

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002277.D
 Acq On : 04 Jun 2018 23:39
 Operator : JC/MD
 Sample : VX0604WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:09 PM

Quant Time: Jun 05 08:23:21 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	389446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	191773	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	5.51	113	142954	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.72	98	559648	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.14	95	204973	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58252	21.408	ug/l	99
3) Chloromethane	1.32	50	71335	21.227	ug/l	97
4) Vinyl Chloride	1.41	62	73737	21.502	ug/l	98
5) Bromomethane	1.64	94	48478	23.190	ug/l	97
6) Chloroethane	1.73	64	46270	20.858	ug/l	99
7) Trichlorofluoromethane	1.93	101	118375	22.655	ug/l	97
8) Diethyl Ether	2.19	74	42676	21.624	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64108	22.736	ug/l	99
10) Methyl Iodide	2.51	142	75264	18.977	ug/l	98
11) Tert butyl alcohol	3.07	59	94262	111.945	ug/l	99
12) 1,1-Dichloroethene	2.38	96	58989	21.169	ug/l	96
13) Acrolein	2.30	56	43610	111.950	ug/l	99
14) Allyl chloride	2.73	41	119106	19.696	ug/l	99
15) Acrylonitrile	3.15	53	186836	111.930	ug/l	99
16) Acetone	2.45	43	174387	96.560	ug/l	99
17) Carbon Disulfide	2.57	76	137350	18.701	ug/l	100
18) Methyl Acetate	2.78	43	89155	22.279	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	225039	21.845	ug/l	100
20) Methylene Chloride	2.86	84	69326	21.869	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	63819	20.768	ug/l	98
22) Diisopropyl ether	3.88	45	212985	20.196	ug/l	98
23) Vinyl Acetate	3.83	43	910771	92.904	ug/l	100
24) 1,1-Dichloroethane	3.70	63	110624	18.508	ug/l	99
25) 2-Butanone	4.71	43	248880	96.971	ug/l	100
26) 2,2-Dichloropropane	4.59	77	76014	16.270	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	66066	19.769	ug/l	99
28) Bromochloromethane	5.03	49	58048	20.753	ug/l	100
29) Tetrahydrofuran	5.17	42	162119	97.972	ug/l	99
30) Chloroform	5.22	83	115149	19.965	ug/l	98
31) Cyclohexane	5.58	56	99483	21.049	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	98740	20.187	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80415	19.641	ug/l	99
37) Ethyl Acetate	4.87	43	98076	19.919	ug/l	100
38) Carbon Tetrachloride	5.79	117	83357	19.462	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002277.D
 Acq On : 04 Jun 2018 23:39
 Operator : JC/MD
 Sample : VX0604WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:09 PM

Quant Time: Jun 05 08:23:21 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97588	19.454	ug/l	95
40) Benzene	6.15	78	250789	19.978	ug/l	100
41) Methacrylonitrile	5.06	41	54487	19.331	ug/l	98
42) 1,2-Dichloroethane	6.20	62	99630	19.976	ug/l	100
43) Isopropyl Acetate	6.47	43	160850	19.234	ug/l	100
44) Trichloroethene	7.22	130	70900	20.350	ug/l	94
45) 1,2-Dichloropropane	7.52	63	66774	19.703	ug/l	99
46) Dibromomethane	7.67	93	45041	19.605	ug/l	99
47) Bromodichloromethane	7.90	83	79264	19.076	ug/l	99
48) Methyl methacrylate	7.78	41	81721	19.454	ug/l	99
49) 1,4-Dioxane	7.76	88	32113	408.848	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	517509	99.368	ug/l	100
52) Toluene	8.79	92	161892	20.277	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	92976	18.659	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	83857	17.838	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	65045	19.808	ug/l	99
56) Ethyl methacrylate	9.18	69	100403	19.151	ug/l	100
57) 1,3-Dichloropropane	9.38	76	110406	20.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243559	100.373	ug/l	99
59) 2-Hexanone	9.50	43	395383	98.288	ug/l	99
60) Dibromochloromethane	9.59	129	60873	18.429	ug/l	97
61) 1,2-Dibromoethane	9.68	107	68466	19.996	ug/l	99
64) Tetrachloroethene	9.34	164	80181	20.794	ug/l	98
65) Chlorobenzene	10.14	112	184918	19.876	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	64211	19.061	ug/l	99
67) Ethyl Benzene	10.26	91	316970	20.358	ug/l	99
68) m/p-Xylenes	10.37	106	244263	40.359	ug/l	99
69) o-Xylene	10.70	106	121208	20.124	ug/l	98
70) Styrene	10.72	104	194823	19.787	ug/l	98
71) Bromoform	10.86	173	45072	17.364	ug/l #	99
73) Isopropylbenzene	11.02	105	323551	20.648	ug/l	99
74) N-amyl acetate	6.47	43	160850	19.050	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	94603	19.196	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	94412m	19.101	ug/l	
77) Bromobenzene	11.26	156	87823	19.964	ug/l	98
78) n-propylbenzene	11.37	91	363891	20.893	ug/l	100
79) 2-Chlorotoluene	11.43	91	220085	20.013	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	273027	20.314	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	22034	15.627	ug/l	90
82) 4-Chlorotoluene	11.51	91	255696	20.144	ug/l	99
83) tert-Butylbenzene	11.77	119	267188	20.415	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	279269	20.185	ug/l	99
85) sec-Butylbenzene	11.95	105	325645	21.224	ug/l	99
86) p-Isopropyltoluene	12.07	119	287170	20.548	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	156012	19.834	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	156913	19.354	ug/l	100
89) n-Butylbenzene	12.39	91	237869	20.294	ug/l	100
90) Hexachloroethane	12.60	117	39774	17.828	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	161216	19.810	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20479	19.002	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
Data File : VX002277.D
Acq On : 04 Jun 2018 23:39
Operator : JC/MD
Sample : VX0604WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

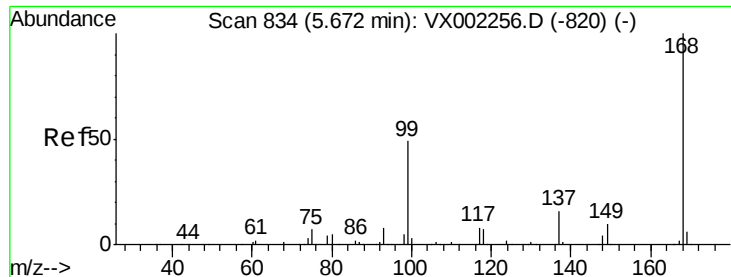
Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM

Quant Time: Jun 05 08:23:21 2018
Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112575	19.728	ug/l	99
94) Hexachlorobutadiene	13.79	225	57818	20.504	ug/l	99
95) Naphthalene	13.84	128	331028	20.190	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116703	20.053	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS02

Tot Ion:168 Resp: 261758

Ion Ratio Lower Upper

168 100

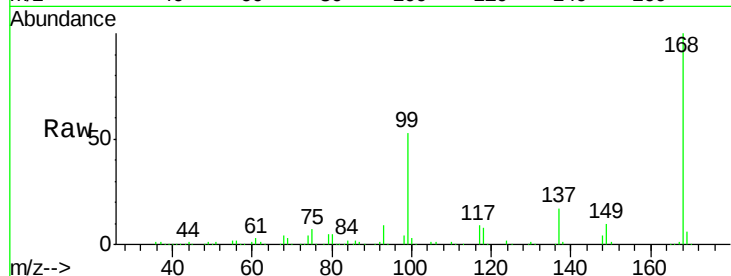
99 52.3 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

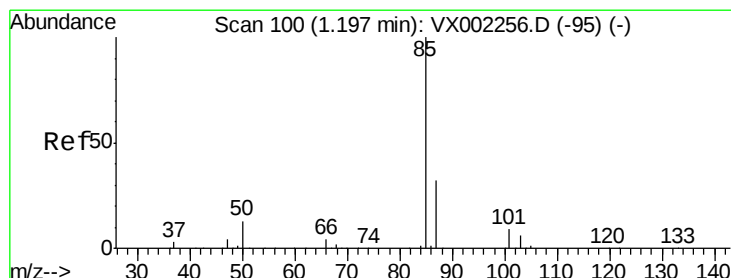
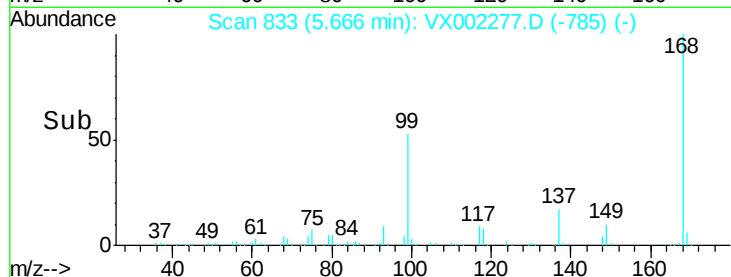
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.408 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002277.D

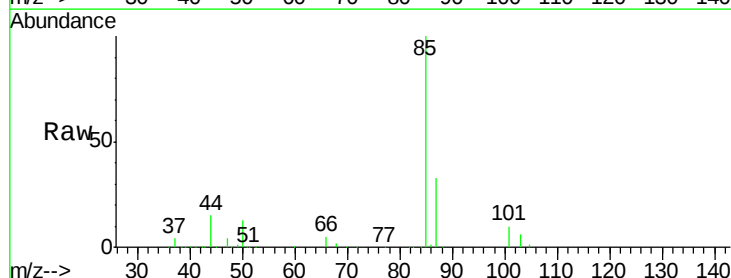
Acq: 04 Jun 2018 23:39

Tgt Ion: 85 Resp: 58252

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

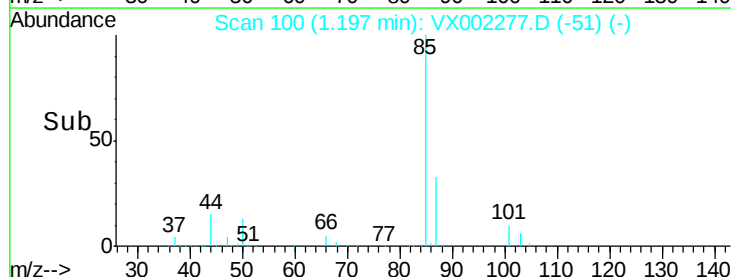
60000

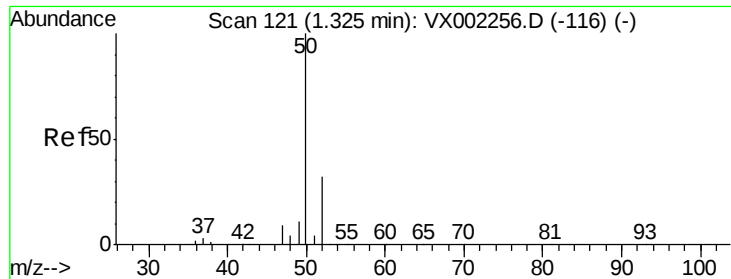
40000

20000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 21.227 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 50 Resp: 71335

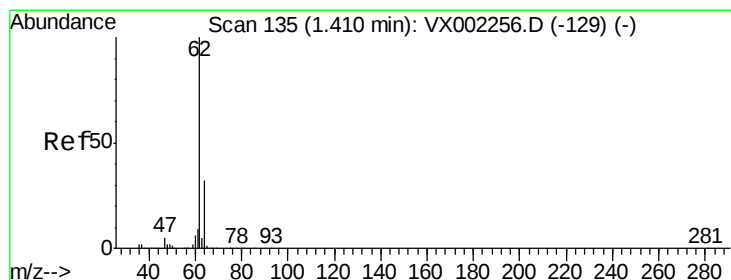
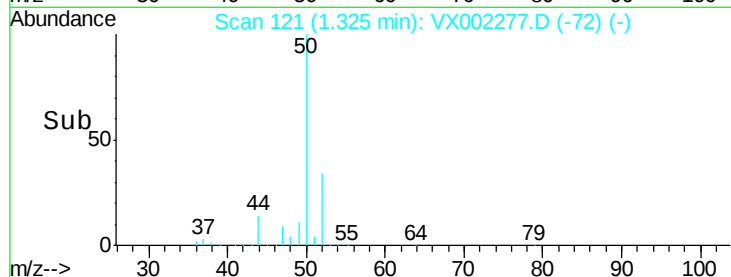
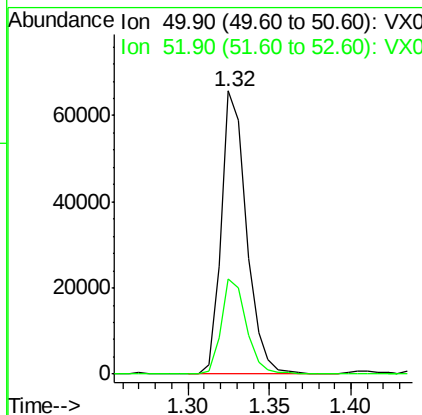
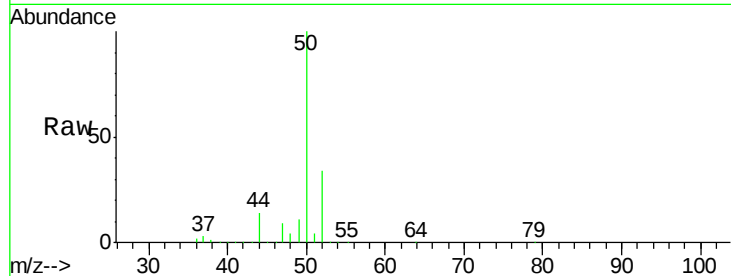
Ion Ratio Lower Upper

50 100

52 33.8 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#4

Vinyl Chloride

Concen: 21.502 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002277.D

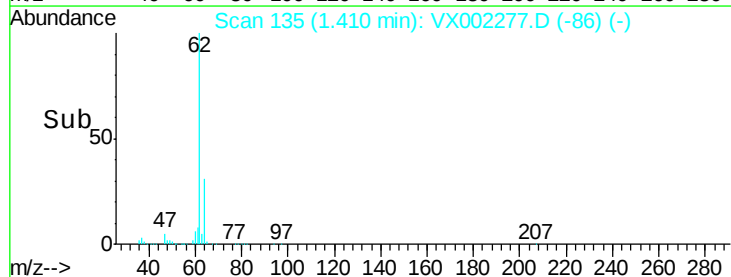
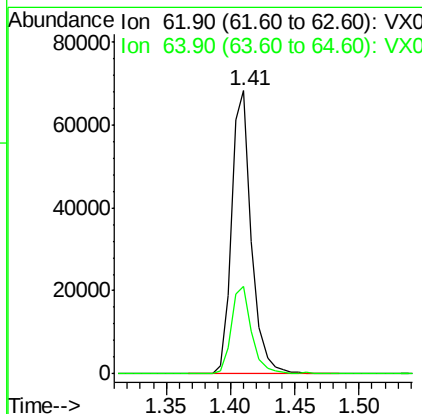
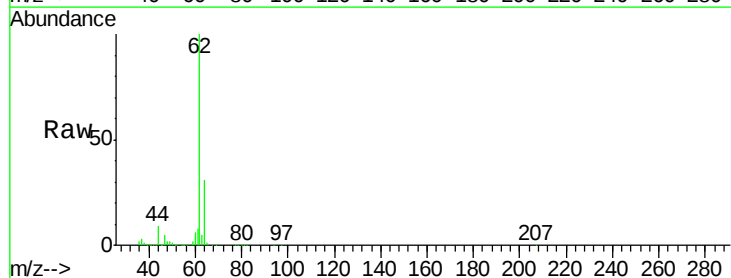
Acq: 04 Jun 2018 23:39

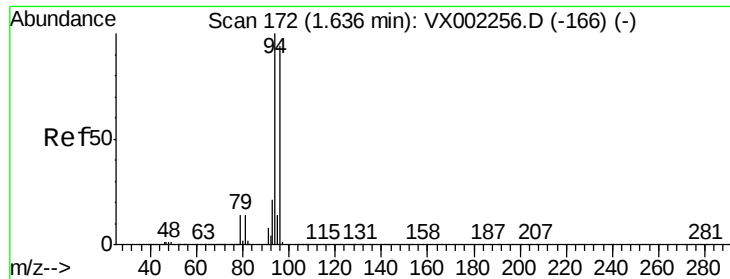
Tgt Ion: 62 Resp: 73737

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.2





#5

Bromomethane

Concen: 23.190 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 94 Resp: 48478

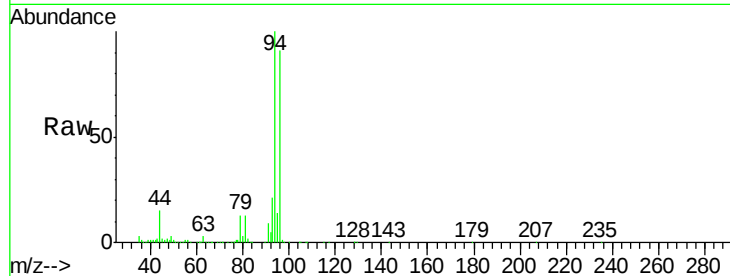
Ion Ratio Lower Upper

94 100

96 91.0 74.9 112.3

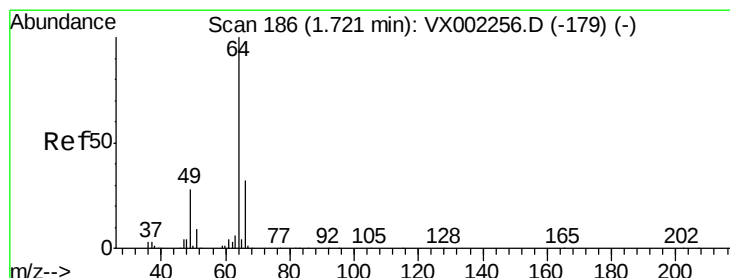
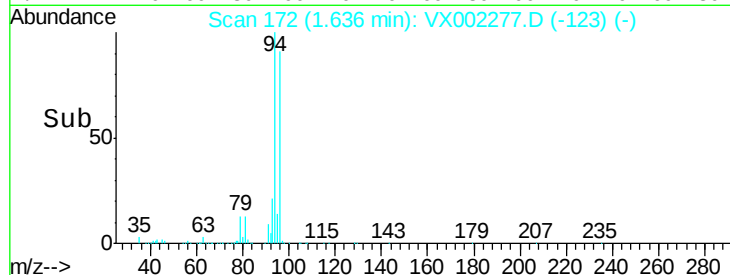
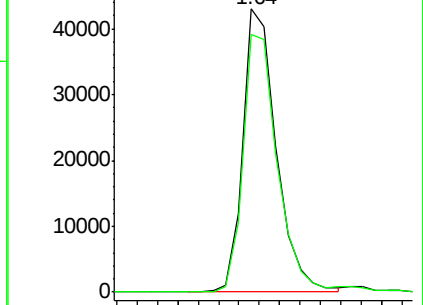
Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.858 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002277.D

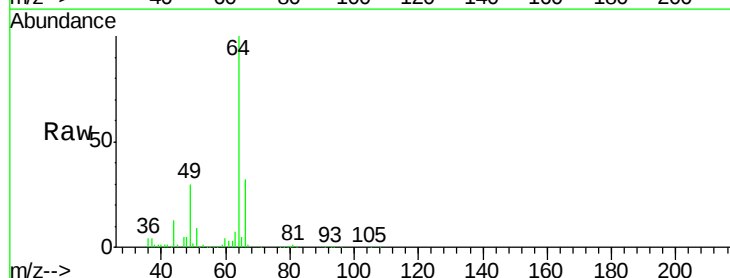
Acq: 04 Jun 2018 23:39

Tgt Ion: 64 Resp: 46270

Ion Ratio Lower Upper

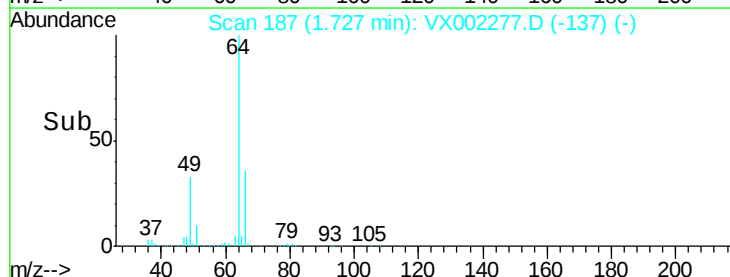
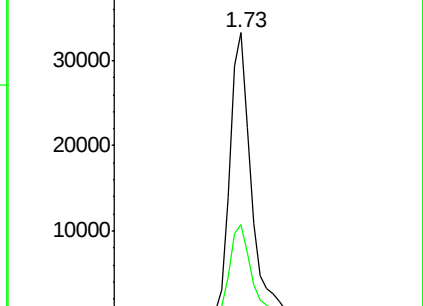
64 100

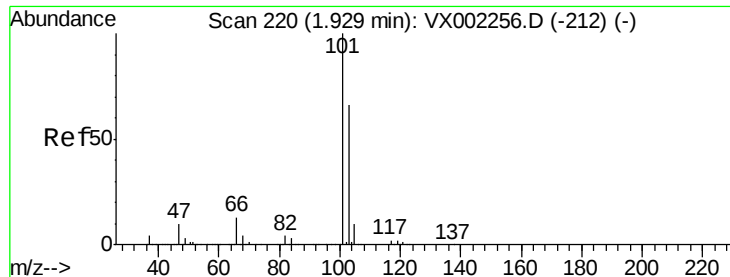
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

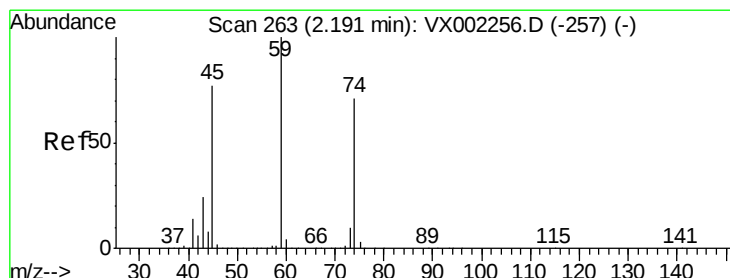
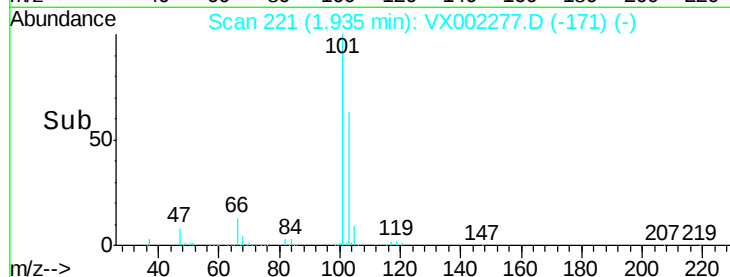
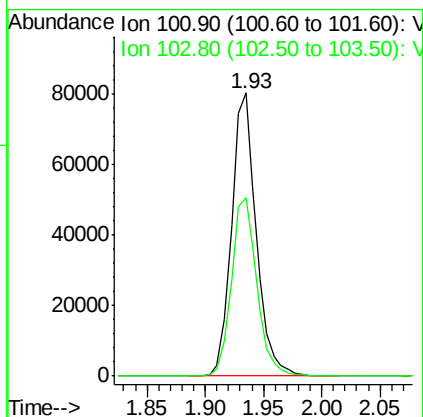
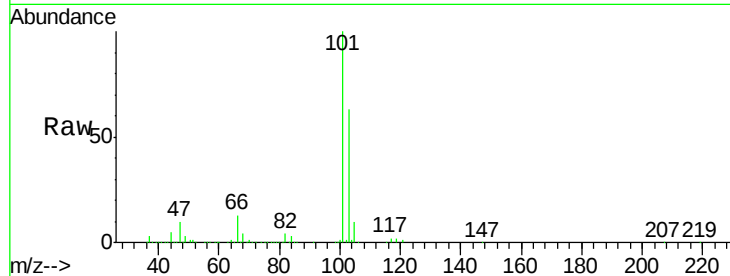
Trichlorofluoromethane
 Concen: 22.655 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.8	79.2

Manual Integrations
 APPROVED

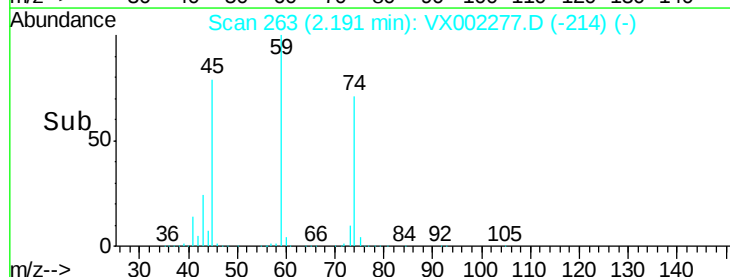
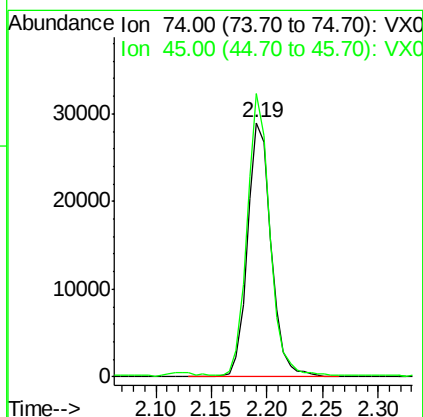
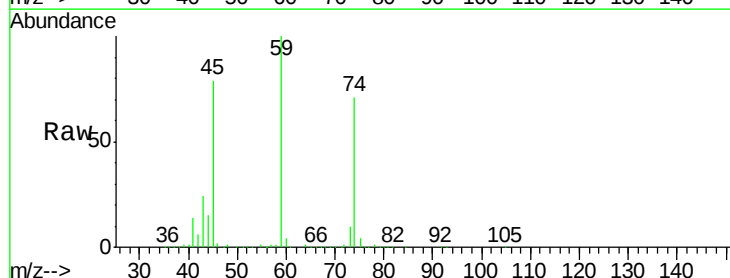
MMDadoda
 6/5/2018 5:56:09 PM

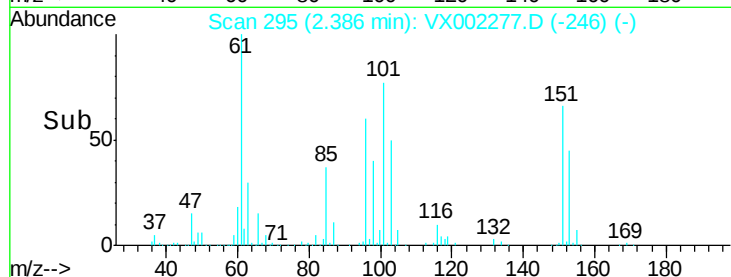
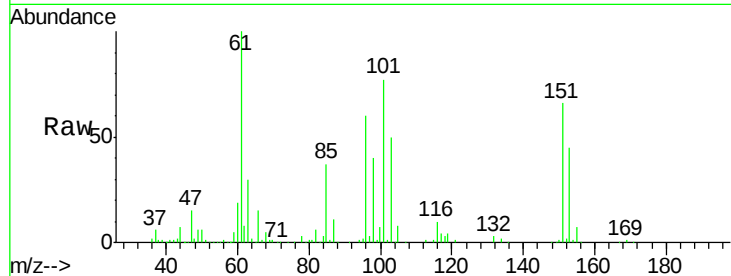
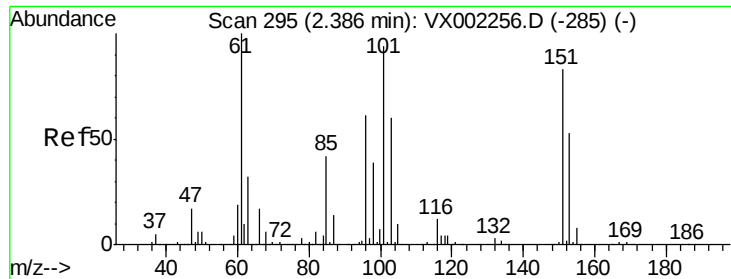


#8

Diethyl Ether
 Concen: 21.624 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.736 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion:101 Resp: 64108

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

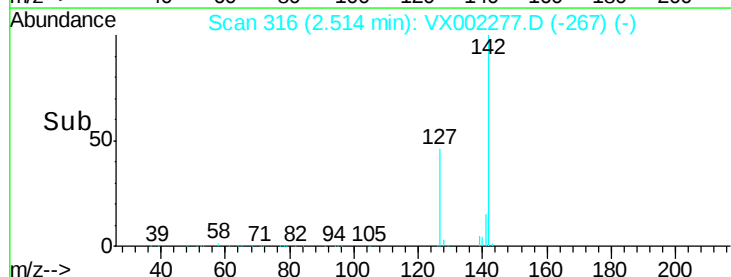
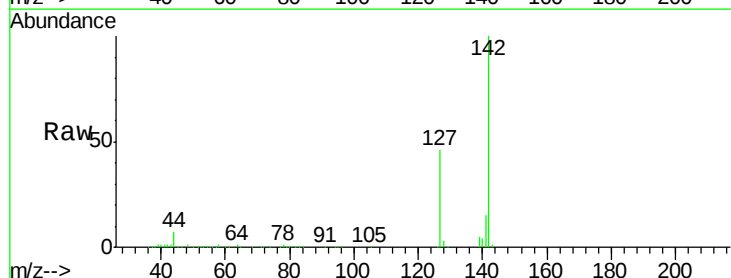
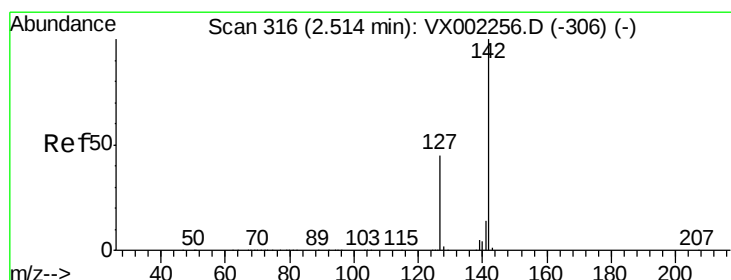
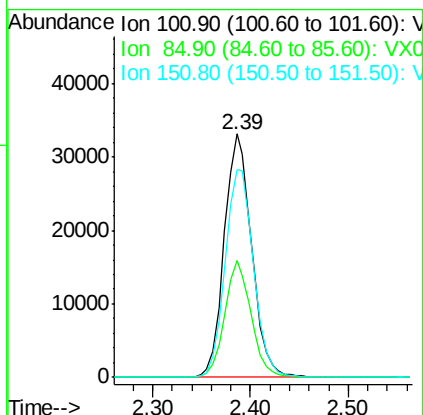
151 88.9 70.9 106.3

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:09 PM



#10

Methyl Iodide

Concen: 18.977 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

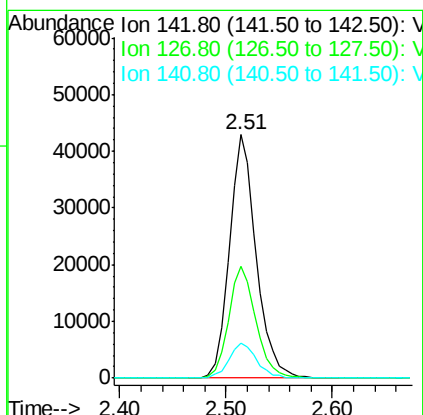
Tgt Ion:142 Resp: 75264

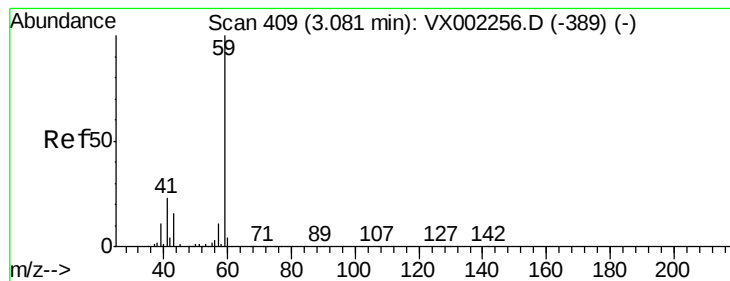
Ion Ratio Lower Upper

142 100

127 46.7 36.6 55.0

141 15.0 11.3 16.9





#11

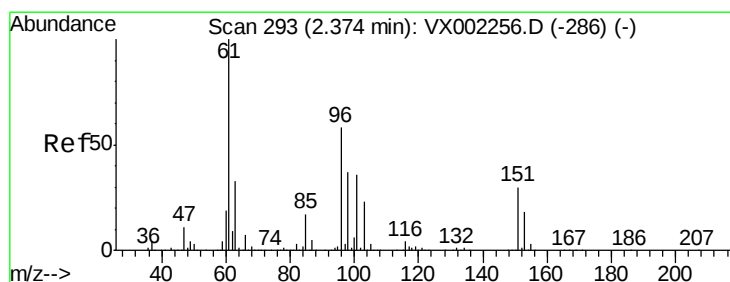
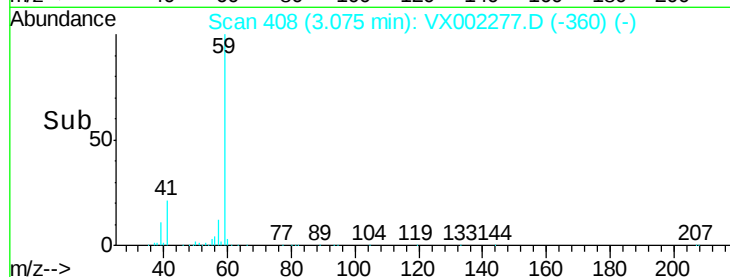
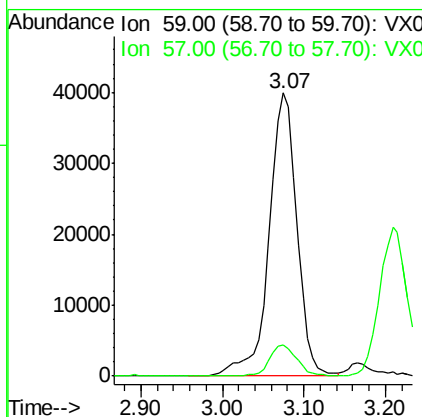
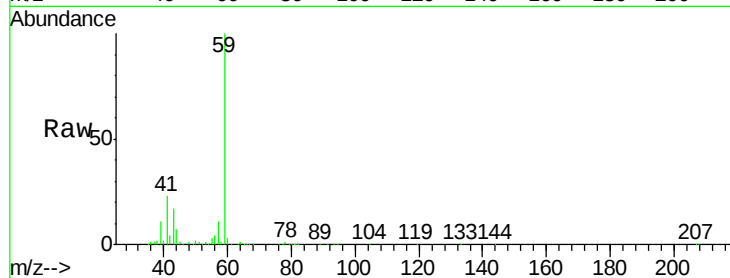
Tert butyl alcohol
Concen: 111.945 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	59	Resp	94262
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.2

Manual Integrations
APPROVED

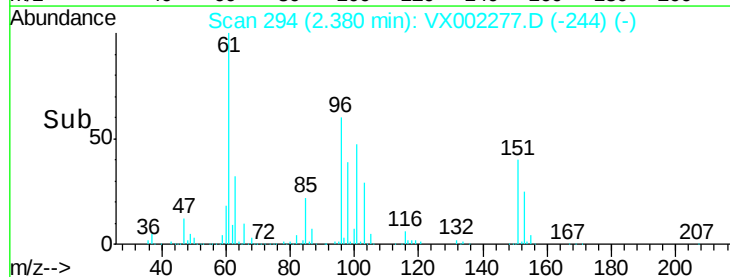
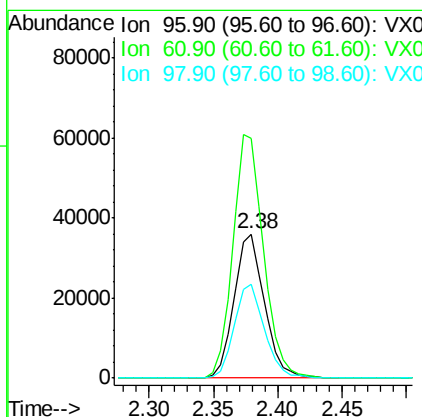
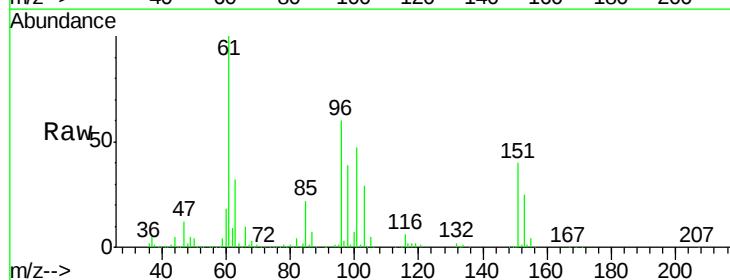
MMDadoda
6/5/2018 5:56:09 PM

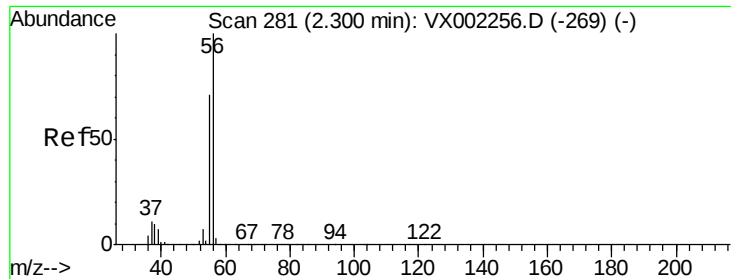


#12

1,1-Dichloroethene
Concen: 21.169 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	96	Resp	58989
Ion Ratio	100	Lower	Upper
61	165.9	137.9	206.9
98	65.0	51.6	77.4





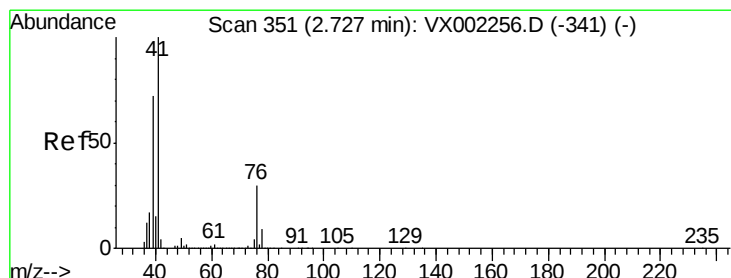
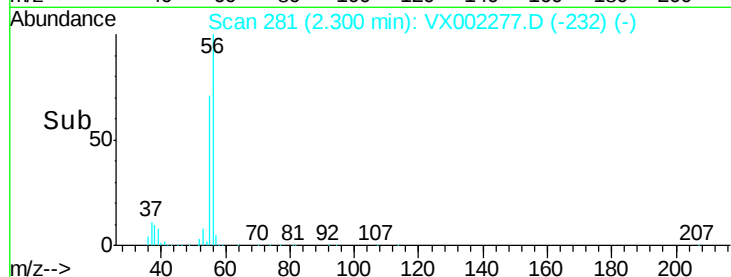
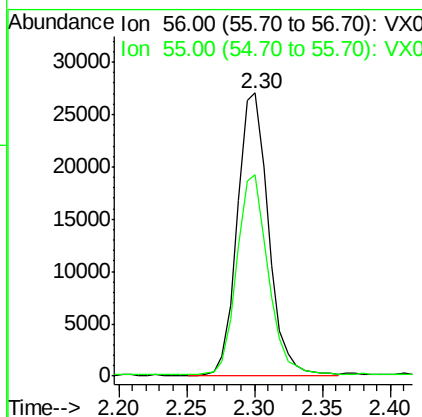
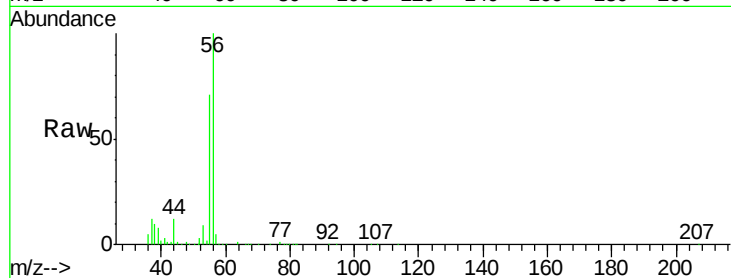
#13
Acrolein
Concen: 111.950 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	56	Resp	43610
Ion Ratio	100	Lower	Upper
55	70.4	57.0	85.4

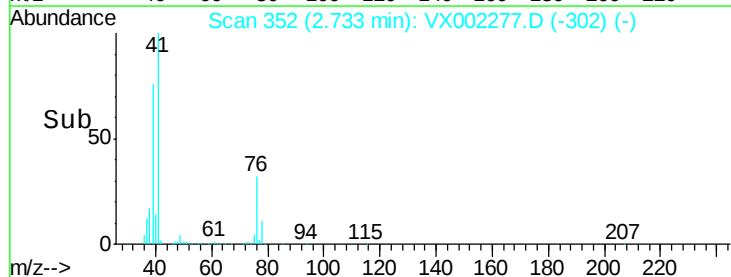
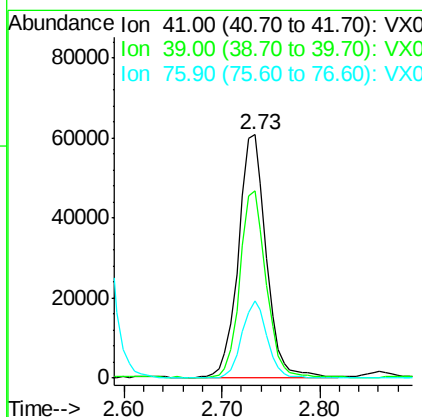
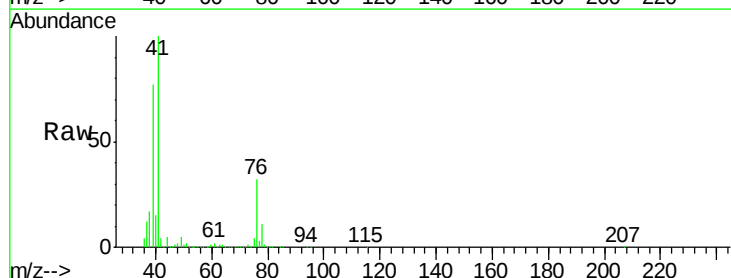
Manual Integrations
APPROVED

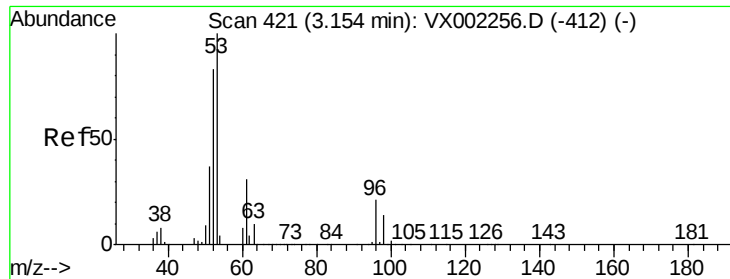
MMDadoda
6/5/2018 5:56:09 PM



#14
Allyl chloride
Concen: 19.696 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	41	Resp	119106
Ion Ratio	100	Lower	Upper
39	72.2	56.8	85.2
76	29.0	23.8	35.8





#15

Acrylonitrile

Concen: 111.930 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

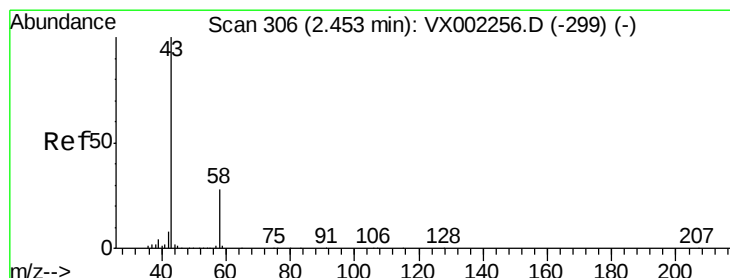
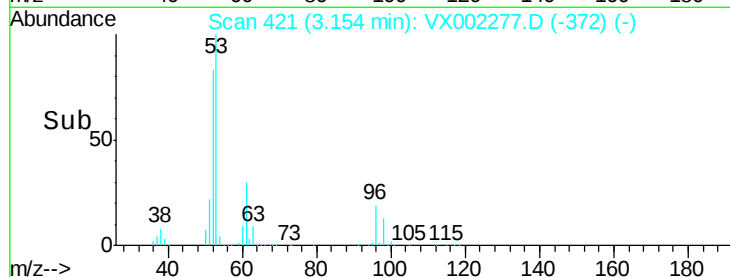
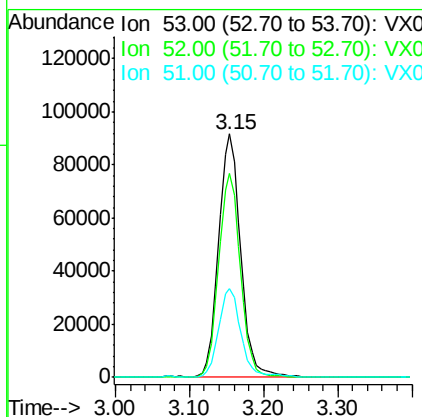
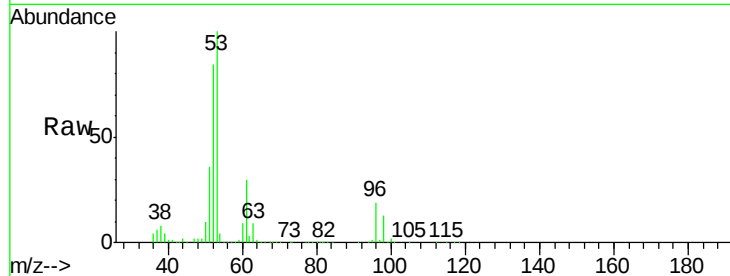
ClientSampleId :

VX0604WBS02

Tot Ion:	53	Resp:	186836
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	36.7	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#16

Acetone

Concen: 96.560 ug/l

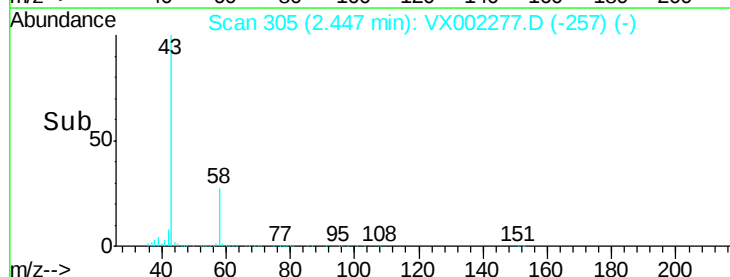
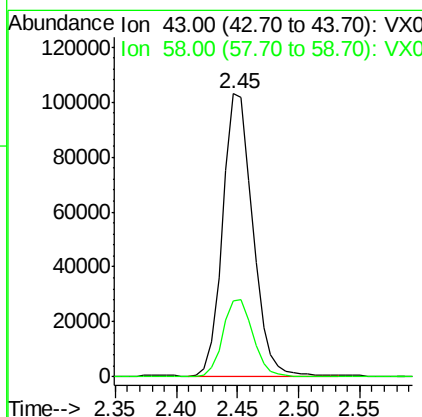
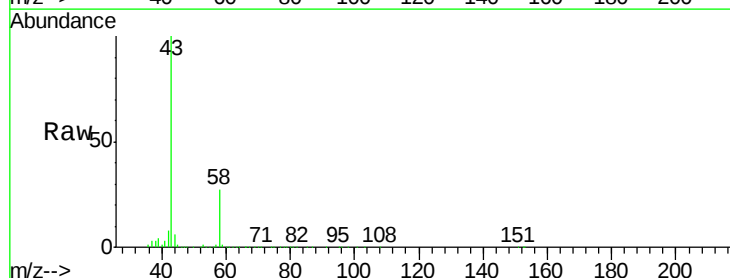
RT: 2.45 min Scan# 305

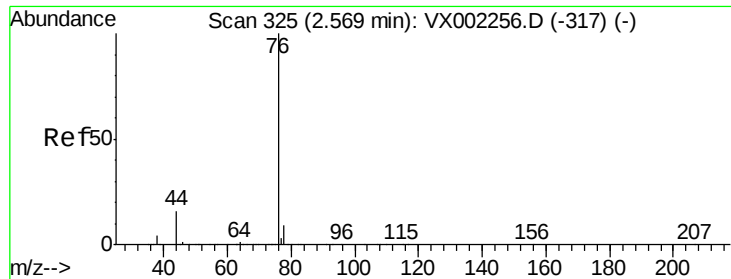
Delta R.T. -0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion:	43	Resp:	174387
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.1	33.1





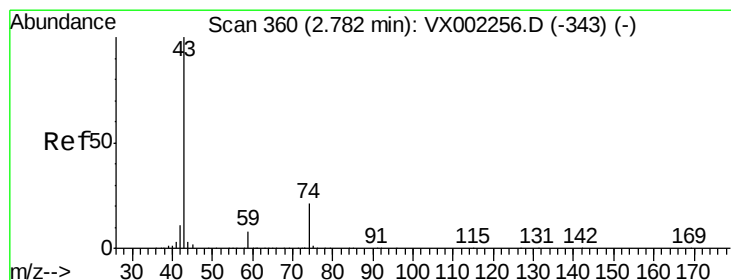
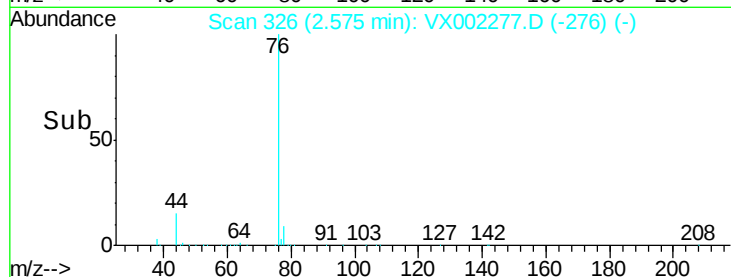
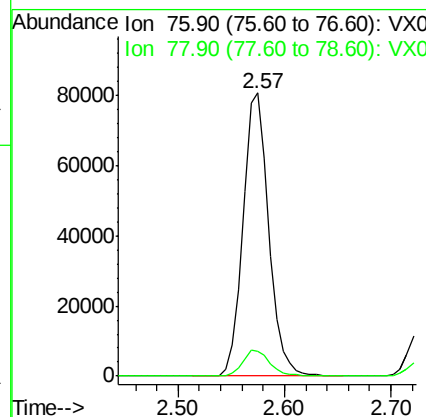
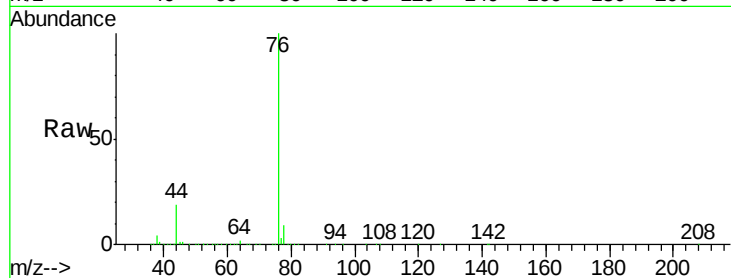
#17
Carbon Disulfide
Concen: 18.701 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	137350		
78	8.7		6.9	10.3

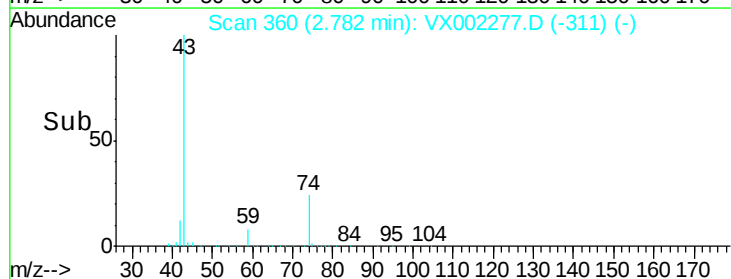
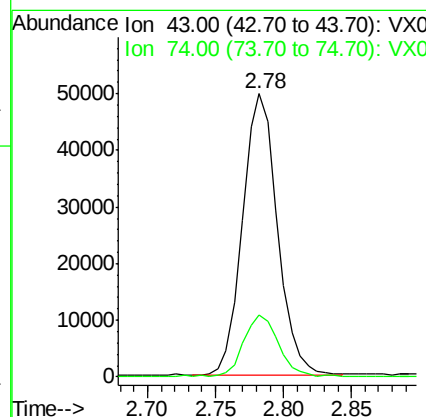
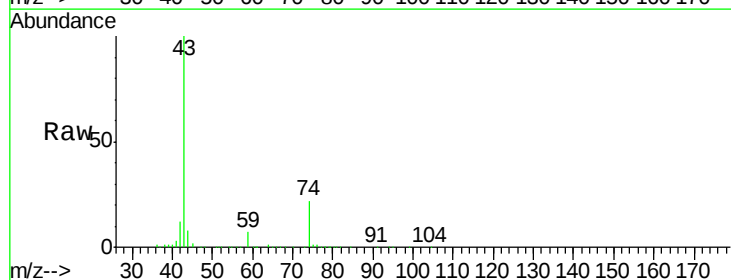
Manual Integrations
APPROVED

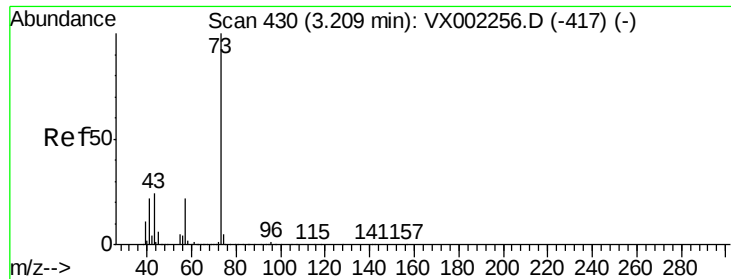
MMDadoda
6/5/2018 5:56:09 PM



#18
Methyl Acetate
Concen: 22.279 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	89155		
74	22.3		16.7	25.1





#19

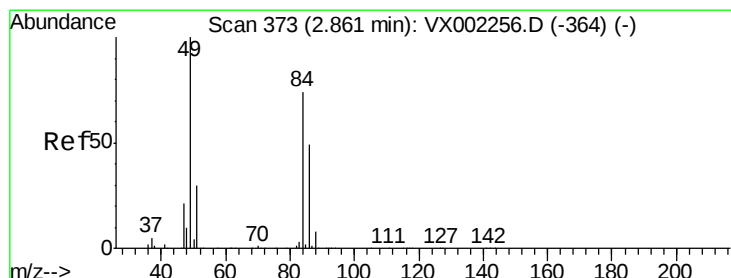
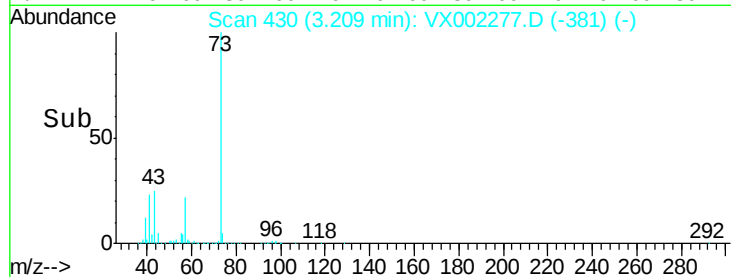
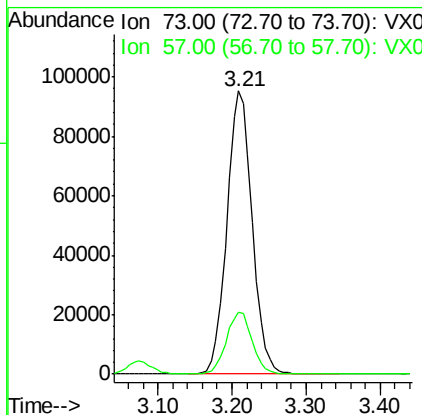
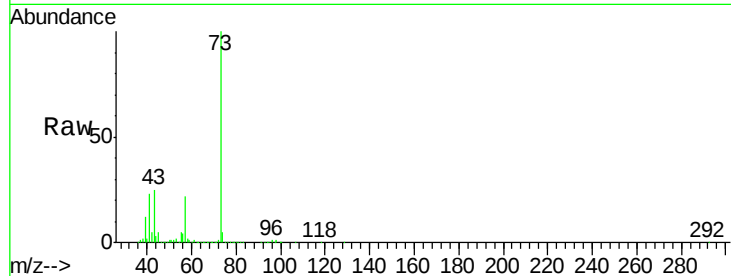
Methyl tert-butyl Ether
 Concen: 21.845 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0604WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

Manual Integrations
 APPROVED

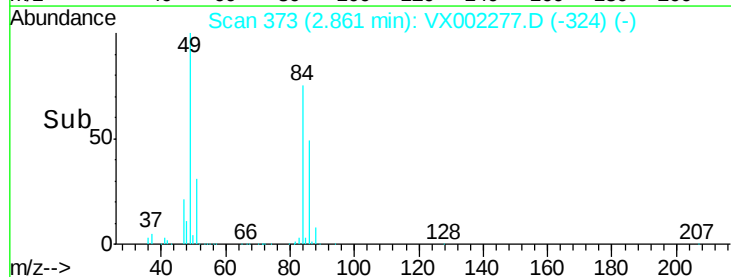
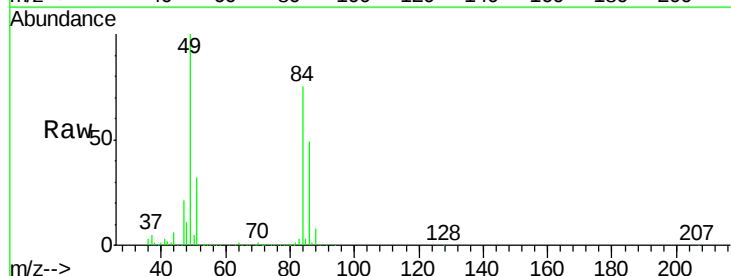
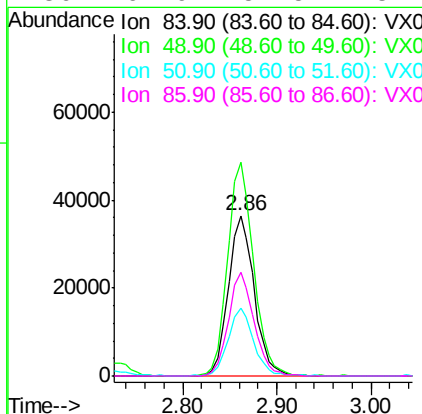
MMDadoda
 6/5/2018 5:56:09 PM

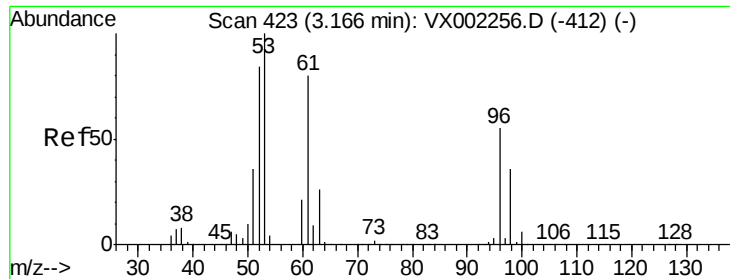


#20

Methylene Chloride
 Concen: 21.869 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.4	107.8	161.6
51	41.9	32.8	49.2
86	64.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.768 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 96 Resp: 63819

Ion Ratio Lower Upper

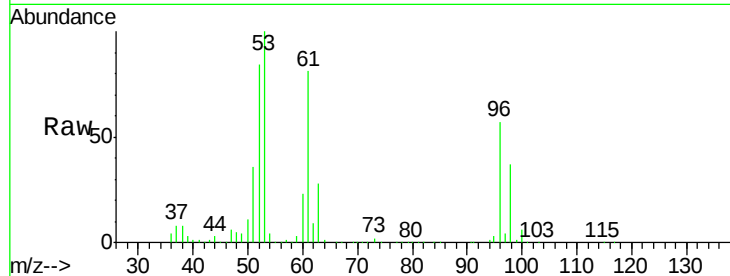
96 100

61 142.7 117.0 175.4

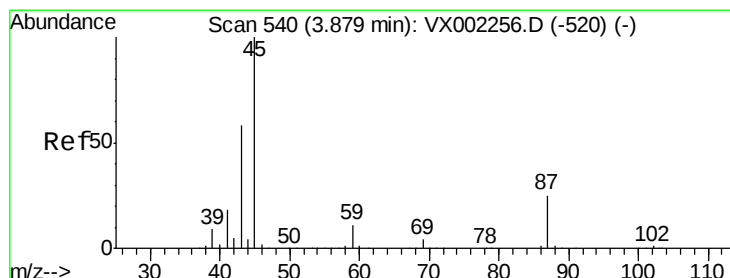
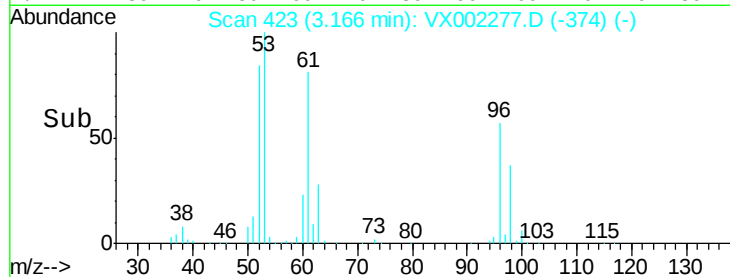
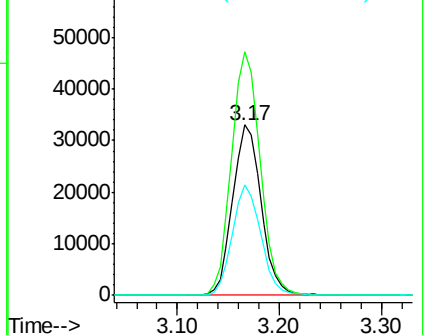
98 64.6 52.4 78.6

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



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



#22

Diisopropyl ether

Concen: 20.196 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion: 45 Resp: 212985

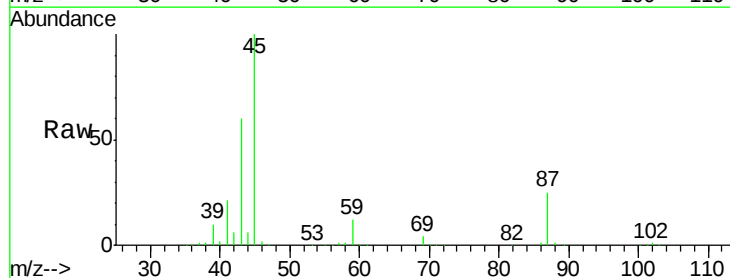
Ion Ratio Lower Upper

45 100

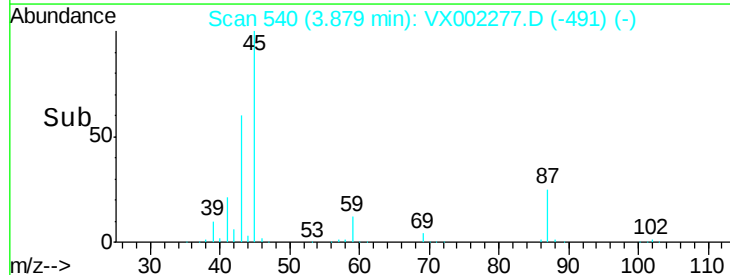
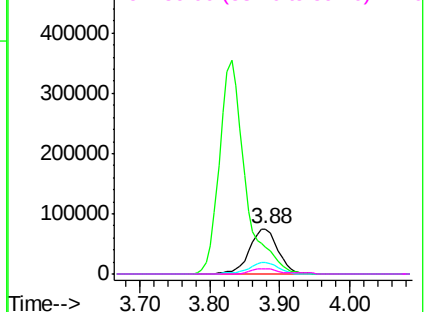
43 59.9 46.8 70.2

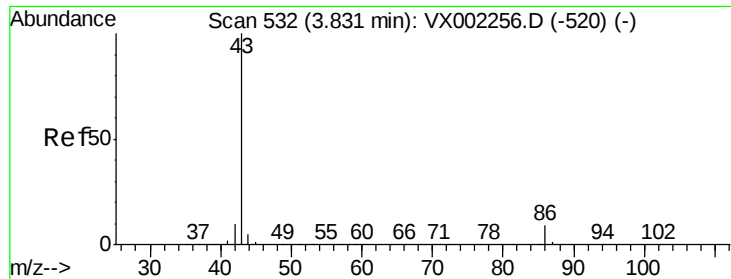
87 24.9 20.2 30.4

59 11.9 8.7 13.1



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





#23

Vinyl Acetate

Concen: 92.904 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS02

Tot Ion: 43 Resp: 910771

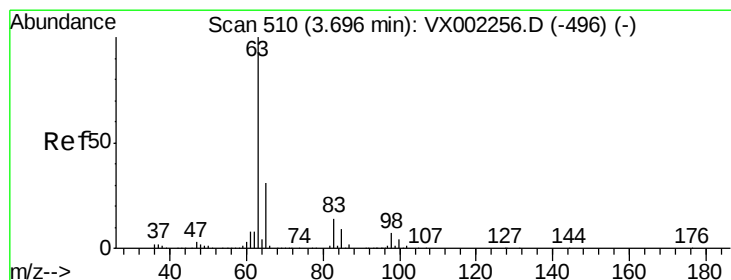
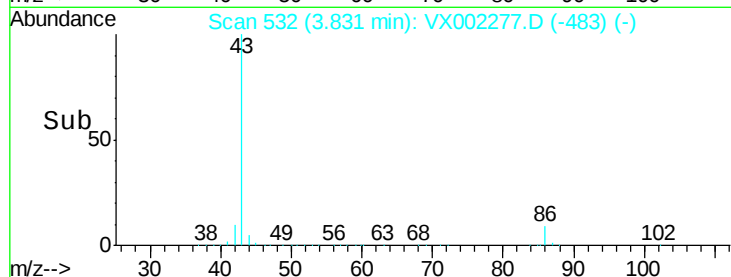
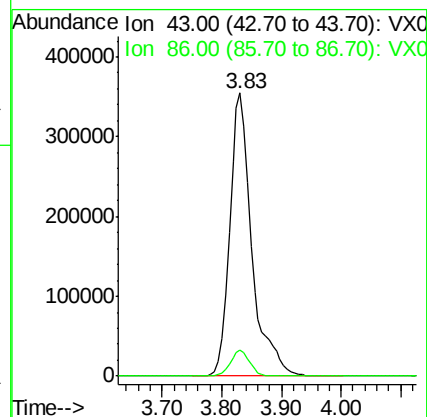
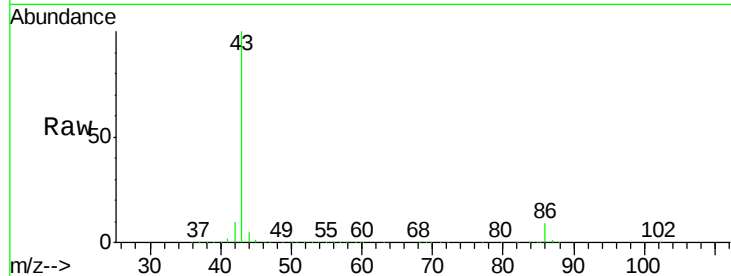
Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#24

1,1-Dichloroethane

Concen: 18.508 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

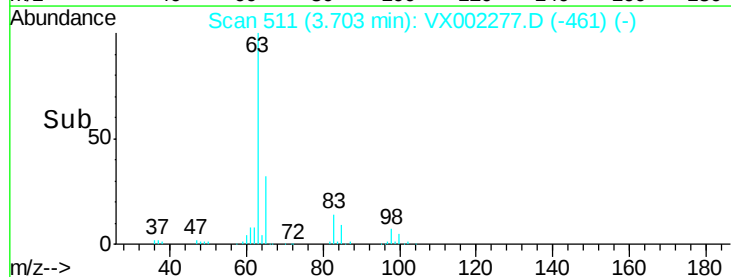
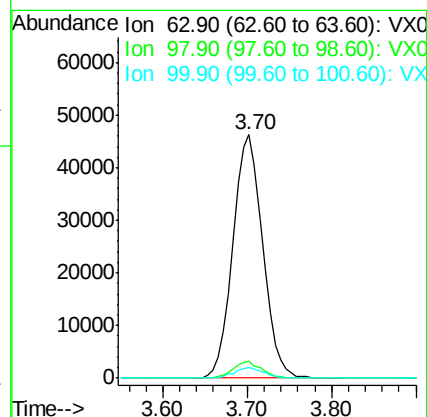
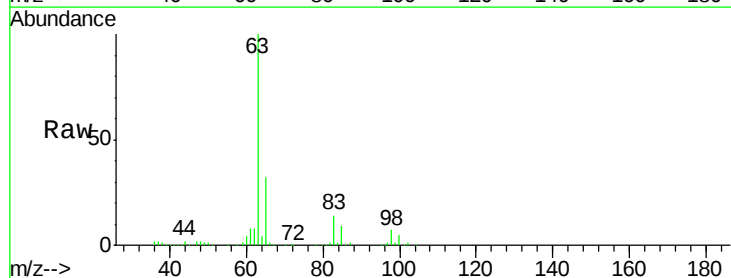
Tgt Ion: 63 Resp: 110624

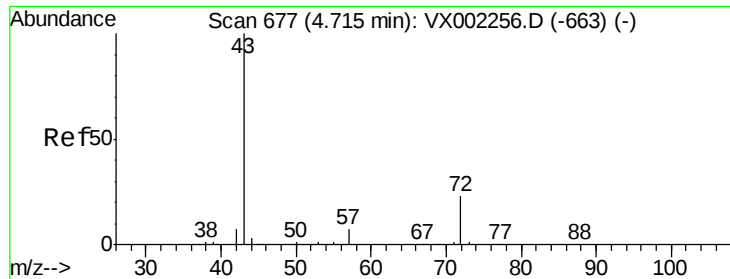
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 96.971 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 43 Resp: 248880

Ion Ratio Lower Upper

43 100

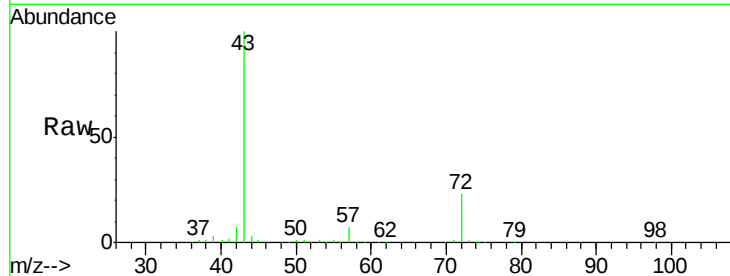
72 23.0 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

80000

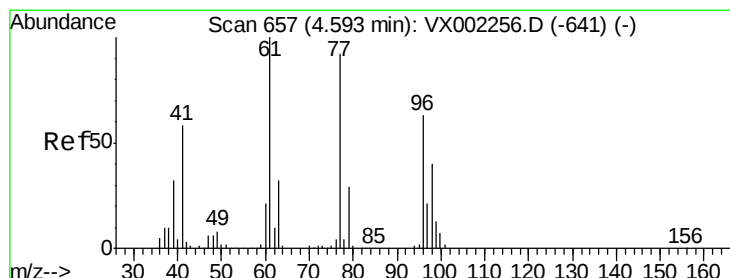
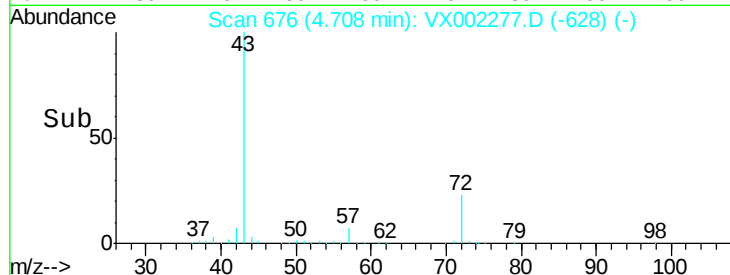
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.270 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX002277.D

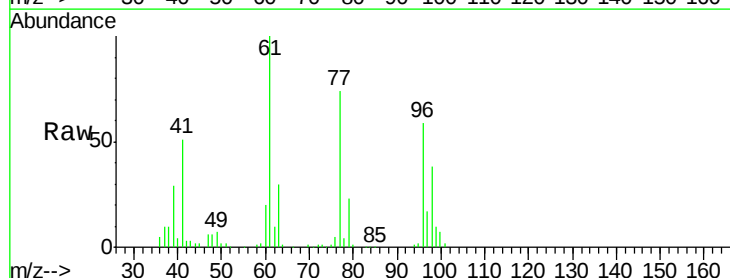
Acq: 04 Jun 2018 23:39

Tgt Ion: 77 Resp: 76014

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

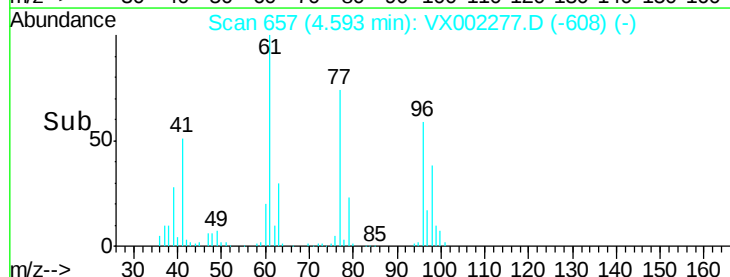
15000

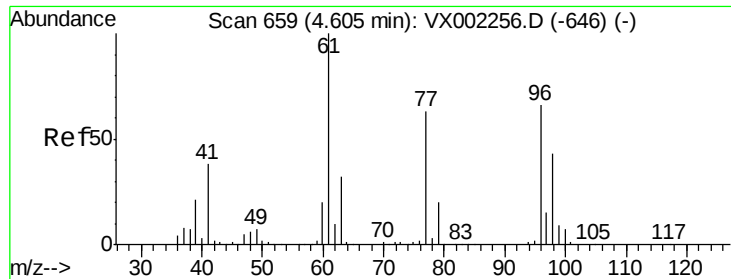
10000

5000

0

Time-->





#27

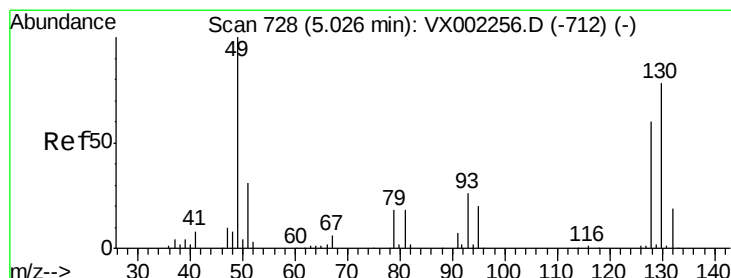
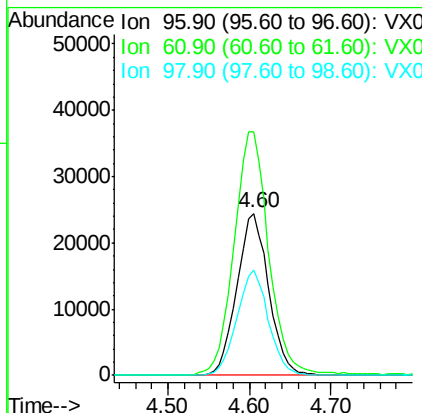
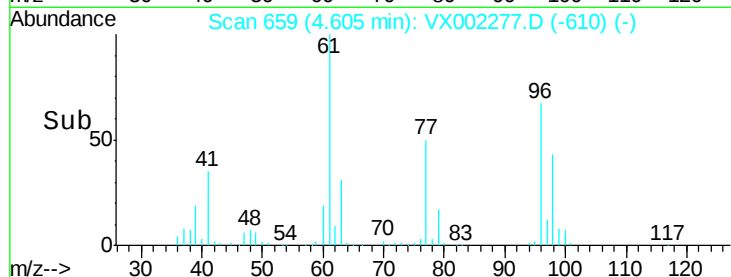
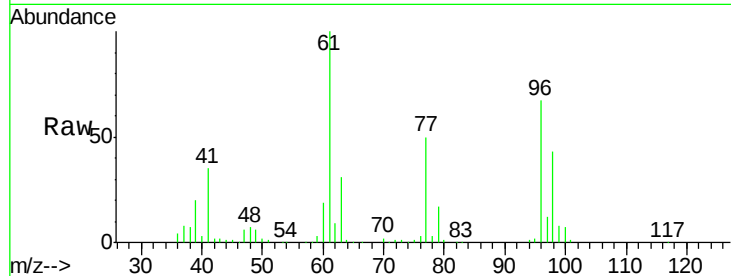
cis-1,2-Dichloroethene
Concen: 19.769 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.4	0.0	330.2
98	64.4	0.0	130.2

Manual Integrations
APPROVED

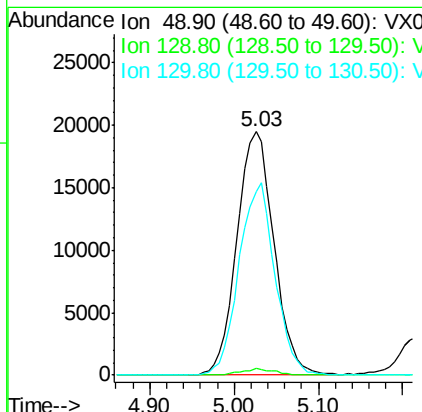
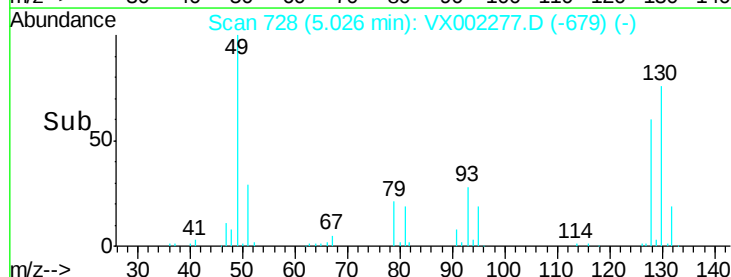
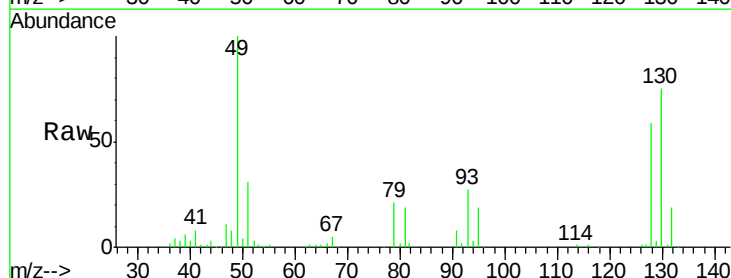
MMDadoda
6/5/2018 5:56:09 PM

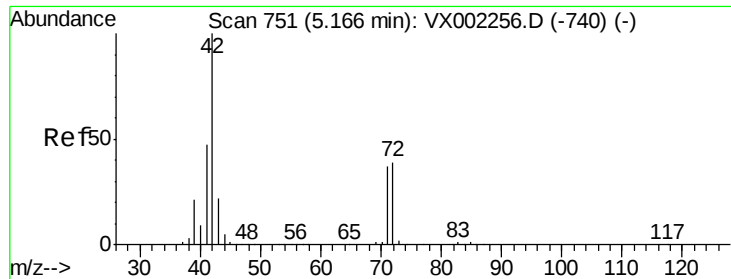


#28

Bromochloromethane
Concen: 20.753 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	76.5	61.2	91.8





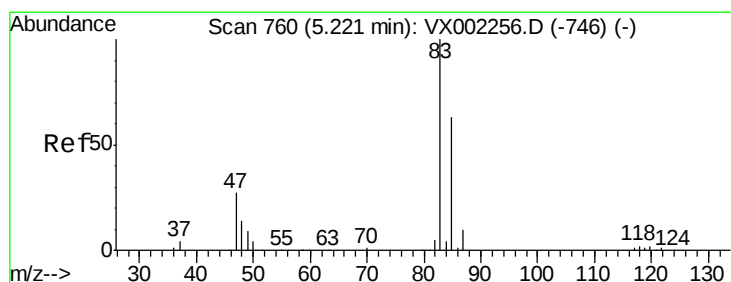
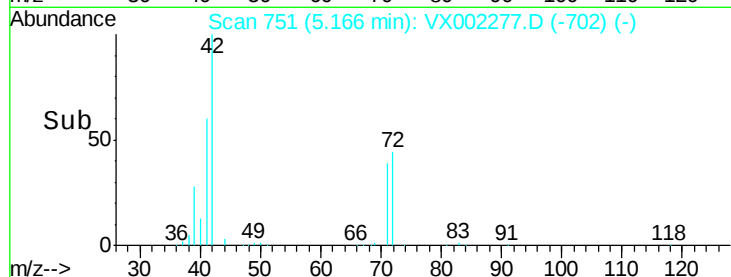
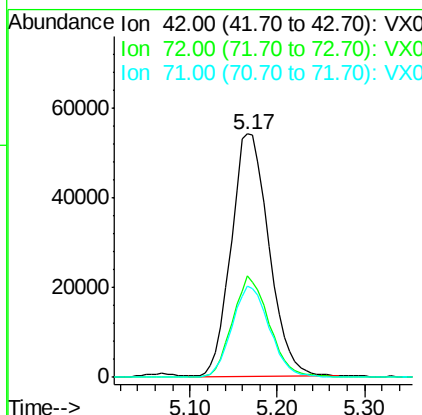
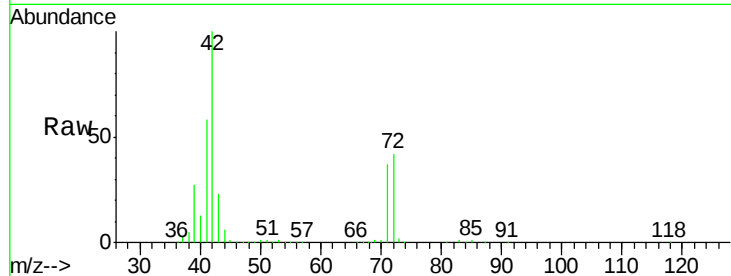
#29
Tetrahydrofuran
Concen: 97.972 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	37.5	30.1	45.1

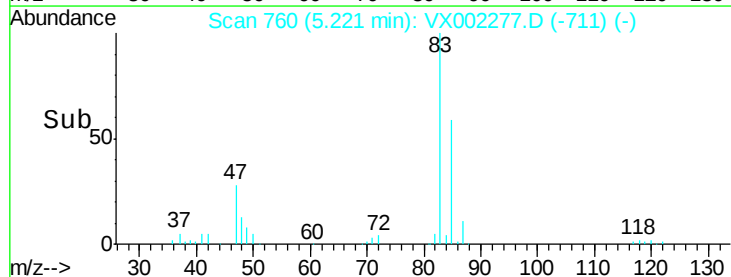
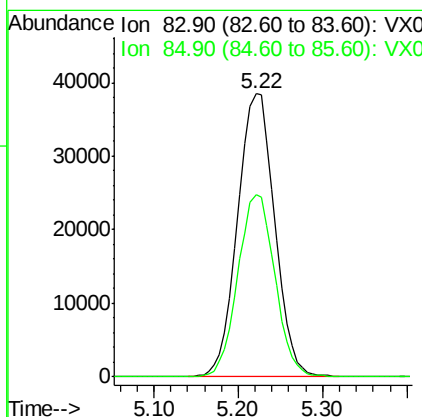
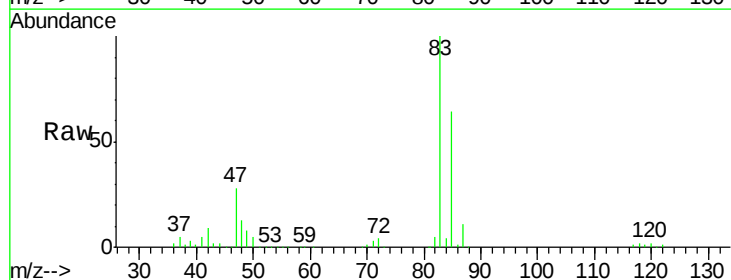
Manual Integrations
APPROVED

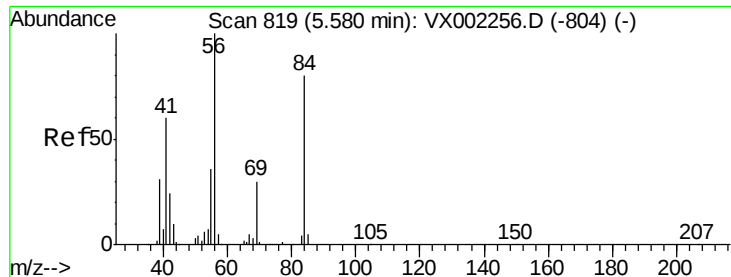
MMDadoda
6/5/2018 5:56:09 PM



#30
Chloroform
Concen: 19.965 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





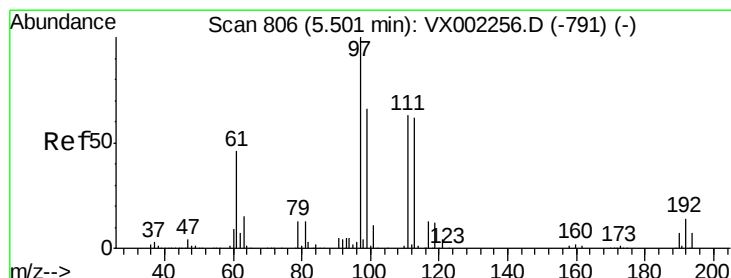
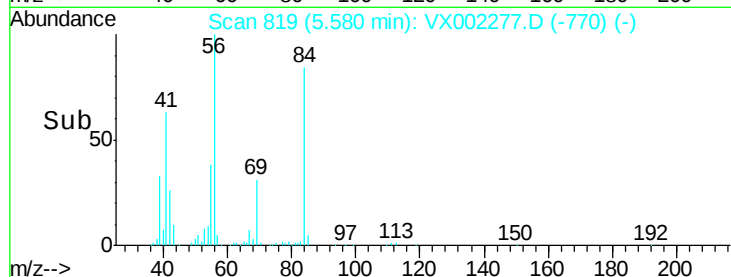
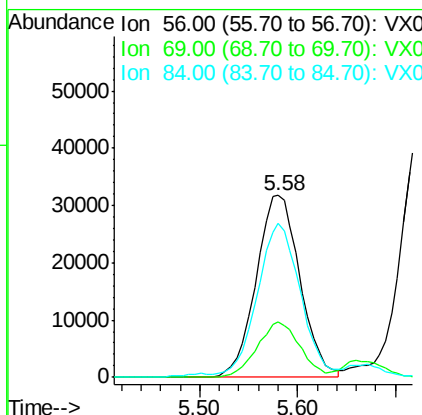
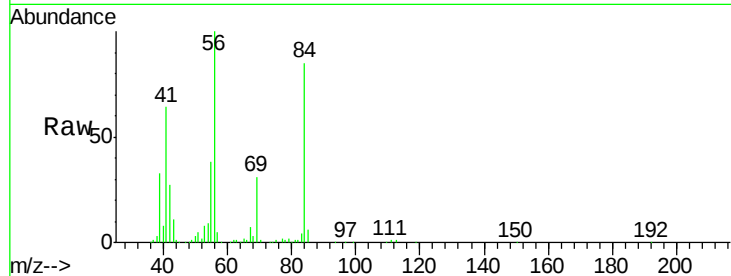
#31
Cyclohexane
Concen: 21.049 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	82.6	64.1	96.1

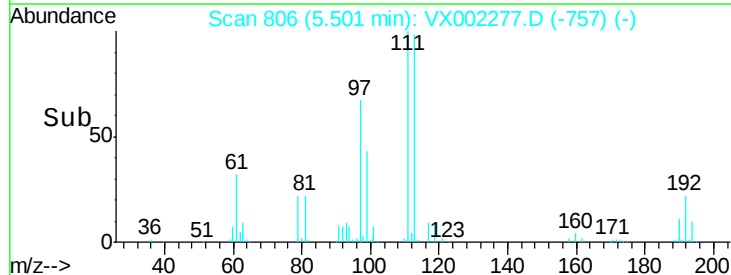
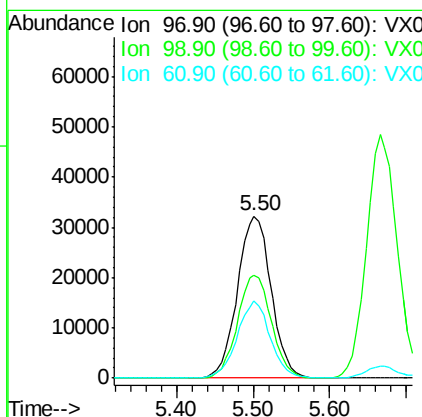
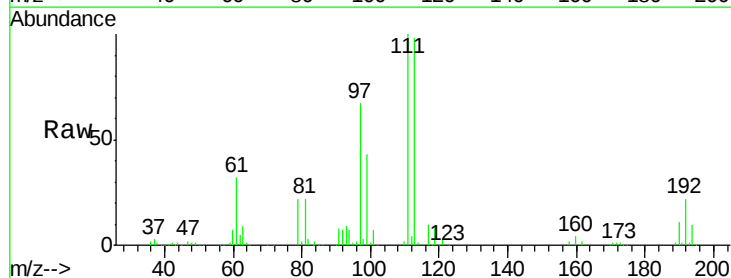
Manual Integrations
APPROVED

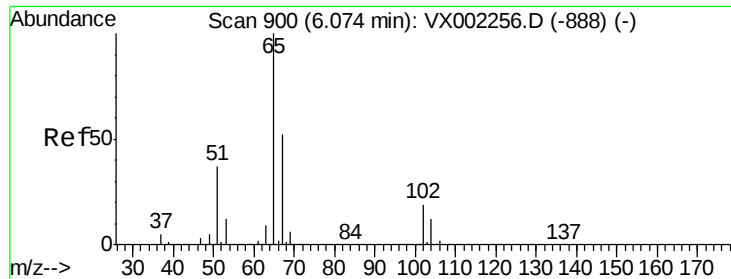
MMDadoda
6/5/2018 5:56:09 PM



#32
1,1,1-Trichloroethane
Concen: 20.187 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.4	36.4	54.6





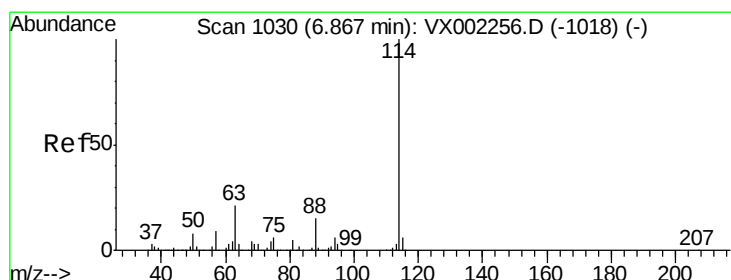
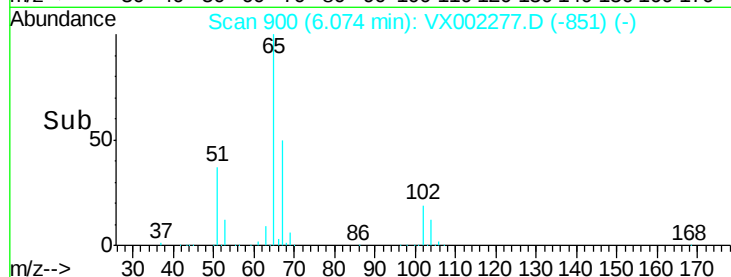
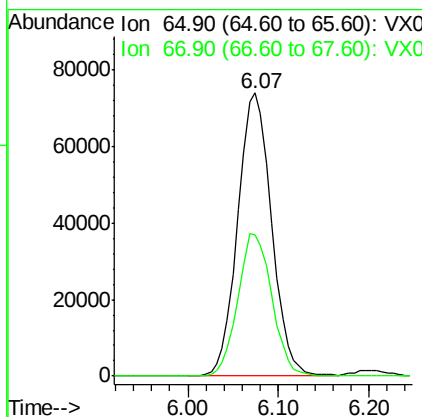
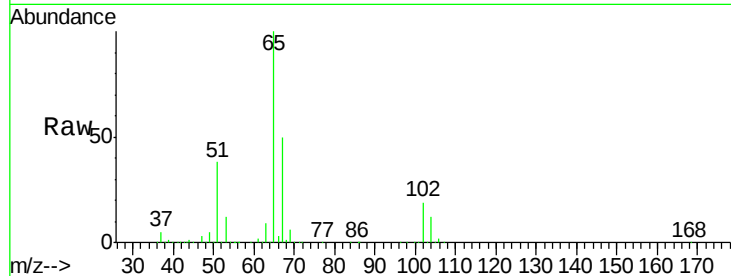
#33
 1,2-Dichloroethane-d4
 Concen: 51.325 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.6

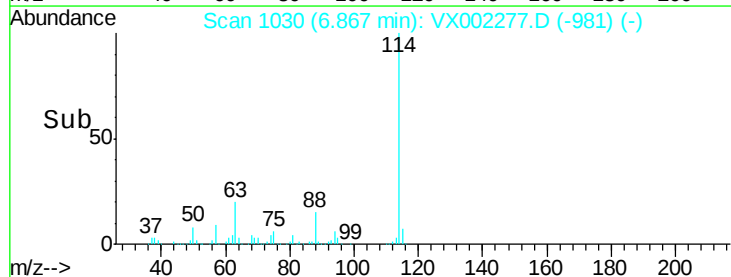
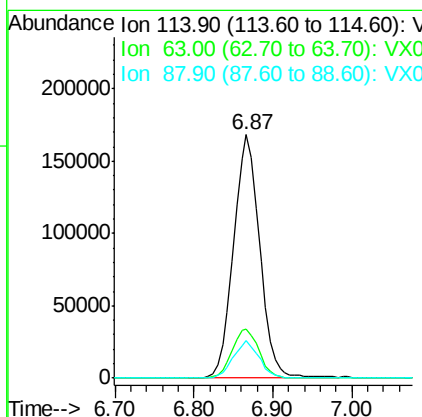
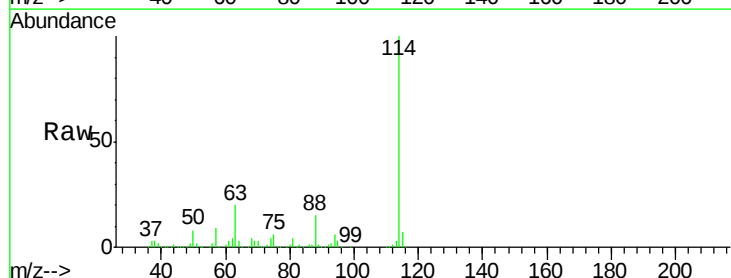
Manual Integrations
 APPROVED

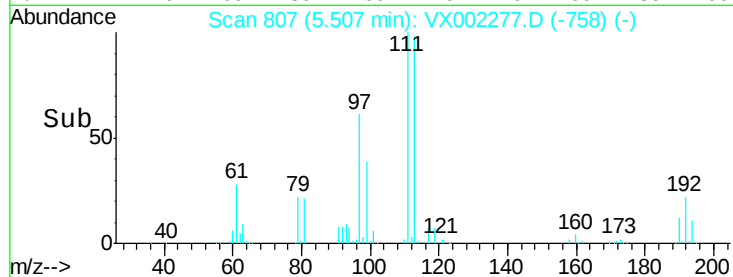
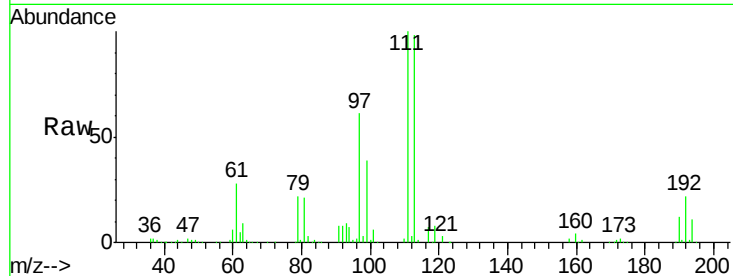
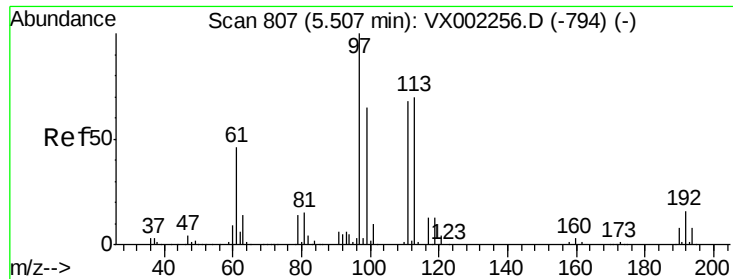
MMDadoda
 6/5/2018 5:56:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	15.2	0.0	30.0





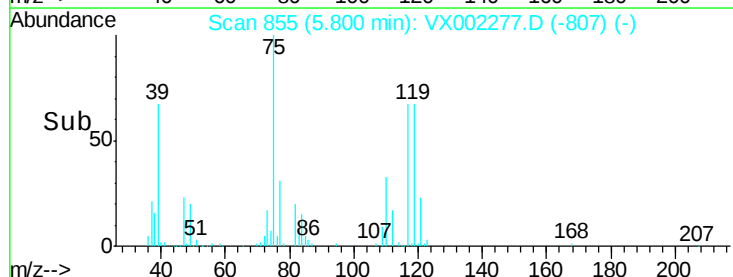
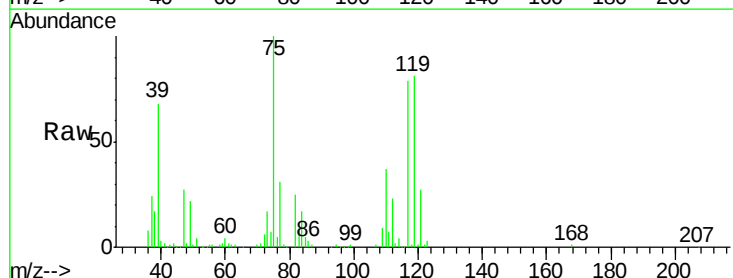
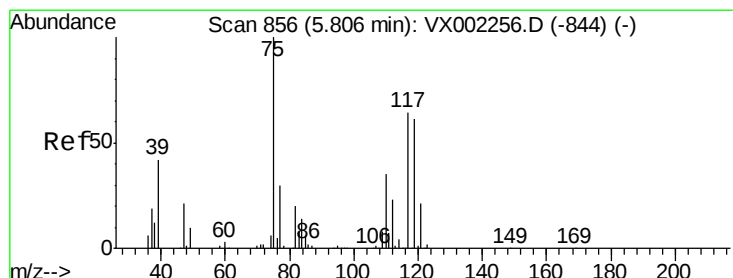
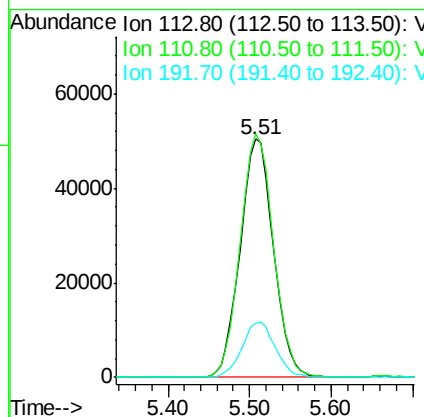
#35
Dibromofluoromethane
Concen: 46.677 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142954		
111	102.0	81.4	122.0	
192	23.2	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

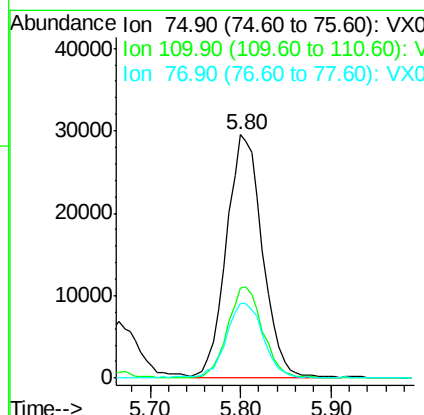
Manual Integrations
APPROVED

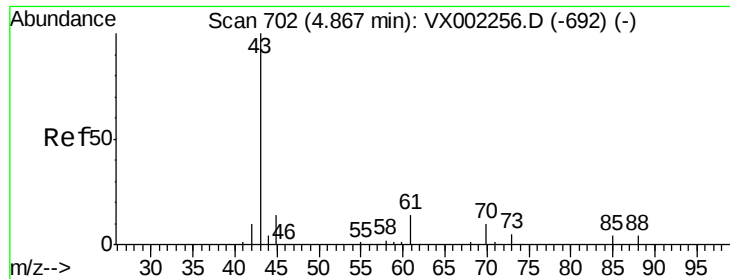
MMDadoda
6/5/2018 5:56:09 PM



#36
1,1-Dichloropropene
Concen: 19.641 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80415		
110	37.1	18.1	54.4	
77	31.1	24.3	36.5	





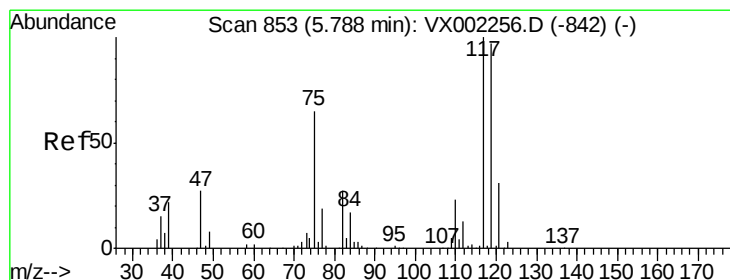
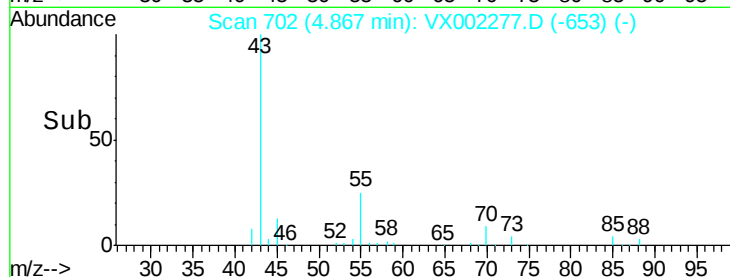
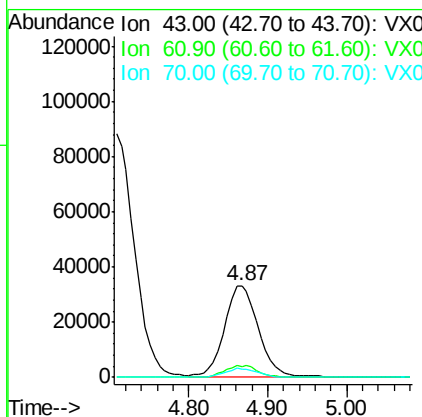
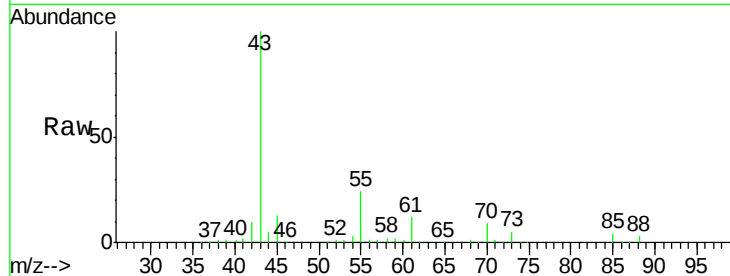
#37
Ethyl Acetate
Concen: 19.919 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.5	7.6	11.4

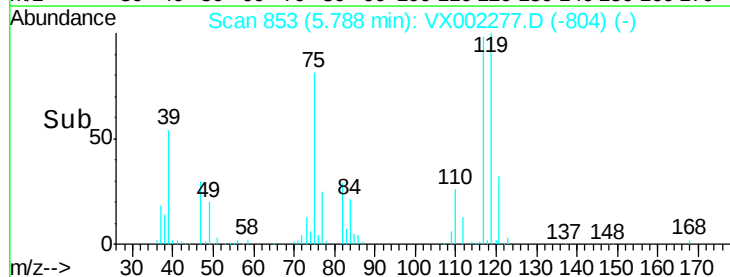
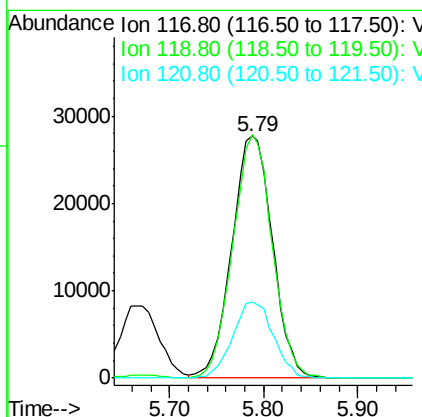
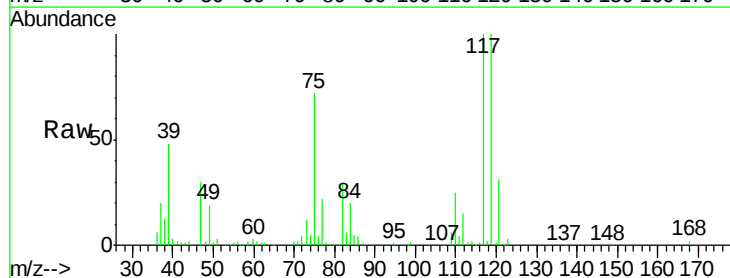
Manual Integrations
APPROVED

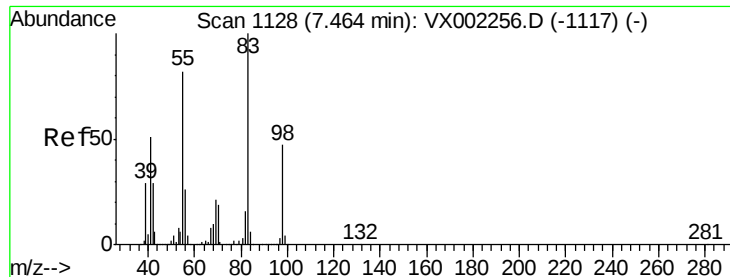
MMDadoda
6/5/2018 5:56:09 PM



#38
Carbon Tetrachloride
Concen: 19.462 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.4	116.0
121	31.5	24.4	36.6





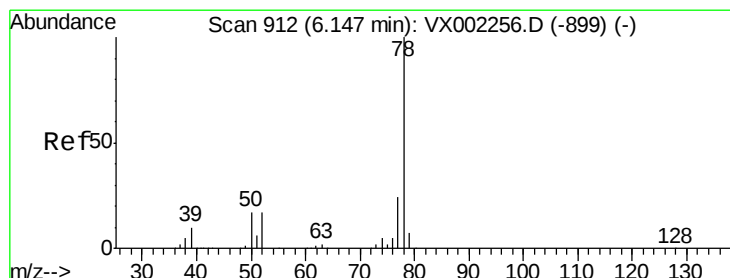
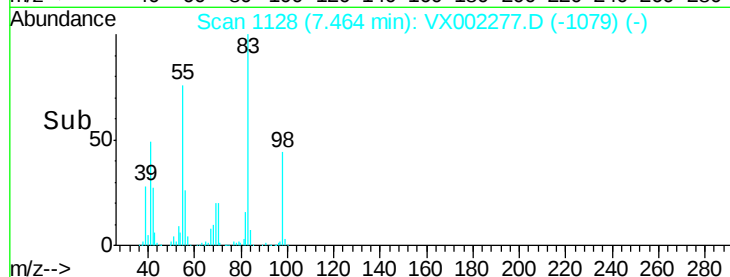
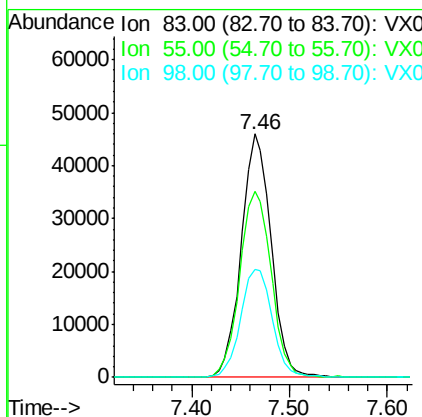
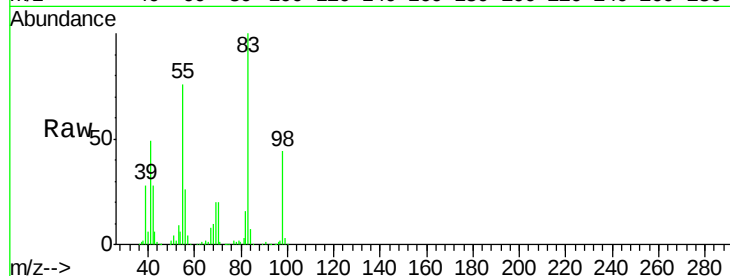
#39
Methvlcvclohexane
Concen: 19.454 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	83	Resp	97588
Ion Ratio	Lower	Upper	
83	100		
55	76.0	65.4	98.0
98	44.4	37.4	56.0

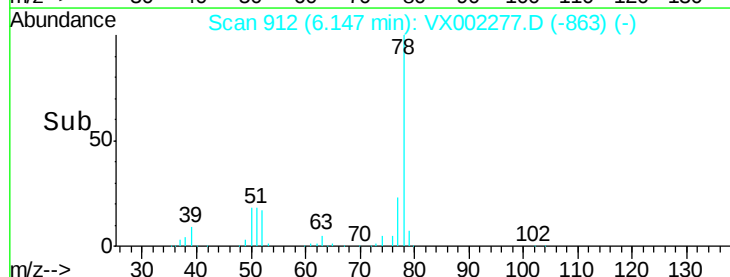
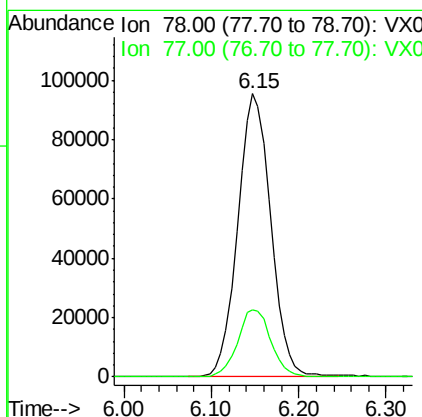
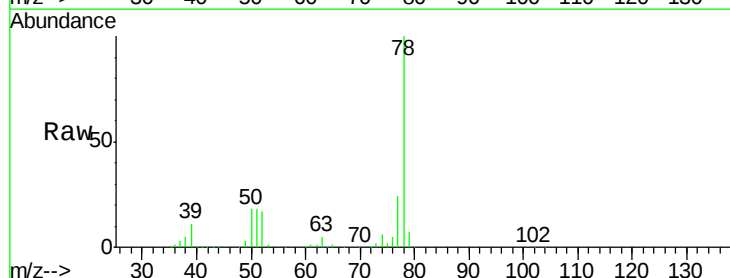
Manual Integrations
APPROVED

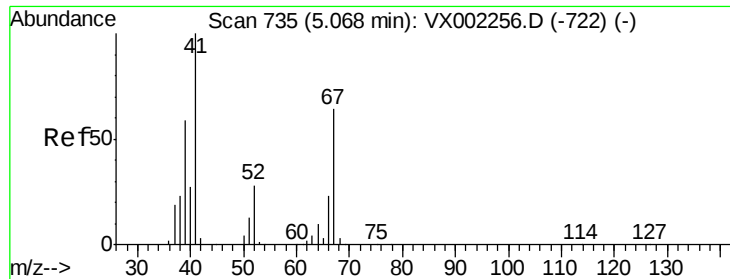
MMDadoda
6/5/2018 5:56:09 PM



#40
Benzene
Concen: 19.978 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	78	Resp	250789
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.1	28.7





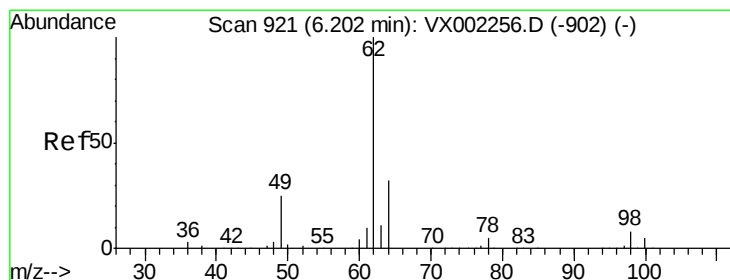
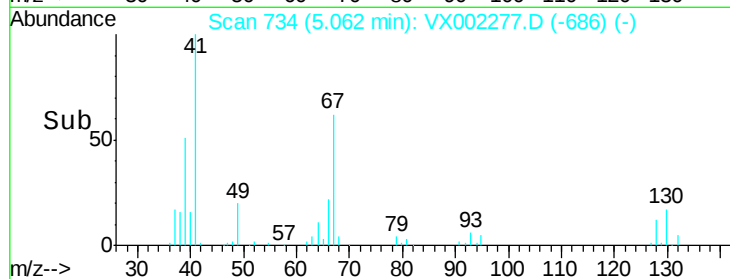
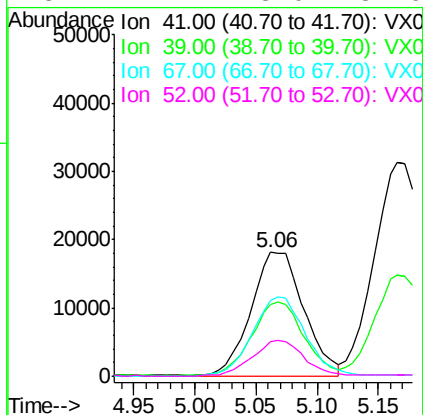
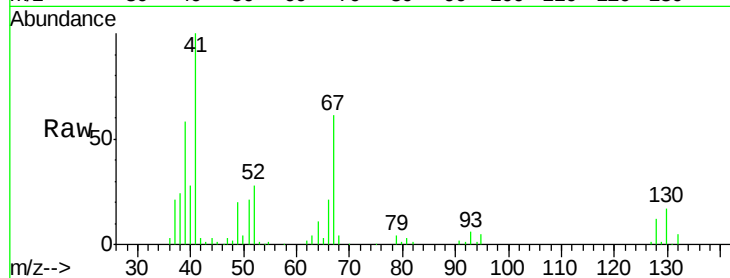
#41
Methacrylonitrile
Concen: 19.331 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion:	41	Resp:	54487
Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.8	68.6
67	64.8	51.3	76.9
52	27.7	23.0	34.6

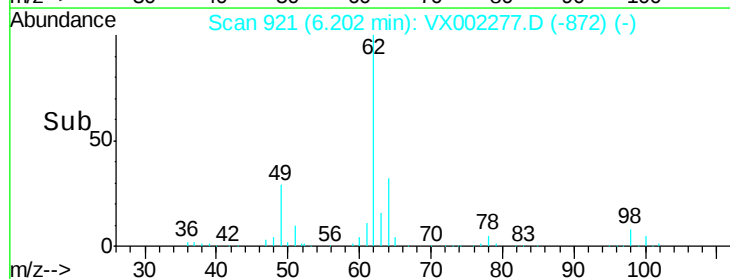
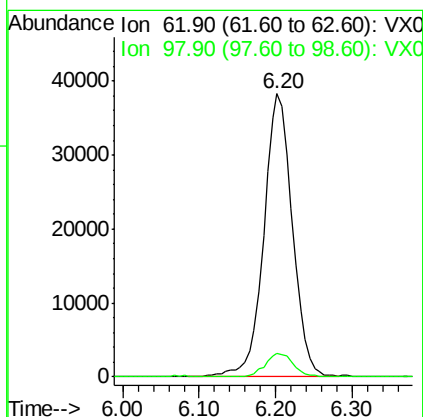
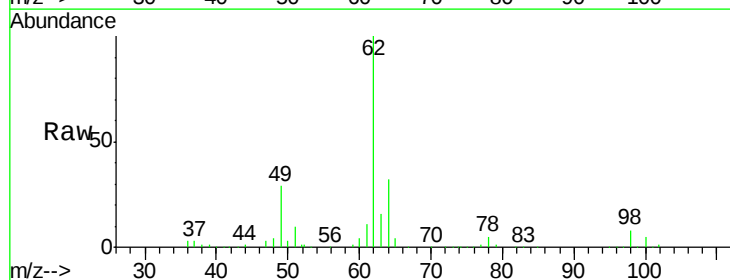
Manual Integrations
APPROVED

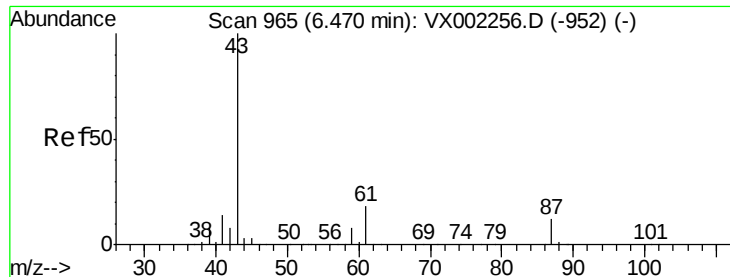
MMDadoda
6/5/2018 5:56:09 PM



#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:	62	Resp:	99630
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

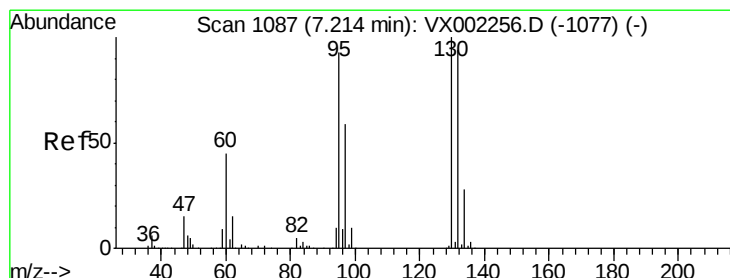
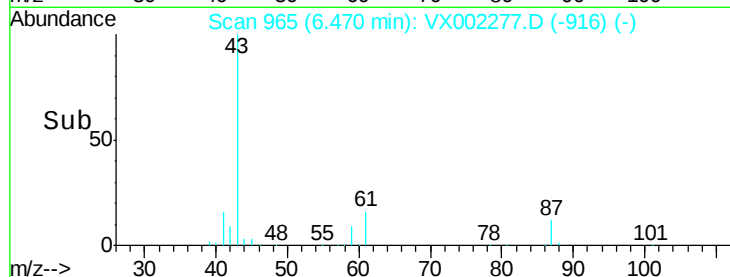
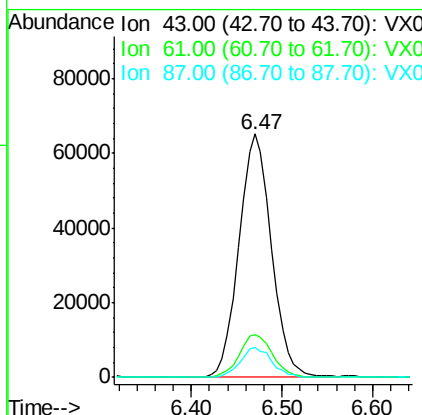
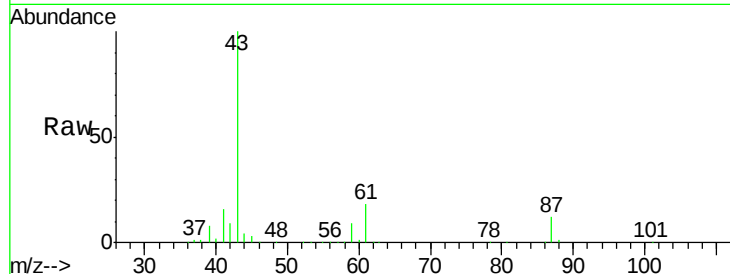
Isopropyl Acetate
 Concen: 19.234 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	12.0	9.5	14.3

Manual Integrations
 APPROVED

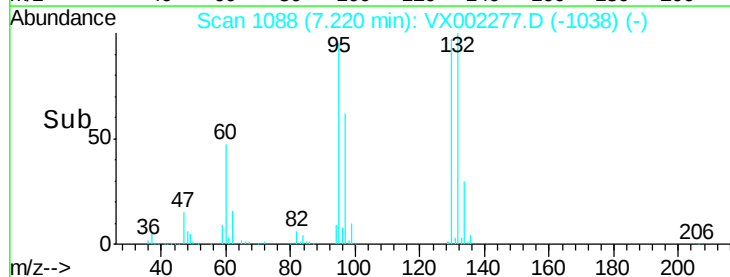
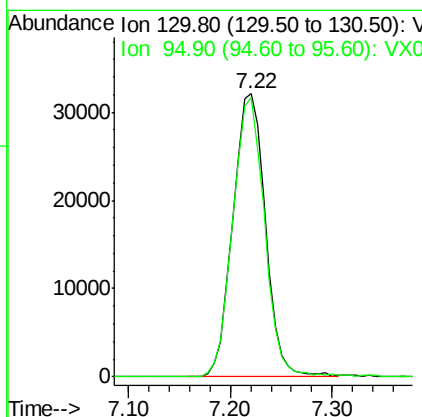
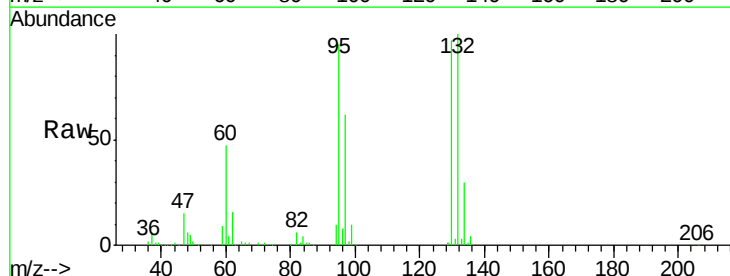
MMDadoda
 6/5/2018 5:56:09 PM

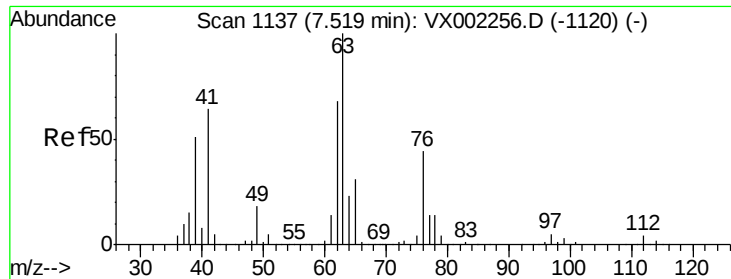


#44

Trichloroethene
 Concen: 20.350 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.703 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 63 Resp: 66774

Ion Ratio Lower Upper

63 100

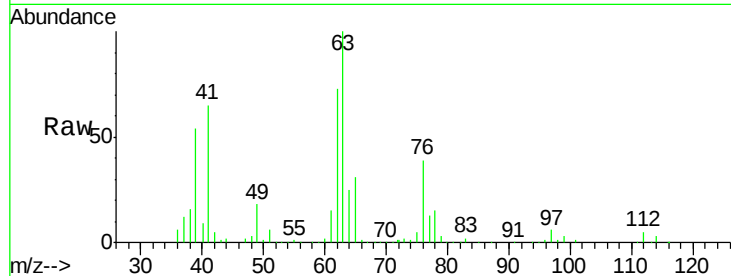
65 30.6 24.7 37.1

Manual Integrations

APPROVED

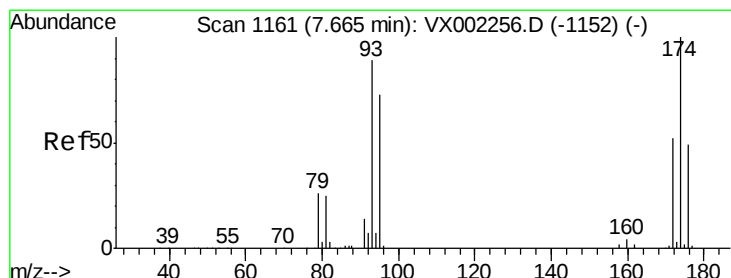
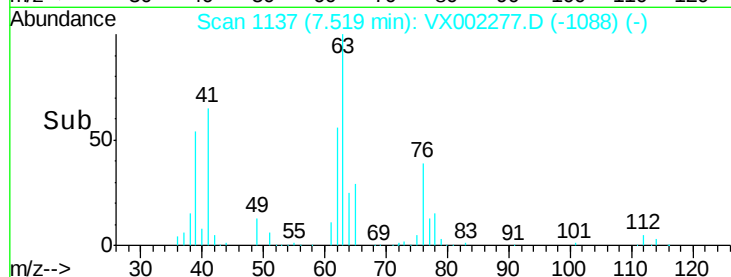
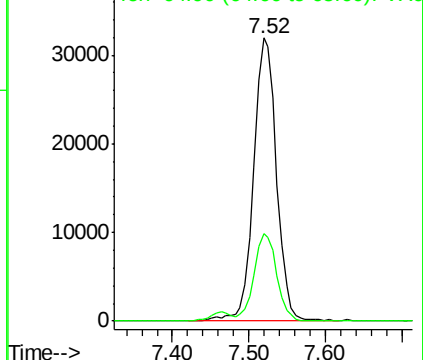
MMDadoda

6/5/2018 5:56:09 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.605 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

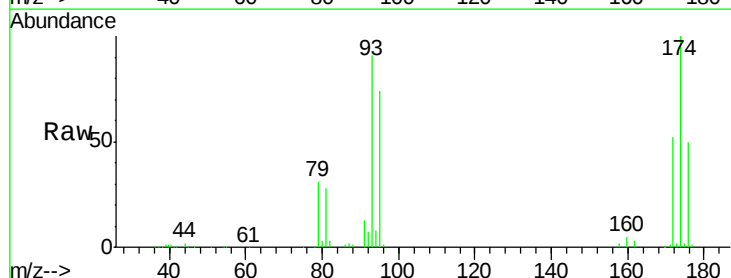
Tgt Ion: 93 Resp: 45041

Ion Ratio Lower Upper

93 100

95 81.0 65.9 98.9

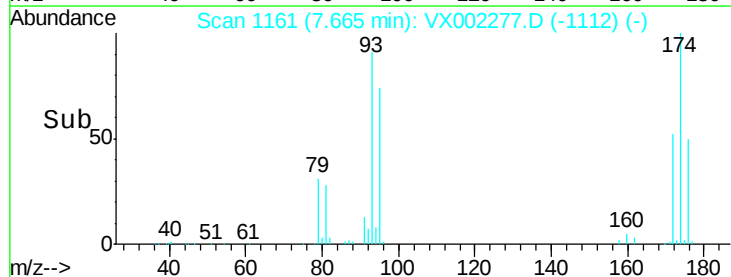
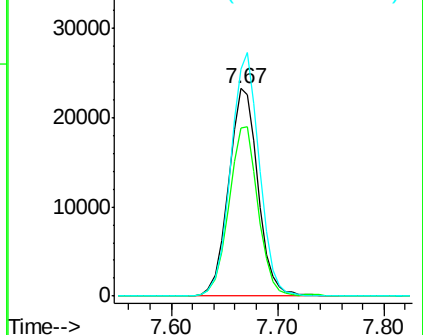
174 114.4 92.4 138.6

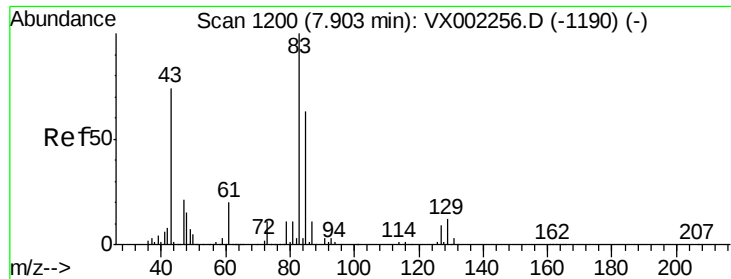


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





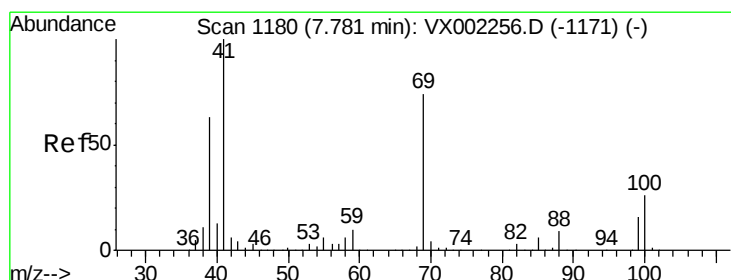
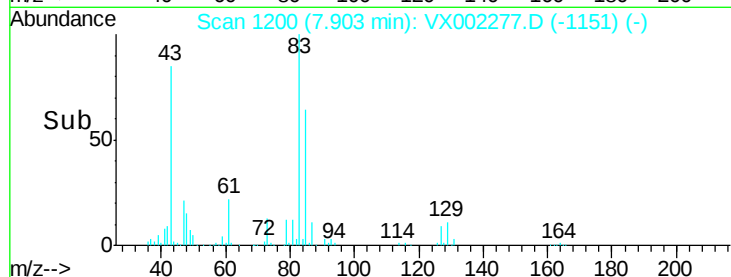
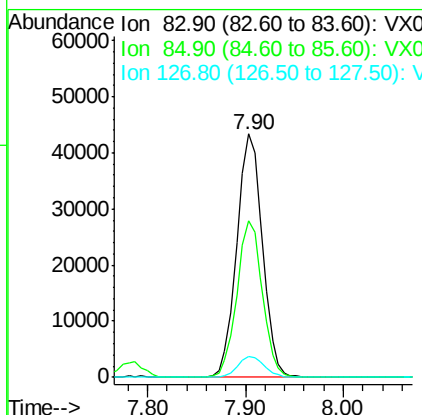
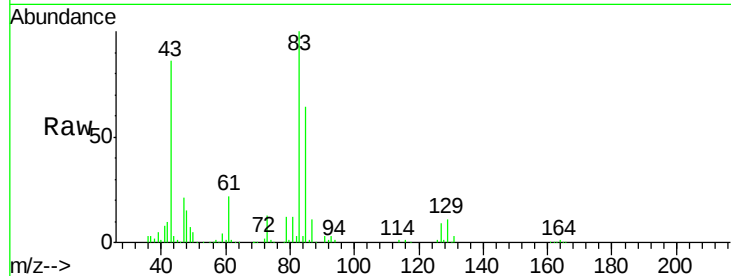
#47
Bromodichloromethane
Concen: 19.076 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	83	Resp	79264
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5
127	8.7	7.0	10.4

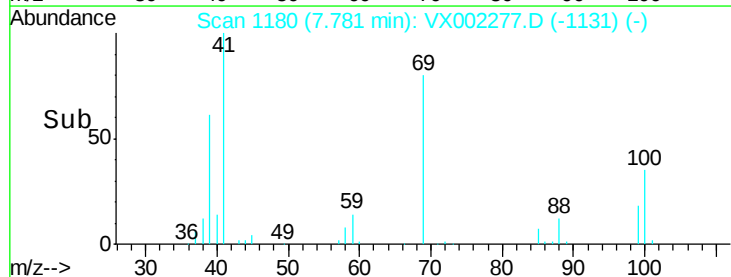
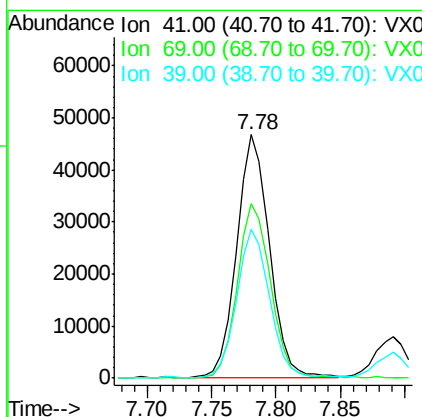
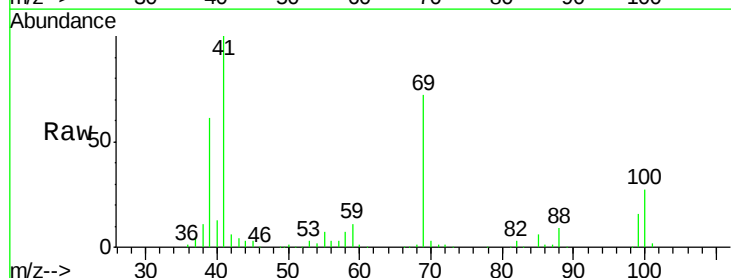
Manual Integrations
APPROVED

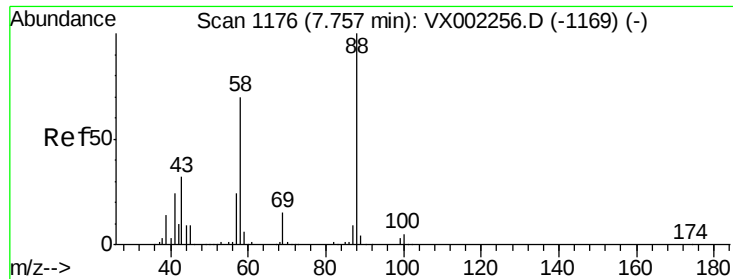
MMDadoda
6/5/2018 5:56:09 PM



#48
Methyl methacrylate
Concen: 19.454 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	41	Resp	81721
Ion Ratio	Lower	Upper	
41	100		
69	73.4	59.1	88.7
39	61.7	48.9	73.3





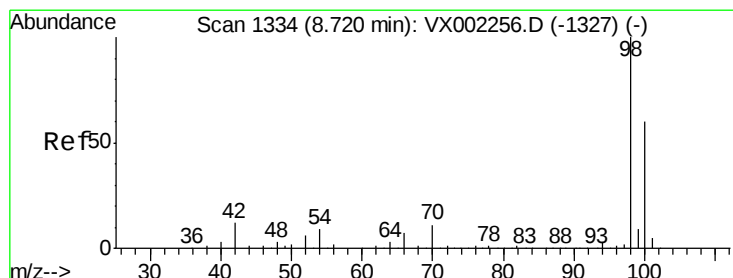
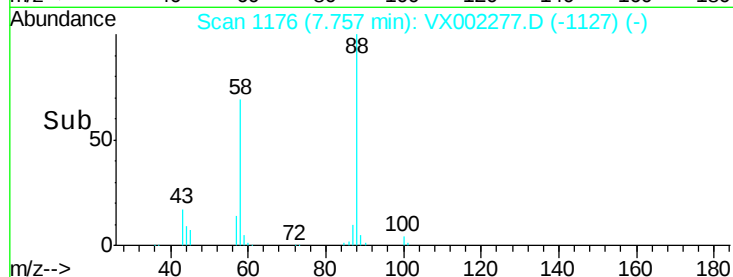
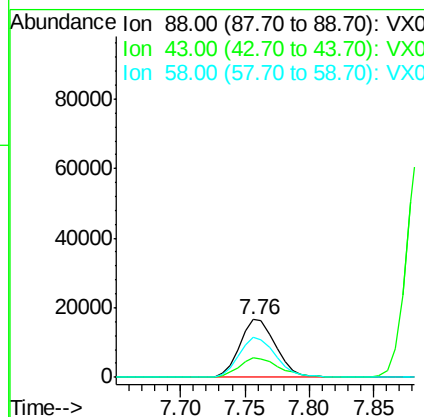
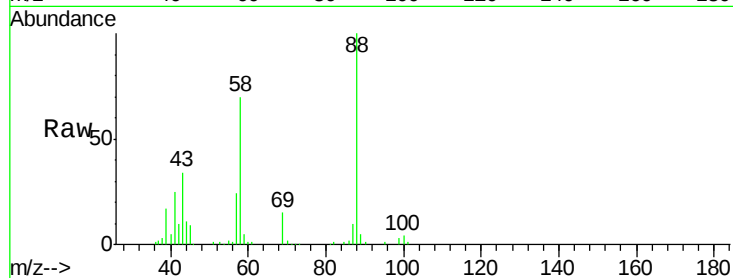
#49
1,4-Dioxane
Concen: 408.848 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	29.8	44.6
58	70.1	57.1	85.7

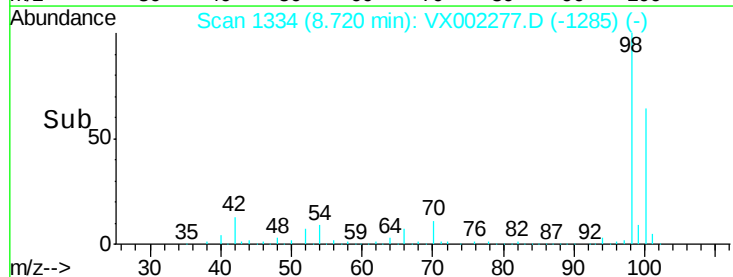
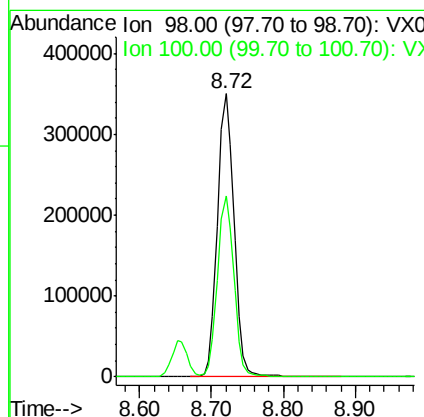
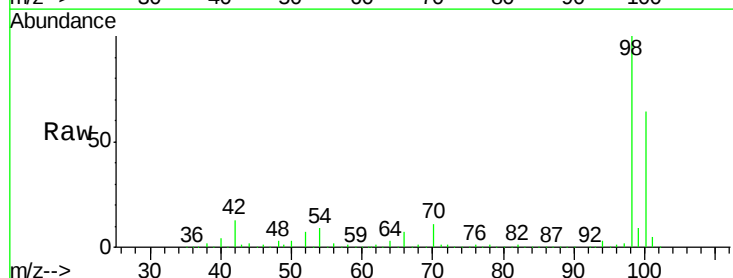
Manual Integrations
APPROVED

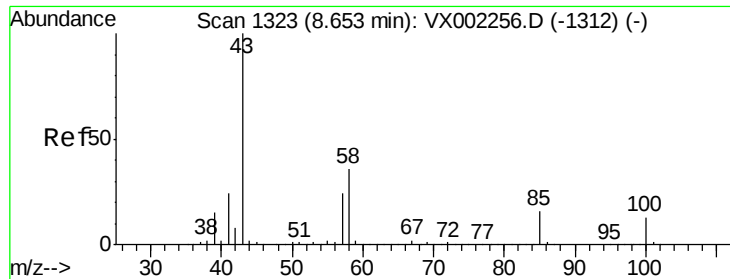
MMDadoda
6/5/2018 5:56:09 PM



#50
Toluene-d8
Concen: 47.675 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 99.368 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 43 Resp: 517509

Ion Ratio Lower Upper

43 100

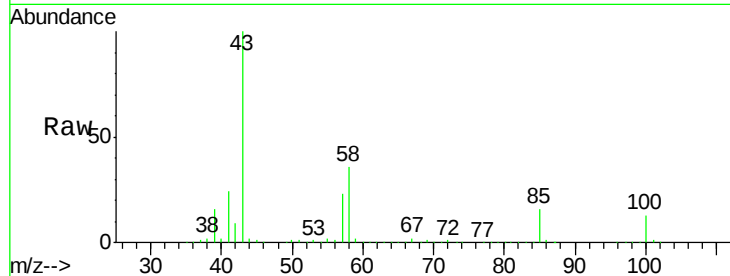
58 35.8 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

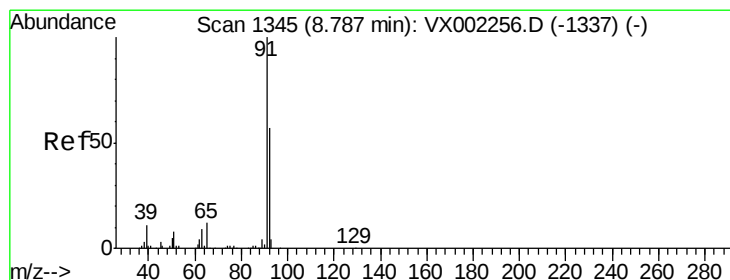
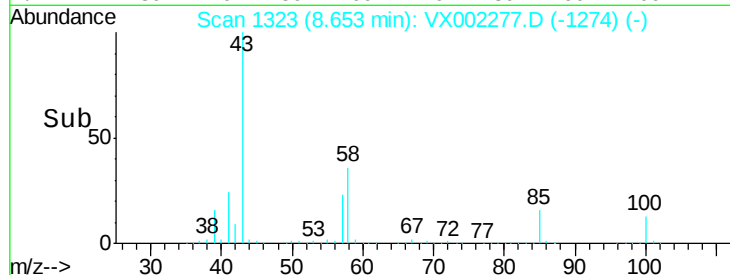
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.277 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002277.D

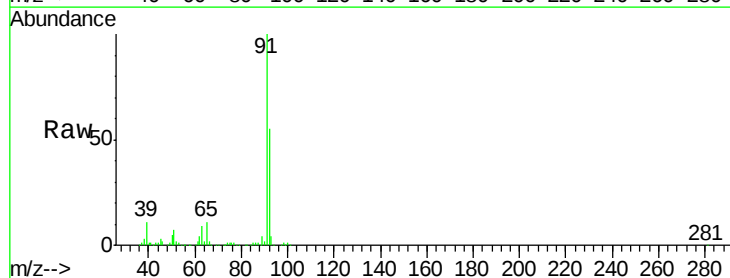
Acq: 04 Jun 2018 23:39

Tgt Ion: 92 Resp: 161892

Ion Ratio Lower Upper

92 100

91 177.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

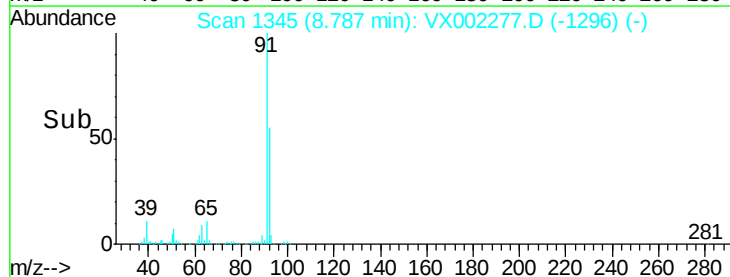
150000

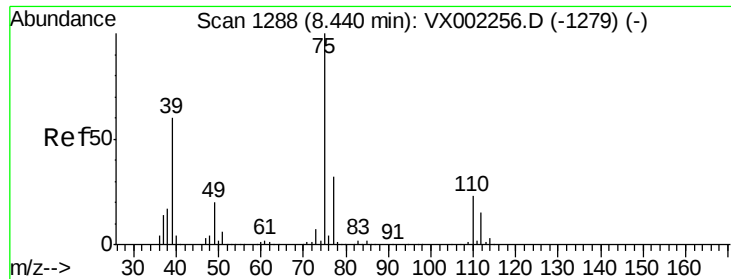
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.659 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 75 Resp: 92976

Ion Ratio Lower Upper

75 100

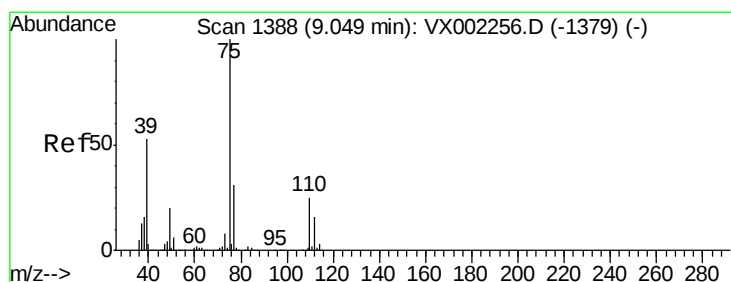
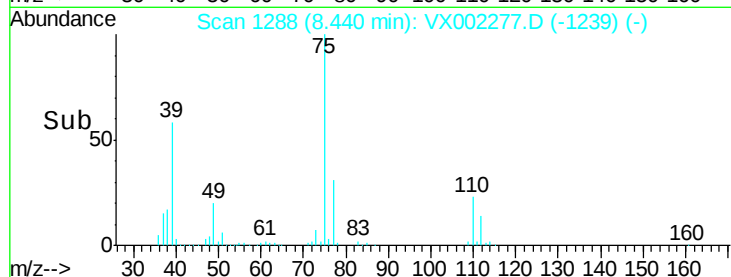
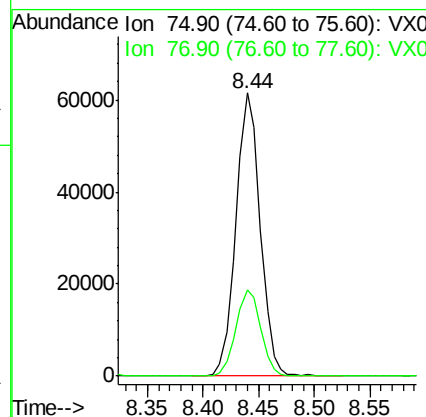
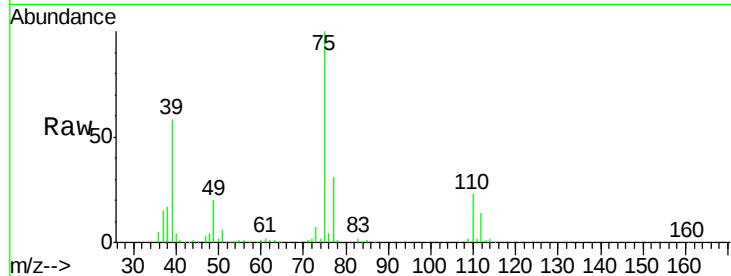
77 30.6 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:09 PM



#54

cis-1,3-Dichloropropene

Concen: 17.838 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

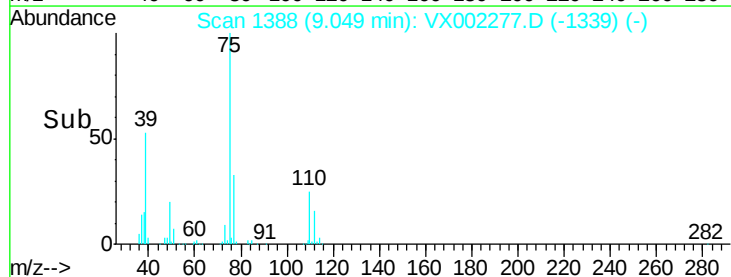
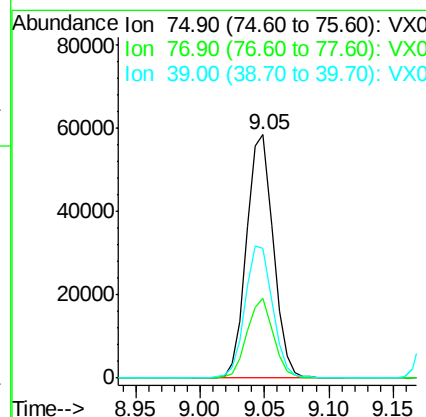
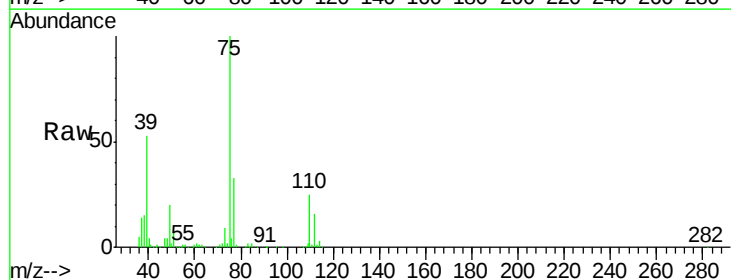
Tgt Ion: 75 Resp: 83857

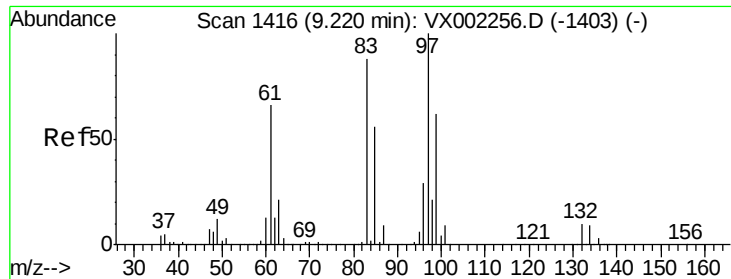
Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2

39 53.0 42.4 63.6





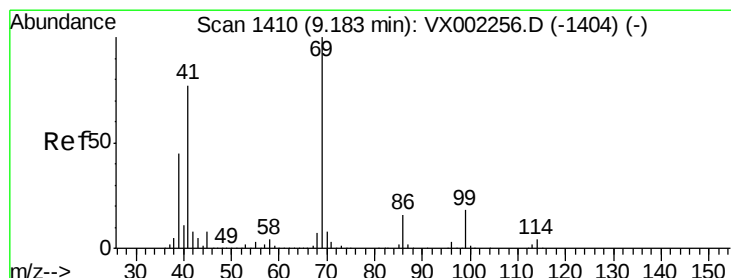
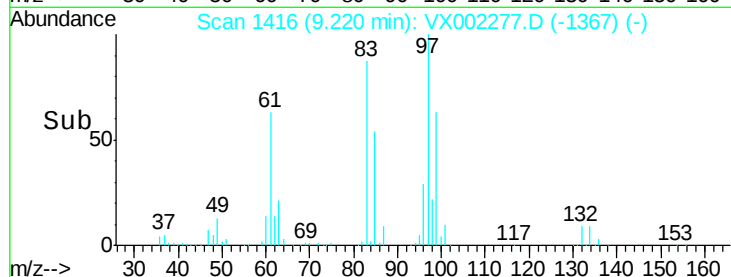
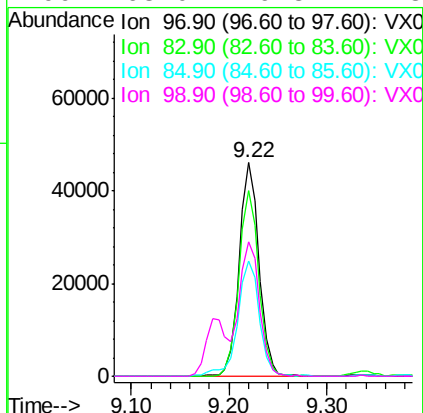
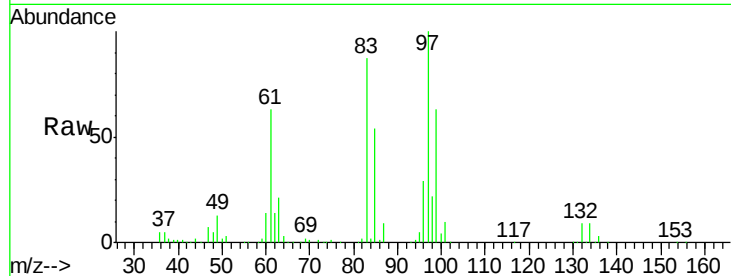
#55
1,1,2-Trichloroethane
Concen: 19.808 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion:	97	Resp:	65045
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.2
85	54.0	44.9	67.3
99	63.0	49.8	74.8

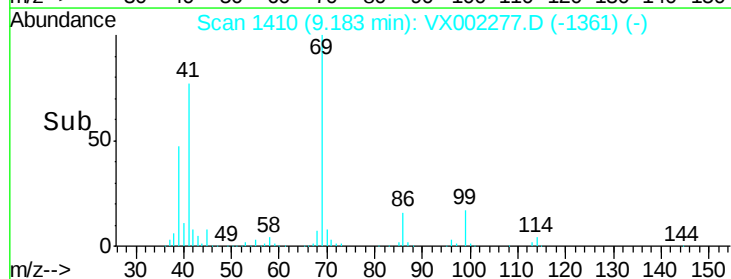
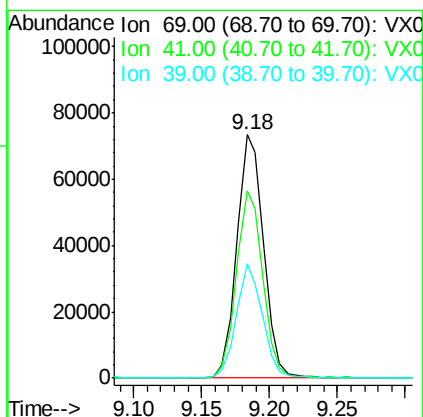
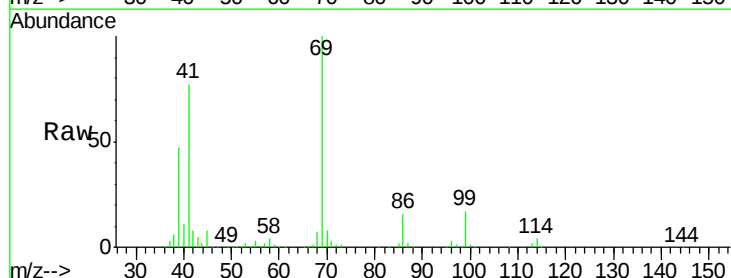
Manual Integrations
APPROVED

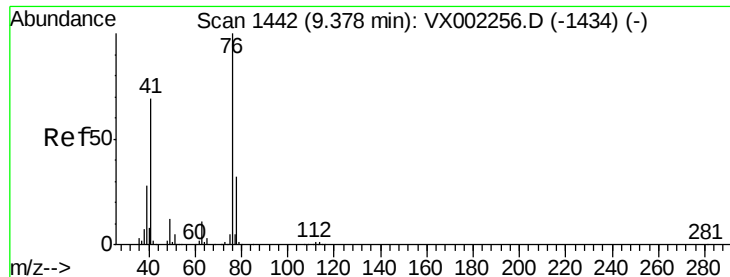
MMDadoda
6/5/2018 5:56:09 PM



#56
Ethyl methacrylate
Concen: 19.151 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:	69	Resp:	100403
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.3	90.5
39	45.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.041 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 76 Resp: 110406

Ion Ratio Lower Upper

76 100

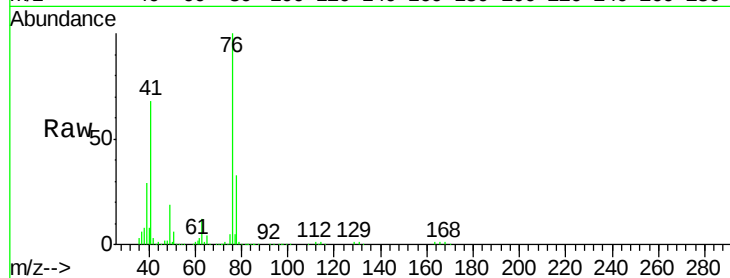
78 32.3 25.8 38.6

Manual Integrations

APPROVED

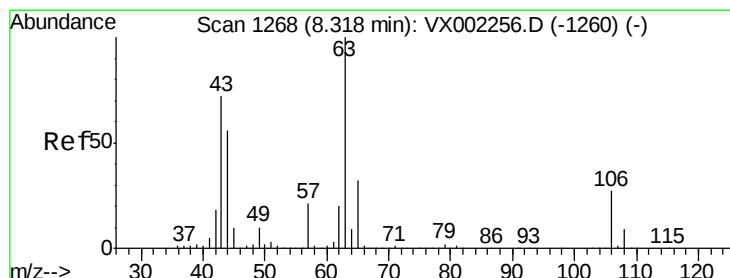
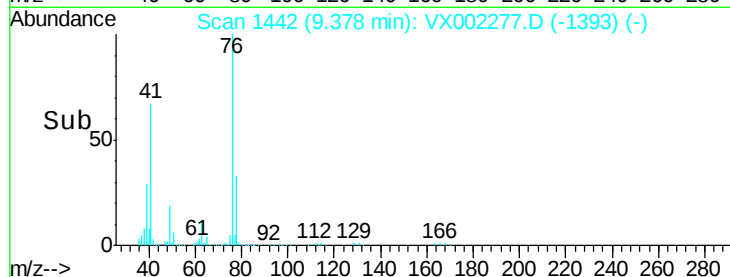
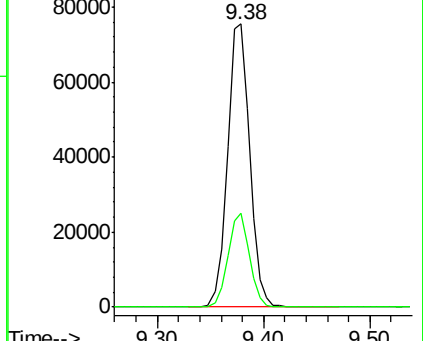
MMDadoda

6/5/2018 5:56:09 PM



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: 100.373 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002277.D

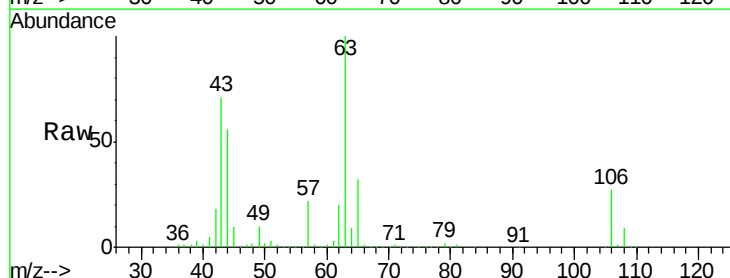
Acq: 04 Jun 2018 23:39

Tgt Ion: 63 Resp: 243559

Ion Ratio Lower Upper

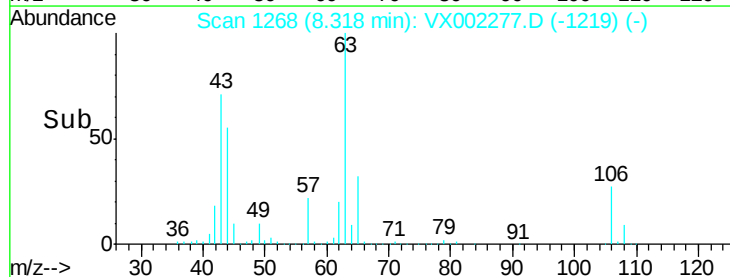
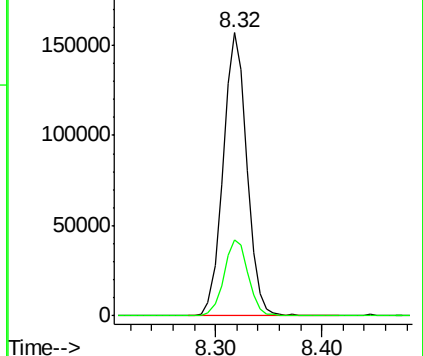
63 100

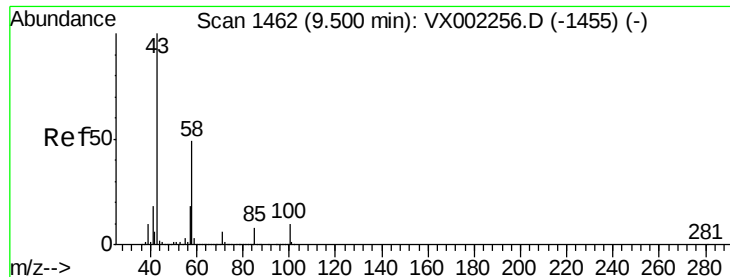
106 27.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





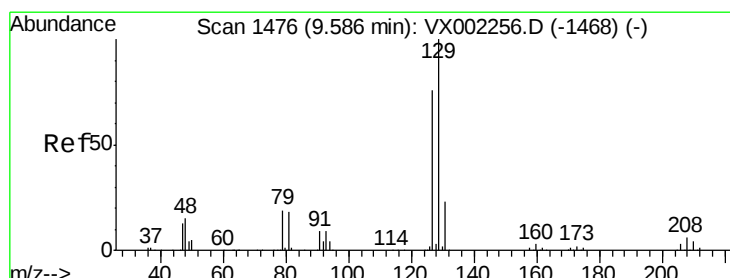
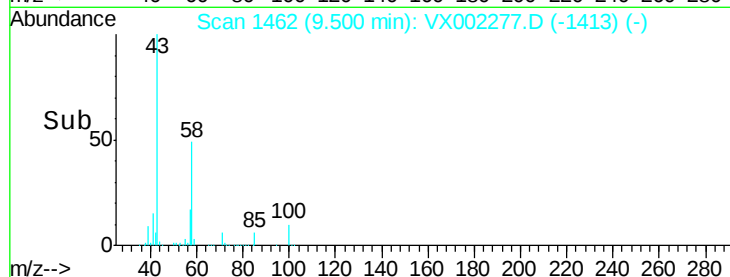
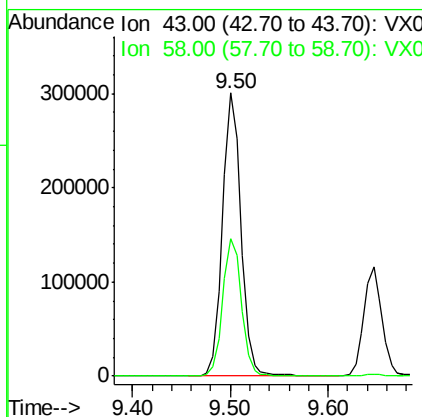
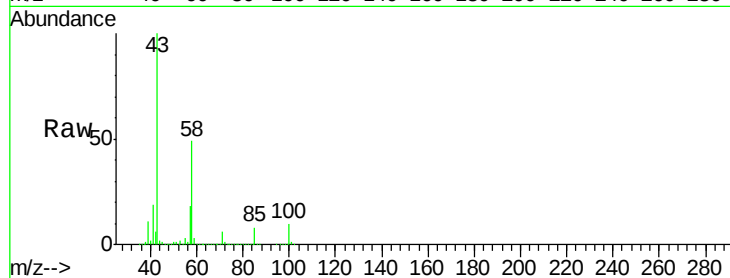
#59
2-Hexanone
Concen: 98.288 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion: 43 Resp: 395383
Ion Ratio Lower Upper
43 100
58 49.7 24.6 73.6

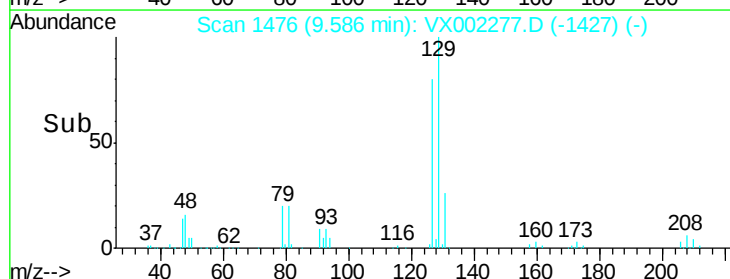
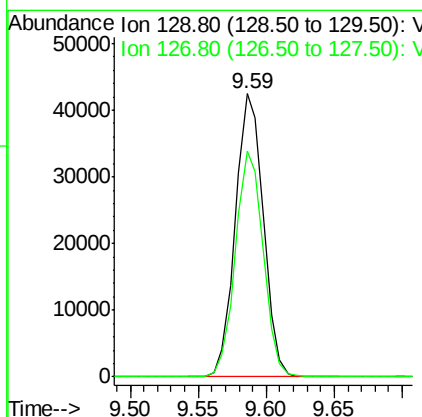
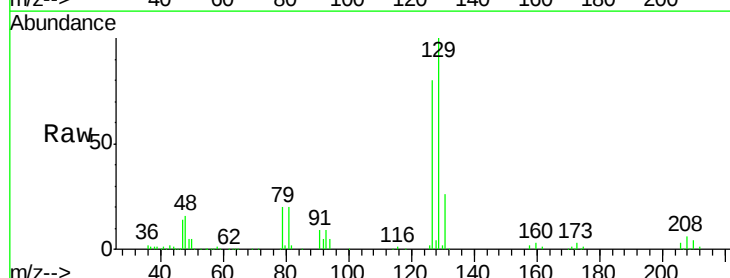
Manual Integrations
APPROVED

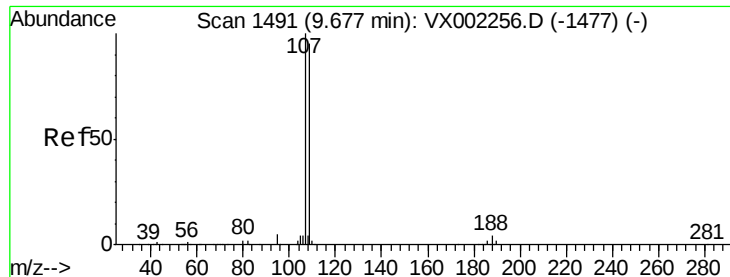
MMDadoda
6/5/2018 5:56:09 PM



#60
Dibromochloromethane
Concen: 18.429 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 129 Resp: 60873
Ion Ratio Lower Upper
129 100
127 79.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.996 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion:107 Resp: 68466

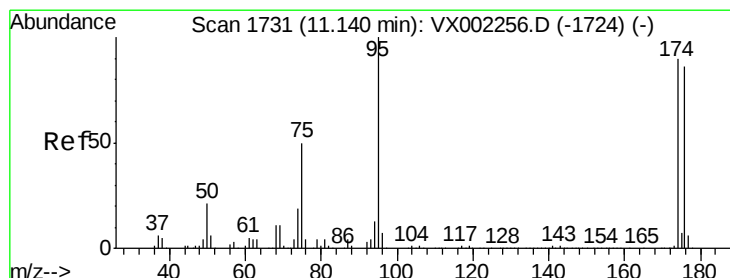
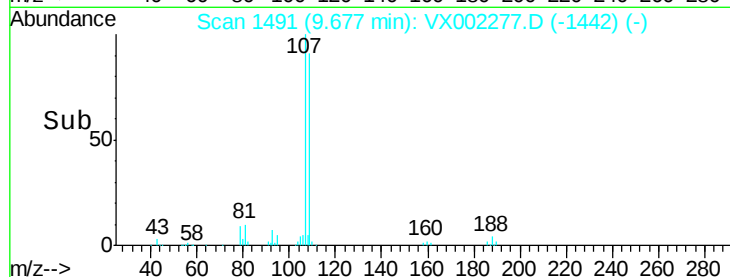
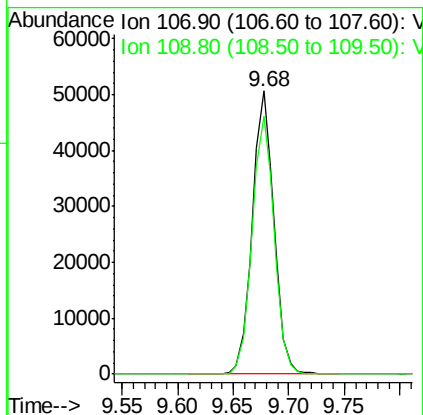
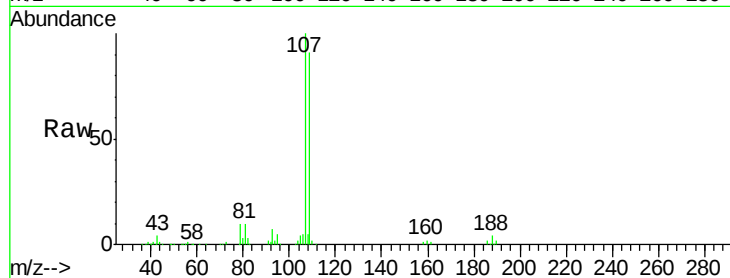
Ion Ratio Lower Upper

107 100

109 93.1 75.3 112.9

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#62

4-Bromofluorobenzene

Concen: 45.281 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

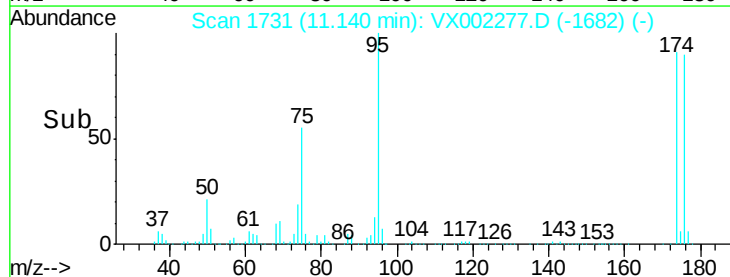
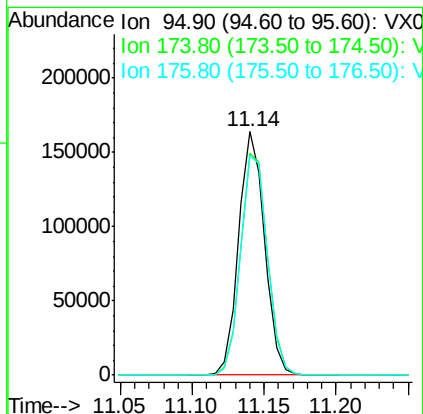
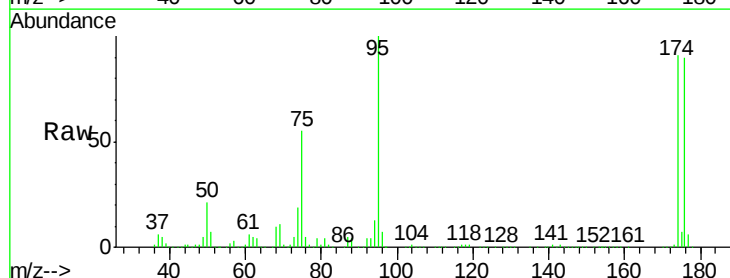
Tgt Ion: 95 Resp: 204973

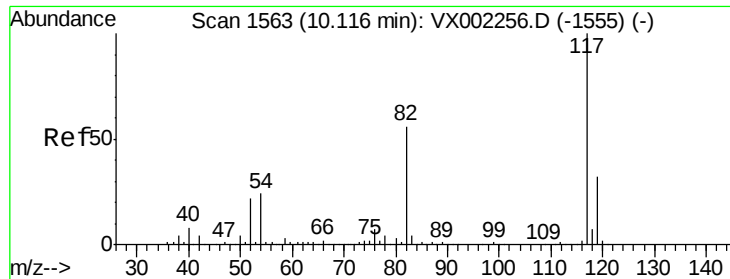
Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.4

176 93.1 0.0 181.0





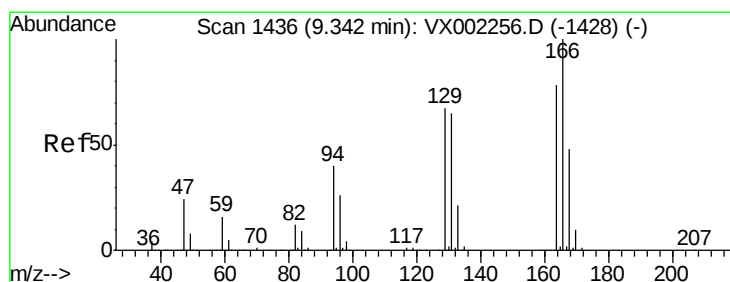
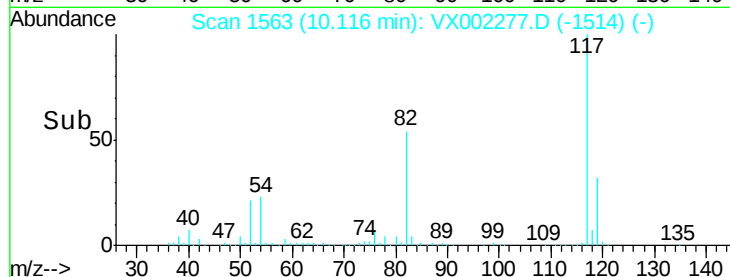
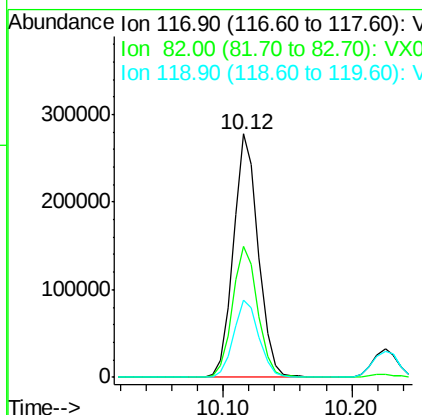
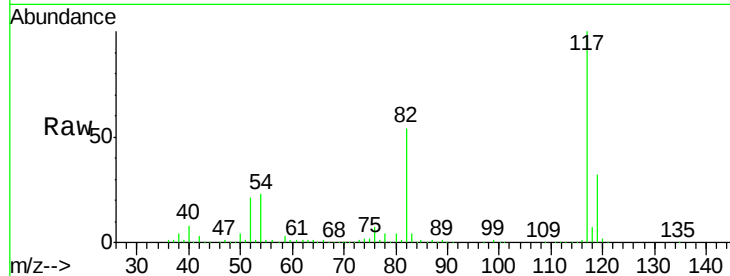
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	31.6	25.8	38.6

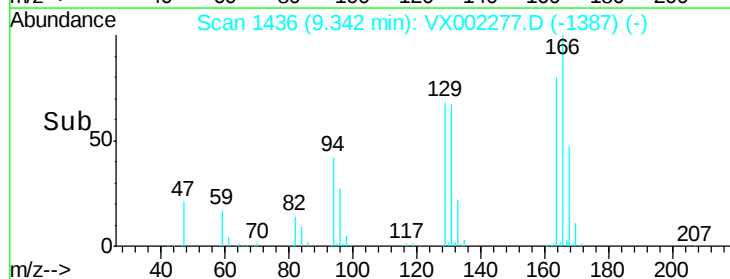
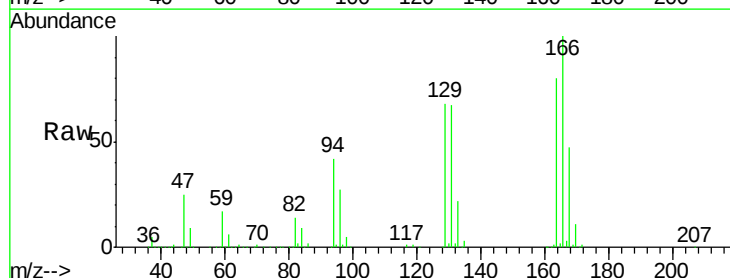
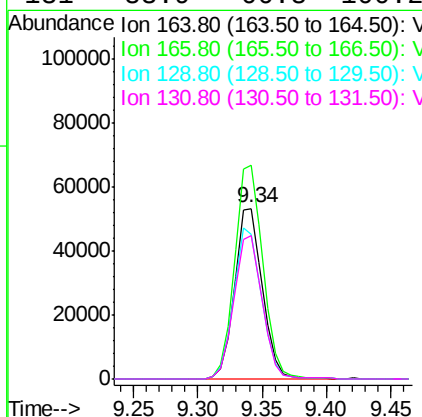
Manual Integrations
APPROVED

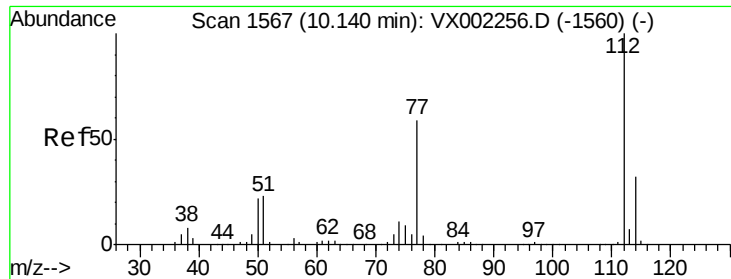
MMDadoda
6/5/2018 5:56:09 PM



#64
Tetrachloroethene
Concen: 20.794 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.9	154.3
129	85.0	68.6	102.8
131	83.9	66.8	100.2





#65

Chlorobenzene

Concen: 19.876 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion:112 Resp: 184918

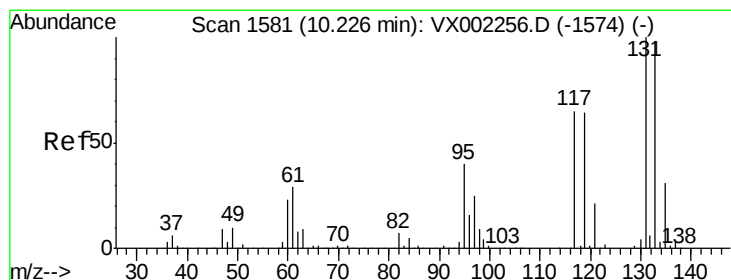
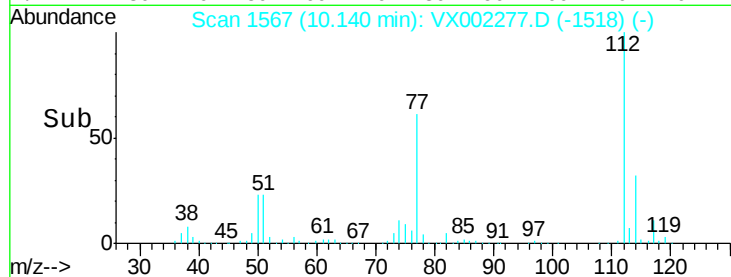
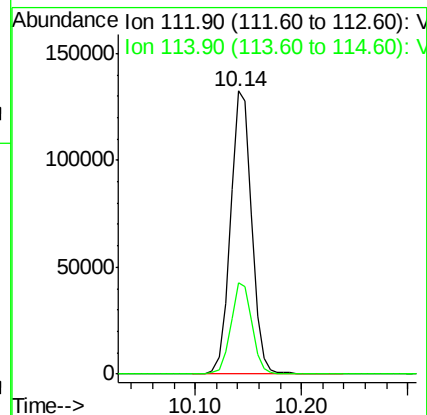
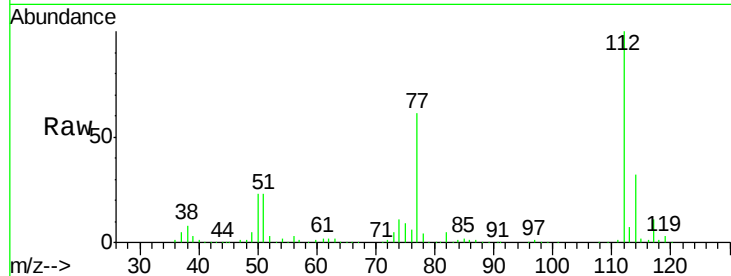
Ion Ratio Lower Upper

112 100

114 32.3 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.061 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

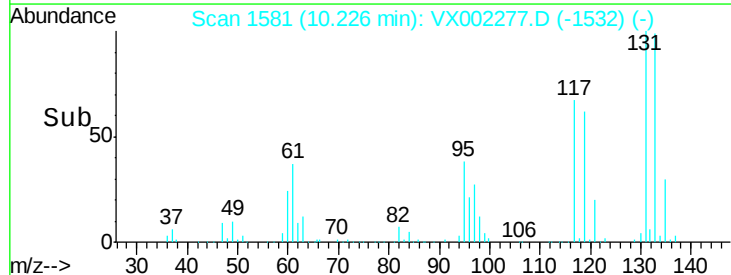
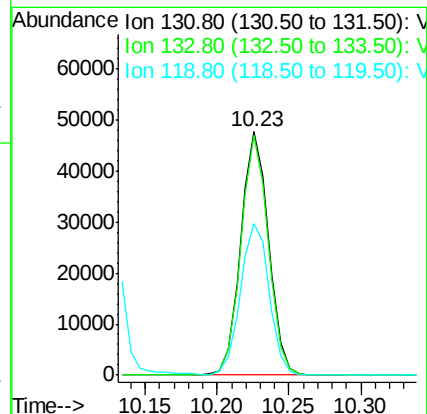
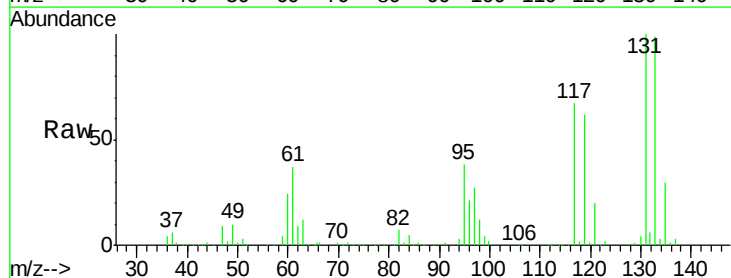
Tgt Ion:131 Resp: 64211

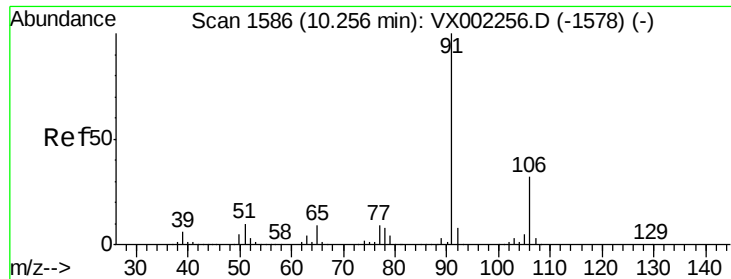
Ion Ratio Lower Upper

131 100

133 96.6 47.9 143.6

119 64.4 31.8 95.3





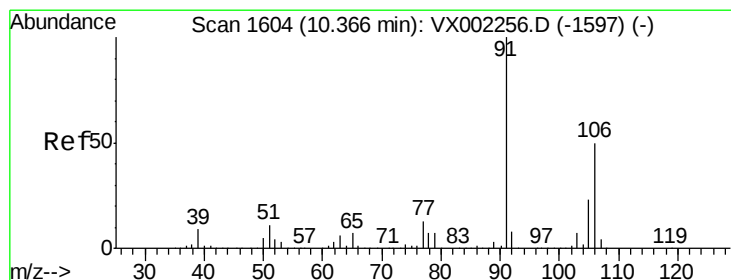
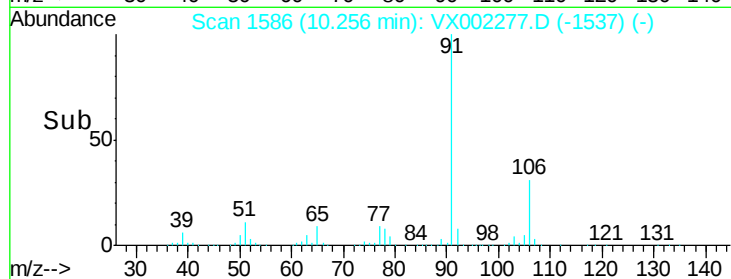
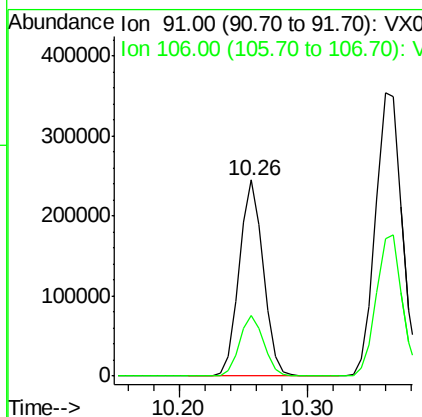
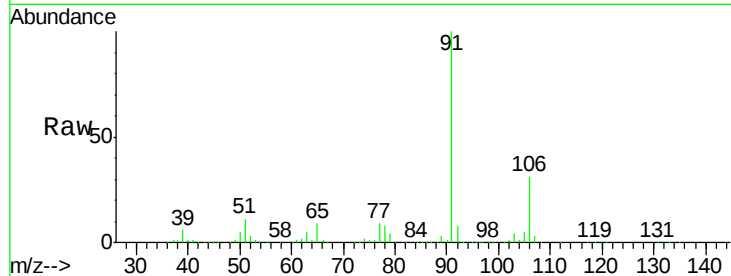
#67
Ethyl Benzene
Concen: 20.358 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion: 91 Resp: 316970
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

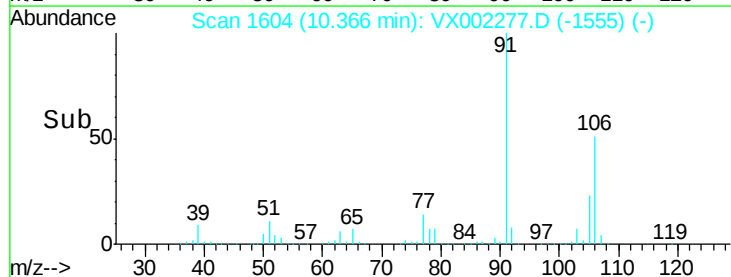
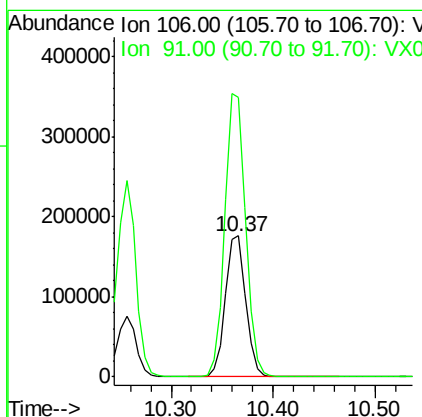
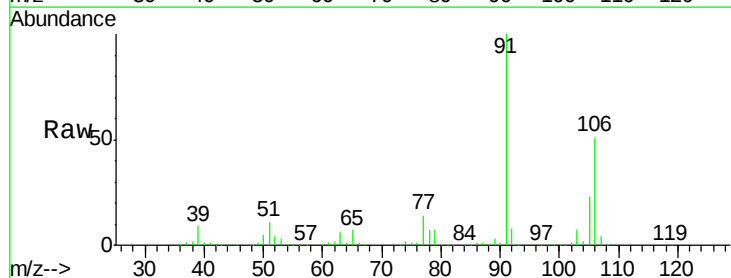
Manual Integrations
APPROVED

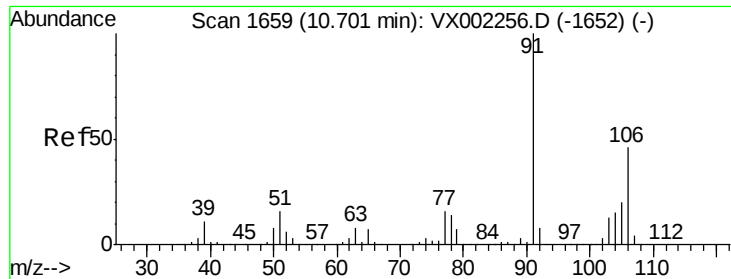
MMDadoda
6/5/2018 5:56:09 PM



#68
m/p-Xylenes
Concen: 40.359 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 106 Resp: 244263
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2





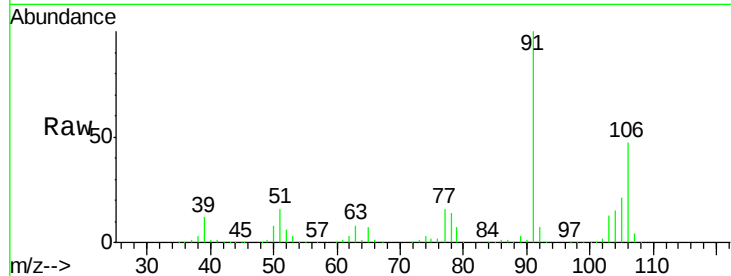
#69
o-Xylene
Concen: 20.124 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

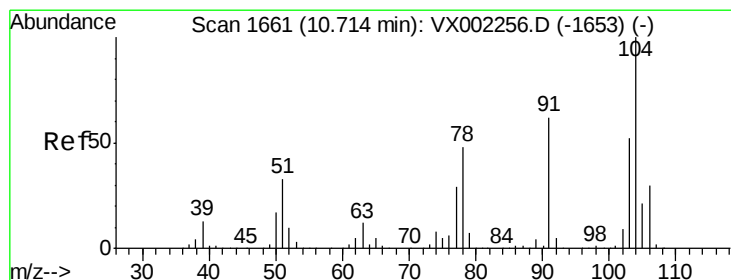
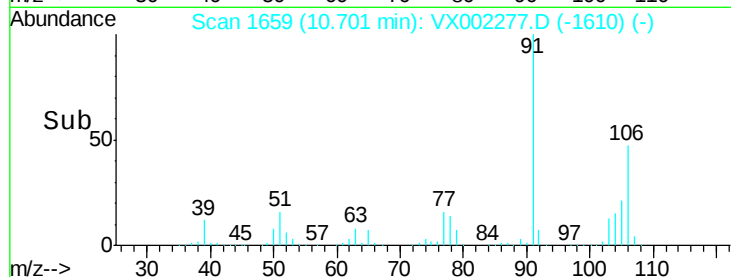
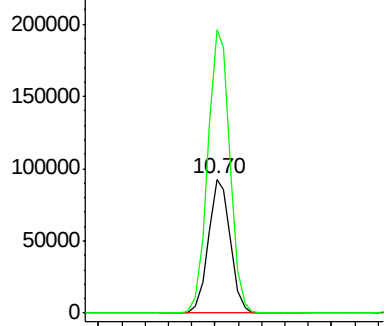
Tot Ion:106 Resp: 121208
Ion Ratio Lower Upper
106 100
91 213.7 108.2 324.6

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM

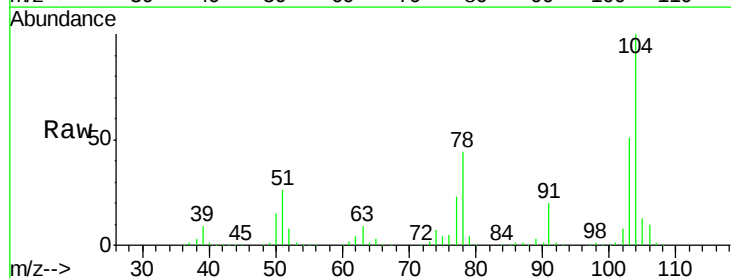


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

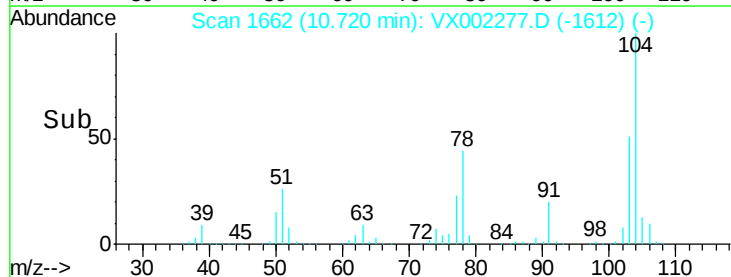
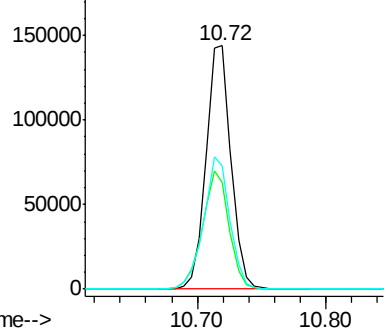


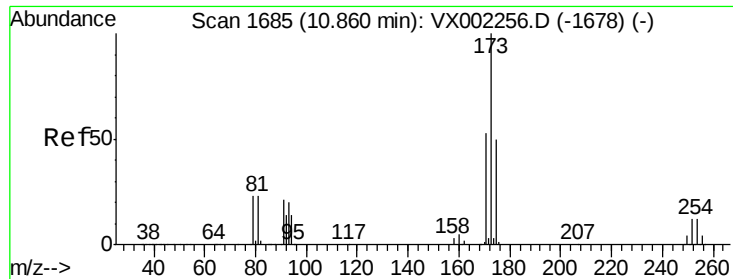
#70
Styrene
Concen: 19.787 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:104 Resp: 194823
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.6
103 57.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.364 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion:173 Resp: 45072

Ion Ratio Lower Upper

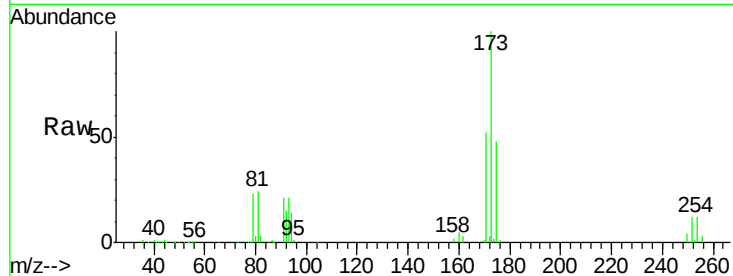
173 100

175 49.0 24.7 74.1

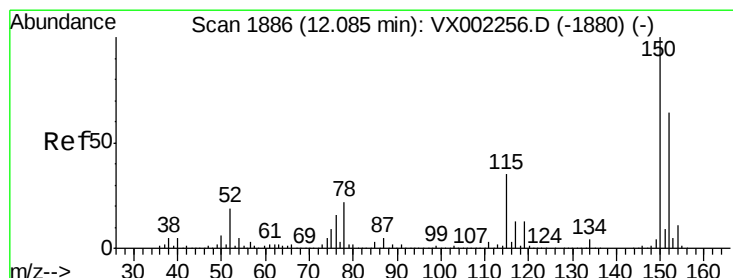
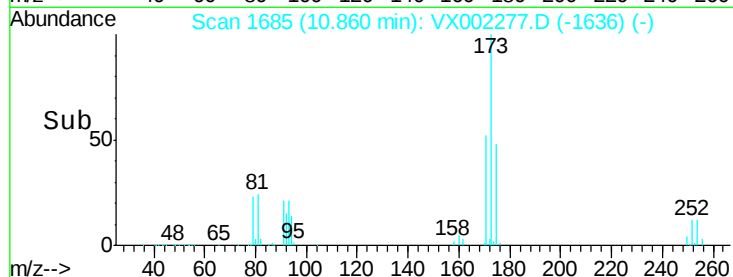
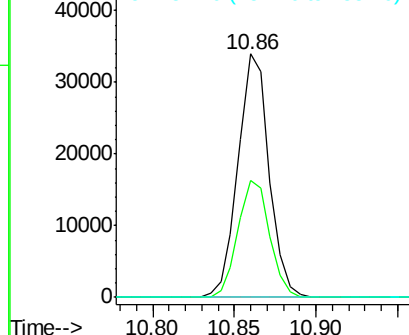
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

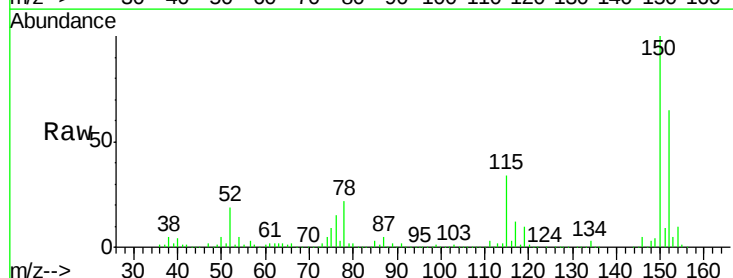
Tgt Ion:152 Resp: 225254

Ion Ratio Lower Upper

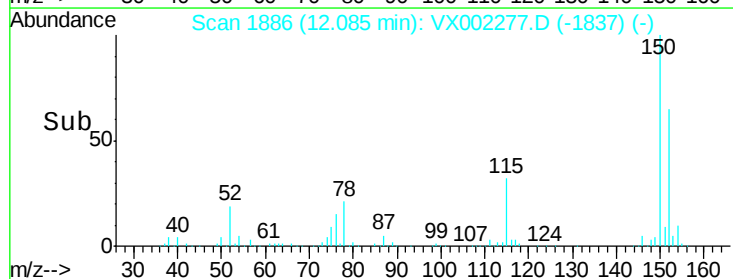
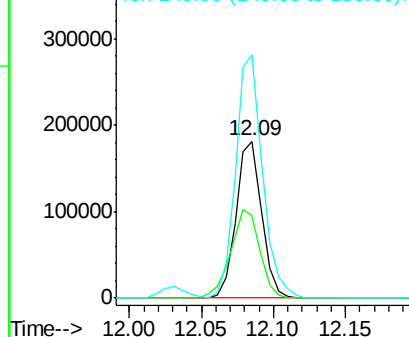
152 100

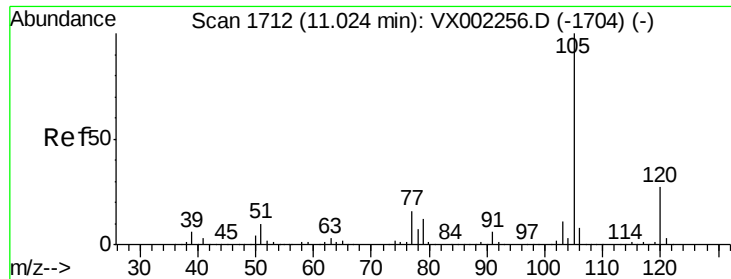
115 64.4 40.1 120.2

150 163.1 0.0 347.2



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: 20.648 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 105 Resp: 323551

Ion Ratio Lower Upper

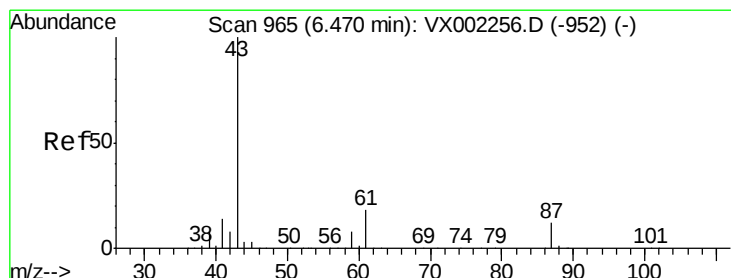
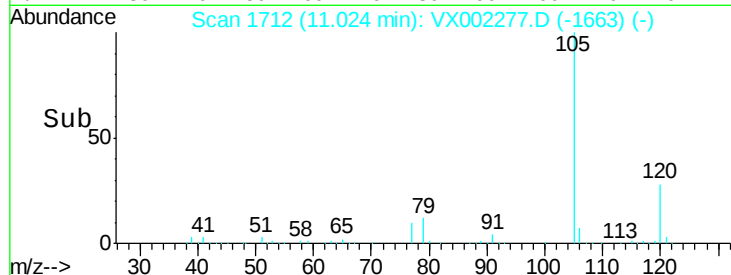
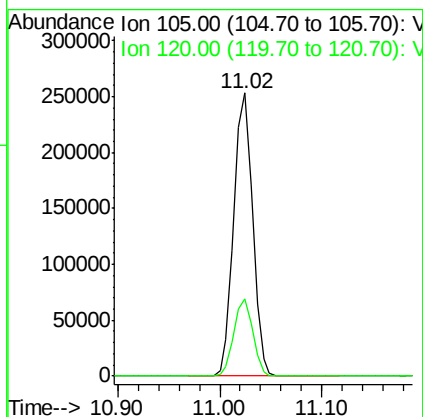
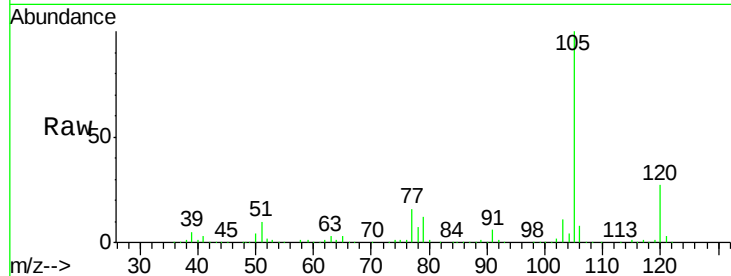
105 100

120 27.2 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

6/5/2018 5:56:09 PM



#74

N-ethyl acetate

Concen: 19.050 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion: 43 Resp: 160850

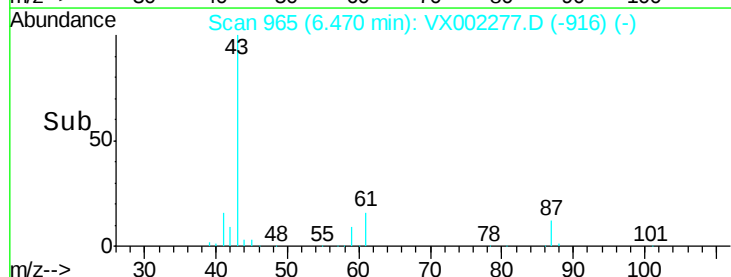
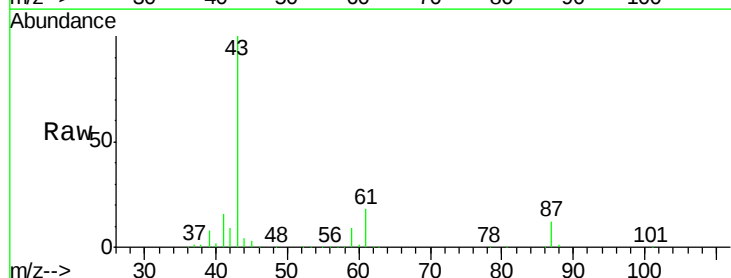
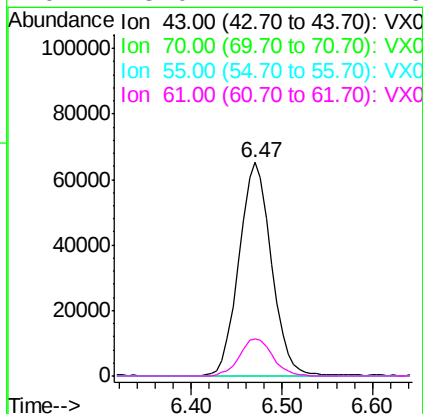
Ion Ratio Lower Upper

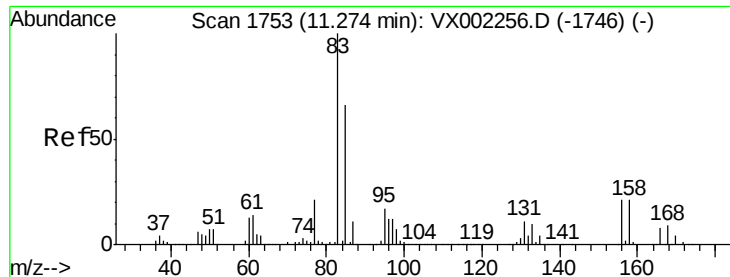
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.196 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

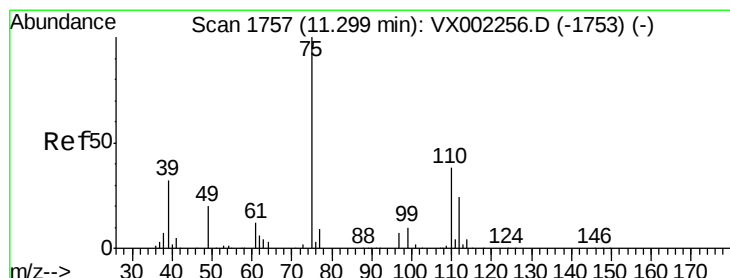
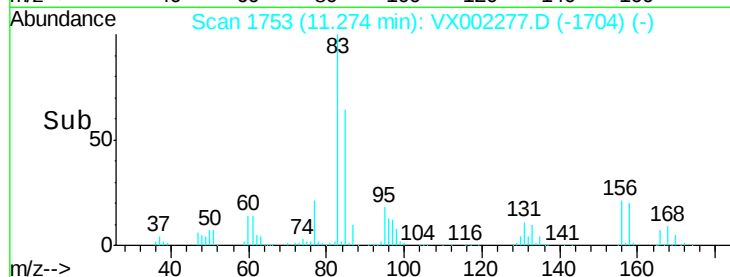
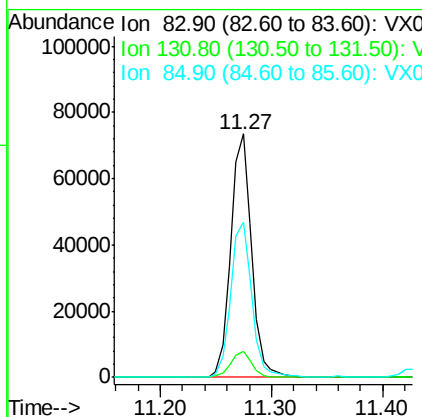
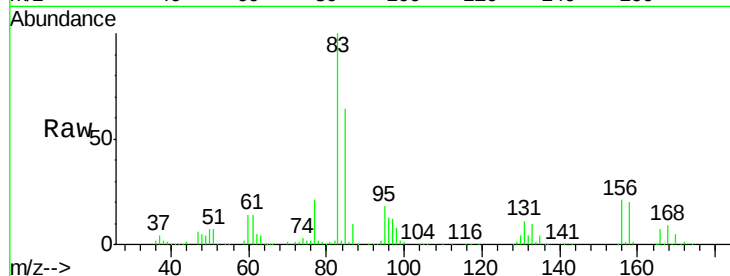
ClientSampled :

VX0604WBS02

Tot Ion:	83	Resp:	94603
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	65.0	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#76

1,2,3-Trichloropropane

Concen: 19.101 ug/l m

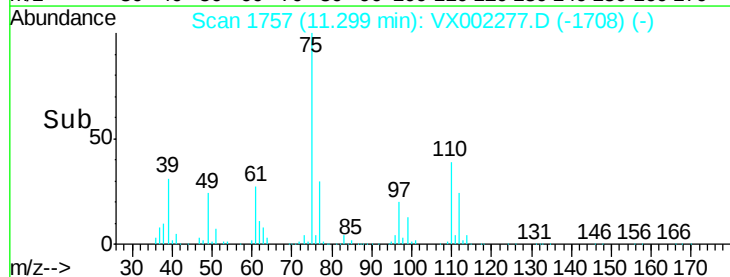
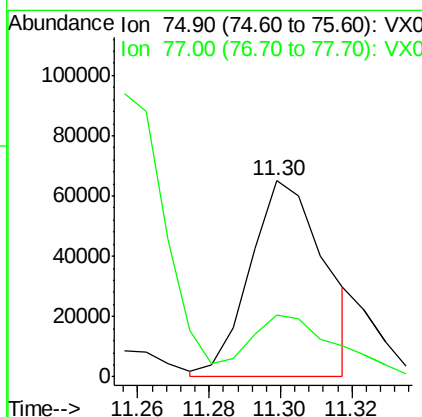
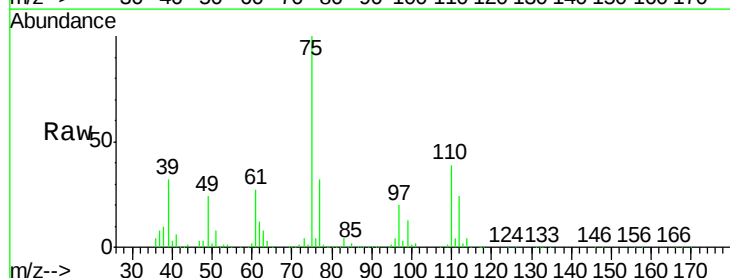
RT: 11.30 min Scan# 1757

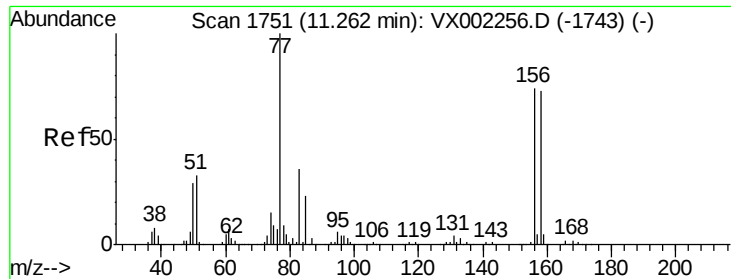
Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion:	75	Resp:	94412
Ion Ratio	Lower	Upper	
75	100		
77	36.7	22.8	68.3





#77

Bromobenzene

Concen: 19.964 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion:156 Resp: 87823

Ion Ratio Lower Upper

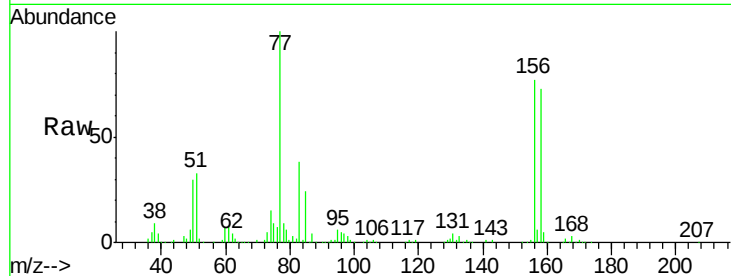
156 100

77 139.1 71.4 214.2

158 96.9 48.9 146.6

Manual Integrations
APPROVED

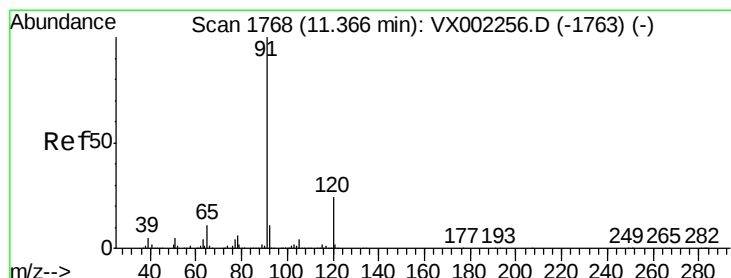
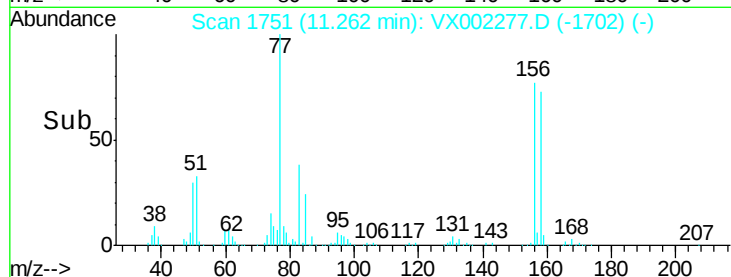
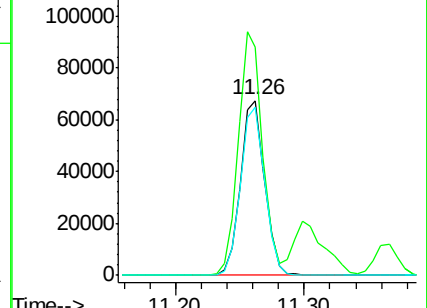
MMDadoda
6/5/2018 5:56:09 PM



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: 20.893 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002277.D

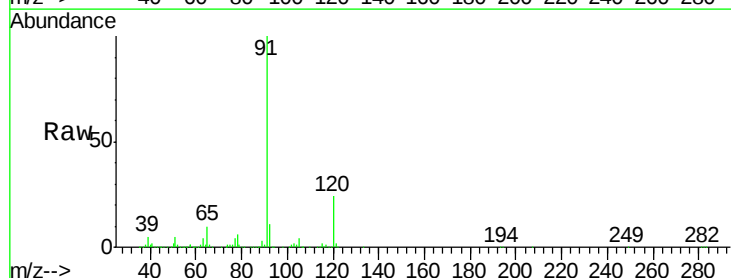
Acq: 04 Jun 2018 23:39

Tgt Ion: 91 Resp: 363891

Ion Ratio Lower Upper

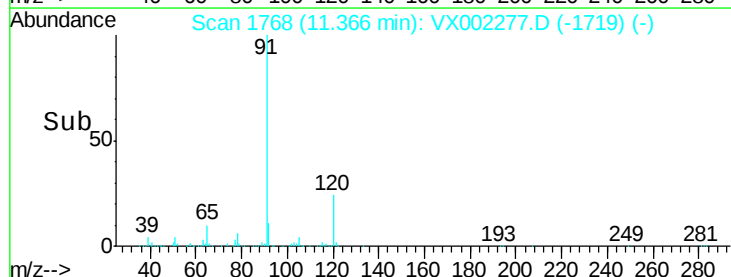
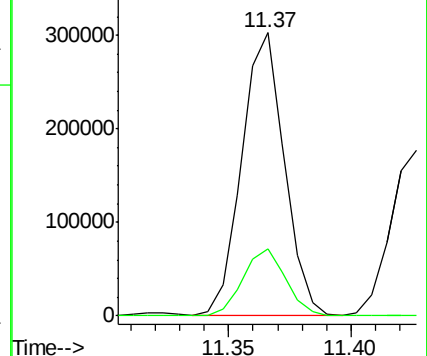
91 100

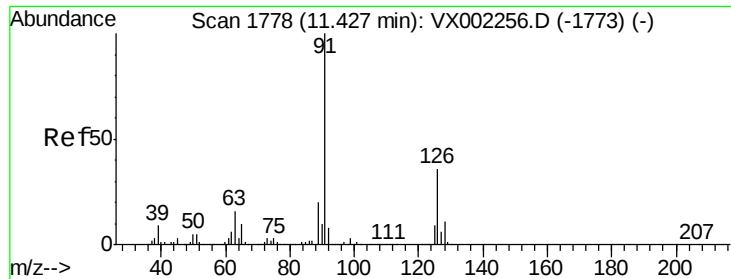
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.013 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 91 Resp: 220085

Ion Ratio Lower Upper

91 100

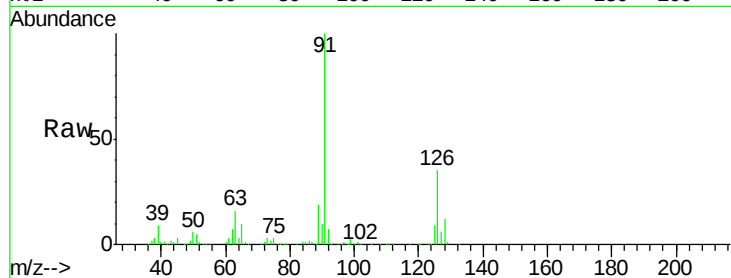
126 35.2 17.7 53.1

Manual Integrations

APPROVED

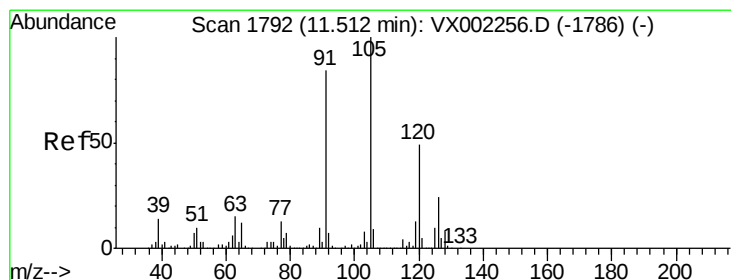
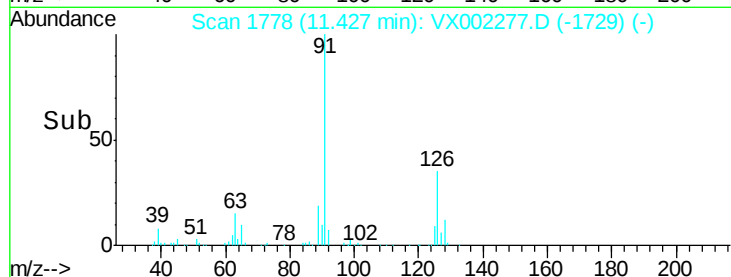
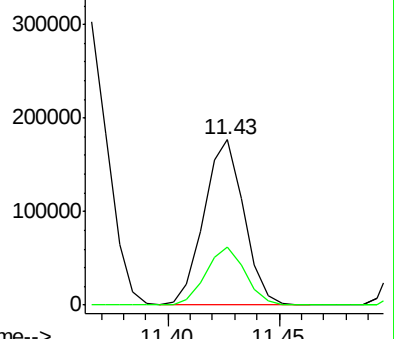
MMDadoda

6/5/2018 5:56:09 PM



Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002256.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.314 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002277.D

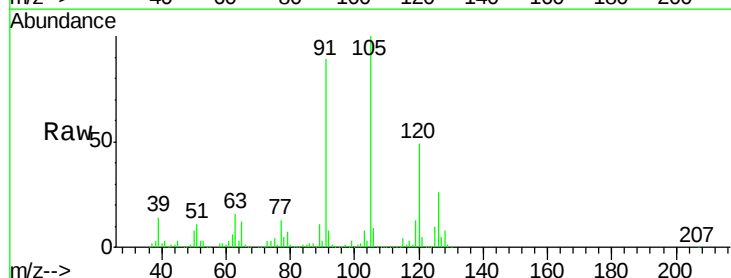
Acq: 04 Jun 2018 23:39

Tgt Ion: 105 Resp: 273027

Ion Ratio Lower Upper

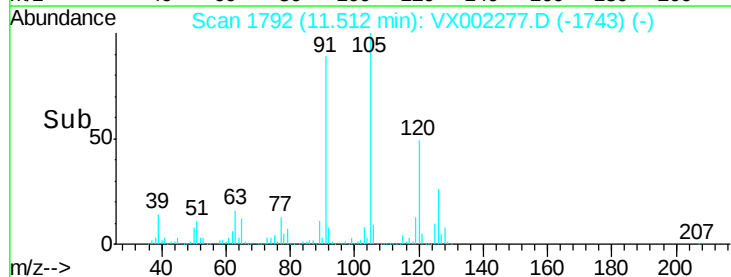
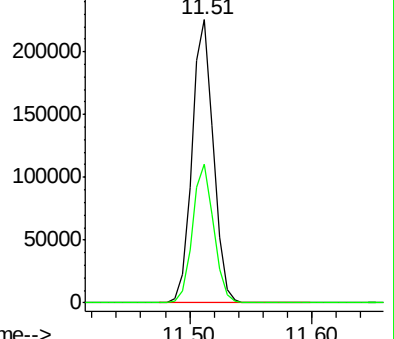
105 100

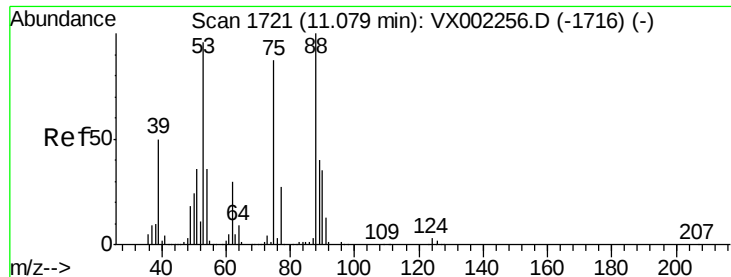
120 48.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002256.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.627 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

Tot Ion: 75 Resp: 22034

Ion Ratio Lower Upper

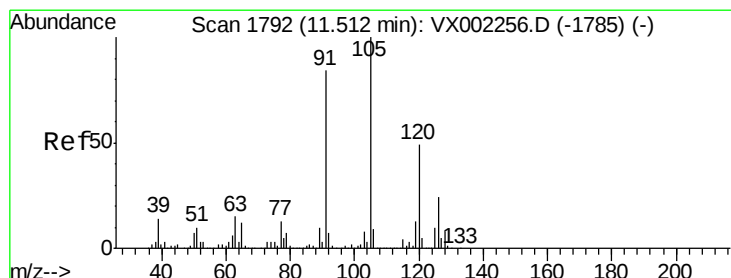
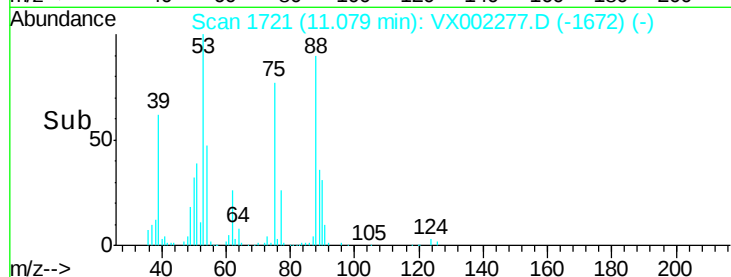
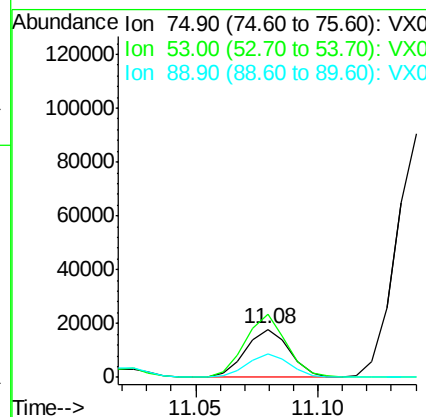
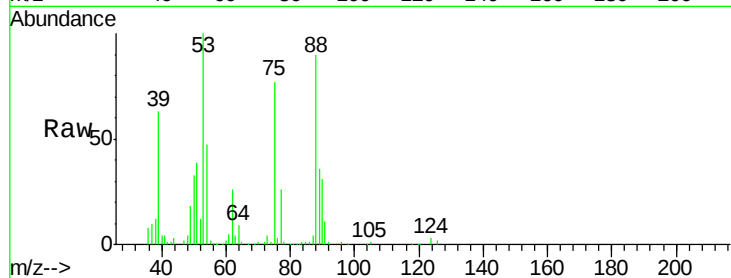
75 100

53 123.8 86.8 130.2

89 48.3 38.2 57.2

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#82

4-Chlorotoluene

Concen: 20.144 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002277.D

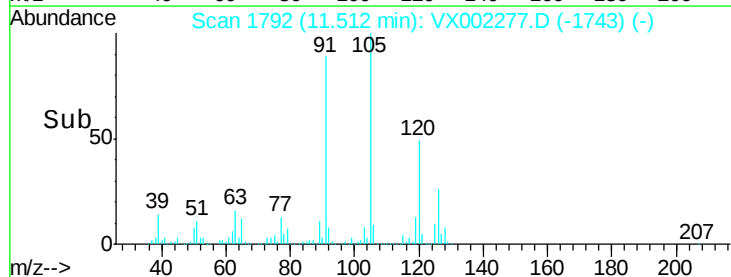
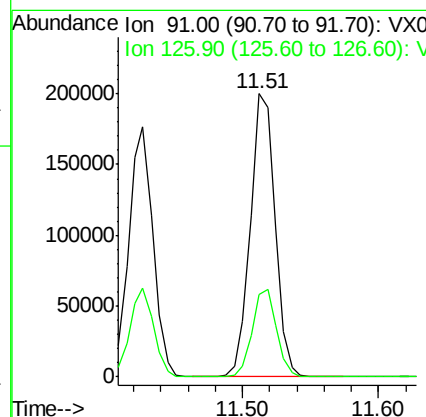
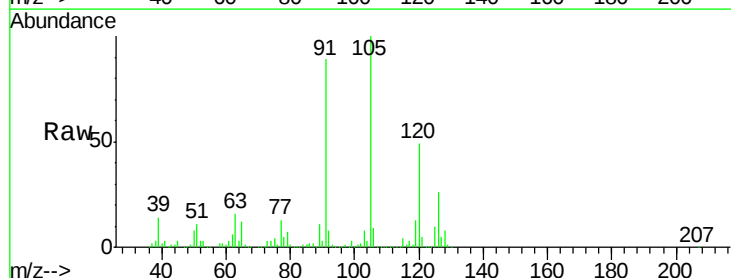
Acq: 04 Jun 2018 23:39

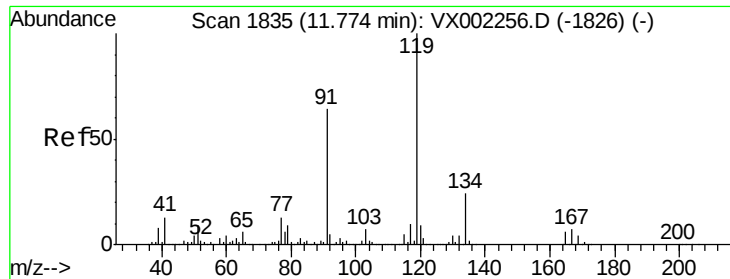
Tgt Ion: 91 Resp: 255696

Ion Ratio Lower Upper

91 100

126 30.4 15.4 46.4





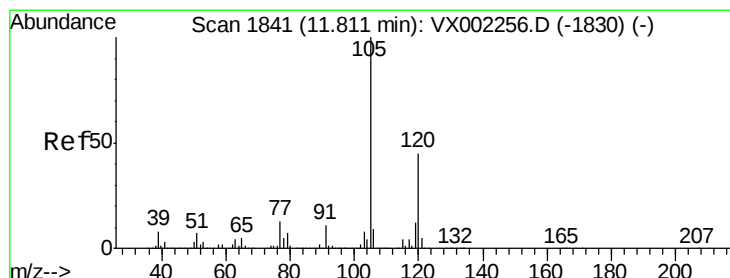
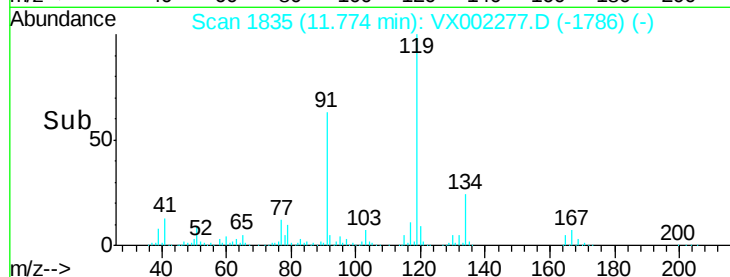
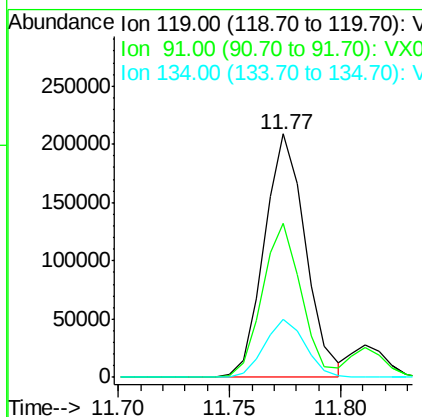
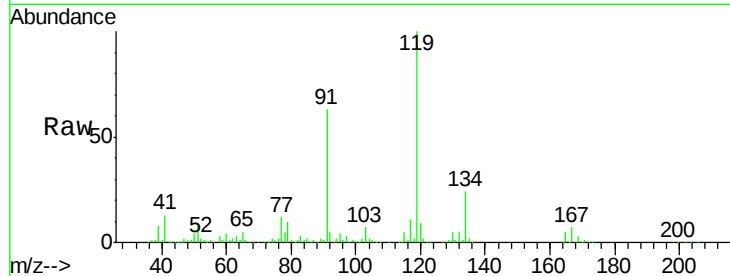
#83
tert-Butylbenzene
Concen: 20.415 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	267188		
91	60.8	30.3	90.9	
134	23.6	11.7	35.1	

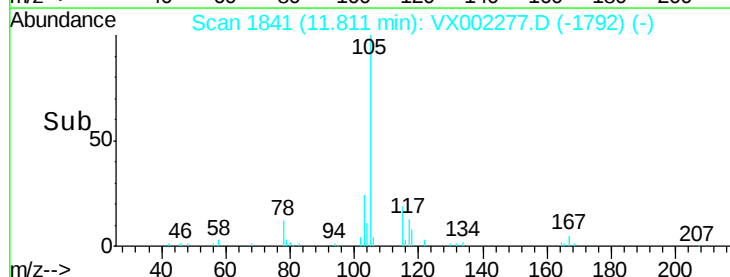
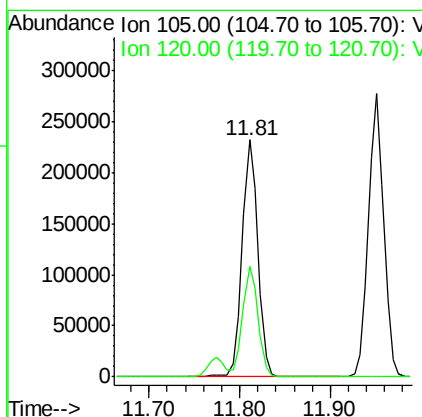
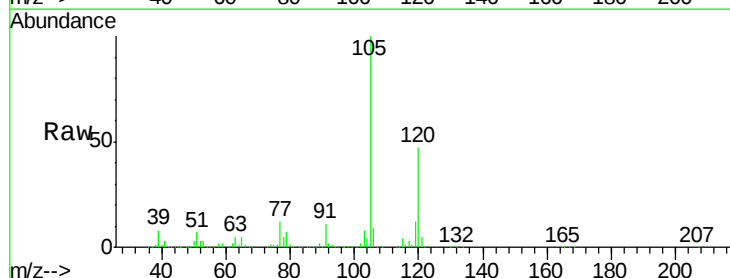
Manual Integrations
APPROVED

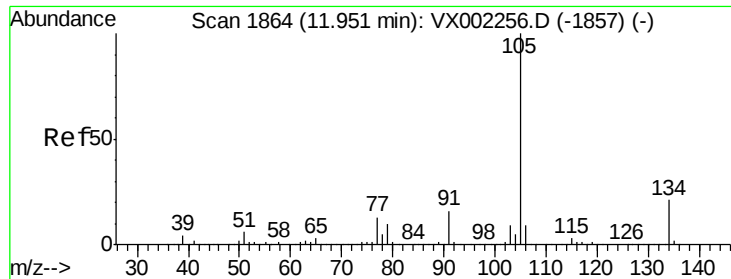
MMDadoda
6/5/2018 5:56:09 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.185 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279269		
120	45.3	22.3	66.8	





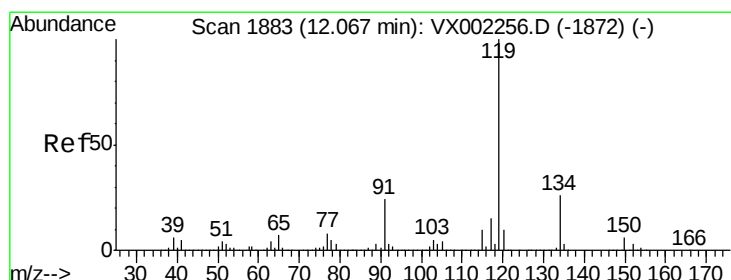
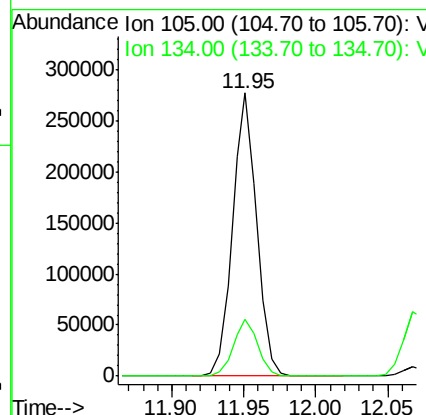
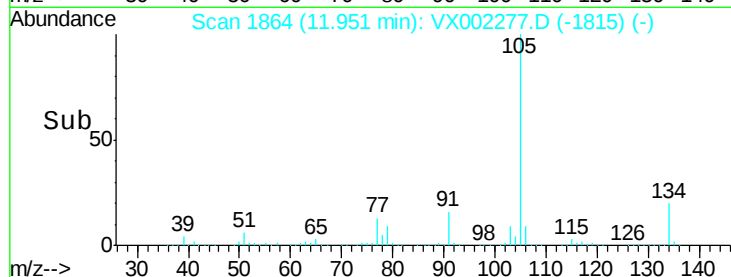
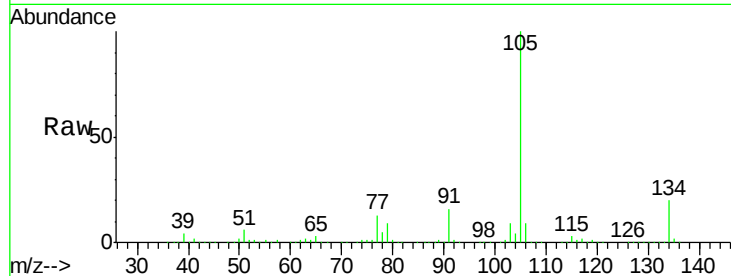
#85
 sec-Butylbenzene
 Concen: 21.224 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Tot Ion:105 Resp: 325645
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1

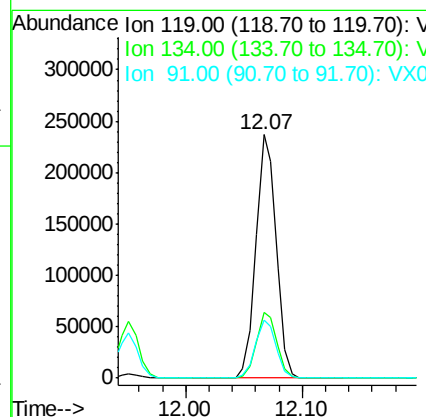
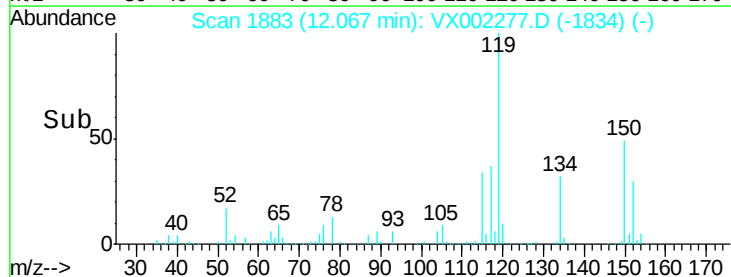
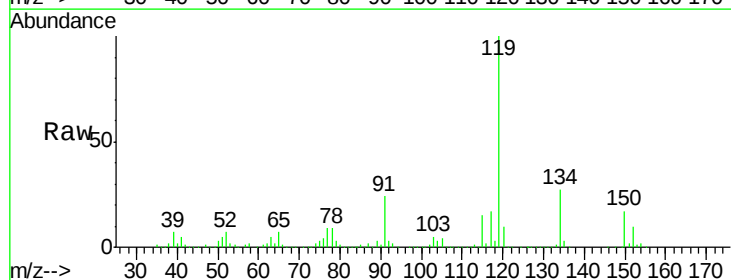
Manual Integrations
 APPROVED

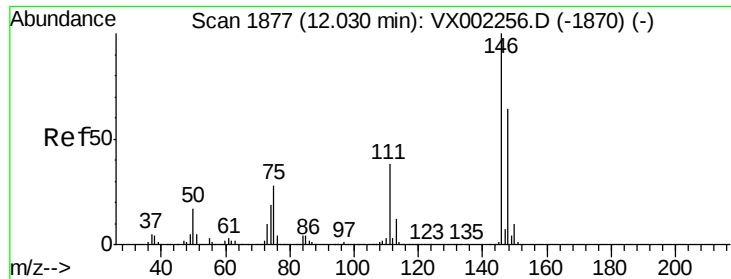
MMDadoda
 6/5/2018 5:56:09 PM



#86
 p-Isopropyltoluene
 Concen: 20.548 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion:119 Resp: 287170
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 24.5 11.9 35.7





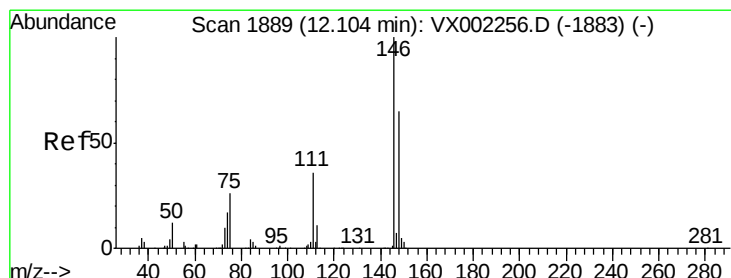
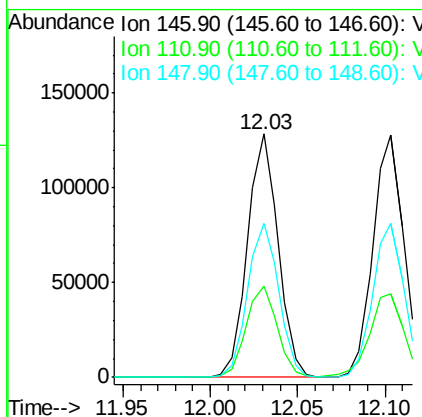
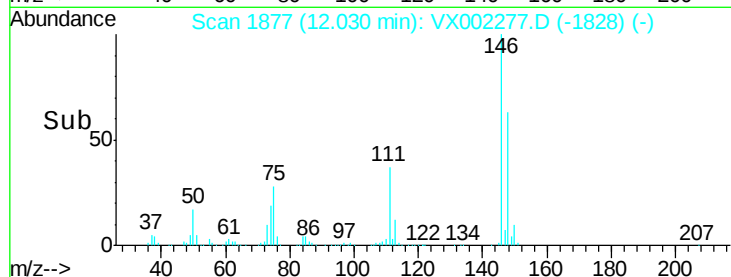
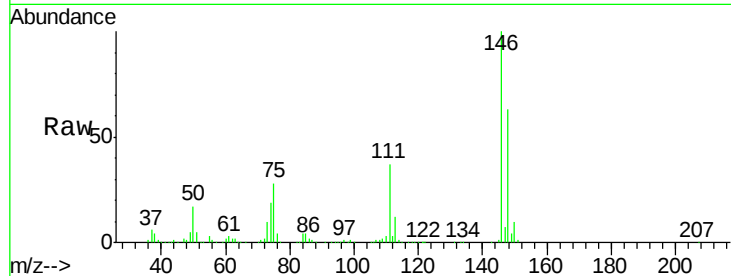
#87
 1,3-Dichlorobenzene
 Concen: 19.834 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.7
148	64.6	32.1	96.3

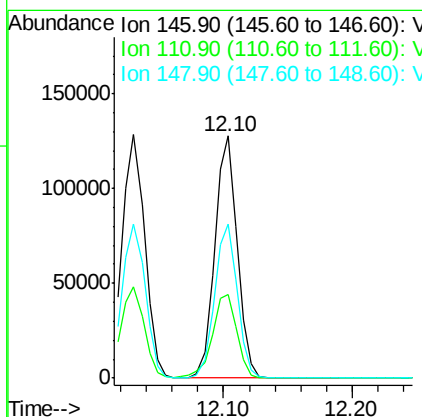
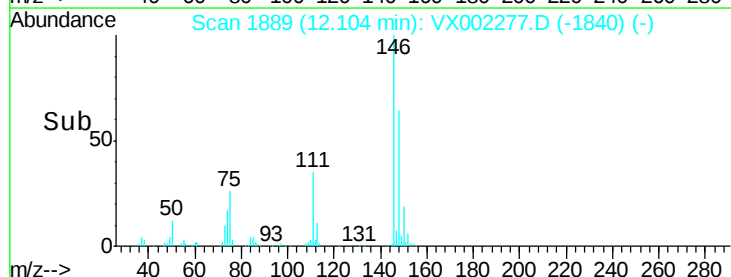
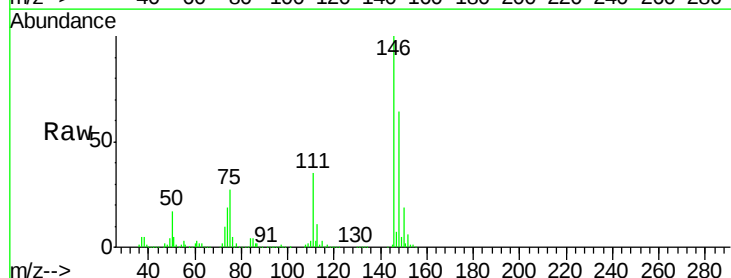
Manual Integrations
 APPROVED

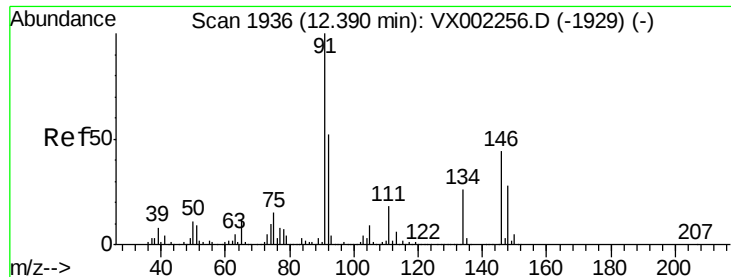
MMDadoda
 6/5/2018 5:56:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.354 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.6	32.4	97.0





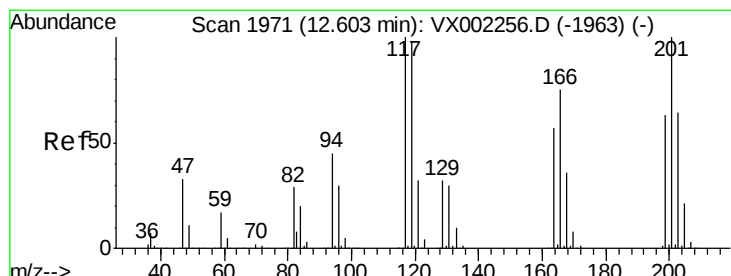
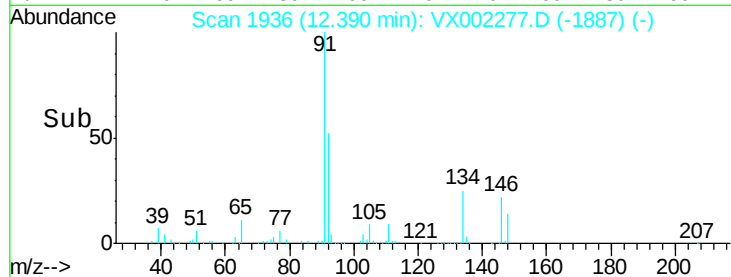
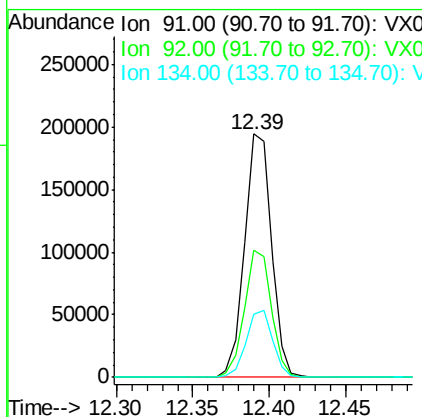
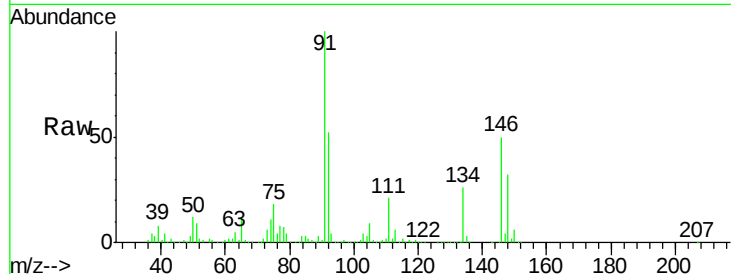
#89
n-Butylbenzene
Concen: 20.294 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.0	13.5	40.5

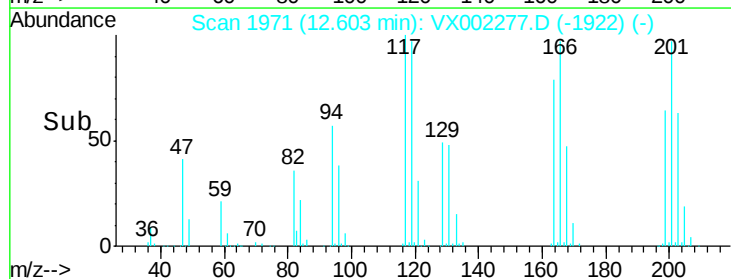
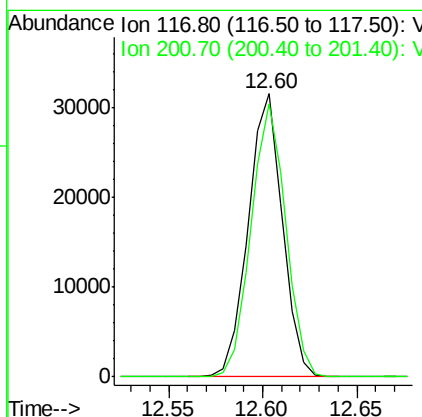
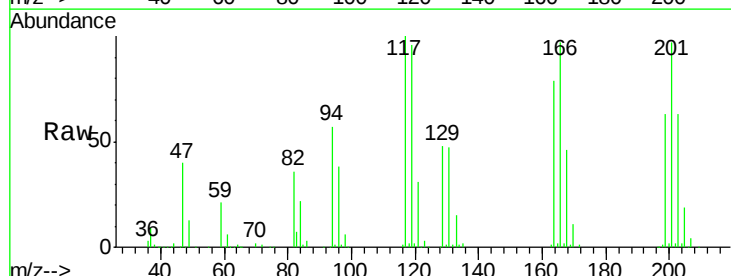
Manual Integrations
APPROVED

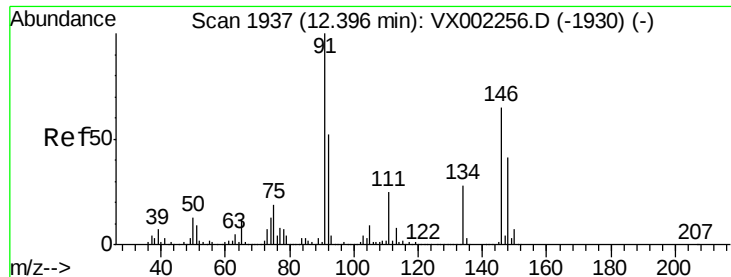
MMDadoda
6/5/2018 5:56:09 PM



#90
Hexachloroethane
Concen: 17.828 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 19.810 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

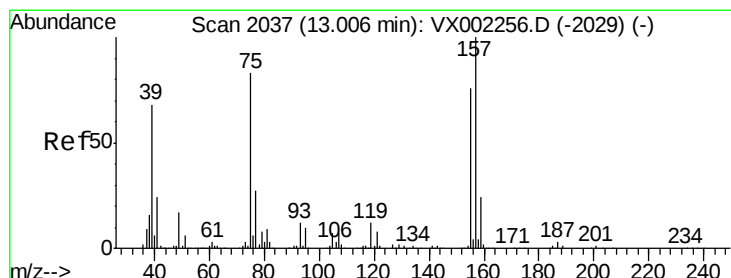
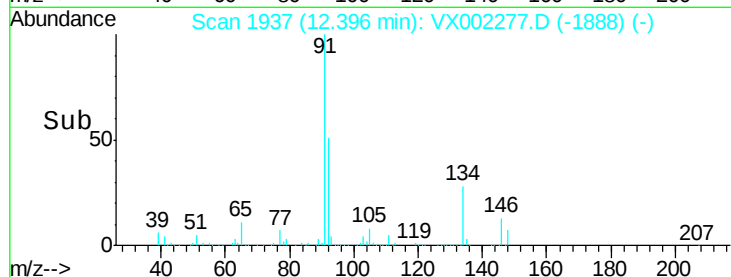
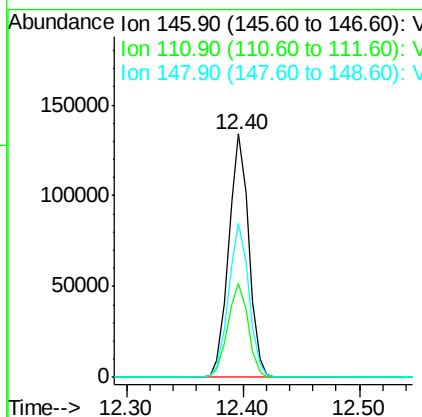
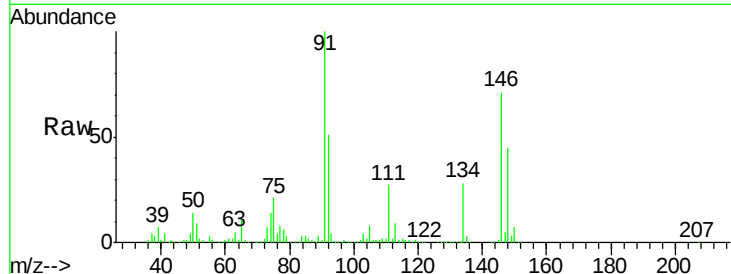
ClientSampleId :

VX0604WBS02

Tot Ion:	146	Resp:	161216
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.4	58.1
148	63.7	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.002 ug/l

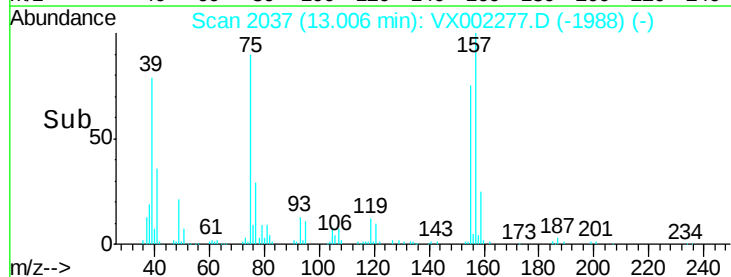
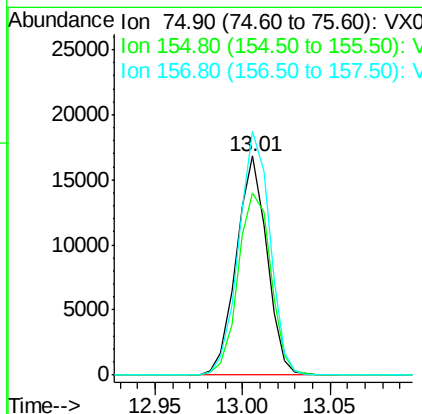
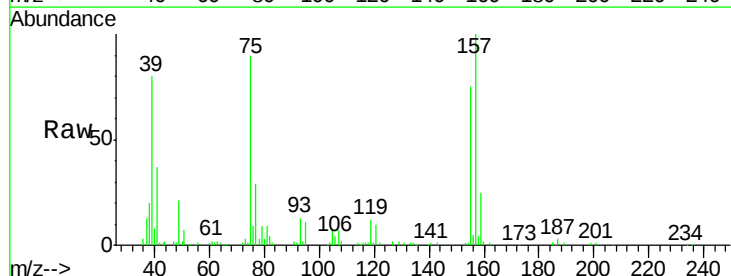
RT: 13.01 min Scan# 2037

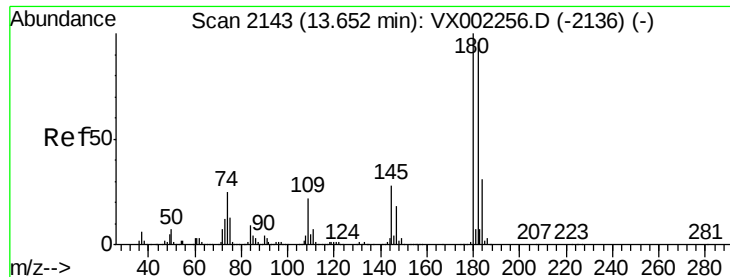
Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion:	75	Resp:	20479
Ion Ratio	Lower	Upper	
75	100		
155	89.5	45.8	137.4
157	113.4	60.1	180.3





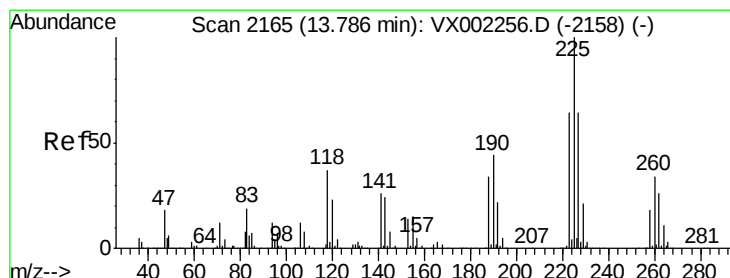
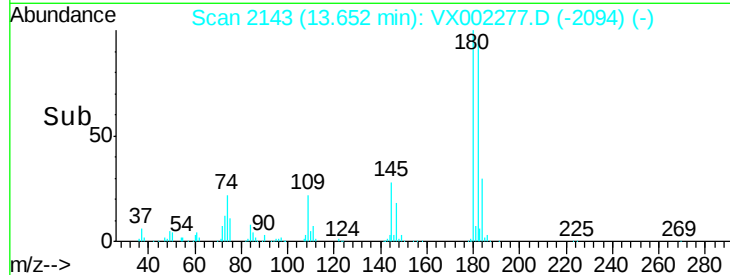
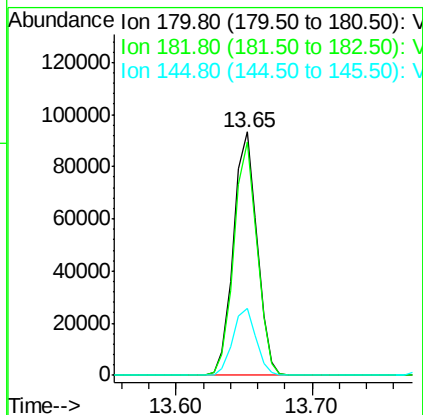
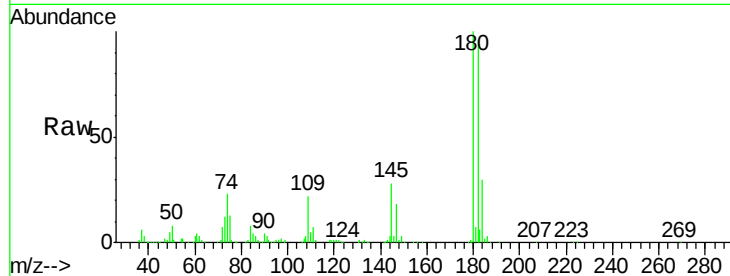
#93
 1,2,4-Trichlorobenzene
 Concen: 19.728 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.7	143.1	
145	27.5	14.1	42.4	

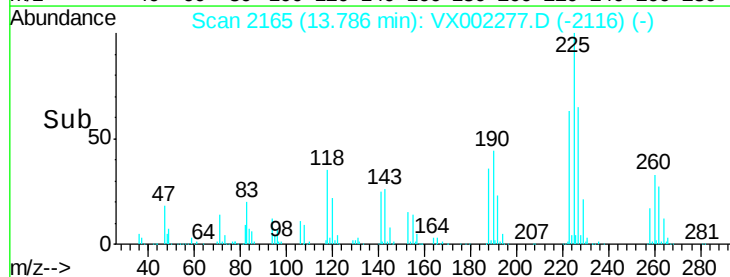
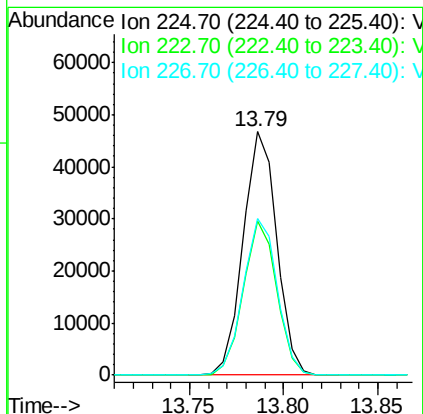
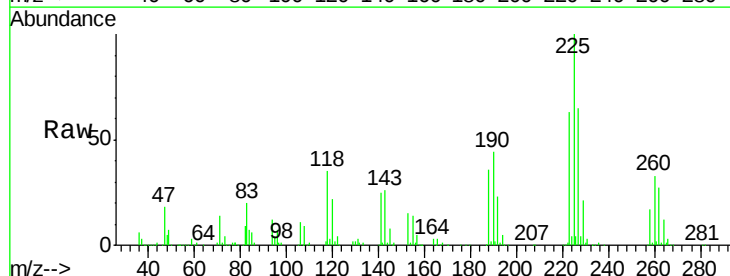
Manual Integrations
 APPROVED

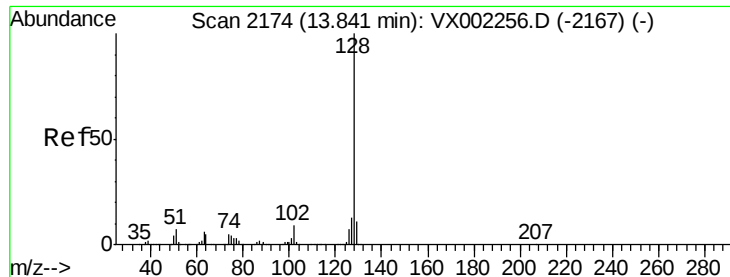
MMDadoda
 6/5/2018 5:56:09 PM



#94
 Hexachlorobutadiene
 Concen: 20.504 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.6	95.0	
227	65.3	32.4	97.2	





#95

Naphthalene

Concen: 20.190 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

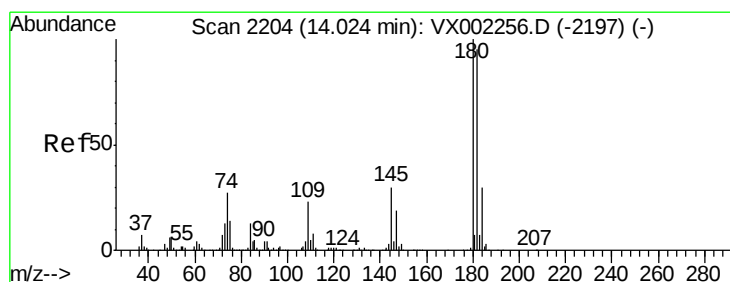
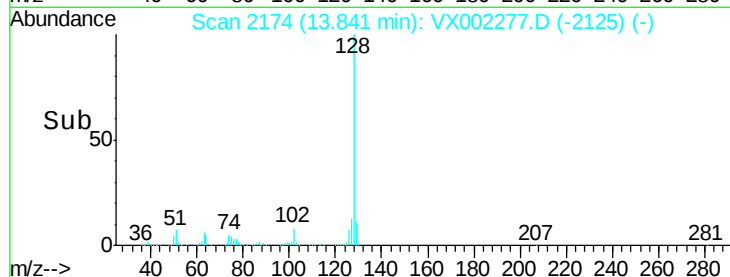
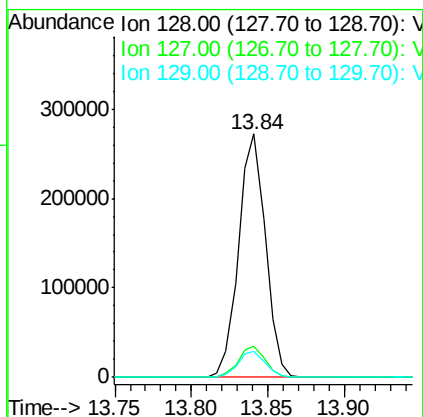
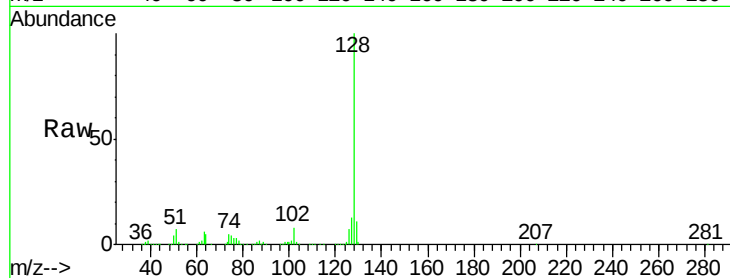
ClientSampleId :

VX0604WBS02

Tot Ion:	128	Resp:	331028
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.053 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion:	180	Resp:	116703
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.0
145	29.3	14.8	44.3

