

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005658.D
 Acq On : 29 Oct 2018 14:17
 Operator : JC/MD
 Sample : VX1029WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 10:50:49 AM

Quant Time: Oct 30 03:24:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160093	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125526	47.18	ug/l	0.00
Spiked Amount						
			Recovery	=	94.36%	
35) Dibromofluoromethane	5.49	113	100237	46.46	ug/l	0.00
Spiked Amount						
			Recovery	=	92.92%	
50) Toluene-d8	8.71	98	352192	45.43	ug/l	0.00
Spiked Amount						
			Recovery	=	90.86%	
62) 4-Bromofluorobenzene	11.14	95	130375	44.53	ug/l	0.00
Spiked Amount						
			Recovery	=	89.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52457	24.384	ug/l	94
3) Chloromethane	1.32	50	55607	20.297	ug/l	99
4) Vinyl Chloride	1.40	62	54068	20.070	ug/l	97
5) Bromomethane	1.64	94	31344	18.699	ug/l	99
6) Chloroethane	1.72	64	32404	18.829	ug/l	97
7) Trichlorofluoromethane	1.93	101	73244	19.567	ug/l	95
8) Diethyl Ether	2.19	74	29126	19.498	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	42059	19.583	ug/l	99
10) Methyl Iodide	2.51	142	37412	18.496	ug/l	100
11) Tert butyl alcohol	3.08	59	71280	99.560	ug/l	100
12) 1,1-Dichloroethene	2.37	96	39908	19.506	ug/l	97
13) Acrolein	2.29	56	31647	86.654	ug/l	98
14) Allyl chloride	2.72	41	88392	19.358	ug/l	98
15) Acrylonitrile	3.15	53	149166	92.914	ug/l	98
16) Acetone	2.45	43	149731	106.504	ug/l	99
17) Carbon Disulfide	2.57	76	115969	18.595	ug/l	99
18) Methyl Acetate	2.78	43	73129	20.184	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	139275	19.084	ug/l	99
20) Methylene Chloride	2.85	84	45184	19.190	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	40668	18.205	ug/l	99
22) Diisopropyl ether	3.88	45	152832	19.167	ug/l	# 88
23) Vinyl Acetate	3.82	43	672381	95.746	ug/l	99
24) 1,1-Dichloroethane	3.69	63	84703	19.538	ug/l	98
25) 2-Butanone	4.70	43	214274	100.088	ug/l	99
26) 2,2-Dichloropropane	4.58	77	65722	19.636	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	45786	19.012	ug/l	94
28) Bromochloromethane	5.01	49	41004	19.556	ug/l	96
29) Tetrahydrofuran	5.15	42	142949	102.603	ug/l	99
30) Chloroform	5.21	83	79039	19.491	ug/l	94
31) Cyclohexane	5.58	56	70102	19.544	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	70238	19.624	ug/l	98
36) 1,1-Dichloropropene	5.80	75	57501	18.594	ug/l	97
37) Ethyl Acetate	4.85	43	73838	18.712	ug/l	99
38) Carbon Tetrachloride	5.77	117	62850	19.297	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102918\
 Data File : VX005658.D
 Acq On : 29 Oct 2018 14:17
 Operator : JC/MD
 Sample : VX1029WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 10:50:49 AM

Quant Time: Oct 30 03:24:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	68410	20.034	ug/l	87
40) Benzene	6.14	78	182588	20.597	ug/l	96
41) Methacrylonitrile	5.06	41	42582	19.372	ug/l	98
42) 1,2-Dichloroethane	6.20	62	66751	19.822	ug/l	100
43) Isopropyl Acetate	6.46	43	115838	19.589	ug/l	99
44) Trichloroethene	7.21	130	48804	20.209	ug/l	95
45) 1,2-Dichloropropane	7.52	63	46784	19.630	ug/l	100
46) Dibromomethane	7.66	93	29906	19.429	ug/l	98
47) Bromodichloromethane	7.90	83	55986	18.740	ug/l	99
48) Methyl methacrylate	7.77	41	54280	18.842	ug/l	100
49) 1,4-Dioxane	7.75	88	24107	382.931	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	373632	94.016	ug/l	100
52) Toluene	8.79	92	102974	19.114	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59538	18.440	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	66261	19.061	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	42457	18.692	ug/l	96
56) Ethyl methacrylate	9.18	69	62936	18.576	ug/l	100
57) 1,3-Dichloropropane	9.37	76	70345	18.303	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	167094	88.306	ug/l	99
59) 2-Hexanone	9.49	43	296781	94.716	ug/l	100
60) Dibromochloromethane	9.59	129	44665	18.847	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44918	19.115	ug/l	98
64) Tetrachloroethene	9.34	164	45450	19.131	ug/l	96
65) Chlorobenzene	10.14	112	115646	18.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	41925	18.867	ug/l	98
67) Ethyl Benzene	10.25	91	193360	19.285	ug/l	100
68) m/p-Xylenes	10.36	106	152090	39.098	ug/l	100
69) o-Xylene	10.70	106	72049	19.687	ug/l	100
70) Styrene	10.71	104	119659	19.531	ug/l	99
71) Bromoform	10.86	173	36647	18.482	ug/l #	98
73) Isopropylbenzene	11.02	105	200854	20.524	ug/l	100
74) N-amyl acetate	10.90	43	91911	18.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	68944	19.096	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	65711m	19.372	ug/l	
77) Bromobenzene	11.26	156	53652	19.672	ug/l	98
78) n-propylbenzene	11.36	91	227841	20.361	ug/l	99
79) 2-Chlorotoluene	11.42	91	138225	19.922	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	170957	20.421	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19515	18.799	ug/l	96
82) 4-Chlorotoluene	11.51	91	162546	19.868	ug/l	100
83) tert-Butylbenzene	11.77	119	166094	19.904	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	175782	20.718	ug/l	100
85) sec-Butylbenzene	11.94	105	200627	20.148	ug/l	100
86) p-Isopropyltoluene	12.07	119	180736	20.304	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	99763	19.452	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	100911	18.850	ug/l	99
89) n-Butylbenzene	12.39	91	156596	19.487	ug/l	99
90) Hexachloroethane	12.60	117	29769	19.390	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	100593	19.386	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16957	19.425	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
Data File : VX005658.D
Acq On : 29 Oct 2018 14:17
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM

Quant Time: Oct 30 03:24:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	72630	19.309	ug/l	99
94) Hexachlorobutadiene	13.79	225	36888	18.924	ug/l	99
95) Naphthalene	13.83	128	219199	20.048	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	75036	19.680	ug/l	99

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

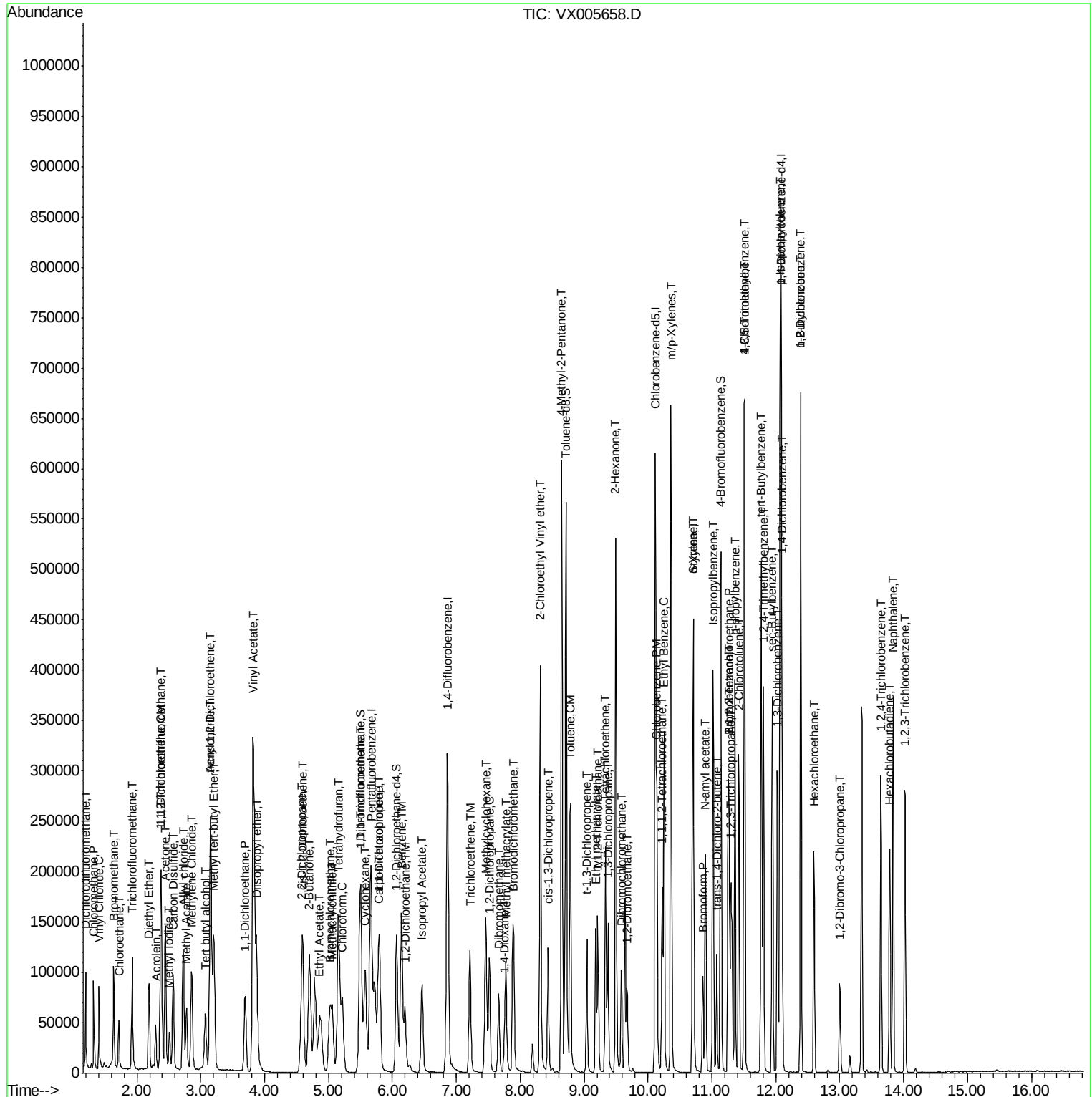
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102918\
Data File : VX005658.D
Acq On : 29 Oct 2018 14:17
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

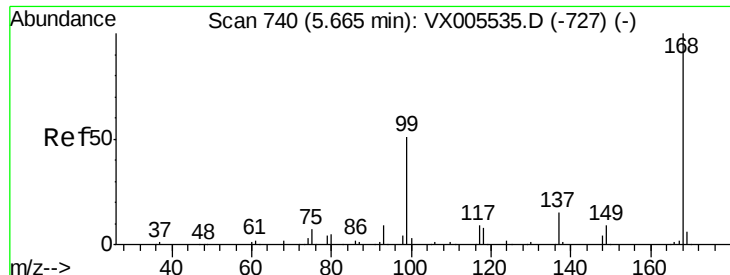
Instrument :
MSVOA_X
Client Sample ID :
VX1029WBSD01

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM

Quant Time: Oct 30 03:24:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion:168 Resp: 217955

Ion Ratio Lower Upper

168 100

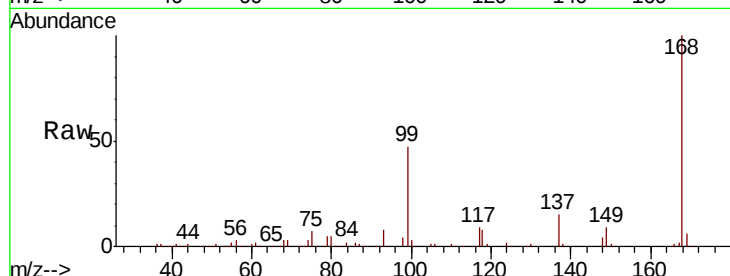
99 47.2 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

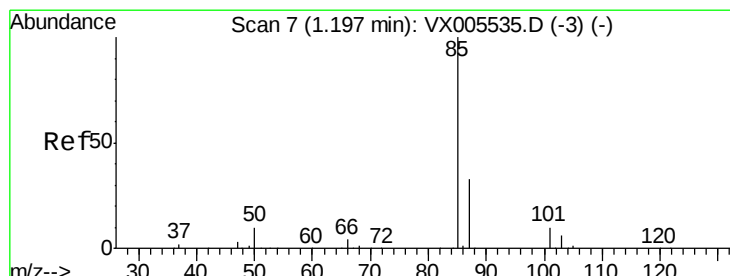
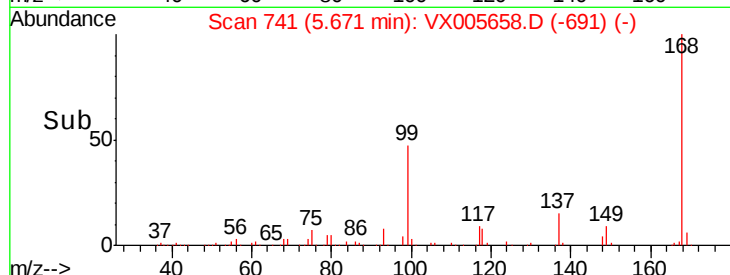
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 24.384 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005658.D

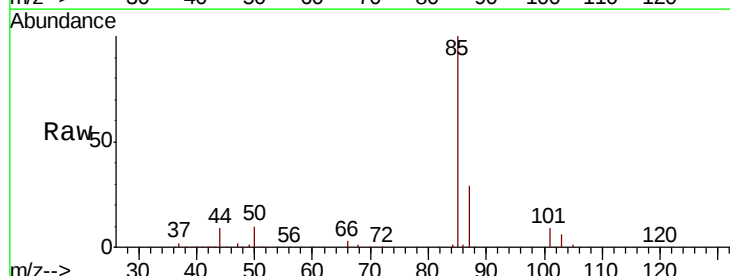
Acq: 29 Oct 2018 14:17

Tgt Ion: 85 Resp: 52457

Ion Ratio Lower Upper

85 100

87 29.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

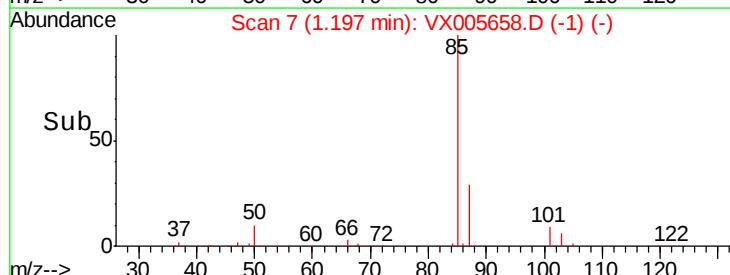
20000

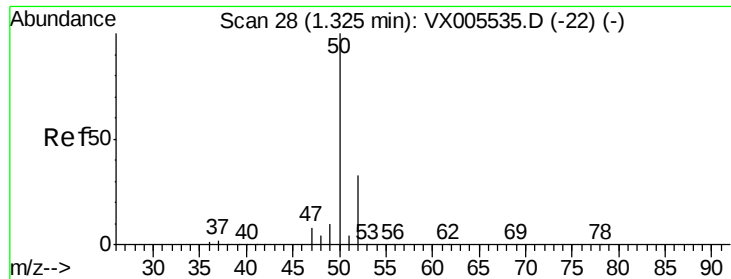
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.297 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 50 Resp: 55607

Ion Ratio Lower Upper

50 100

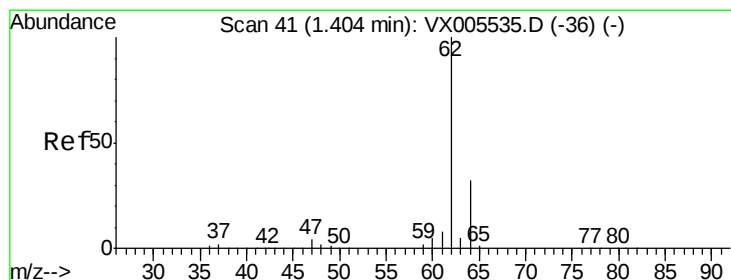
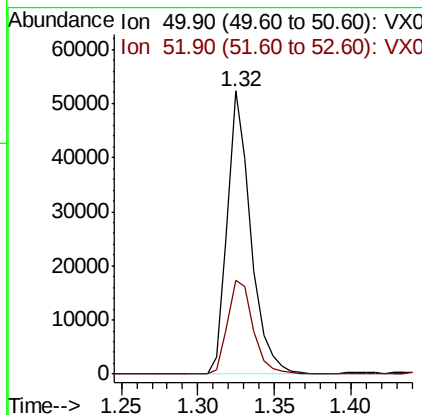
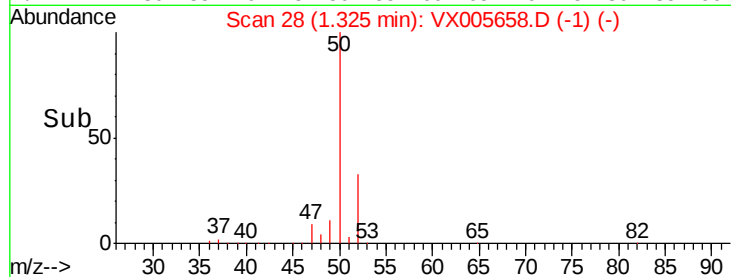
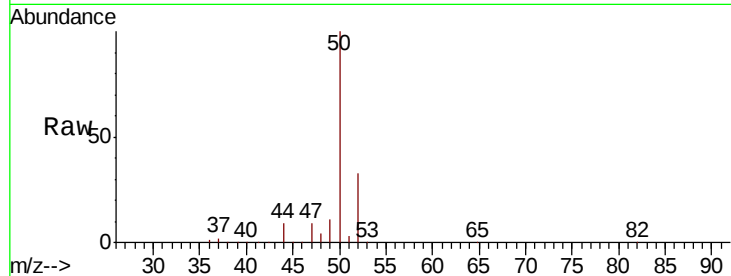
52 33.2 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



#4

Vinyl Chloride

Concen: 20.070 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005658.D

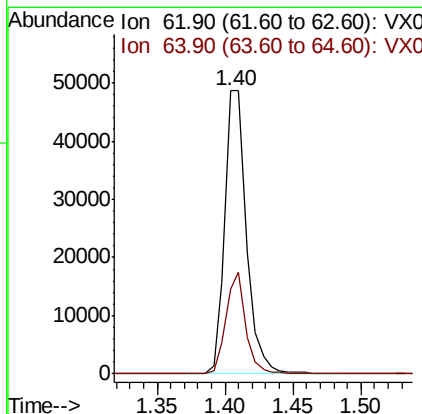
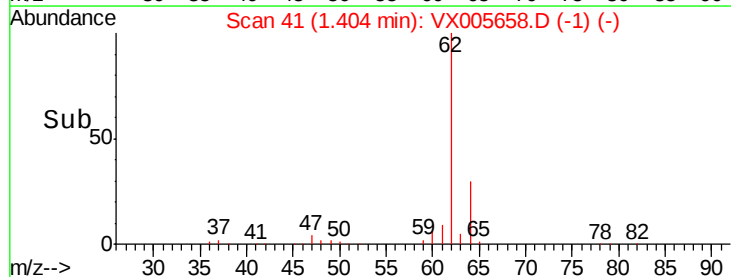
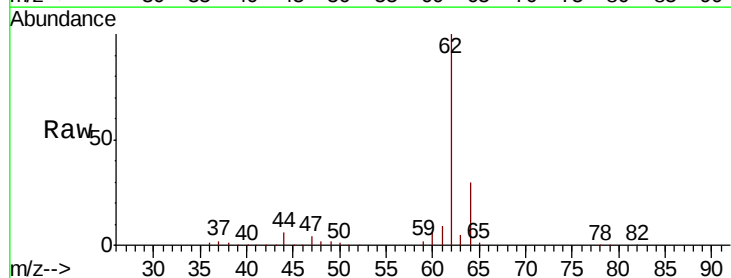
Acq: 29 Oct 2018 14:17

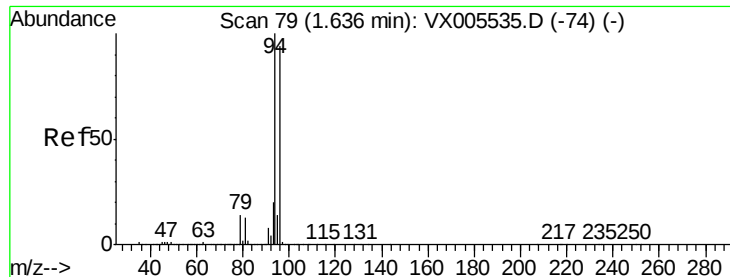
Tgt Ion: 62 Resp: 54068

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 18.699 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 94 Resp: 31344

Ion Ratio Lower Upper

94 100

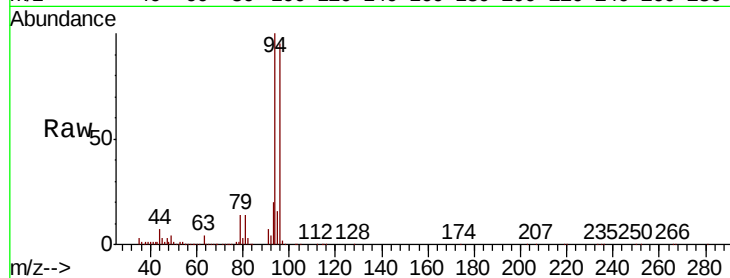
96 95.4 75.2 112.8

Manual Integrations

APPROVED

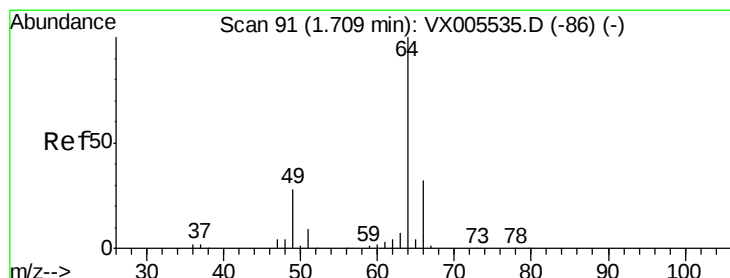
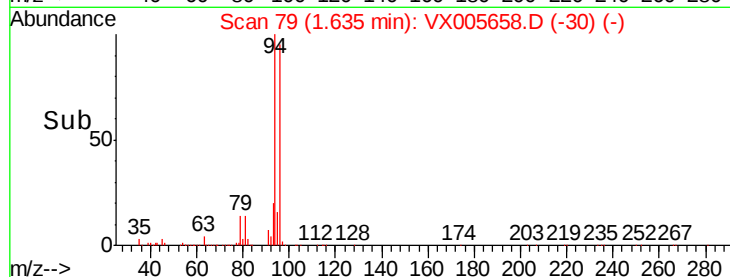
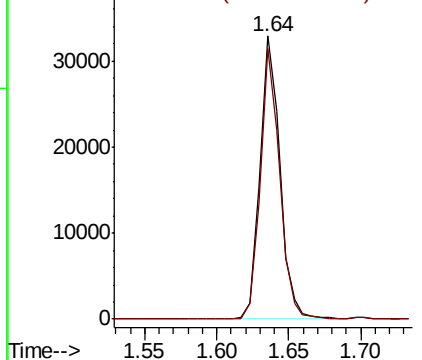
MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.829 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005658.D

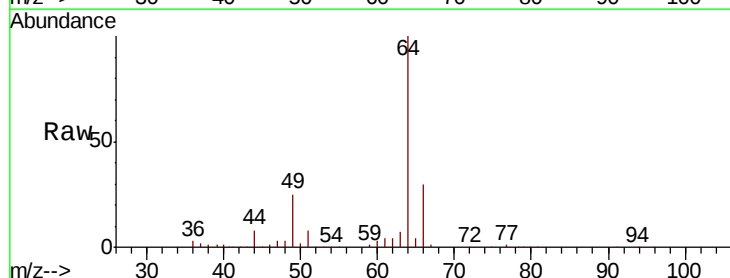
Acq: 29 Oct 2018 14:17

Tgt Ion: 64 Resp: 32404

Ion Ratio Lower Upper

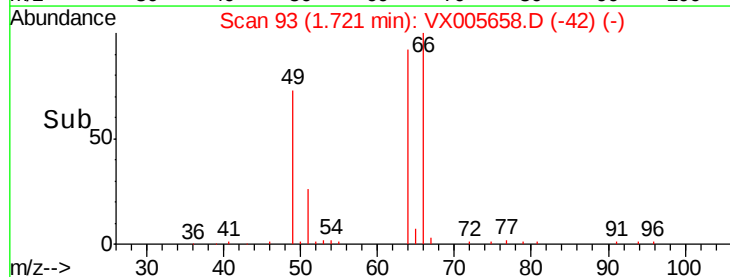
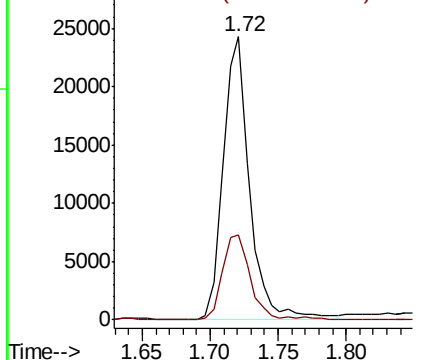
64 100

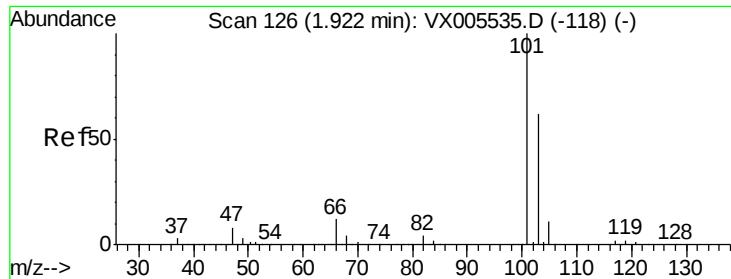
66 30.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

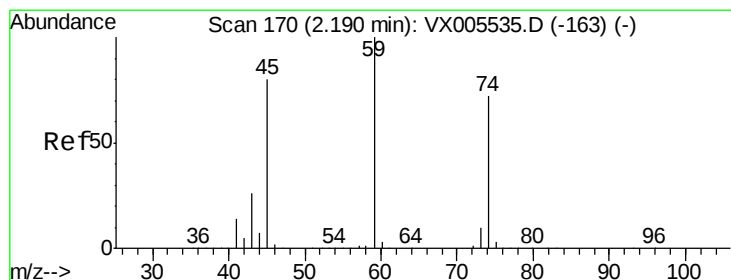
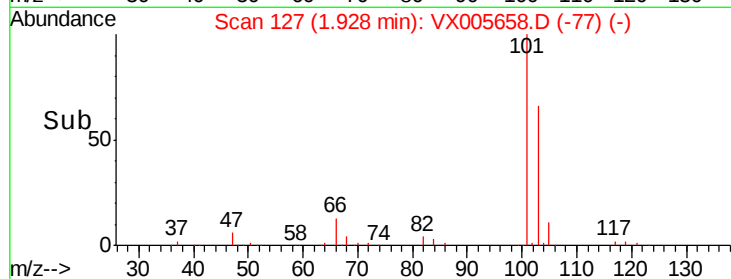
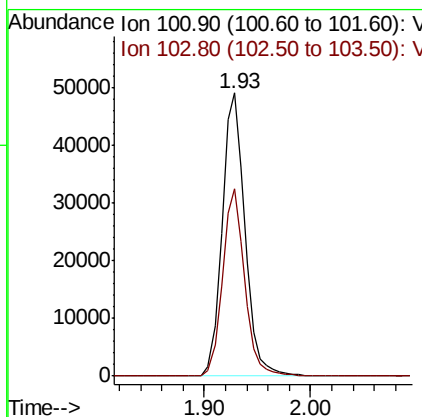
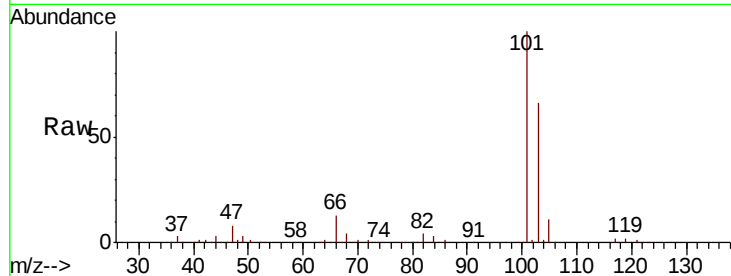
Trichlorofluoromethane
Concen: 19.567 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion:101 Resp: 73244
Ion Ratio Lower Upper
101 100
103 66.3 50.0 75.0

Manual Integrations
APPROVED

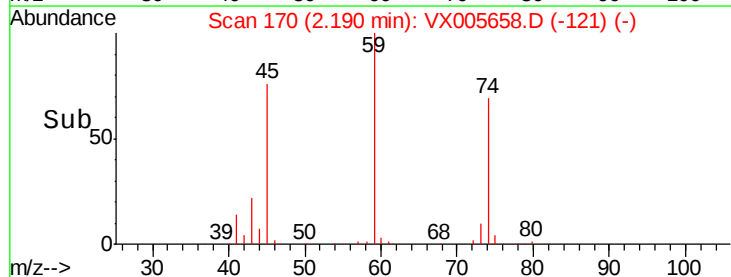
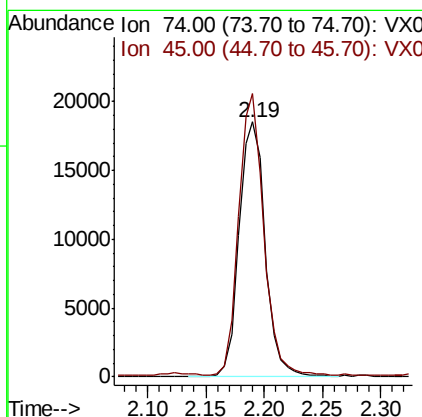
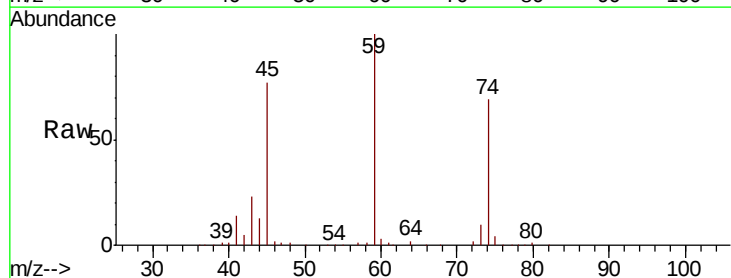
MMDadoda
10/30/2018 10:50:49 AM



#8

Diethyl Ether
Concen: 19.498 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion: 74 Resp: 29126
Ion Ratio Lower Upper
74 100
45 105.1 54.1 162.3





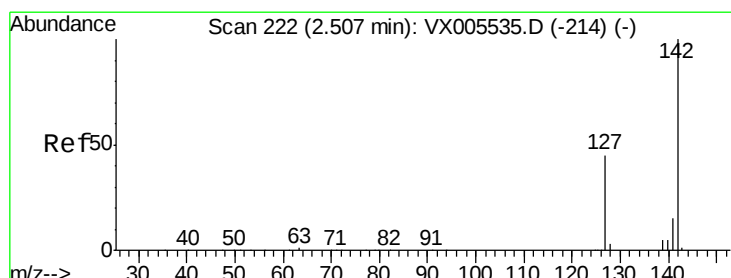
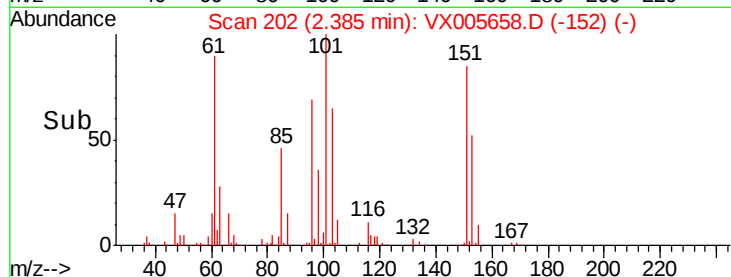
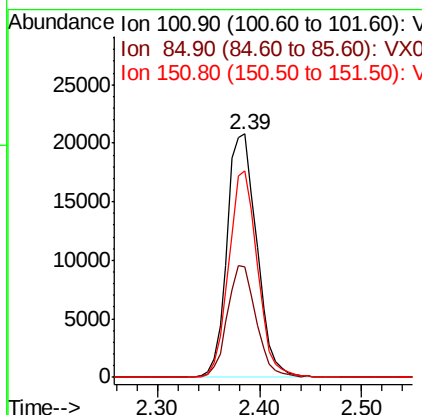
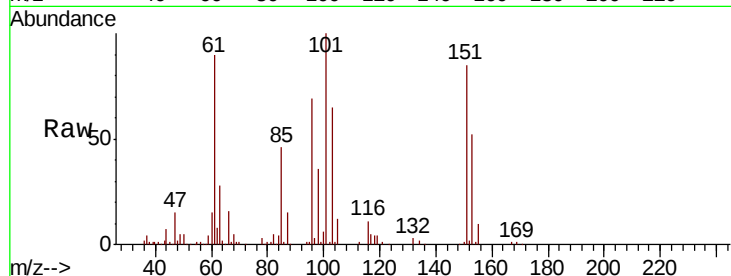
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.583 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.01 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	42059		
85	44.4	35.0	52.4	
151	81.5	66.2	99.2	

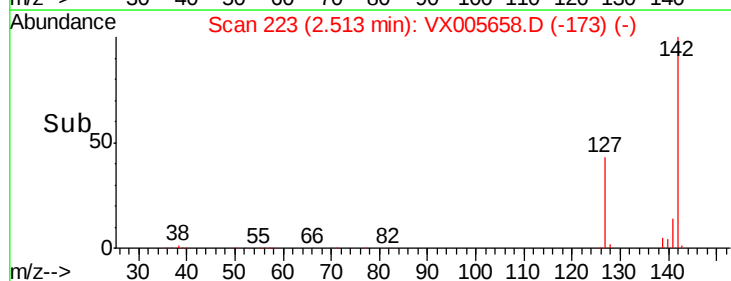
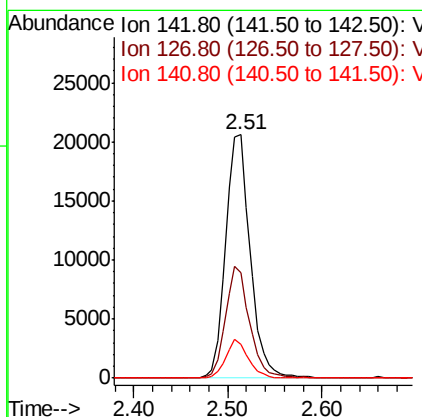
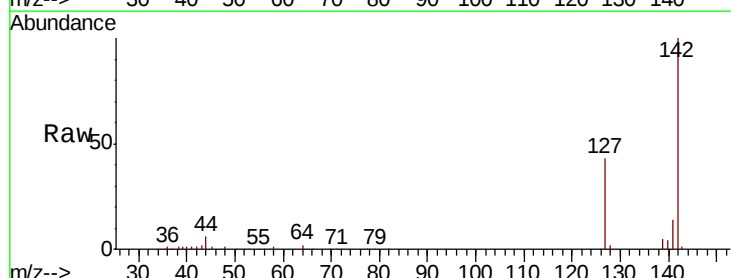
Manual Integrations
 APPROVED

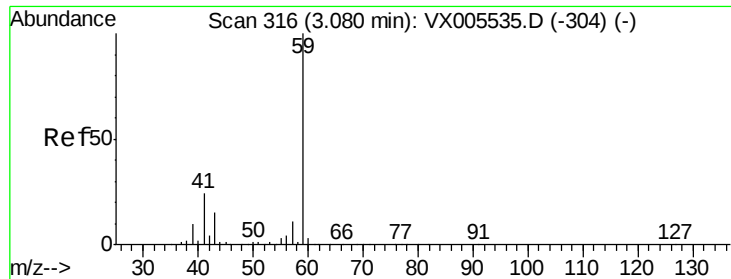
MMDadoda
 10/30/2018 10:50:49 AM



#10
 Methyl Iodide
 Concen: 18.496 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	37412		
127	44.8	36.0	54.0	
141	14.6	11.7	17.5	





#11

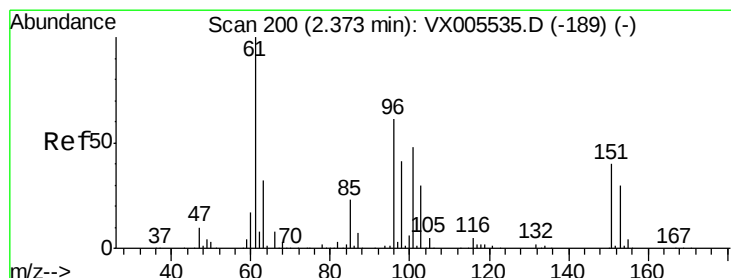
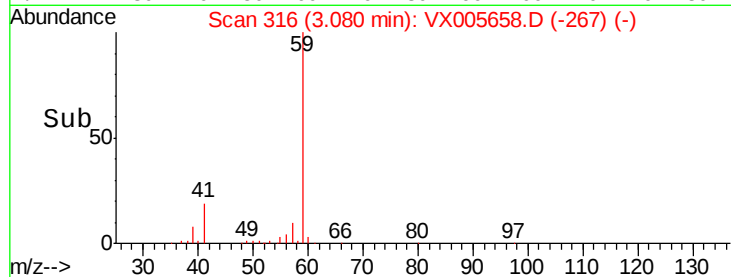
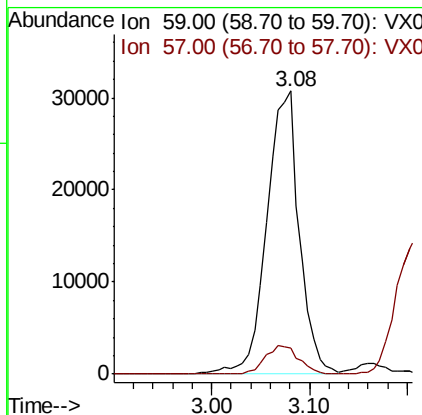
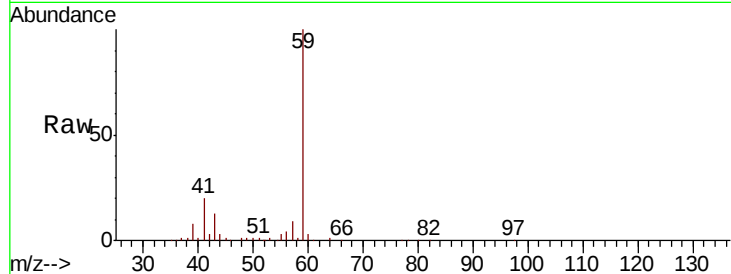
Tert butyl alcohol
Concen: 99.560 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion: 59 Resp: 71280
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

Manual Integrations
APPROVED

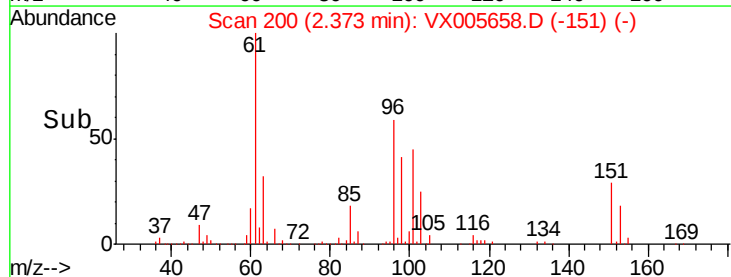
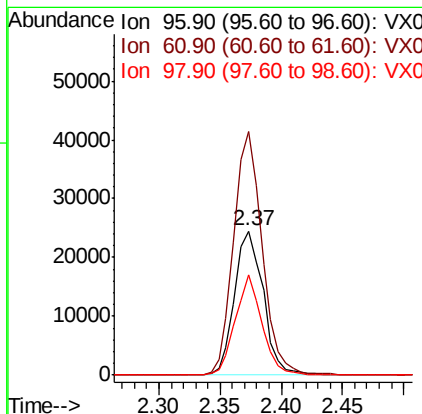
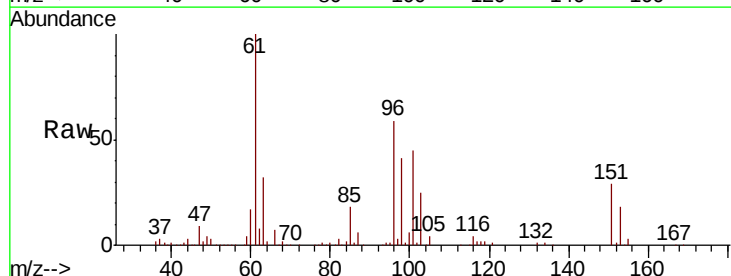
MMDadoda
10/30/2018 10:50:49 AM

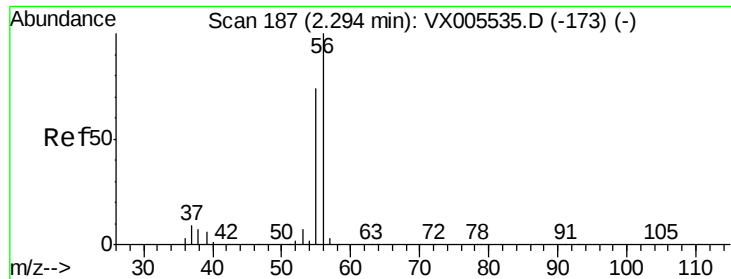


#12

1,1-Dichloroethene
Concen: 19.506 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion: 96 Resp: 39908
Ion Ratio Lower Upper
96 100
61 168.8 131.8 197.8
98 69.3 53.4 80.2





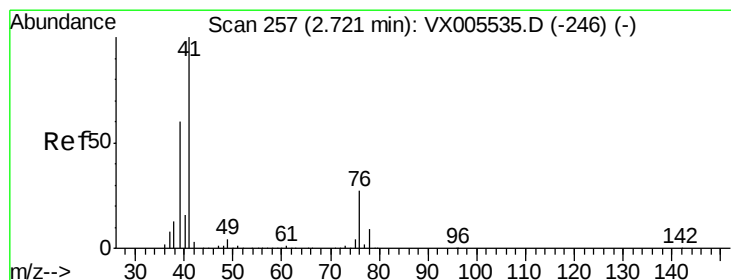
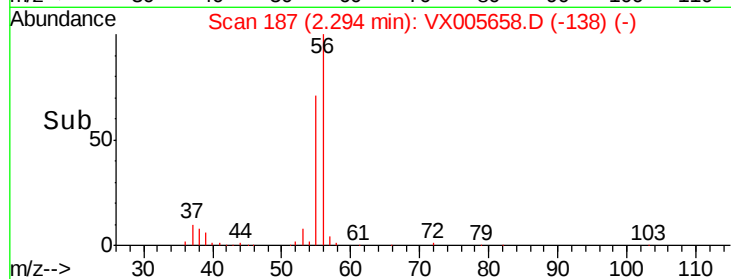
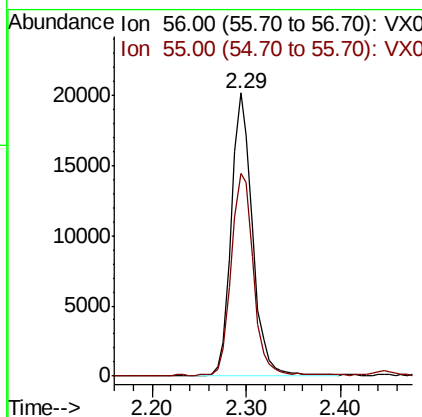
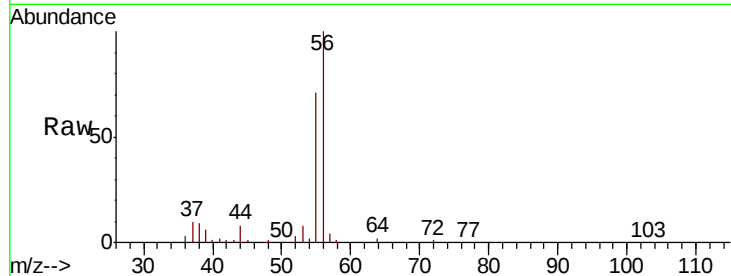
#13
Acrolein
Concen: 86.654 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.5	57.3	85.9

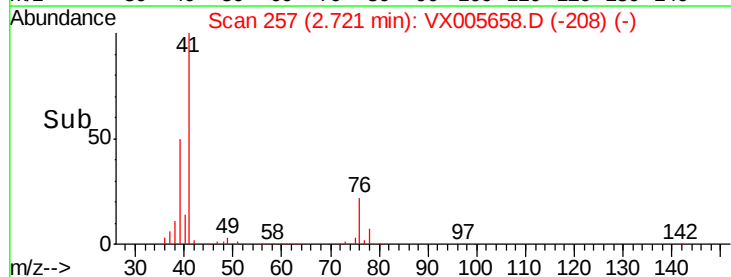
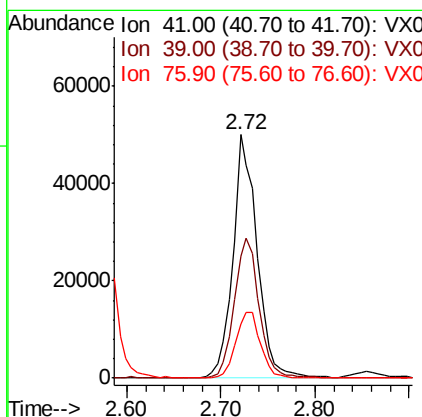
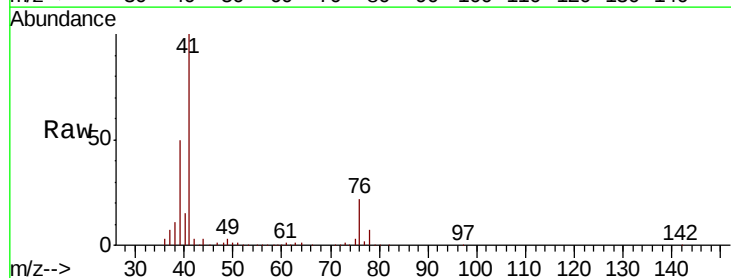
Manual Integrations
APPROVED

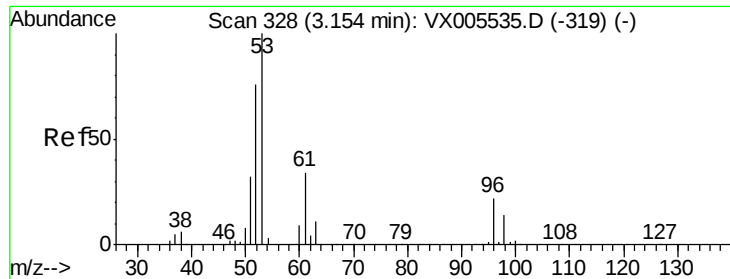
MMDadoda
10/30/2018 10:50:49 AM



#14
Allyl chloride
Concen: 19.358 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.0	48.2	72.4
76	28.3	21.9	32.9





#15

Acrylonitrile

Concen: 92.914 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

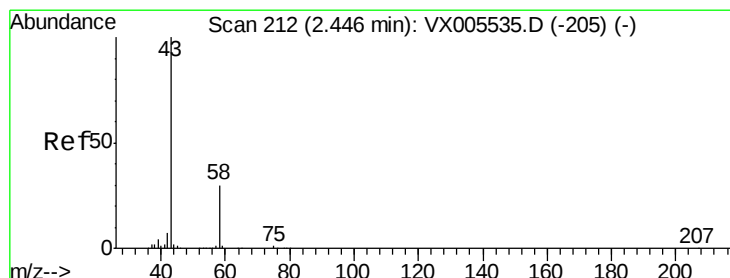
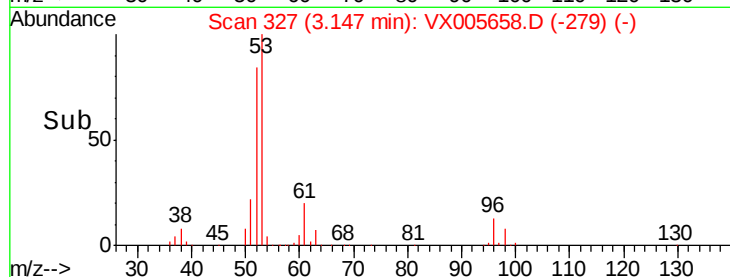
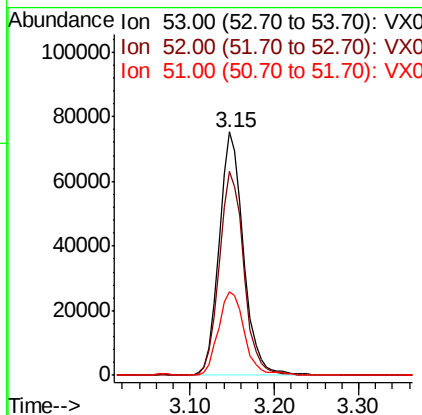
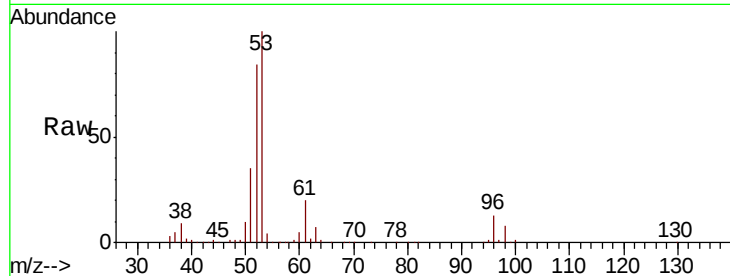
ClientSampleId :

VX1029WBSD01

Tot Ion:	53	Resp:	149166
Ion Ratio	Lower	Upper	
53	100		
52	85.0	66.6	99.8
51	36.8	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#16

Acetone

Concen: 106.504 ug/l

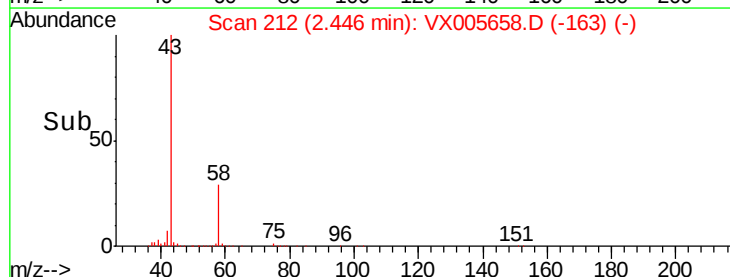
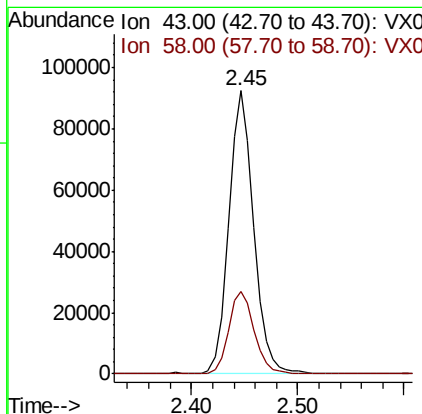
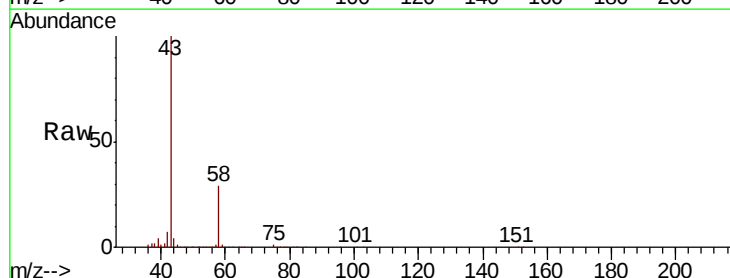
RT: 2.45 min Scan# 212

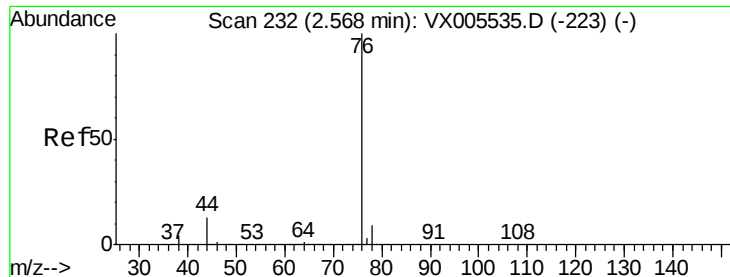
Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	43	Resp:	149731
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.8	35.6





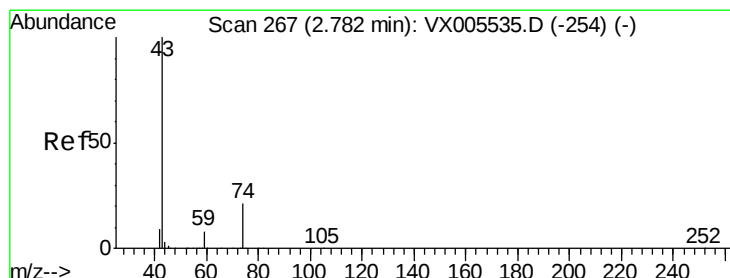
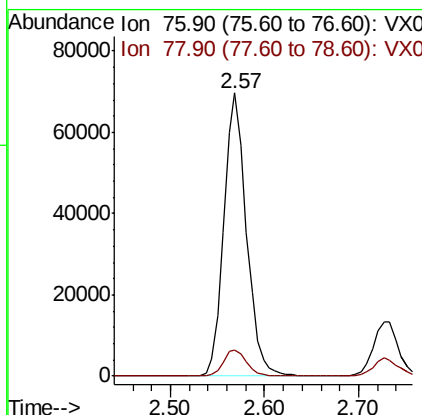
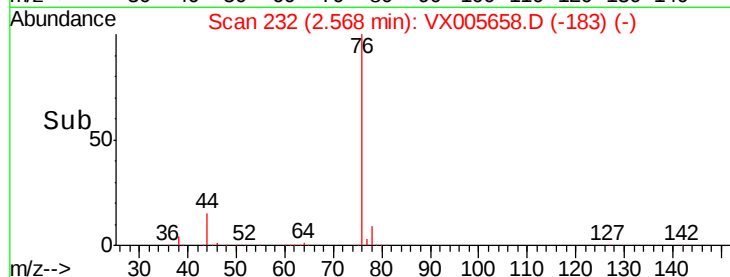
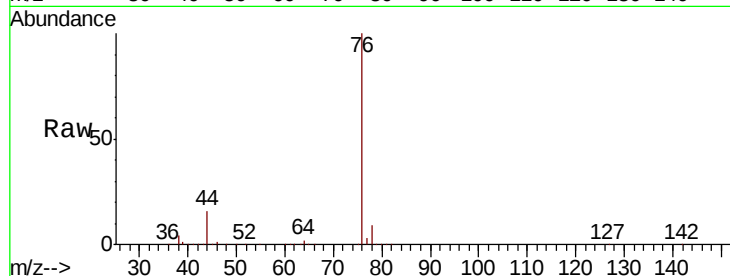
#17
Carbon Disulfide
Concen: 18.595 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

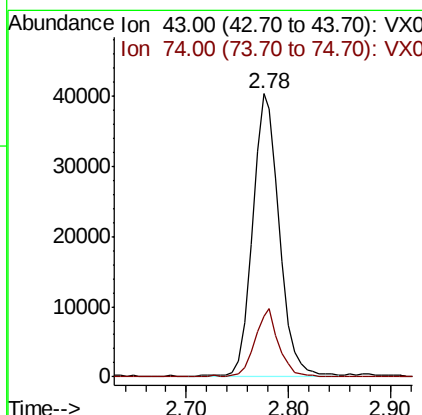
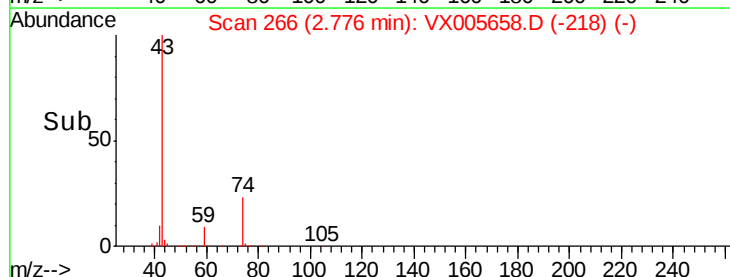
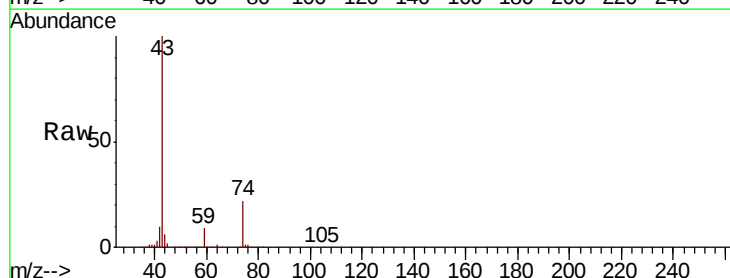
Manual Integrations
APPROVED

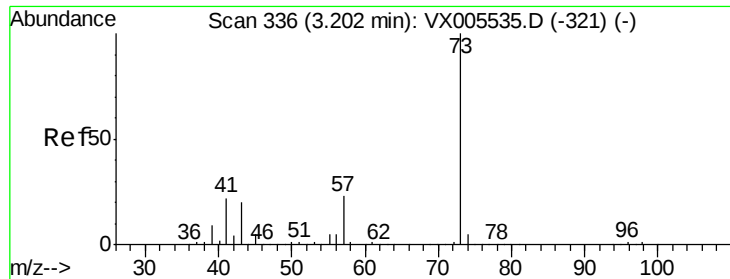
MMDadoda
10/30/2018 10:50:49 AM



#18
Methyl Acetate
Concen: 20.184 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.8	25.2





#19

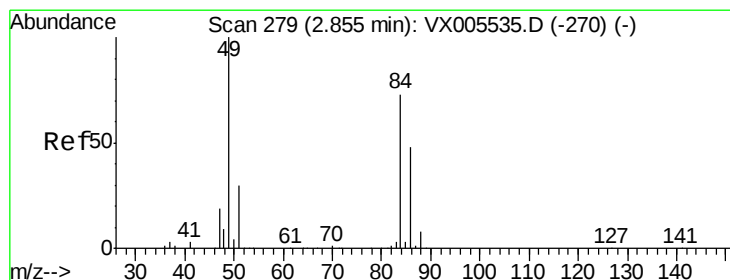
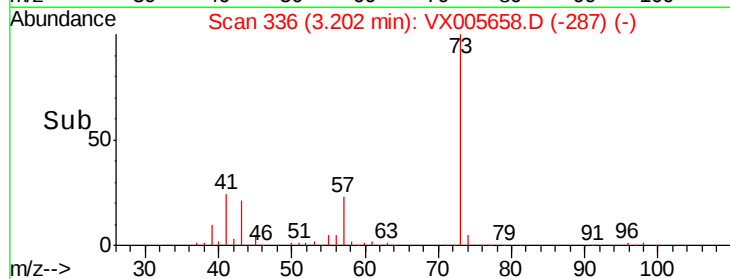
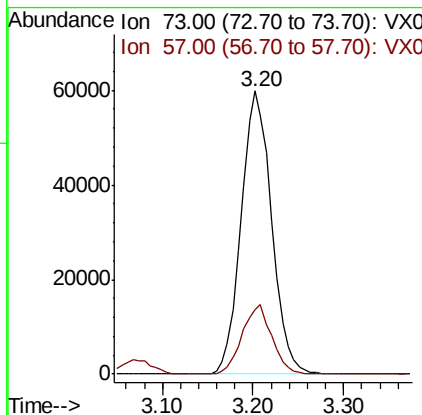
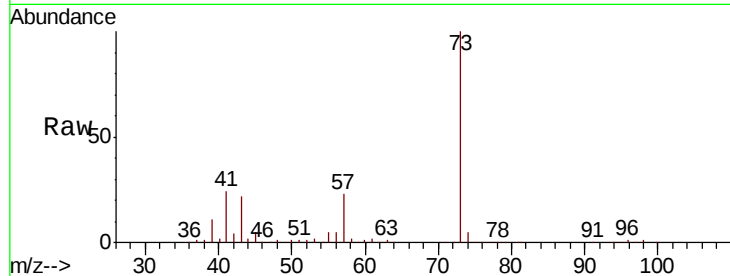
Methyl tert-butyl Ether
 Concen: 19.084 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.8	28.2

Manual Integrations
 APPROVED

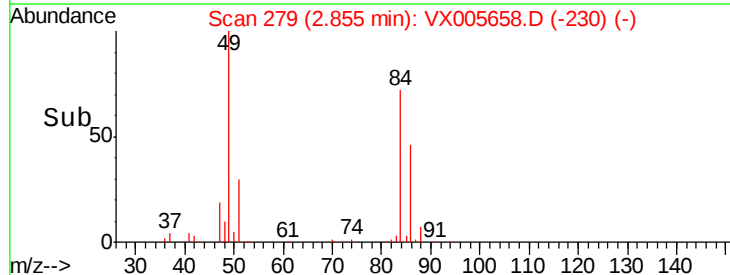
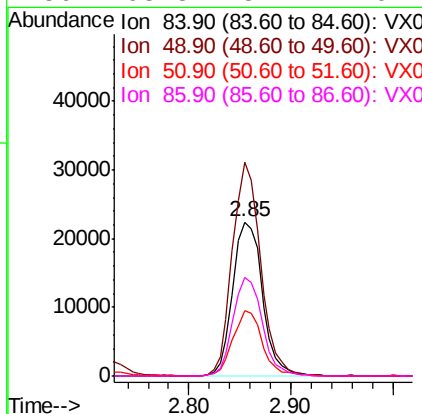
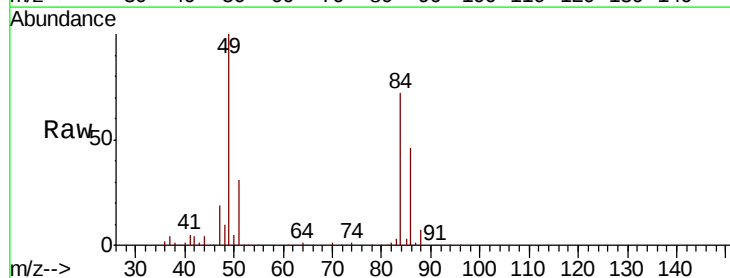
MMDadoda
 10/30/2018 10:50:49 AM

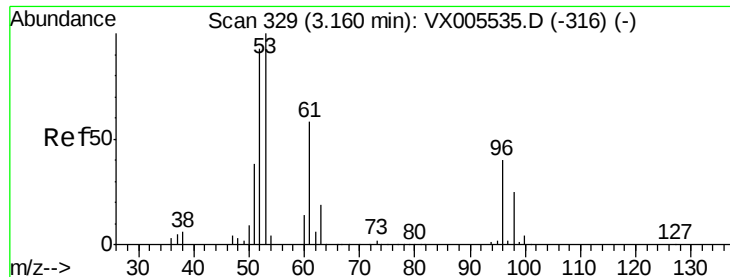


#20

Methylene Chloride
 Concen: 19.190 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.9	109.5	164.3
51	42.2	33.3	49.9
86	63.8	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 18.205 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 96 Resp: 40668

Ion Ratio Lower Upper

96 100

61 146.6 115.6 173.4

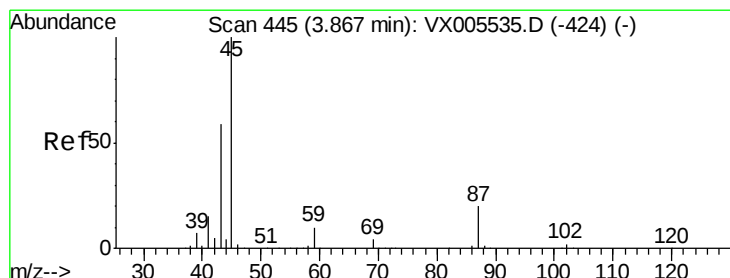
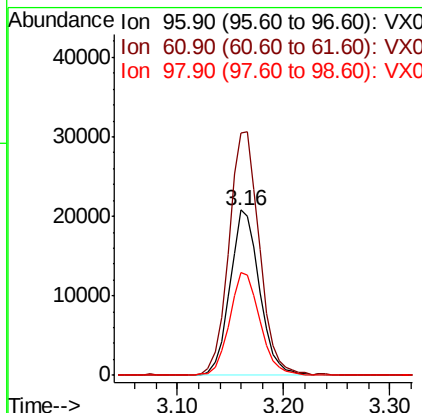
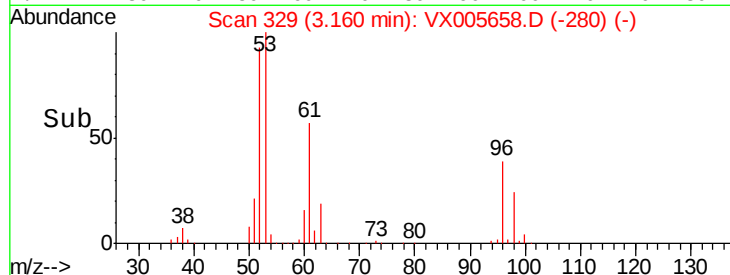
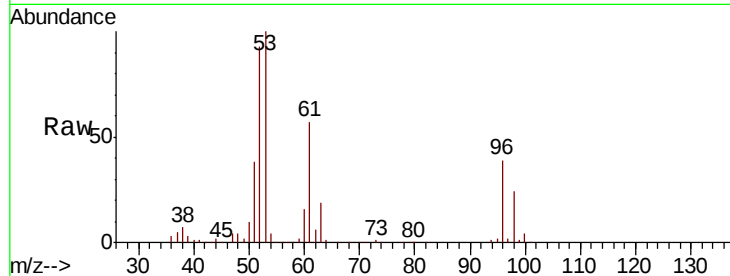
98 62.2 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



#22

Diisopropyl ether

Concen: 19.167 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion: 45 Resp: 152832

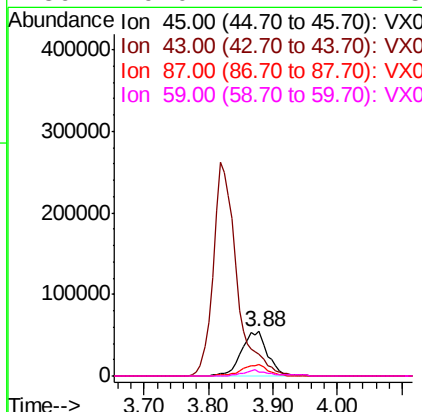
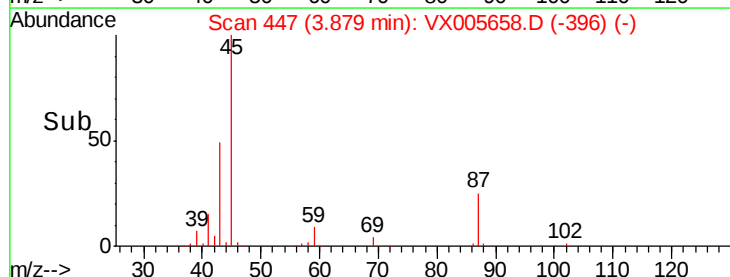
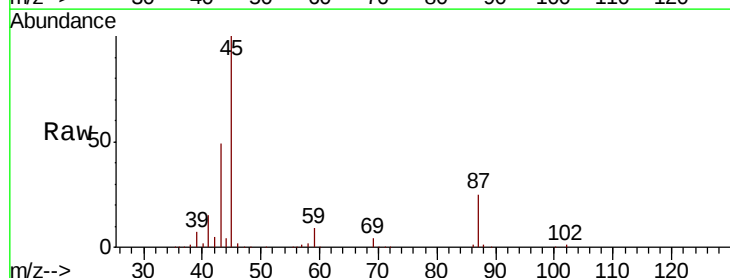
Ion Ratio Lower Upper

45 100

43 48.1 47.4 71.2

87 24.6 15.9 23.9#

59 9.0 7.7 11.5





#23

Vinyl Acetate

Concen: 95.746 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 43 Resp: 672381

Ion Ratio Lower Upper

43 100

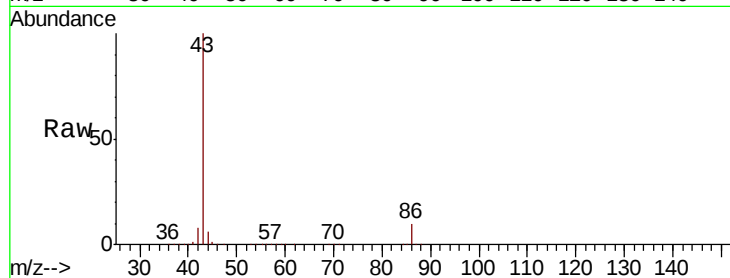
86 9.5 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

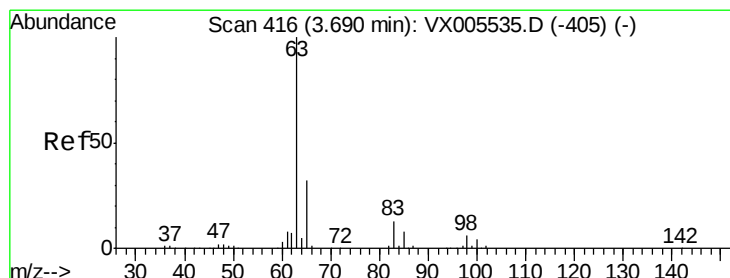
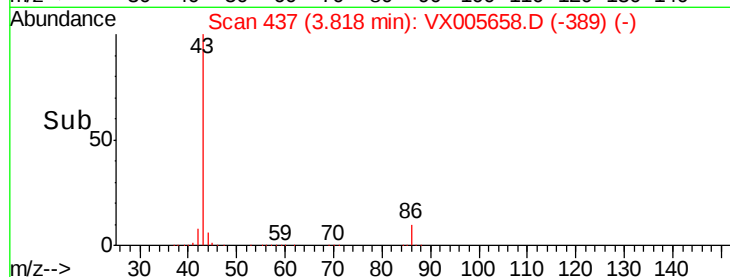
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.538 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

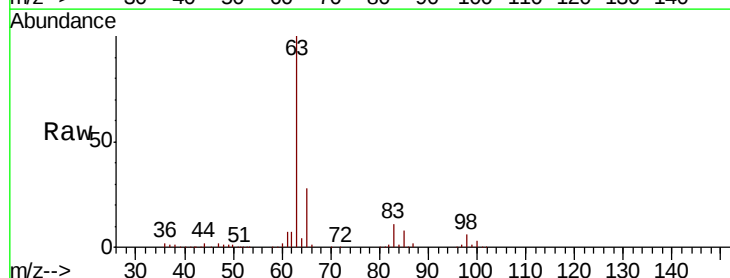
Tgt Ion: 63 Resp: 84703

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

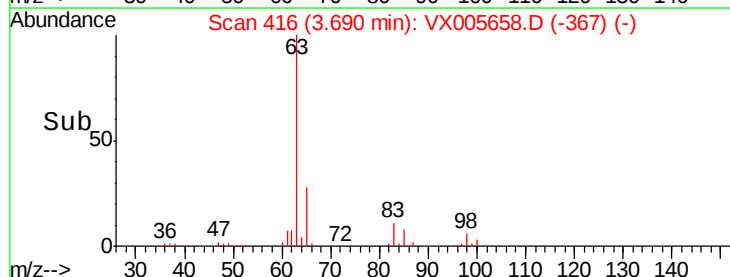
20000

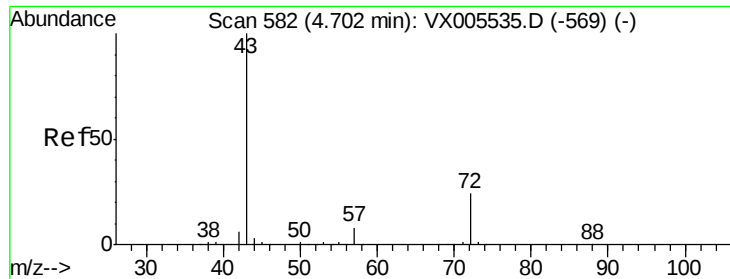
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 100.088 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 43 Resp: 214274

Ion Ratio Lower Upper

43 100

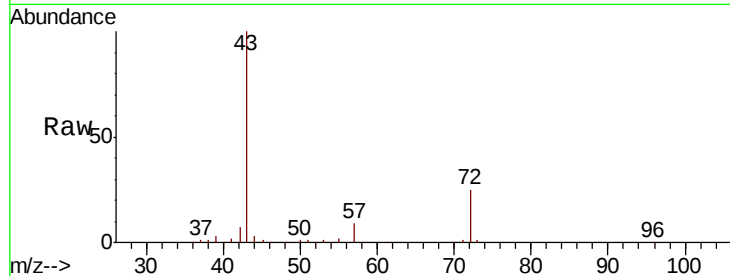
72 24.5 19.2 28.8

Manual Integrations

APPROVED

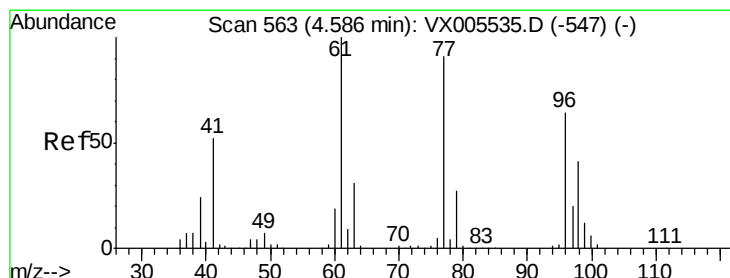
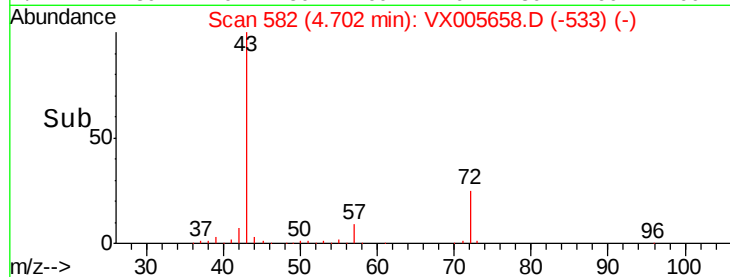
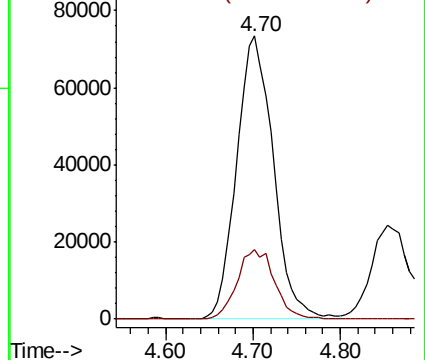
MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.636 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005658.D

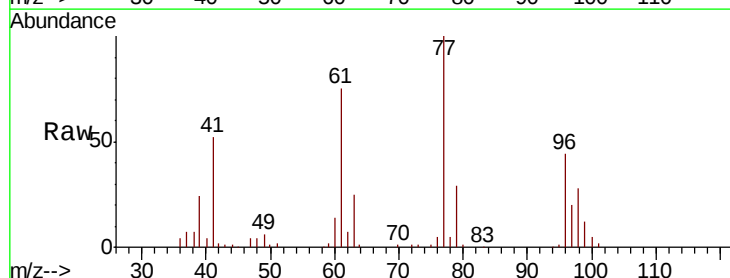
Acq: 29 Oct 2018 14:17

Tgt Ion: 77 Resp: 65722

Ion Ratio Lower Upper

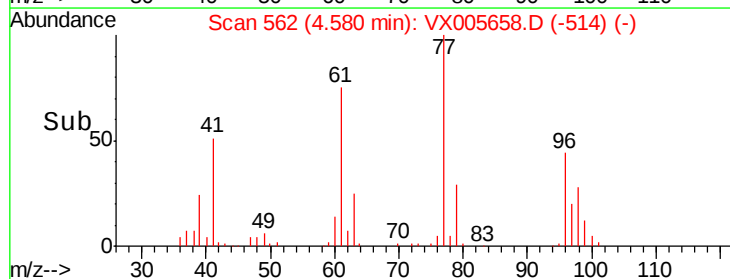
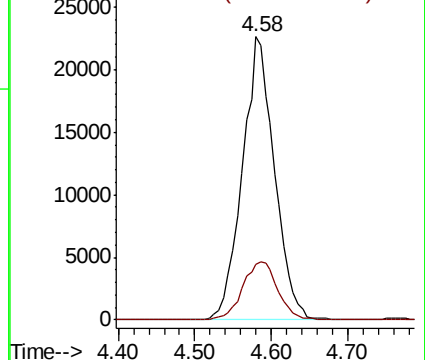
77 100

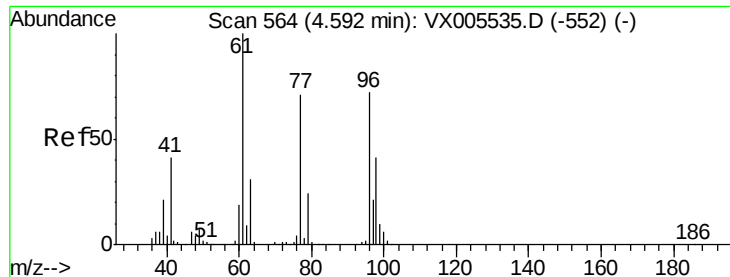
97 22.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

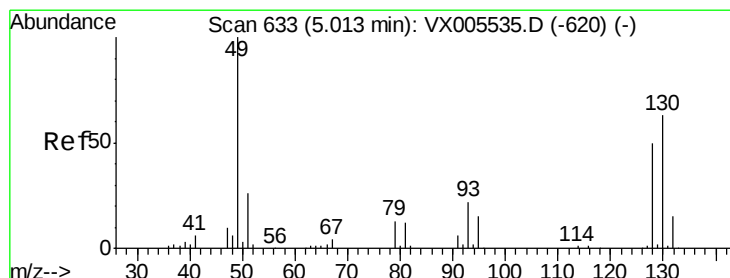
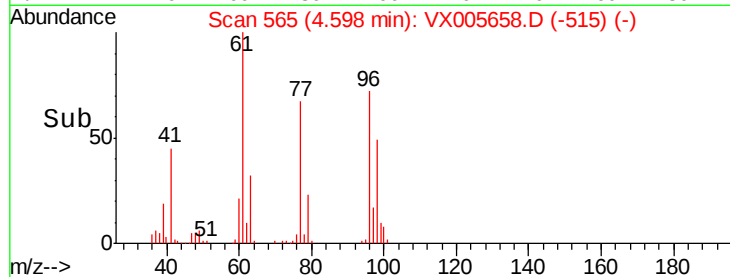
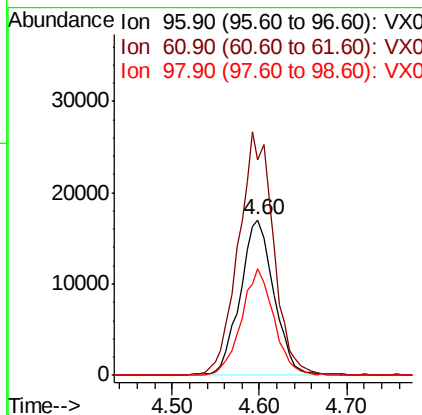
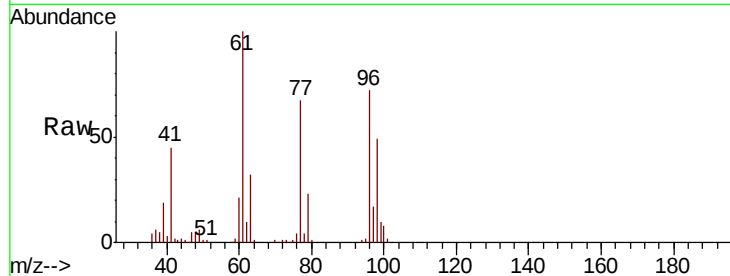
cis-1,2-Dichloroethene
 Concen: 19.012 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45786		
61	162.1	0.0	304.6	
98	65.7	0.0	127.4	

Manual Integrations
 APPROVED

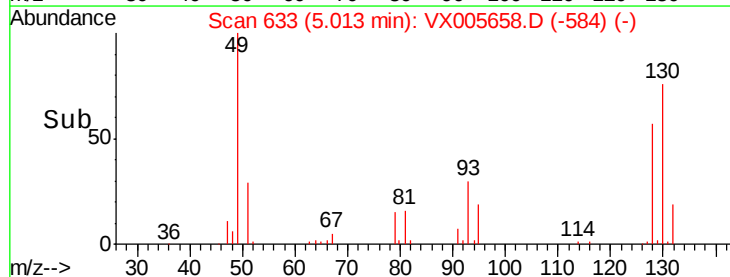
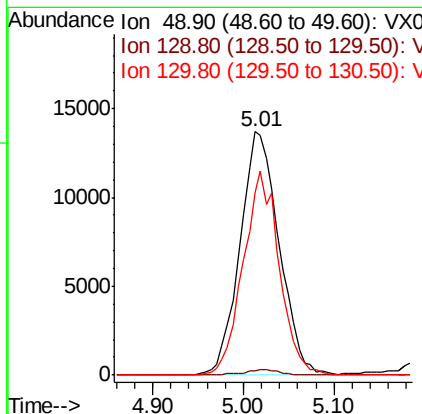
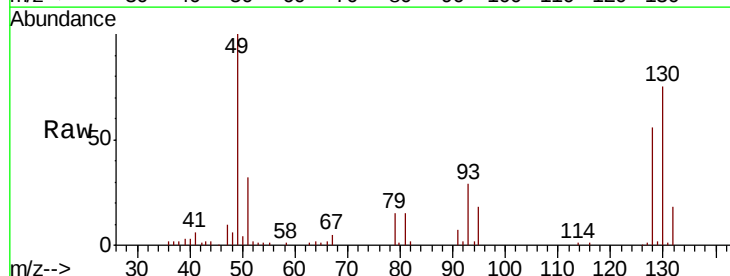
MMDadoda
 10/30/2018 10:50:49 AM

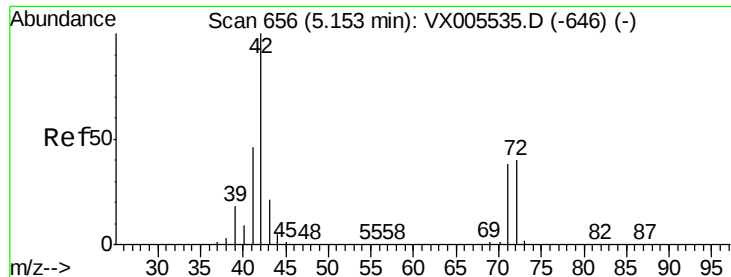


#28

Bromochloromethane
 Concen: 19.556 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41004		
129	2.1	0.0	4.0	
130	77.0	58.9	88.3	





#29

Tetrahydrofuran

Concen: 102.603 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

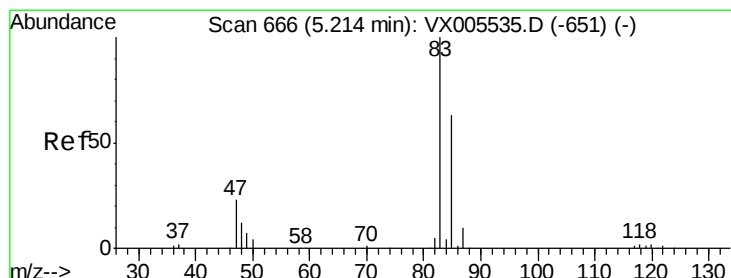
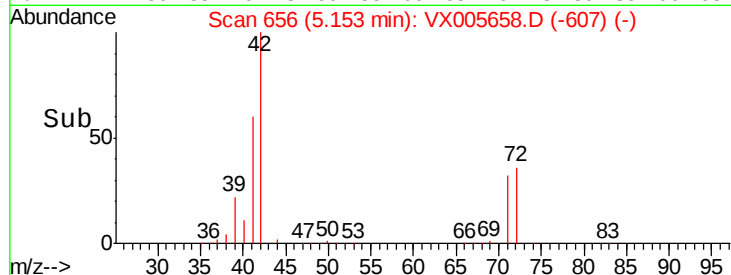
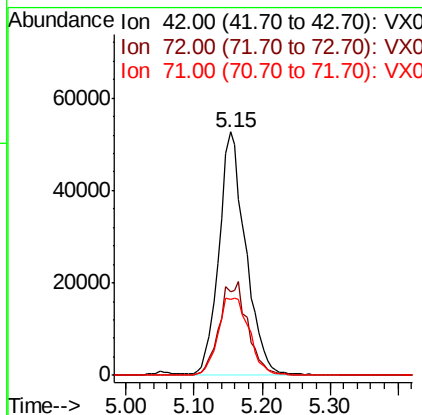
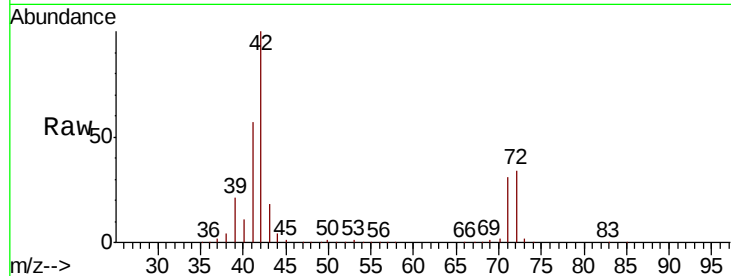
ClientSampleId :

VX1029WBSD01

Tot Ion:	42	Resp:	142949
Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.0	48.0
71	37.3	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#30

Chloroform

Concen: 19.491 ug/l

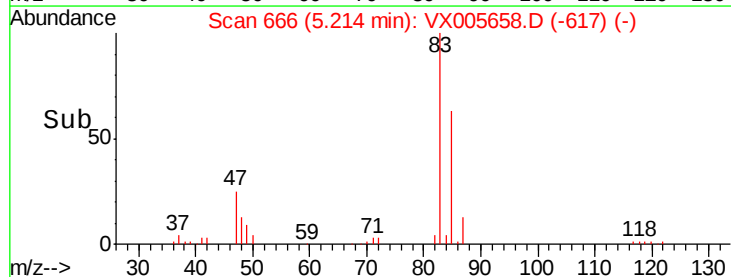
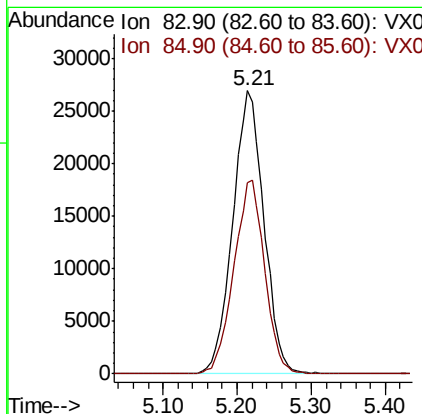
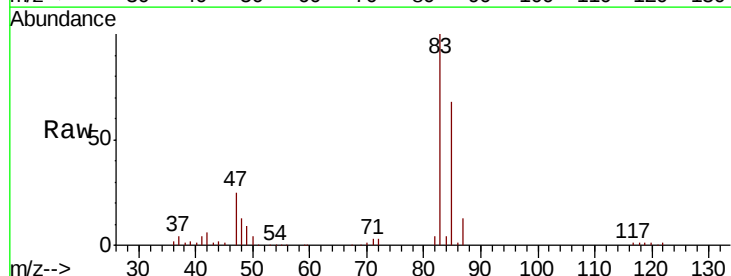
RT: 5.21 min Scan# 666

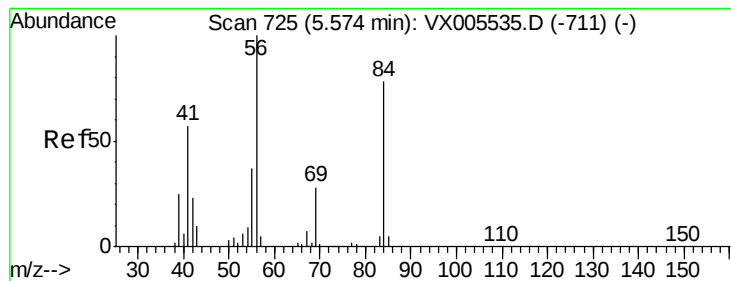
Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	83	Resp:	79039
Ion	Ratio	Lower	Upper
83	100		
85	67.8	50.6	76.0





#31

Cyclohexane

Concen: 19.544 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

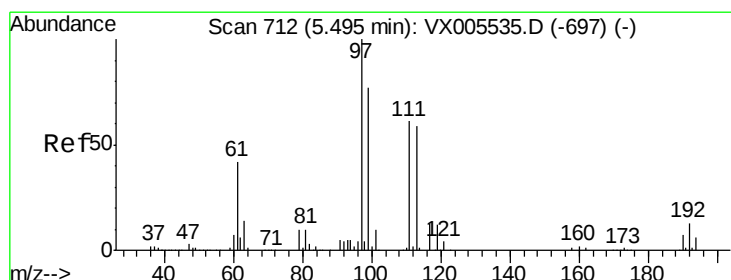
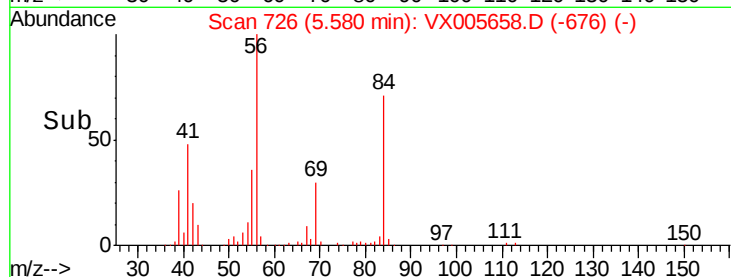
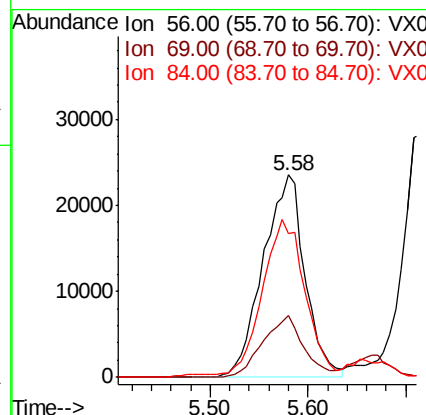
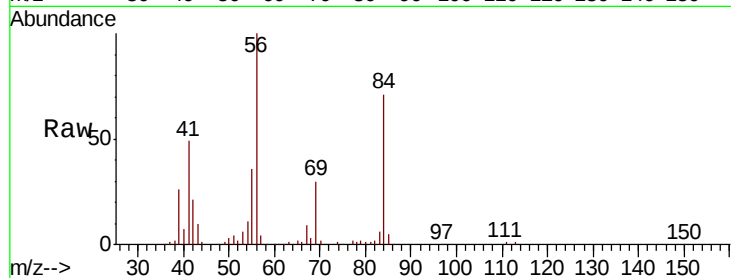
ClientSampleId :

VX1029WBSD01

Tot Ion:	56	Resp:	70102
Ion Ratio	Lower	Upper	
56	100		
69	30.4	22.6	34.0
84	69.7	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#32

1,1,1-Trichloroethane

Concen: 19.624 ug/l

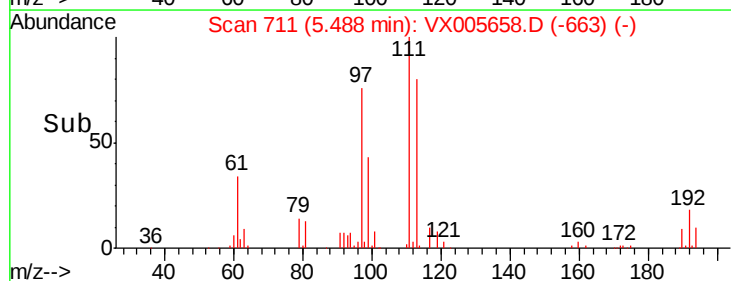
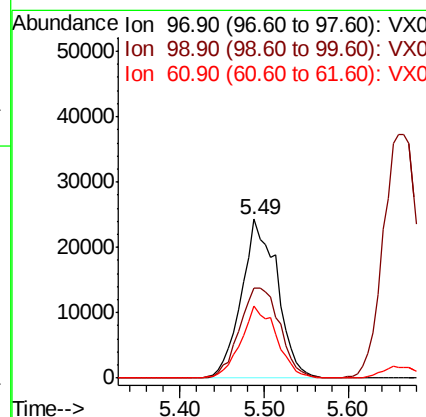
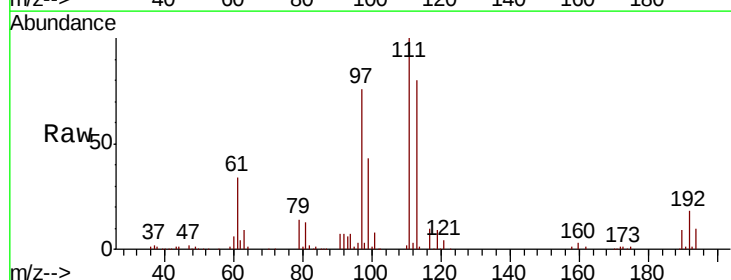
RT: 5.49 min Scan# 711

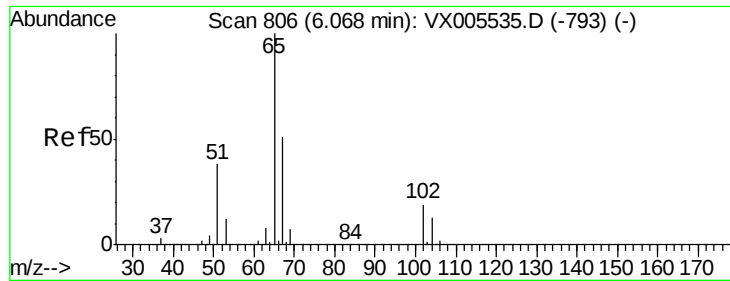
Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	97	Resp:	70238
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.3	78.5
61	45.1	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 47.180 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tot Ion: 65 Resp: 125526

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.0

Instrument :

MSVOA_X

ClientSampleId :

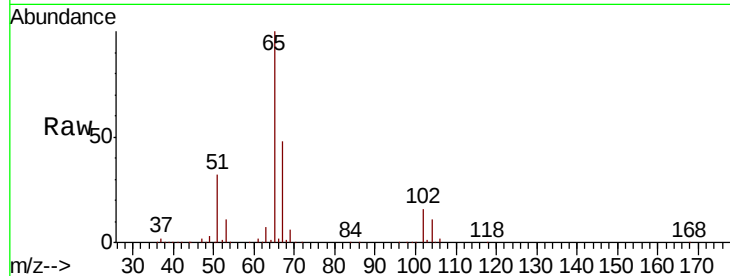
VX1029WBSD01

Manual Integrations

APPROVED

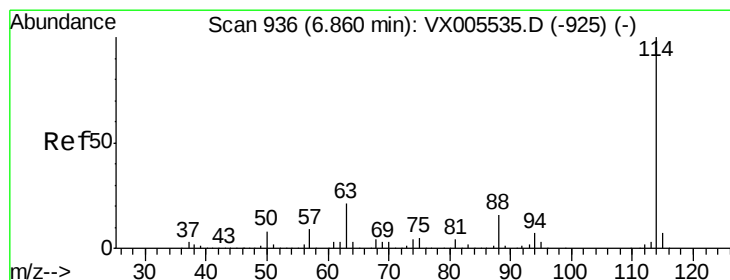
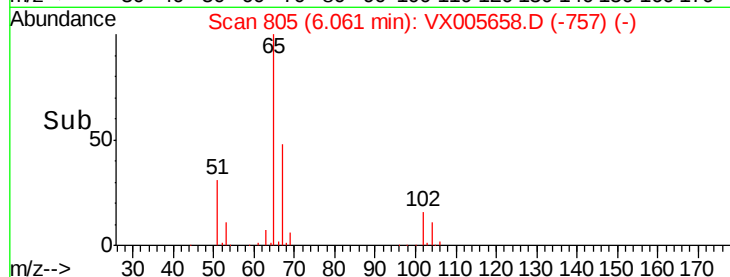
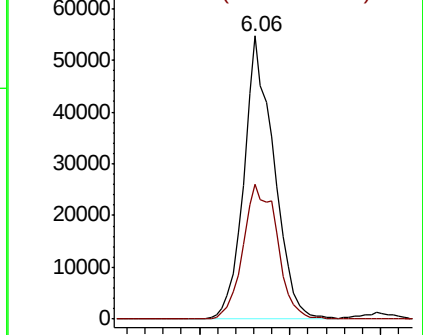
MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

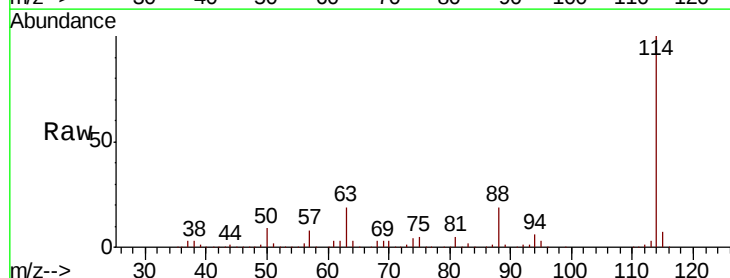
Tgt Ion:114 Resp: 318651

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

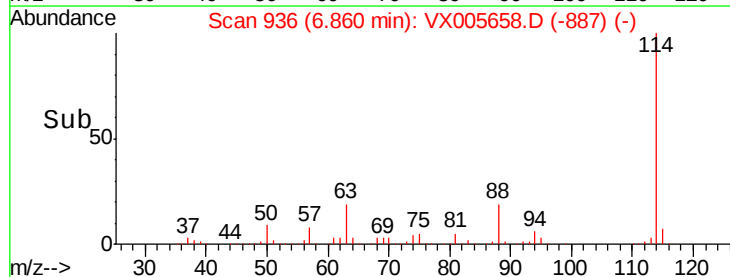
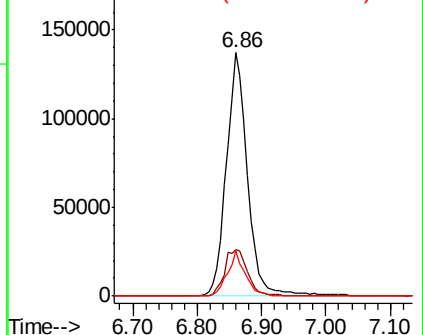
88 18.6 0.0 31.2

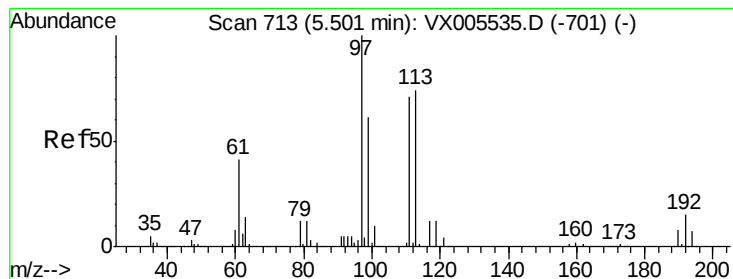


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.457 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

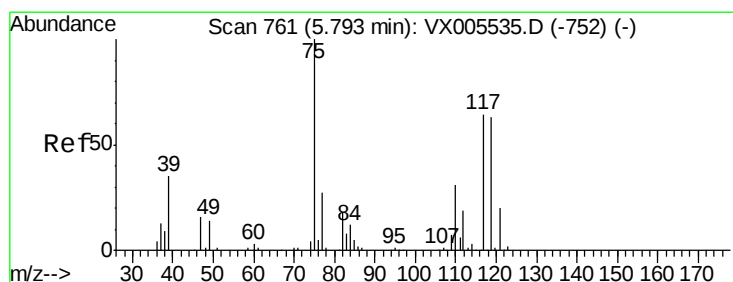
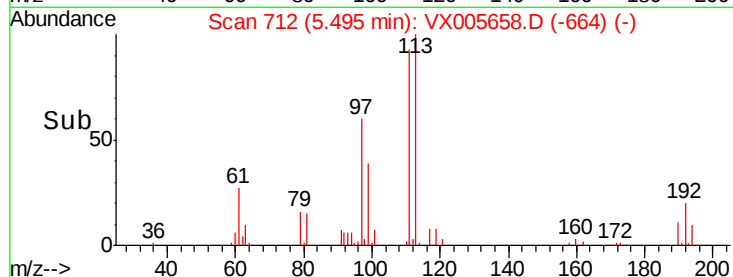
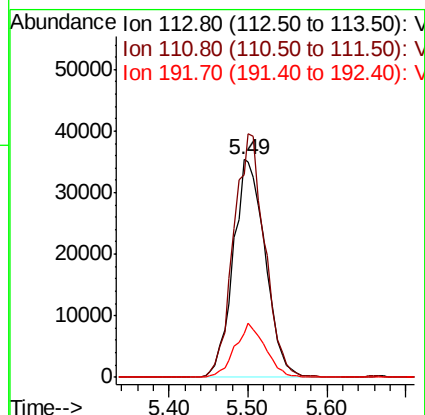
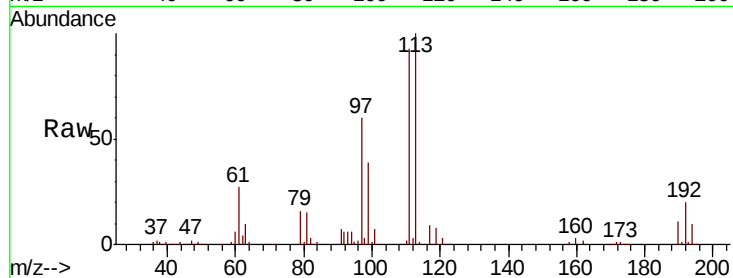
ClientSampleId :

VX1029WBSD01

Tot Ion:	113	Resp:	100237
Ion Ratio	Lower	Upper	
113	100		
111	108.4	82.3	123.5
192	23.3	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#36

1,1-Dichloropropene

Concen: 18.594 ug/l

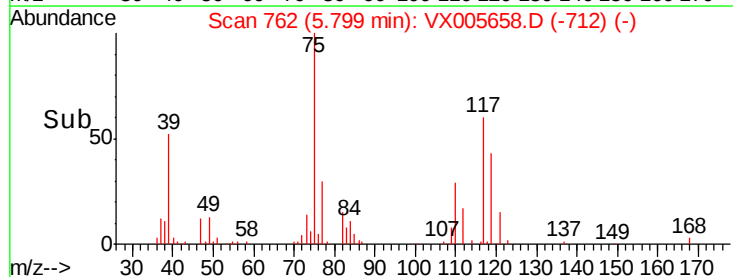
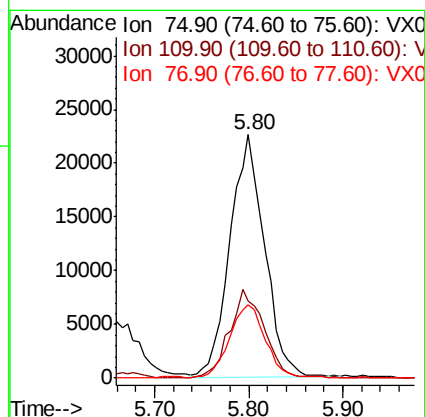
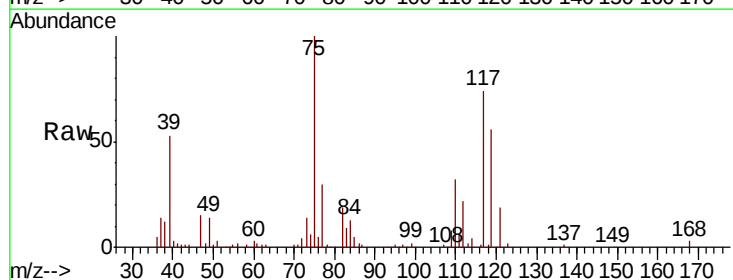
RT: 5.80 min Scan# 762

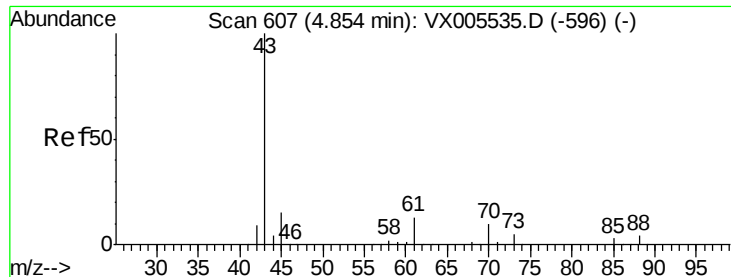
Delta R.T. 0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	75	Resp:	57501
Ion Ratio	Lower	Upper	
75	100		
110	37.3	17.4	52.2
77	31.0	25.8	38.6





#37

Ethyl Acetate

Concen: 18.712 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

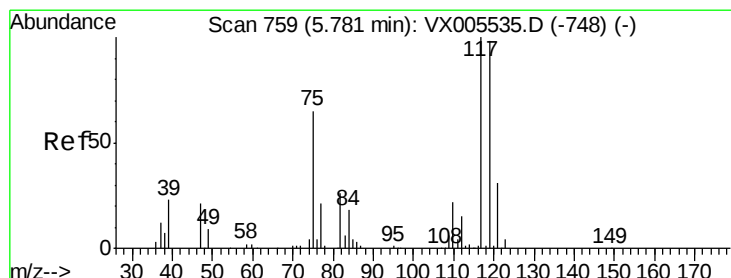
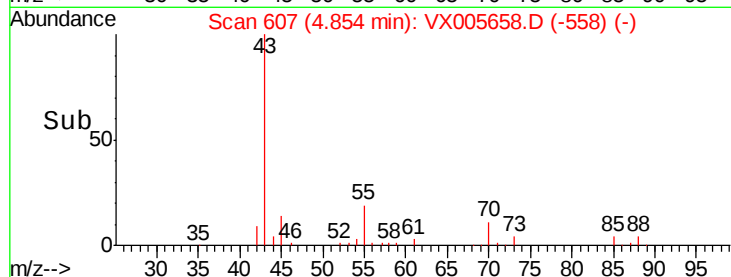
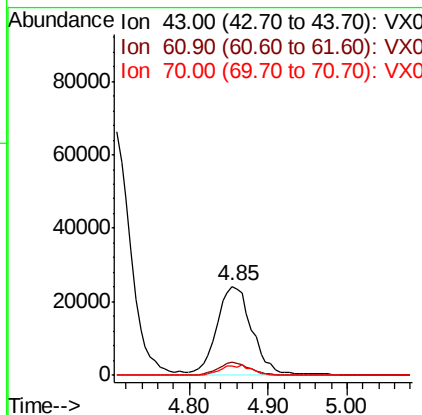
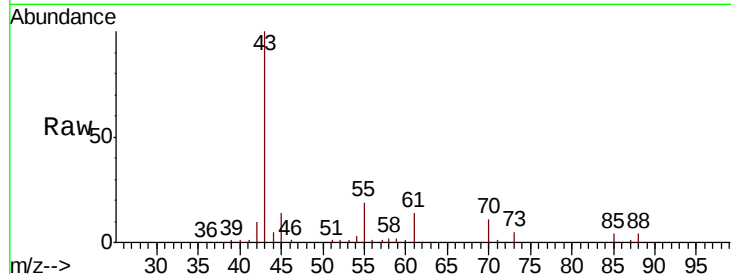
ClientSampleId :

VX1029WBSD01

Tot Ion:	43	Resp:	73838
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	10.5	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#38

Carbon Tetrachloride

Concen: 19.297 ug/l

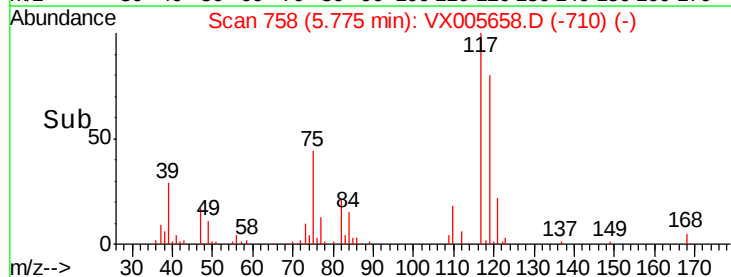
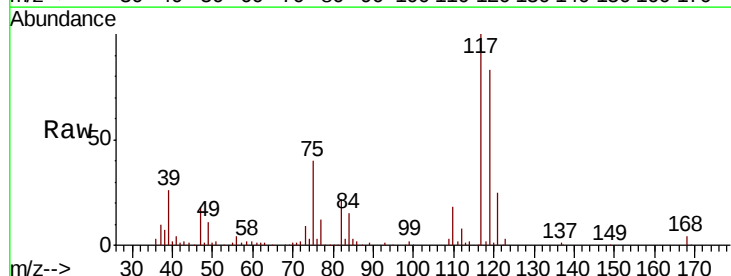
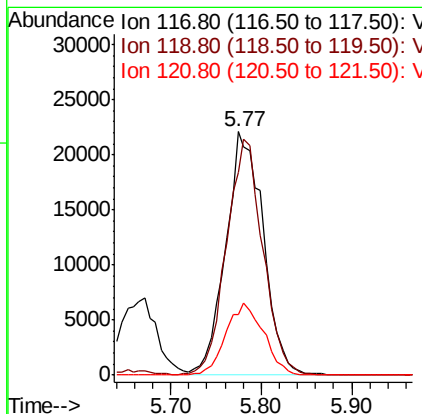
RT: 5.77 min Scan# 758

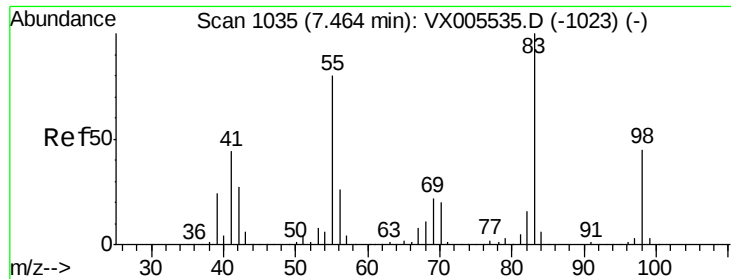
Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	117	Resp:	62850
Ion	Ratio	Lower	Upper
117	100		
119	83.4	78.1	117.1
121	24.8	24.6	36.8





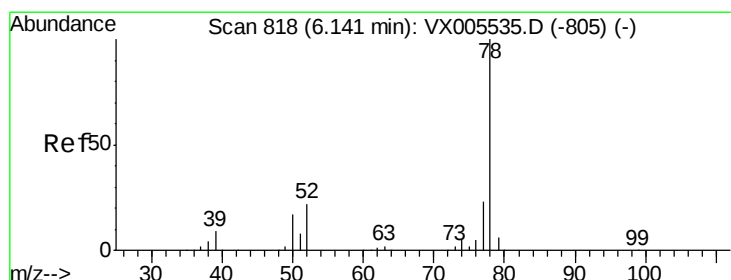
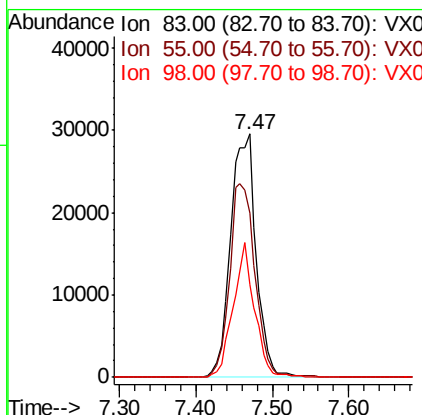
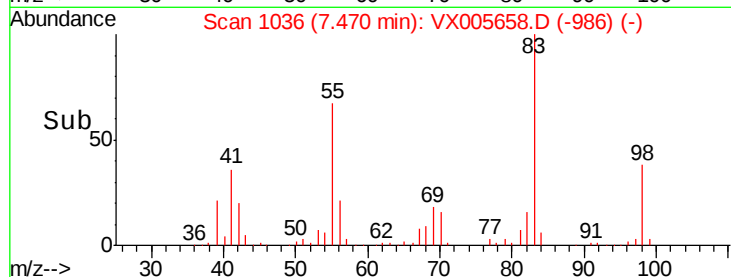
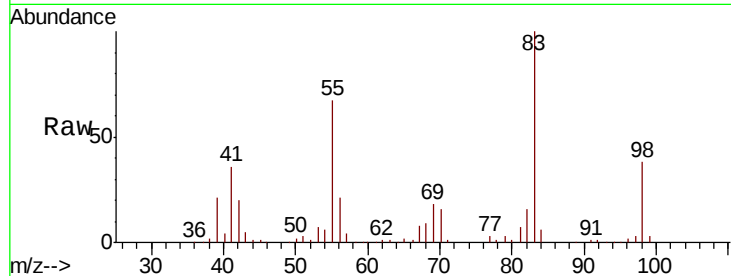
#39
Methvlcvclohexane
Concen: 20.034 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	63.7	95.5
98	38.0	36.2	54.2

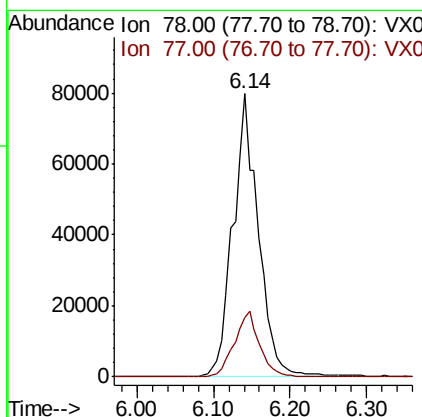
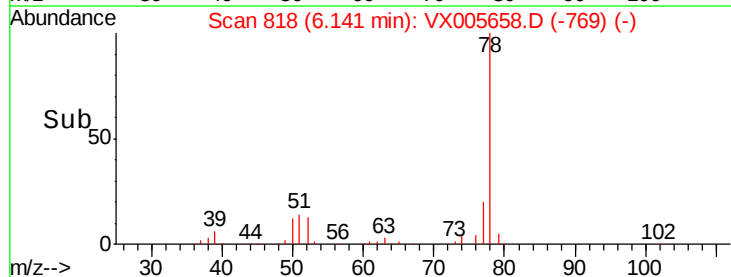
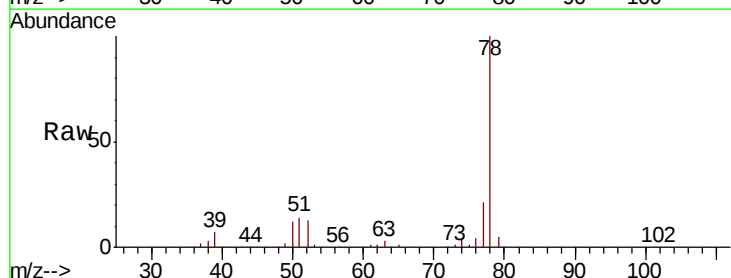
Manual Integrations
APPROVED

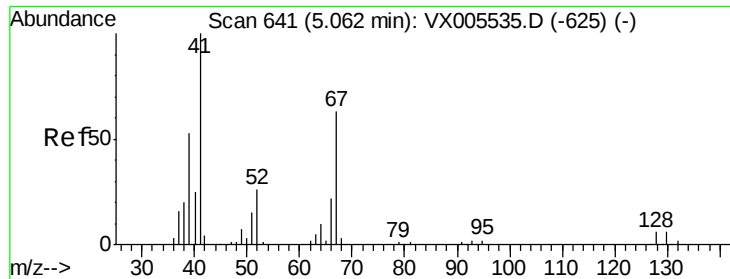
MMDadoda
10/30/2018 10:50:49 AM



#40
Benzene
Concen: 20.597 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.4	27.6





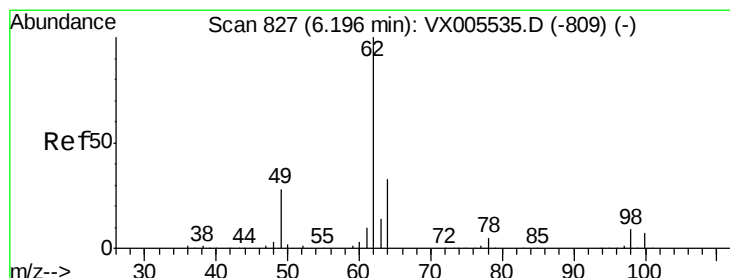
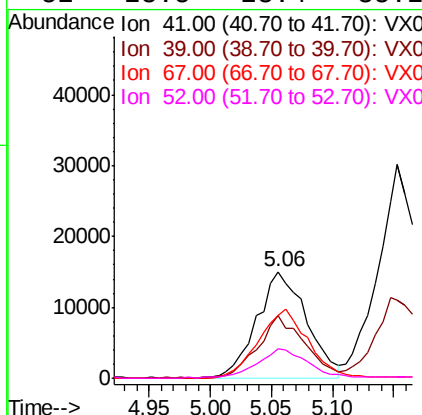
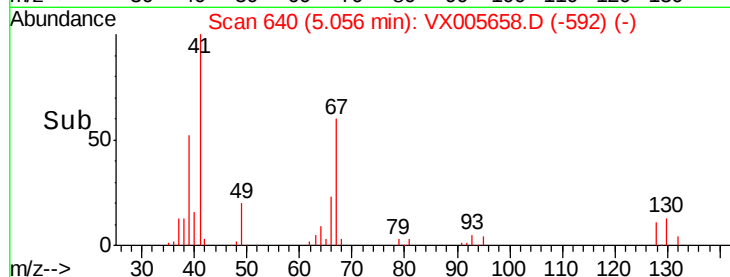
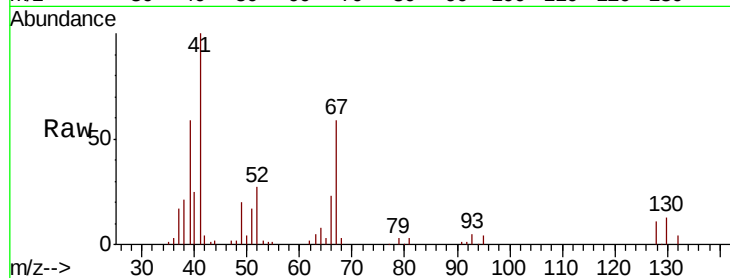
#41
Methacrylonitrile
Concen: 19.372 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion:	41	Resp:	42582
Ion Ratio	Lower	Upper	
41	100		
39	54.4	42.2	63.2
67	65.4	53.4	80.0
52	28.5	23.4	35.2

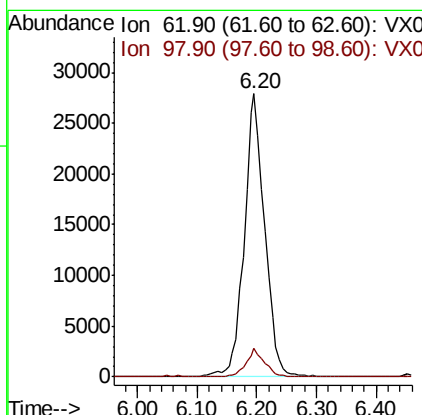
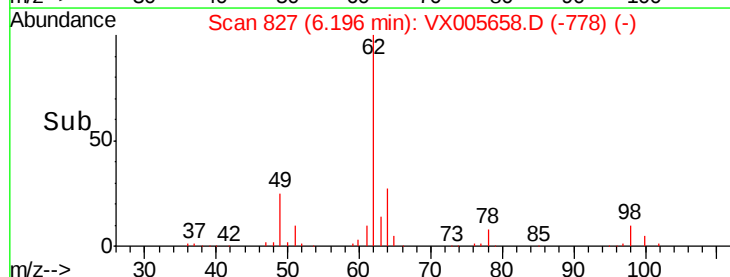
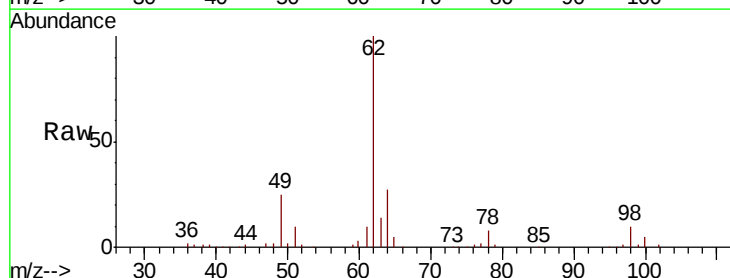
Manual Integrations
APPROVED

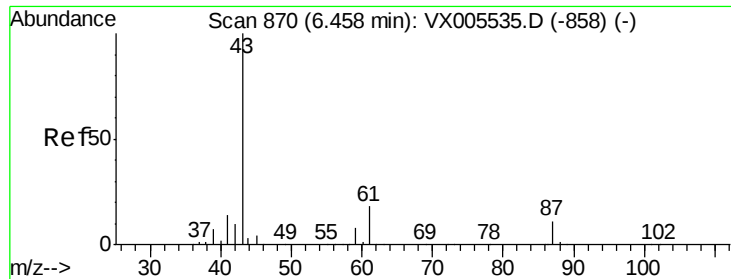
MMDadoda
10/30/2018 10:50:49 AM



#42
1,2-Dichloroethane
Concen: 19.822 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion:	62	Resp:	66751
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	17.8





#43

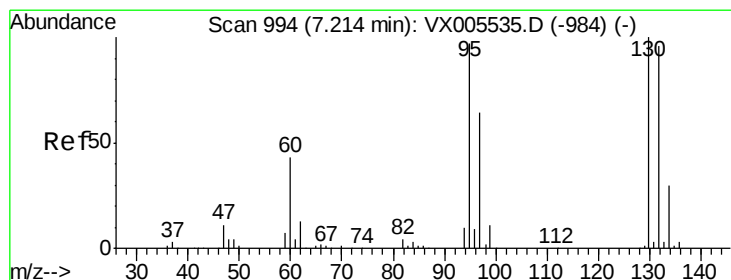
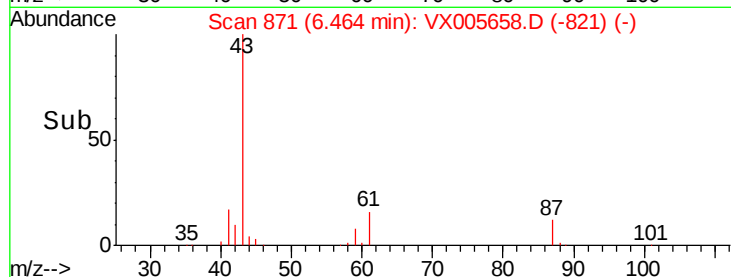
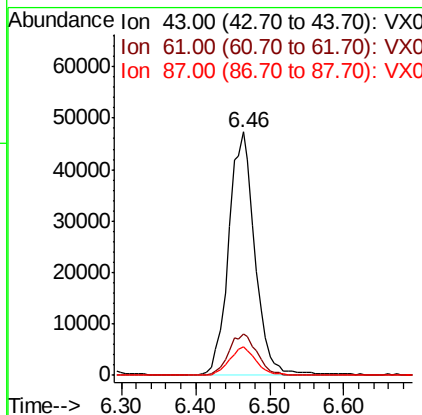
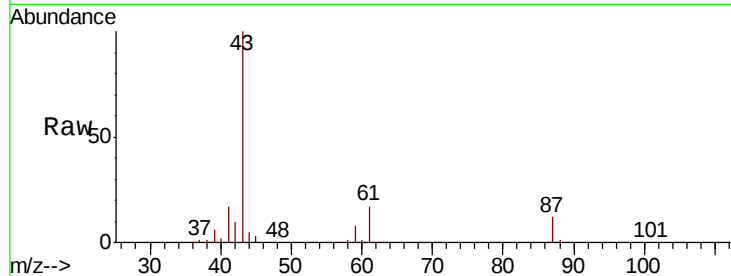
Isopropyl Acetate
 Concen: 19.589 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	22.0
87	11.8	9.6	14.4

Manual Integrations
 APPROVED

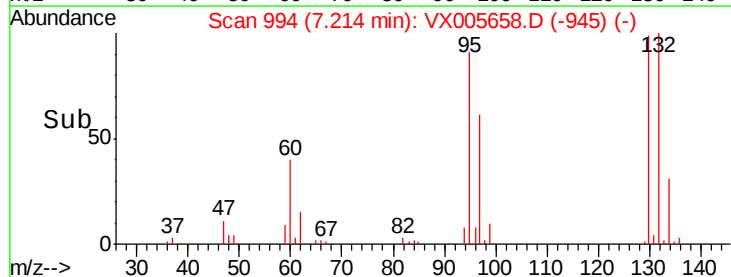
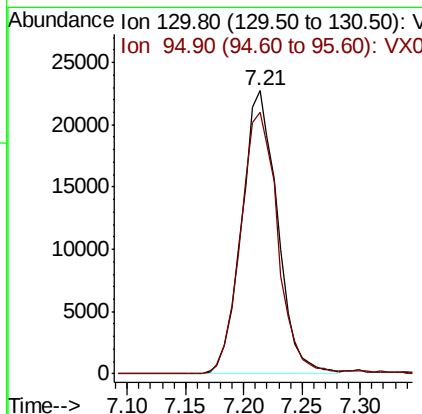
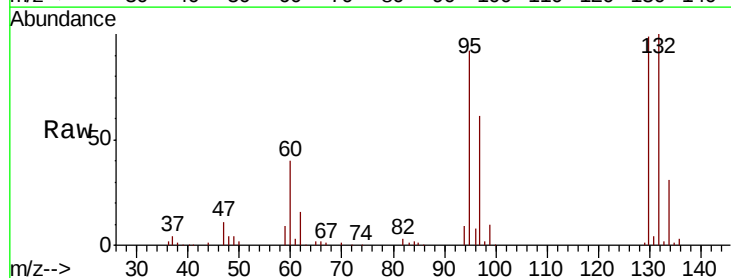
MMDadoda
 10/30/2018 10:50:49 AM



#44

Trichloroethene
 Concen: 20.209 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	194.2





#45

1,2-Dichloropropane

Concen: 19.630 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 63 Resp: 46784

Ion Ratio Lower Upper

63 100

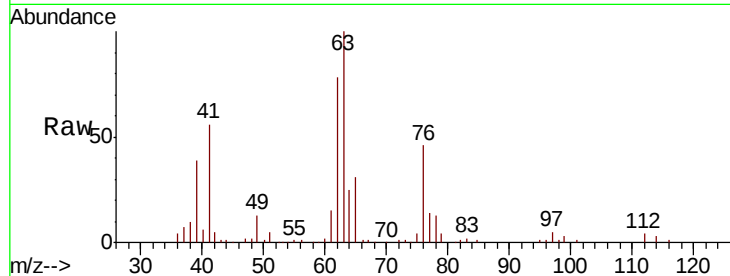
65 30.8 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

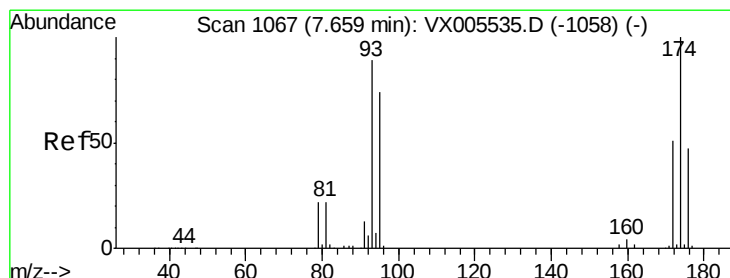
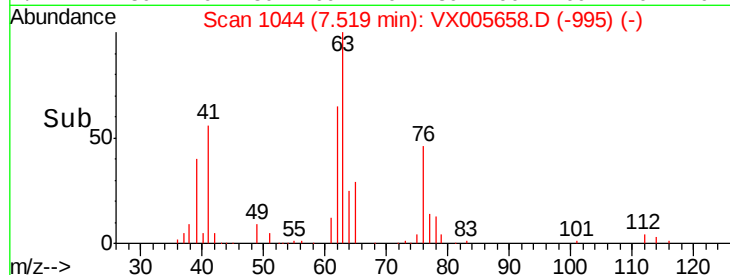
10000

5000

0

7.40 7.50 7.60 7.70

Time-->



#46

Dibromomethane

Concen: 19.429 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

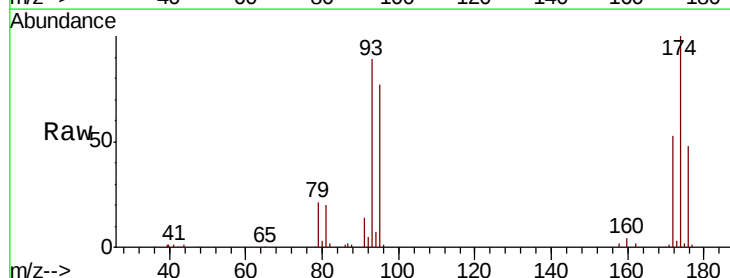
Tgt Ion: 93 Resp: 29906

Ion Ratio Lower Upper

93 100

95 82.0 67.4 101.0

174 112.6 91.5 137.3



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

20000

15000

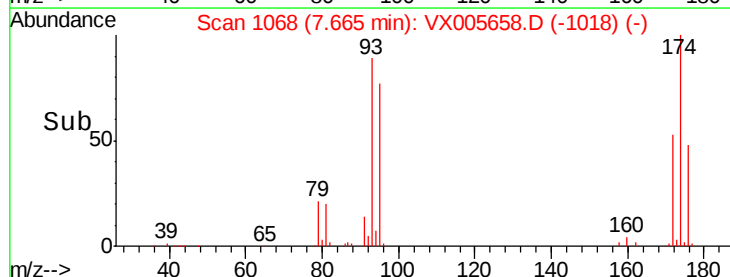
10000

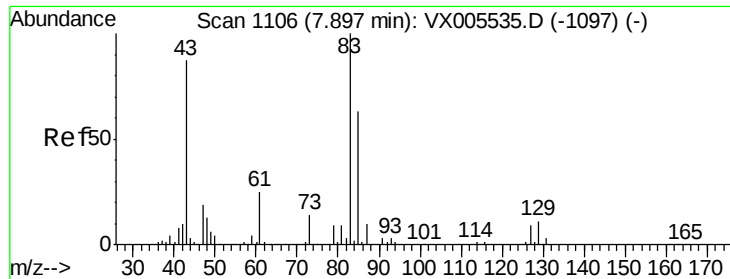
5000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 18.740 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

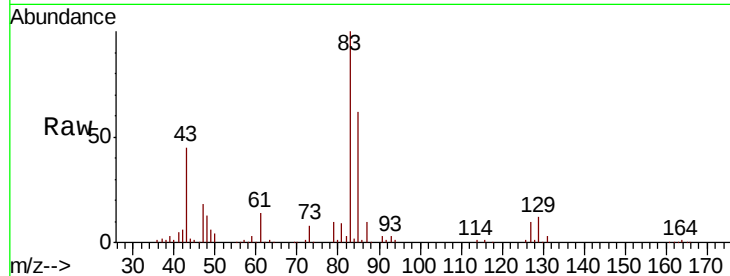
ClientSampleId :

VX1029WBSD01

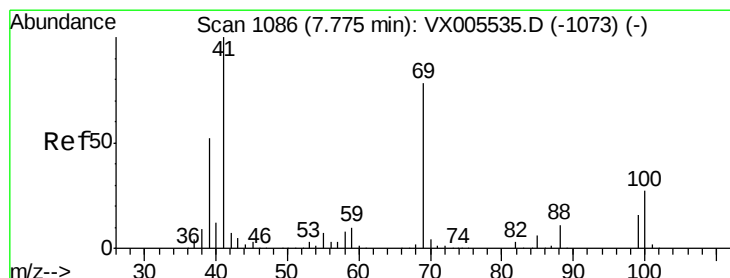
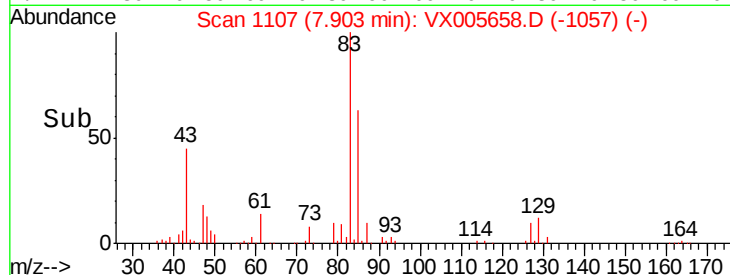
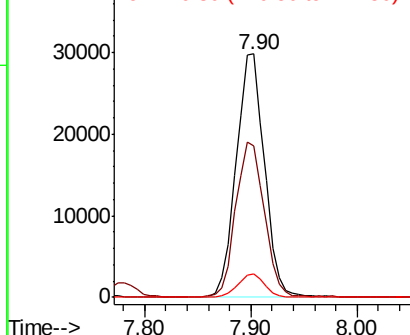
Tot Ion:	83	Resp:	55986
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.2	75.4
127	9.6	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.842 ug/l

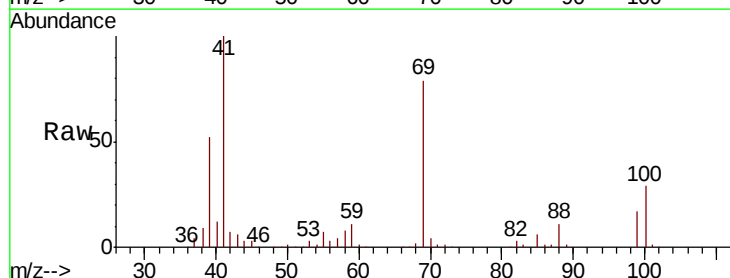
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

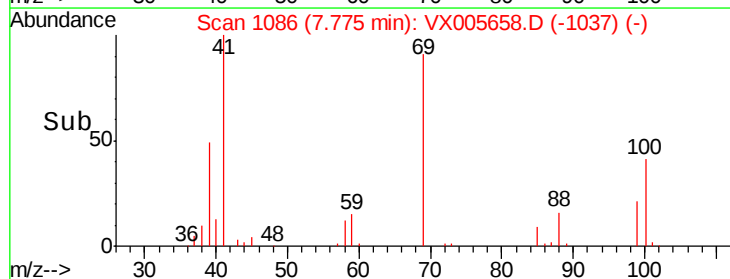
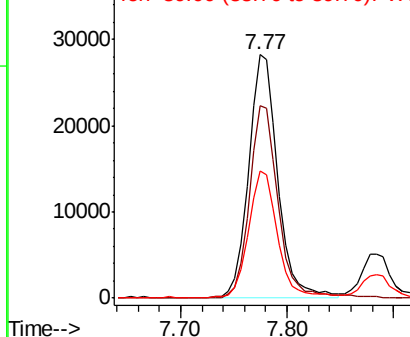
Lab File: VX005658.D

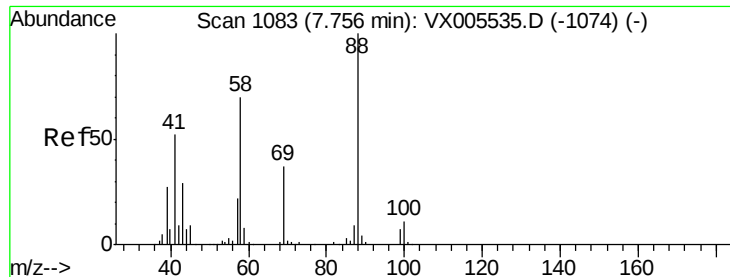
Acq: 29 Oct 2018 14:17

Tgt Ion:	41	Resp:	54280
Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.2	94.8
39	52.5	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 382.931 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

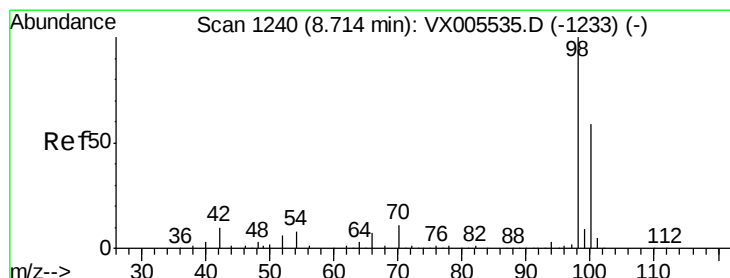
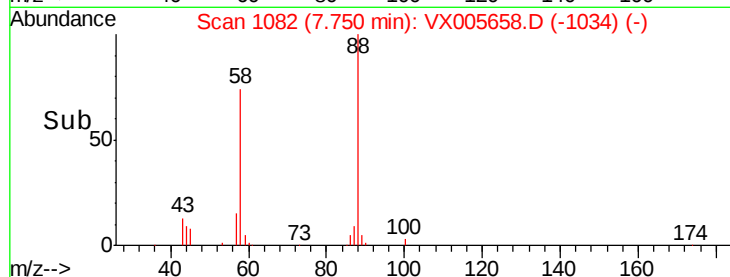
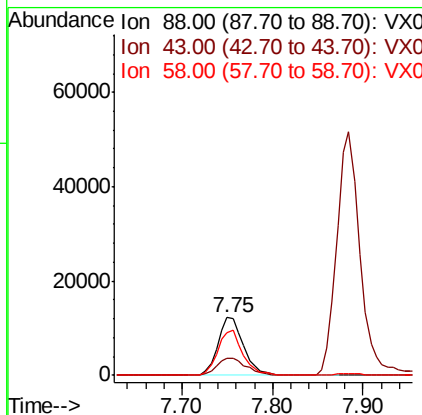
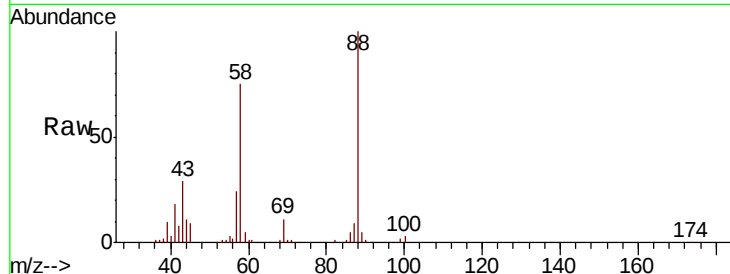
ClientSampleId :

VX1029WBSD01

Tot Ion:	88	Resp:	24107
Ion	Ratio	Lower	Upper
88	100		
43	36.6	27.4	41.0
58	76.6	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#50

Toluene-d8

Concen: 45.427 ug/l

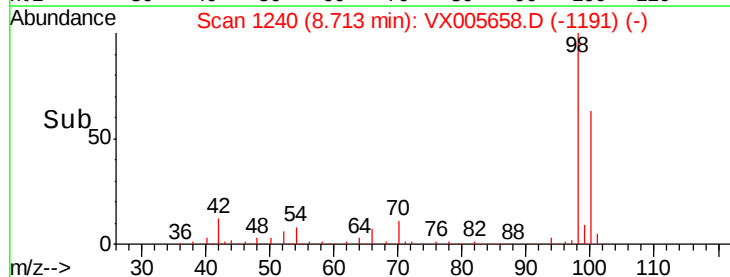
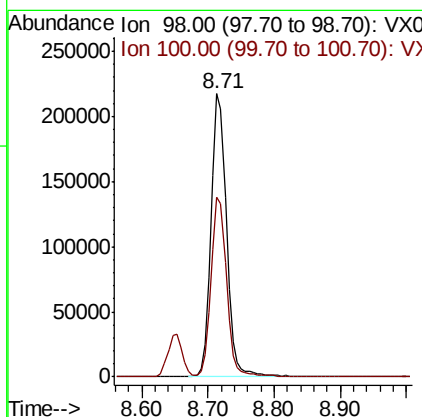
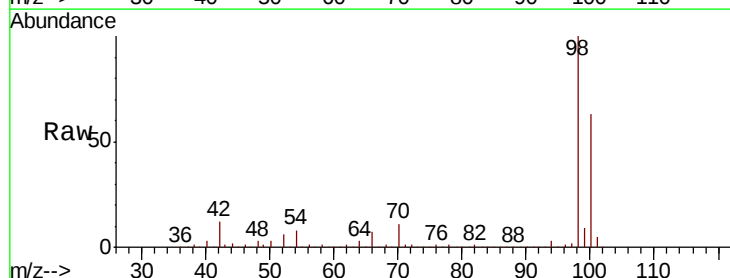
RT: 8.71 min Scan# 1240

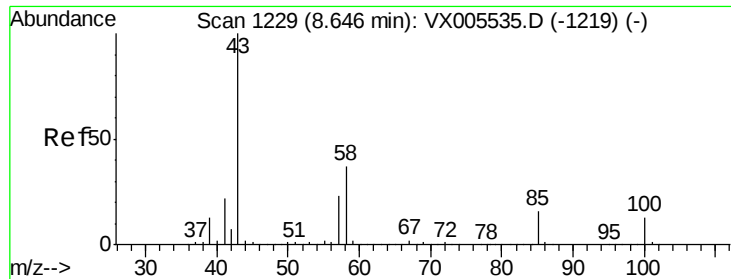
Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	98	Resp:	352192
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 94.016 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 43 Resp: 373632

Ion Ratio Lower Upper

43 100

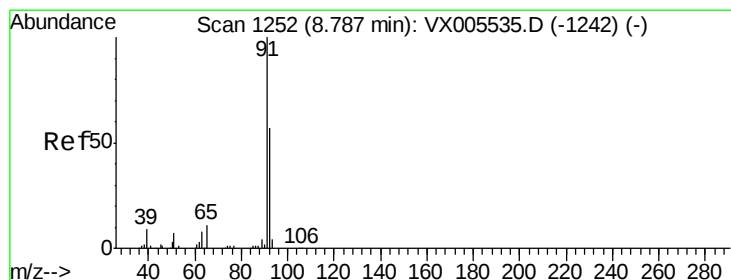
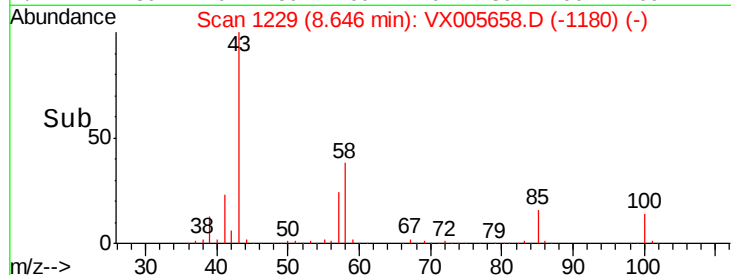
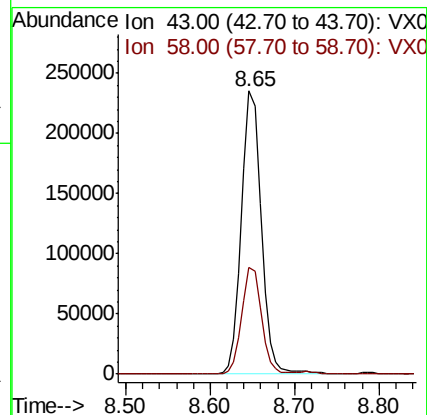
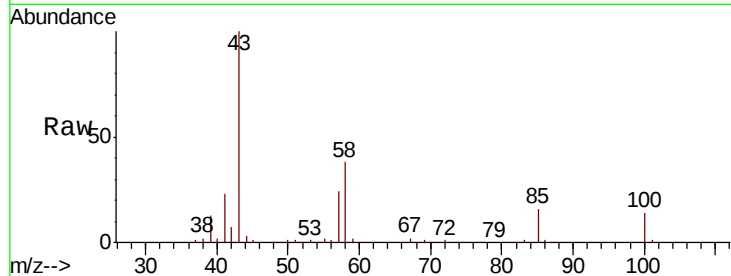
58 37.0 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



#52

Toluene

Concen: 19.114 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005658.D

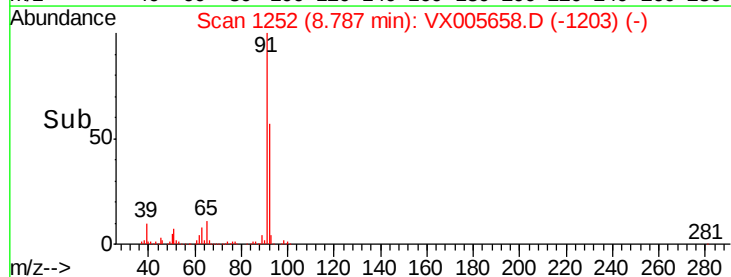
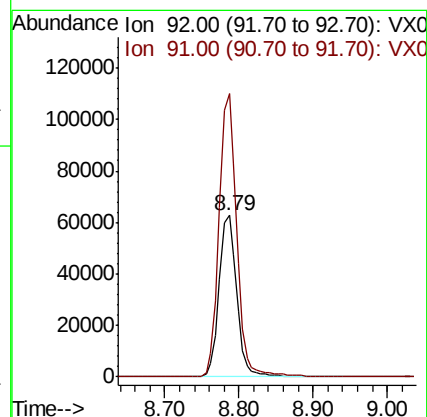
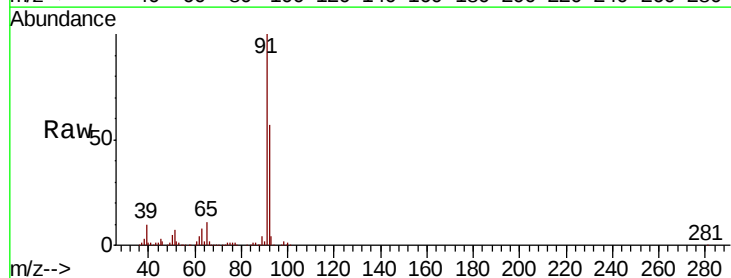
Acq: 29 Oct 2018 14:17

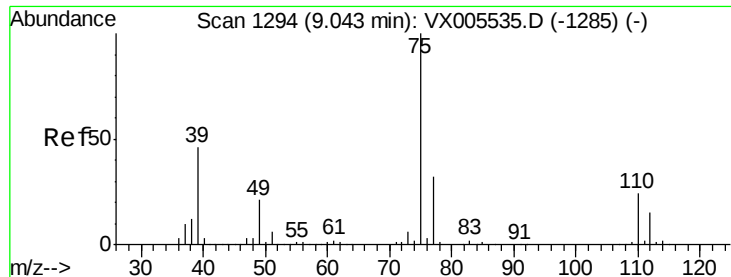
Tgt Ion: 92 Resp: 102974

Ion Ratio Lower Upper

92 100

91 174.7 140.4 210.6





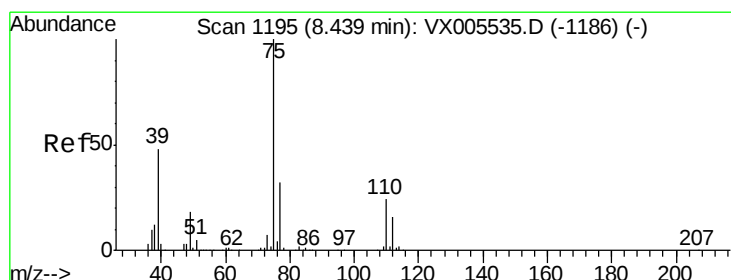
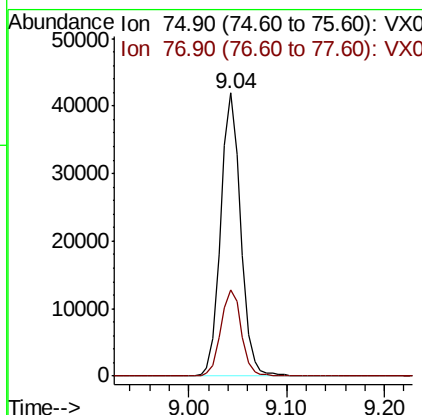
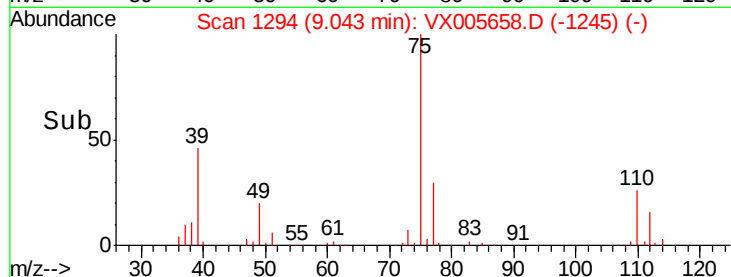
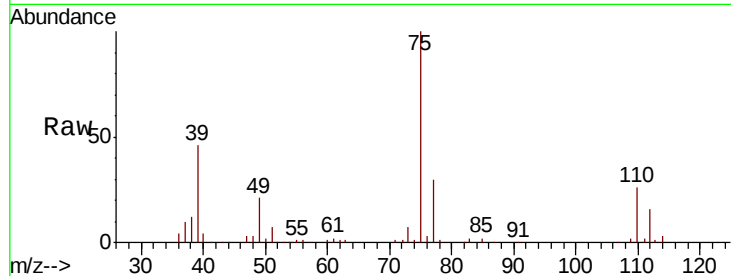
#53
t-1,3-Dichloropropene
Concen: 18.440 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion: 75 Resp: 59538
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.2

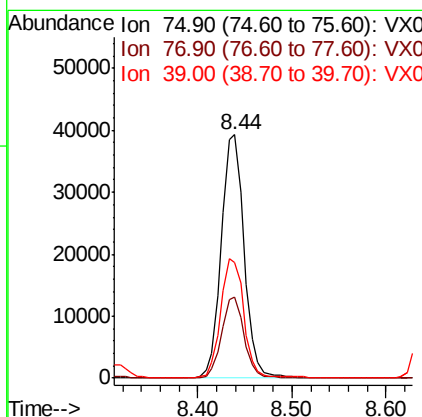
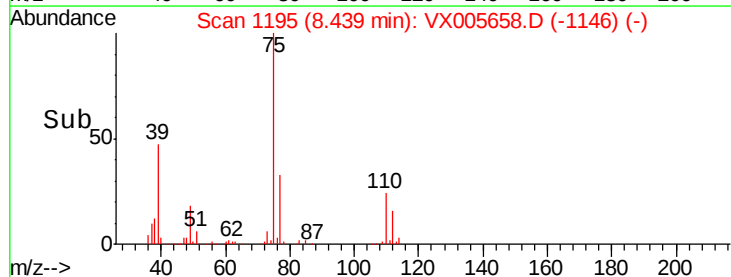
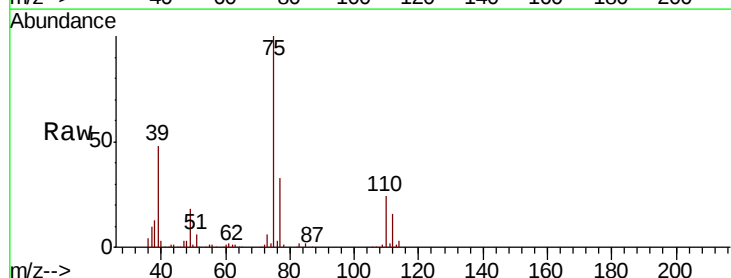
Manual Integrations
APPROVED

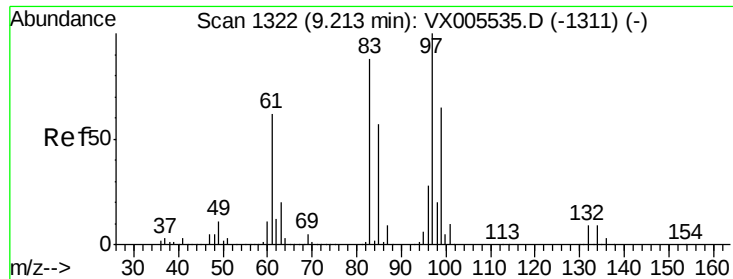
MMDadoda
10/30/2018 10:50:49 AM



#54
cis-1,3-Dichloropropene
Concen: 19.061 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion: 75 Resp: 66261
Ion Ratio Lower Upper
75 100
77 33.3 25.2 37.8
39 47.3 38.2 57.2





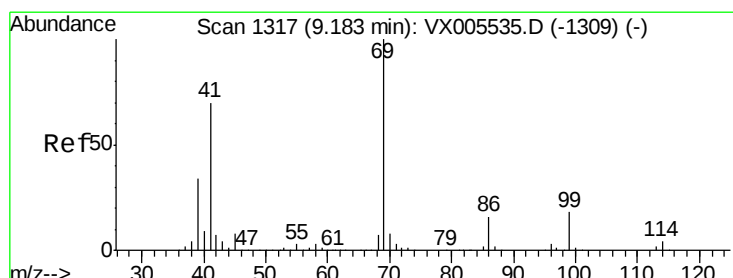
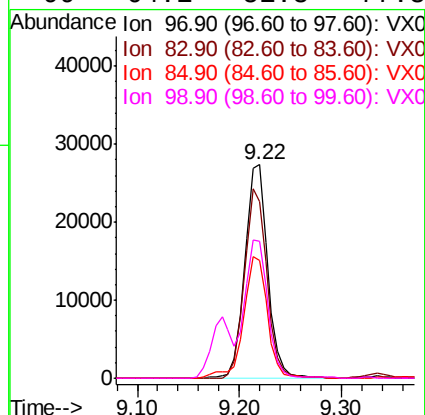
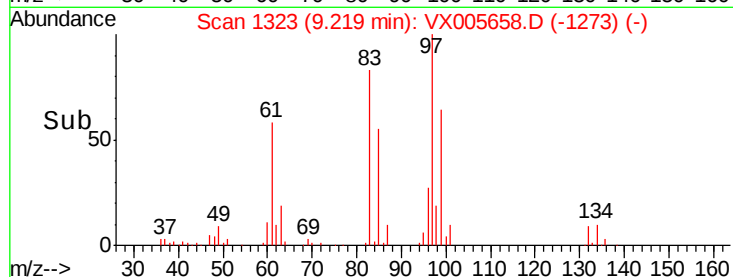
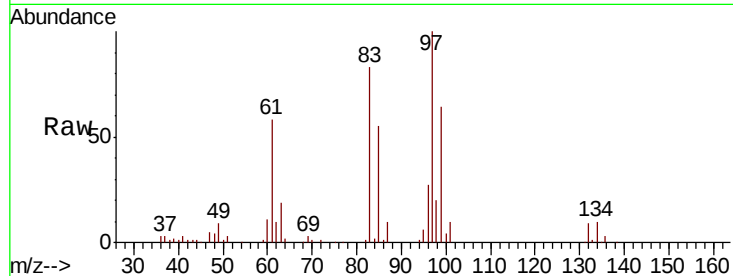
#55
 1,1,2-Trichloroethane
 Concen: 18.692 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion:	97	Resp:	42457
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.7	106.1
85	55.2	45.8	68.6
99	64.1	51.8	77.8

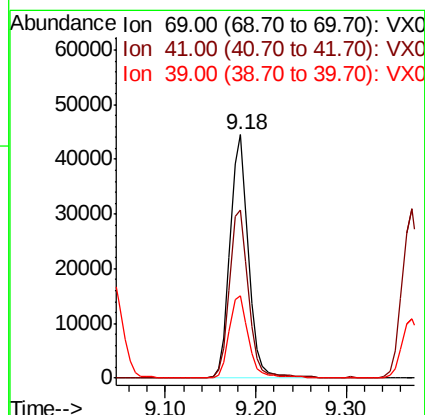
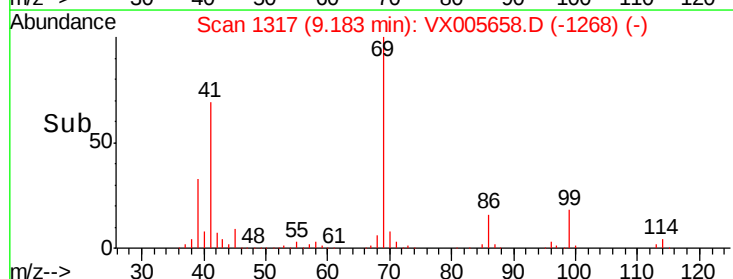
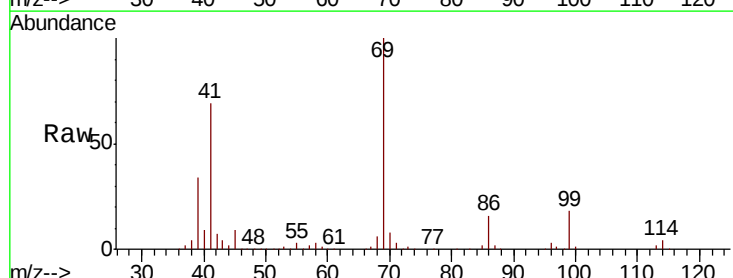
Manual Integrations
 APPROVED

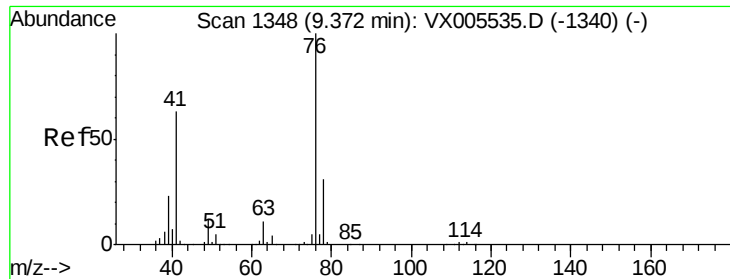
MMDadoda
 10/30/2018 10:50:49 AM



#56
 Ethyl methacrylate
 Concen: 18.576 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion:	69	Resp:	62936
Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.6
39	35.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 18.303 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 76 Resp: 70345

Ion Ratio Lower Upper

76 100

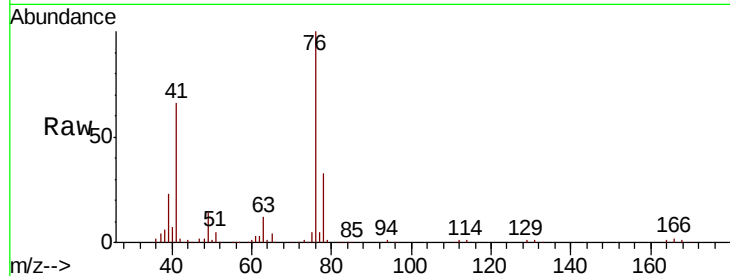
78 32.9 25.3 37.9

Manual Integrations

APPROVED

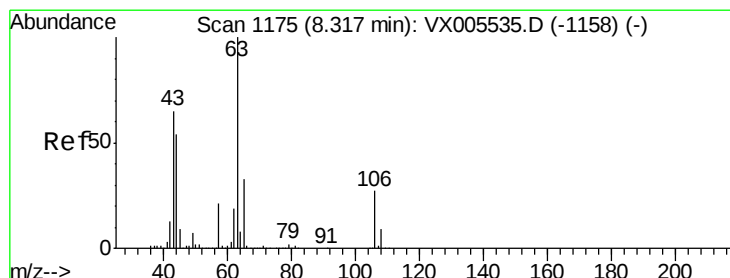
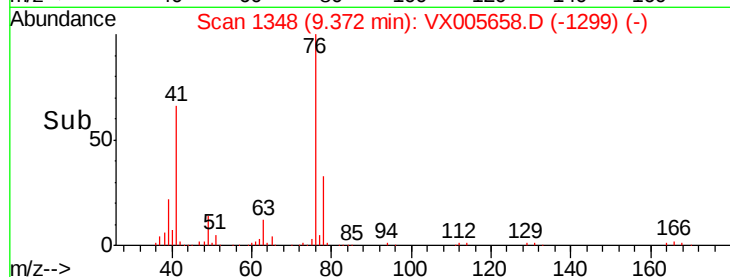
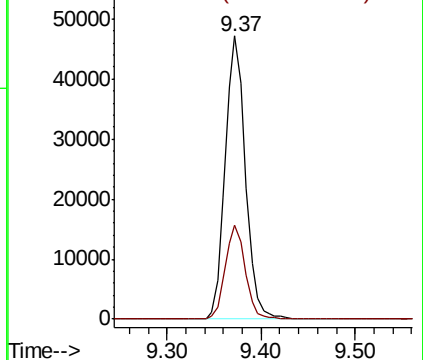
MMDadoda

10/30/2018 10:50:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 88.306 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005658.D

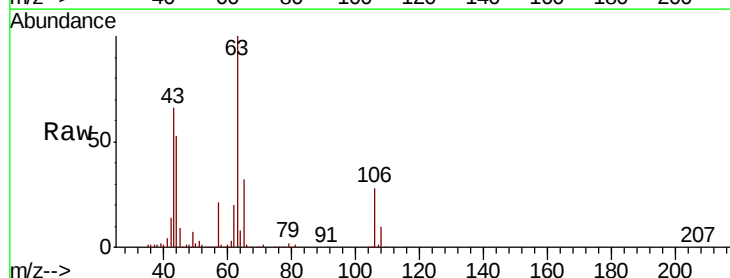
Acq: 29 Oct 2018 14:17

Tgt Ion: 63 Resp: 167094

Ion Ratio Lower Upper

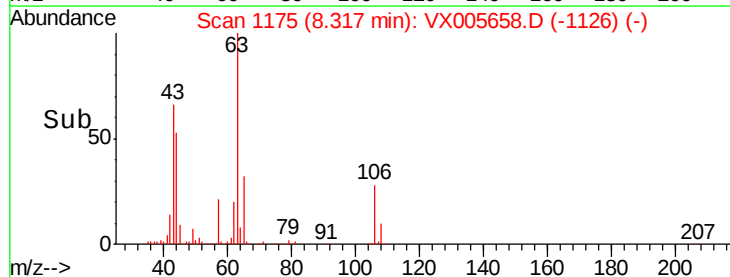
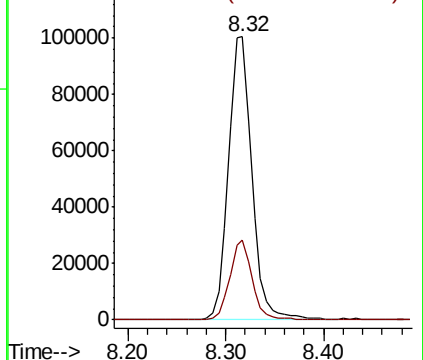
63 100

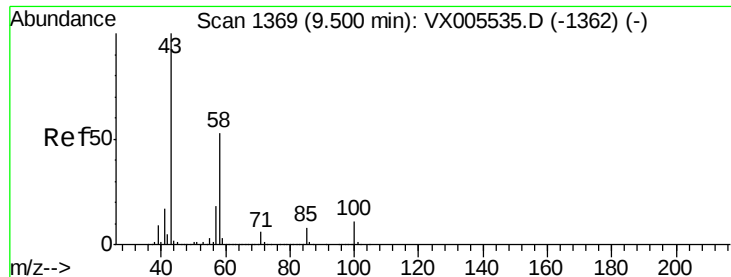
106 27.1 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





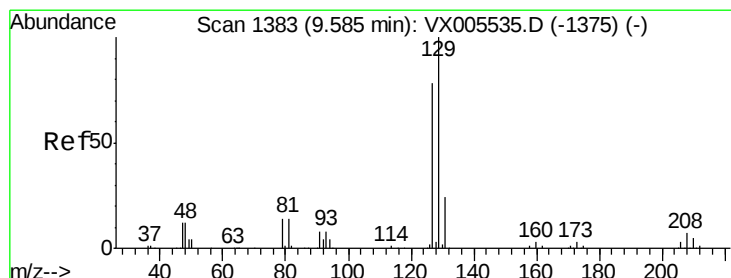
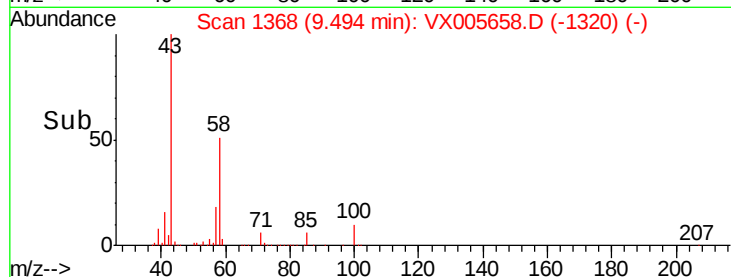
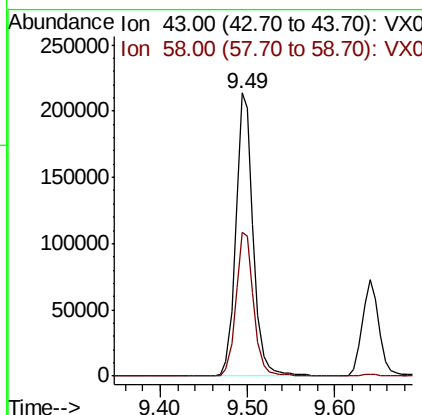
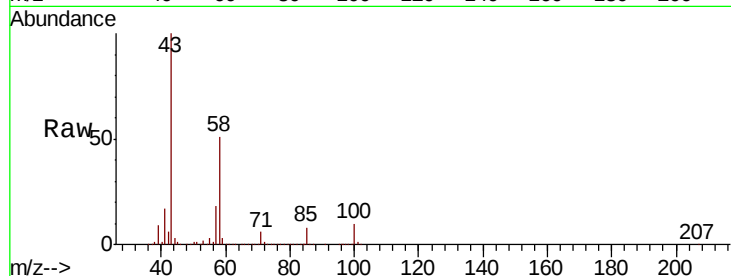
#59
2-Hexanone
Concen: 94.716 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion: 43 Resp: 296781
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

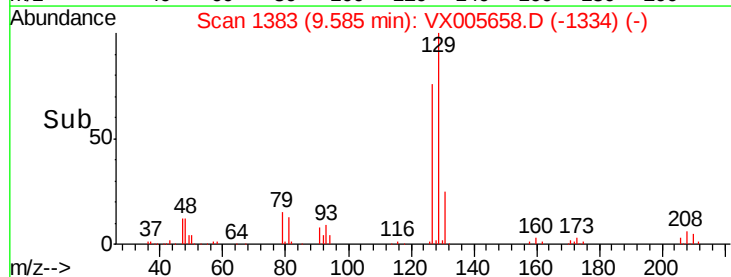
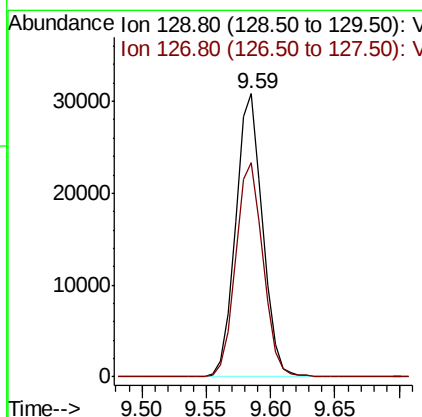
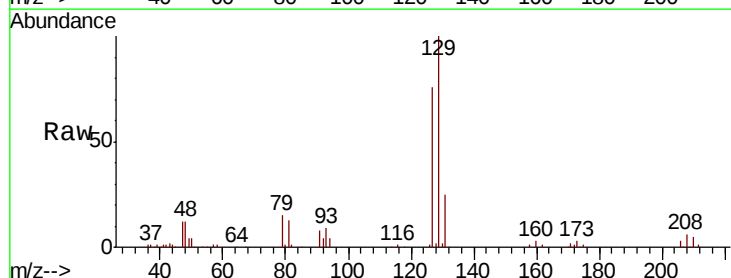
Manual Integrations
APPROVED

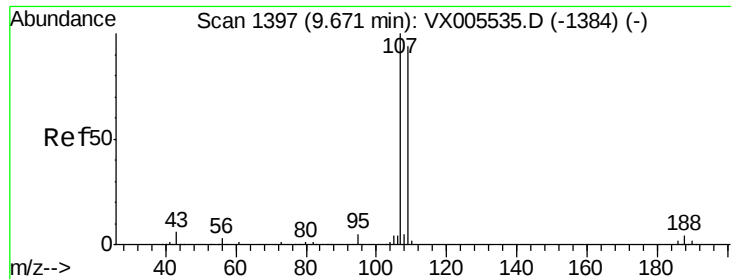
MMDadoda
10/30/2018 10:50:49 AM



#60
Dibromochloromethane
Concen: 18.847 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion: 129 Resp: 44665
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.115 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion: 107 Resp: 44918

Ion Ratio Lower Upper

107 100

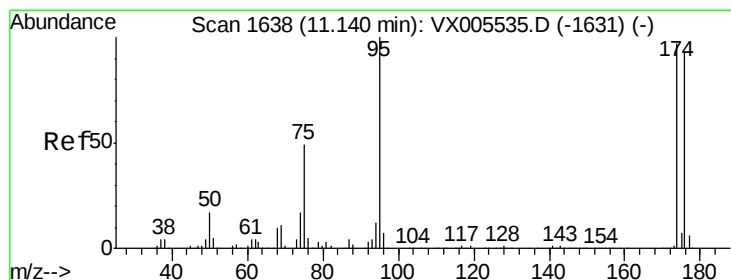
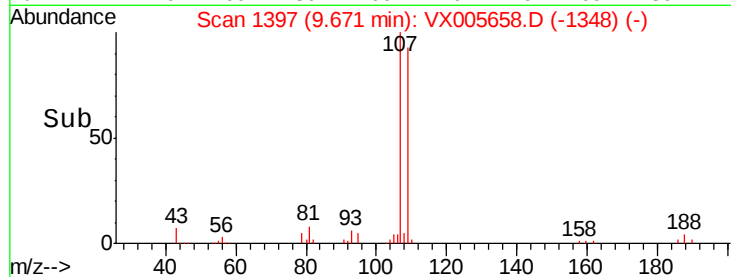
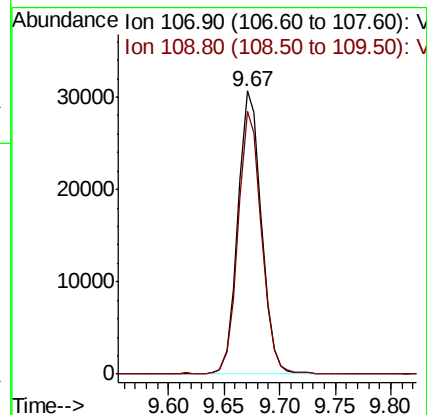
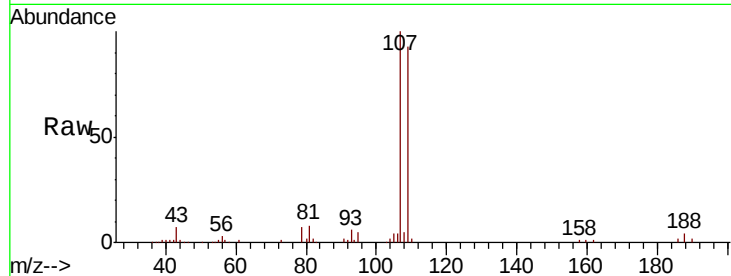
109 92.8 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

10/30/2018 10:50:49 AM



#62

4-Bromofluorobenzene

Concen: 44.530 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

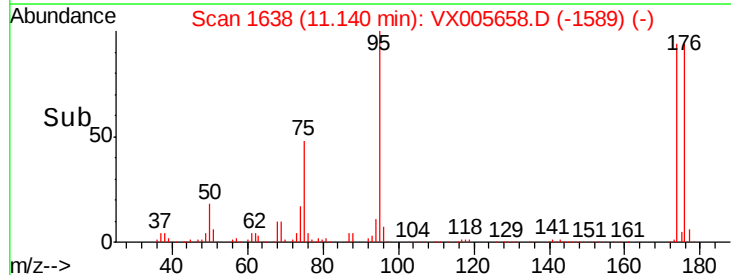
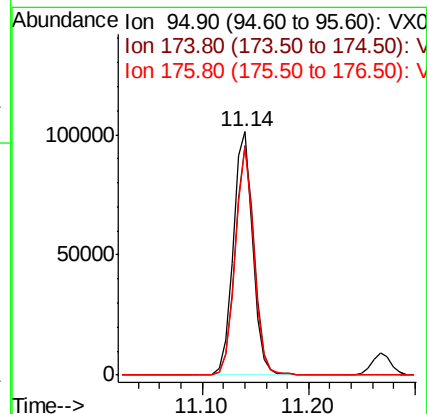
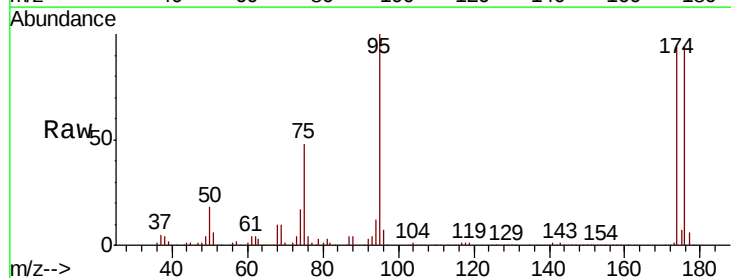
Tgt Ion: 95 Resp: 130375

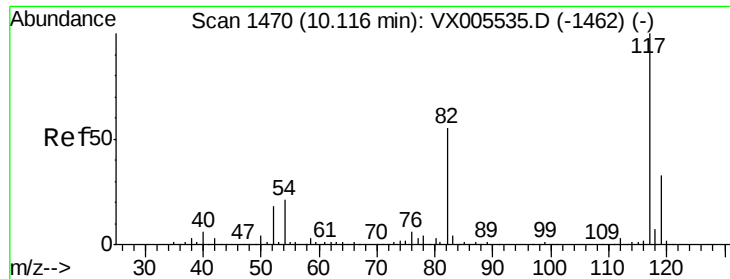
Ion Ratio Lower Upper

95 100

174 92.5 0.0 184.4

176 89.6 0.0 177.4





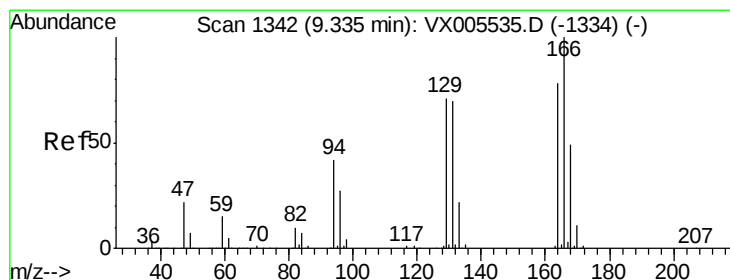
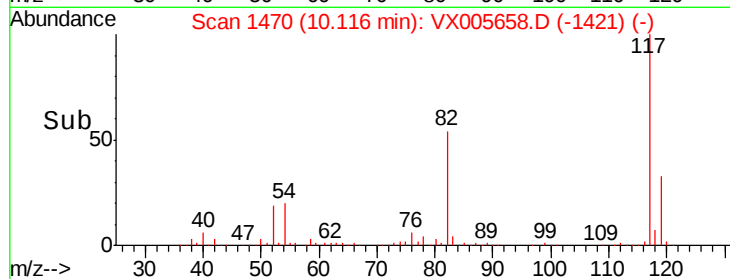
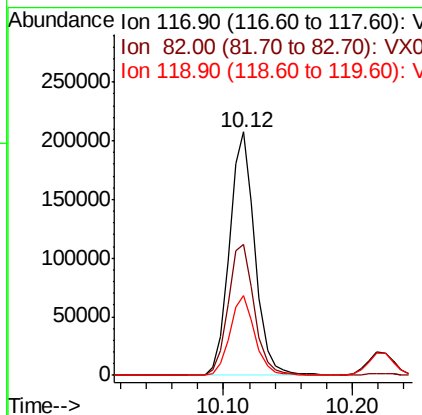
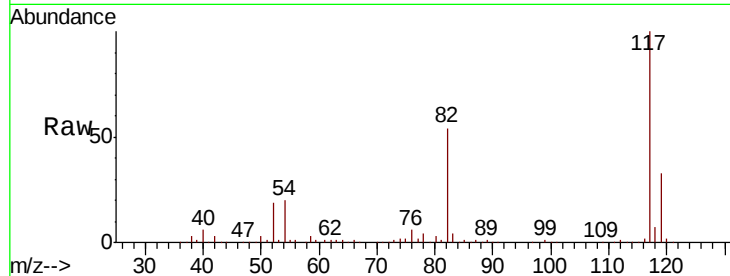
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.1	66.1
119	32.5	26.2	39.2

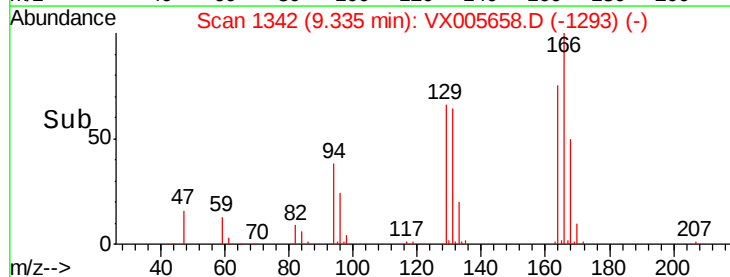
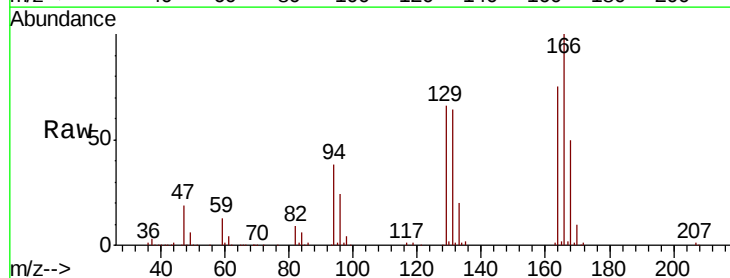
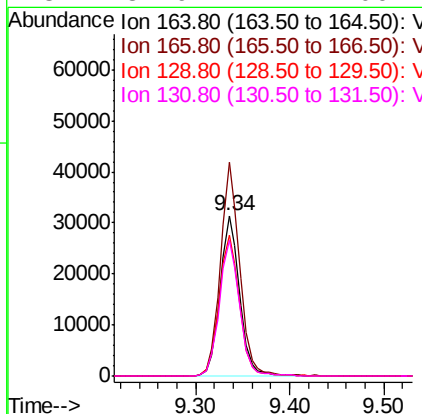
Manual Integrations
APPROVED

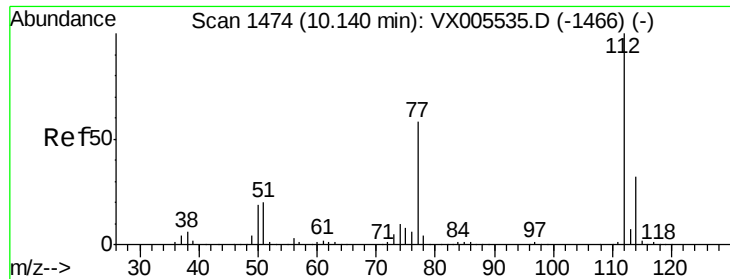
MMDadoda
10/30/2018 10:50:49 AM



#64
Tetrachloroethene
Concen: 19.131 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.9	152.9
129	87.7	72.6	109.0
131	84.9	71.1	106.7





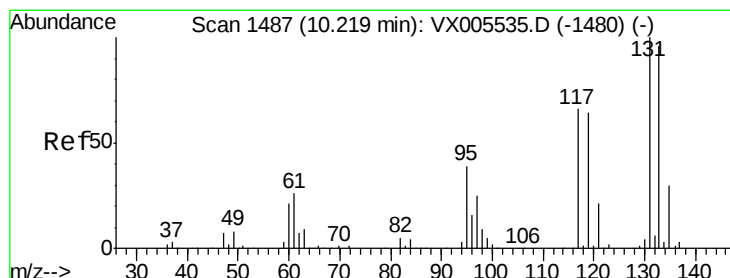
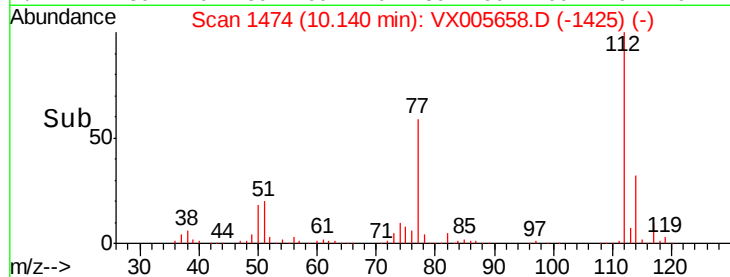
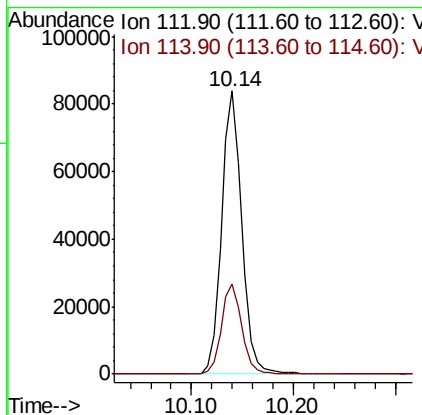
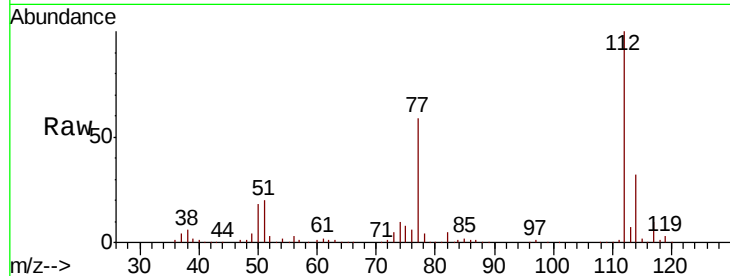
#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion:112 Resp: 115646
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

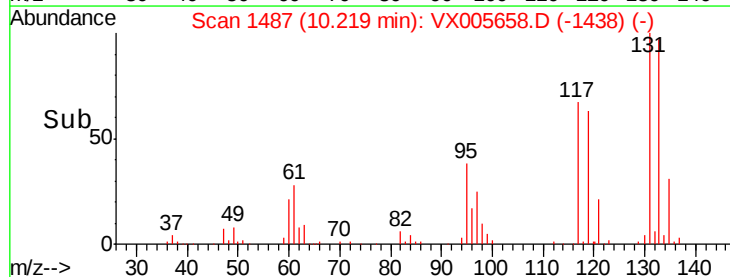
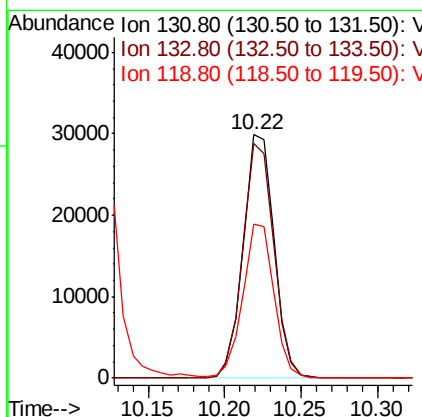
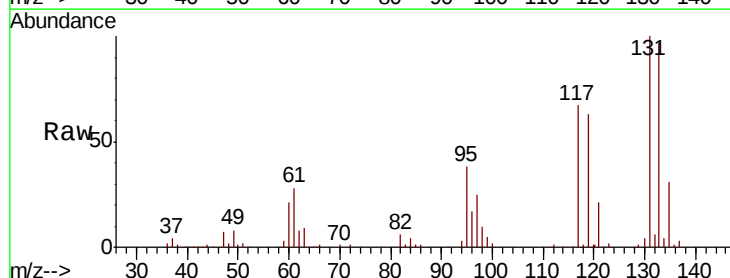
Manual Integrations
APPROVED

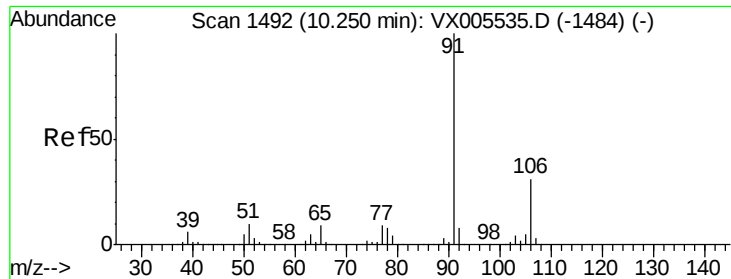
MMDadoda
10/30/2018 10:50:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.867 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion:131 Resp: 41925
Ion Ratio Lower Upper
131 100
133 97.3 47.5 142.5
119 64.0 31.8 95.3





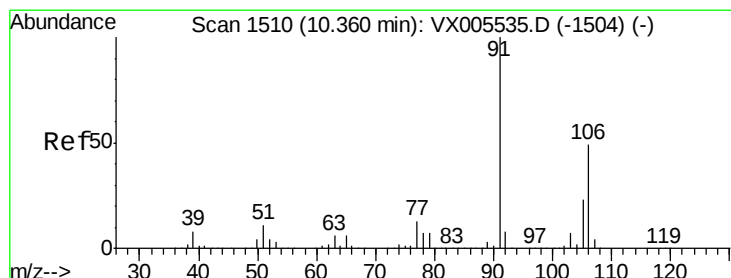
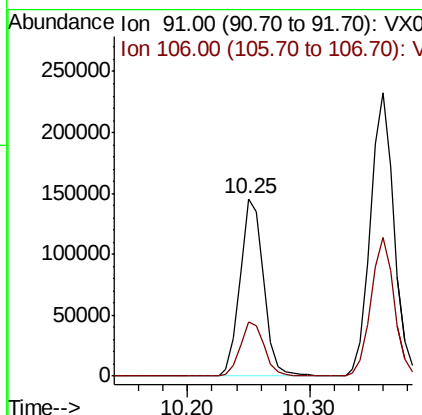
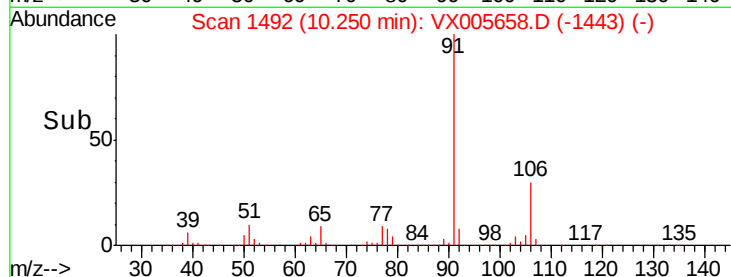
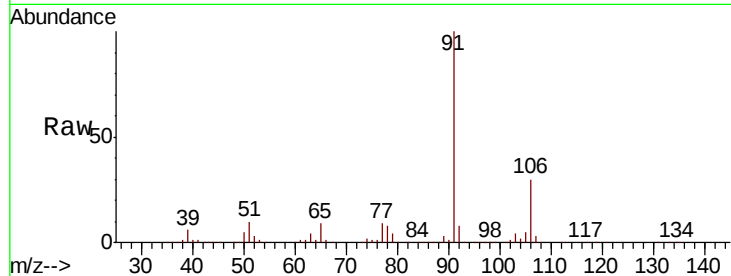
#67
Ethyl Benzene
Concen: 19.285 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion: 91 Resp: 193360
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

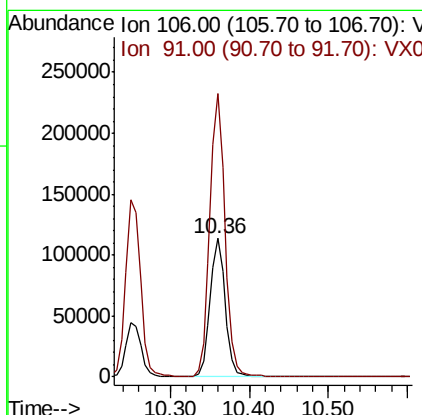
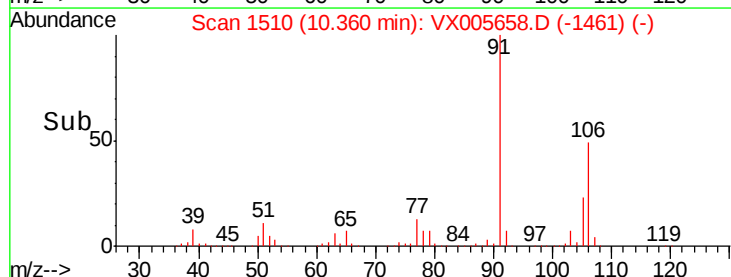
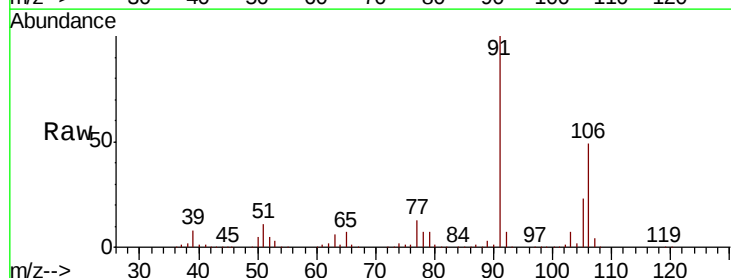
Manual Integrations
APPROVED

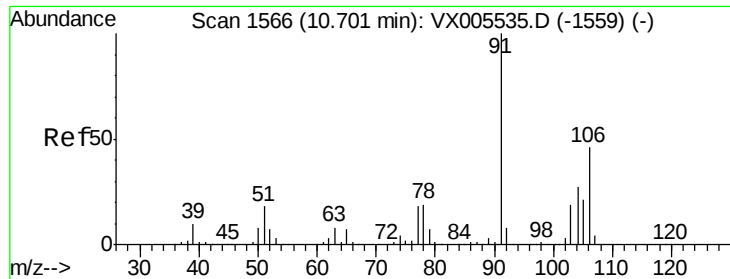
MMDadoda
10/30/2018 10:50:49 AM



#68
m/p-Xylenes
Concen: 39.098 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion: 106 Resp: 152090
Ion Ratio Lower Upper
106 100
91 205.8 164.2 246.4





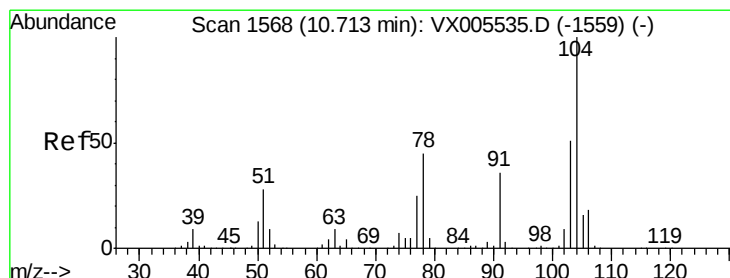
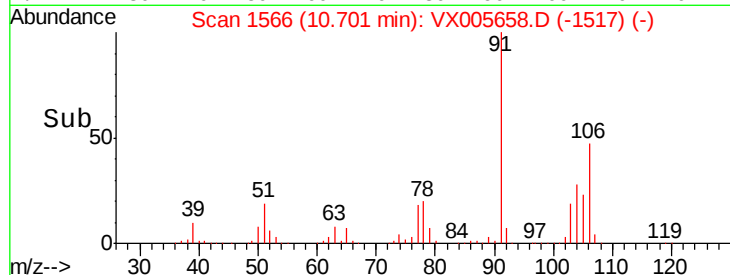
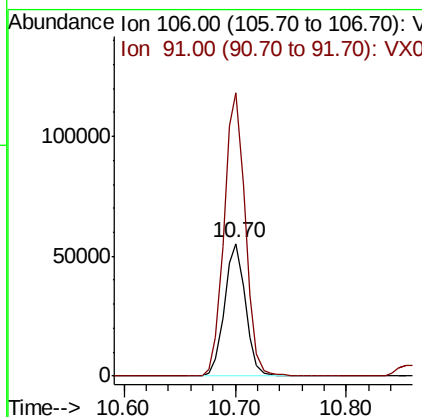
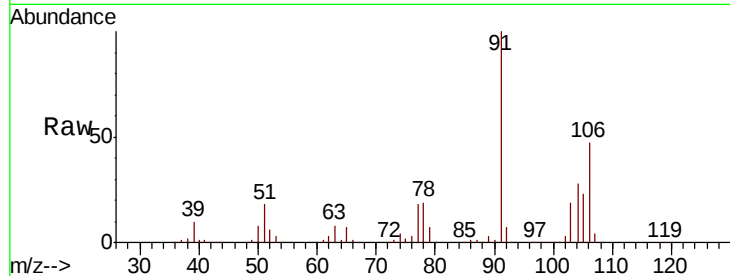
#69
o-Xylene
Concen: 19.687 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion:106 Resp: 72049
Ion Ratio Lower Upper
106 100
91 216.6 108.5 325.5

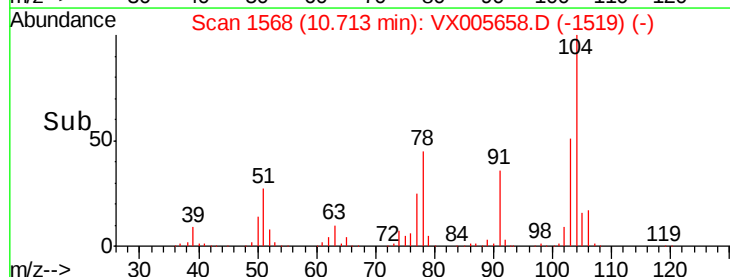
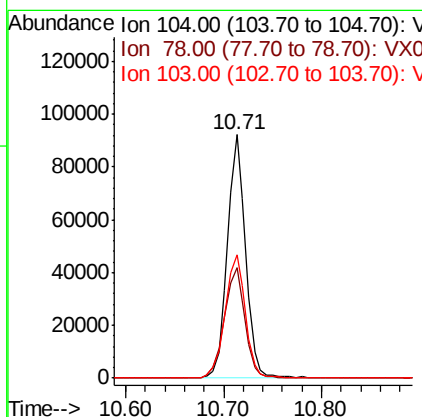
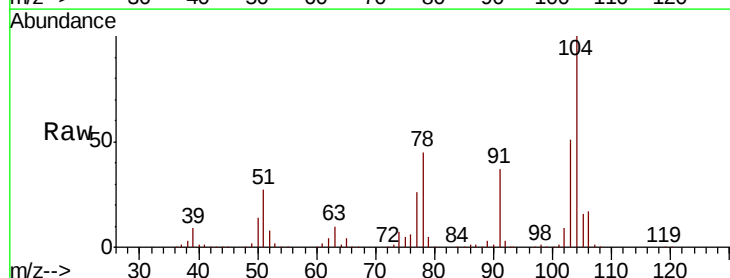
Manual Integrations
APPROVED

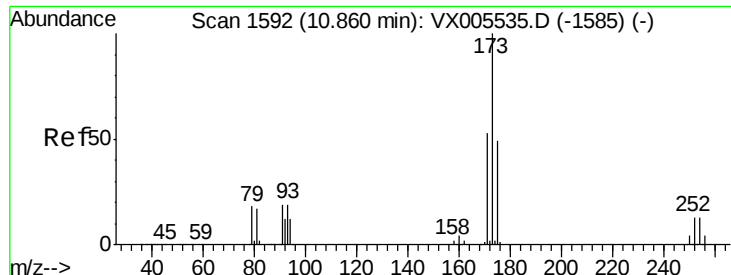
MMDadoda
10/30/2018 10:50:49 AM



#70
Styrene
Concen: 19.531 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion:104 Resp: 119659
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 56.5 44.9 67.3





#71

Bromoform

Concen: 18.482 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion:173 Resp: 36647

Ion Ratio Lower Upper

173 100

175 48.0 24.8 74.3

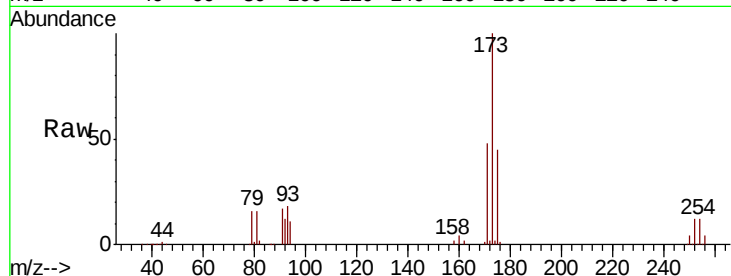
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

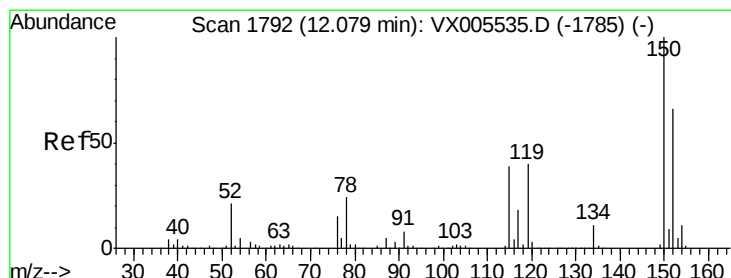
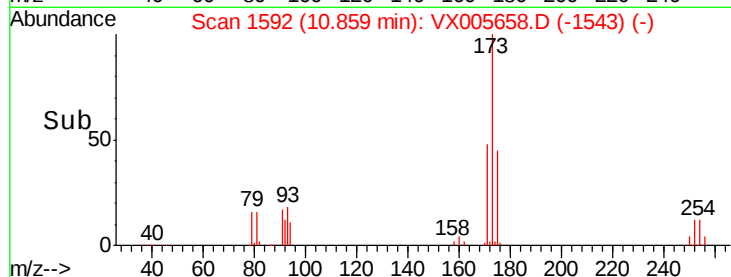
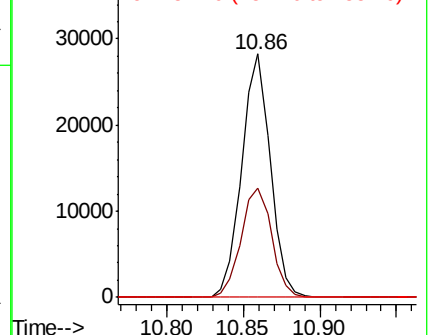
10/30/2018 10:50:49 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

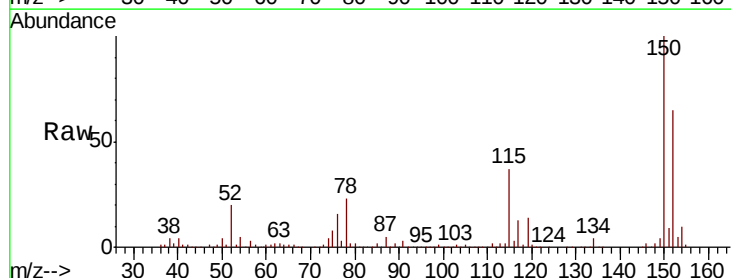
Tgt Ion:152 Resp: 160093

Ion Ratio Lower Upper

152 100

115 64.6 39.4 118.1

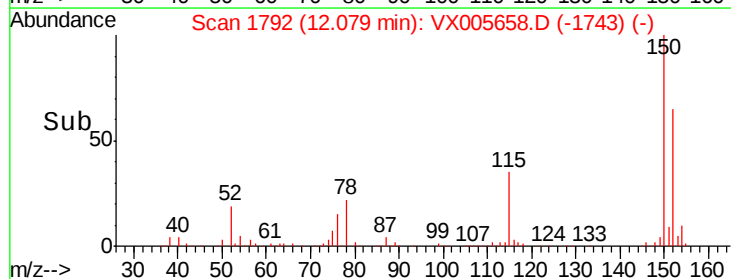
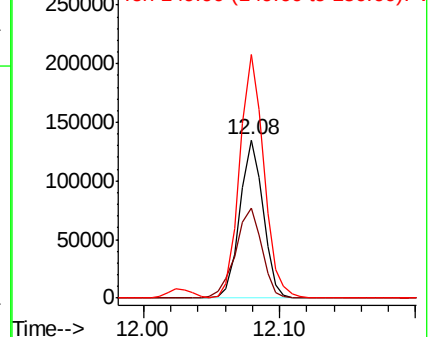
150 161.4 0.0 346.4

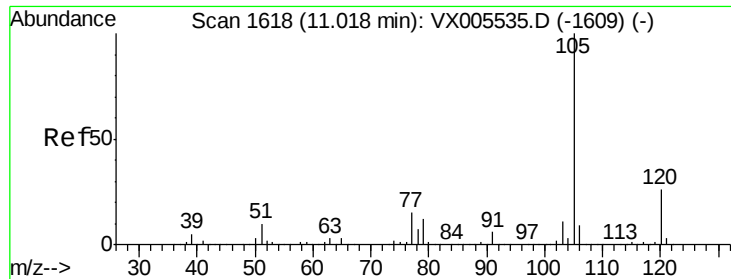


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





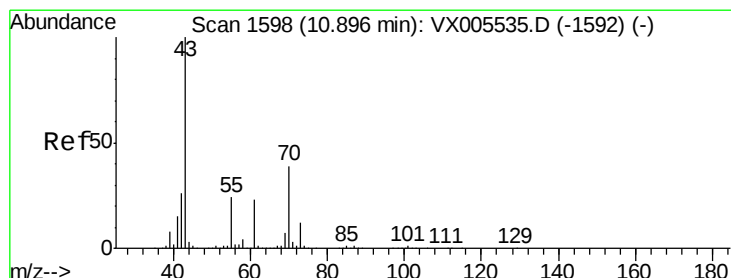
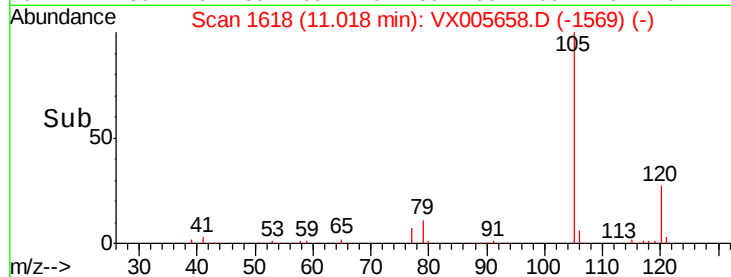
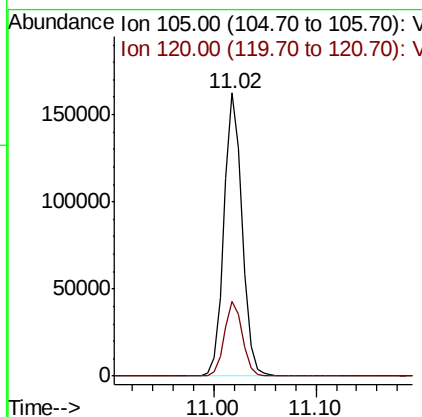
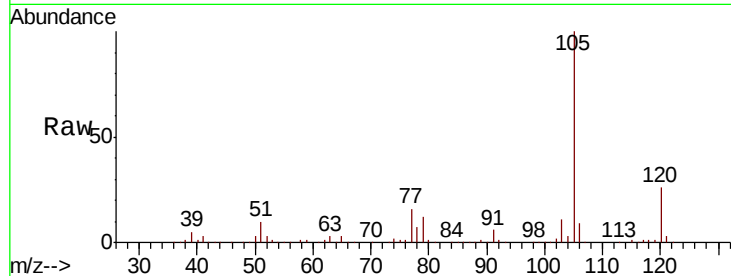
#73
Isopropylbenzene
Concen: 20.524 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.3

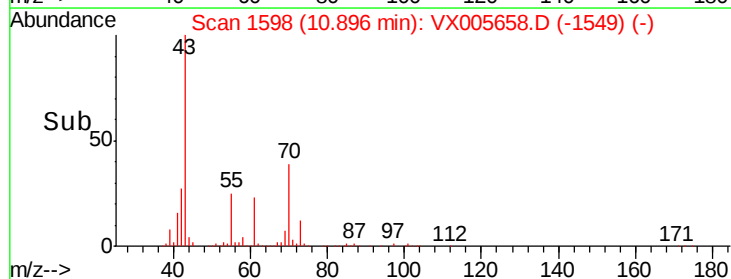
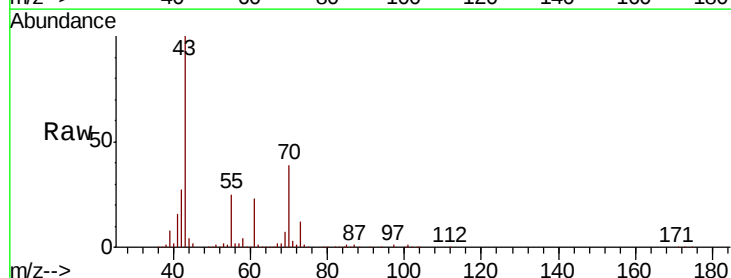
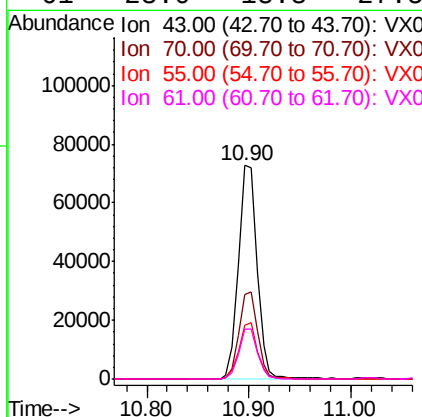
Manual Integrations
APPROVED

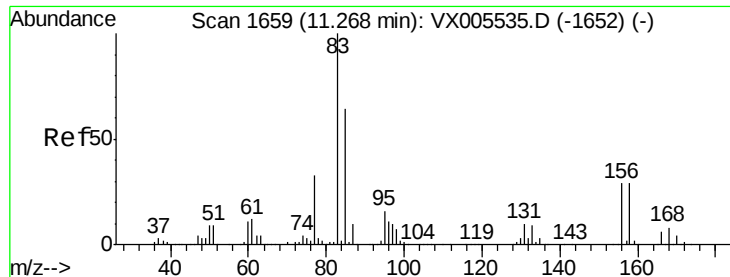
MMDadoda
10/30/2018 10:50:49 AM



#74
N-ethyl acetate
Concen: 18.954 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.5	31.6	47.4
55	26.1	19.7	29.5
61	23.0	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.096 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

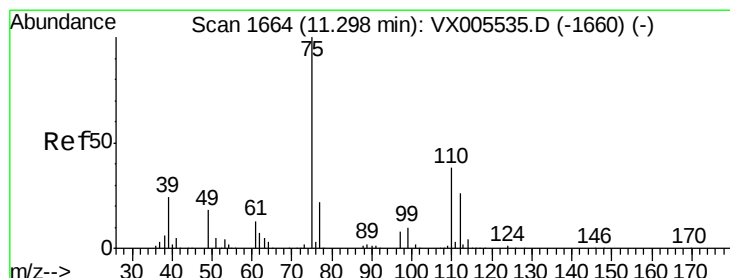
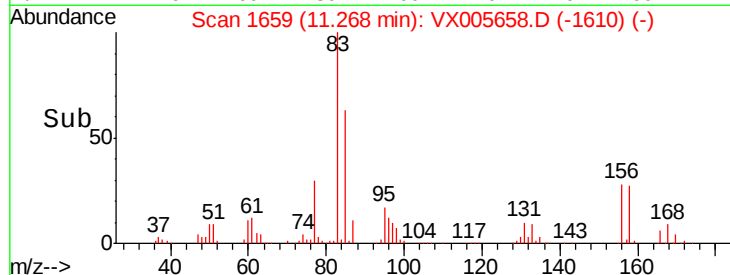
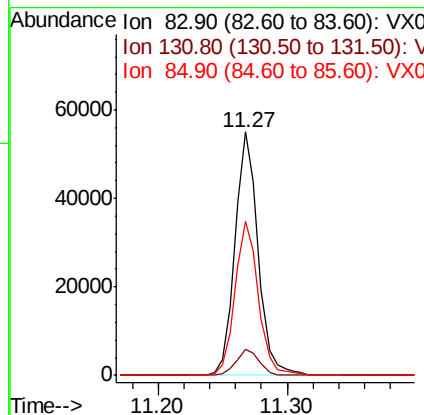
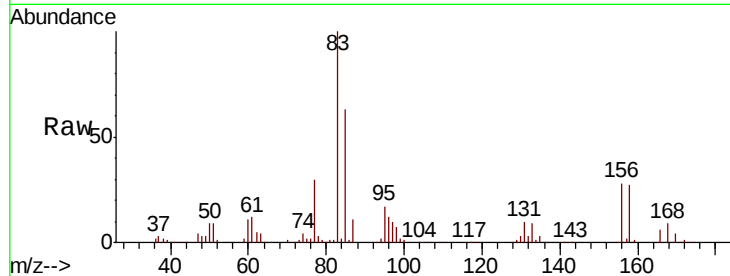
ClientSampleId :

VX1029WBSD01

Tot Ion:	83	Resp:	68944
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.5	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#76

1,2,3-Trichloropropane

Concen: 19.372 ug/l m

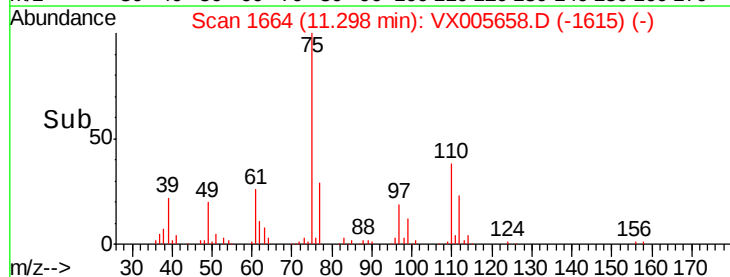
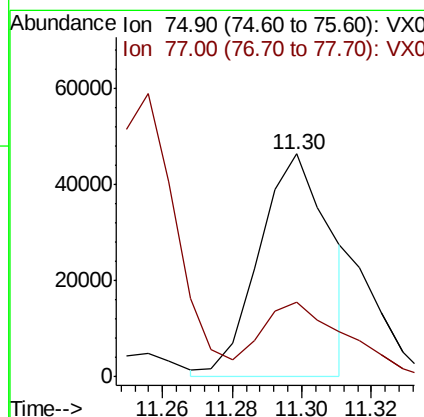
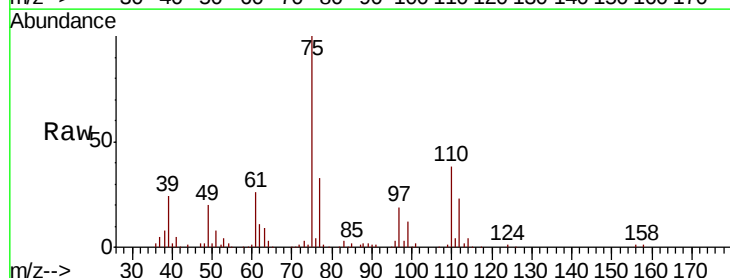
RT: 11.30 min Scan# 1664

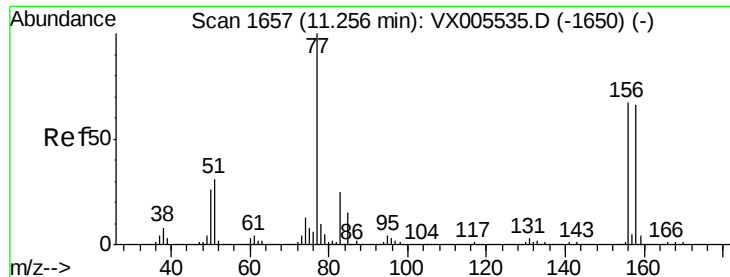
Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	75	Resp:	65711
Ion	Ratio	Lower	Upper
75	100		
77	39.9	20.5	61.6





#77

Bromobenzene

Concen: 19.672 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

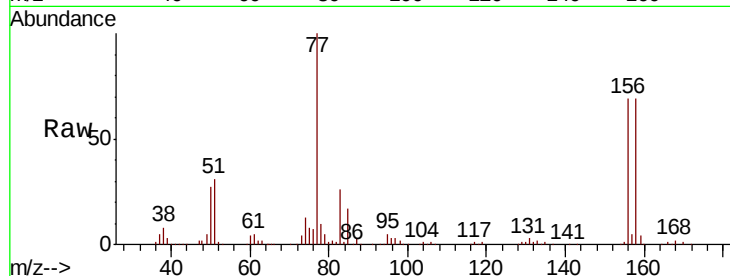
ClientSampleId :

VX1029WBSD01

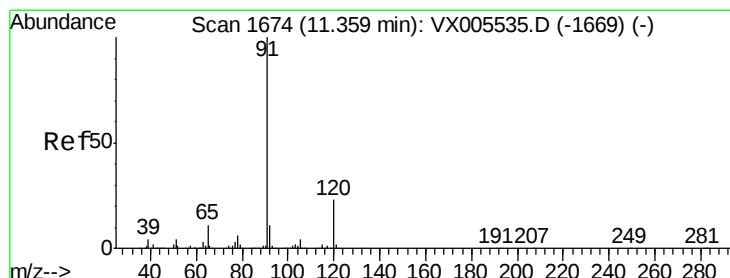
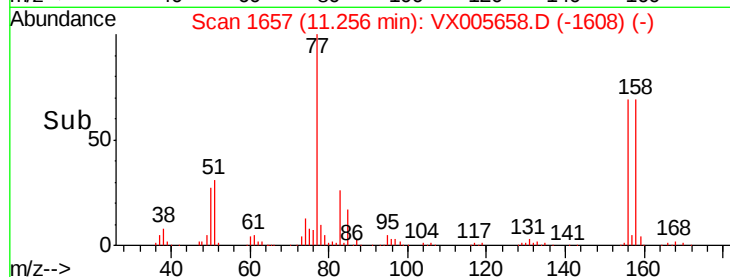
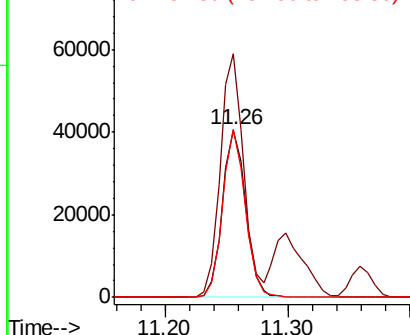
Tot Ion:	156	Resp:	53652
Ion	Ratio	Lower	Upper
156	100		
77	145.9	74.8	224.4
158	98.1	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



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



#78

n-propylbenzene

Concen: 20.361 ug/l

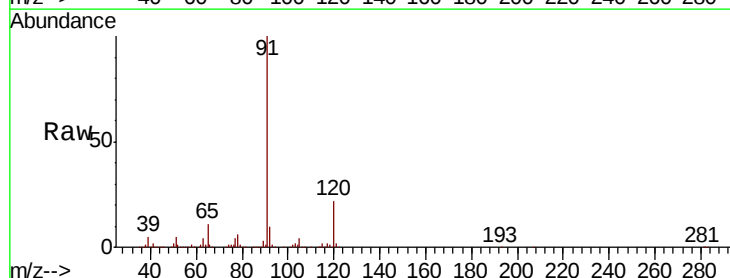
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

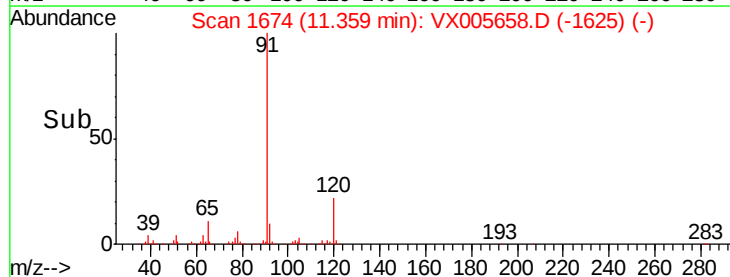
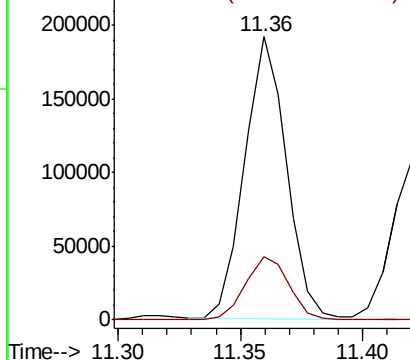
Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	91	Resp:	227841
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





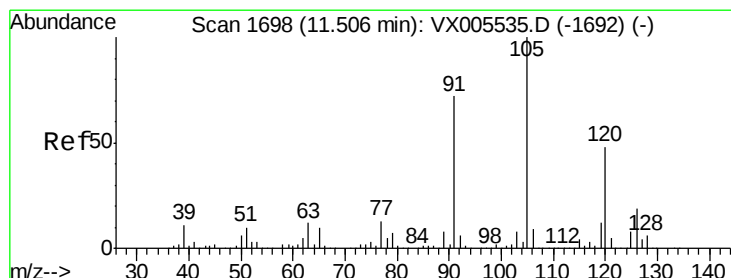
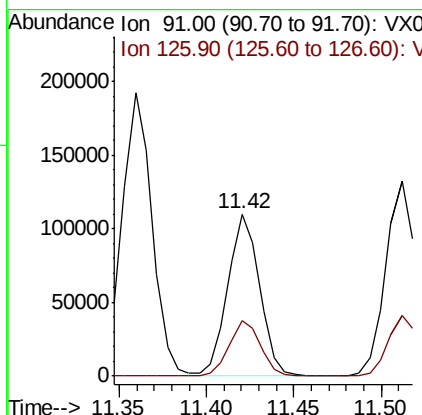
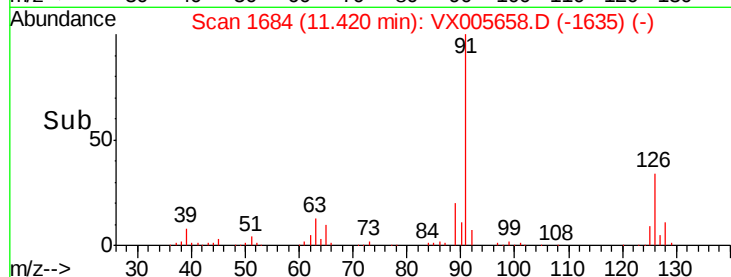
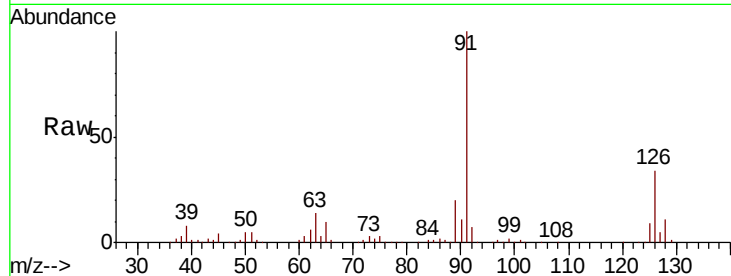
#79
 2-Chlorotoluene
 Concen: 19.922 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion: 91 Resp: 138225
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.3 52.0

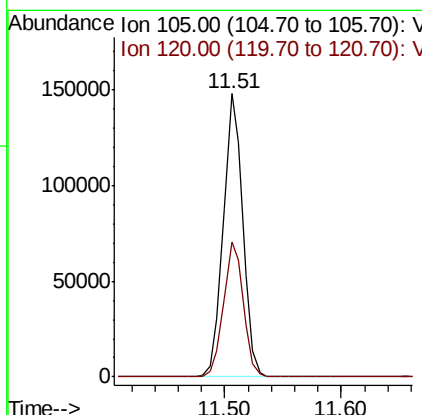
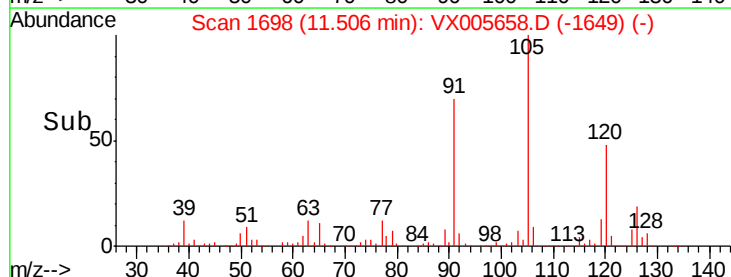
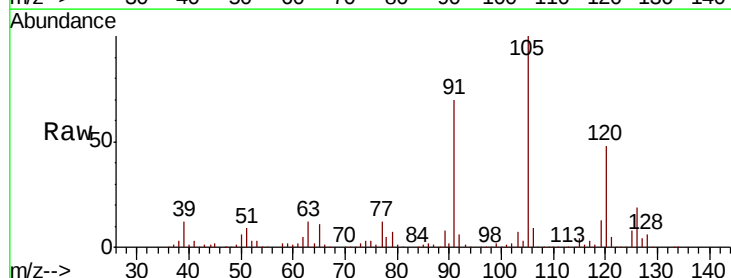
Manual Integrations
 APPROVED

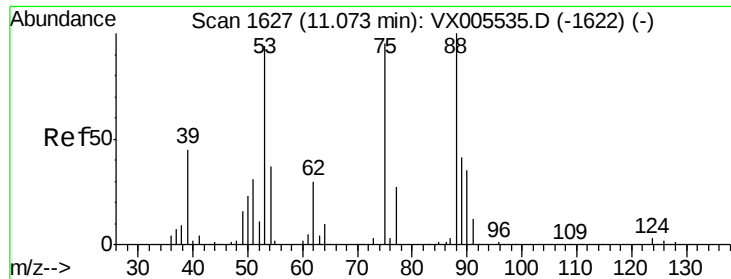
MMDadoda
 10/30/2018 10:50:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.421 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion: 105 Resp: 170957
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2





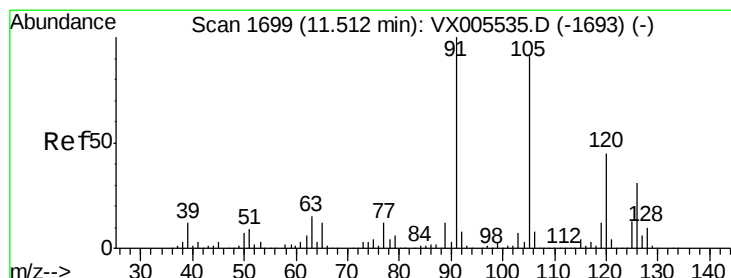
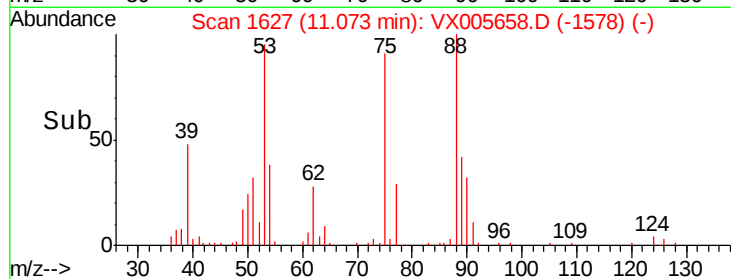
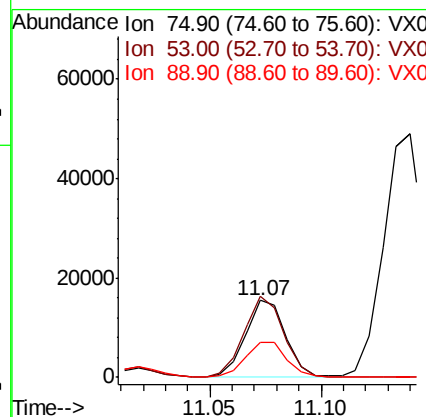
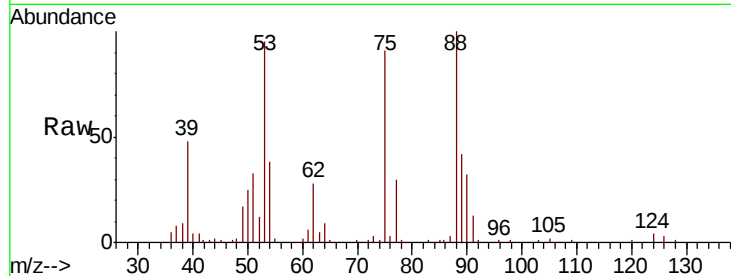
#81
trans-1,4-Dichloro-2-butene
Concen: 18.799 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	80.2	120.2
89	48.4	39.8	59.8

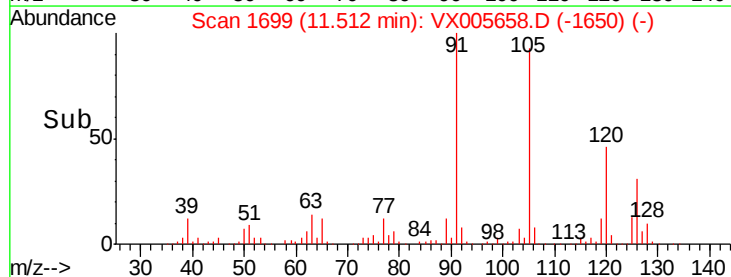
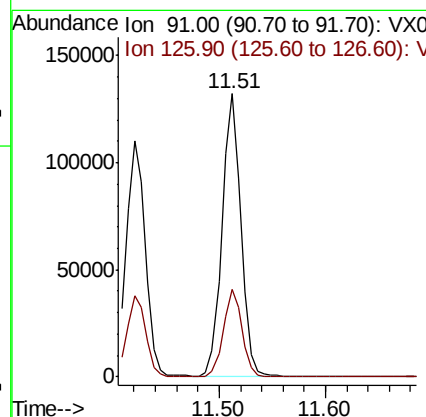
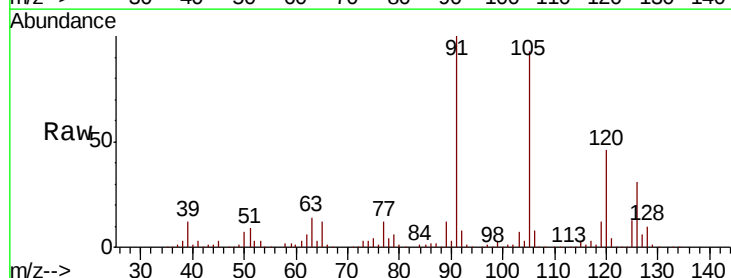
Manual Integrations
APPROVED

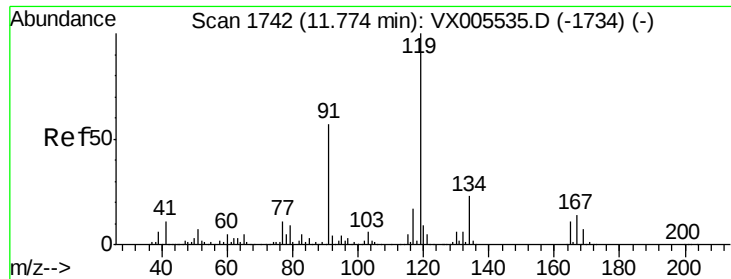
MMDadoda
10/30/2018 10:50:49 AM



#82
4-Chlorotoluene
Concen: 19.868 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.2	45.6





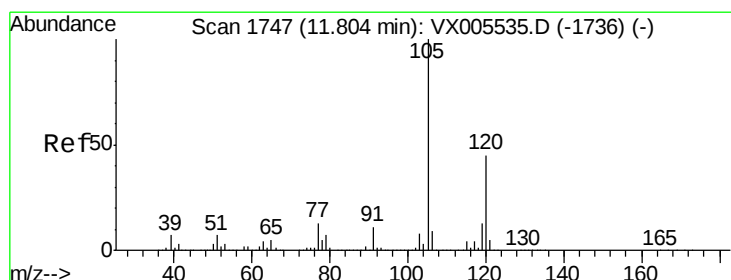
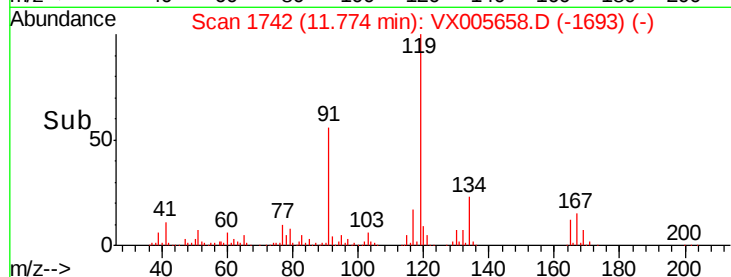
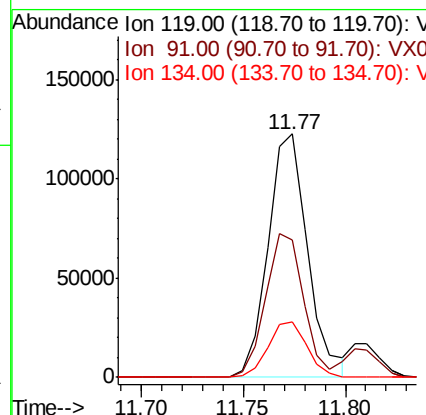
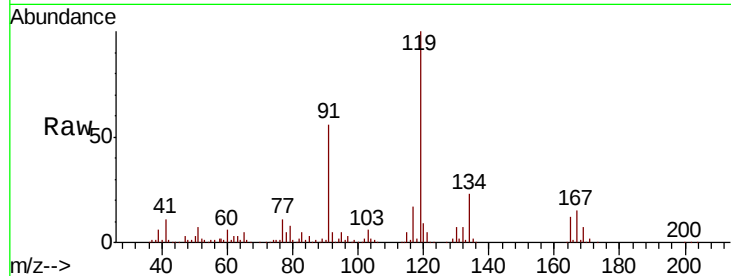
#83
tert-Butylbenzene
Concen: 19.904 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166094		
91	56.8	28.5	85.5	
134	22.5	11.3	33.8	

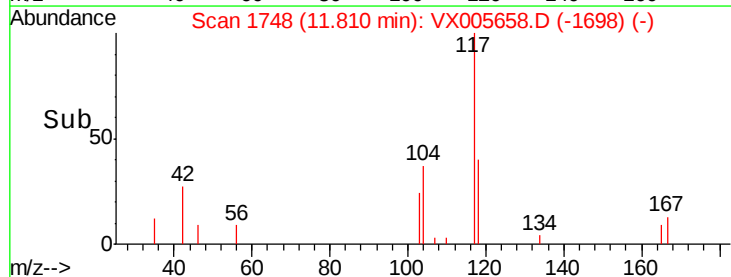
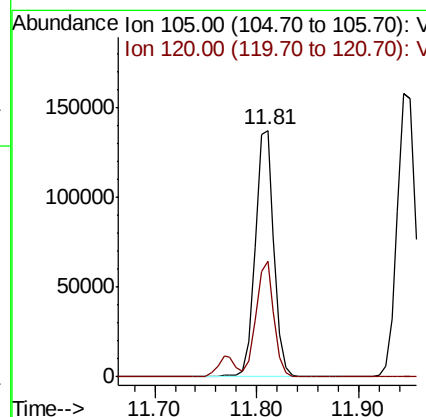
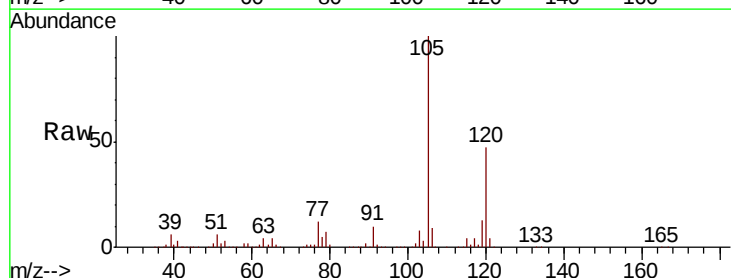
Manual Integrations
APPROVED

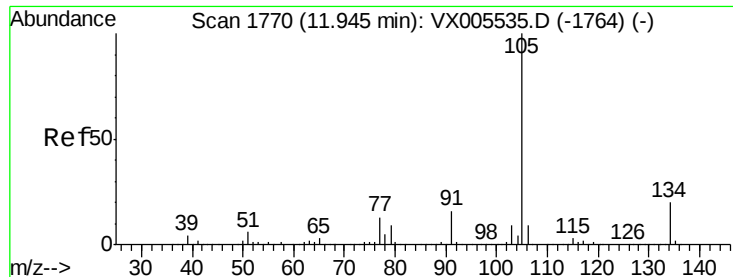
MMDadoda
10/30/2018 10:50:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.718 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	175782		
120	44.8	22.4	67.0	





#85

sec-Butylbenzene

Concen: 20.148 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tot Ion:105 Resp: 200627

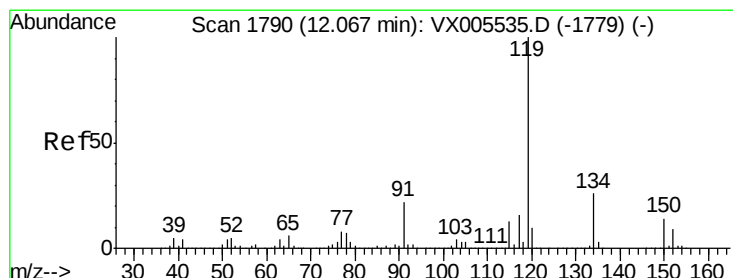
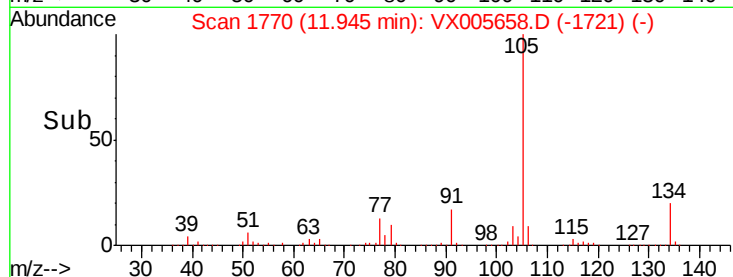
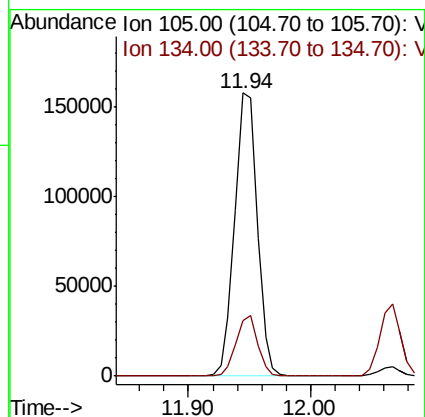
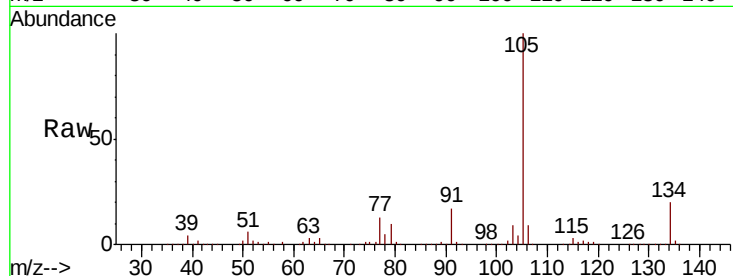
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.4

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#86

p-Isopropyltoluene

Concen: 20.304 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

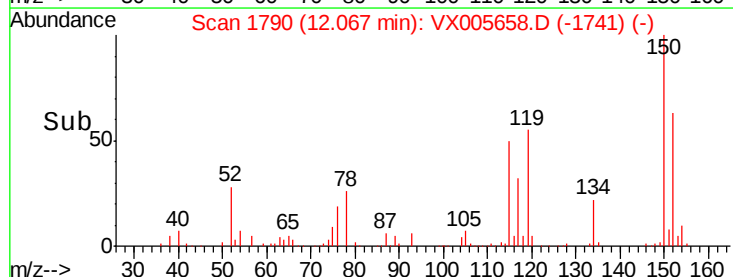
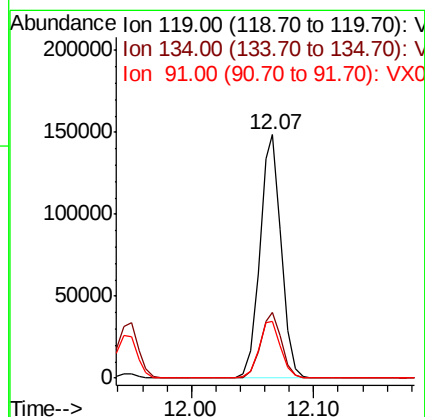
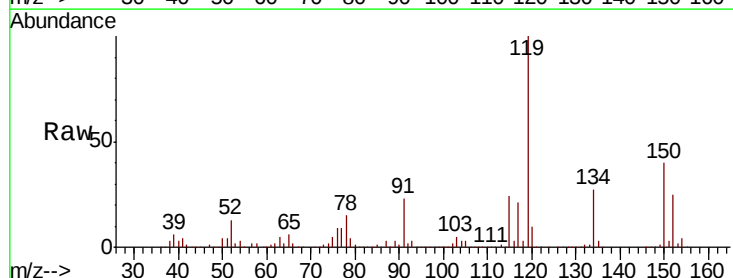
Tgt Ion:119 Resp: 180736

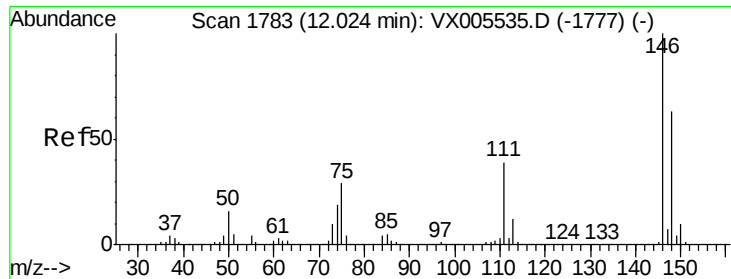
Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 23.9 11.4 34.2





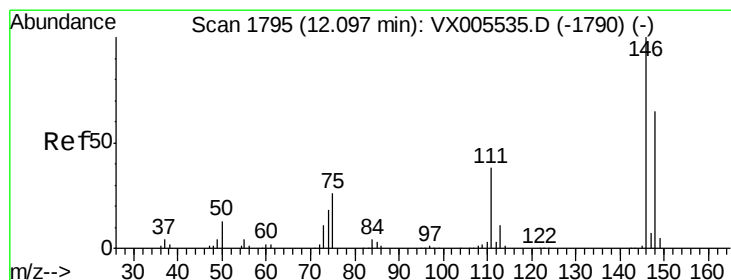
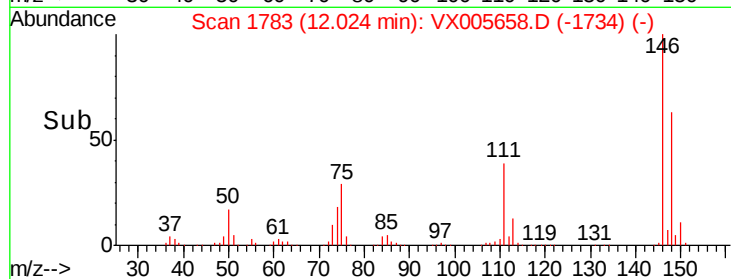
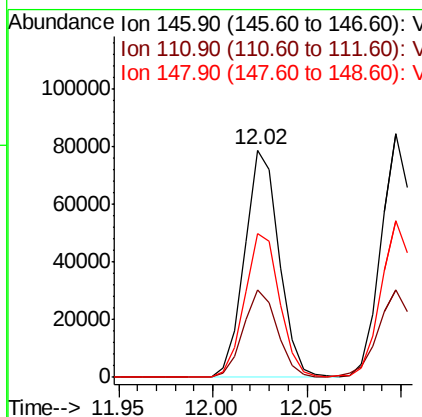
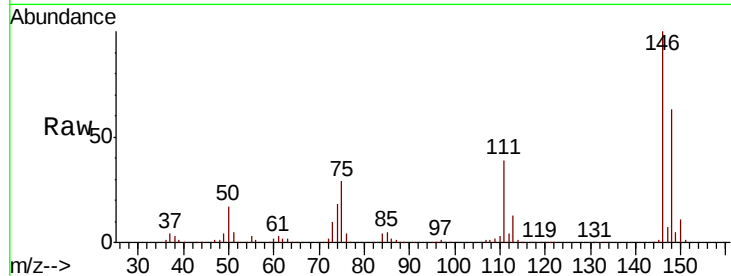
#87
 1,3-Dichlorobenzene
 Concen: 19.452 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.2	31.9	95.9

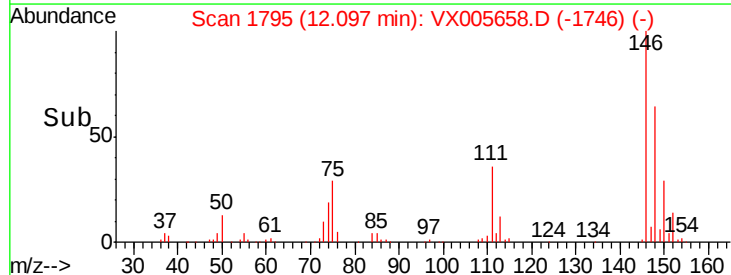
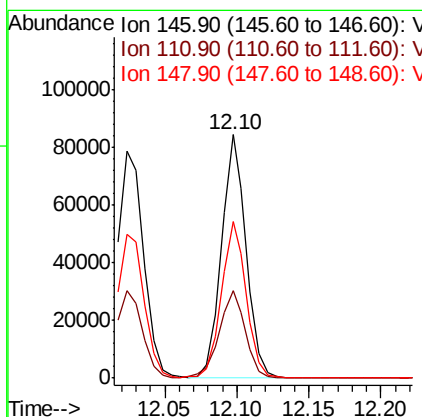
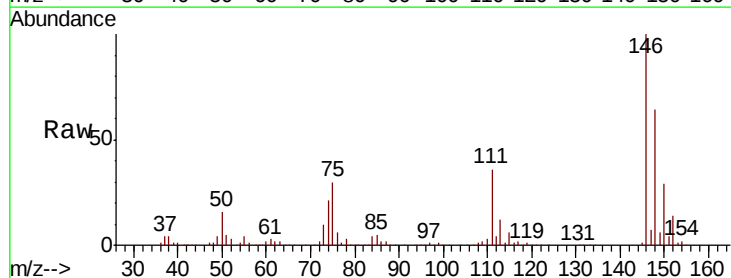
Manual Integrations
 APPROVED

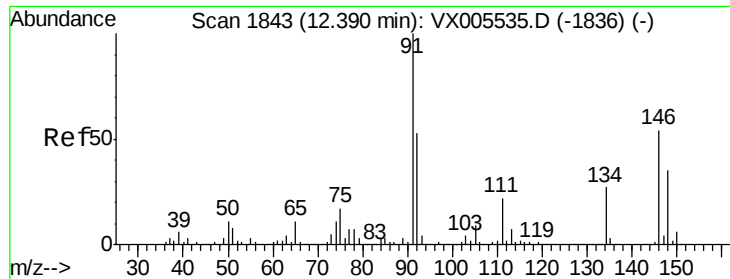
MMDadoda
 10/30/2018 10:50:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.850 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	65.0	32.1	96.3





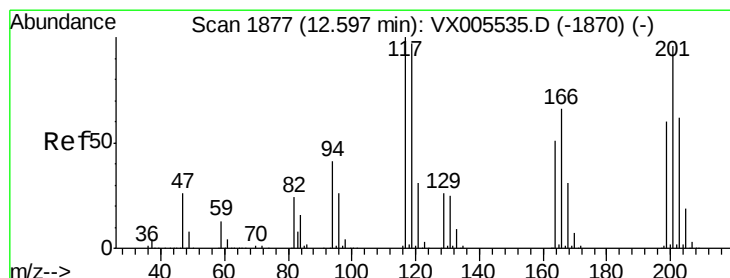
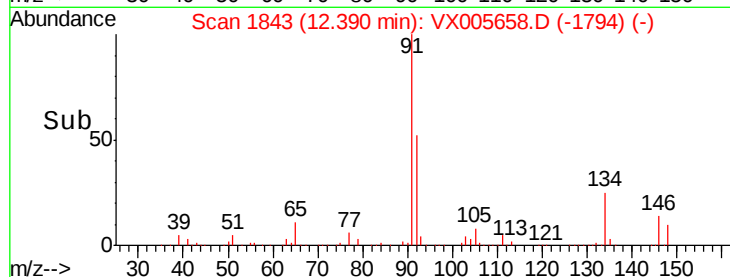
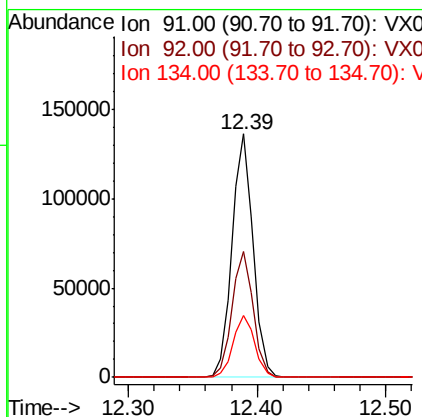
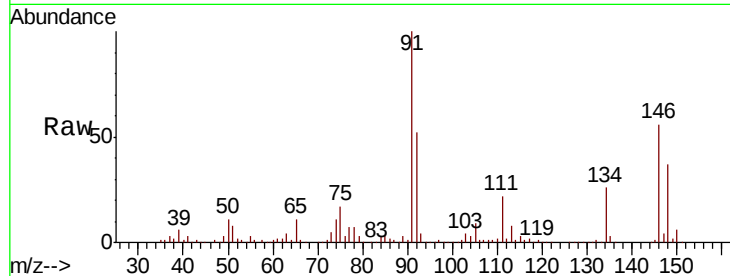
#89
n-Butylbenzene
Concen: 19.487 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	26.0	13.1	39.3

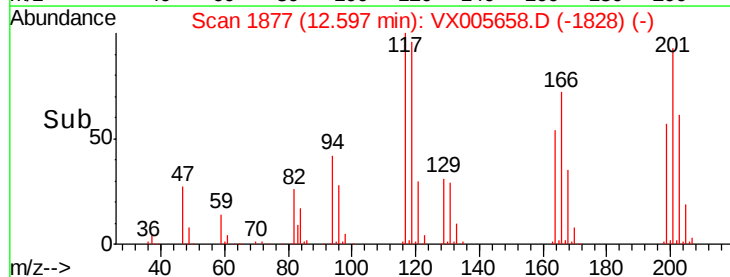
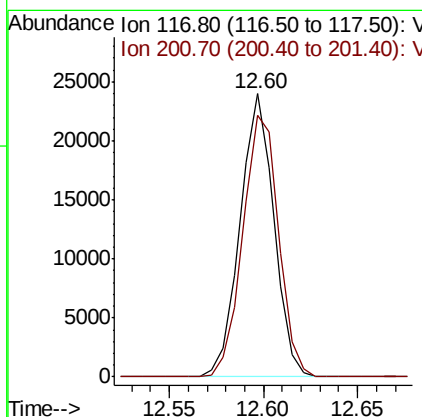
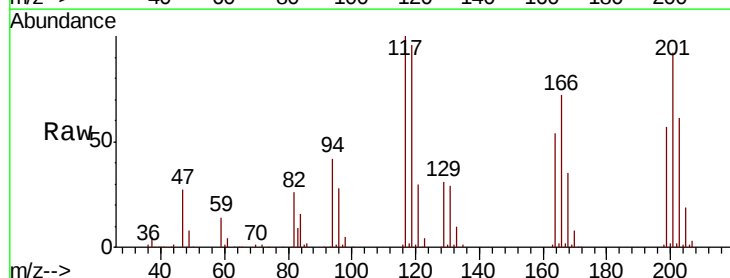
Manual Integrations
APPROVED

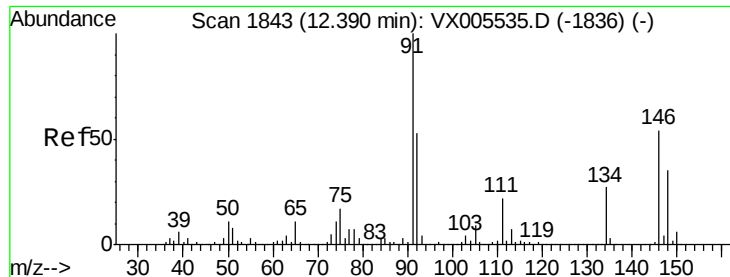
MMDadoda
10/30/2018 10:50:49 AM



#90
Hexachloroethane
Concen: 19.390 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005658.D
Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	47.9	143.6





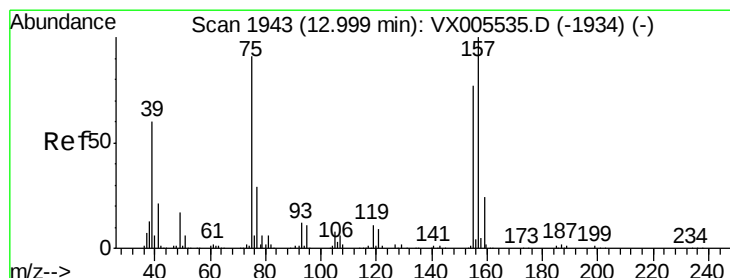
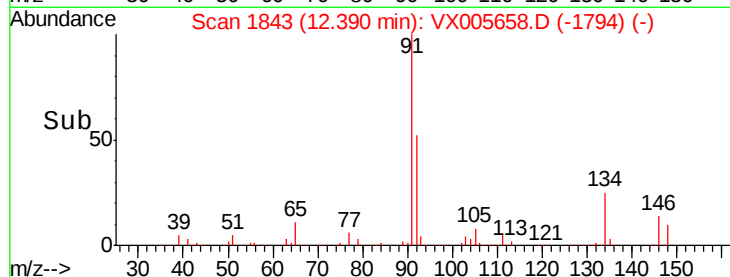
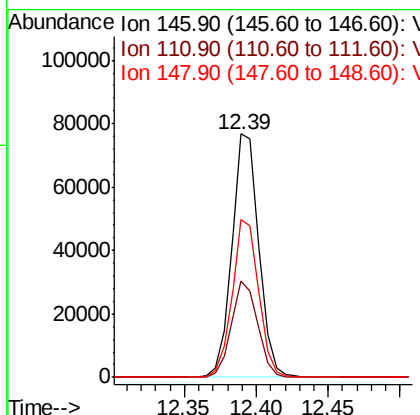
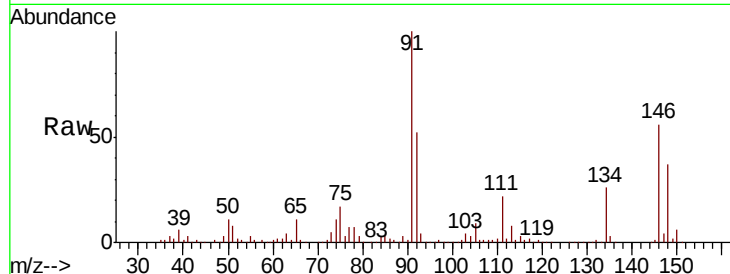
#91
 1,2-Dichlorobenzene
 Concen: 19.386 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100593		
111	38.9	20.0	59.9	
148	63.8	32.2	96.6	

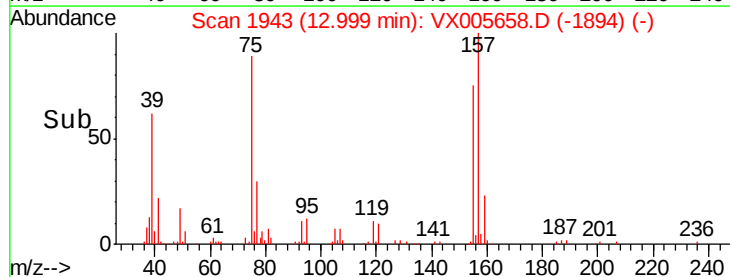
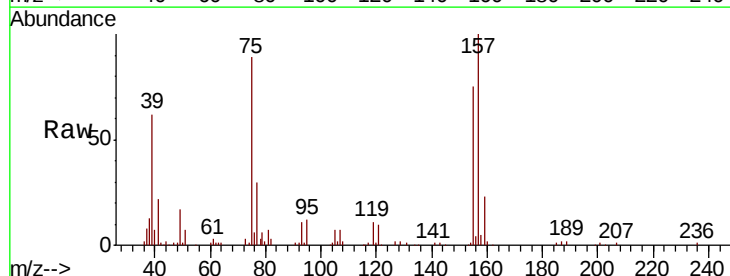
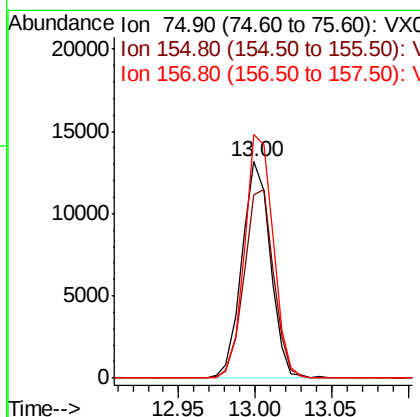
Manual Integrations
 APPROVED

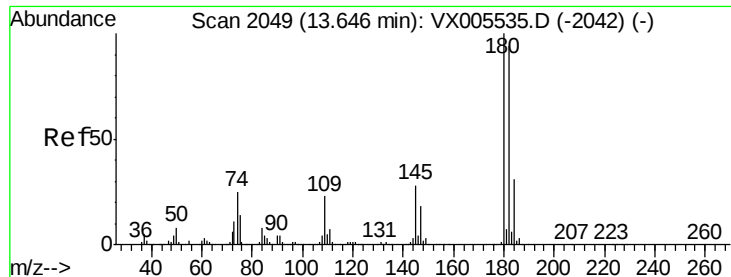
MMDadoda
 10/30/2018 10:50:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.425 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16957		
155	90.3	45.4	136.1	
157	113.1	57.4	172.0	





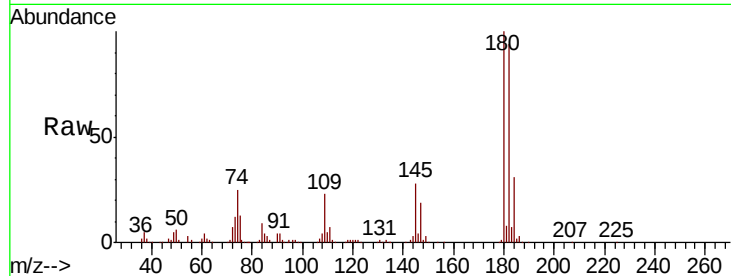
#93
 1,2,4-Trichlorobenzene
 Concen: 19.309 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	28.8	14.1	42.2

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 10:50:49 AM

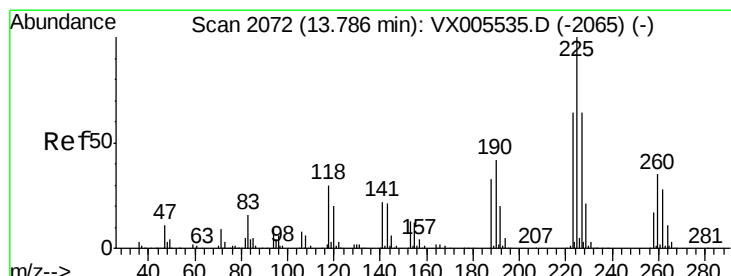
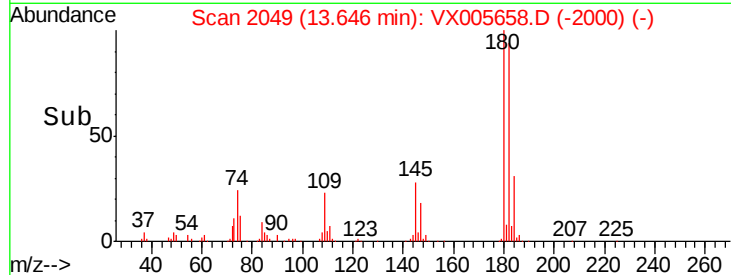
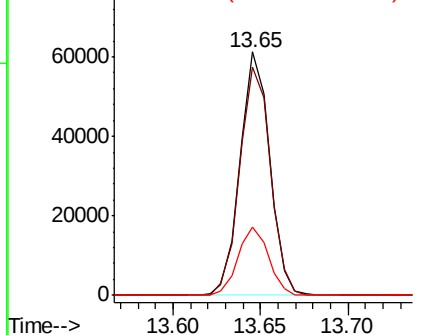


Abundance

Ion 179.80 (179.50 to 180.50): V

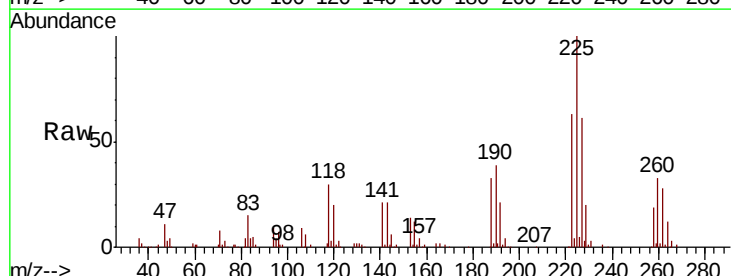
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.924 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005658.D
 Acq: 29 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	63.8	32.3	96.9

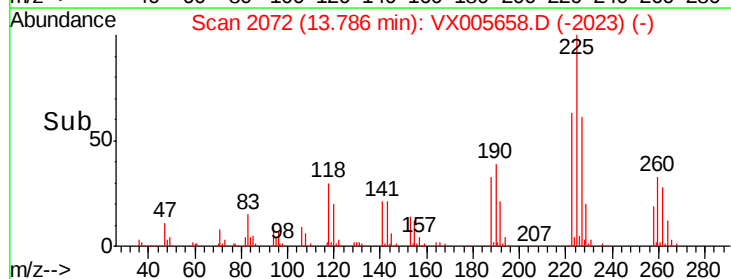
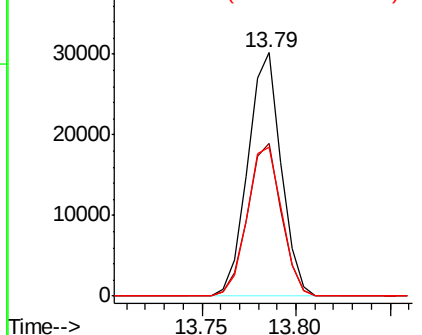


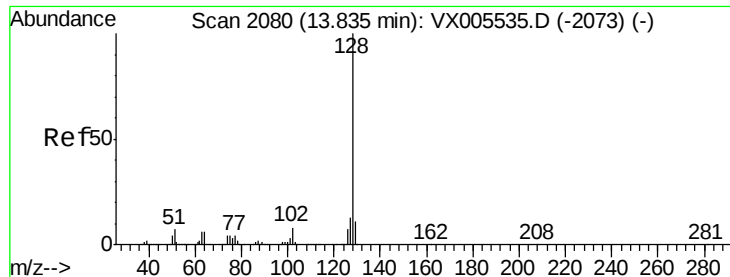
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.048 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Instrument :

MSVOA_X

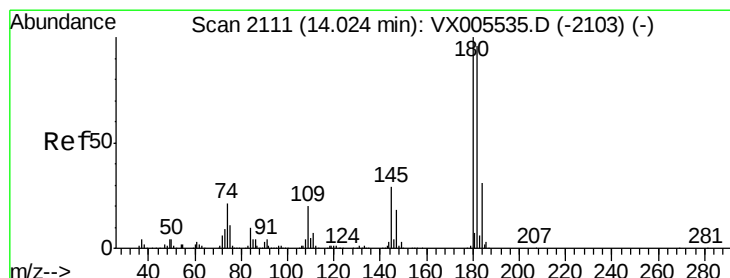
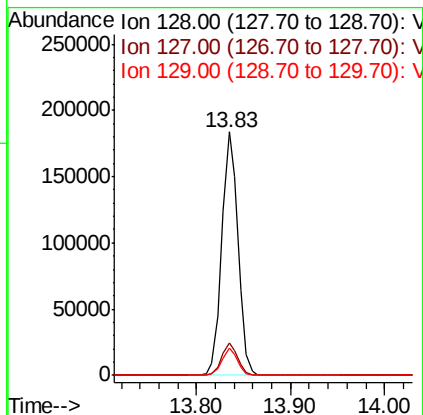
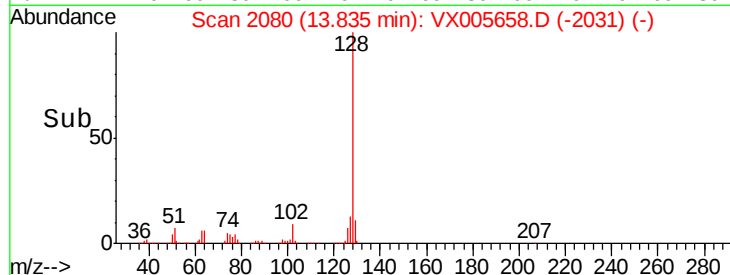
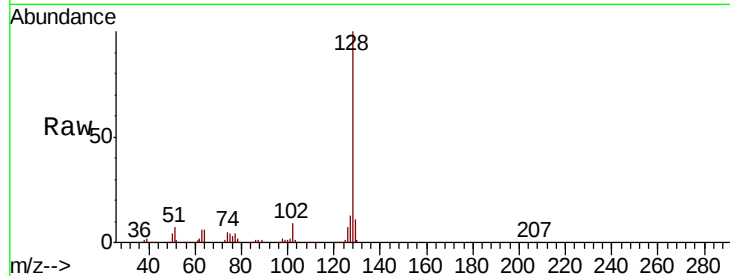
ClientSampleId :

VX1029WBSD01

Tot Ion:	128	Resp:	219199
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.680 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005658.D

Acq: 29 Oct 2018 14:17

Tgt Ion:	180	Resp:	75036
Ion Ratio		Lower	Upper
180	100		
182	94.7	48.0	144.2
145	30.3	15.1	45.3

