

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002931.D
 Acq On : 27 Jun 2018 12:59
 Operator : JC/MD
 Sample : VX0627MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0627MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:47:52 PM

Quant Time: Jun 28 03:46:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	182683	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	5.51	113	144668	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	8.72	98	529076	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.14	95	201420	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44540	18.75	ug/l	98
3) Chloromethane	1.32	50	49303	19.47	ug/l	98
4) Vinyl Chloride	1.41	62	54904	18.43	ug/l	97
5) Bromomethane	1.64	94	29647	19.67	ug/l	99
6) Chloroethane	1.73	64	35448	18.97	ug/l	99
7) Trichlorofluoromethane	1.93	101	97350	19.38	ug/l	98
8) Diethyl Ether	2.19	74	35104	19.22	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55462	19.05	ug/l	99
10) Methyl Iodide	2.51	142	47968	20.45	ug/l	99
11) Tert butyl alcohol	3.07	59	72277	99.67	ug/l	99
12) 1,1-Dichloroethene	2.37	96	48564	18.70	ug/l	94
13) Acrolein	2.29	56	49393	125.01	ug/l	98
14) Allyl chloride	2.73	41	97629	19.07	ug/l	99
15) Acrylonitrile	3.15	53	153170	98.89	ug/l	99
16) Acetone	2.45	43	158293	105.01	ug/l	97
17) Carbon Disulfide	2.57	76	119728	17.30	ug/l	99
18) Methyl Acetate	2.78	43	91923	21.81	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	182623	19.56	ug/l	99
20) Methylene Chloride	2.86	84	56357	19.21	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	52610	18.60	ug/l	97
22) Diisopropyl ether	3.87	45	193384	19.76	ug/l	96
23) Vinyl Acetate	3.83	43	798946	96.41	ug/l	100
24) 1,1-Dichloroethane	3.70	63	103649	19.49	ug/l	99
25) 2-Butanone	4.71	43	226358	101.18	ug/l	97
26) 2,2-Dichloropropane	4.59	77	81042	18.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61039	19.24	ug/l	98
28) Bromochloromethane	5.03	49	53020	20.82	ug/l	97
29) Tetrahydrofuran	5.17	42	141503	98.63	ug/l	99
30) Chloroform	5.22	83	107339	19.66	ug/l	97
31) Cyclohexane	5.58	56	84969	18.61	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	92461	19.25	ug/l	100
36) 1,1-Dichloropropene	5.81	75	74199	18.73	ug/l	98
37) Ethyl Acetate	4.86	43	84154	19.73	ug/l	99
38) Carbon Tetrachloride	5.78	117	82670	19.02	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002931.D
 Acq On : 27 Jun 2018 12:59
 Operator : JC/MD
 Sample : VX0627MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:47:52 PM

Quant Time: Jun 28 03:46:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86534	18.75	ug/l	99
40) Benzene	6.15	78	225180	19.56	ug/l	97
41) Methacrylonitrile	5.07	41	48739	19.85	ug/l	99
42) 1,2-Dichloroethane	6.20	62	89910	19.34	ug/l	98
43) Isopropyl Acetate	6.47	43	135445	18.94	ug/l	99
44) Trichloroethene	7.22	130	63960	18.64	ug/l	99
45) 1,2-Dichloropropane	7.52	63	58984	19.32	ug/l	100
46) Dibromomethane	7.67	93	41131	19.41	ug/l	99
47) Bromodichloromethane	7.90	83	76447	19.52	ug/l	97
48) Methyl methacrylate	7.78	41	72139	19.57	ug/l	98
49) 1,4-Dioxane	7.76	88	28459	396.88	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	448535	100.22	ug/l	99
52) Toluene	8.79	92	146687	19.89	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	87334	19.69	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	79893	18.72	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	60196	19.87	ug/l	95
56) Ethyl methacrylate	9.18	69	84904	19.17	ug/l	97
57) 1,3-Dichloropropane	9.37	76	99041	19.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	217479	101.80	ug/l	99
59) 2-Hexanone	9.50	43	345662	101.63	ug/l	99
60) Dibromochloromethane	9.59	129	61228	19.20	ug/l	100
61) 1,2-Dibromoethane	9.68	107	63105	19.86	ug/l	100
64) Tetrachloroethene	9.34	164	70290	18.30	ug/l	96
65) Chlorobenzene	10.14	112	168511	19.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	61498	19.30	ug/l	100
67) Ethyl Benzene	10.26	91	283141	19.54	ug/l	97
68) m/p-Xylenes	10.36	106	219109	39.23	ug/l	99
69) o-Xylene	10.70	106	105487	19.40	ug/l	100
70) Styrene	10.71	104	171833	19.45	ug/l	99
71) Bromoform	10.86	173	47063	18.97	ug/l	99
73) Isopropylbenzene	11.02	105	291906	20.19	ug/l	99
74) N-amyl acetate	6.47	43	135445	19.14	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	89134	20.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79552m	20.43	ug/l	
77) Bromobenzene	11.26	156	80834	19.63	ug/l	98
78) n-propylbenzene	11.36	91	329367	20.01	ug/l	99
79) 2-Chlorotoluene	11.42	91	198775	19.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	246972	20.28	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	21824	18.53	ug/l	94
82) 4-Chlorotoluene	11.51	91	232597	19.72	ug/l	100
83) tert-Butylbenzene	11.77	119	242900	20.24	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	253079	20.06	ug/l	99
85) sec-Butylbenzene	11.95	105	295233	20.28	ug/l	100
86) p-Isopropyltoluene	12.07	119	262294	20.04	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	147784	19.65	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	150069	19.39	ug/l	99
89) n-Butylbenzene	12.39	91	221012	19.40	ug/l	99
90) Hexachloroethane	12.60	117	37828	19.43	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	149002	19.63	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19224	19.20	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002931.D
Acq On : 27 Jun 2018 12:59
Operator : JC/MD
Sample : VX0627MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

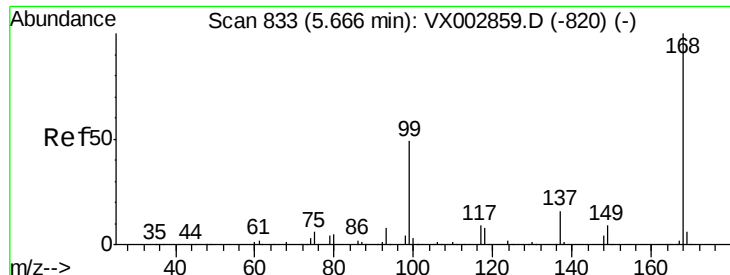
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM

Quant Time: Jun 28 03:46:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105264	19.05	ug/l	98
94) Hexachlorobutadiene	13.79	225	53821	19.53	ug/l	99
95) Naphthalene	13.83	128	294770	20.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108756	19.71	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampled :

VX0627MBSD01

Tot Ion:168 Resp: 263356

Ion Ratio Lower Upper

168 100

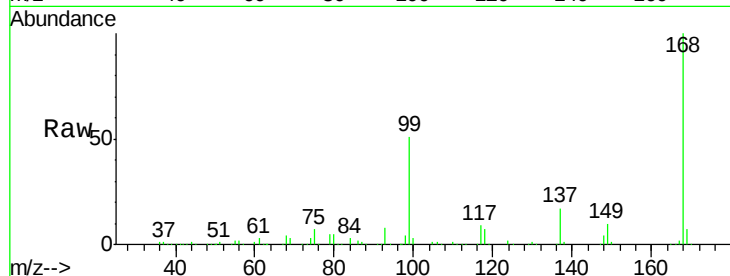
99 50.9 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

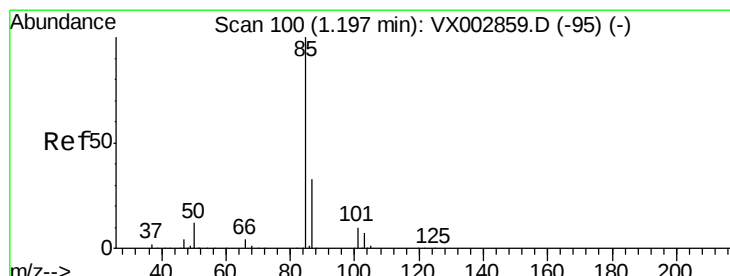
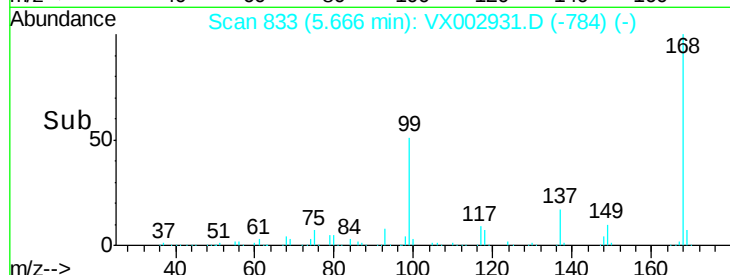
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.75 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002931.D

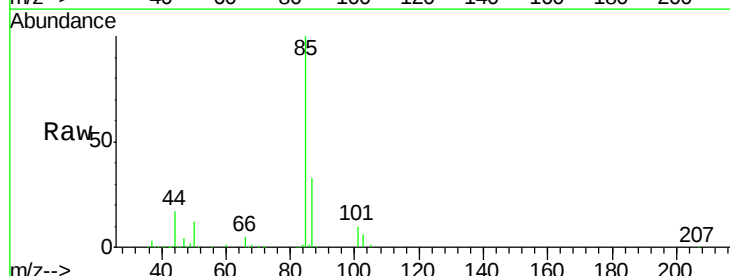
Acq: 27 Jun 2018 12:59

Tgt Ion: 85 Resp: 44540

Ion Ratio Lower Upper

85 100

87 33.1 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

50000

40000

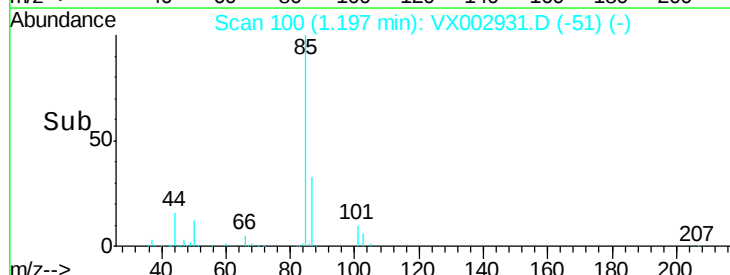
30000

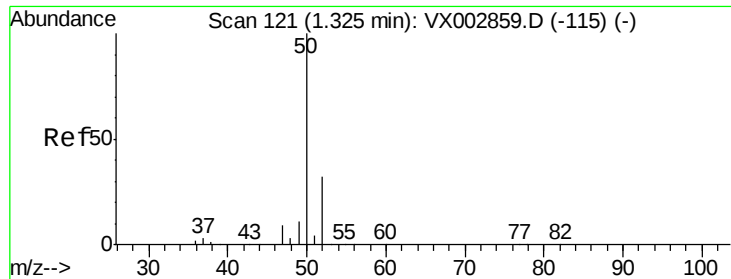
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 50 Resp: 49303

Ion Ratio Lower Upper

50 100

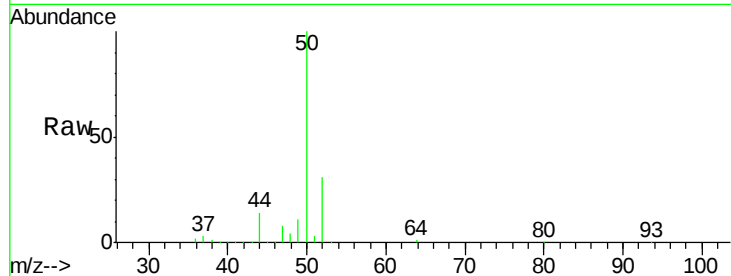
52 31.1 25.7 38.5

Manual Integrations

APPROVED

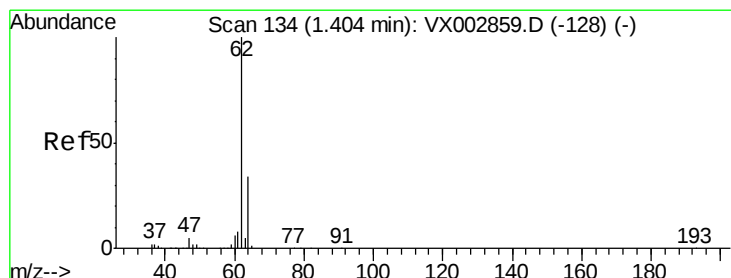
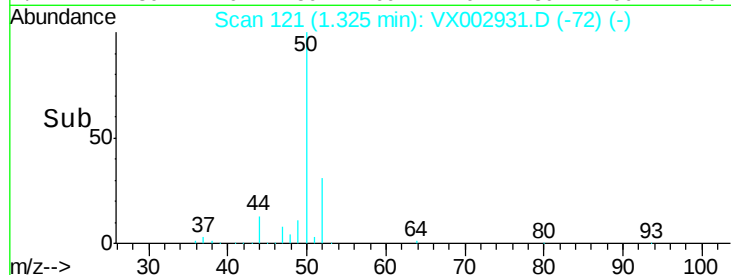
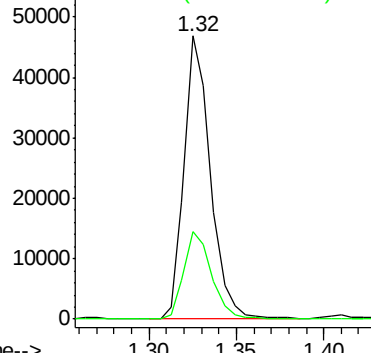
MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.43 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002931.D

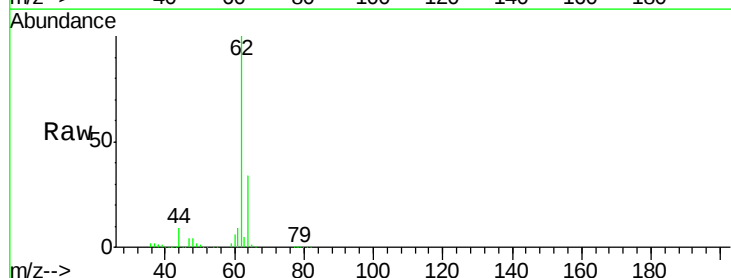
Acq: 27 Jun 2018 12:59

Tgt Ion: 62 Resp: 54904

Ion Ratio Lower Upper

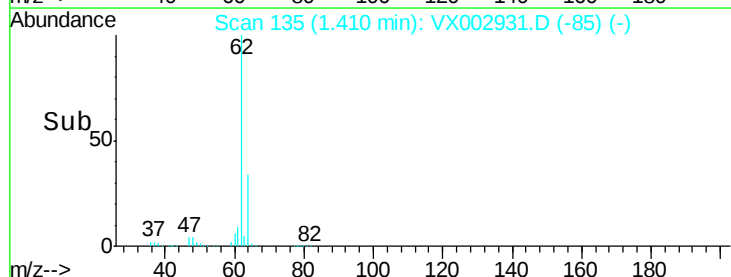
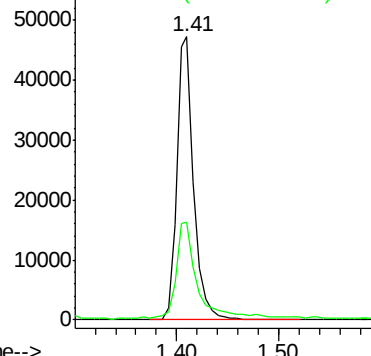
62 100

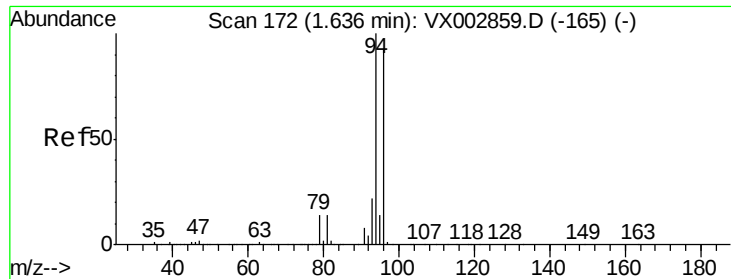
64 33.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.67 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 94 Resp: 29647

Ion Ratio Lower Upper

94 100

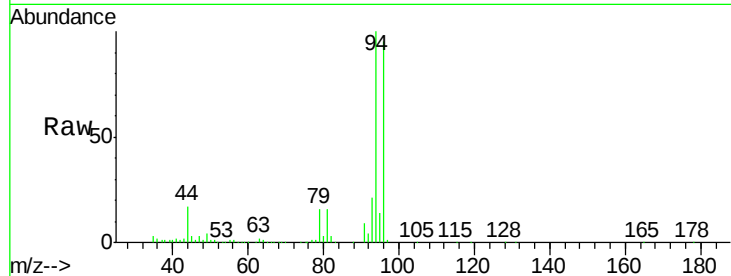
96 94.6 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

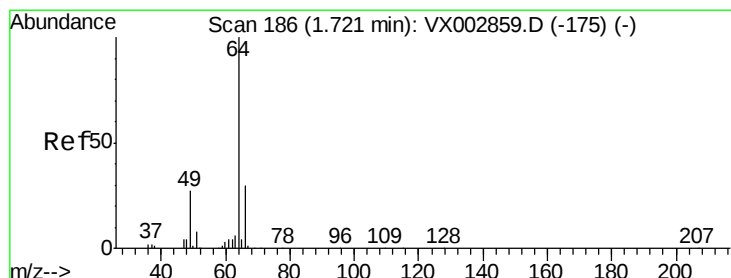
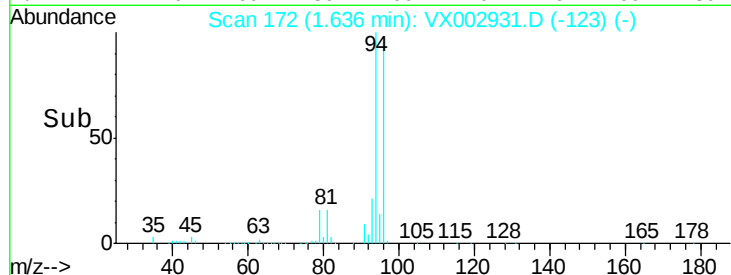
5000

0

Time-->

1.50 1.60 1.70 1.80

1.64



#6

Chloroethane

Concen: 18.97 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002931.D

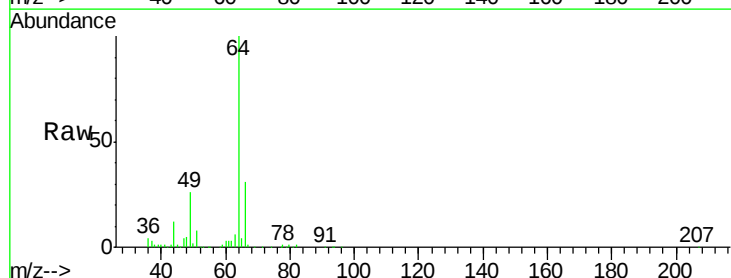
Acq: 27 Jun 2018 12:59

Tgt Ion: 64 Resp: 35448

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

25000

20000

15000

10000

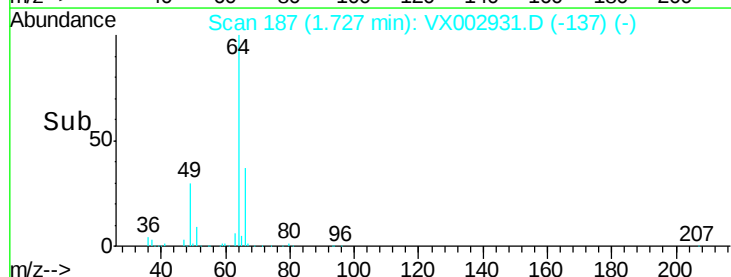
5000

0

Time-->

1.65 1.70 1.75 1.80

1.73





#7

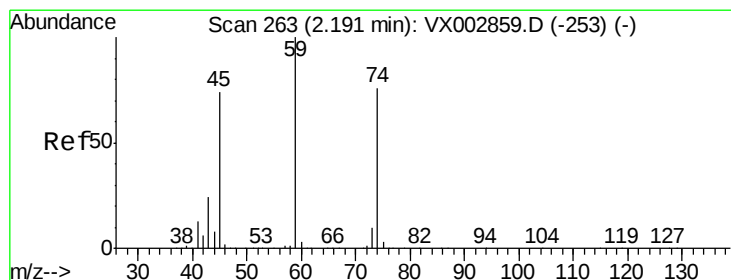
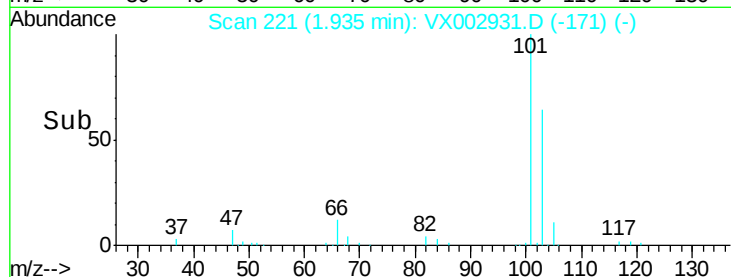
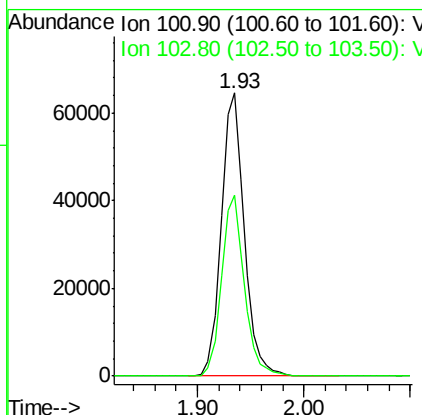
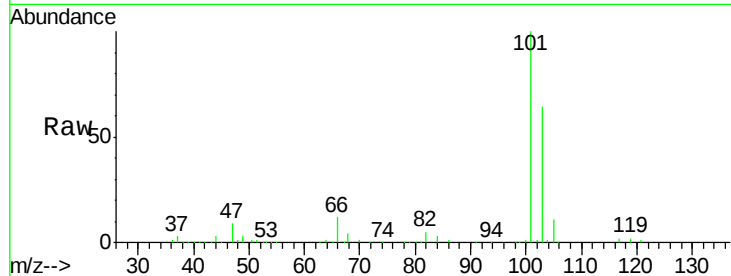
Trichlorofluoromethane
Concen: 19.38 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion:101 Resp: 97350
Ion Ratio Lower Upper
101 100
103 64.0 52.8 79.2

Manual Integrations
APPROVED

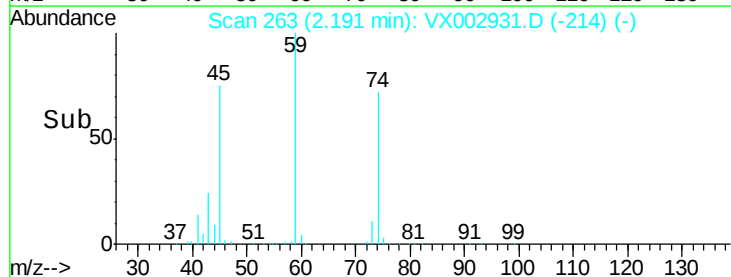
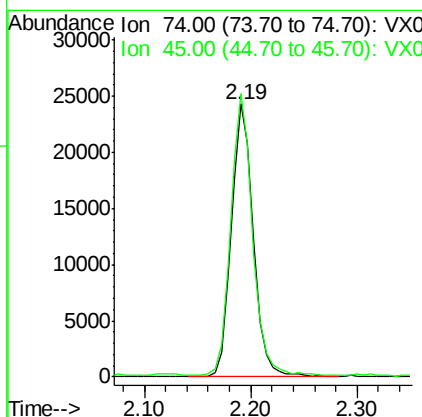
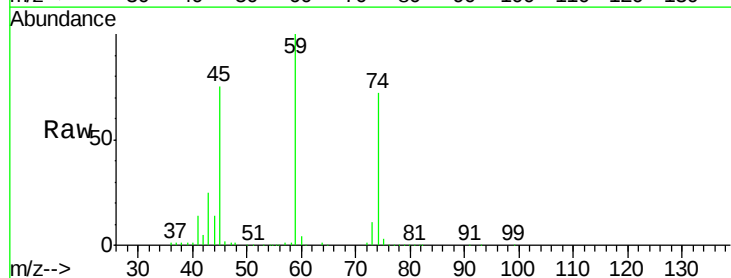
MMDadoda
6/28/2018 4:47:52 PM



#8

Diethyl Ether
Concen: 19.22 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion: 74 Resp: 35104
Ion Ratio Lower Upper
74 100
45 102.8 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.05 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

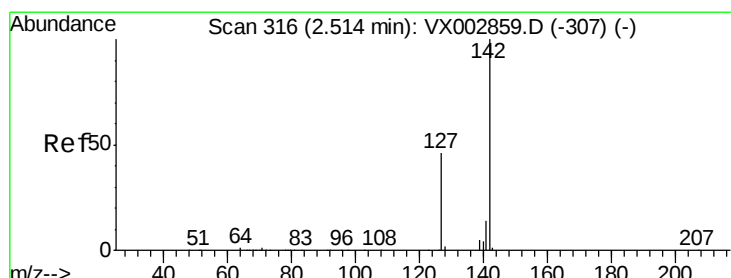
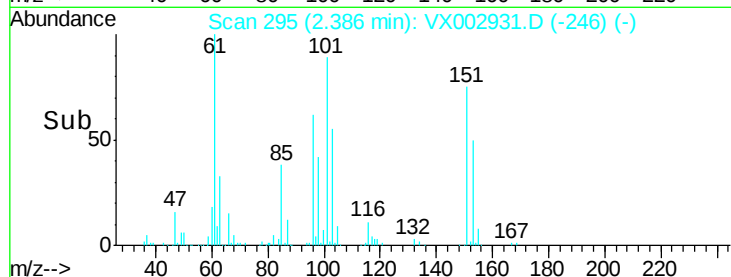
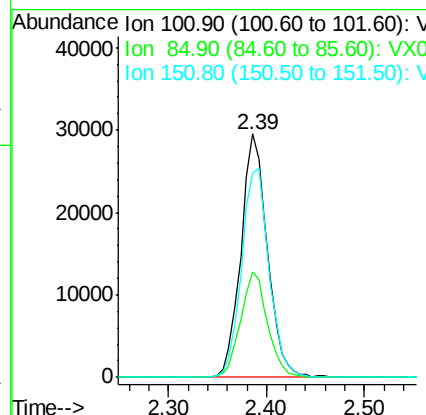
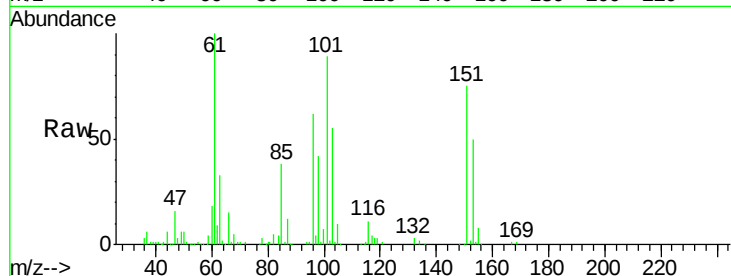
ClientSampleId :

VX0627MBSD01

Tot Ion:	101	Resp:	55462
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	89.5	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#10

Methyl Iodide

Concen: 20.45 ug/l

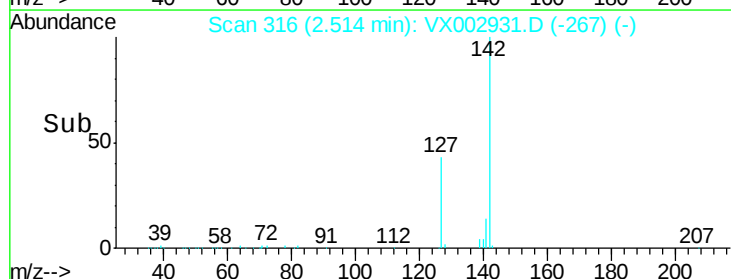
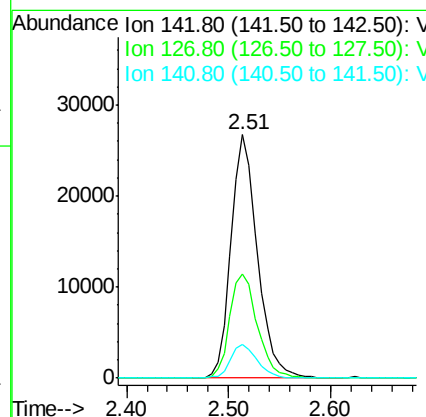
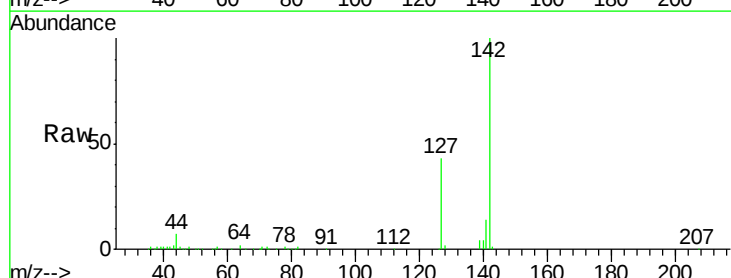
RT: 2.51 min Scan# 316

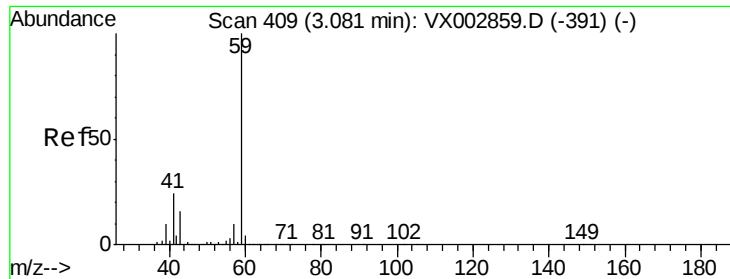
Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	142	Resp:	47968
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.6	55.0
141	14.1	11.3	16.9





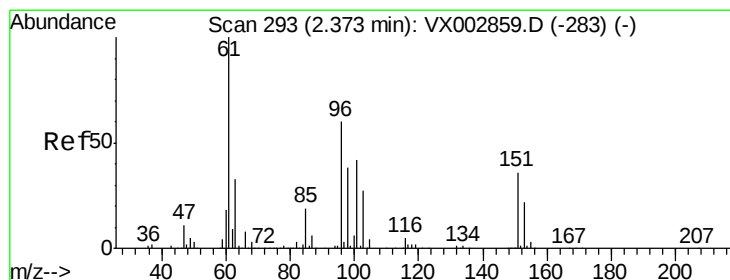
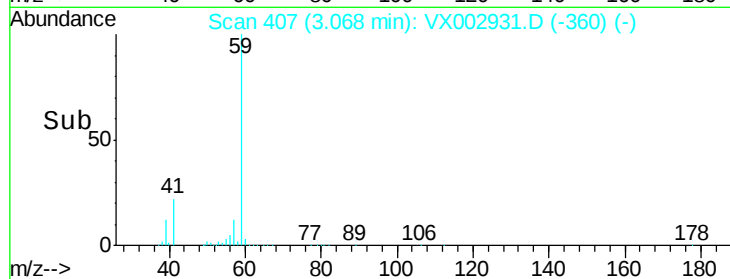
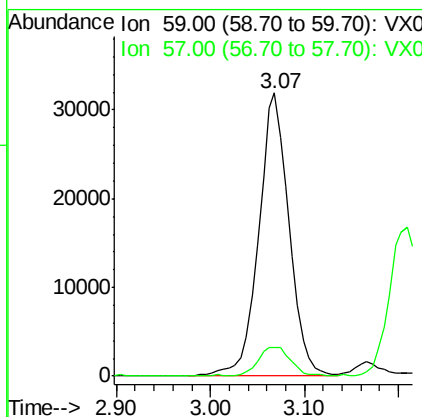
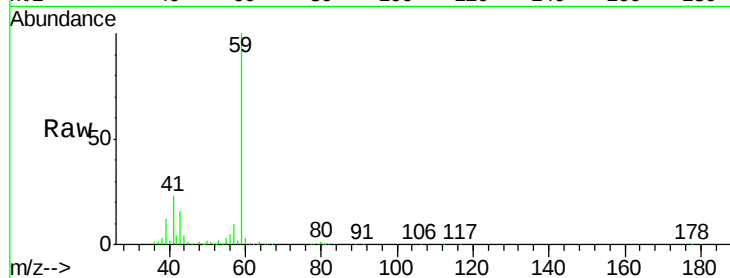
#11
Tert butyl alcohol
Concen: 99.67 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion: 59 Resp: 72277
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

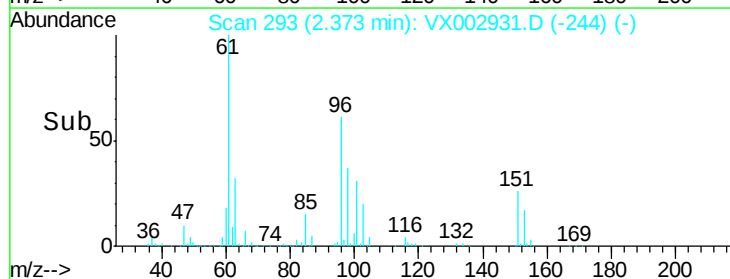
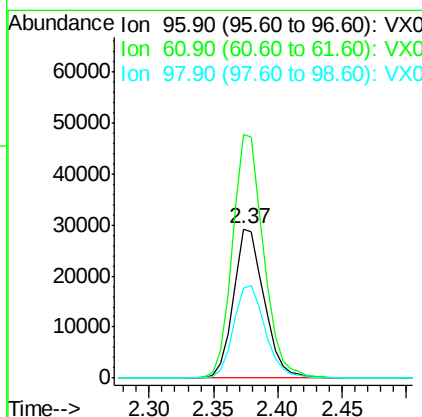
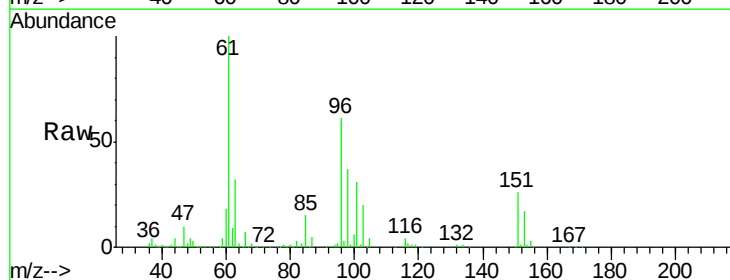
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#12
1,1-Dichloroethene
Concen: 18.70 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion: 96 Resp: 48564
Ion Ratio Lower Upper
96 100
61 163.5 137.9 206.9
98 60.2 51.6 77.4





#13

Acrolein

Concen: 125.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 56 Resp: 49393

Ion Ratio Lower Upper

56 100

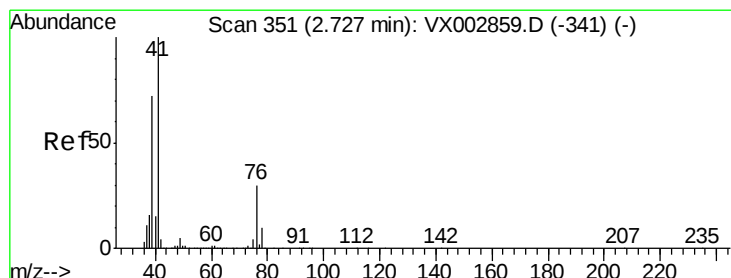
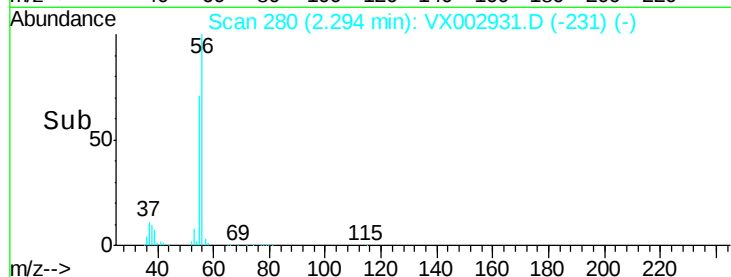
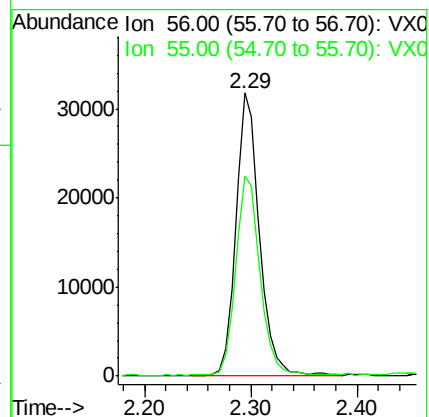
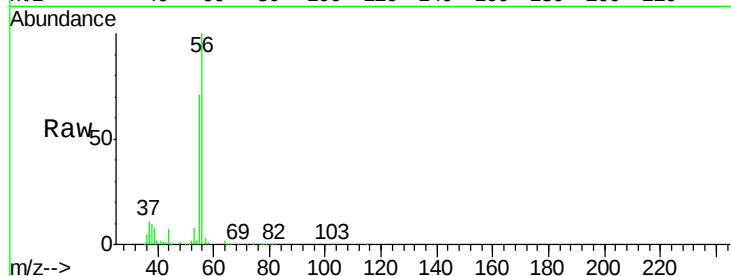
55 72.5 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#14

Allyl chloride

Concen: 19.07 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

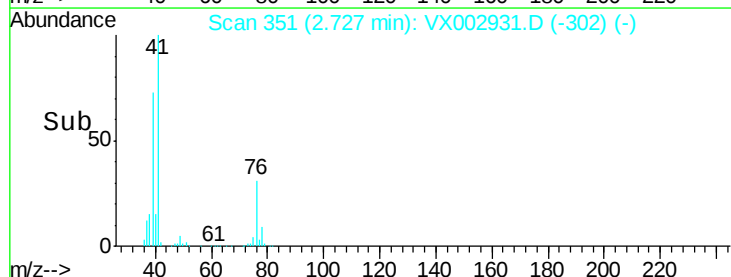
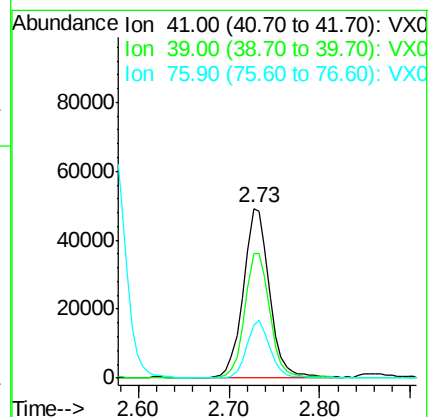
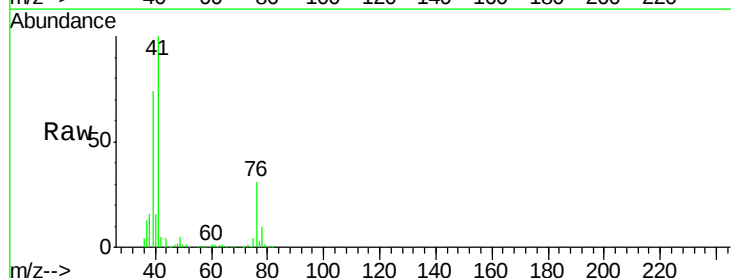
Tgt Ion: 41 Resp: 97629

Ion Ratio Lower Upper

41 100

39 70.5 56.8 85.2

76 30.8 23.8 35.8





#15

Acrylonitrile

Concen: 98.89 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

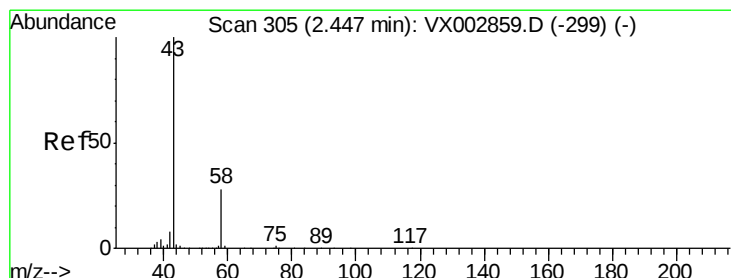
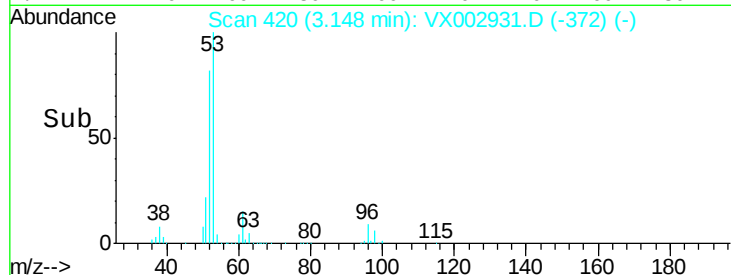
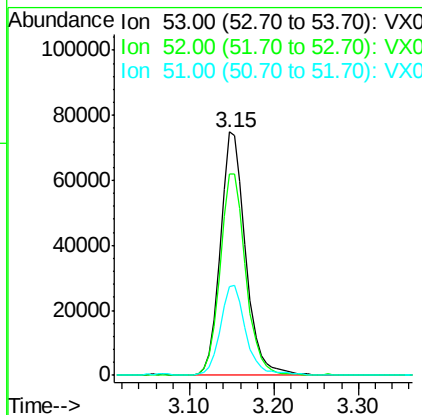
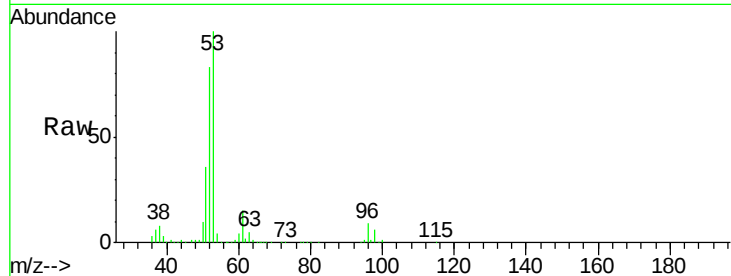
ClientSampleId :

VX0627MBSD01

Tot Ion:	53	Resp:	153170
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.7	100.1
51	37.3	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#16

Acetone

Concen: 105.01 ug/l

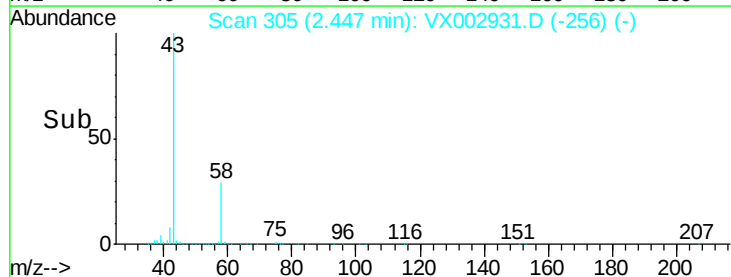
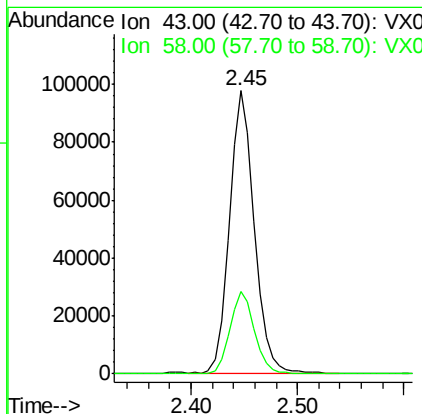
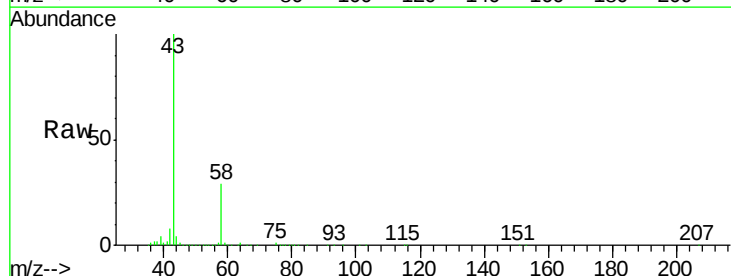
RT: 2.45 min Scan# 305

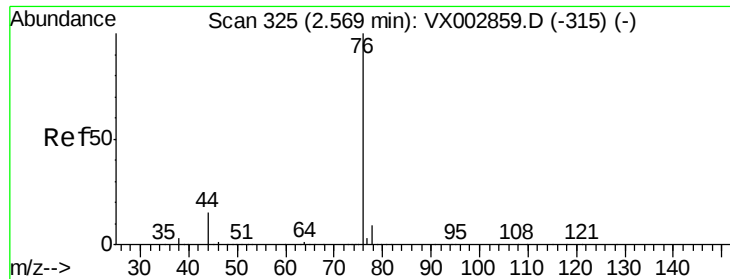
Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	43	Resp:	158293
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.1	33.1





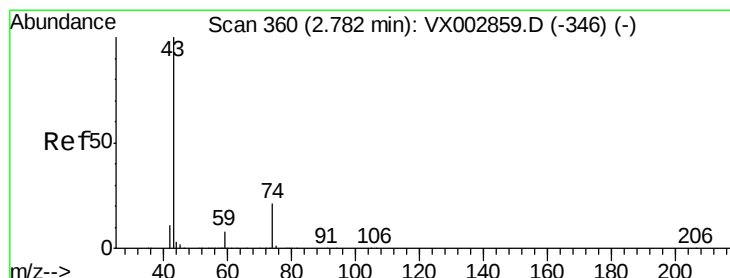
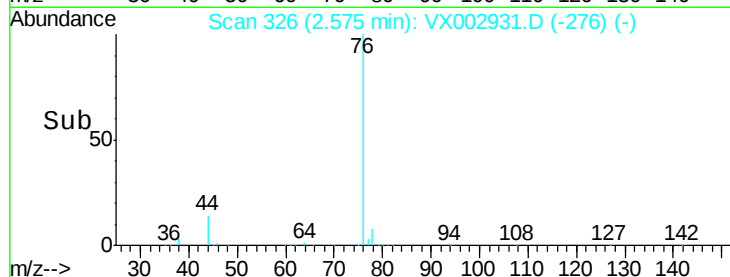
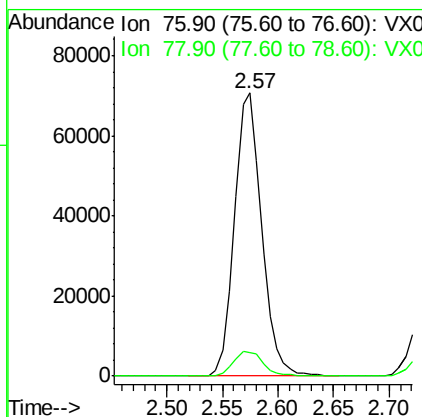
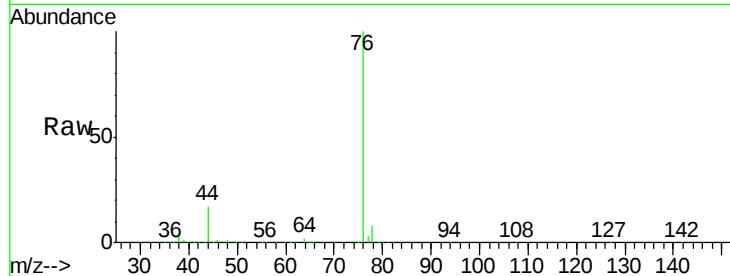
#17
Carbon Disulfide
Concen: 17.30 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.9	10.3

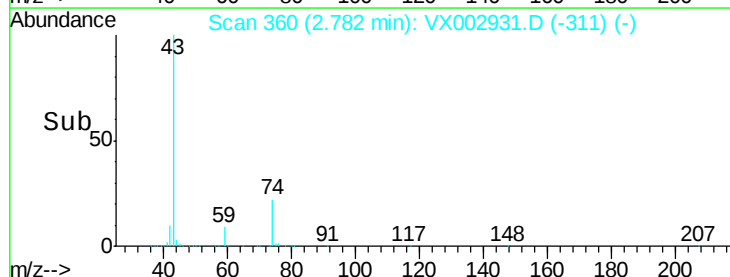
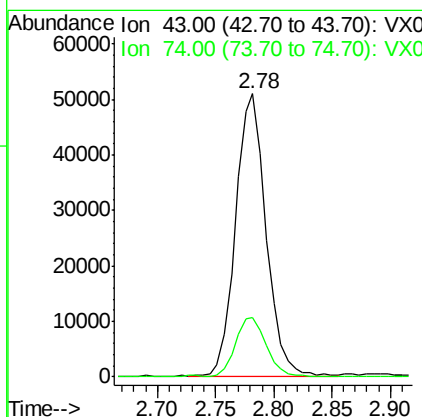
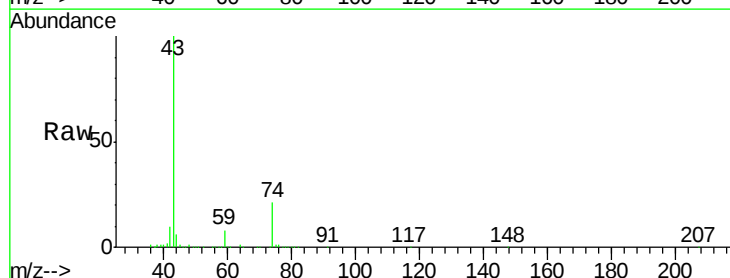
Manual Integrations
APPROVED

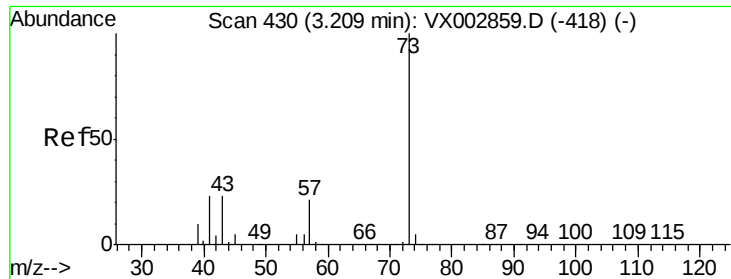
MMDadoda
6/28/2018 4:47:52 PM



#18
Methyl Acetate
Concen: 21.81 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1





#19

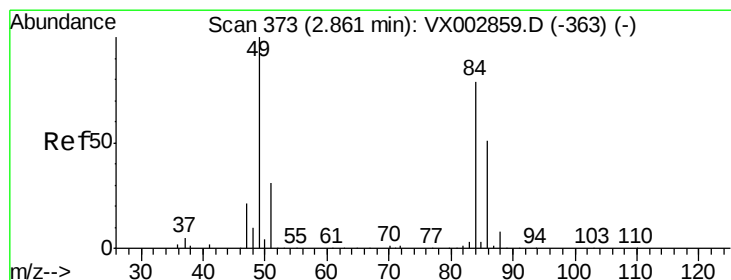
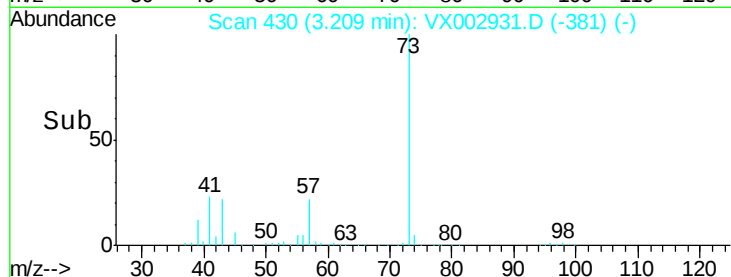
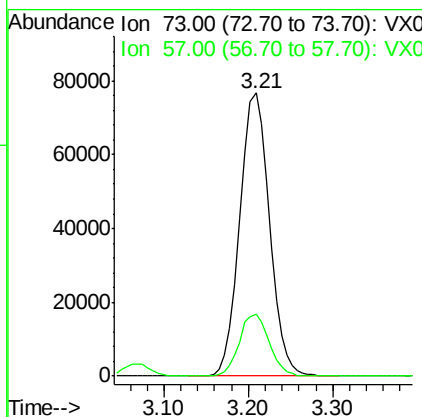
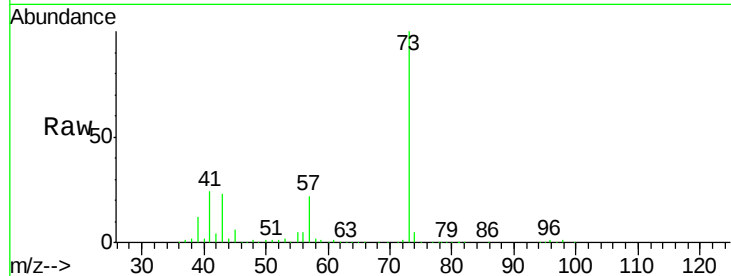
Methyl tert-butyl Ether
 Concen: 19.56 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

Manual Integrations
 APPROVED

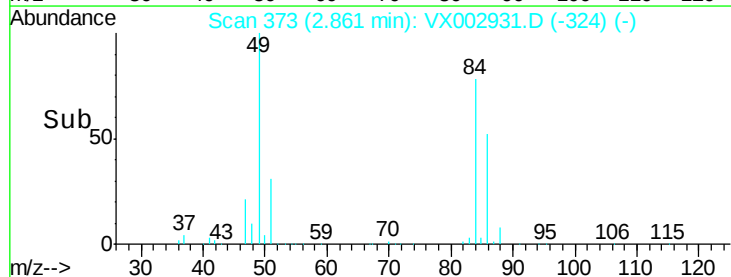
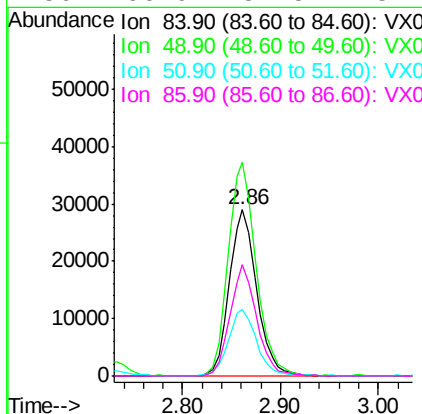
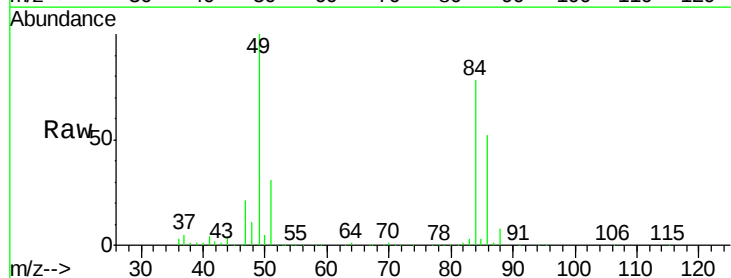
MMDadoda
 6/28/2018 4:47:52 PM

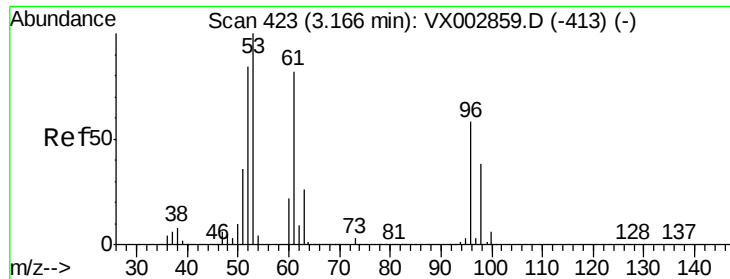


#20

Methylene Chloride
 Concen: 19.21 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.4	107.8	161.6
51	39.4	32.8	49.2
86	66.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.60 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

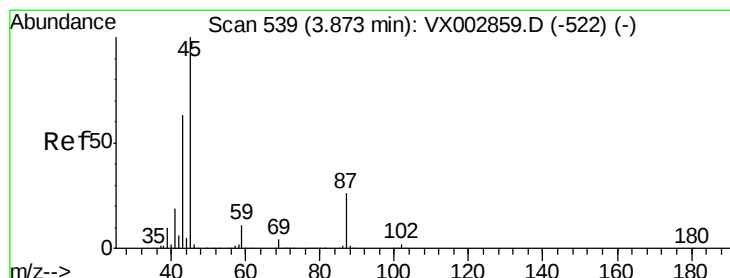
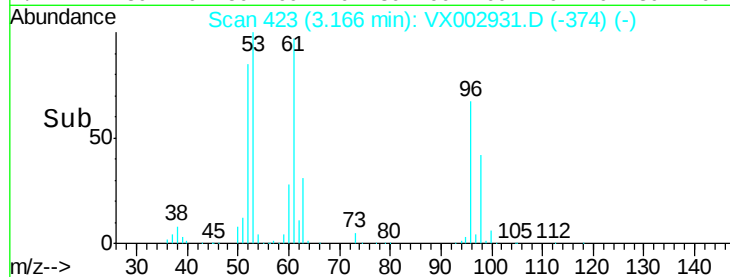
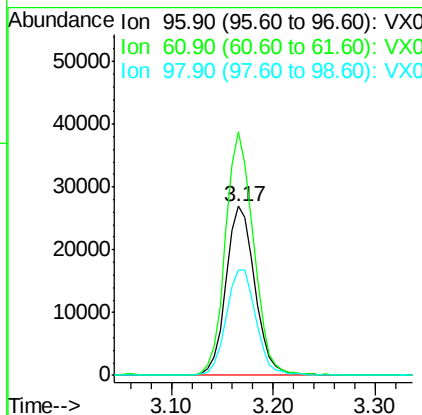
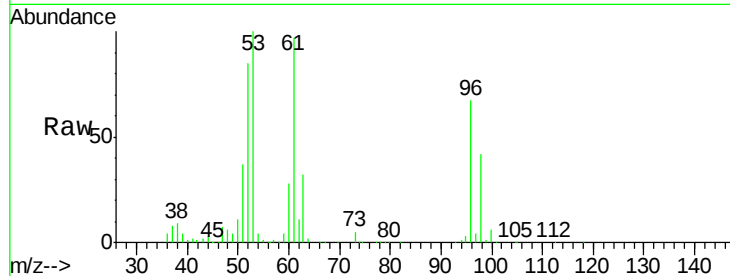
ClientSampleId :

VX0627MBSD01

Tot Ion:	96	Resp:	52610
Ion	Ratio	Lower	Upper
96	100		
61	143.9	117.0	175.4
98	62.3	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#22

Diisopropyl ether

Concen: 19.76 ug/l

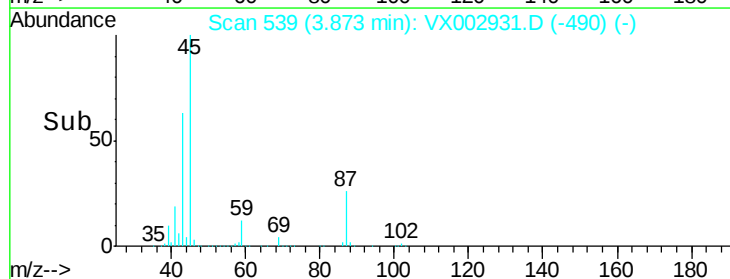
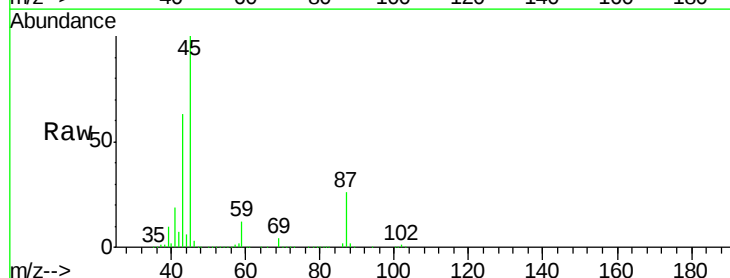
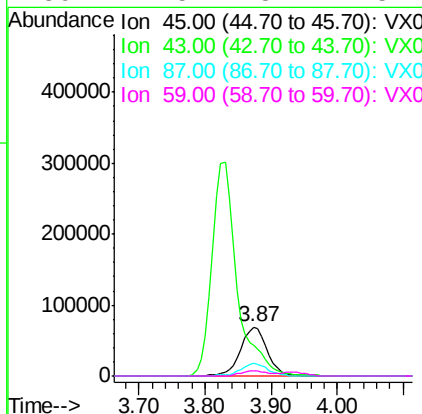
RT: 3.87 min Scan# 539

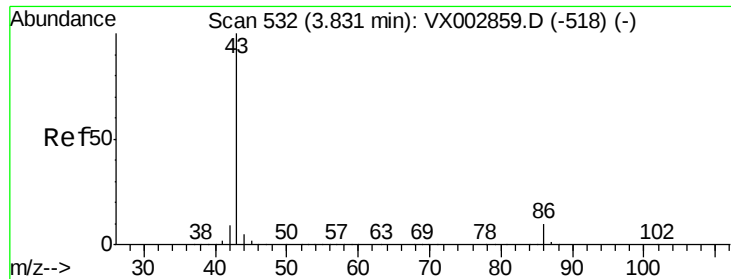
Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	45	Resp:	193384
Ion	Ratio	Lower	Upper
45	100		
43	62.5	46.8	70.2
87	26.5	20.2	30.4
59	11.5	8.7	13.1





#23

Vinyl Acetate

Concen: 96.41 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 43 Resp: 798946

Ion Ratio Lower Upper

43 100

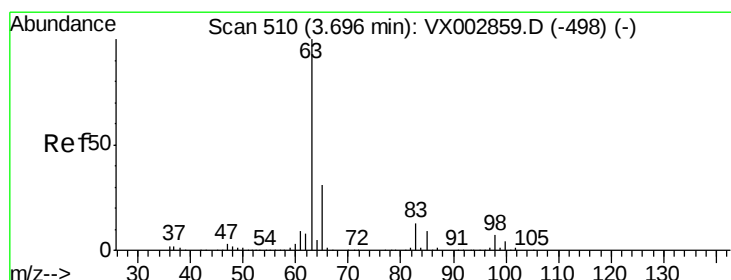
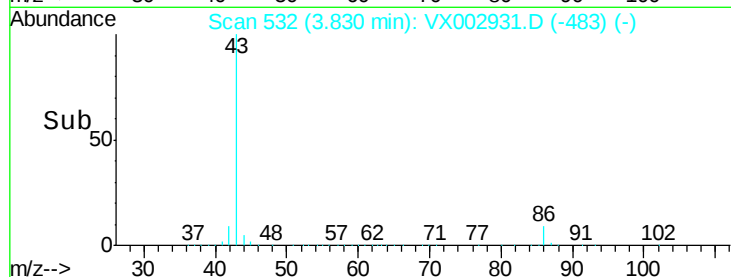
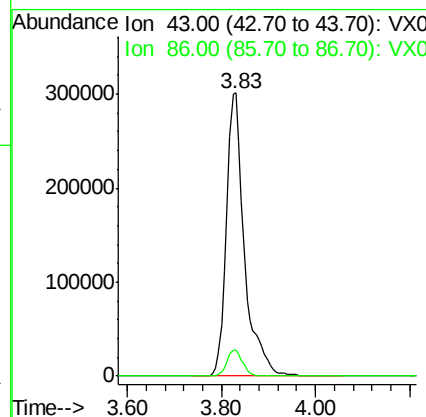
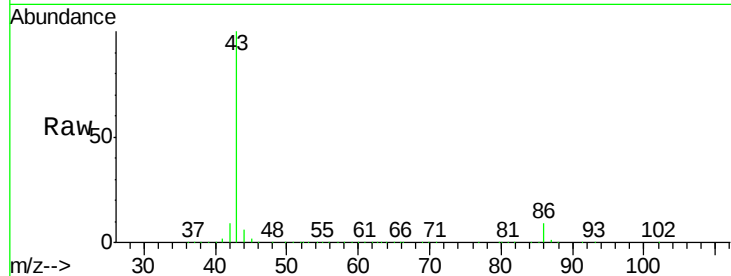
86 9.3 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#24

1,1-Dichloroethane

Concen: 19.49 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

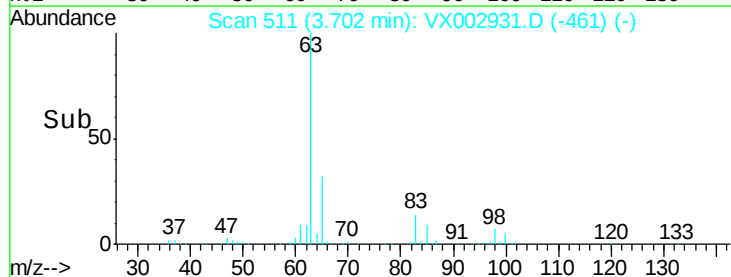
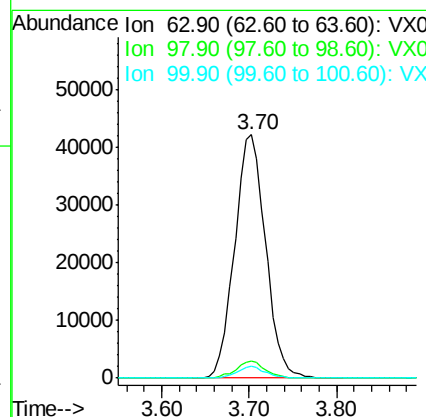
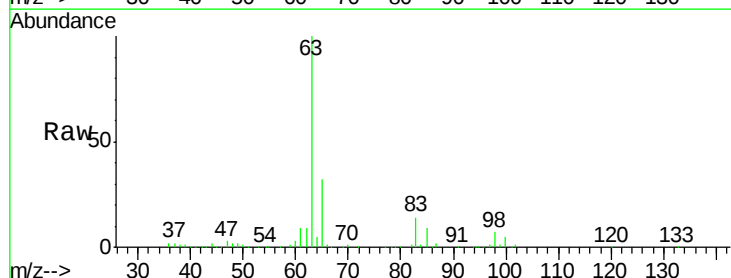
Tgt Ion: 63 Resp: 103649

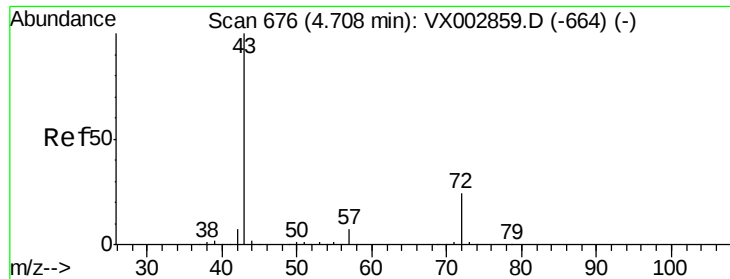
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 101.18 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 43 Resp: 226358

Ion Ratio Lower Upper

43 100

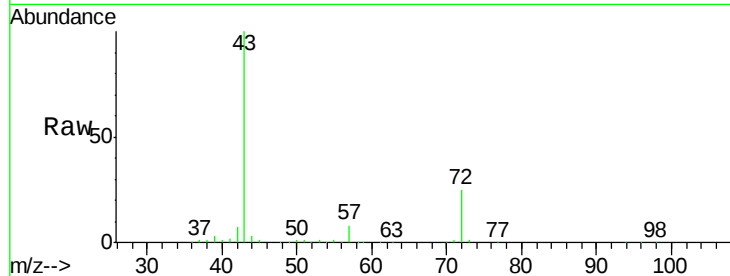
72 24.4 18.5 27.7

Manual Integrations

APPROVED

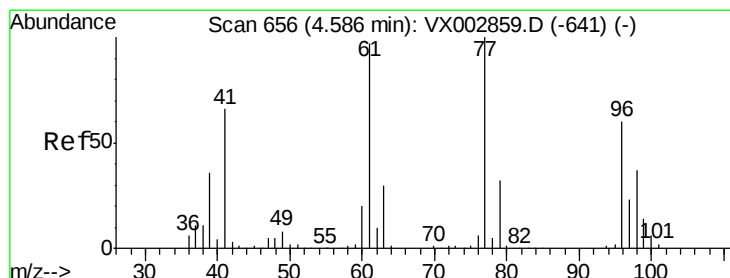
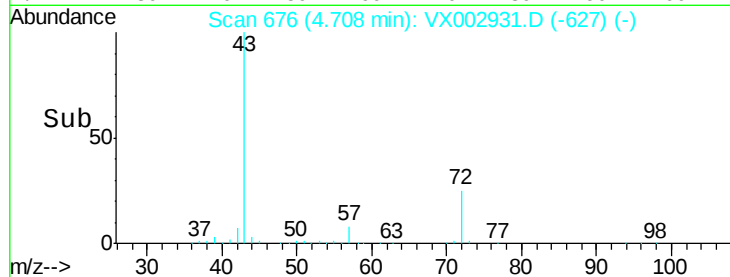
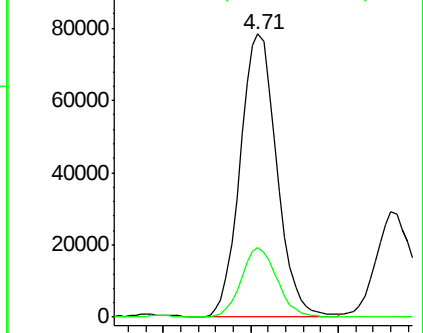
MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.74 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002931.D

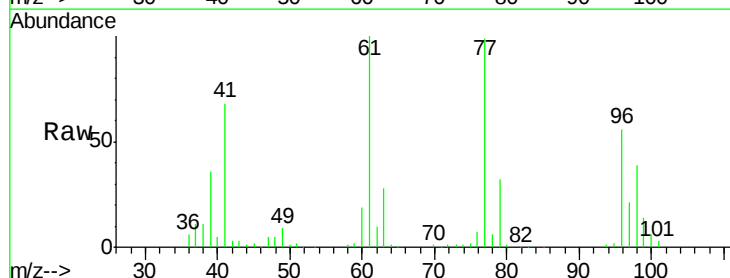
Acq: 27 Jun 2018 12:59

Tgt Ion: 77 Resp: 81042

Ion Ratio Lower Upper

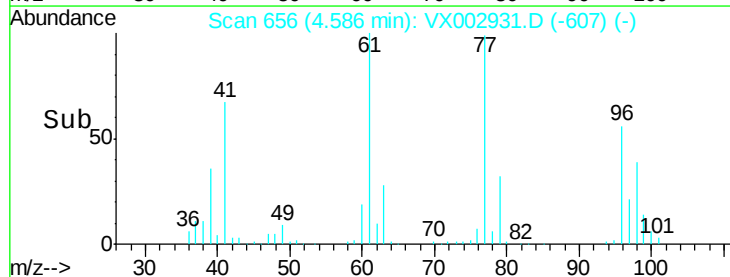
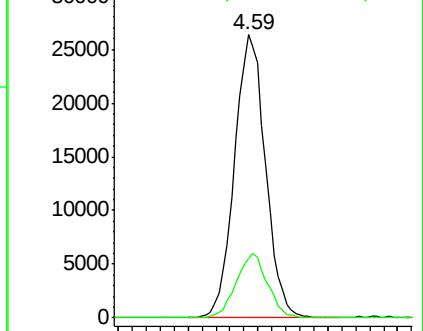
77 100

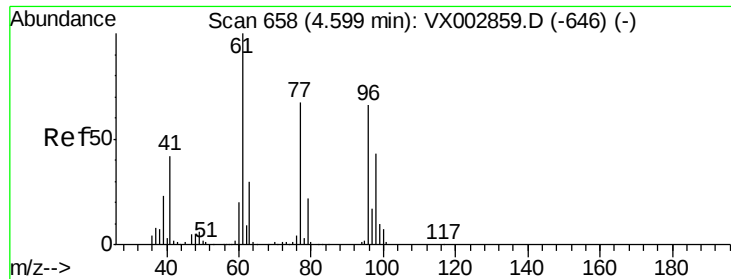
97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





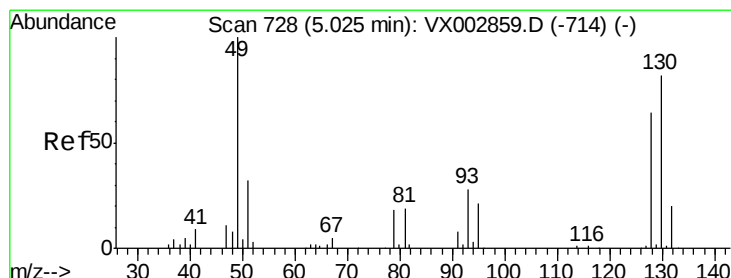
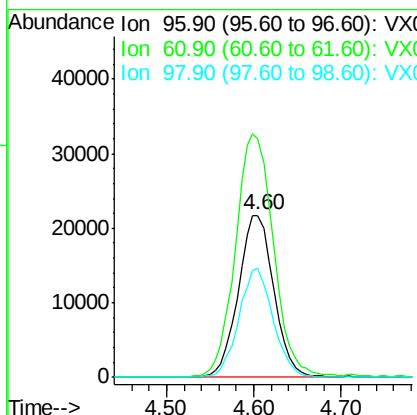
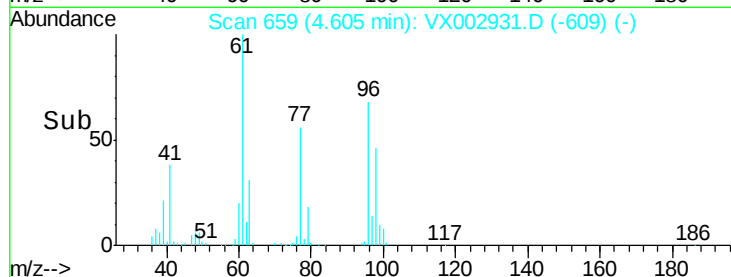
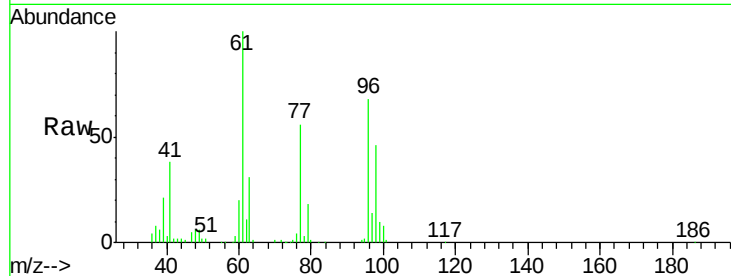
#27
 cis-1,2-Dichloroethene
 Concen: 19.24 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	330.2
98	65.4	0.0	130.2

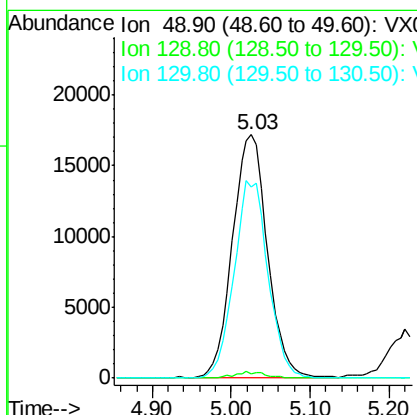
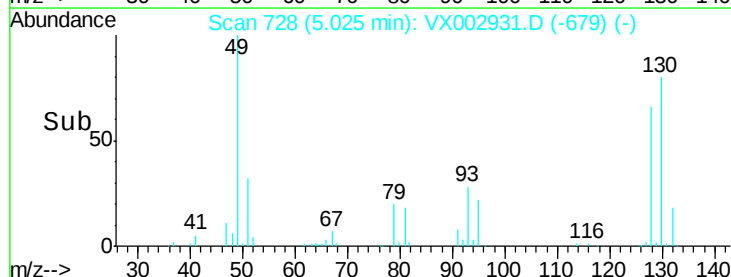
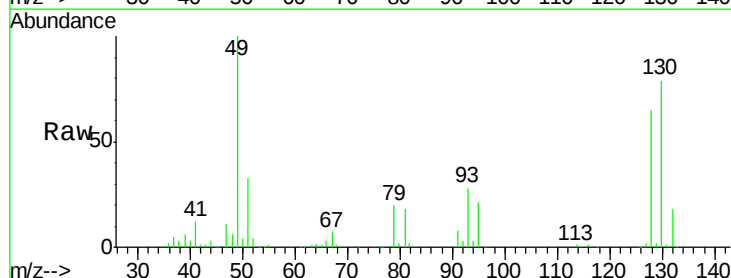
Manual Integrations
 APPROVED

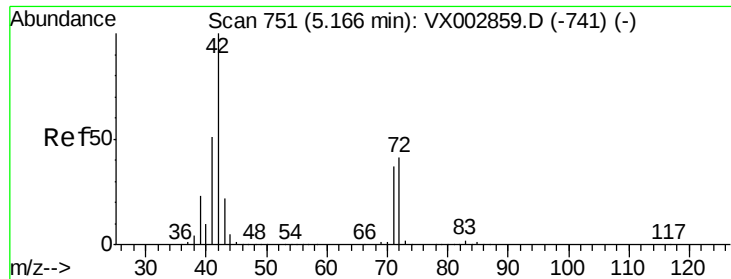
MMDadoda
 6/28/2018 4:47:52 PM



#28
 Bromochloromethane
 Concen: 20.82 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	78.9	61.2	91.8





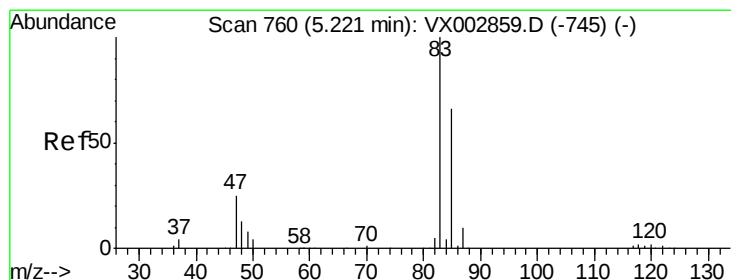
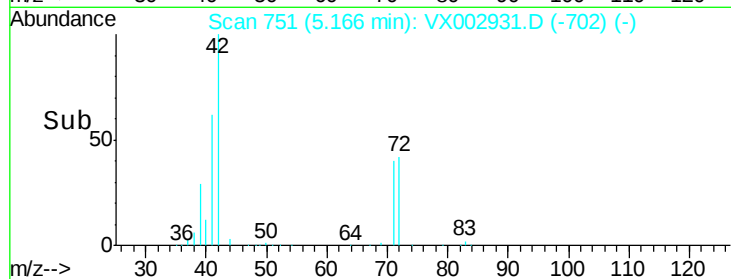
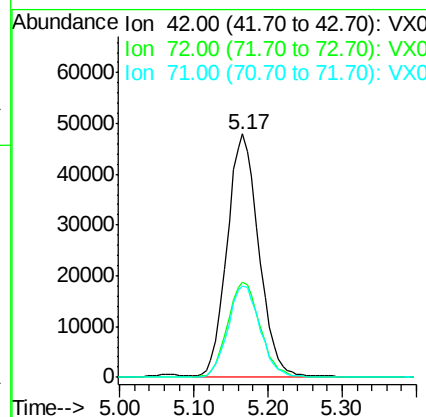
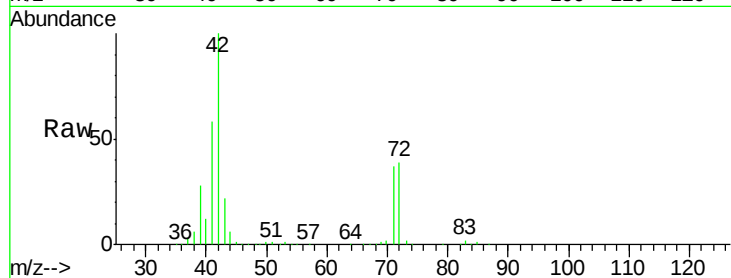
#29
Tetrahydrofuran
Concen: 98.63 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	38.6	30.1	45.1

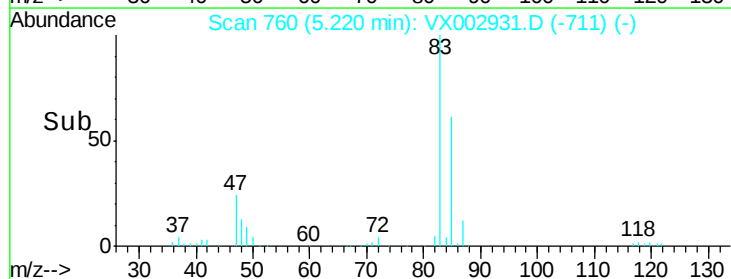
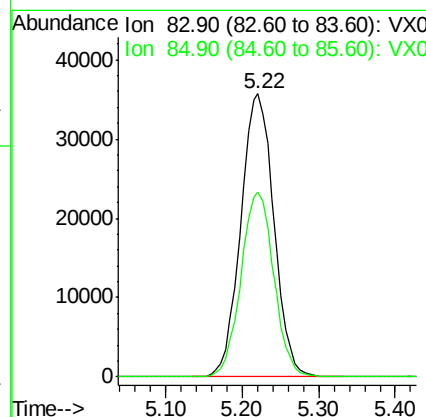
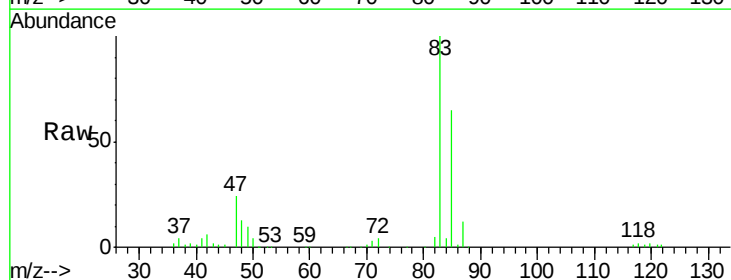
Manual Integrations
APPROVED

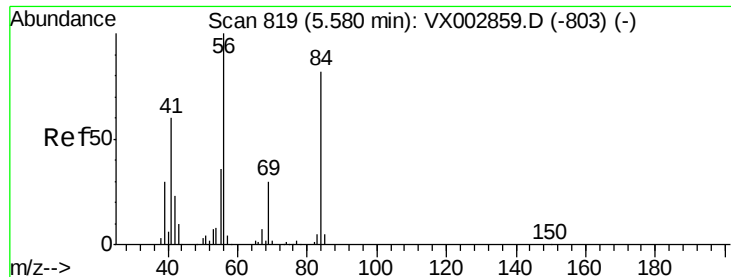
MMDadoda
6/28/2018 4:47:52 PM



#30
Chloroform
Concen: 19.66 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 18.61 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

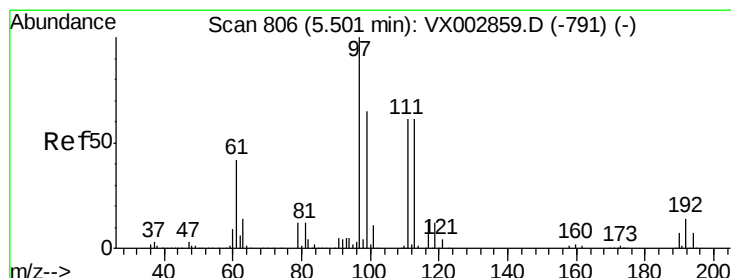
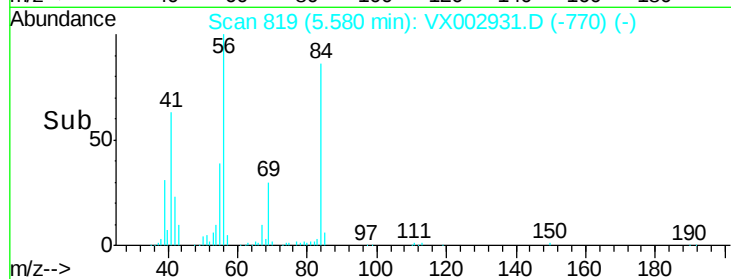
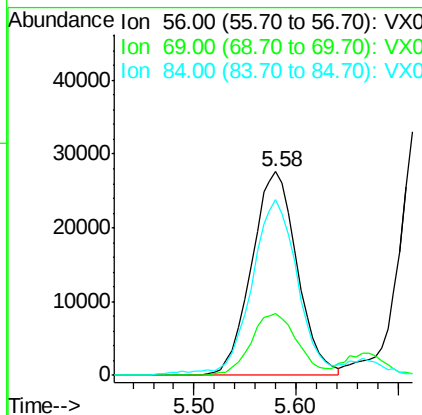
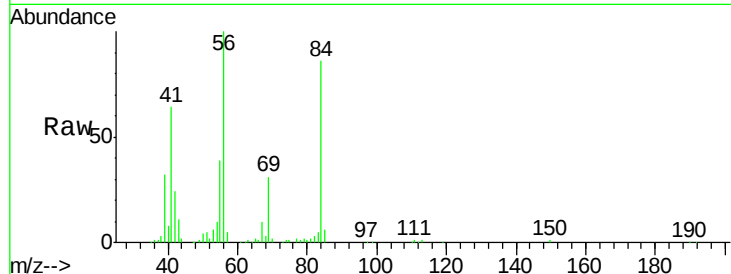
ClientSampleId :

VX0627MBSD01

Tot Ion:	56	Resp:	84969
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	84.8	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#32

1,1,1-Trichloroethane

Concen: 19.25 ug/l

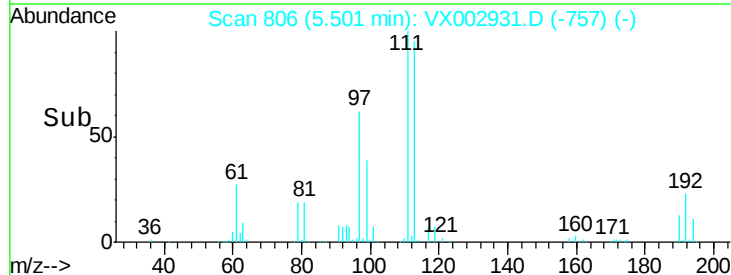
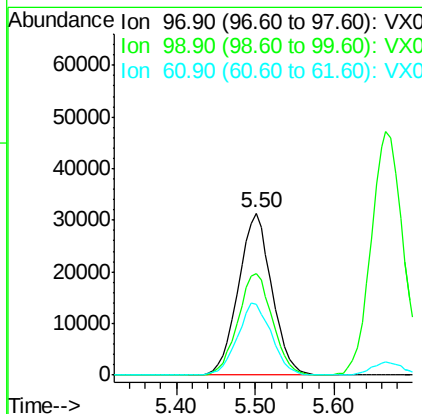
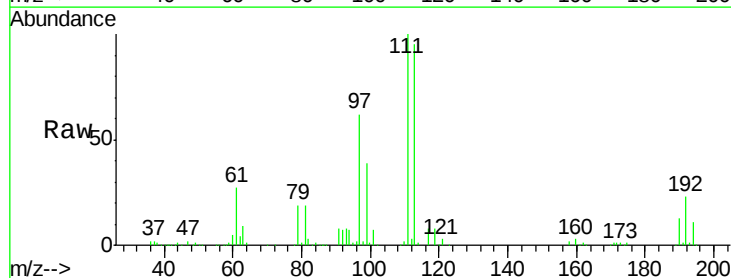
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	97	Resp:	92461
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	45.3	36.4	54.6





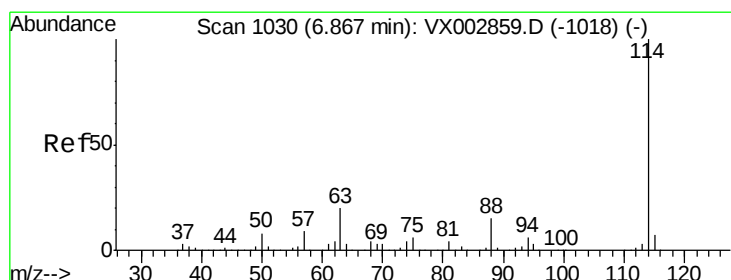
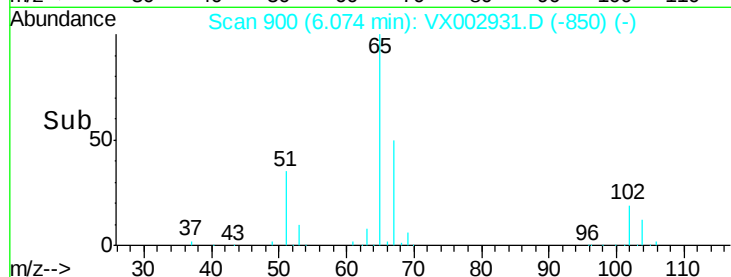
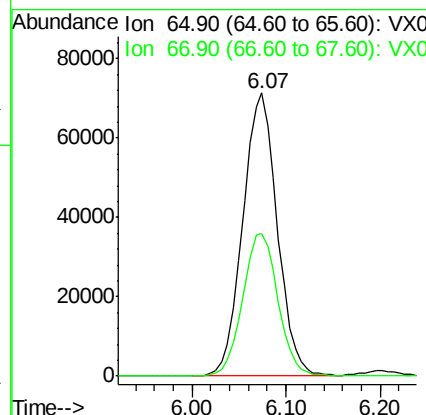
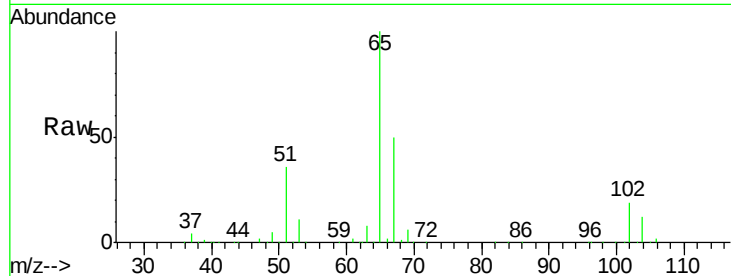
#33
 1,2-Dichloroethane-d4
 Concen: 50.19 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182683		
67	51.4	0.0	102.6	

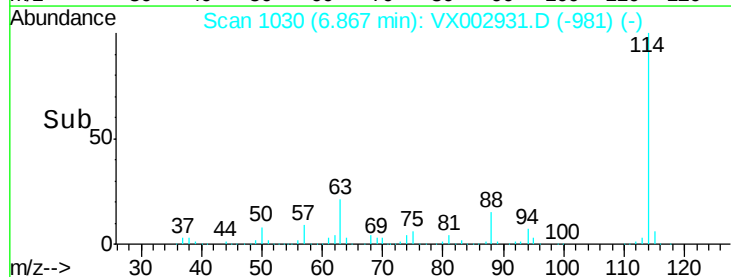
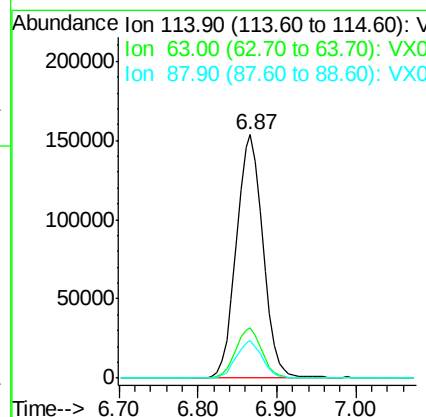
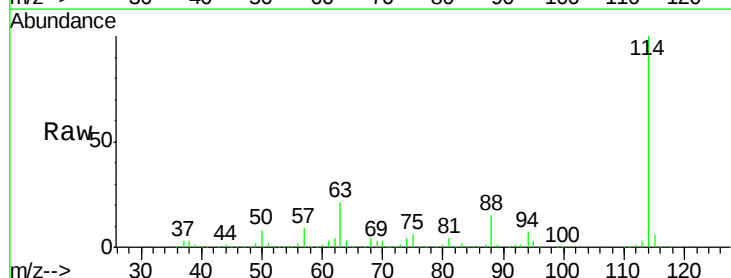
Manual Integrations
 APPROVED

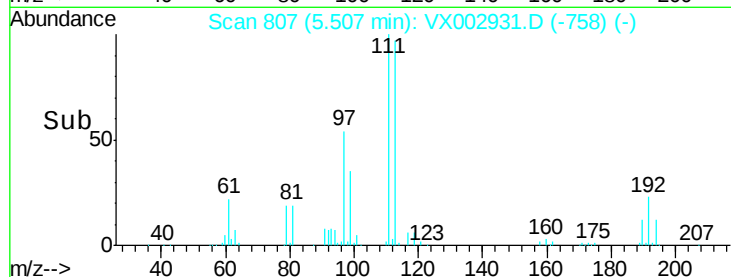
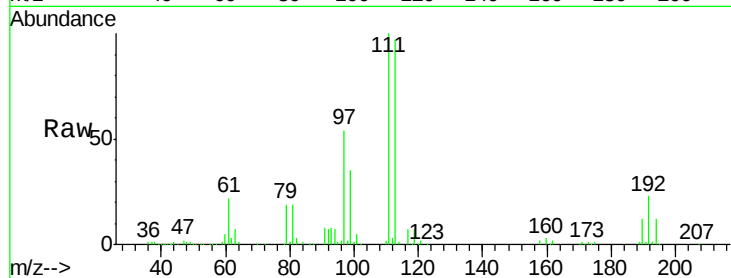
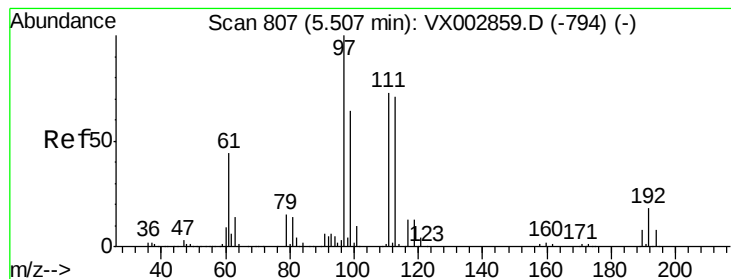
MMDadoda
 6/28/2018 4:47:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	361213		
63	20.7	0.0	41.4	
88	15.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.57 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002931.D

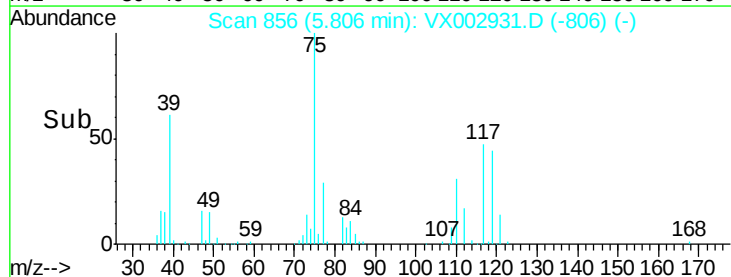
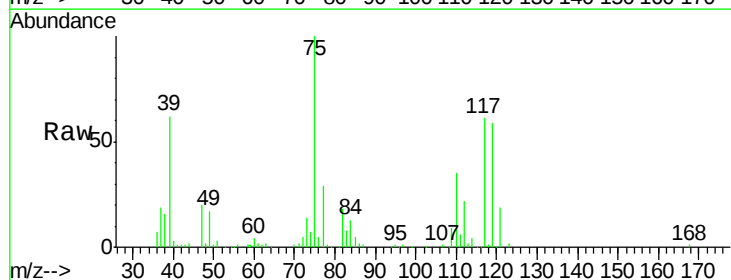
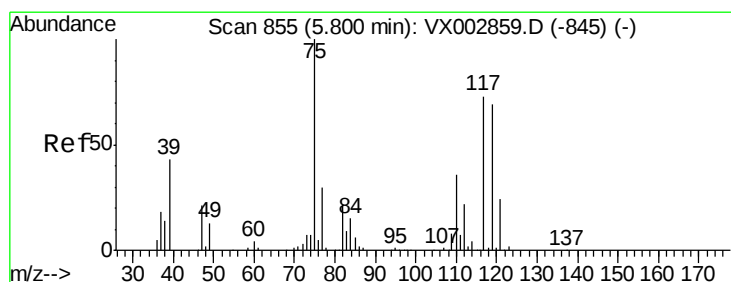
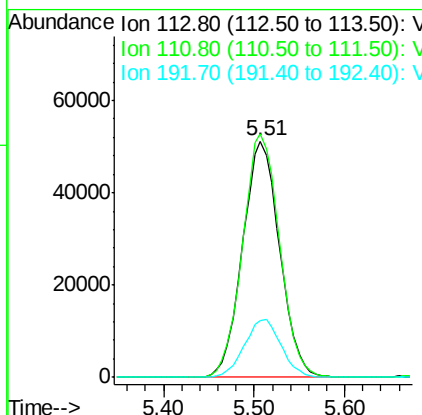
Acq: 27 Jun 2018 12:59

Tot Ion:	113	Resp:	144668
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.4	122.0
192	24.5	19.1	28.7

Instrument :
MSVOA_X
ClientSampled :
VX0627MBSD01

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#36

1,1-Dichloropropene

Concen: 18.73 ug/l

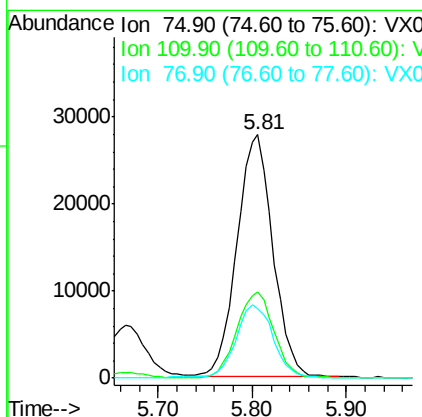
RT: 5.81 min Scan# 856

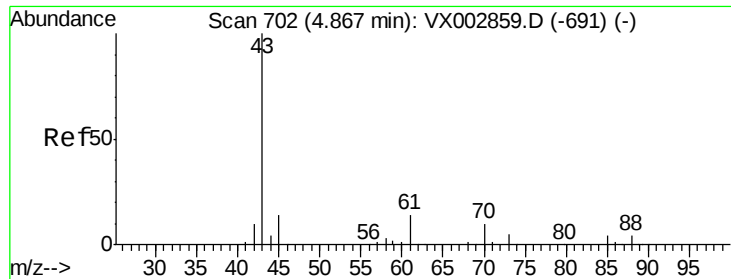
Delta R.T. 0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	75	Resp:	74199
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.4
77	32.2	24.3	36.5





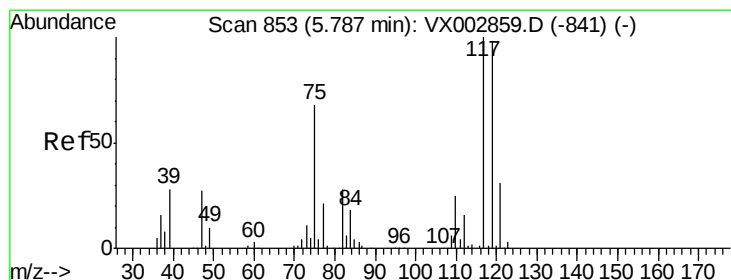
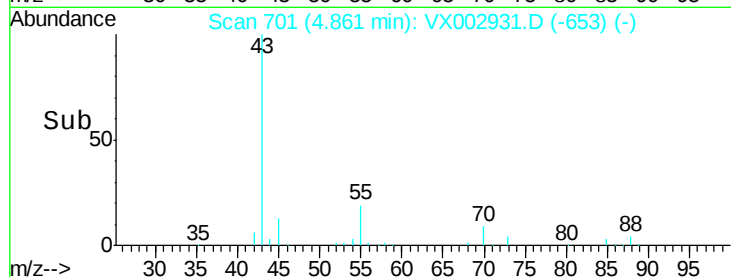
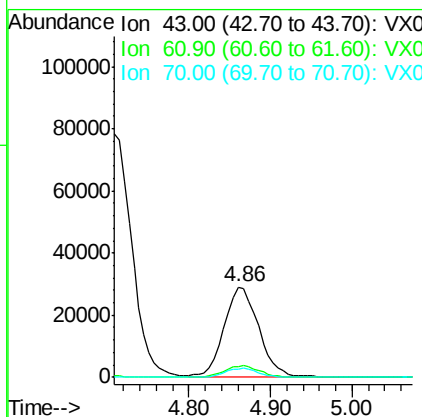
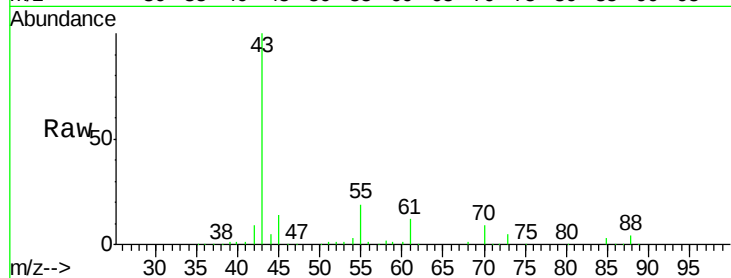
#37
Ethyl Acetate
Concen: 19.73 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	10.1	7.6	11.4

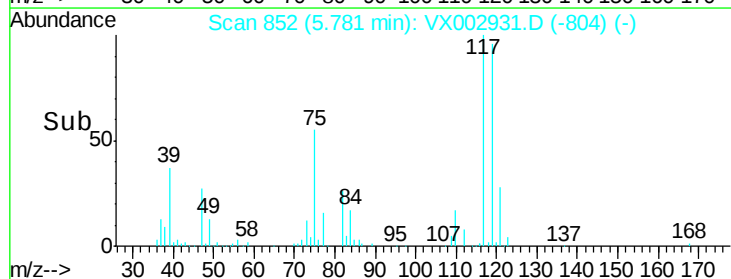
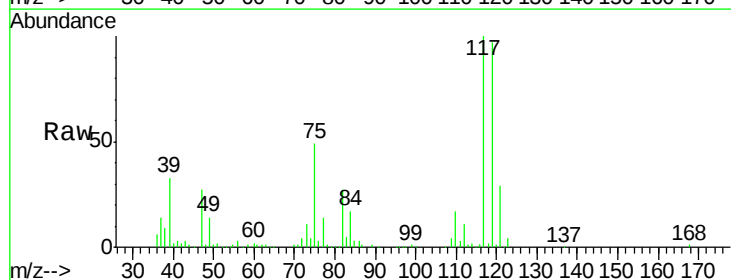
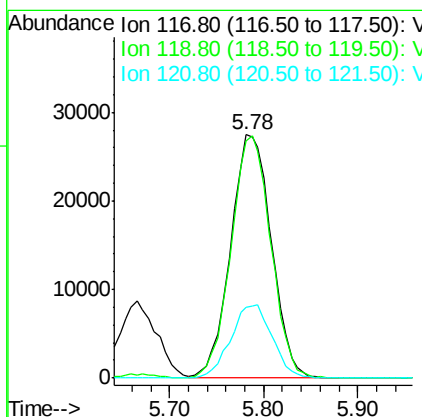
Manual Integrations
APPROVED

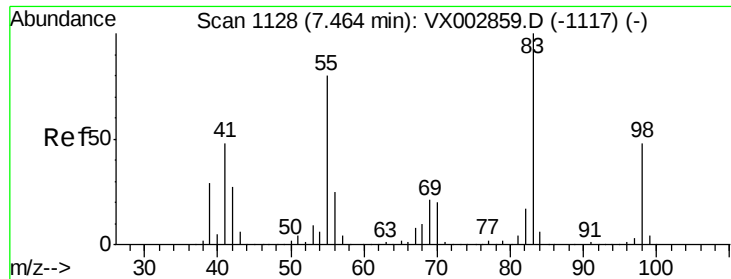
MMDadoda
6/28/2018 4:47:52 PM



#38
Carbon Tetrachloride
Concen: 19.02 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
121	28.9	24.4	36.6





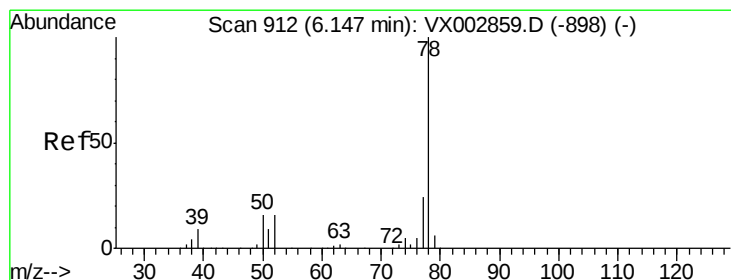
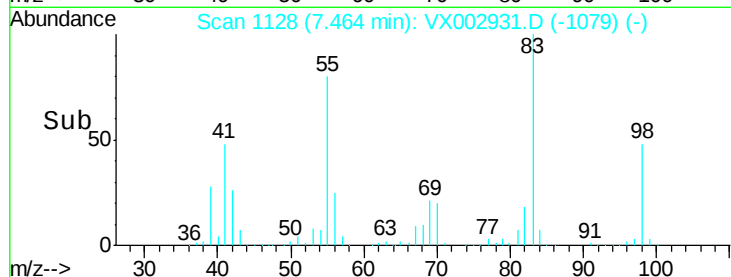
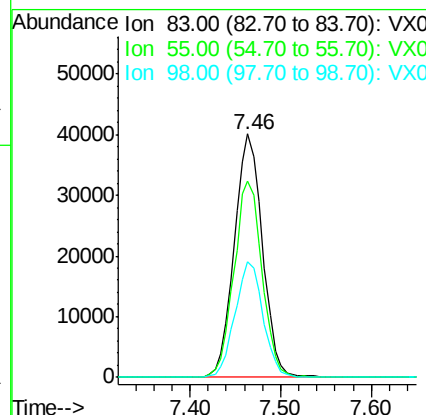
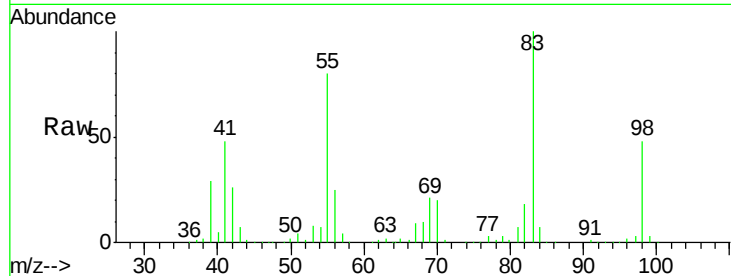
#39
Methvlcvclohexane
Concen: 18.75 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	65.4	98.0
98	47.6	37.4	56.0

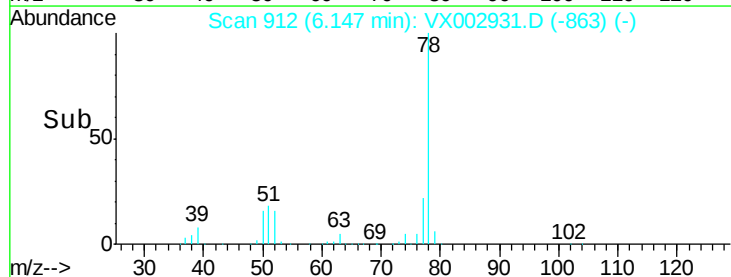
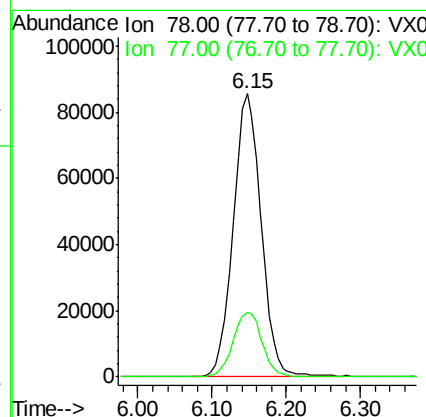
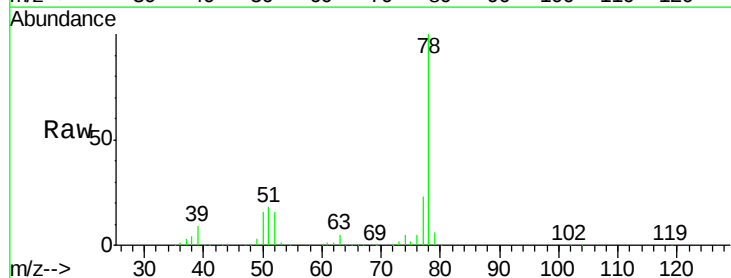
Manual Integrations
APPROVED

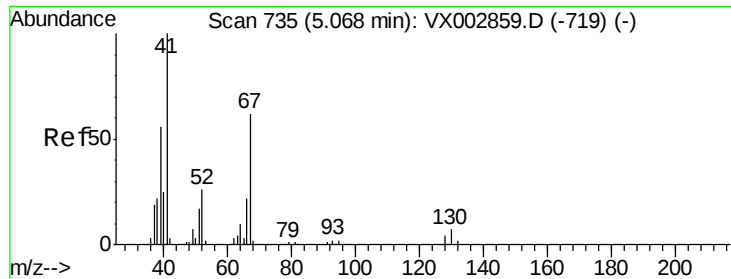
MMDadoda
6/28/2018 4:47:52 PM



#40
Benzene
Concen: 19.56 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7





#41

Methacrylonitrile

Concen: 19.85 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

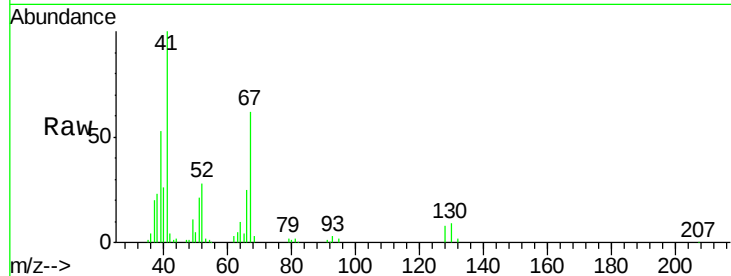
VX0627MBSD01

Tot Ion: 41 Resp: 48739

Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.8	68.6
67	65.7	51.3	76.9
52	28.0	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM

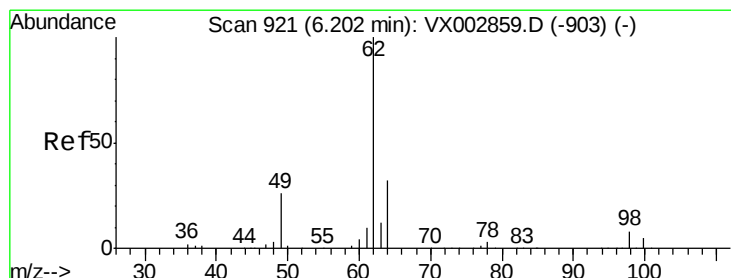
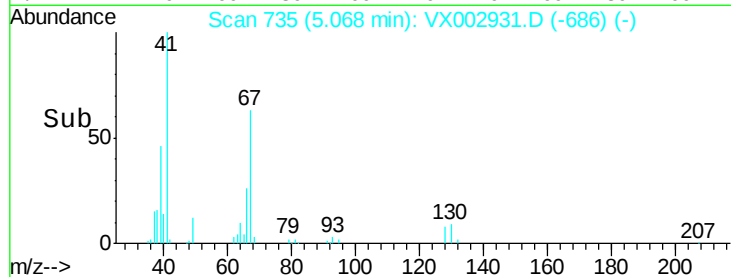
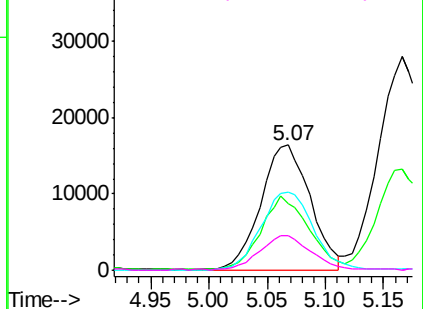


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.34 ug/l

RT: 6.20 min Scan# 921

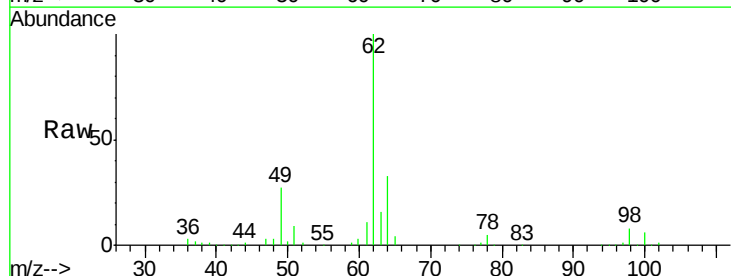
Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

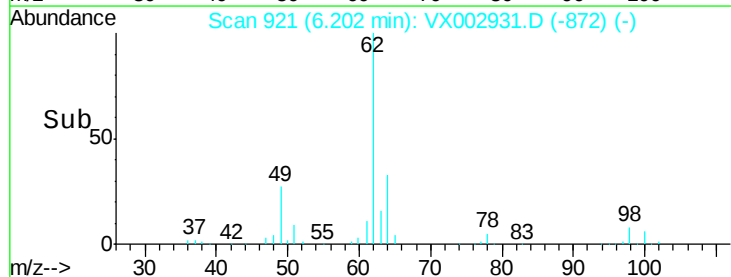
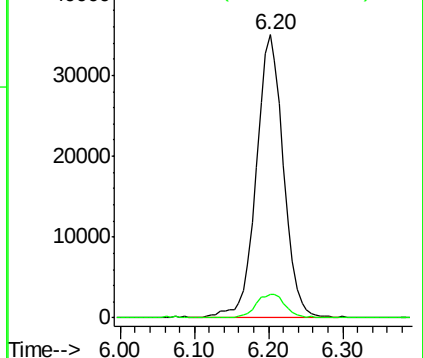
Tgt Ion: 62 Resp: 89910

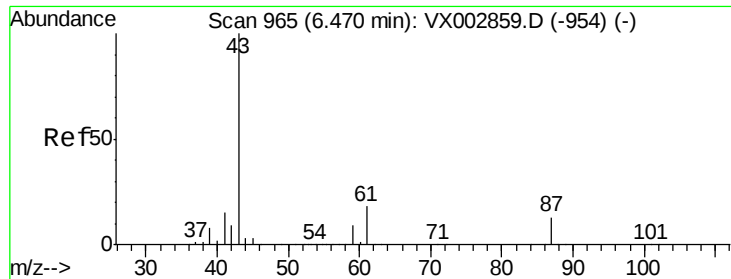
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

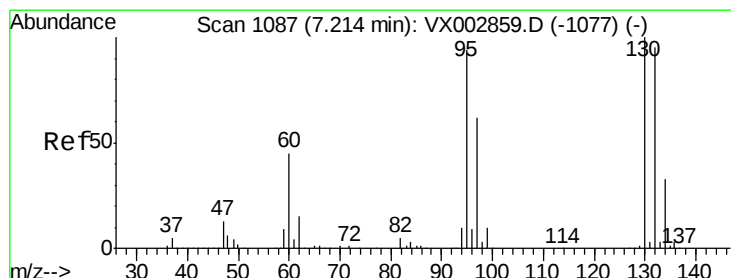
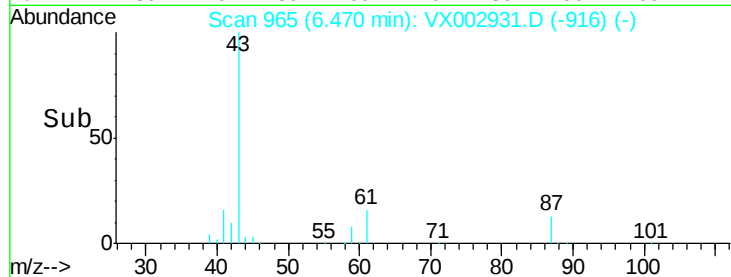
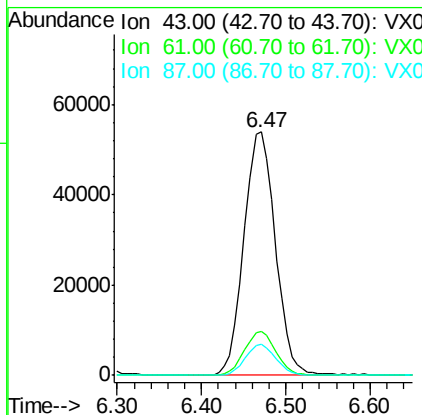
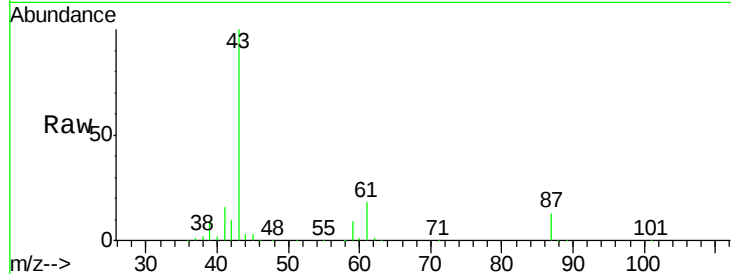
Isopropyl Acetate
 Concen: 18.94 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	12.5	9.5	14.3

Manual Integrations
 APPROVED

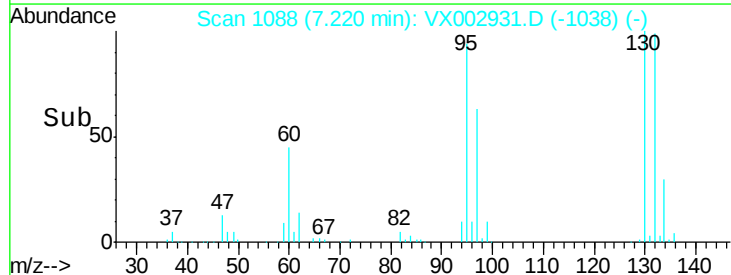
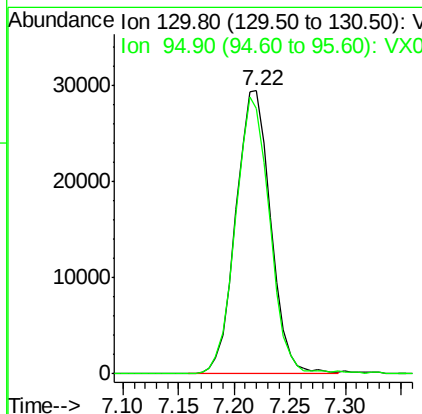
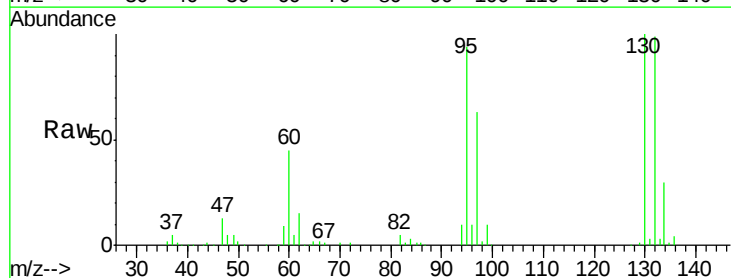
MMDadoda
 6/28/2018 4:47:52 PM



#44

Trichloroethene
 Concen: 18.64 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.32 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 63 Resp: 58984

Ion Ratio Lower Upper

63 100

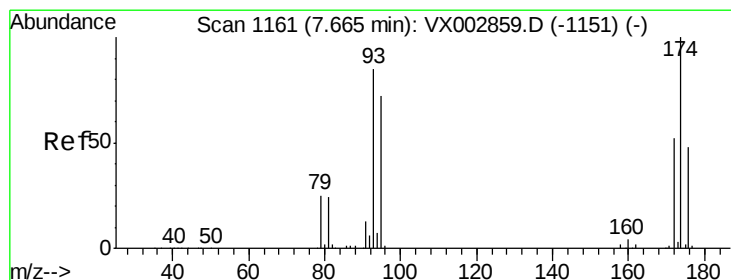
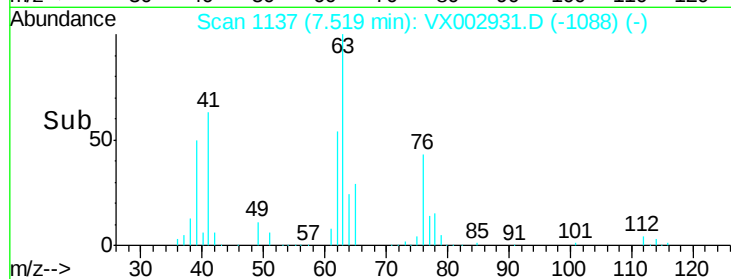
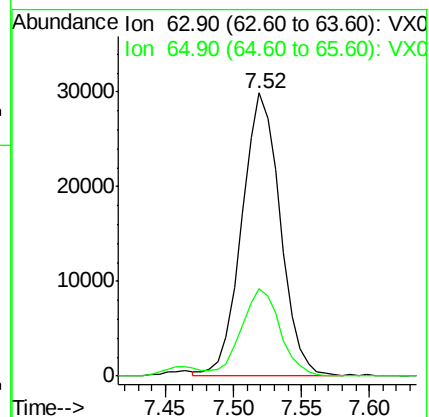
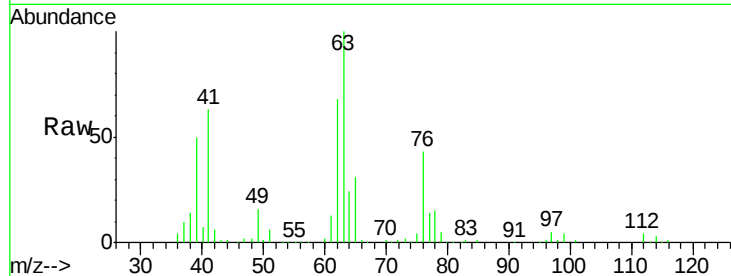
65 30.8 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#46

Dibromomethane

Concen: 19.41 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

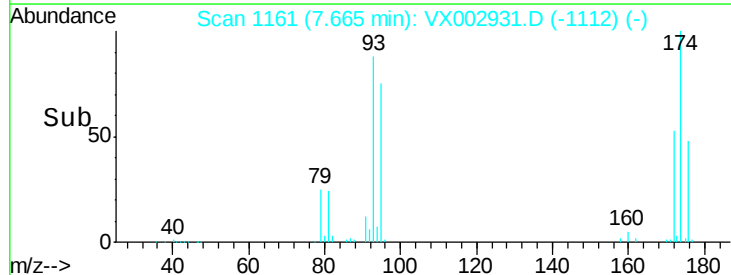
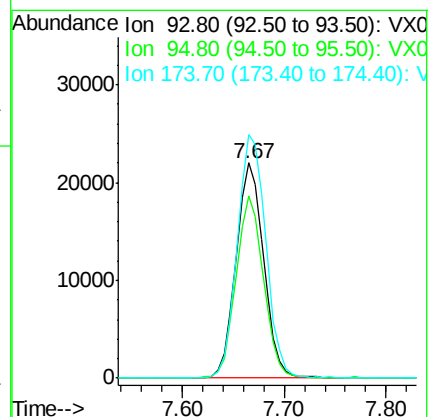
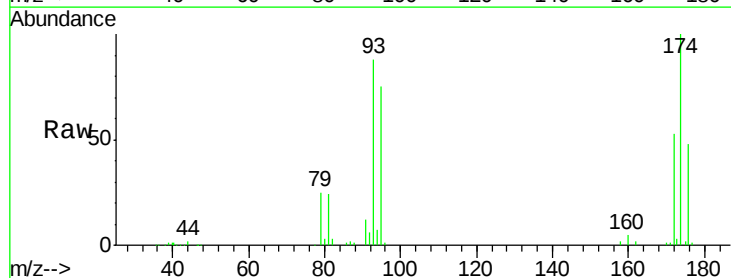
Tgt Ion: 93 Resp: 41131

Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

174 116.9 92.4 138.6





#47

Bromodichloromethane

Concen: 19.52 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

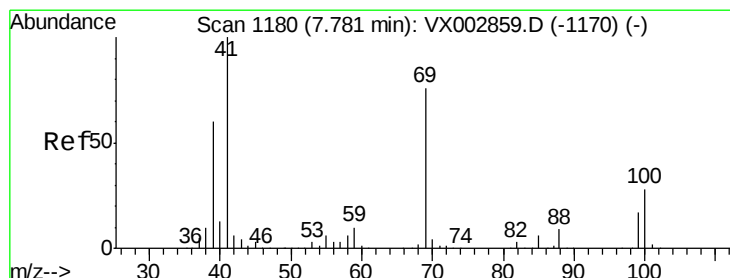
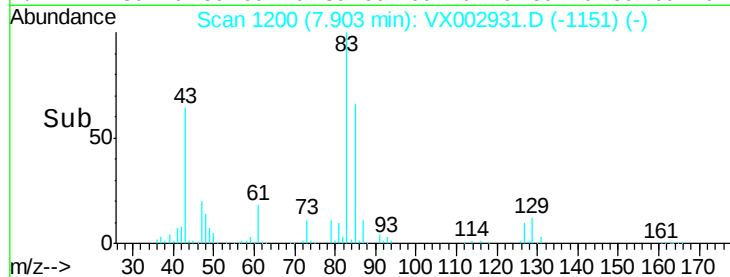
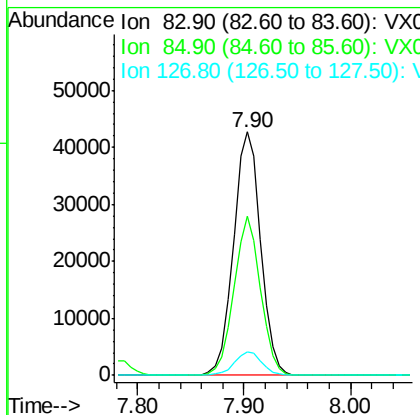
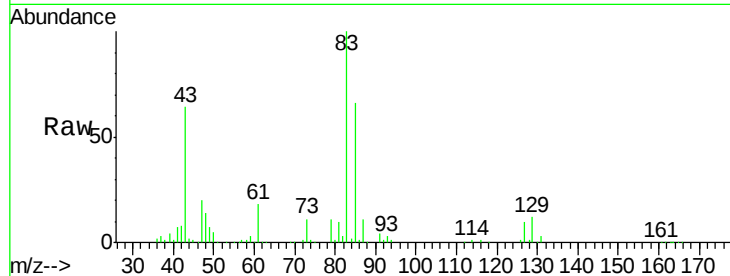
ClientSampleId :

VX0627MBSD01

Tot Ion:	83	Resp:	76447
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#48

Methyl methacrylate

Concen: 19.57 ug/l

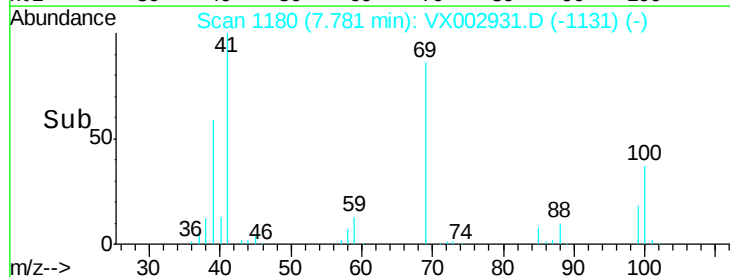
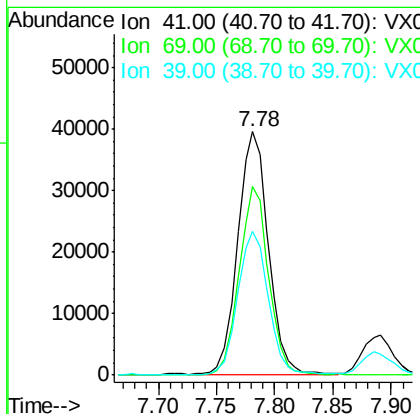
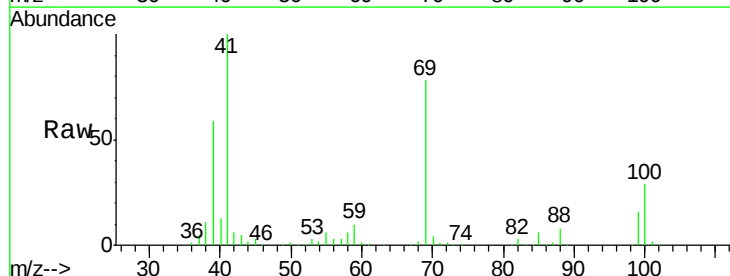
RT: 7.78 min Scan# 1180

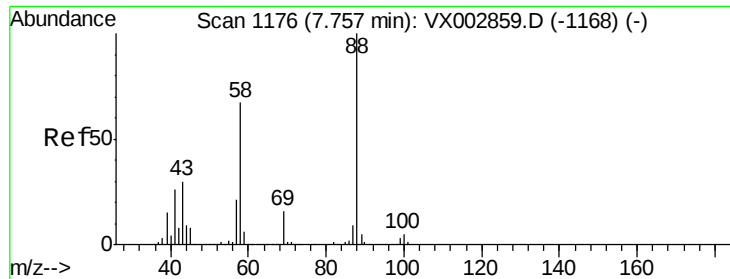
Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	41	Resp:	72139
Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.1	88.7
39	59.0	48.9	73.3





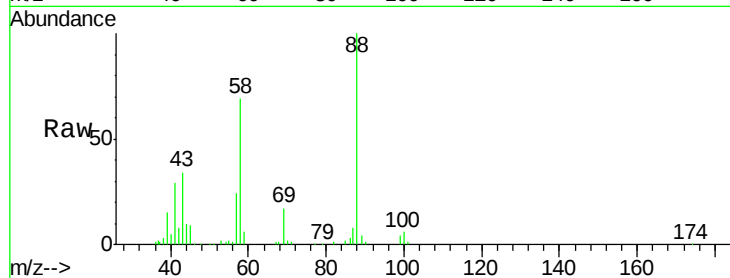
#49
1,4-Dioxane
Concen: 396.88 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

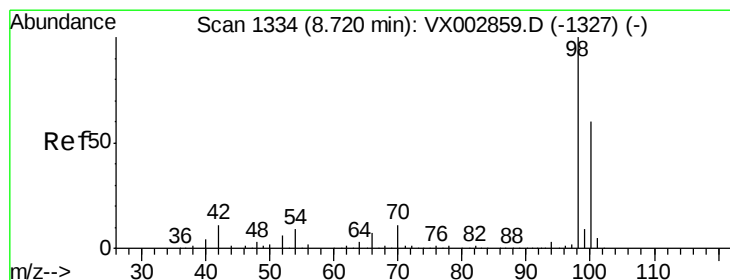
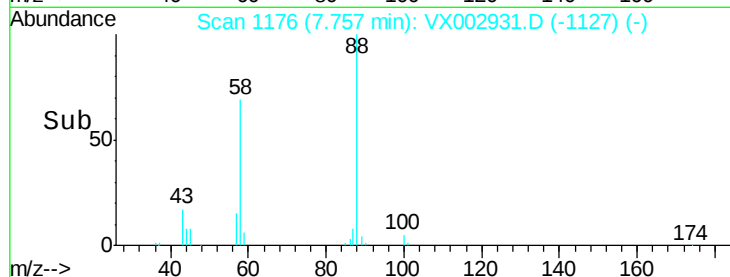
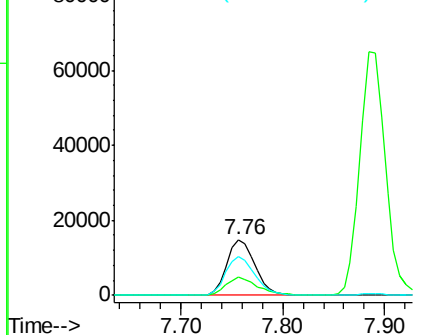
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.8	44.6
58	72.7	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM

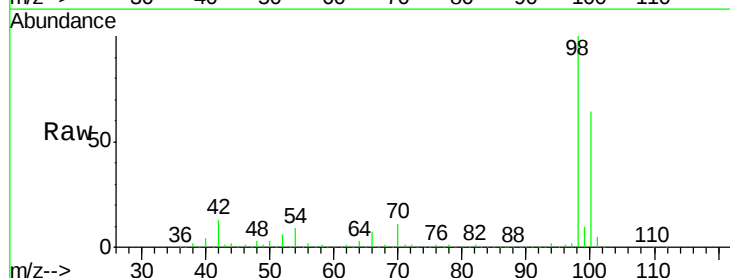


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

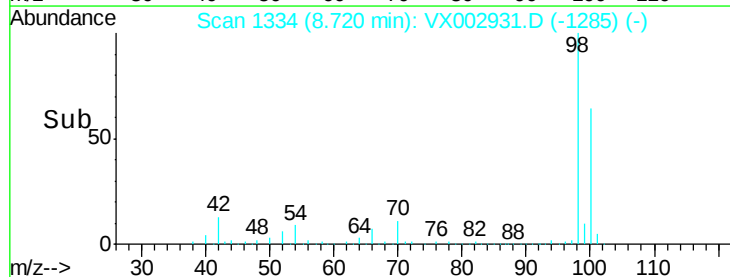
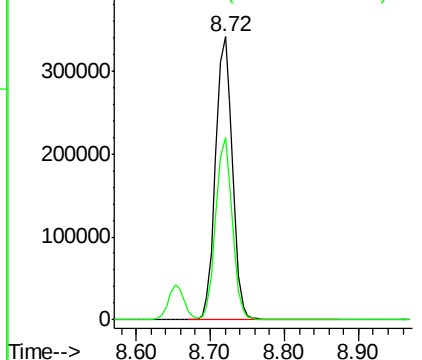


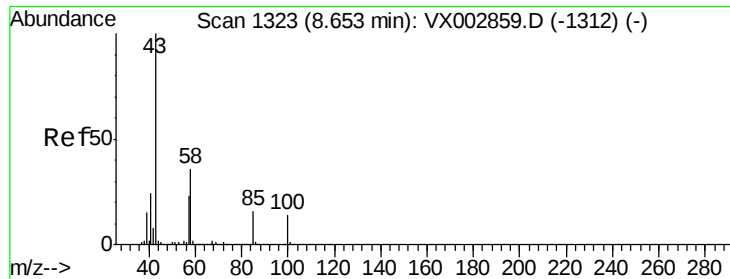
#50
Toluene-d8
Concen: 50.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3



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





#51

4-Methyl-2-Pentanone

Concen: 100.22 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 43 Resp: 448535

Ion Ratio Lower Upper

43 100

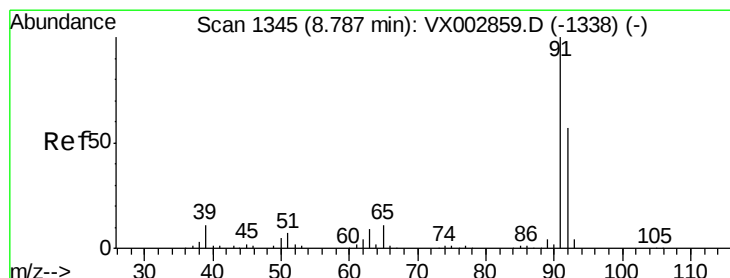
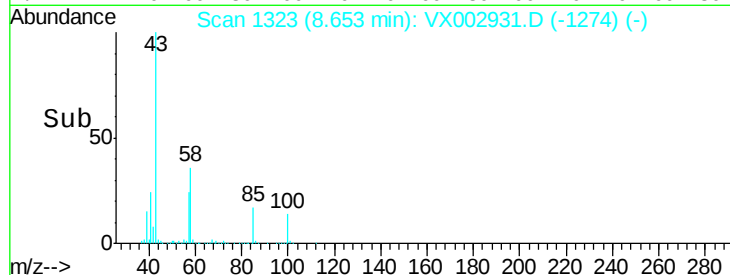
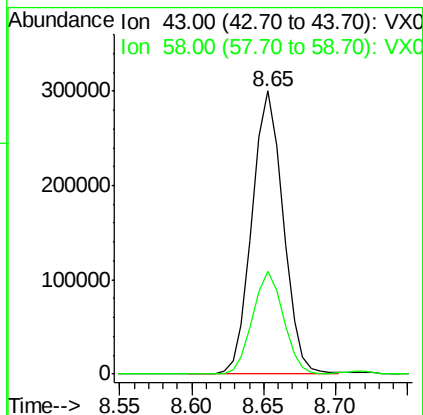
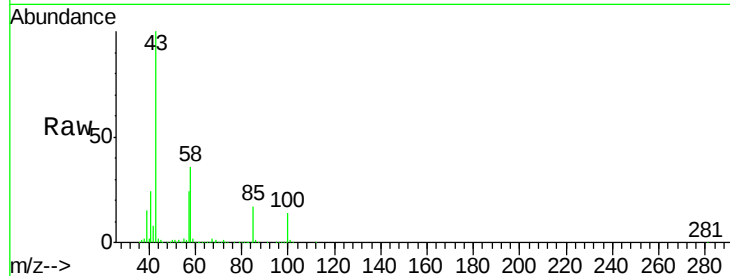
58 36.1 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#52

Toluene

Concen: 19.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002931.D

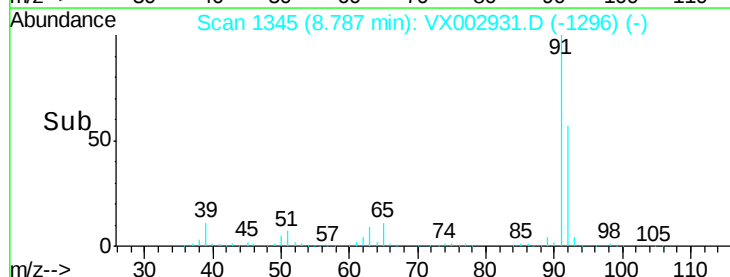
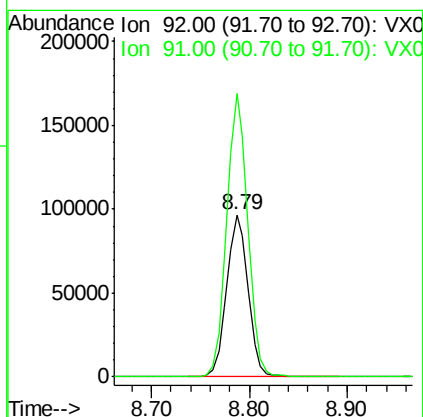
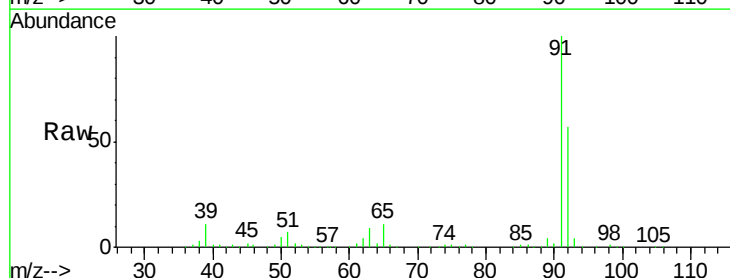
Acq: 27 Jun 2018 12:59

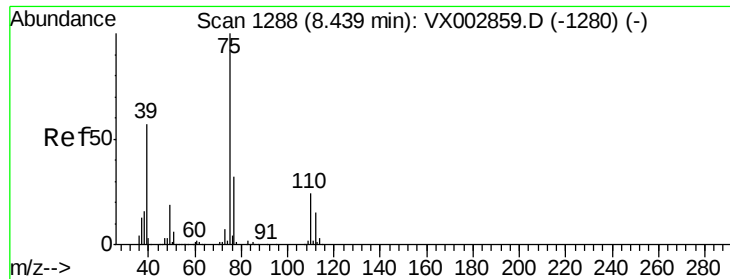
Tgt Ion: 92 Resp: 146687

Ion Ratio Lower Upper

92 100

91 172.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.69 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 75 Resp: 87334

Ion Ratio Lower Upper

75 100

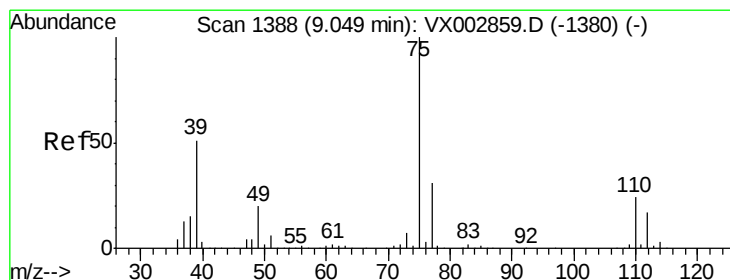
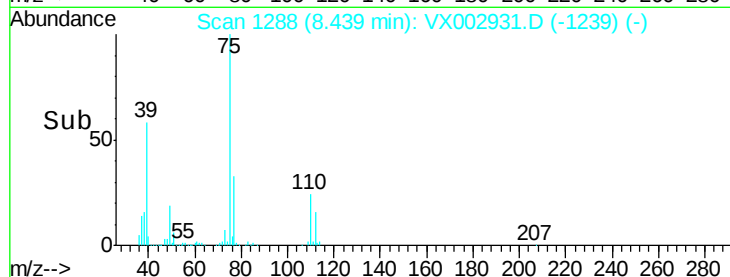
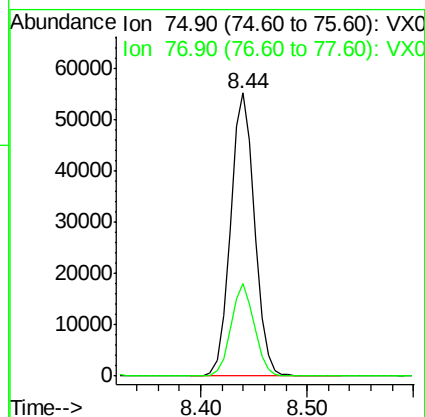
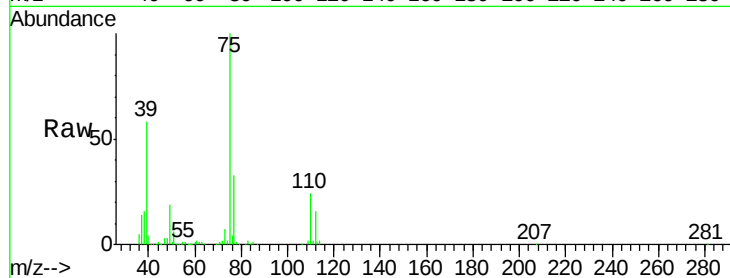
77 32.9 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#54

cis-1,3-Dichloropropene

Concen: 18.72 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

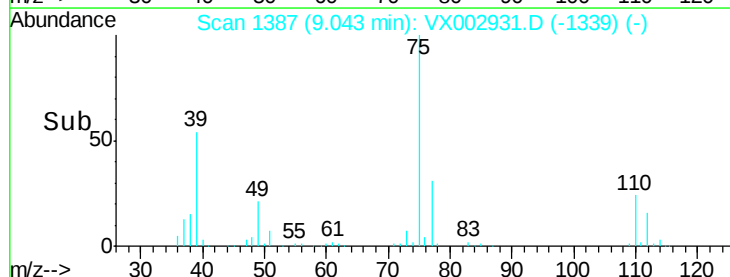
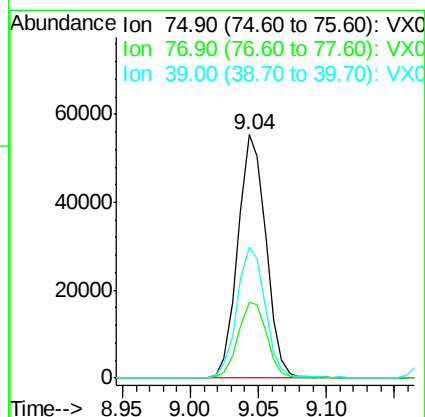
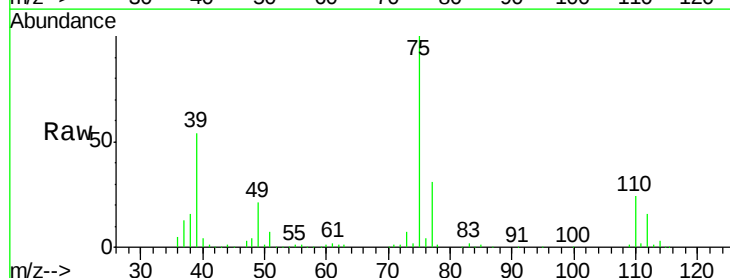
Tgt Ion: 75 Resp: 79893

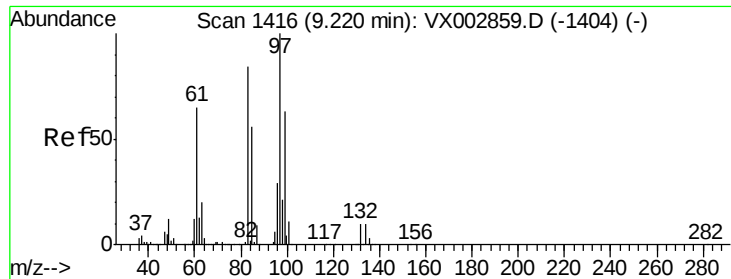
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 53.7 42.4 63.6





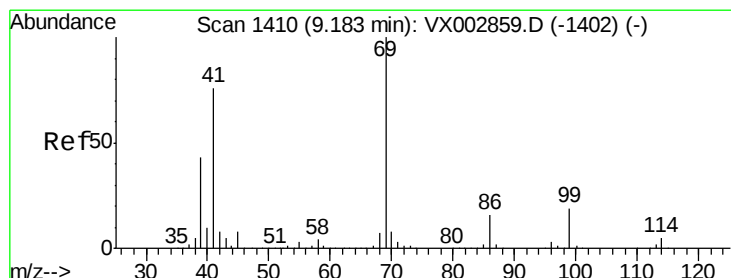
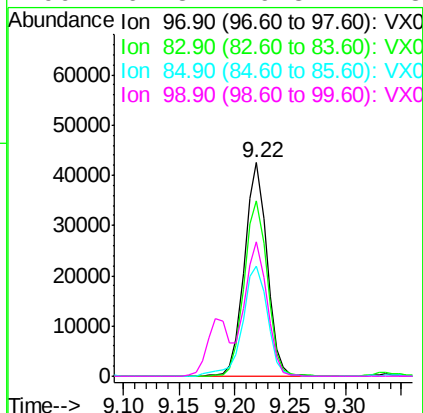
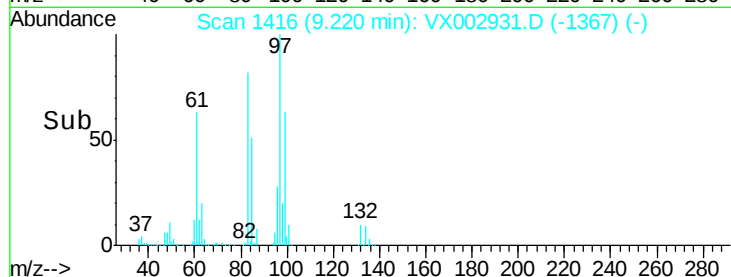
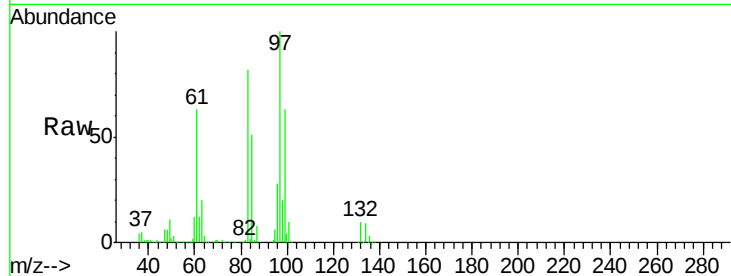
#55
 1,1,2-Trichloroethane
 Concen: 19.87 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	97	Resp	60196
Ion	Ratio	Lower	Upper
97	100		
83	82.0	70.2	105.2
85	51.4	44.9	67.3
99	62.8	49.8	74.8

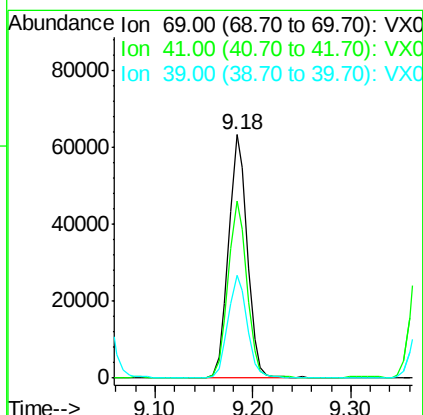
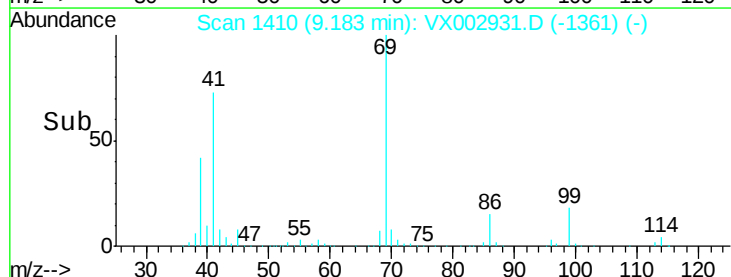
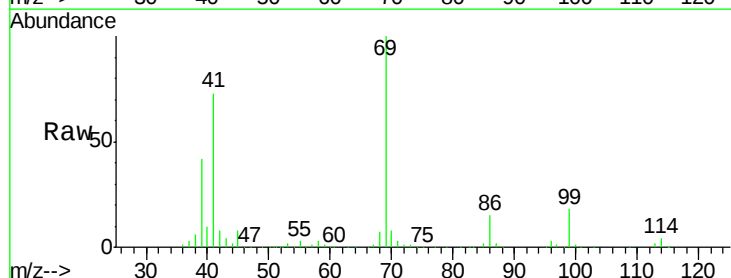
Manual Integrations
 APPROVED

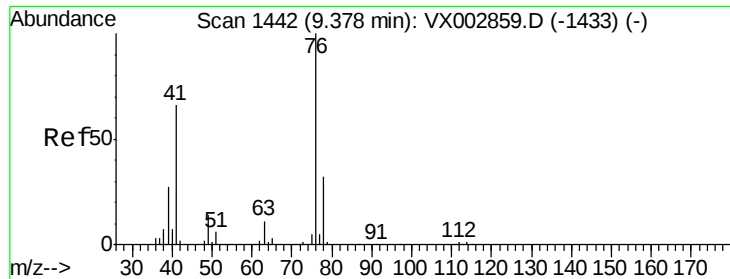
MMDadoda
 6/28/2018 4:47:52 PM



#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	69	Resp	84904
Ion	Ratio	Lower	Upper
69	100		
41	72.9	60.3	90.5
39	43.1	35.8	53.8





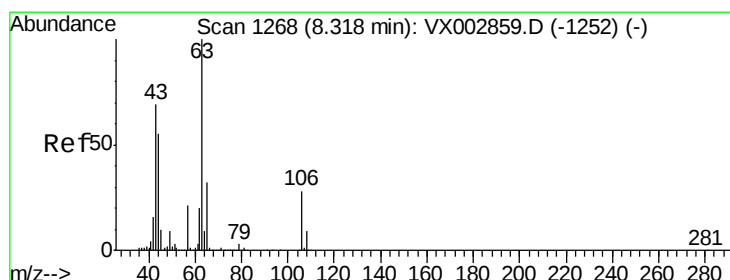
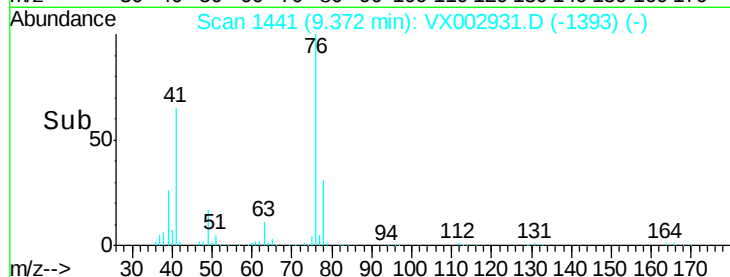
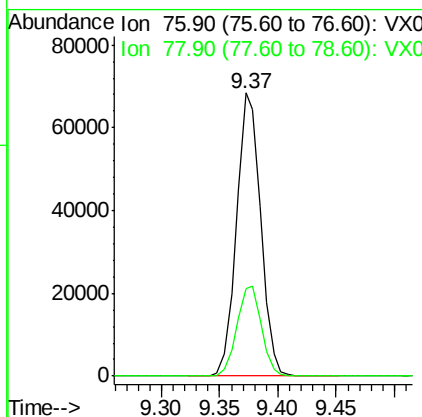
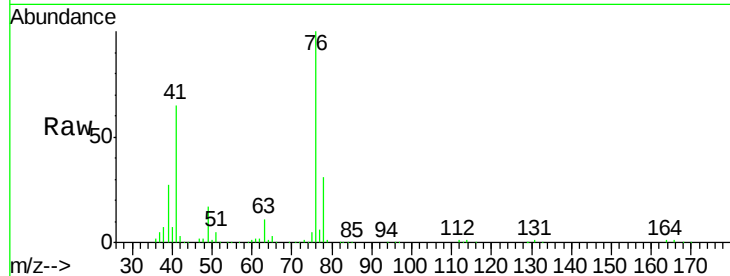
#57
 1,3-Dichloropropane
 Concen: 19.90 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

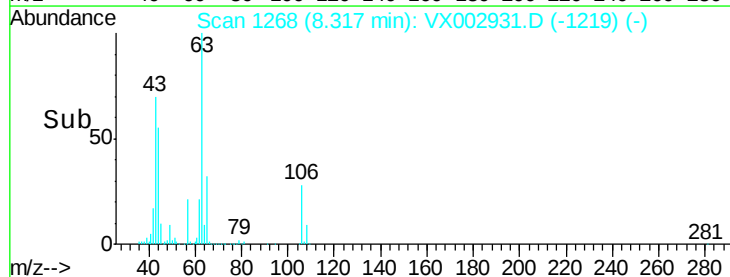
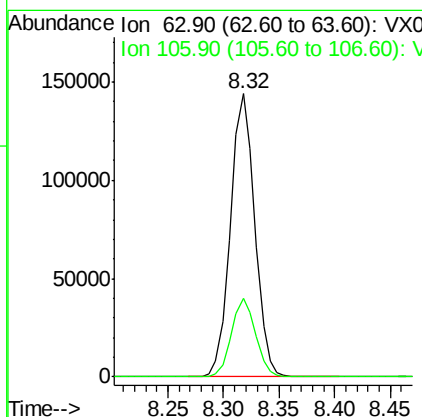
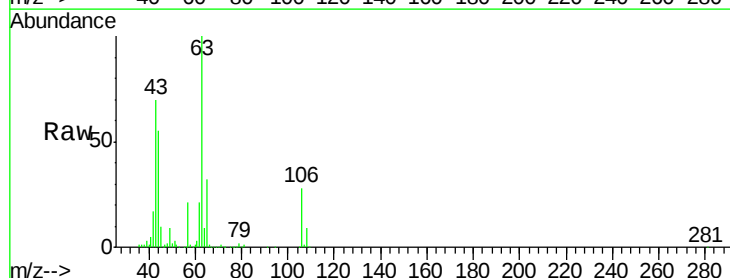
Manual Integrations
 APPROVED

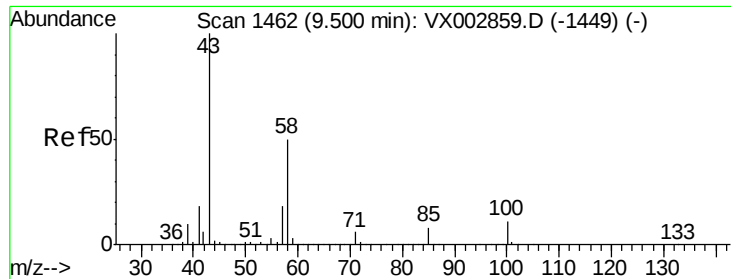
MMDadoda
 6/28/2018 4:47:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.80 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.8	32.8





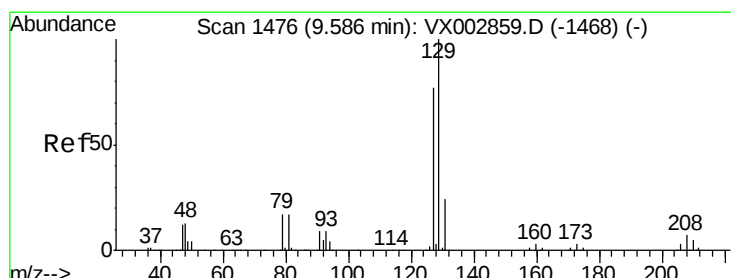
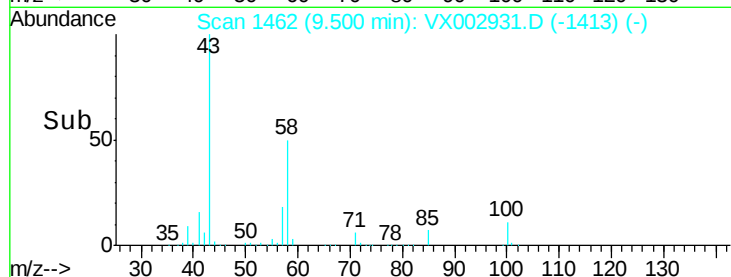
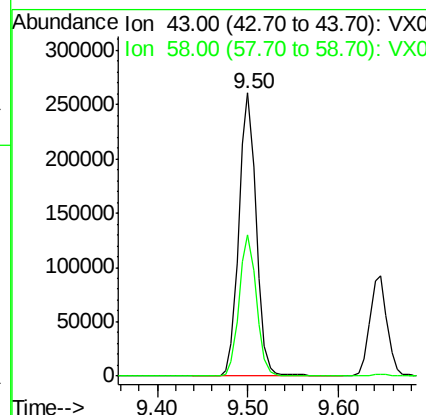
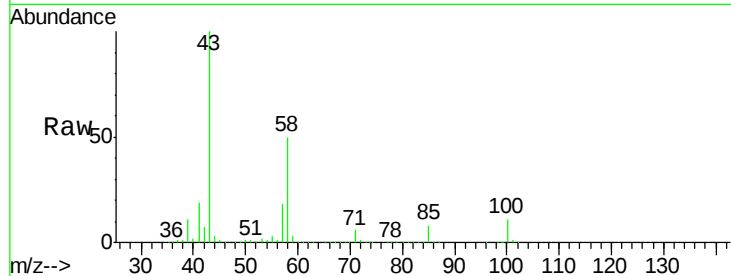
#59
2-Hexanone
Concen: 101.63 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion: 43 Resp: 345662
Ion Ratio Lower Upper
43 100
58 50.1 24.6 73.6

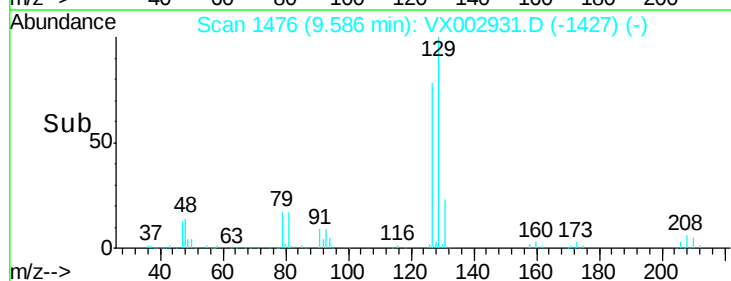
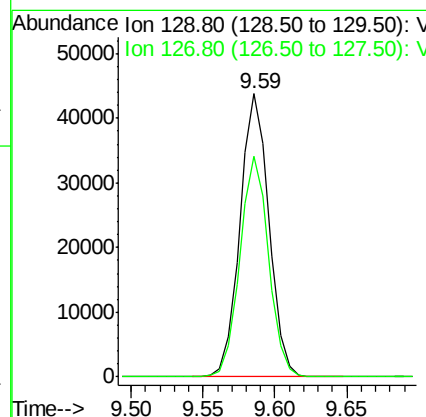
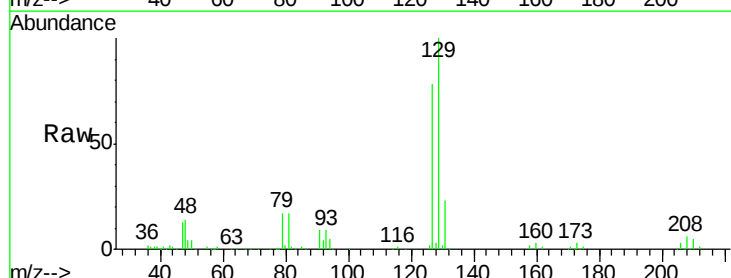
Manual Integrations
APPROVED

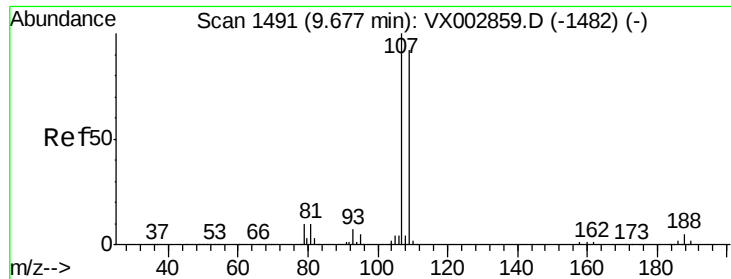
MMDadoda
6/28/2018 4:47:52 PM



#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion: 129 Resp: 61228
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.86 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion:107 Resp: 63105

Ion Ratio Lower Upper

107 100

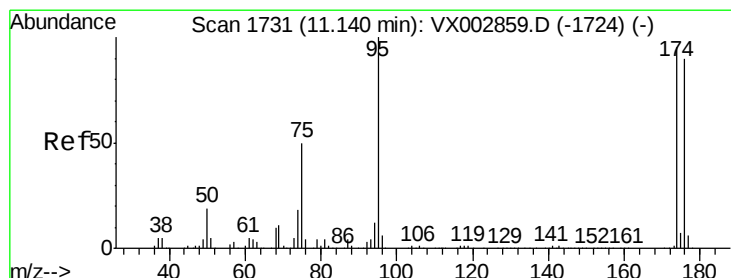
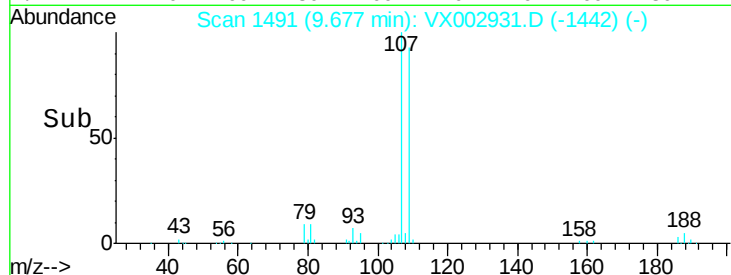
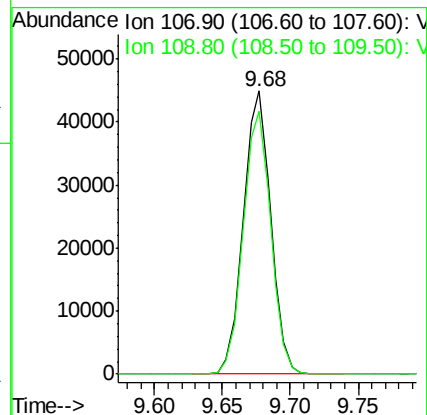
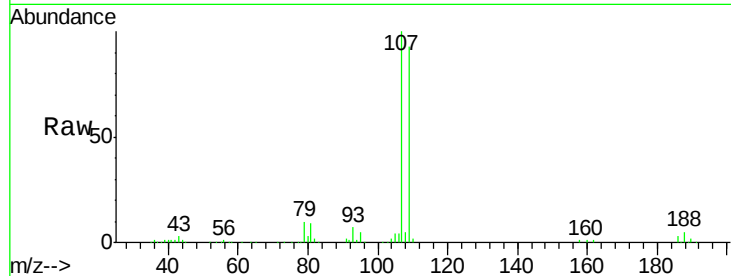
109 93.7 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#62

4-Bromofluorobenzene

Concen: 50.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

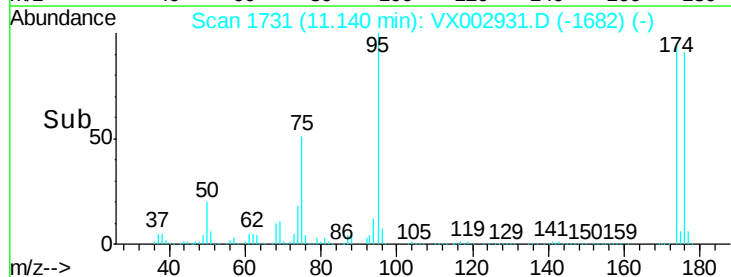
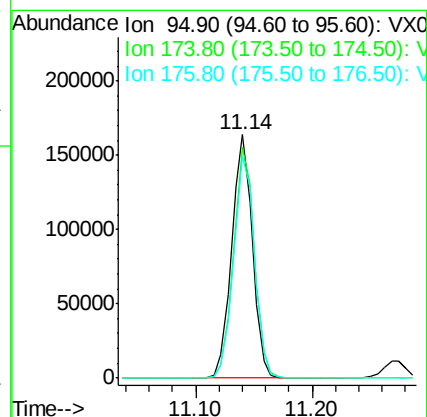
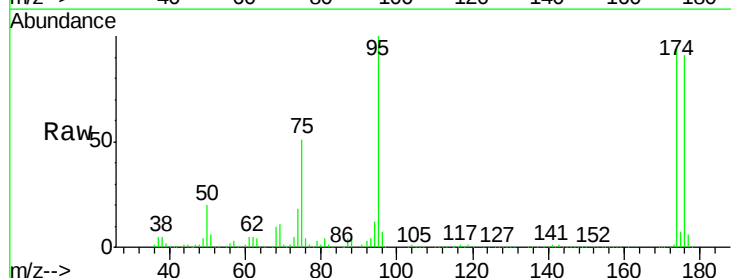
Tgt Ion: 95 Resp: 201420

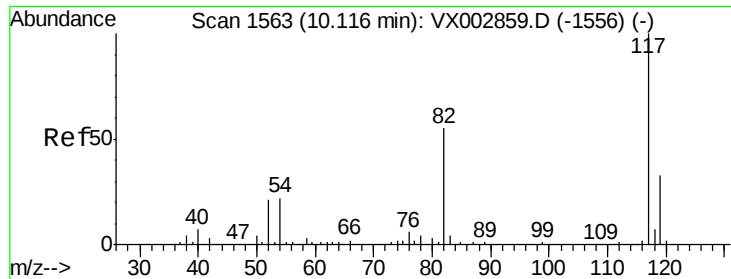
Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.4

176 92.7 0.0 181.0





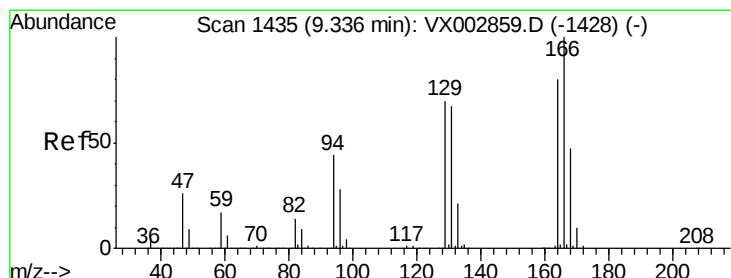
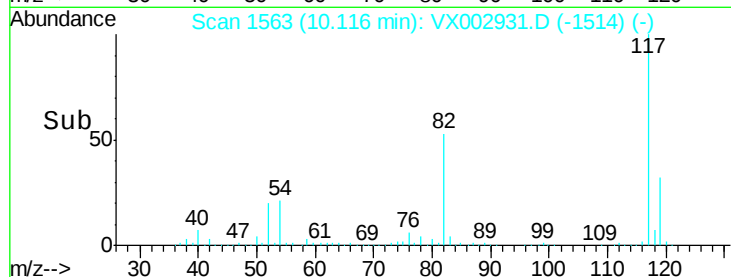
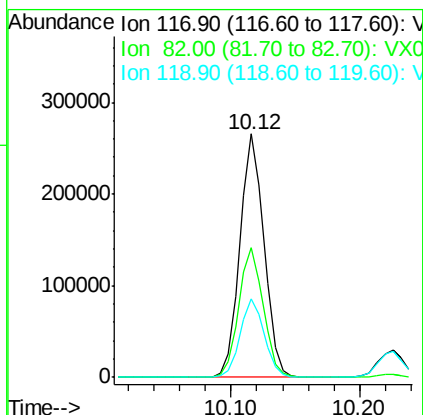
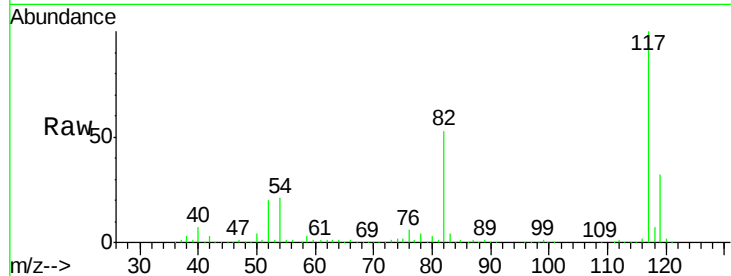
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampled :
VX0627MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.0	67.4
119	32.0	25.8	38.6

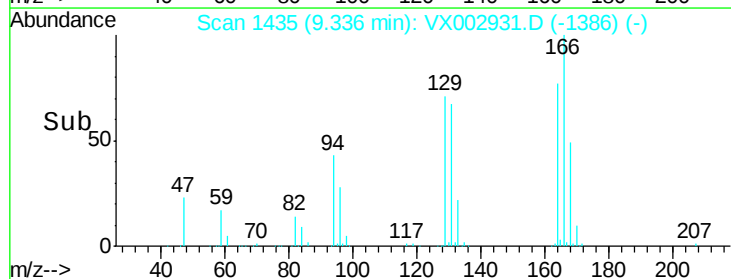
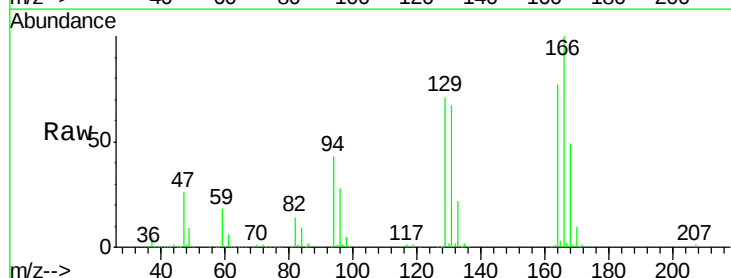
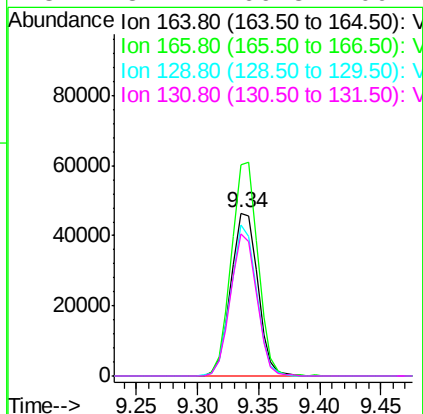
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#64
Tetrachloroethene
Concen: 18.30 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.9	154.3
129	92.8	68.6	102.8
131	87.4	66.8	100.2





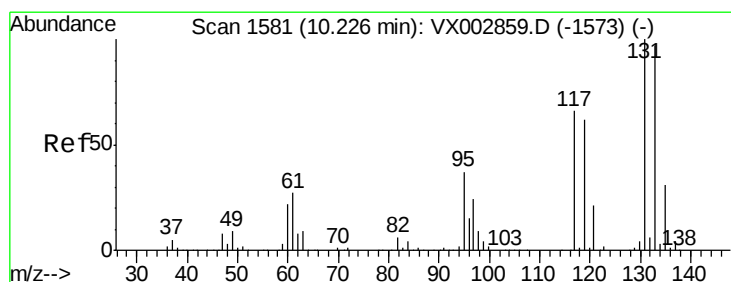
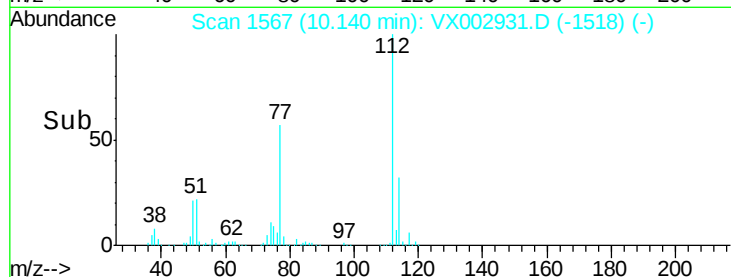
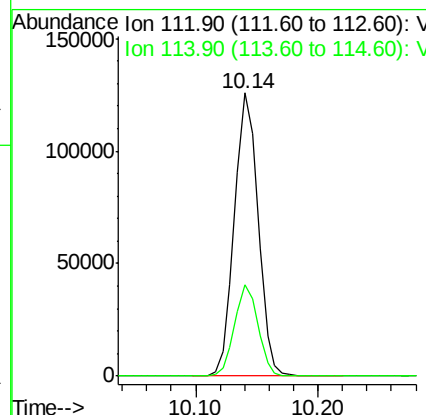
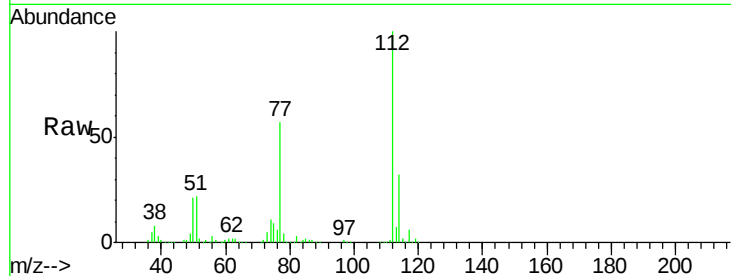
#65
Chlorobenzene
Concen: 19.21 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	168511		
114	32.5	25.3	37.9	

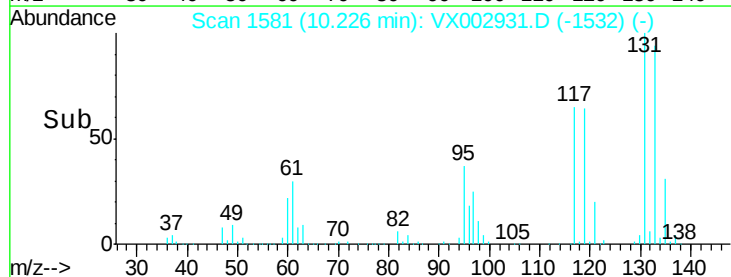
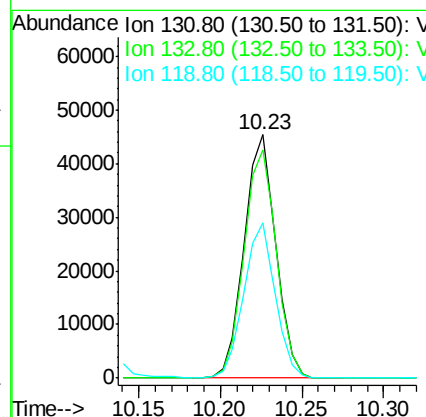
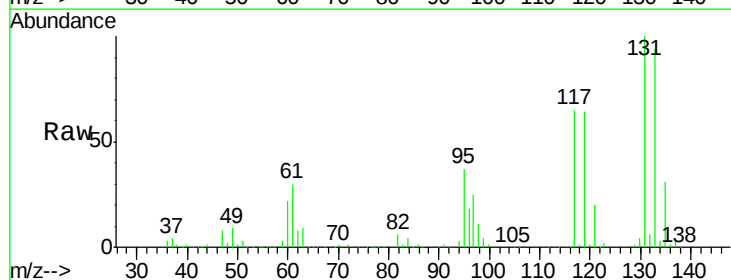
Manual Integrations
APPROVED

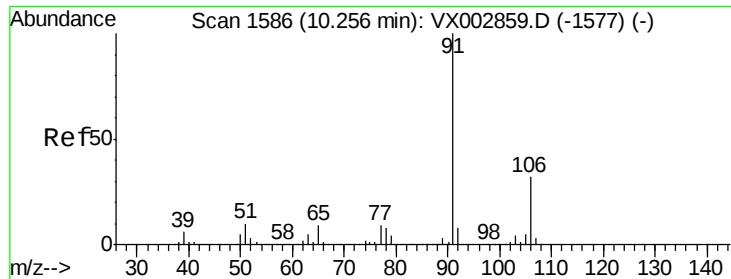
MMDadoda
6/28/2018 4:47:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.30 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	61498		
133	95.6	47.9	143.6	
119	63.5	31.8	95.3	





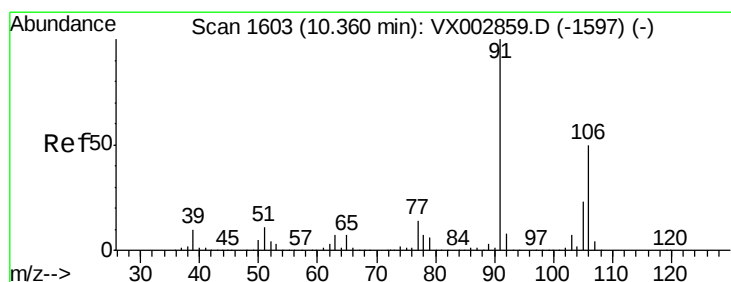
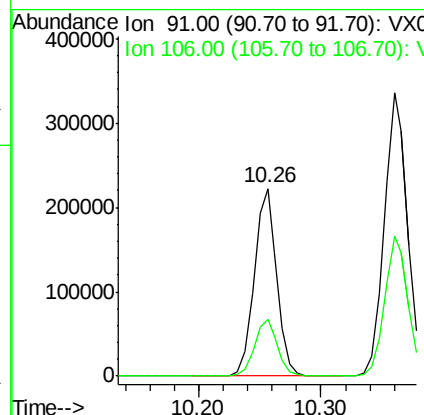
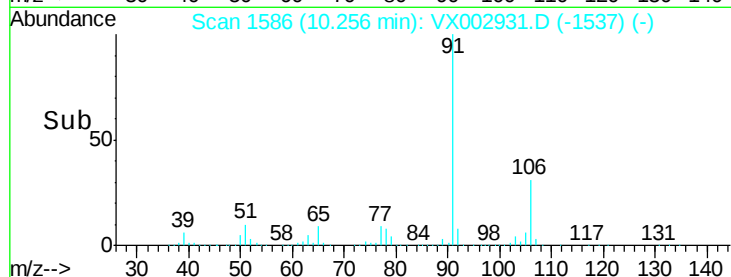
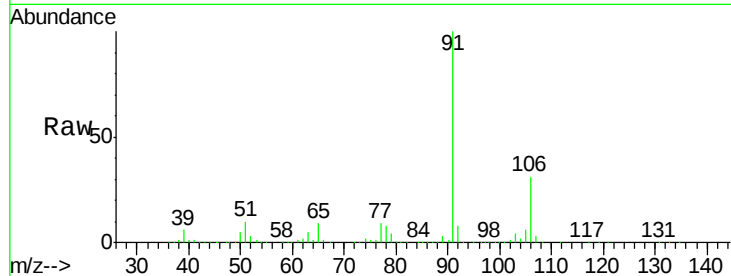
#67
Ethyl Benzene
Concen: 19.54 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion: 91 Resp: 283141
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

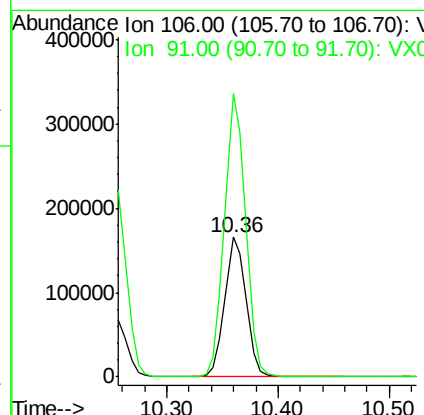
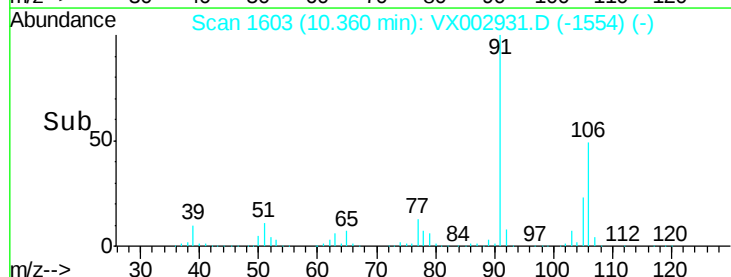
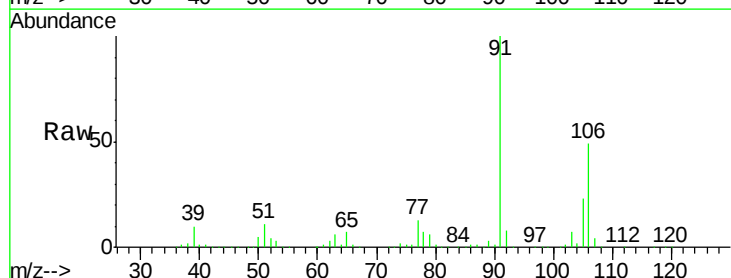
Manual Integrations
APPROVED

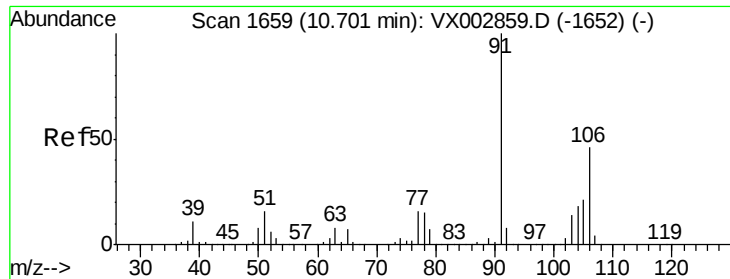
MMDadoda
6/28/2018 4:47:52 PM



#68
m/p-Xylenes
Concen: 39.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion: 106 Resp: 219109
Ion Ratio Lower Upper
106 100
91 202.2 163.4 245.2





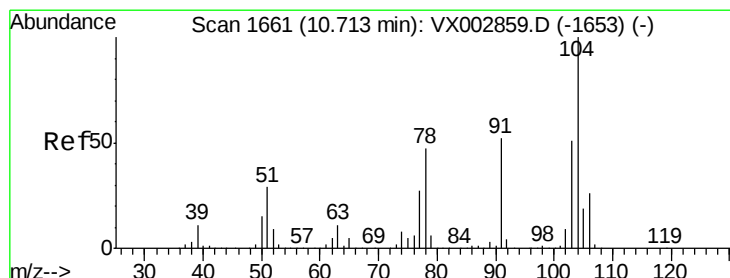
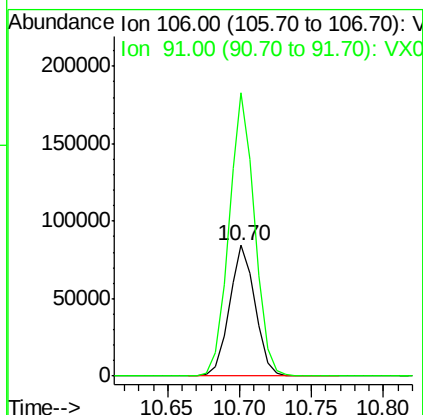
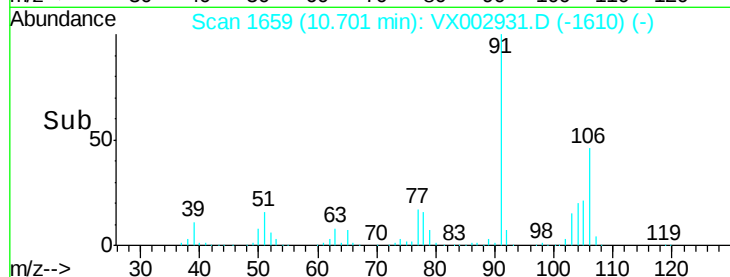
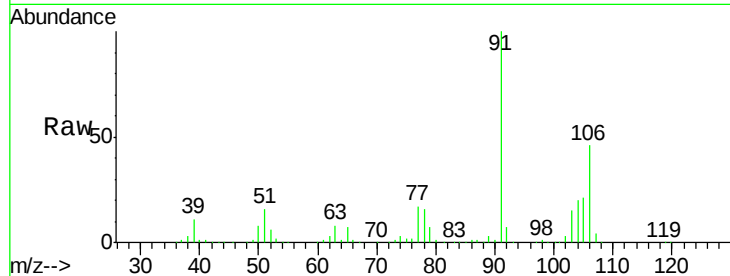
#69
o-Xylene
Concen: 19.40 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion:106 Resp: 105487
Ion Ratio Lower Upper
106 100
91 216.1 108.2 324.6

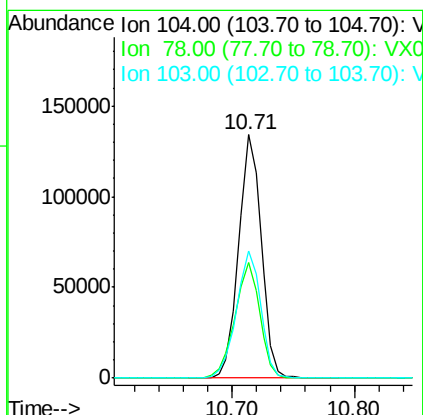
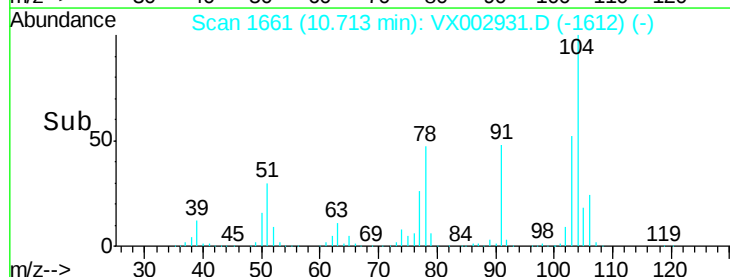
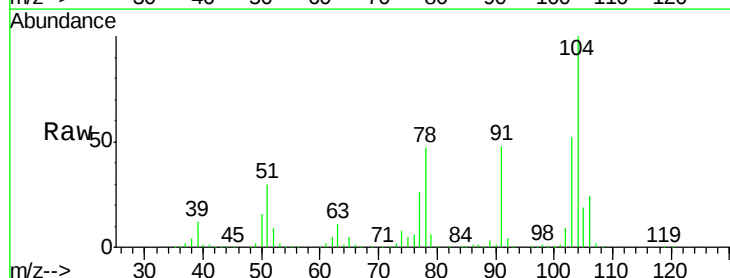
Manual Integrations
APPROVED

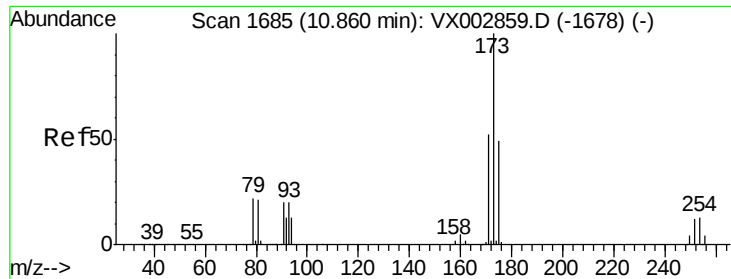
MMDadoda
6/28/2018 4:47:52 PM



#70
Styrene
Concen: 19.45 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion:104 Resp: 171833
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.6
103 56.6 44.2 66.4





#71

Bromoform

Concen: 18.97 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion:173 Resp: 47063

Ion Ratio Lower Upper

173 100

175 48.9 24.7 74.1

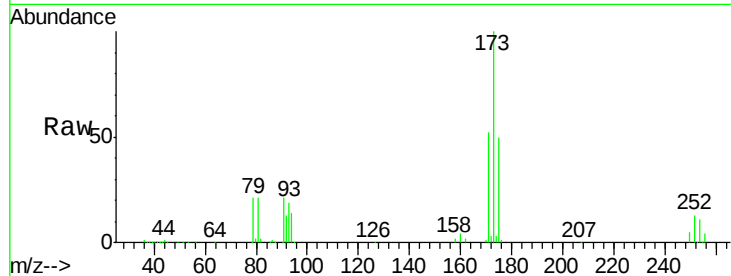
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

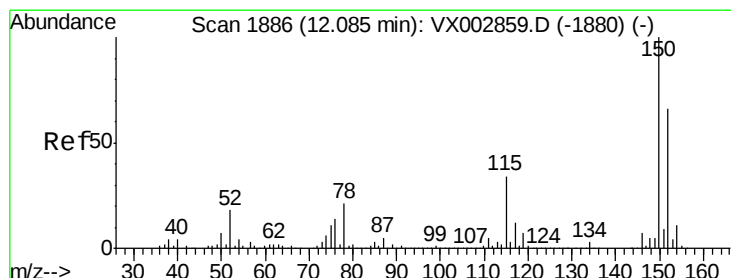
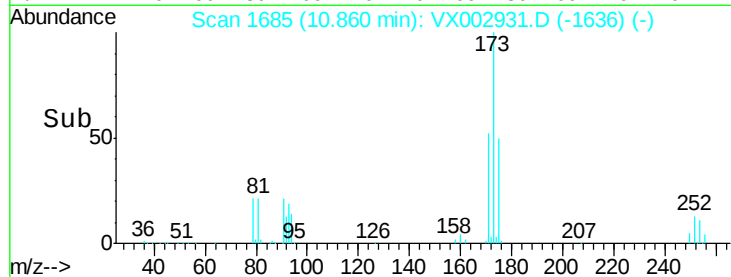
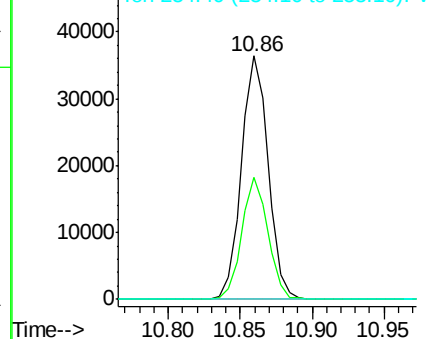
6/28/2018 4:47:52 PM



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

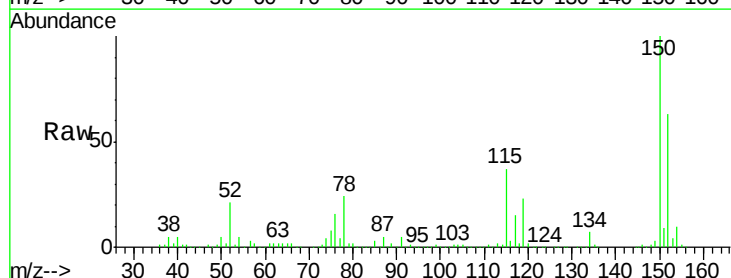
Tgt Ion:152 Resp: 214953

Ion Ratio Lower Upper

152 100

115 64.2 40.1 120.2

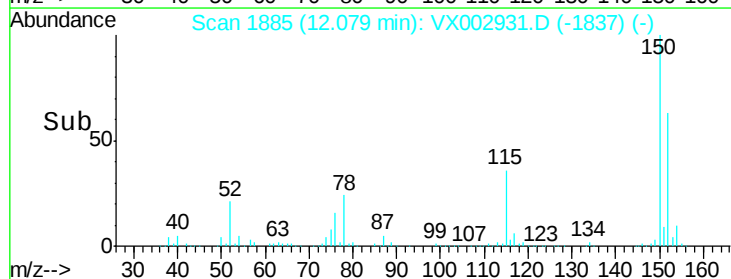
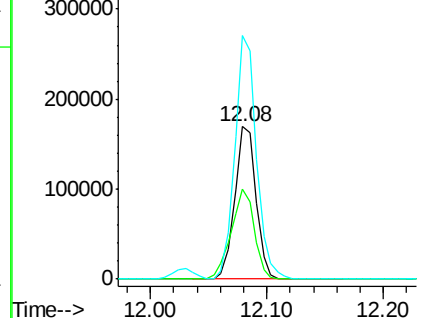
150 162.5 0.0 347.2

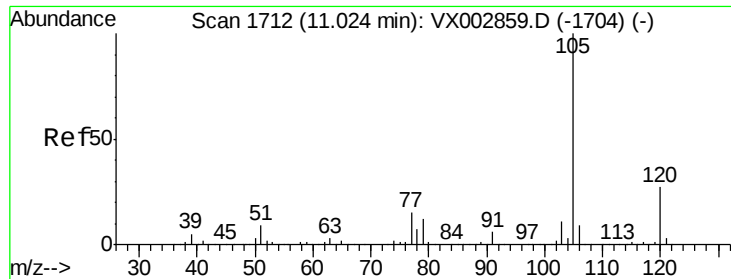


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 105 Resp: 291906

Ion Ratio Lower Upper

105 100

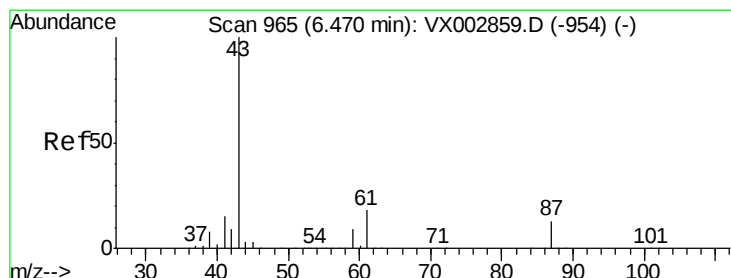
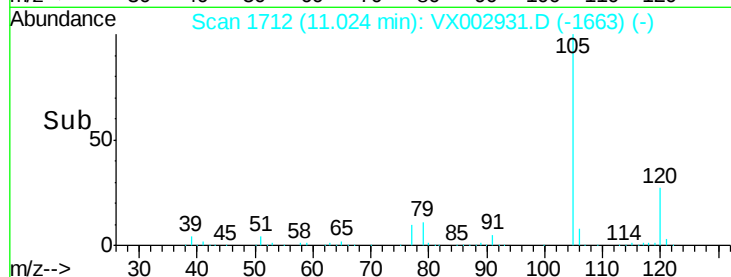
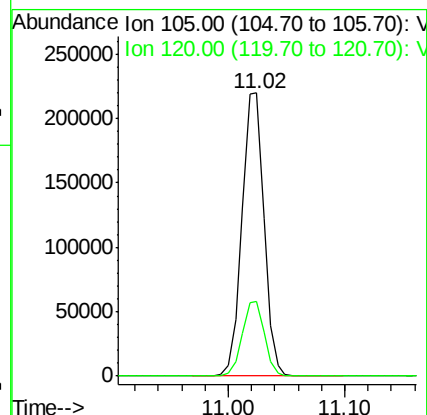
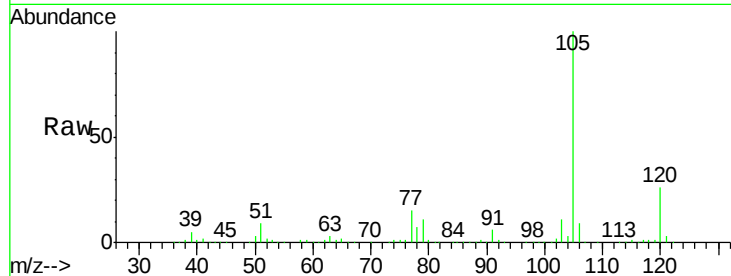
120 26.6 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#74

N-ethyl acetate

Concen: 19.14 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion: 43 Resp: 135445

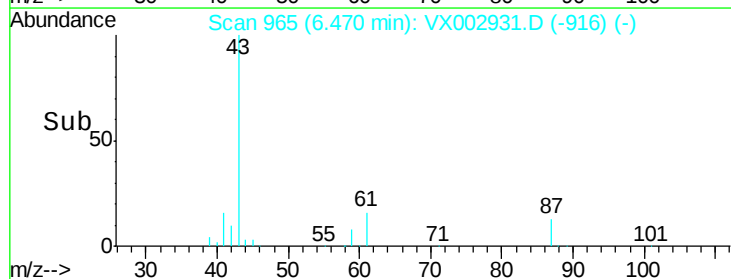
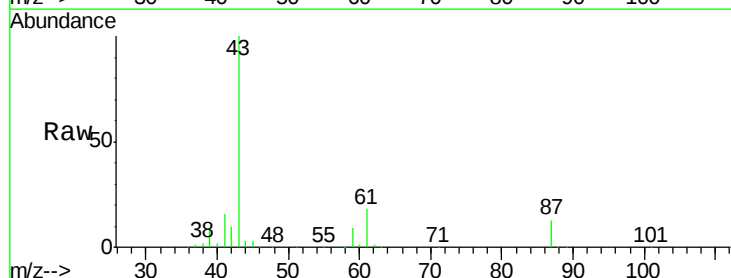
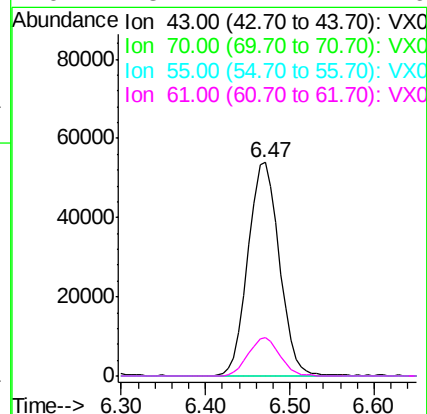
Ion Ratio Lower Upper

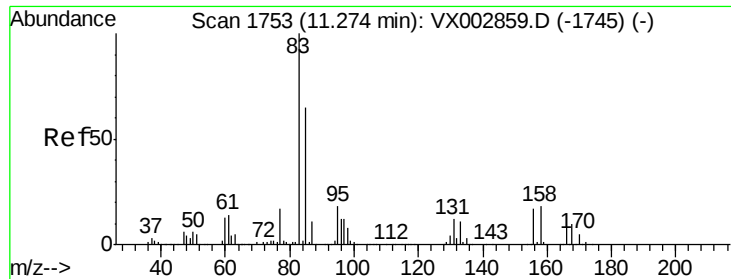
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.01 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 83 Resp: 89134

Ion Ratio Lower Upper

83 100

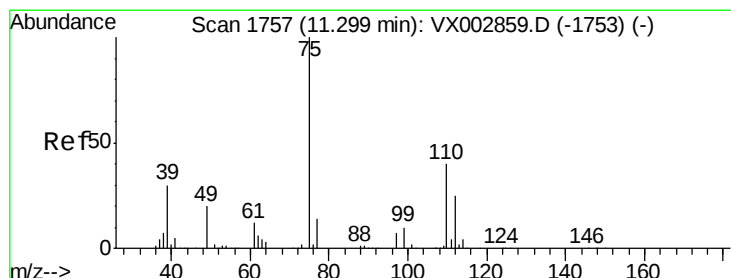
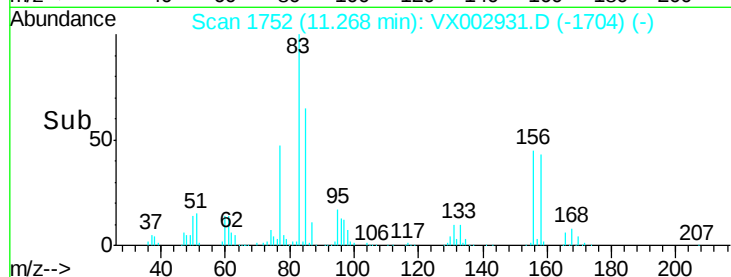
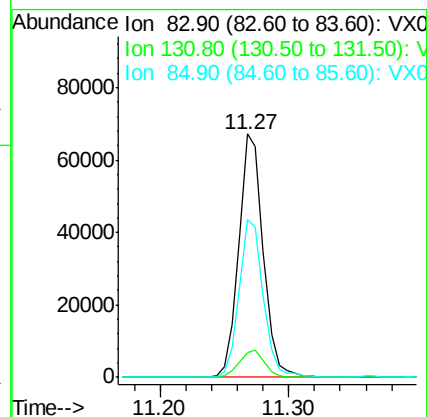
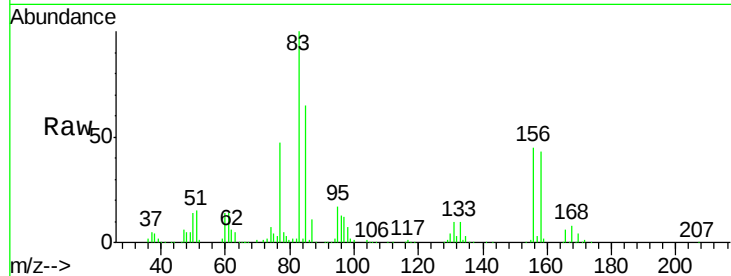
131 11.3 5.6 16.8

85 64.3 32.4 97.2

Manual Integrations
APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#76

1,2,3-Trichloropropane

Concen: 20.43 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002931.D

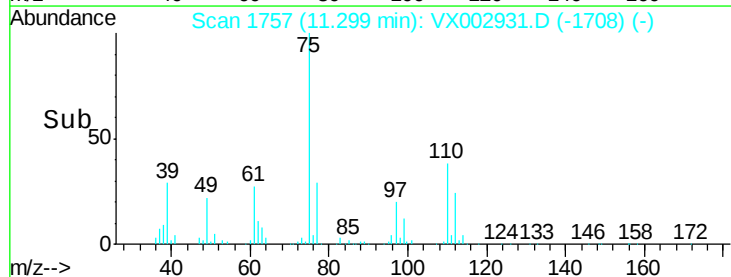
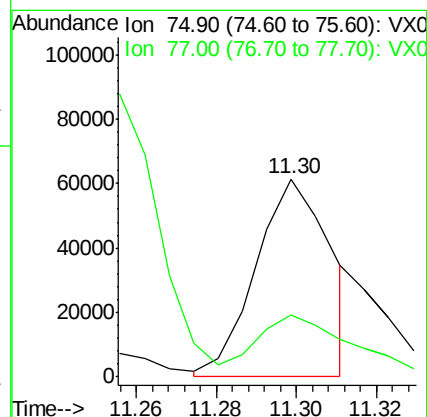
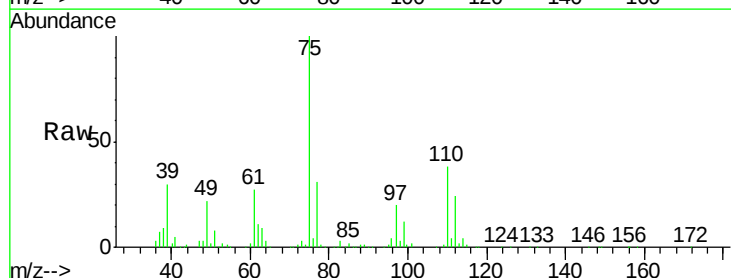
Acq: 27 Jun 2018 12:59

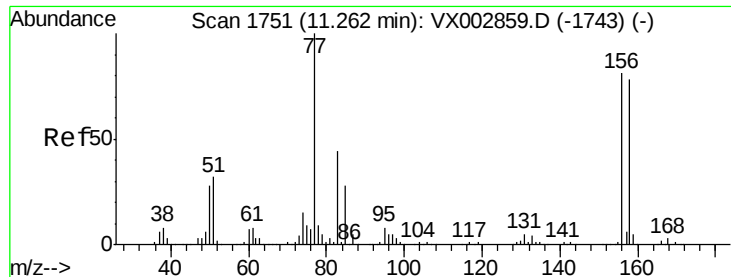
Tgt Ion: 75 Resp: 79552

Ion Ratio Lower Upper

75 100

77 40.2 22.8 68.3





#77

Bromobenzene

Concen: 19.63 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion:156 Resp: 80834

Ion Ratio Lower Upper

156 100

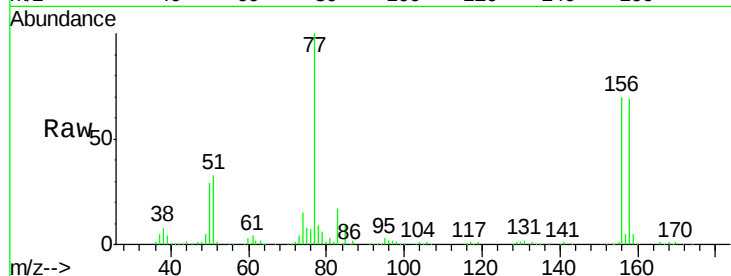
77 138.9 71.4 214.2

158 97.5 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

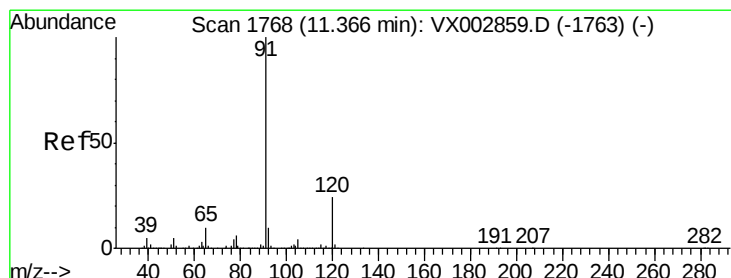
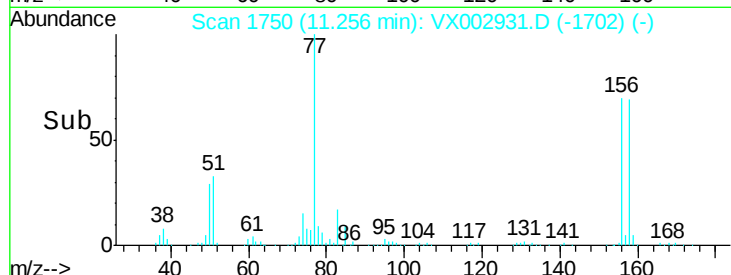
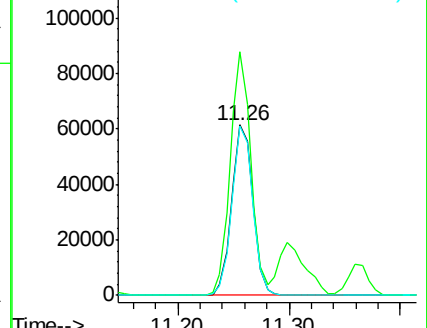
6/28/2018 4:47:52 PM



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: 20.01 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX002931.D

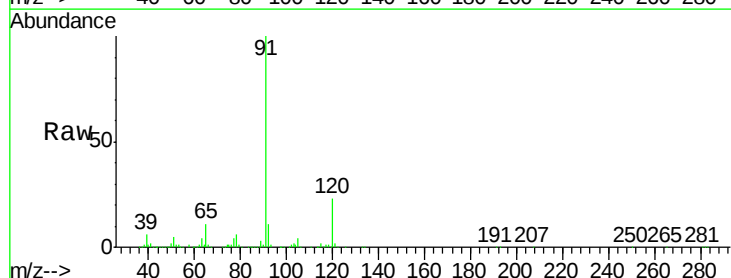
Acq: 27 Jun 2018 12:59

Tgt Ion: 91 Resp: 329367

Ion Ratio Lower Upper

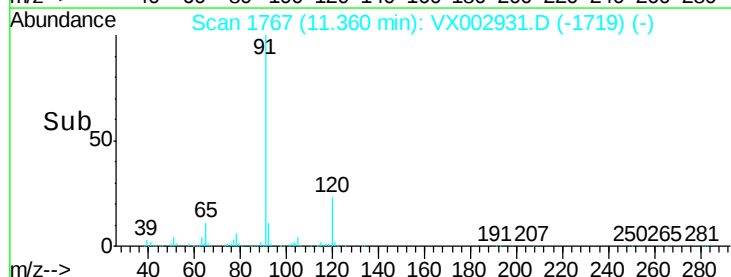
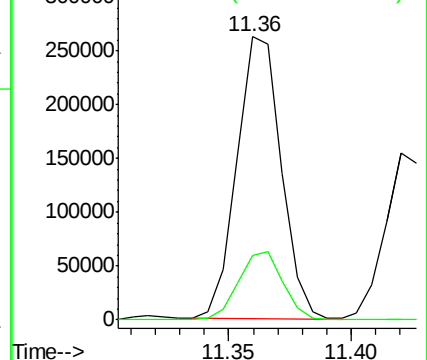
91 100

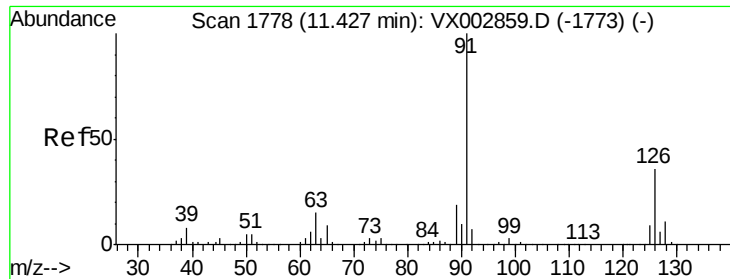
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.95 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 91 Resp: 198775

Ion Ratio Lower Upper

91 100

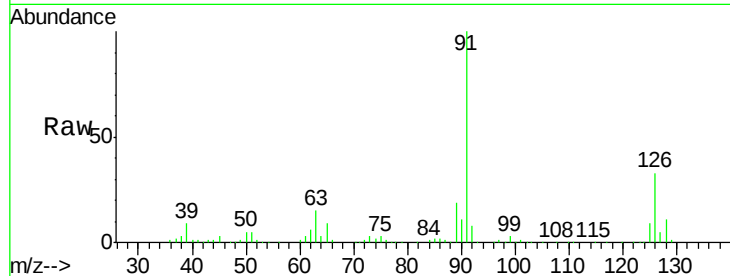
126 35.4 17.7 53.1

Manual Integrations

APPROVED

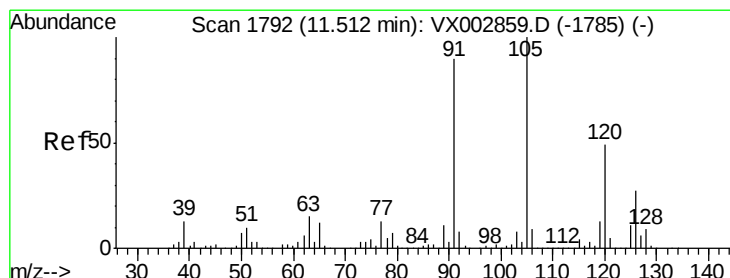
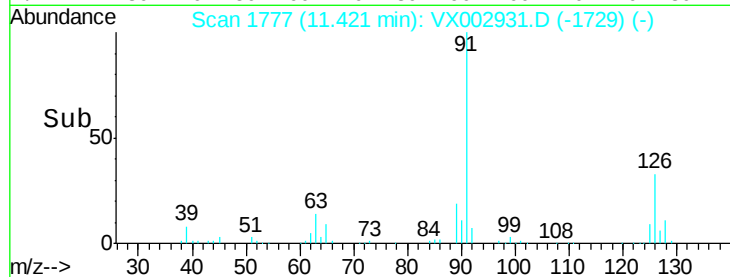
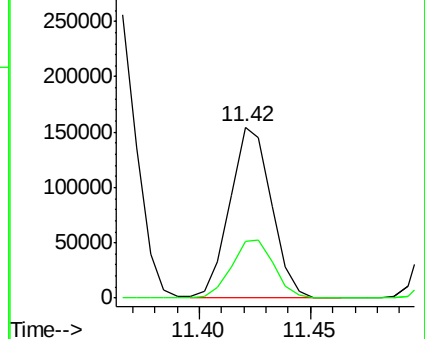
MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.28 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002931.D

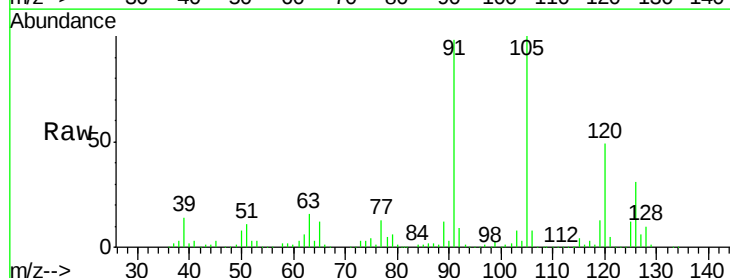
Acq: 27 Jun 2018 12:59

Tgt Ion:105 Resp: 246972

Ion Ratio Lower Upper

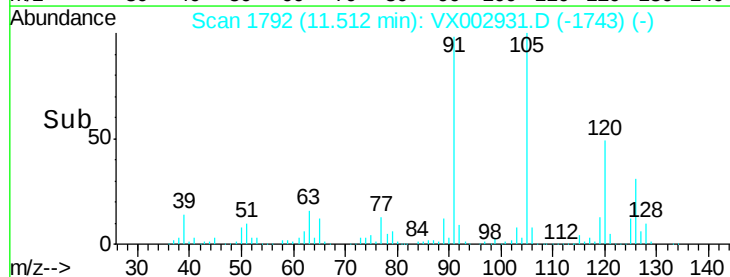
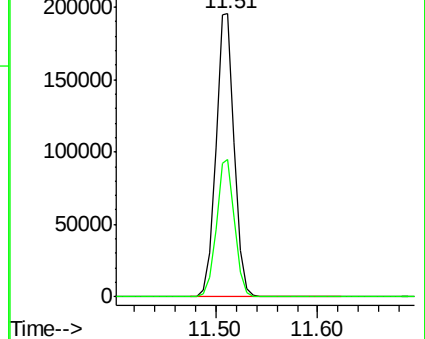
105 100

120 48.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.53 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion: 75 Resp: 21824

Ion Ratio Lower Upper

75 100

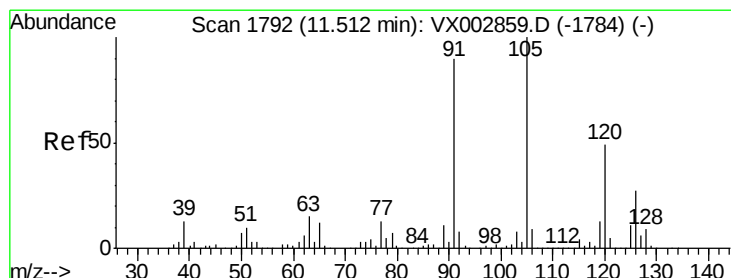
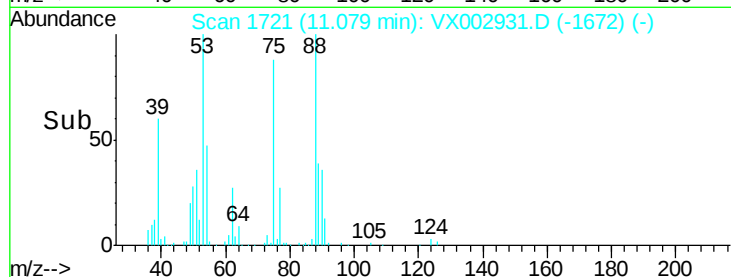
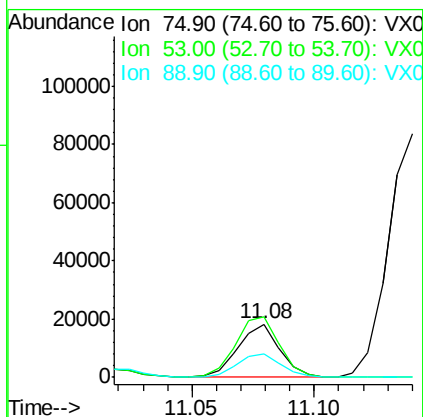
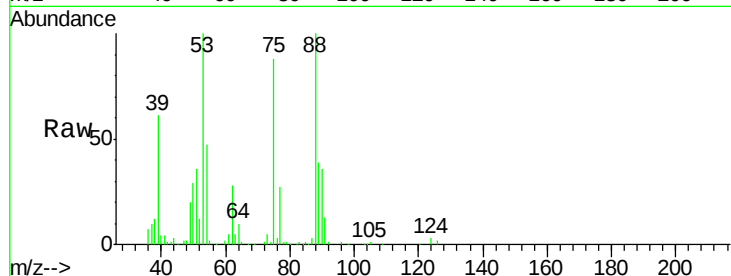
53 117.4 86.8 130.2

89 46.9 38.2 57.2

Manual Integrations
APPROVED

MMDadoda

6/28/2018 4:47:52 PM



#82

4-Chlorotoluene

Concen: 19.72 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002931.D

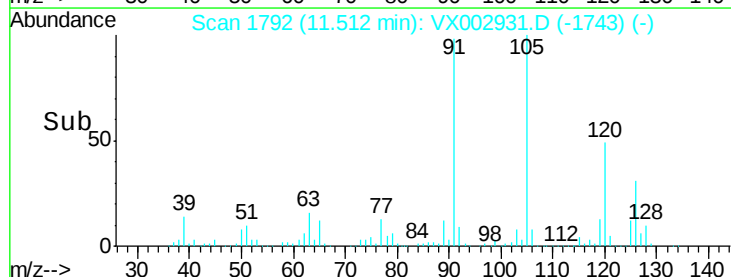
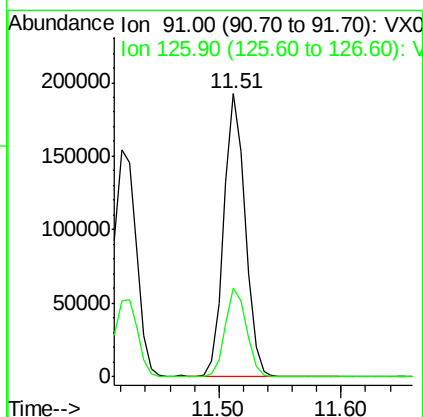
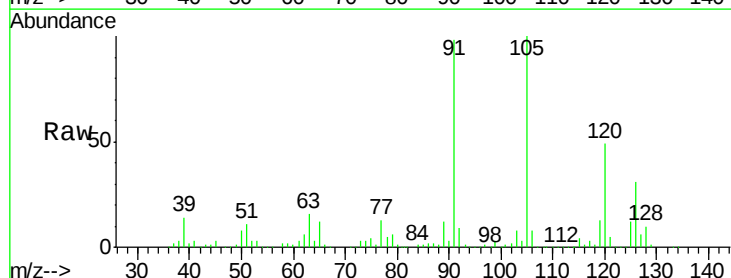
Acq: 27 Jun 2018 12:59

Tgt Ion: 91 Resp: 232597

Ion Ratio Lower Upper

91 100

126 31.1 15.4 46.4





#83

tert-Butylbenzene

Concen: 20.24 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

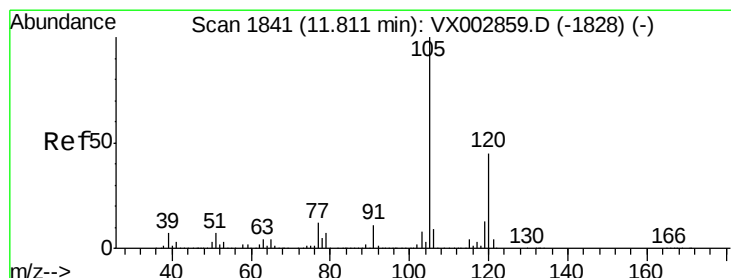
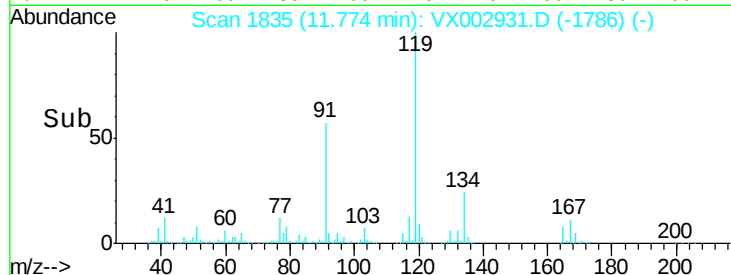
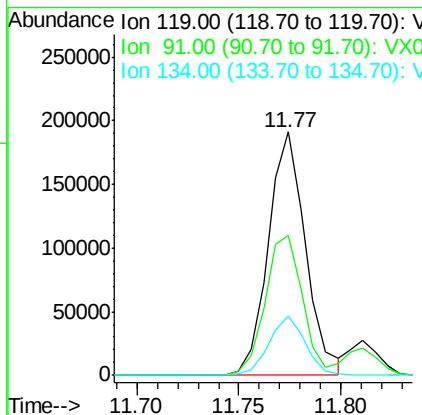
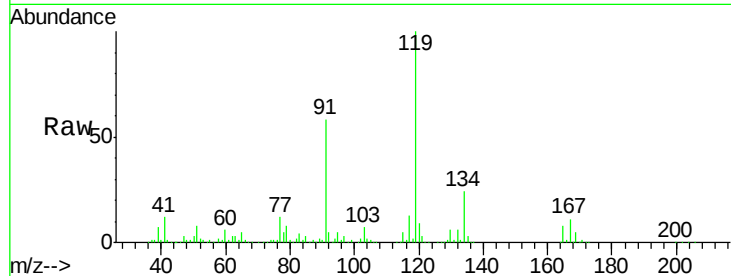
ClientSampleId :

VX0627MBSD01

Tot Ion:	119	Resp:	242900
Ion Ratio	Lower	Upper	
119	100		
91	57.4	30.3	90.9
134	23.8	11.7	35.1

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.06 ug/l

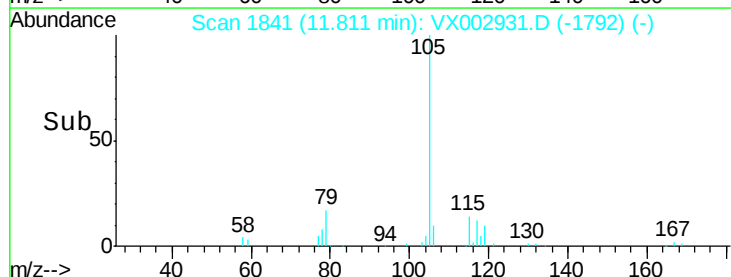
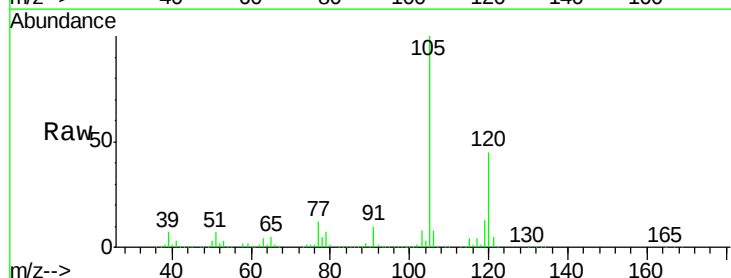
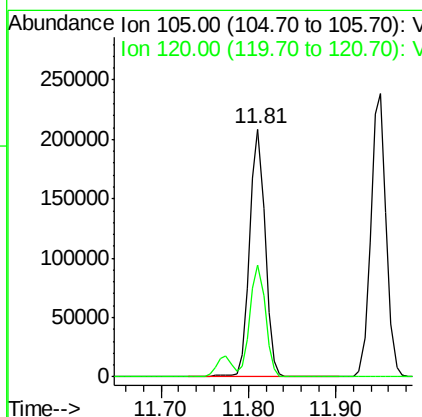
RT: 11.81 min Scan# 1841

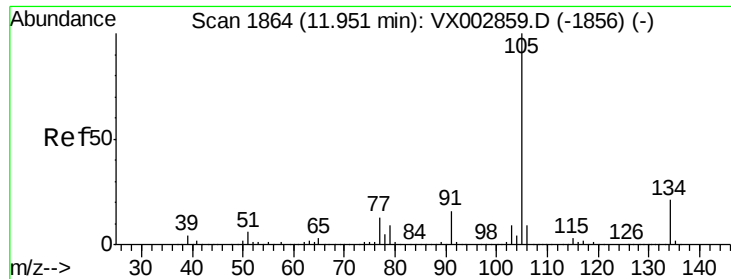
Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	105	Resp:	253079
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.28 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBSD01

Tot Ion:105 Resp: 295233

Ion Ratio Lower Upper

105 100

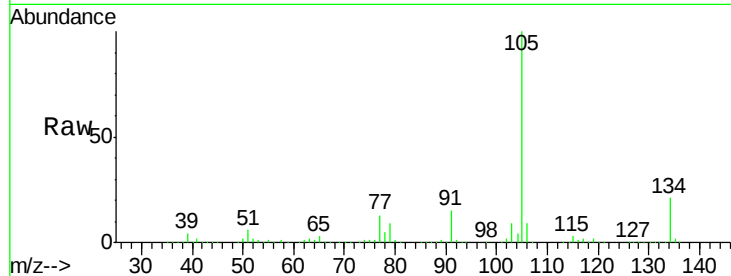
134 20.8 10.4 31.1

Manual Integrations

APPROVED

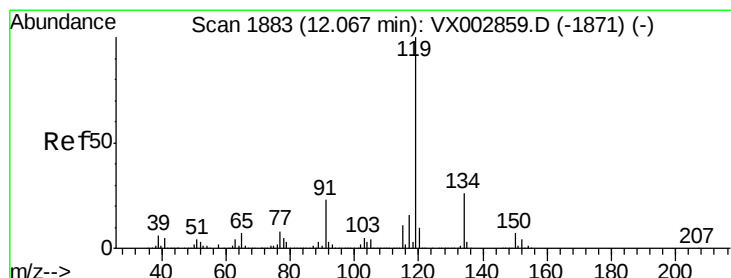
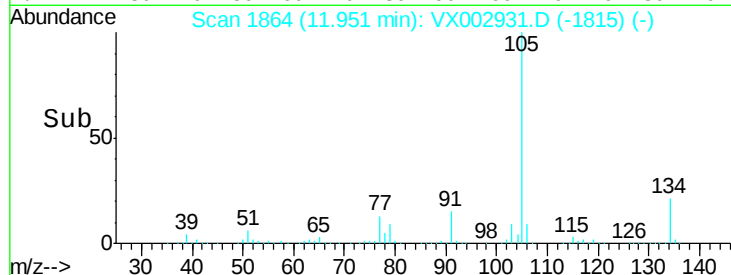
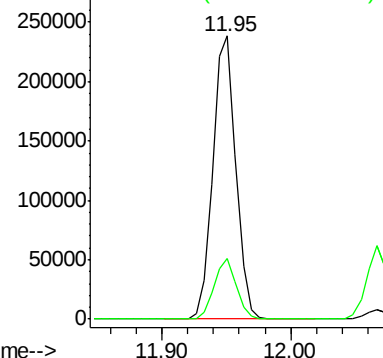
MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.04 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

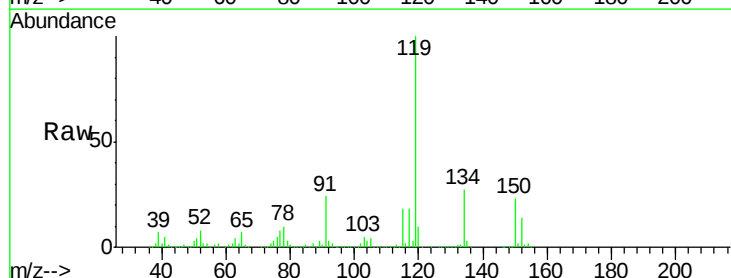
Tgt Ion:119 Resp: 262294

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

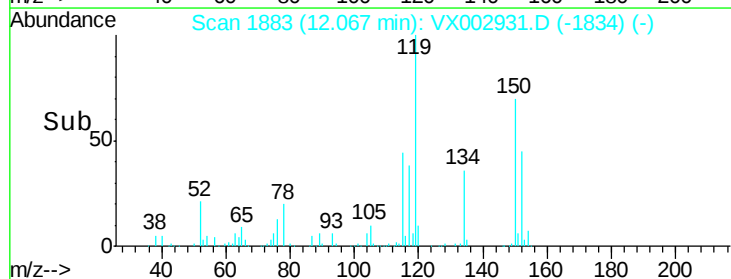
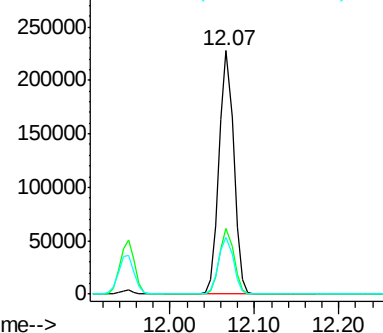
91 23.9 11.9 35.7

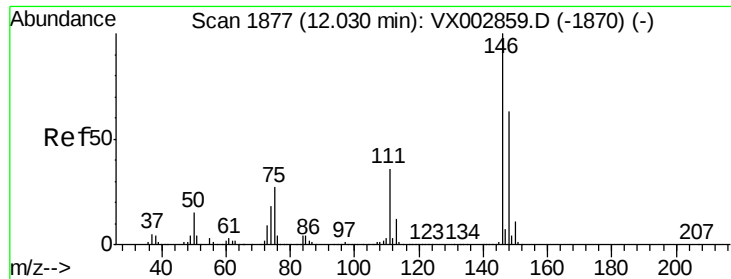


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.65 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

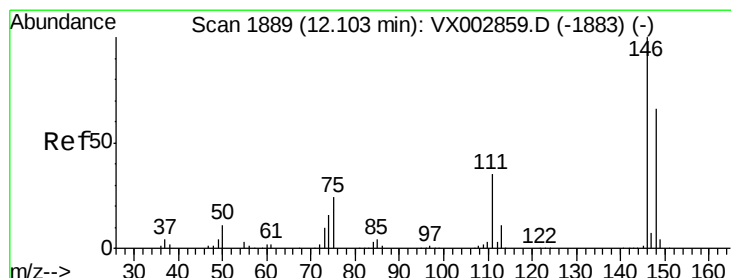
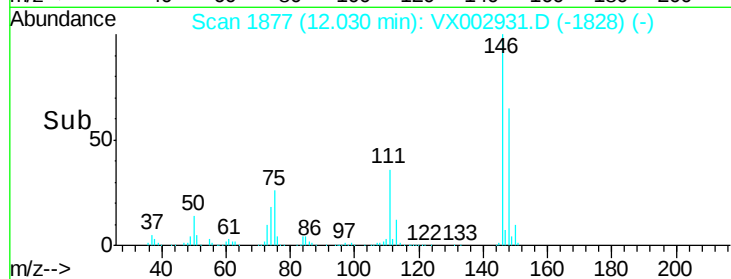
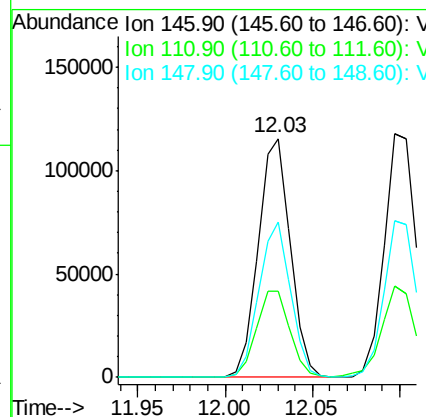
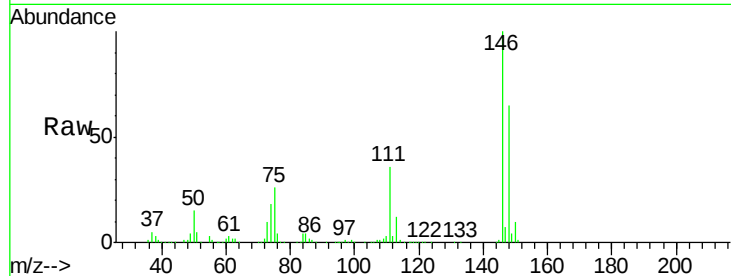
ClientSampleId :

VX0627MBSD01

Tot Ion:	146	Resp:	147784
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.9	56.7
148	63.8	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#88

1,4-Dichlorobenzene

Concen: 19.39 ug/l

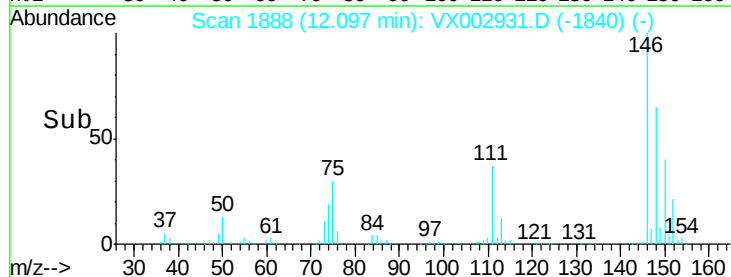
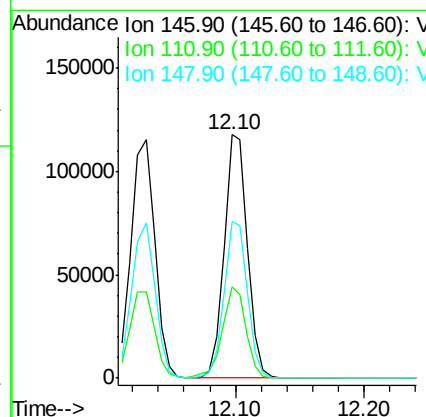
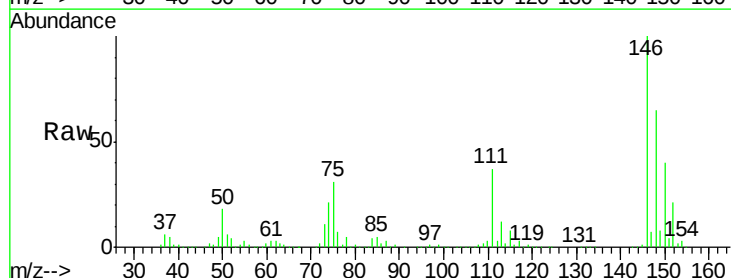
RT: 12.10 min Scan# 1888

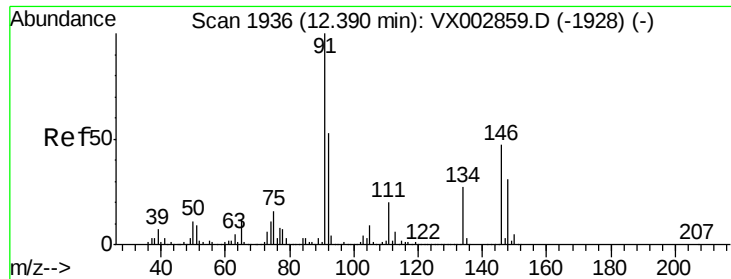
Delta R.T. -0.01 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	146	Resp:	150069
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.7	56.1
148	64.8	32.4	97.0





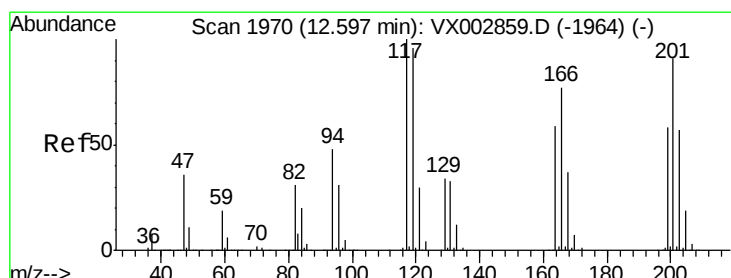
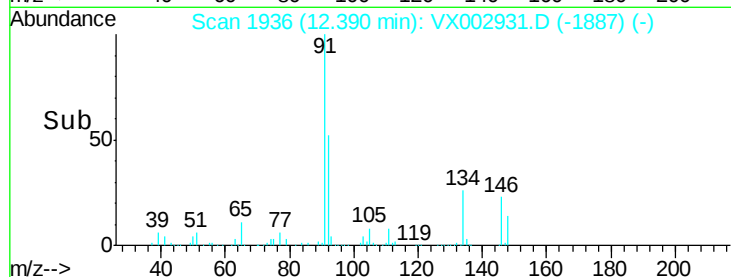
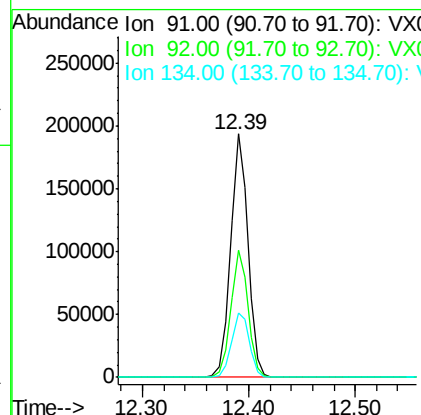
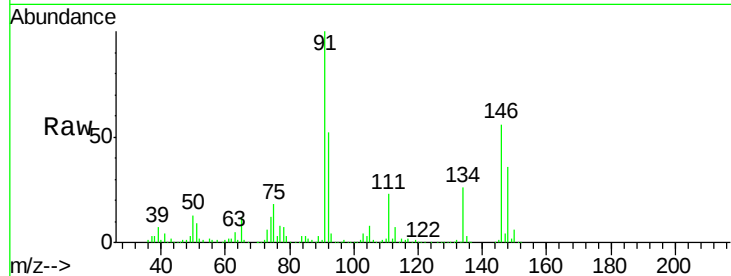
#89
n-Butylbenzene
Concen: 19.40 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		221012		
92	51.7	26.0	78.0		
134	27.4	13.5	40.5		

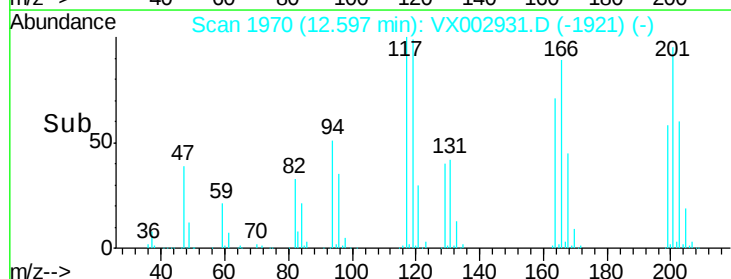
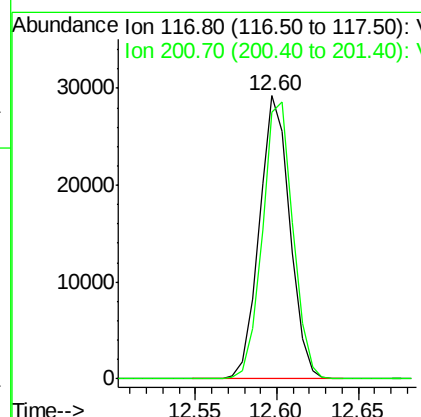
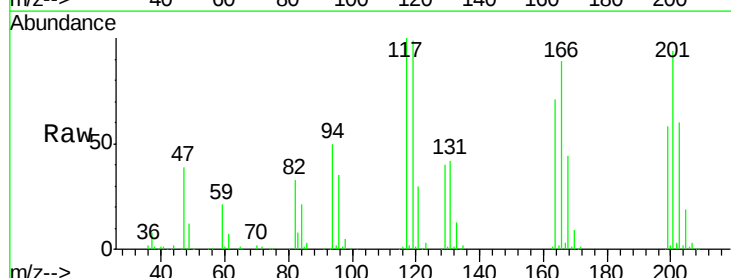
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#90
Hexachloroethane
Concen: 19.43 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		37828		
201	97.7	49.0	147.0		





#91

1,2-Dichlorobenzene

Concen: 19.63 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Instrument :

MSVOA_X

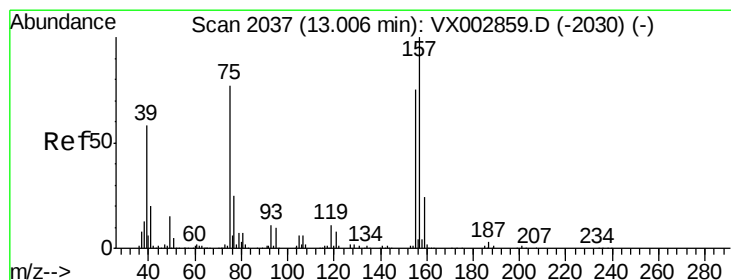
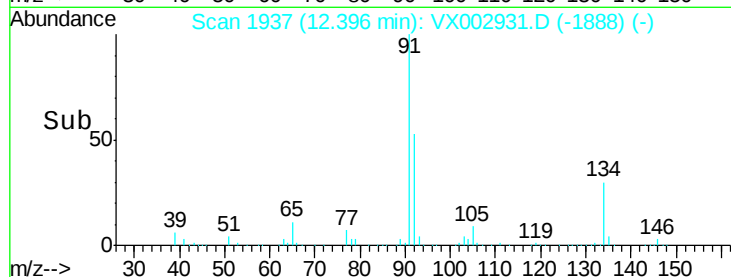
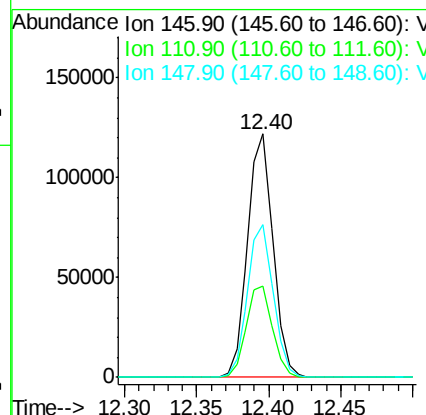
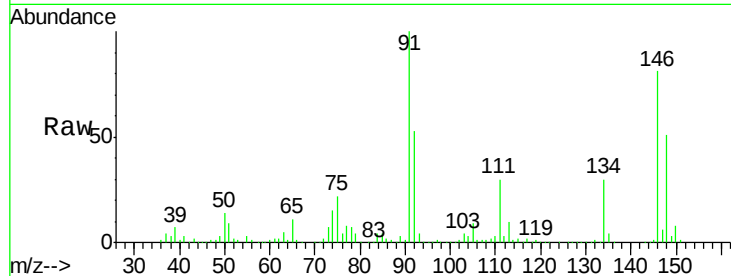
ClientSampleId :

VX0627MBSD01

Tot Ion:	146	Resp:	149002
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.1
148	63.7	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.20 ug/l

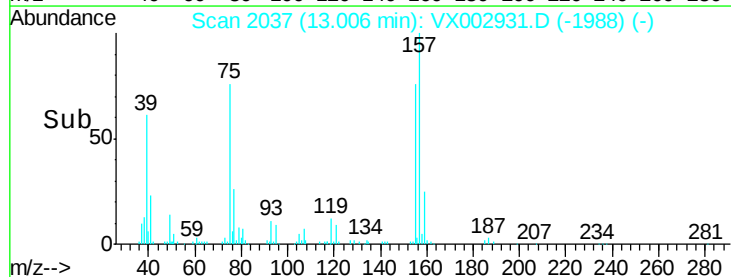
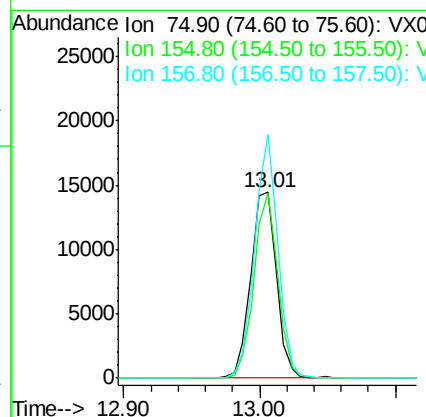
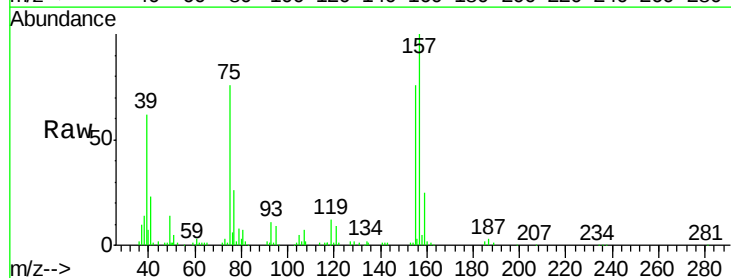
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002931.D

Acq: 27 Jun 2018 12:59

Tgt Ion:	75	Resp:	19224
Ion Ratio	Lower	Upper	
75	100		
155	92.6	45.8	137.4
157	117.9	60.1	180.3





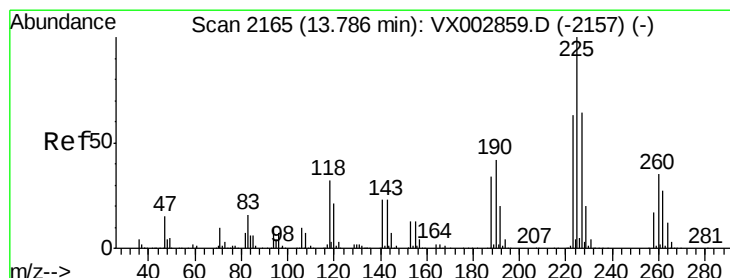
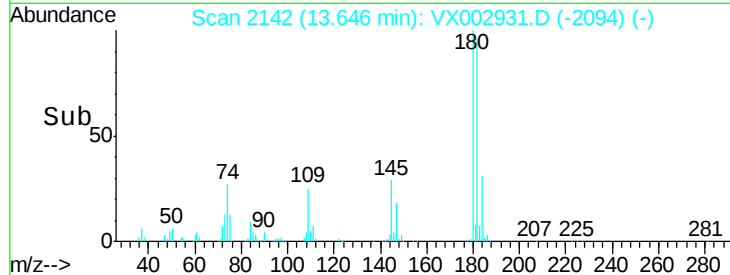
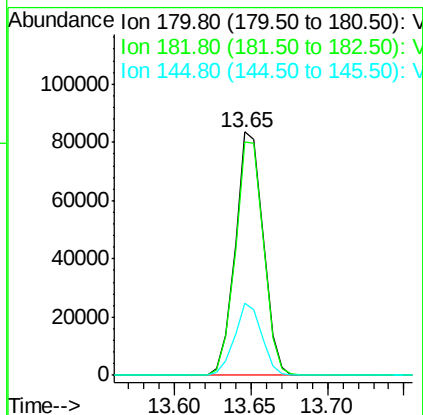
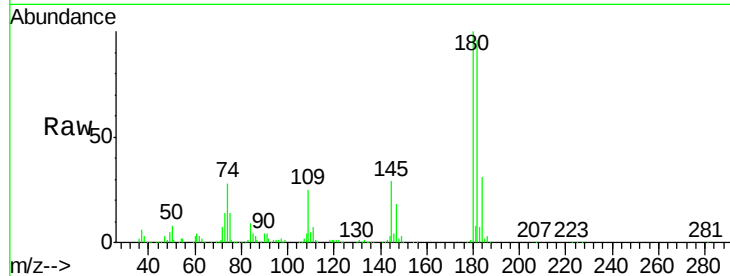
#93
 1,2,4-Trichlorobenzene
 Concen: 19.05 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105264		
182	97.0	47.7	143.1	
145	28.8	14.1	42.4	

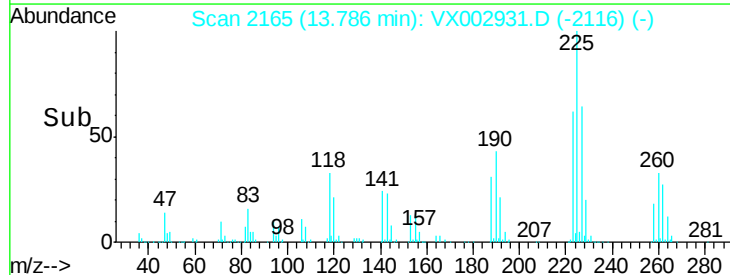
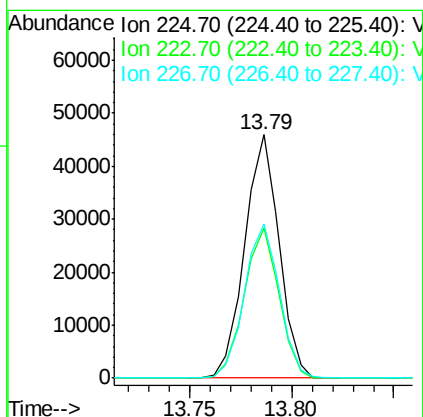
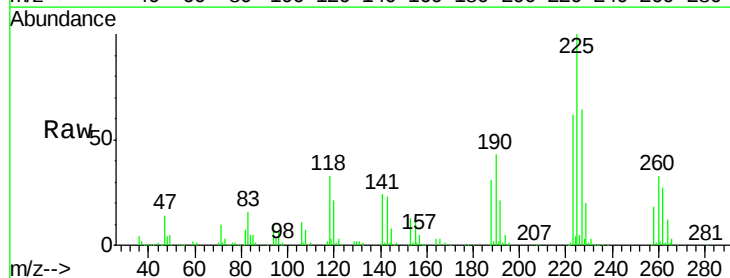
Manual Integrations
 APPROVED

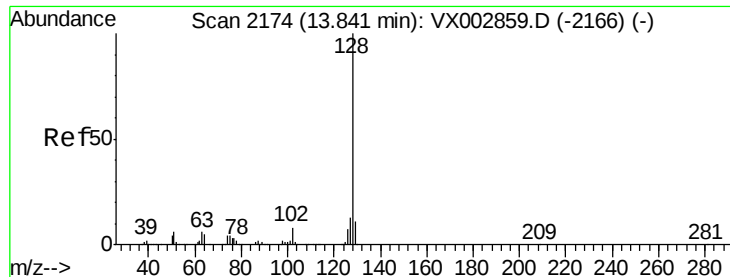
MMDadoda
 6/28/2018 4:47:52 PM



#94
 Hexachlorobutadiene
 Concen: 19.53 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002931.D
 Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53821		
223	62.4	31.6	95.0	
227	64.4	32.4	97.2	





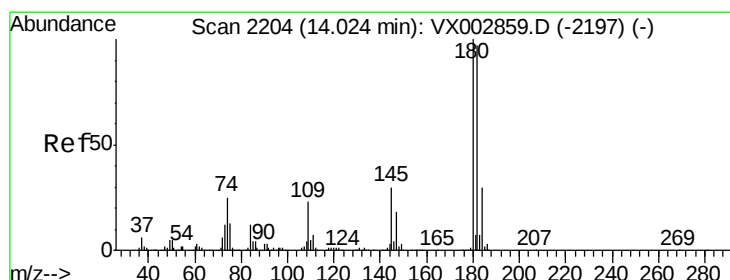
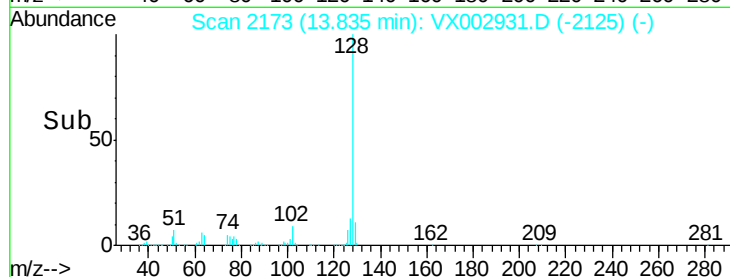
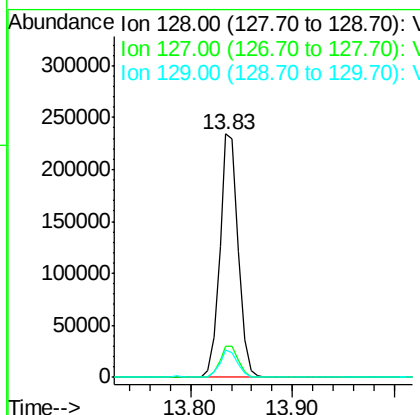
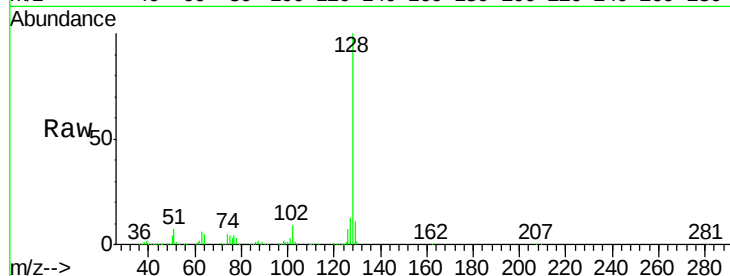
#95
Naphthalene
Concen: 20.03 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	294770		
127	13.0		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.71 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002931.D
Acq: 27 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108756		
182	95.7		48.0	144.0
145	29.9		14.8	44.3

