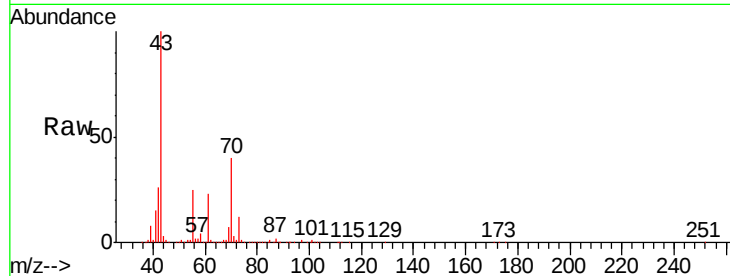
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	43	Resp:	284939
Ion	Ratio	Lower	Upper
43	100		
70	41.6	37.4	56.0
55	25.1	21.8	32.8
61	23.8	20.6	30.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.04 ug/l

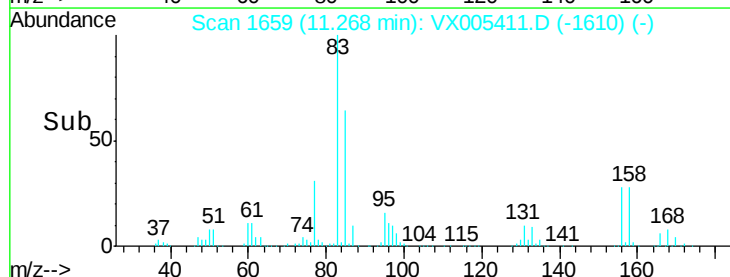
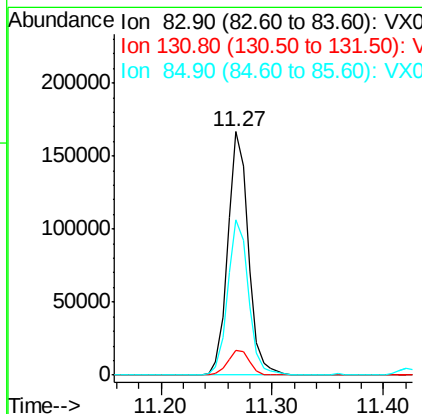
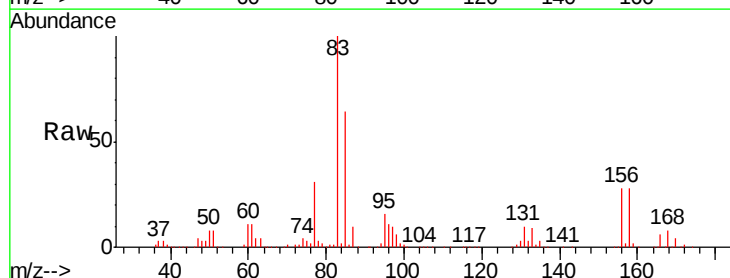
RT: 11.27 min Scan# 1659

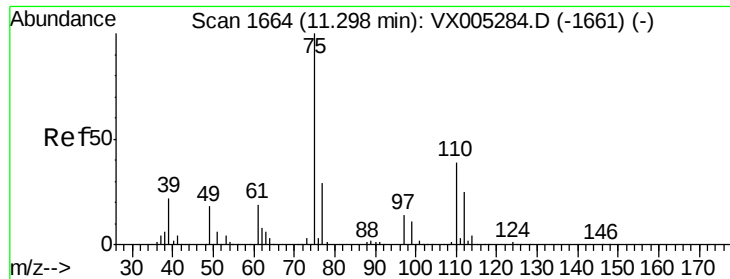
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	83	Resp:	211812
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.7	32.3	96.8





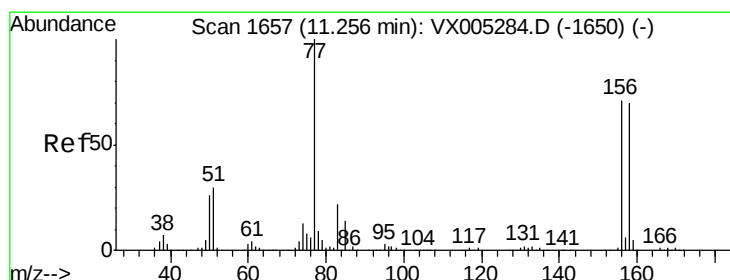
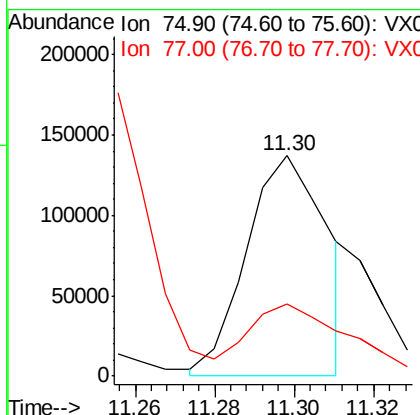
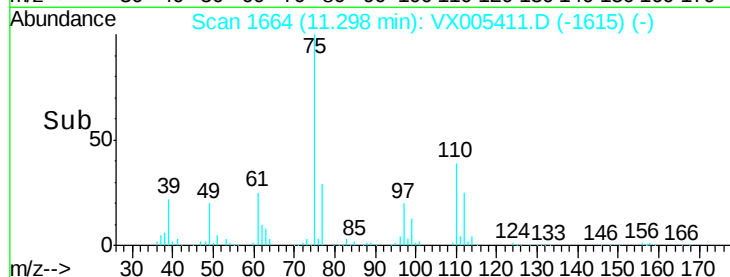
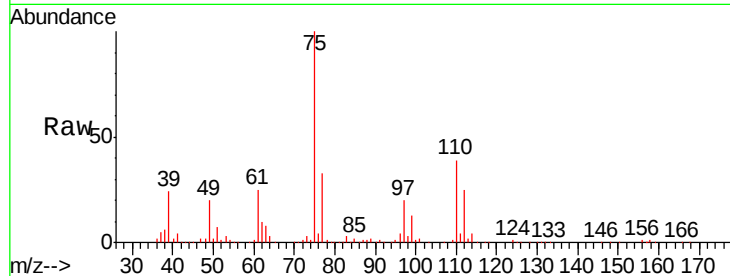
#76
 1,2,3-Trichloropropane
 Concen: 52.42 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion: 75 Resp: 191946
 Ion Ratio Lower Upper
 75 100
 77 40.9 20.2 60.6

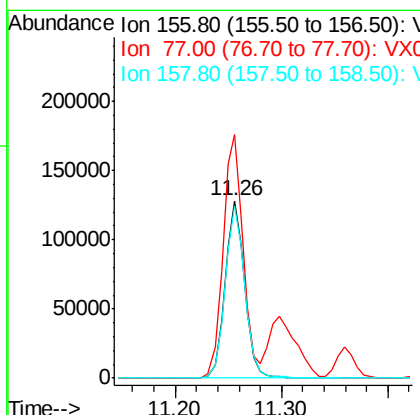
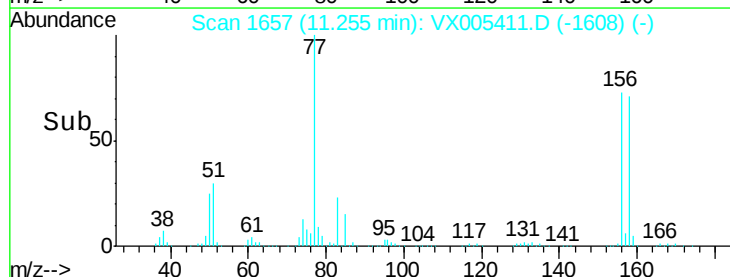
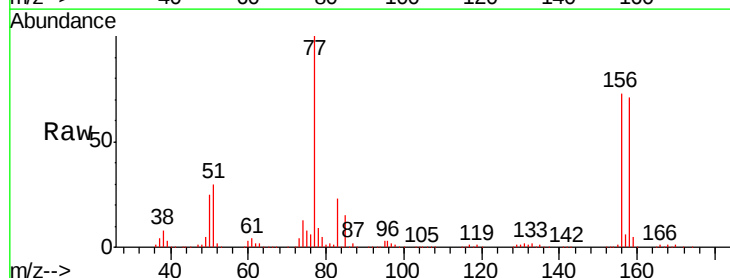
Manual Integrations
 APPROVED

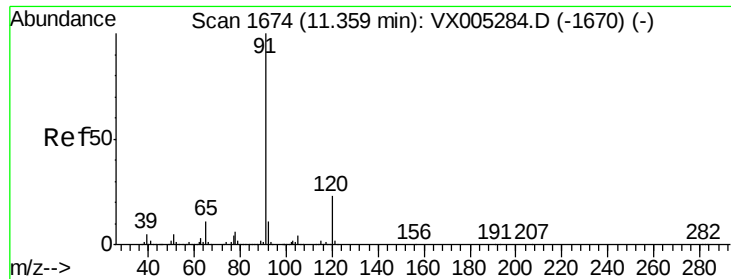
MMDadoda
 10/19/2018 12:23:56 PM



#77
 Bromobenzene
 Concen: 50.92 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 156 Resp: 163384
 Ion Ratio Lower Upper
 156 100
 77 141.1 71.5 214.3
 158 98.0 48.9 146.8





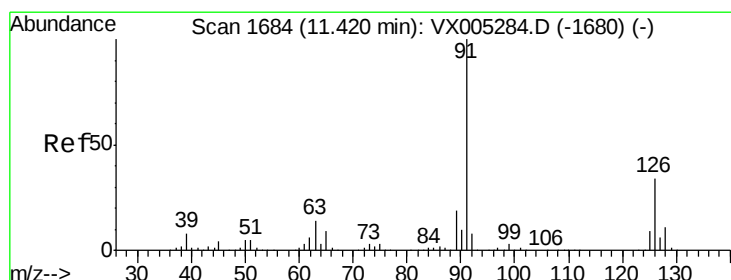
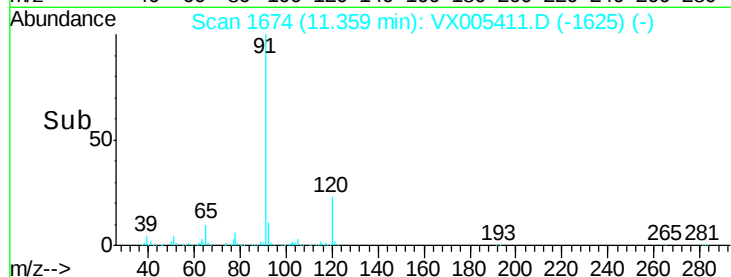
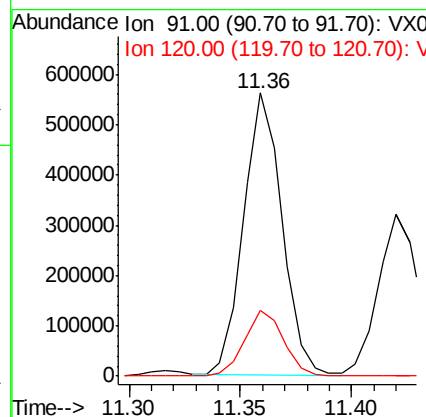
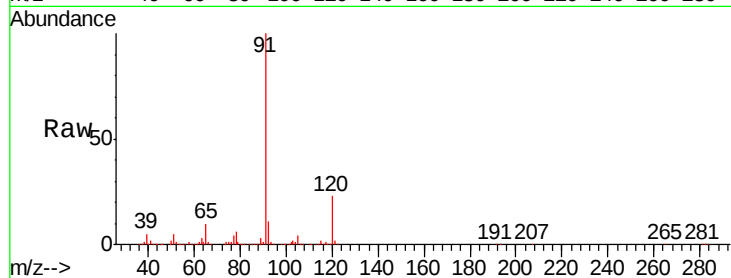
#78
n-propylbenzene
Concen: 52.41 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion: 91 Resp: 676828
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.9

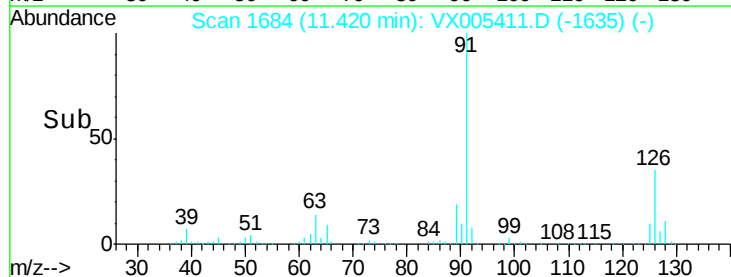
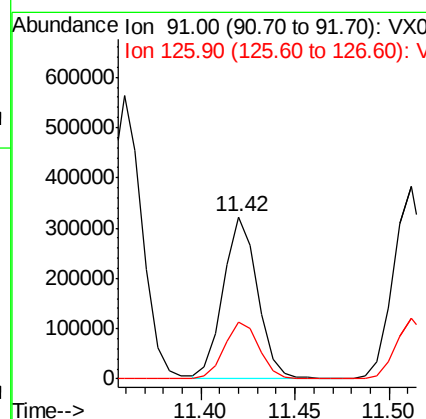
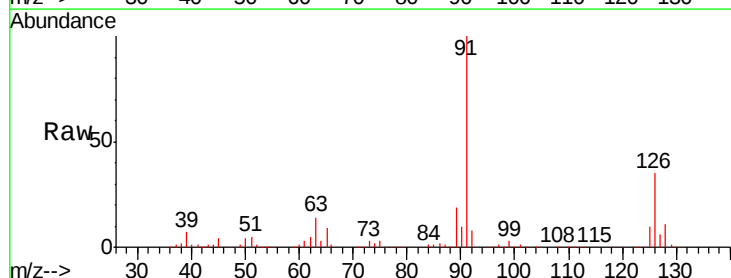
Manual Integrations
APPROVED

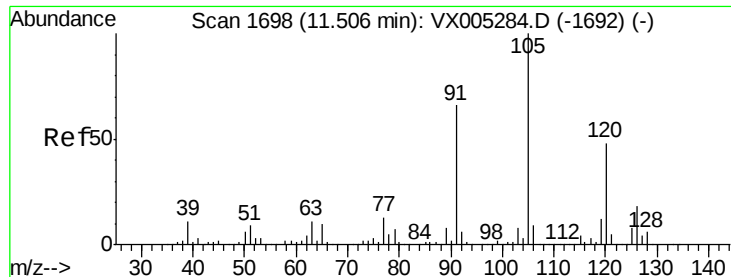
MMDadoda
10/19/2018 12:23:56 PM



#79
2-Chlorotoluene
Concen: 50.67 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 91 Resp: 400752
Ion Ratio Lower Upper
91 100
126 36.1 17.9 53.7





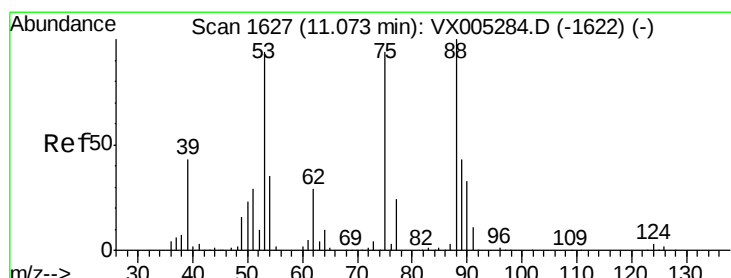
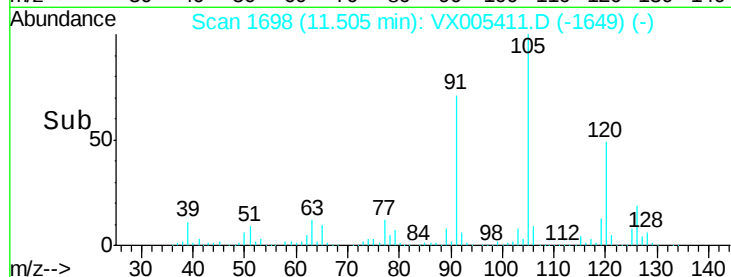
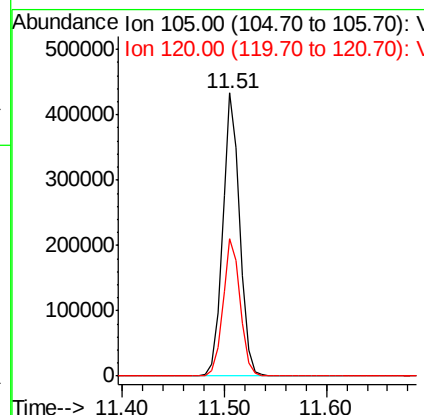
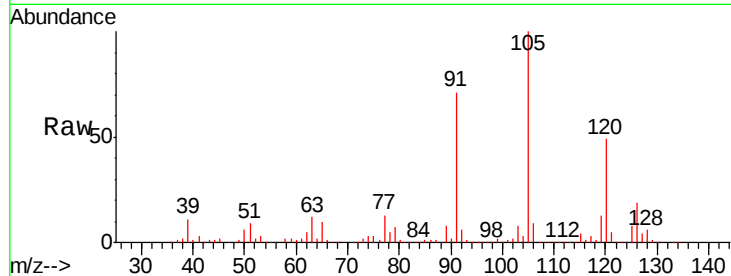
#80
 1,3,5-Trimethylbenzene
 Concen: 52.63 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion: 105 Resp: 505742
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8

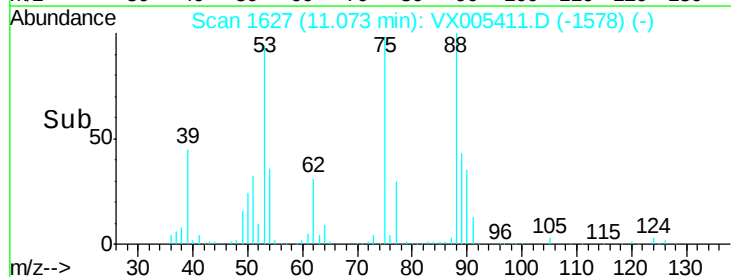
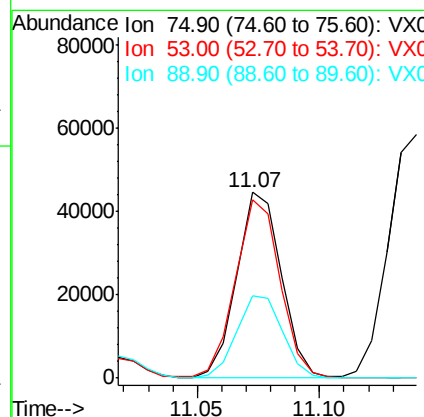
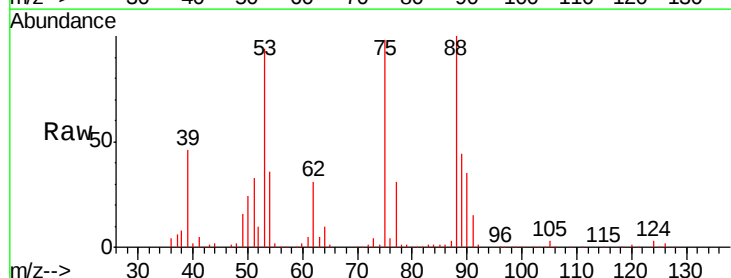
Manual Integrations
 APPROVED

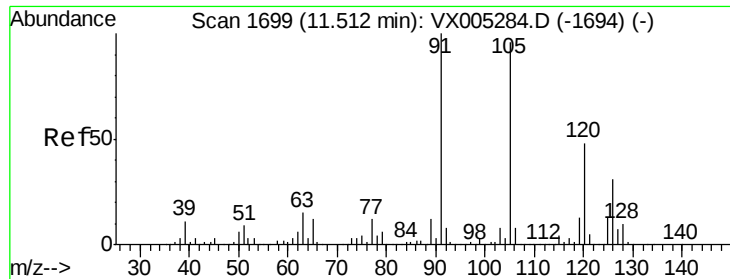
MMDadoda
 10/19/2018 12:23:56 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.55 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 75 Resp: 56094
 Ion Ratio Lower Upper
 75 100
 53 97.3 80.1 120.1
 89 46.7 37.2 55.8





#82

4-Chlorotoluene

Concen: 51.10 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 91 Resp: 479073

Ion Ratio Lower Upper

91 100

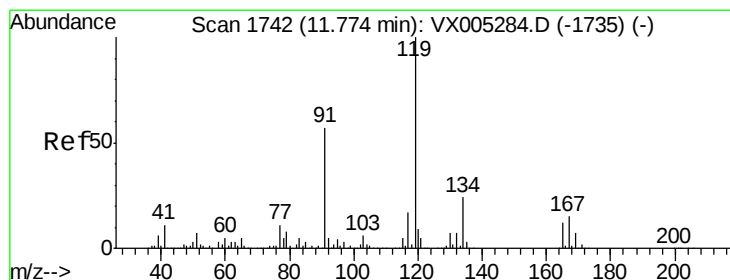
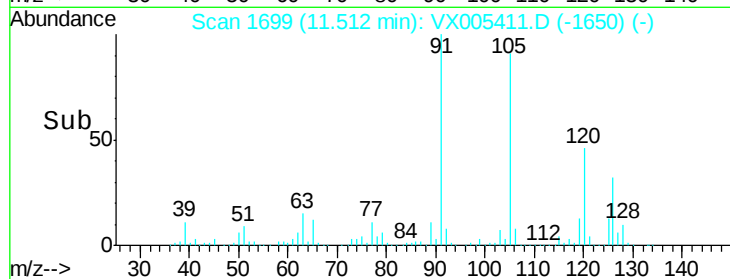
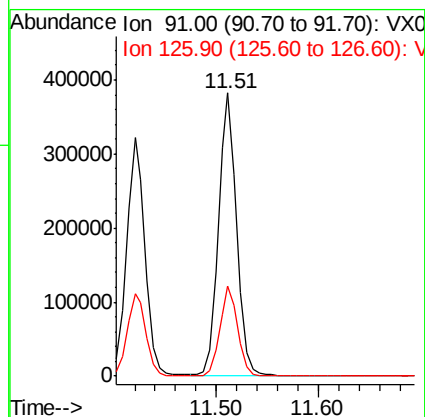
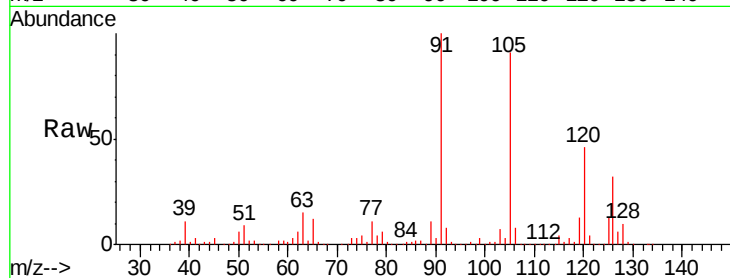
126 31.2 15.5 46.5

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:56 PM



#83

tert-Butylbenzene

Concen: 53.03 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

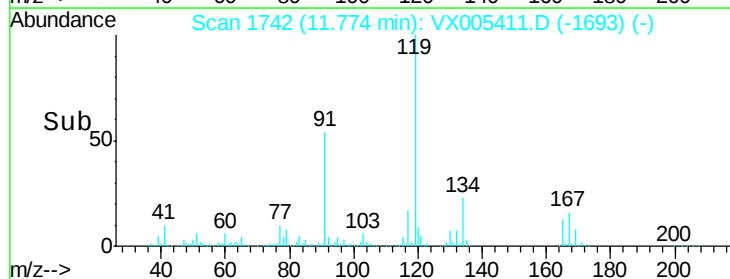
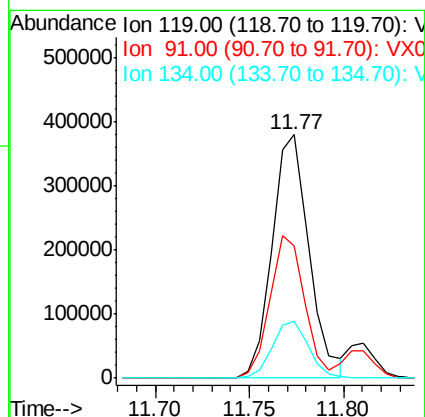
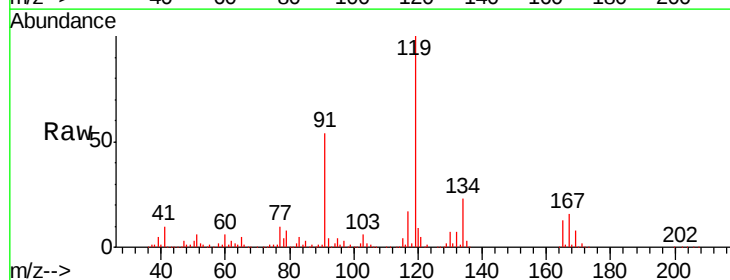
Tgt Ion: 119 Resp: 516055

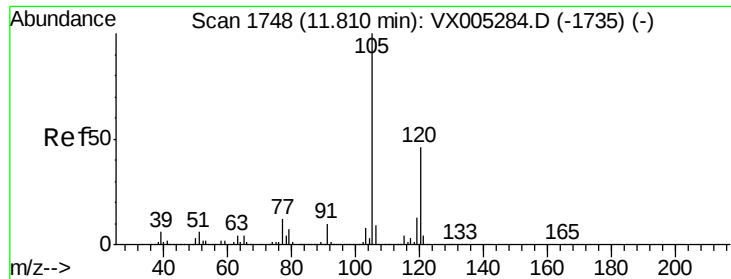
Ion Ratio Lower Upper

119 100

91 54.9 27.0 81.0

134 22.8 11.7 35.1





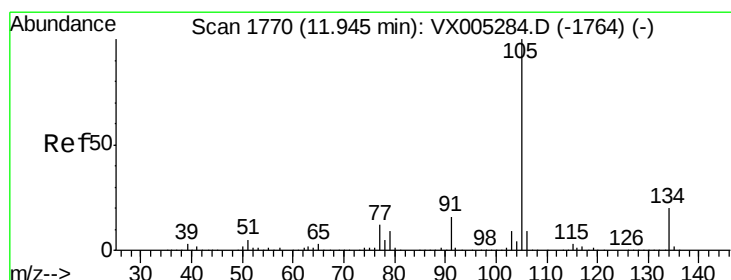
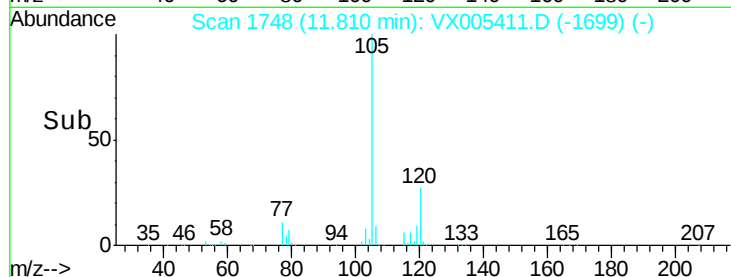
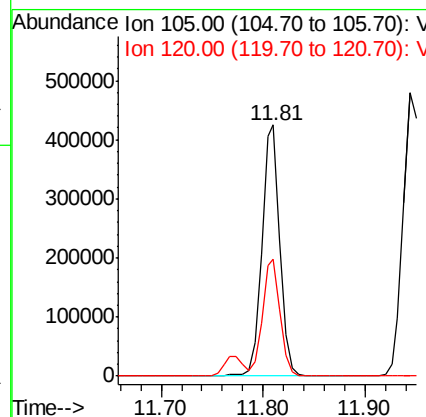
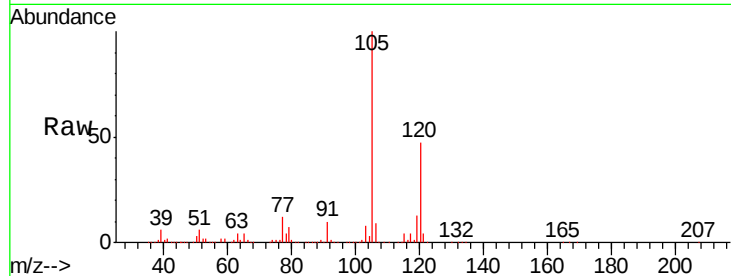
#84
 1,2,4-Trimethylbenzene
 Concen: 53.15 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion:105 Resp: 525633
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.6

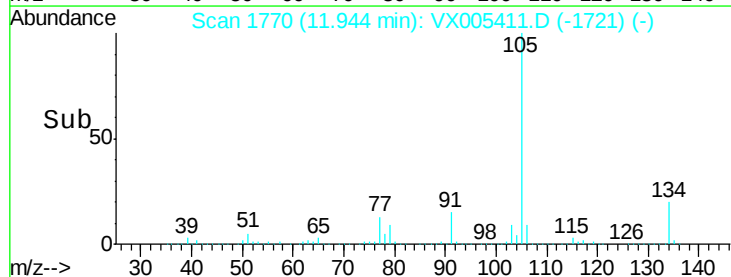
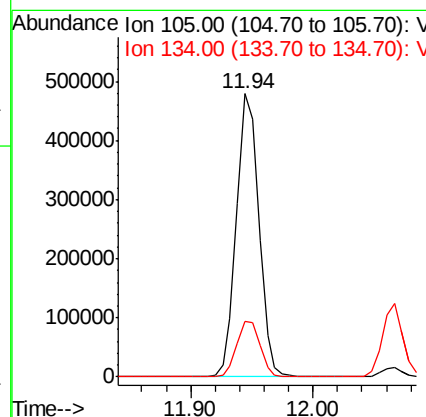
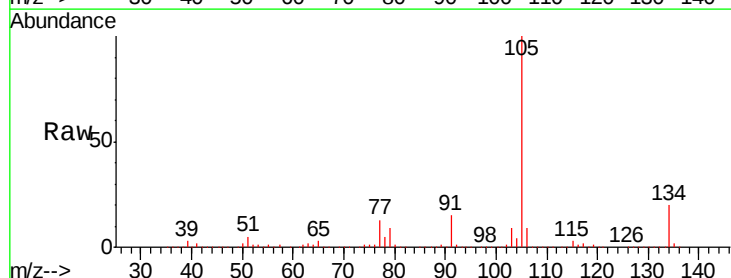
Manual Integrations
 APPROVED

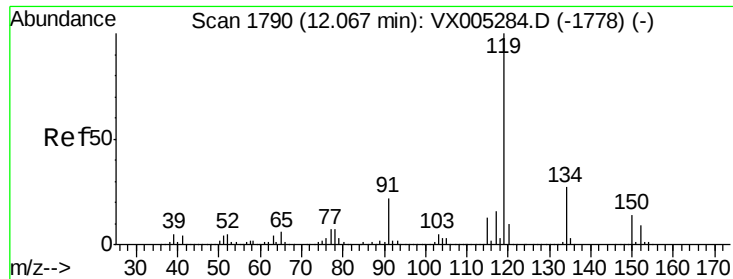
MMDadoda
 10/19/2018 12:23:56 PM



#85
 sec-Butylbenzene
 Concen: 52.49 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion:105 Resp: 604503
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.5 31.5





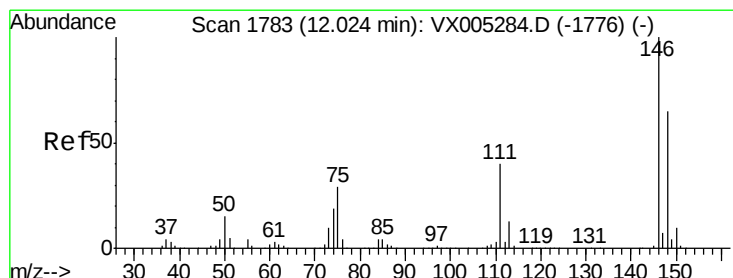
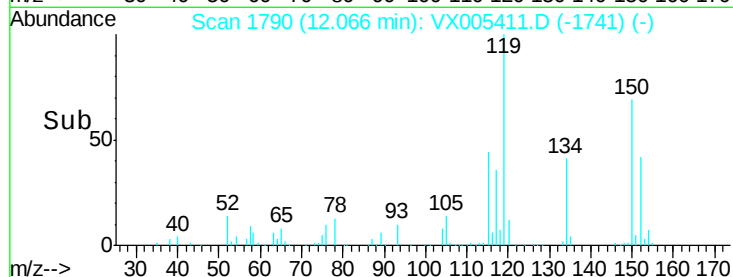
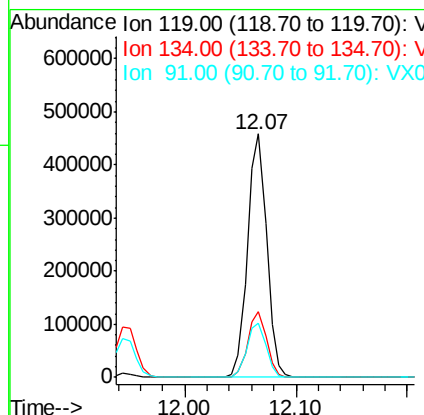
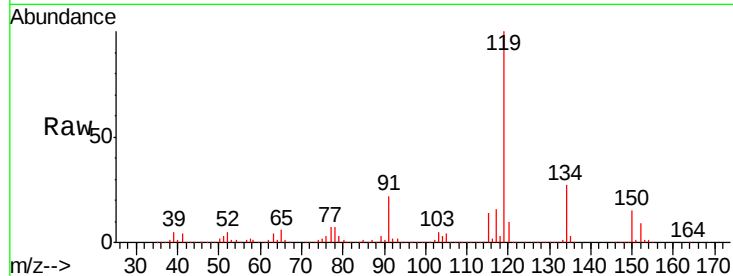
#86
p-Isopropyltoluene
Concen: 52.60 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	22.7	10.9	32.7

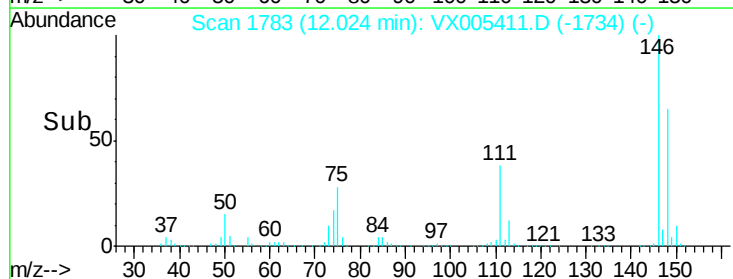
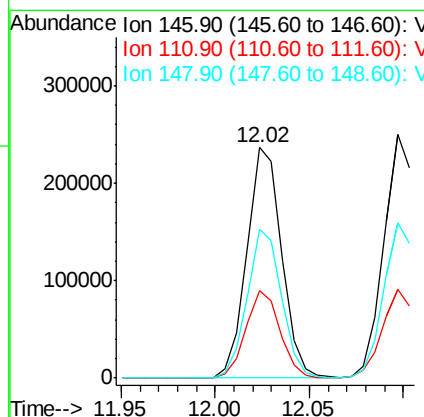
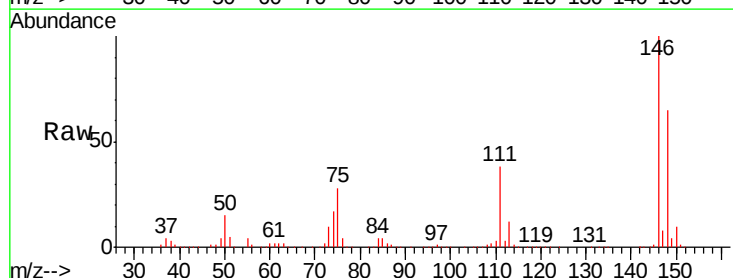
Manual Integrations
APPROVED

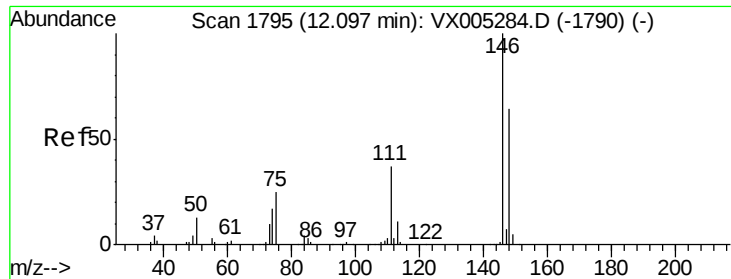
MMDadoda
10/19/2018 12:23:56 PM



#87
1,3-Dichlorobenzene
Concen: 50.51 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.1	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 50.44 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

Tgt Ion: 146 Resp: 309377
Ion Ratio Lower Upper

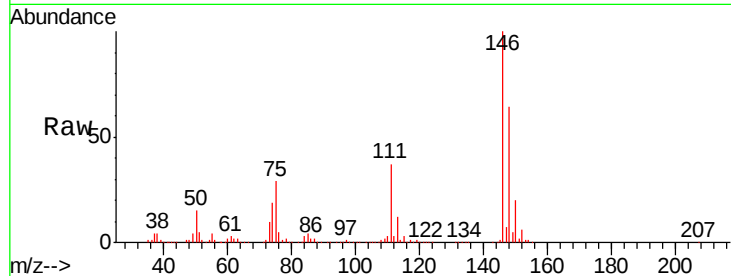
146 100

111 36.8 18.1 54.1

148 64.4 32.0 96.0

Manual Integrations
APPROVED

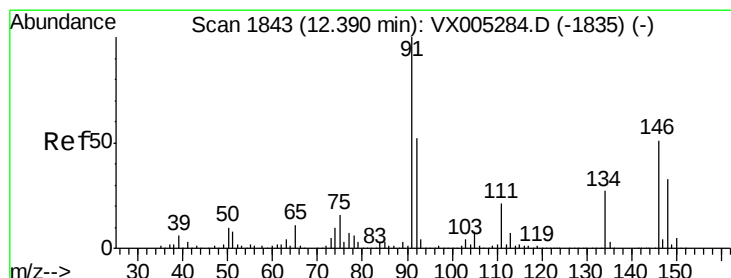
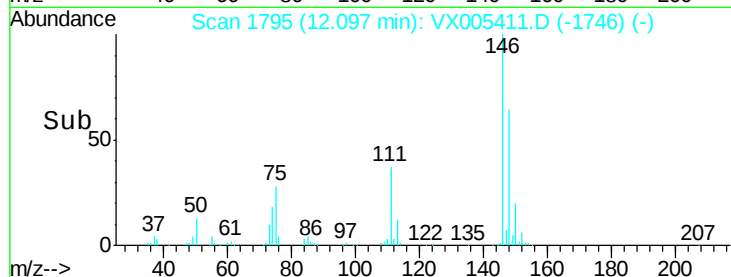
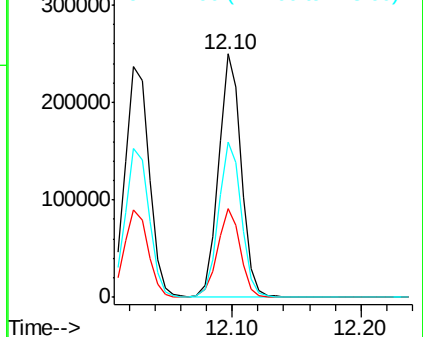
MMDadoda
10/19/2018 12:23:56 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.81 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005411.D

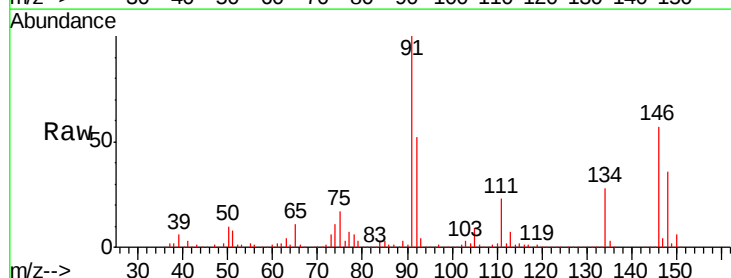
Acq: 18 Oct 2018 01:07

Tgt Ion: 91 Resp: 480168
Ion Ratio Lower Upper

91 100

92 52.5 27.3 81.9

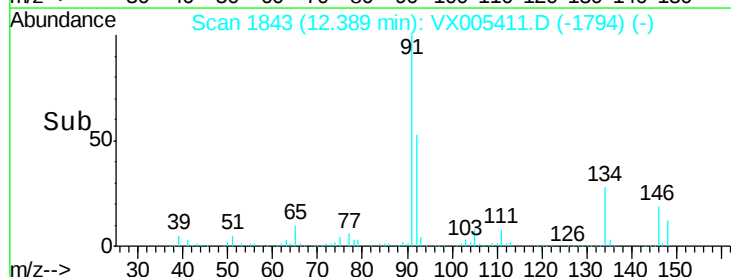
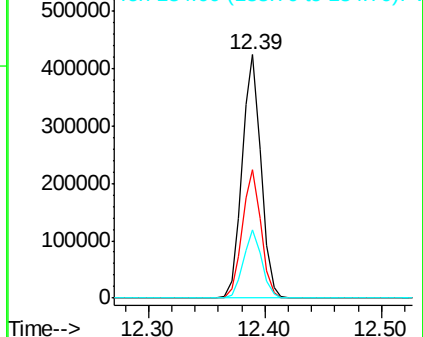
134 27.4 13.6 40.7

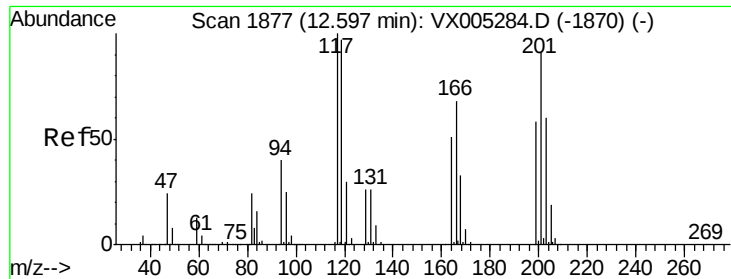


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





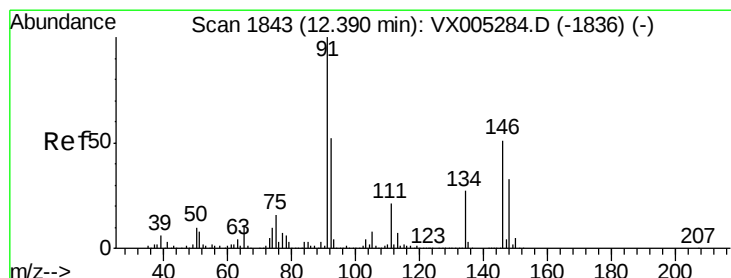
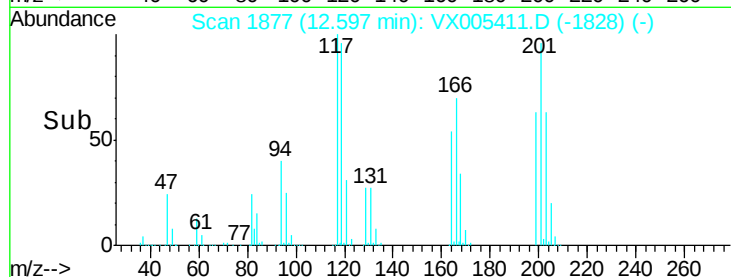
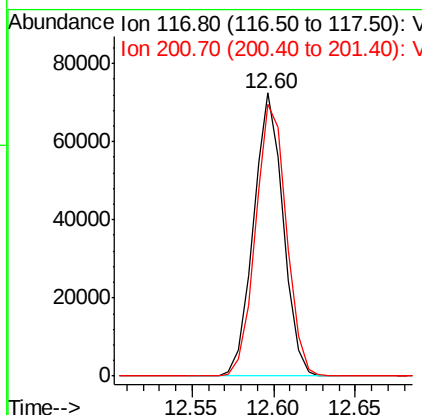
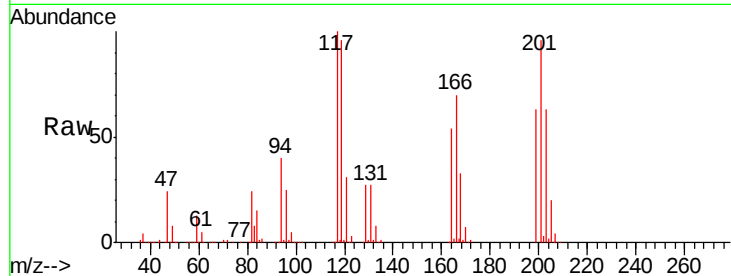
#90
Hexachloroethane
Concen: 50.85 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tgt Ion:117 Resp: 91227
Ion Ratio Lower Upper
117 100
201 99.7 46.9 140.6

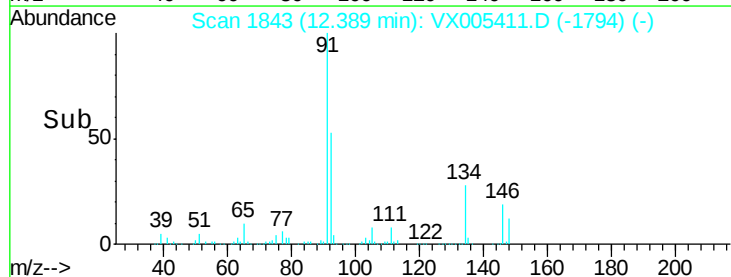
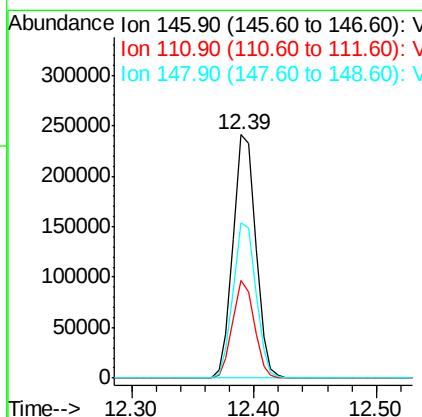
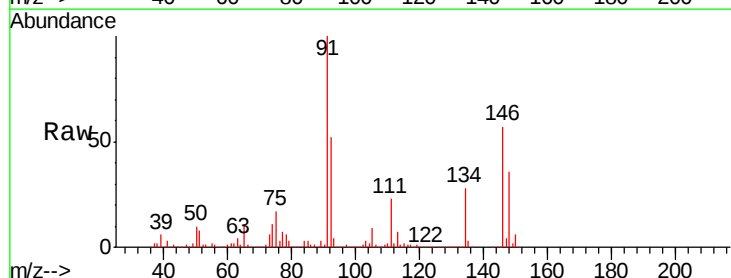
Manual Integrations
APPROVED

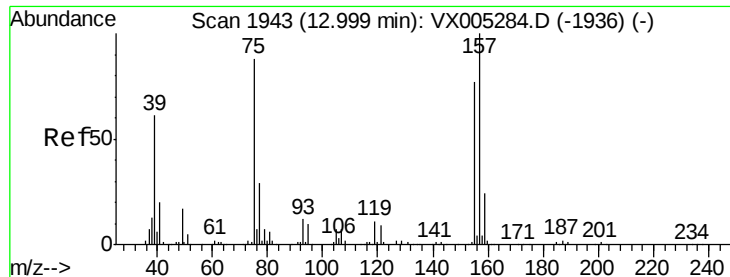
MMDadoda
10/19/2018 12:23:56 PM



#91
1,2-Dichlorobenzene
Concen: 50.50 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:146 Resp: 308970
Ion Ratio Lower Upper
146 100
111 38.4 19.4 58.1
148 64.2 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.77 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

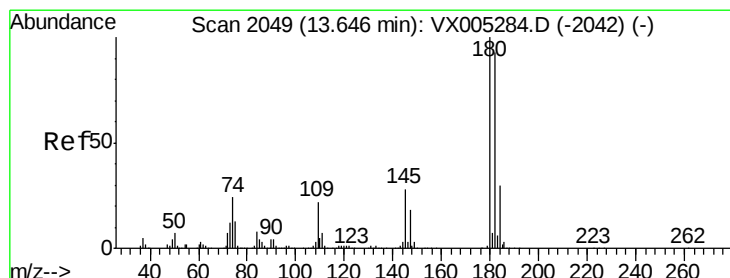
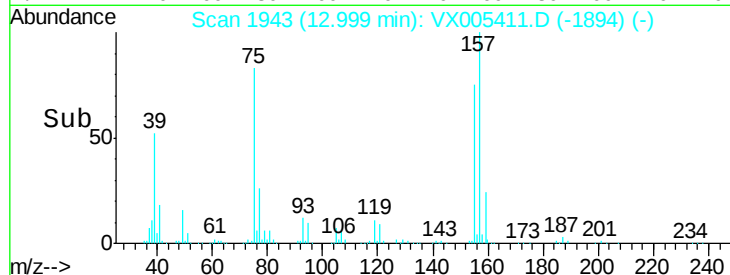
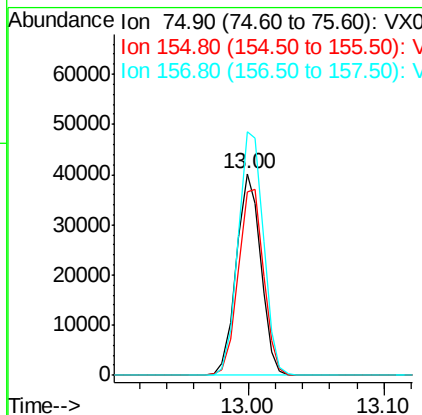
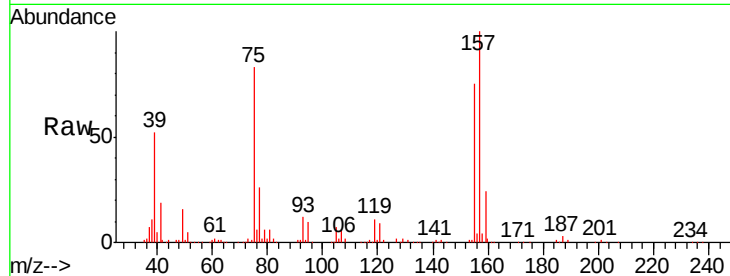
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	75	Resp:	50358
Ion Ratio	Lower	Upper	
75	100		
155	95.9	48.0	144.2
157	124.9	61.4	184.1

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#93

1,2,4-Trichlorobenzene

Concen: 52.73 ug/l

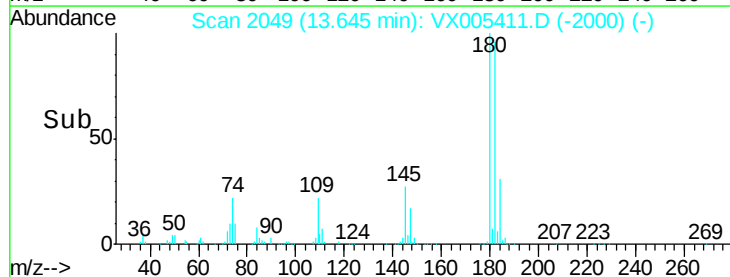
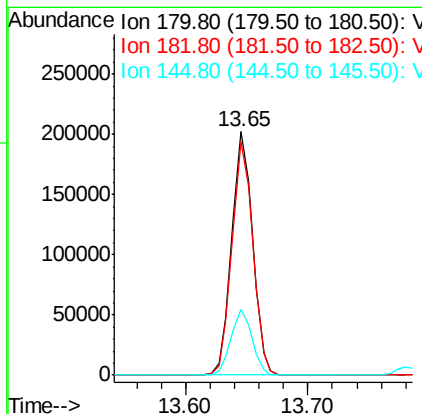
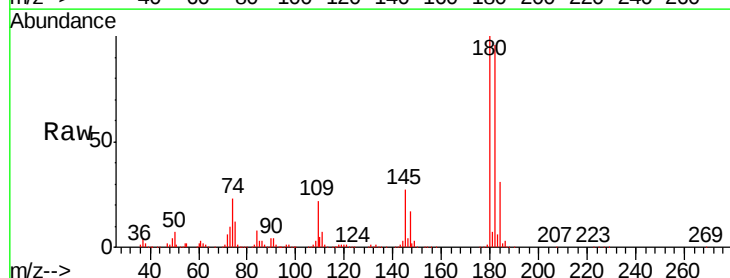
RT: 13.65 min Scan# 2049

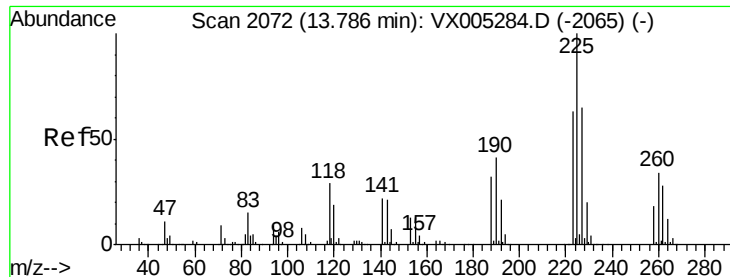
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	180	Resp:	236697
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.4	145.0
145	27.1	14.3	42.9





#94

Hexachlorobutadiene

Concen: 48.88 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

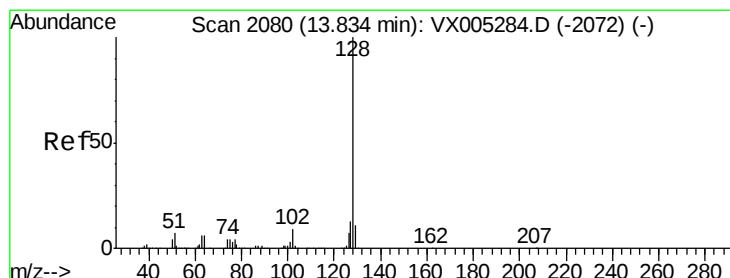
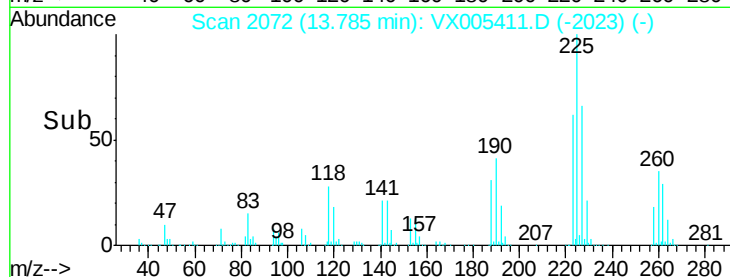
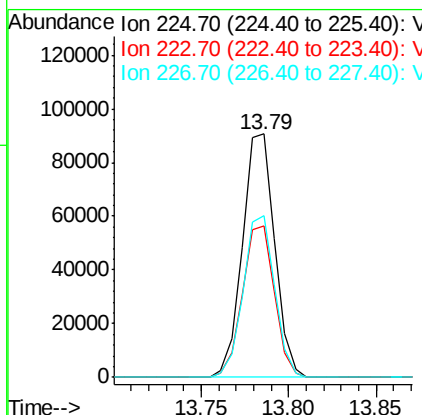
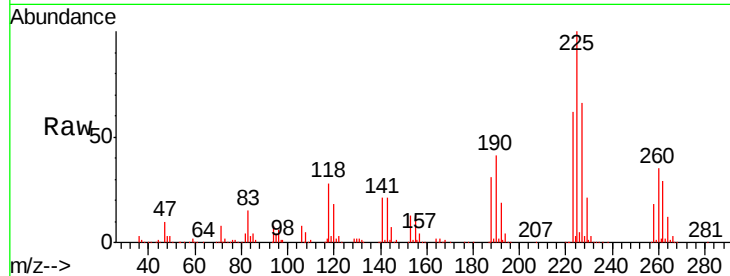
ClientSampleId :

RLF-GW-9SMS

Tgt Ion:	225	Resp:	115894
Ion Ratio		Lower	Upper
225	100		
223	61.7	30.1	90.5
227	64.6	30.8	92.4

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:56 PM



#95

Naphthalene

Concen: 55.28 ug/l

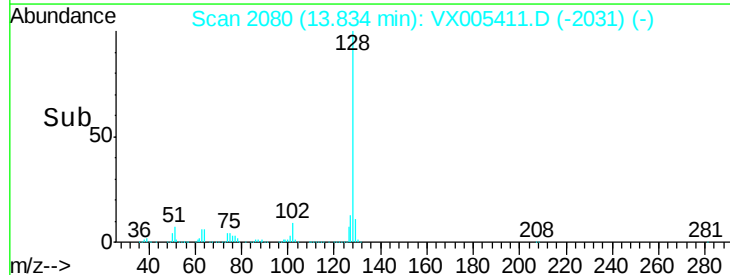
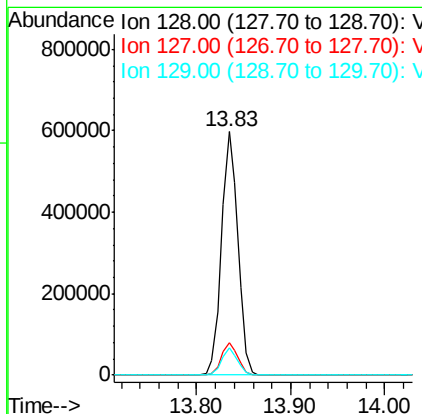
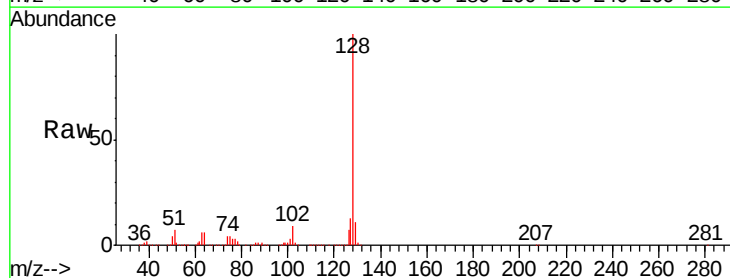
RT: 13.83 min Scan# 2080

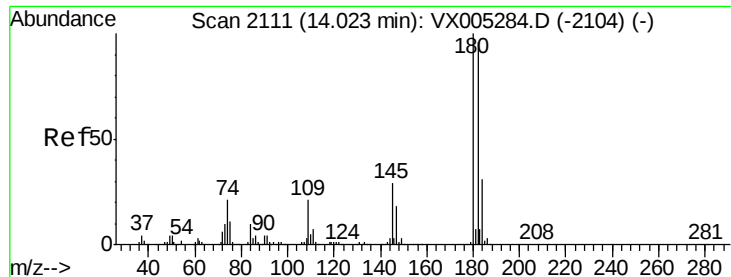
Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion:	128	Resp:	719608
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 52.70 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tgt Ion:	180	Resp:	242056
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.5	145.6
145	29.4	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:56 PM

