

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002869.D
 Acq On : 25 Jun 2018 19:55
 Operator : JC/MD
 Sample : VX0625WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 2:26:30 PM

Quant Time: Jun 27 05:44:36 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	267043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373201	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183894	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.51	113	145777	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.72	98	533212	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	197087	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46542	19.34	ug/l	98
3) Chloromethane	1.32	50	49657	19.33	ug/l	98
4) Vinyl Chloride	1.40	62	56674	18.77	ug/l	100
5) Bromomethane	1.64	94	33924	22.57	ug/l	99
6) Chloroethane	1.72	64	37184	19.70	ug/l	100
7) Trichlorofluoromethane	1.93	101	100766	19.78	ug/l	100
8) Diethyl Ether	2.19	74	37033	20.00	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55945	18.95	ug/l	98
10) Methyl Iodide	2.51	142	51669	21.34	ug/l	99
11) Tert butyl alcohol	3.08	59	80775	109.85	ug/l	97
12) 1,1-Dichloroethene	2.37	96	50530	19.19	ug/l	97
13) Acrolein	2.29	56	39935	100.54	ug/l	99
14) Allyl chloride	2.73	41	101546	19.56	ug/l	99
15) Acrylonitrile	3.15	53	163576	104.15	ug/l	100
16) Acetone	2.45	43	156289	102.24	ug/l	98
17) Carbon Disulfide	2.57	76	126607	18.04	ug/l	98
18) Methyl Acetate	2.78	43	93659	21.92	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	193267	20.41	ug/l	98
20) Methylene Chloride	2.86	84	57442	19.31	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	55460	19.33	ug/l	99
22) Diisopropyl ether	3.88	45	198076	19.96	ug/l	98
23) Vinyl Acetate	3.83	43	832188	99.03	ug/l	98
24) 1,1-Dichloroethane	3.70	63	107740	19.98	ug/l	100
25) 2-Butanone	4.71	43	238095	104.95	ug/l	97
26) 2,2-Dichloropropane	4.59	77	80624	18.38	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	64454	20.04	ug/l	98
28) Bromochloromethane	5.02	49	53630	20.77	ug/l	97
29) Tetrahydrofuran	5.17	42	151906	104.42	ug/l	97
30) Chloroform	5.22	83	111013	20.06	ug/l	98
31) Cyclohexane	5.57	56	89323	19.30	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	96316	19.78	ug/l	100
36) 1,1-Dichloropropene	5.80	75	77565	18.95	ug/l	99
37) Ethyl Acetate	4.87	43	90324	20.50	ug/l	98
38) Carbon Tetrachloride	5.79	117	85370	19.01	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002869.D
 Acq On : 25 Jun 2018 19:55
 Operator : JC/MD
 Sample : VX0625WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0625WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 2:26:30 PM

Quant Time: Jun 27 05:44:36 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	91071	19.10	ug/l	98
40) Benzene	6.15	78	234094	19.69	ug/l	99
41) Methacrylonitrile	5.07	41	52089	20.53	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95537	19.89	ug/l	99
43) Isopropyl Acetate	6.47	43	145642	19.71	ug/l	99
44) Trichloroethene	7.21	130	67909	19.15	ug/l	99
45) 1,2-Dichloropropane	7.52	63	61378	19.46	ug/l	99
46) Dibromomethane	7.66	93	42495	19.41	ug/l	98
47) Bromodichloromethane	7.90	83	79046	19.53	ug/l	100
48) Methyl methacrylate	7.78	41	76073	19.98	ug/l	97
49) 1,4-Dioxane	7.76	88	30417	410.56	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	481137	104.06	ug/l	99
52) Toluene	8.79	92	150192	19.72	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	88764	19.37	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	83693	18.98	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	63289	20.22	ug/l	97
56) Ethyl methacrylate	9.18	69	89649	19.60	ug/l	98
57) 1,3-Dichloropropane	9.38	76	101770	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	224943	101.92	ug/l	99
59) 2-Hexanone	9.50	43	371006	105.58	ug/l	99
60) Dibromochloromethane	9.59	129	63645	19.31	ug/l	99
61) 1,2-Dibromoethane	9.68	107	64949	19.78	ug/l	99
64) Tetrachloroethene	9.34	164	75327	19.21	ug/l	96
65) Chlorobenzene	10.14	112	175364	19.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	63490	19.51	ug/l	100
67) Ethyl Benzene	10.26	91	293734	19.85	ug/l	99
68) m/p-Xylenes	10.36	106	226653	39.74	ug/l	99
69) o-Xylene	10.70	106	109647	19.75	ug/l	100
70) Styrene	10.71	104	179309	19.87	ug/l	99
71) Bromoform	10.86	173	48214	19.02	ug/l	99
73) Isopropylbenzene	11.02	105	300756	20.39	ug/l	100
74) N-amyl acetate	6.47	43	145642	20.18	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91952	20.23	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	82036m	20.65	ug/l	
77) Bromobenzene	11.26	156	82000	19.52	ug/l	99
78) n-propylbenzene	11.37	91	339029	20.19	ug/l	100
79) 2-Chlorotoluene	11.43	91	204971	20.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	252524	20.32	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	21970	18.33	ug/l	90
82) 4-Chlorotoluene	11.51	91	239709	19.92	ug/l	100
83) tert-Butylbenzene	11.77	119	250297	20.44	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	261115	20.28	ug/l	99
85) sec-Butylbenzene	11.95	105	299967	20.19	ug/l	99
86) p-Isopropyltoluene	12.07	119	268146	20.08	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151831	19.79	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	153743	19.47	ug/l	100
89) n-Butylbenzene	12.39	91	226774	19.51	ug/l	99
90) Hexachloroethane	12.60	117	38702	19.48	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	155022	20.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19865	19.45	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062518\
Data File : VX002869.D
Acq On : 25 Jun 2018 19:55
Operator : JC/MD
Sample : VX0625WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

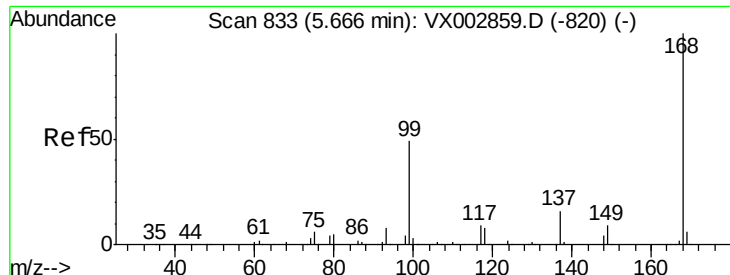
Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM

Quant Time: Jun 27 05:44:36 2018
Quant Method : Z:\V0ASRV\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	109935	19.51	ug/l	99
94) Hexachlorobutadiene	13.79	225	55443	19.72	ug/l	99
95) Naphthalene	13.84	128	311163	20.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112622	20.01	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: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion:168 Resp: 267043

Ion Ratio Lower Upper

168 100

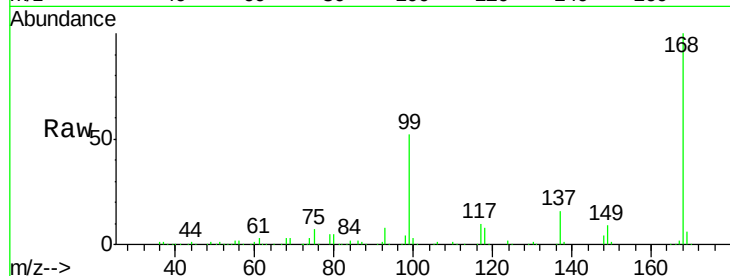
99 51.6 39.3 58.9

Manual Integrations

APPROVED

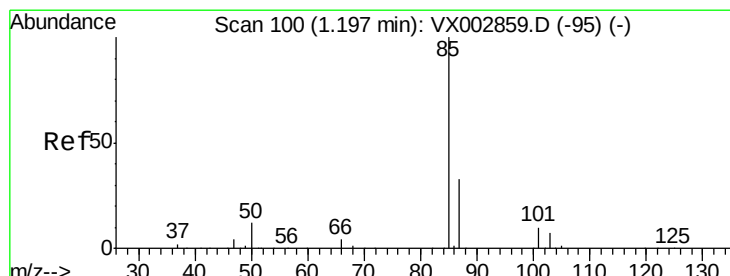
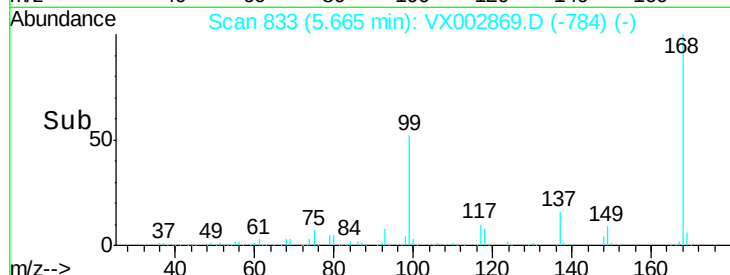
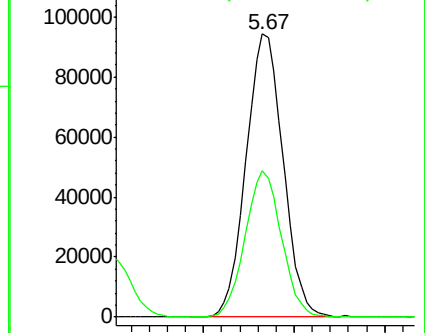
MMDadoda

6/28/2018 2:26:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.34 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002869.D

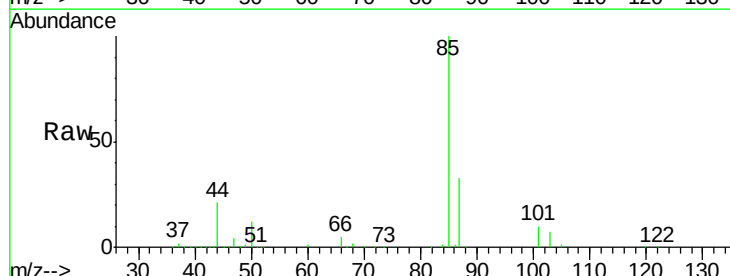
Acq: 25 Jun 2018 19:55

Tgt Ion: 85 Resp: 46542

Ion Ratio Lower Upper

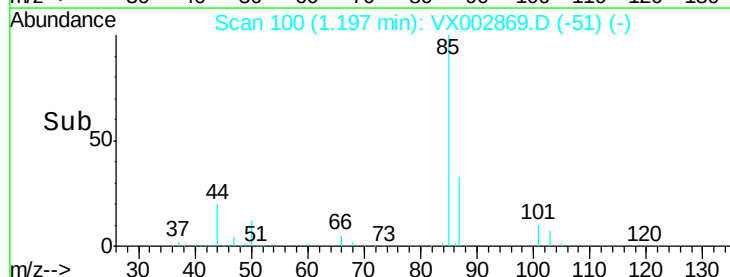
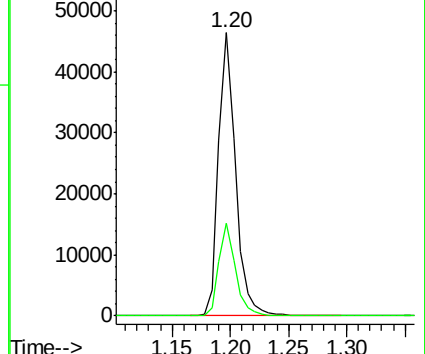
85 100

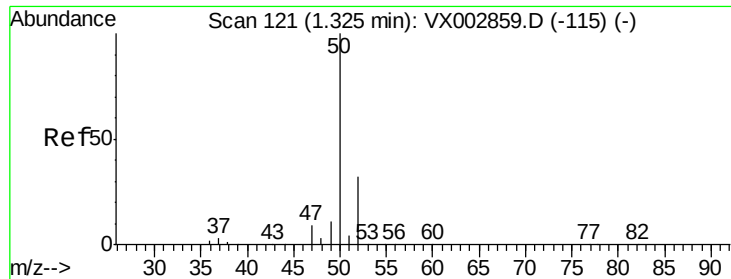
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.33 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 50 Resp: 49657

Ion Ratio Lower Upper

50 100

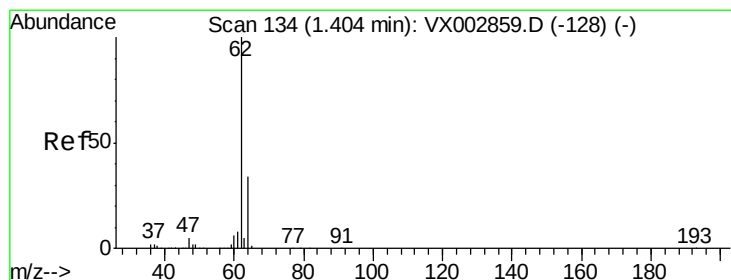
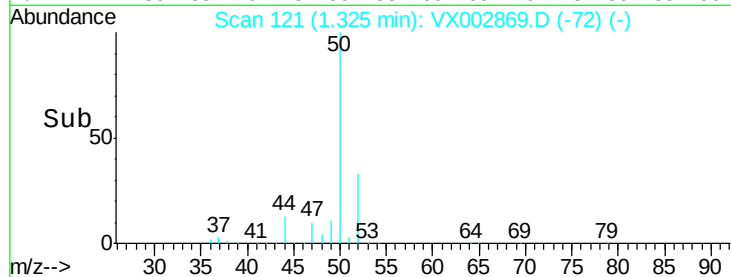
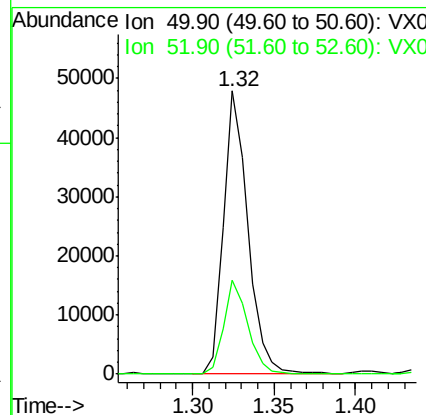
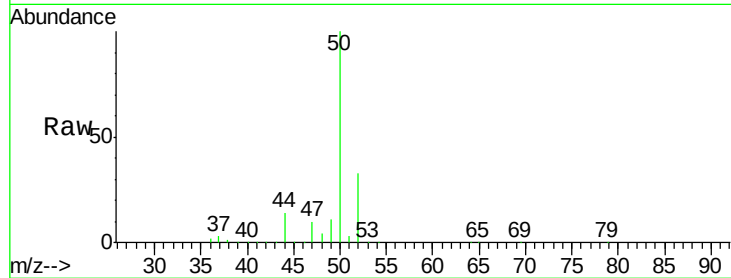
52 33.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/28/2018 2:26:30 PM



#4

Vinyl Chloride

Concen: 18.77 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002869.D

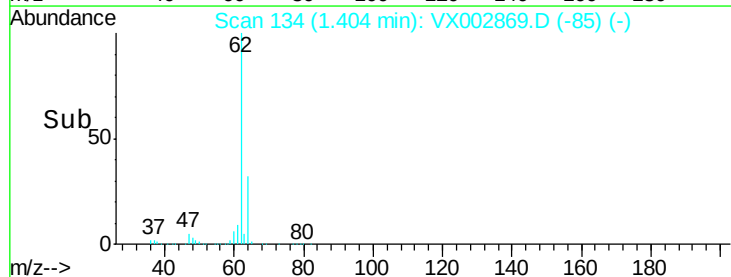
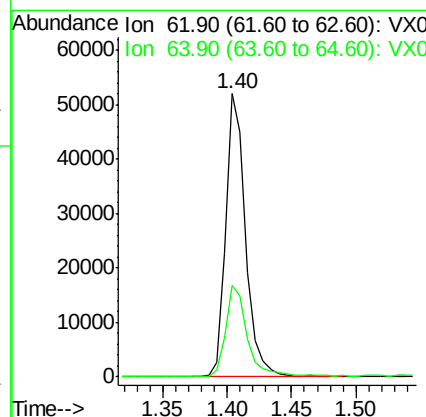
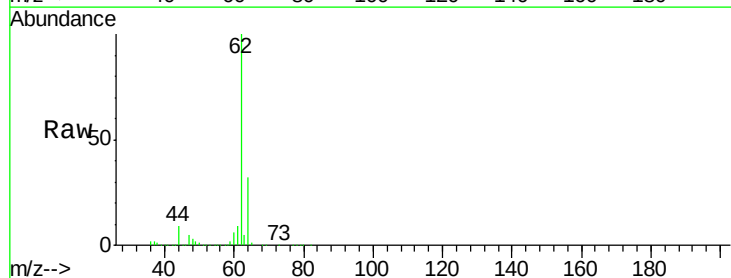
Acq: 25 Jun 2018 19:55

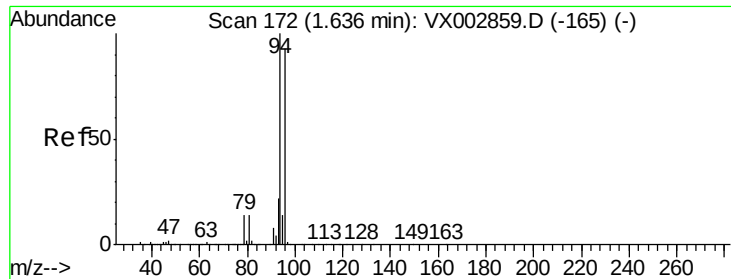
Tgt Ion: 62 Resp: 56674

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 22.57 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 94 Resp: 33924

Ion Ratio Lower Upper

94 100

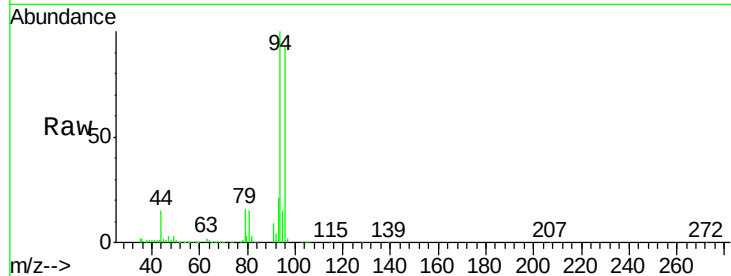
96 92.4 74.9 112.3

Manual Integrations

APPROVED

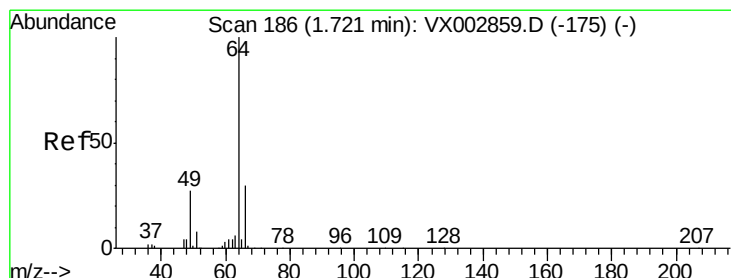
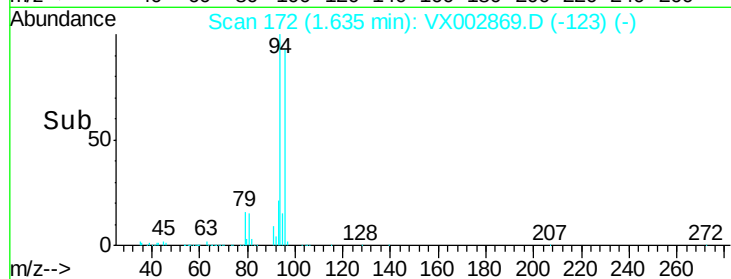
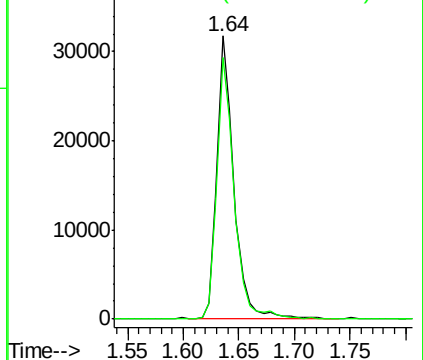
MMDadoda

6/28/2018 2:26:30 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.70 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002869.D

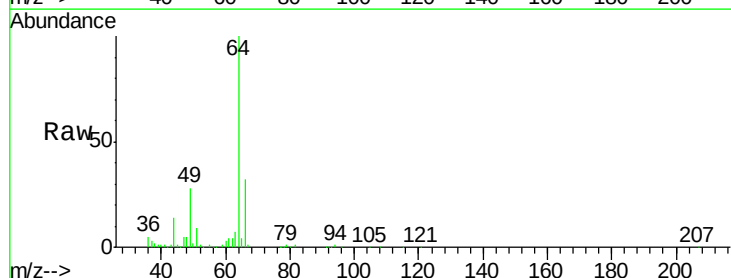
Acq: 25 Jun 2018 19:55

Tgt Ion: 64 Resp: 37184

Ion Ratio Lower Upper

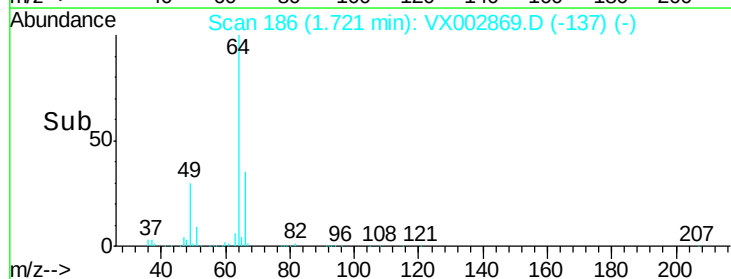
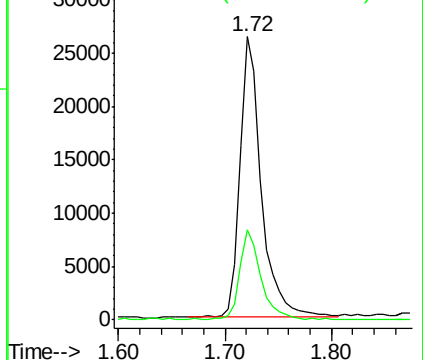
64 100

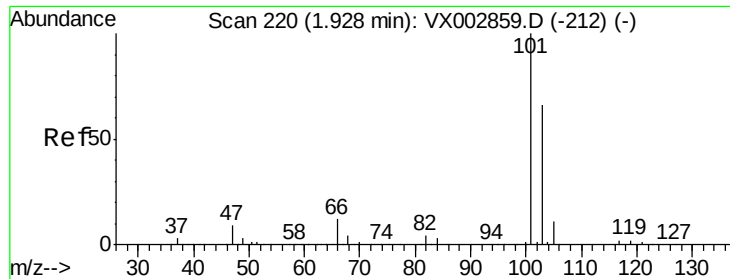
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

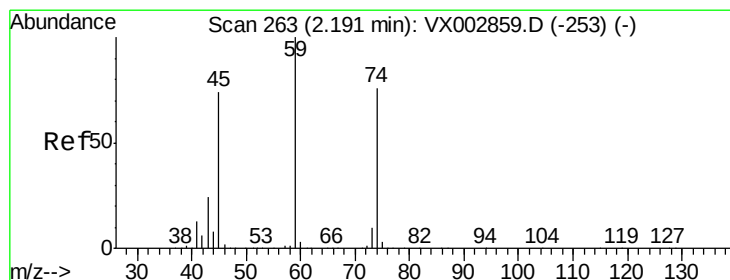
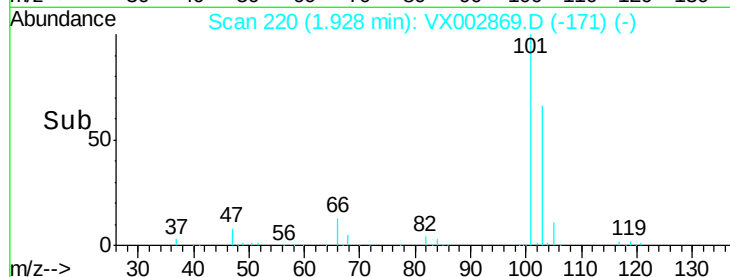
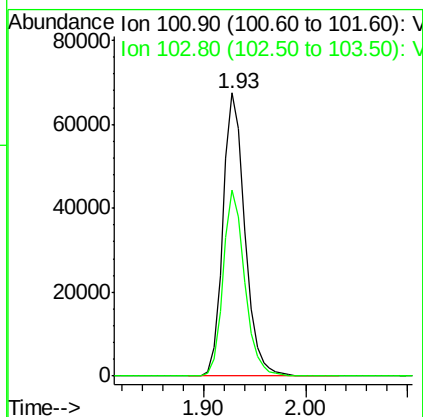
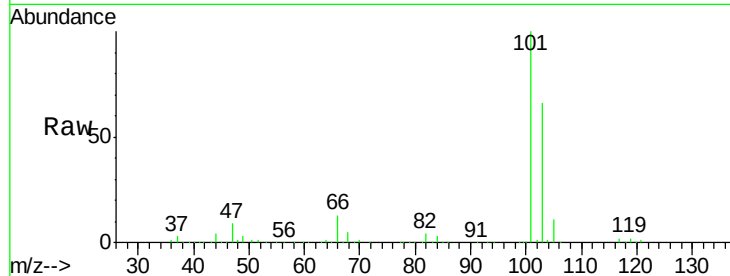
Trichlorofluoromethane
Concen: 19.78 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.8	79.2

Manual Integrations
APPROVED

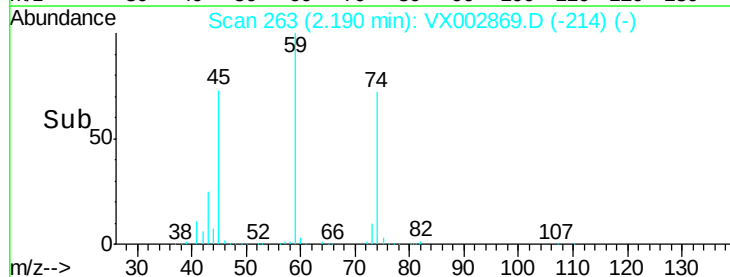
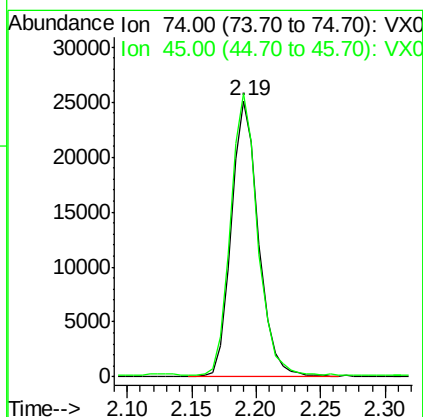
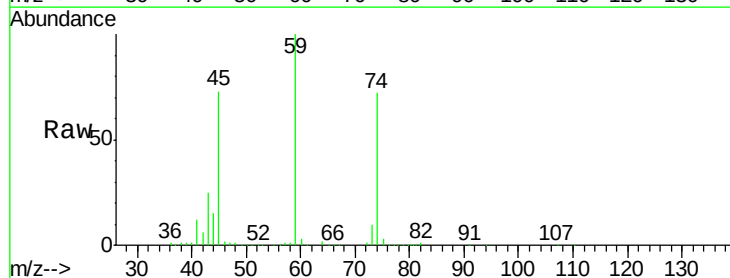
MMDadoda
6/28/2018 2:26:30 PM

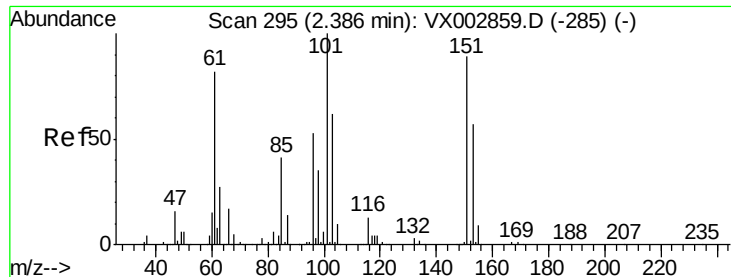


#8

Diethyl Ether
Concen: 20.00 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.95 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

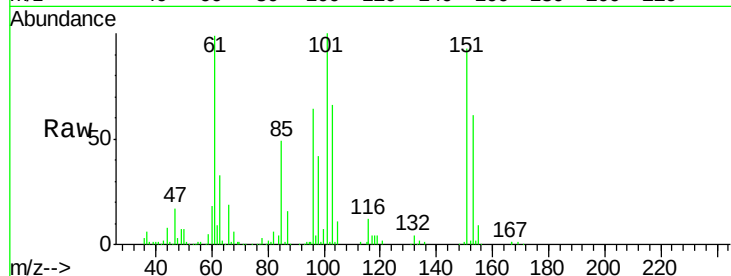
ClientSampleId :

VX0625WBSD01

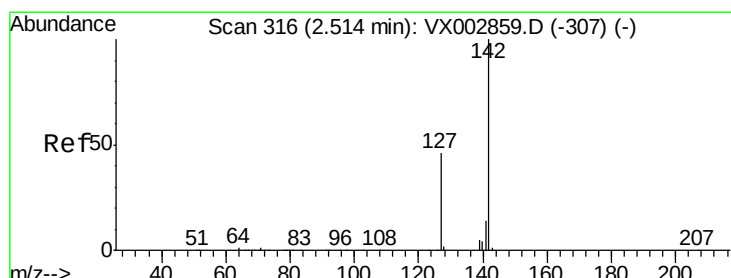
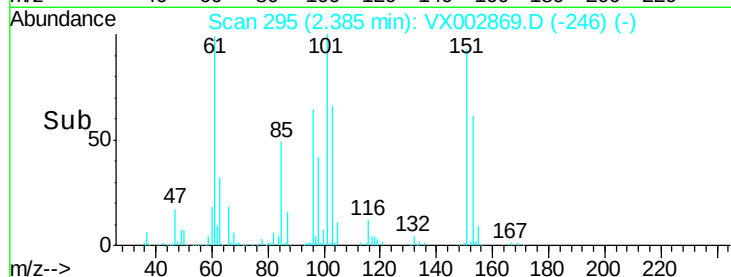
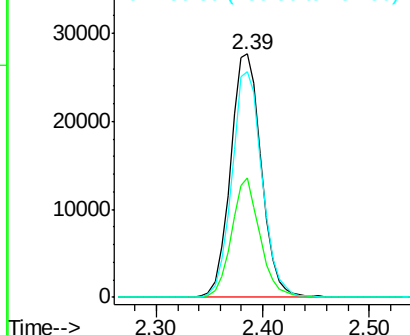
Tot Ion:	101	Resp:	55945
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	91.5	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.34 ug/l

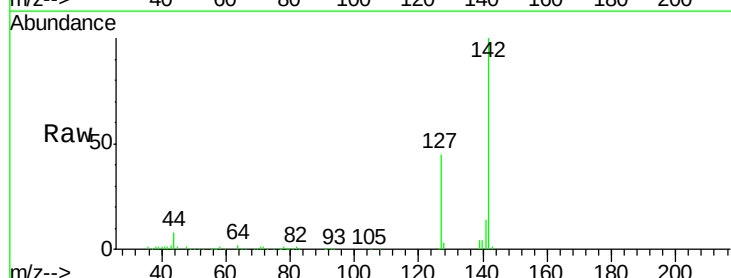
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

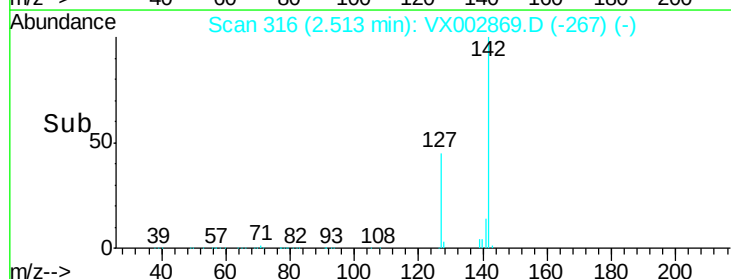
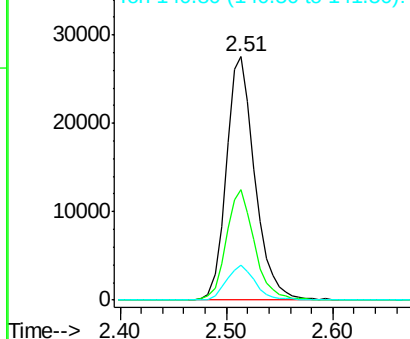
Lab File: VX002869.D

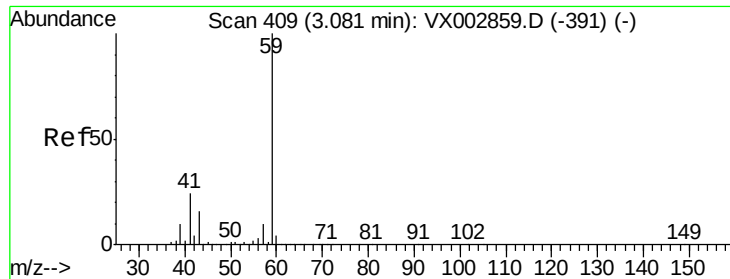
Acq: 25 Jun 2018 19:55

Tgt Ion:	142	Resp:	51669
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.6	55.0
141	14.5	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

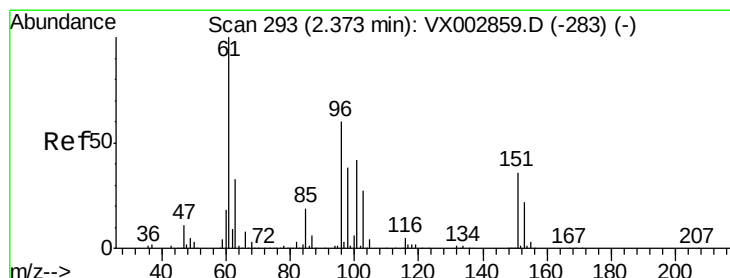
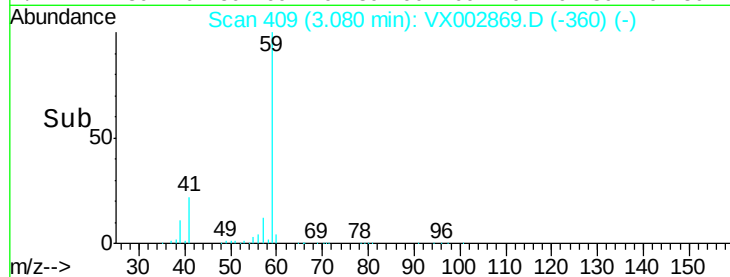
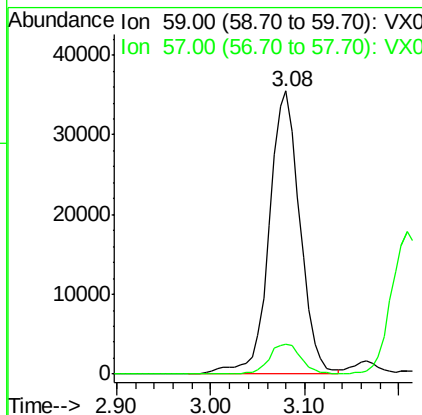
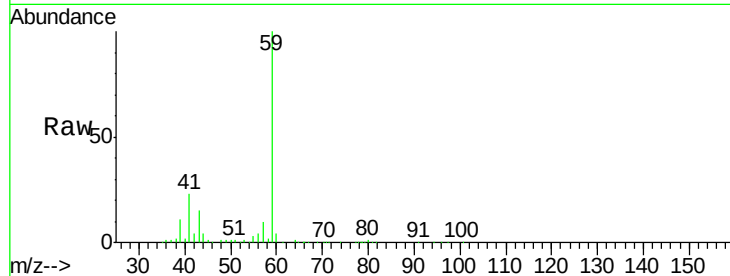
Tert butyl alcohol
Concen: 109.85 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.2	12.2

Manual Integrations
APPROVED

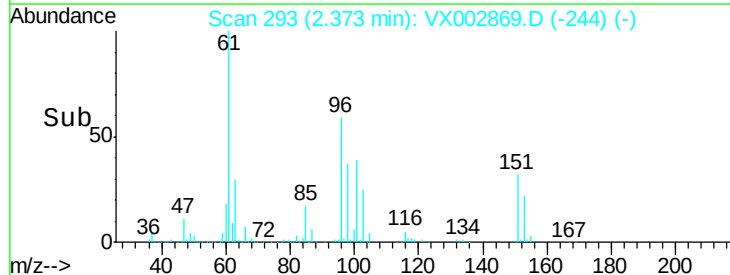
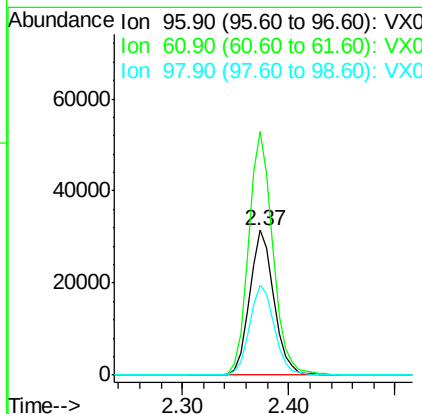
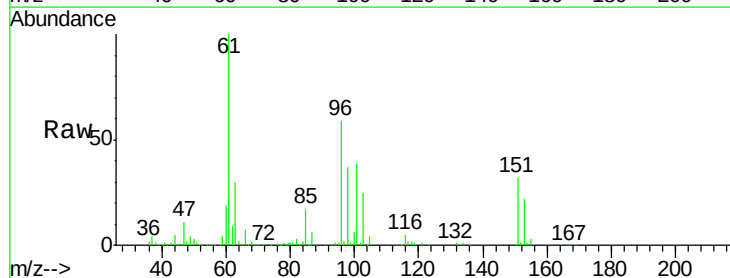
MMDadoda
6/28/2018 2:26:30 PM

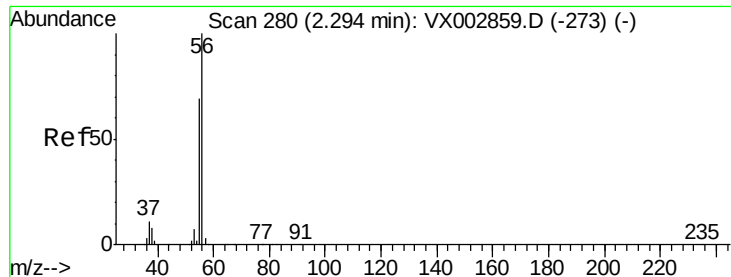


#12

1,1-Dichloroethene
Concen: 19.19 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	137.9	206.9
98	62.2	51.6	77.4





#13

Acrolein

Concen: 100.54 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 56 Resp: 39935

Ion Ratio Lower Upper

56 100

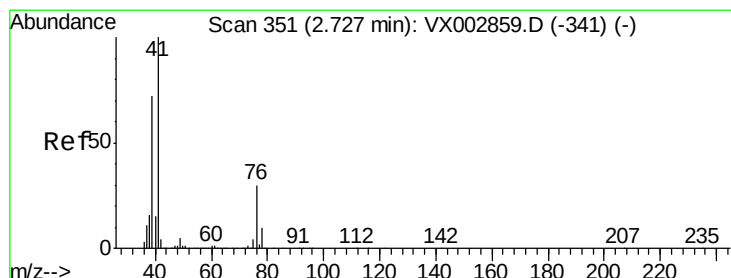
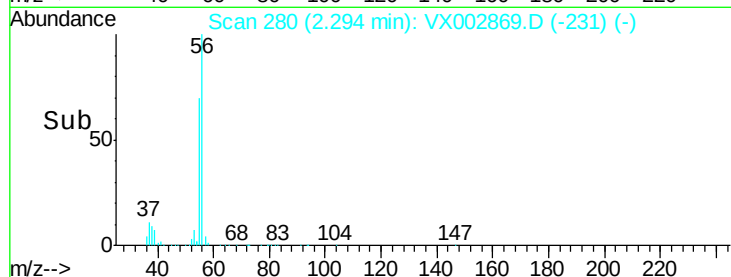
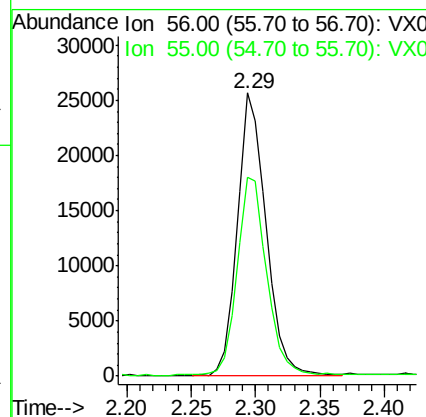
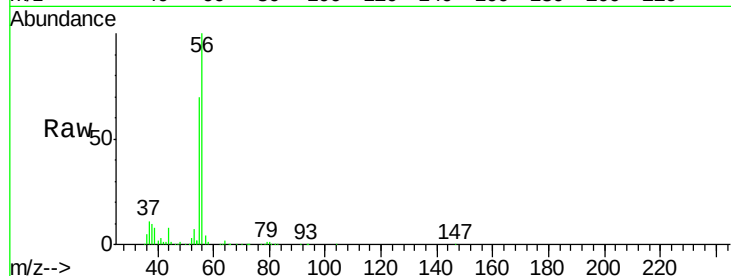
55 72.4 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/28/2018 2:26:30 PM



#14

Allyl chloride

Concen: 19.56 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

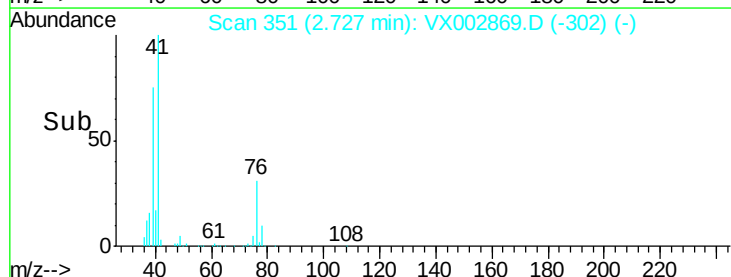
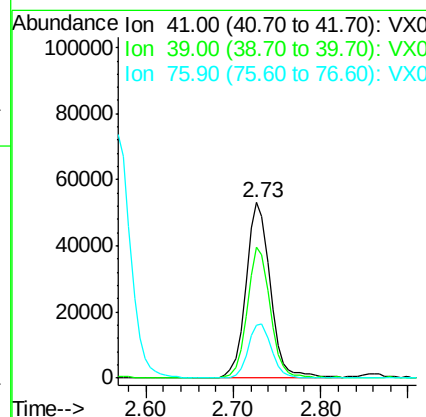
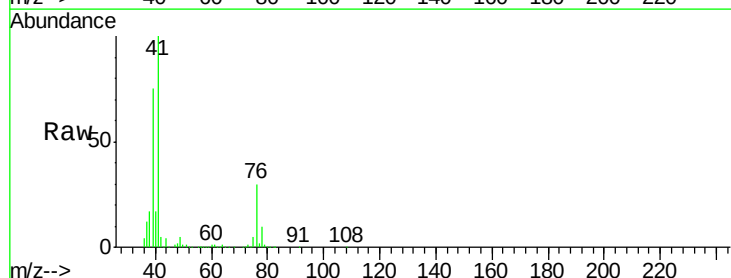
Tgt Ion: 41 Resp: 101546

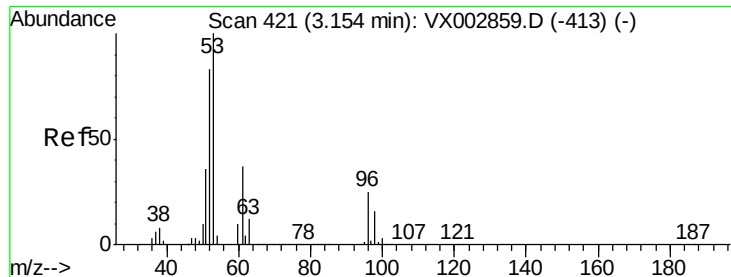
Ion Ratio Lower Upper

41 100

39 69.8 56.8 85.2

76 30.0 23.8 35.8





#15

Acrylonitrile

Concen: 104.15 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

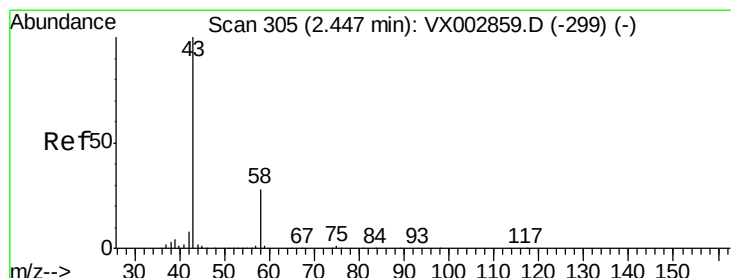
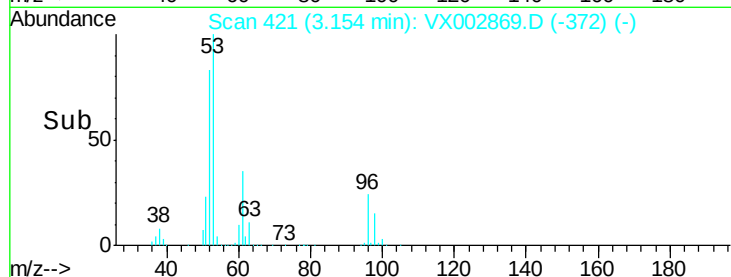
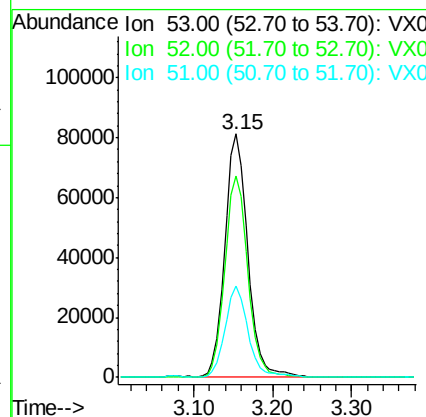
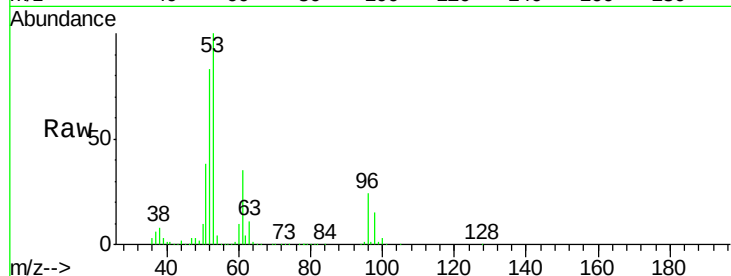
ClientSampleId :

VX0625WBSD01

Tot Ion:	53	Resp:	163576
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.7	100.1
51	37.3	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#16

Acetone

Concen: 102.24 ug/l

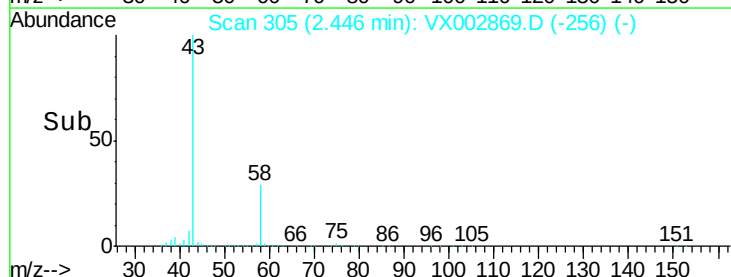
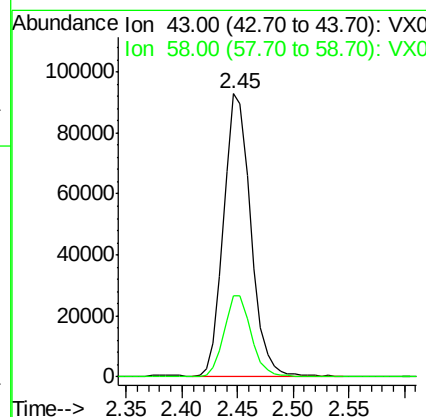
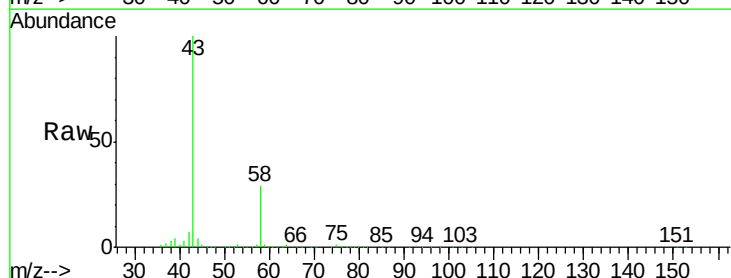
RT: 2.45 min Scan# 305

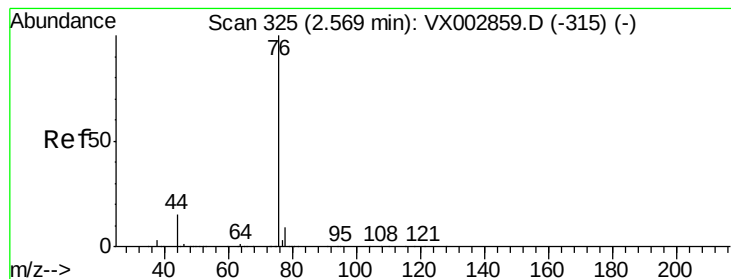
Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	43	Resp:	156289
Ion Ratio	Lower	Upper	
43	100		
58	28.8	22.1	33.1





#17

Carbon Disulfide

Concen: 18.04 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 76 Resp: 126607

Ion Ratio Lower Upper

76 100

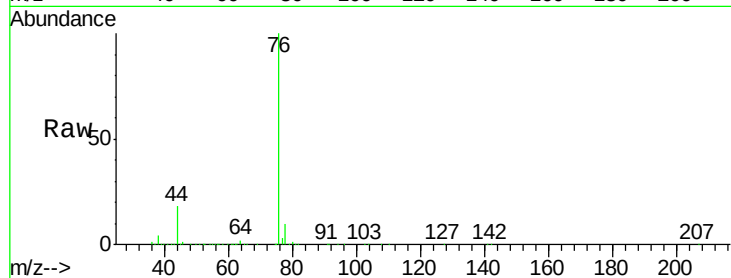
78 9.4 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

6/28/2018 2:26:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

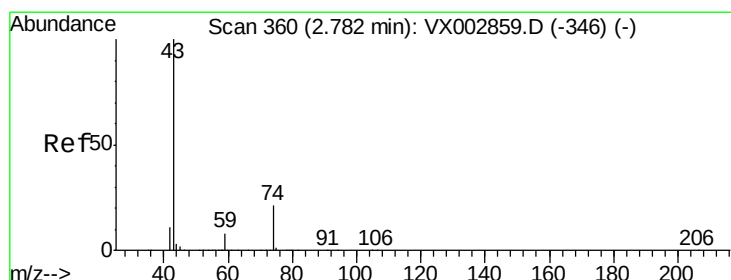
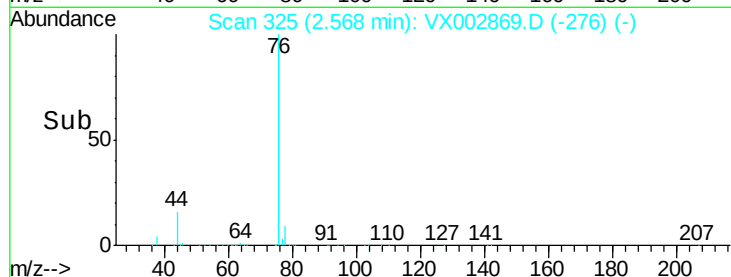
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.92 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002869.D

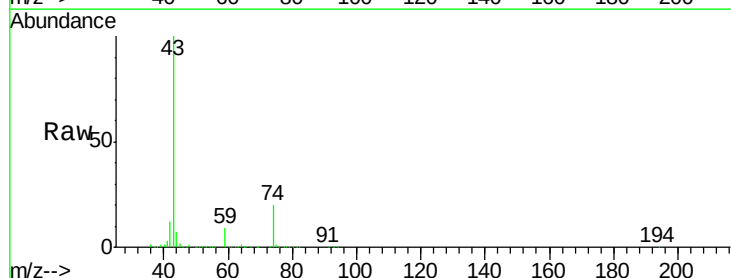
Acq: 25 Jun 2018 19:55

Tgt Ion: 43 Resp: 93659

Ion Ratio Lower Upper

43 100

74 21.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

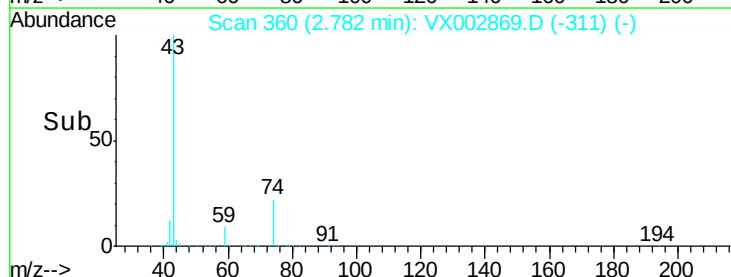
30000

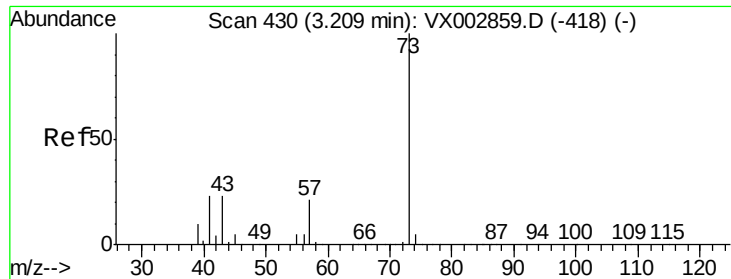
20000

10000

0

Time-->





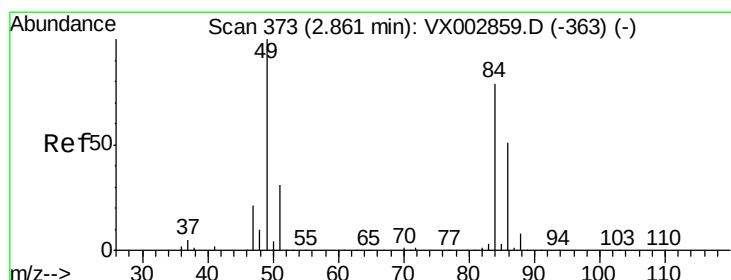
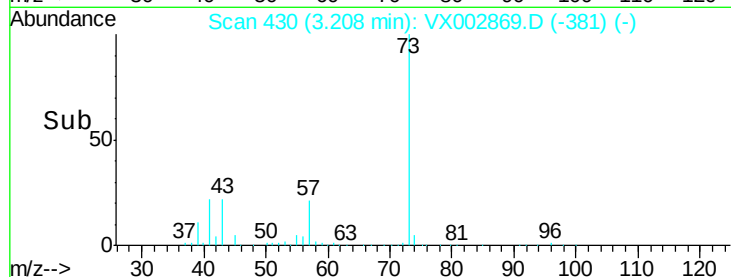
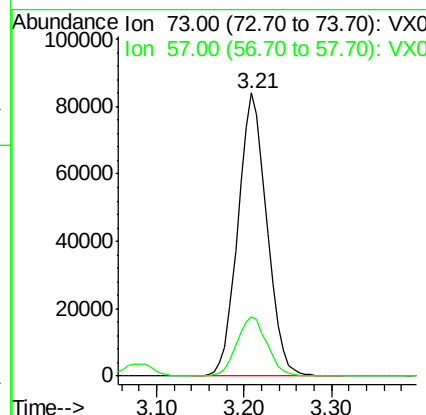
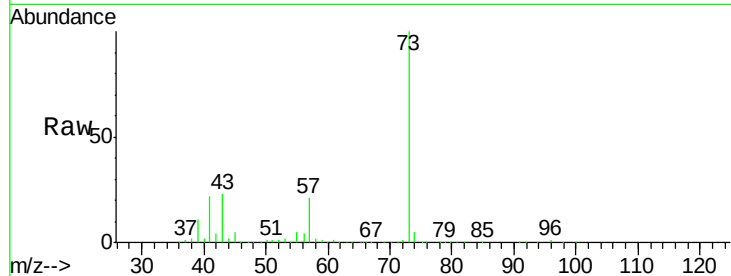
#19
Methyl tert-butyl Ether
Concen: 20.41 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 73 Resp: 193267
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5

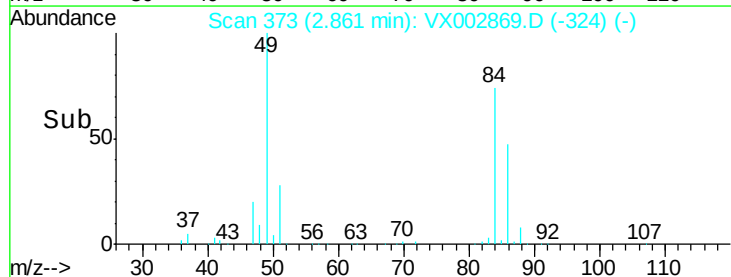
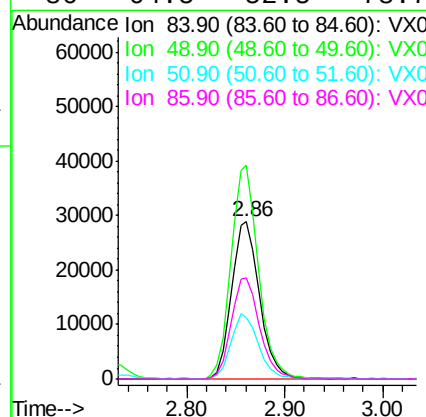
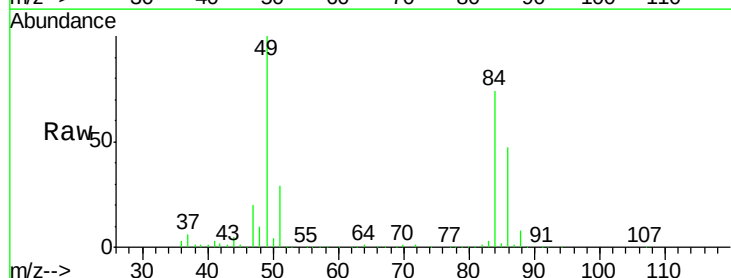
Manual Integrations
APPROVED

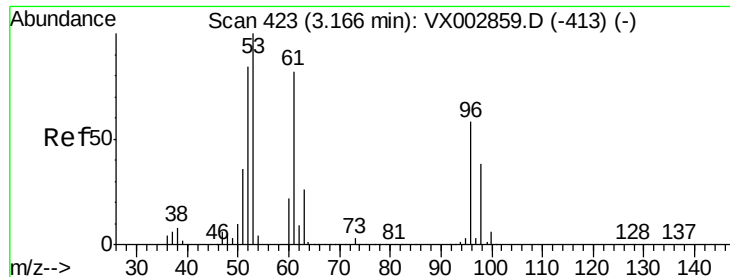
MMDadoda
6/28/2018 2:26:30 PM



#20
Methylene Chloride
Concen: 19.31 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion: 84 Resp: 57442
Ion Ratio Lower Upper
84 100
49 135.8 107.8 161.6
51 38.8 32.8 49.2
86 64.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

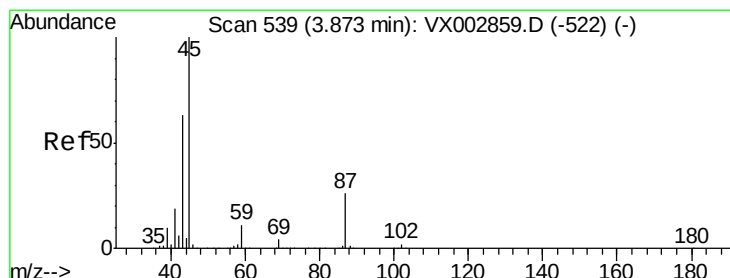
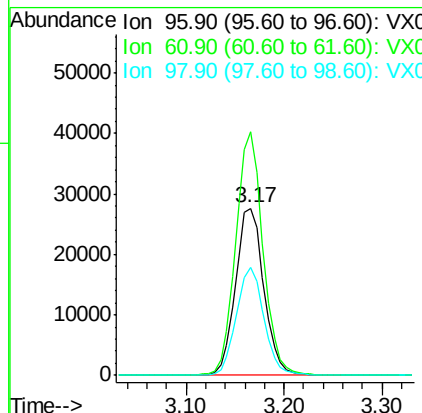
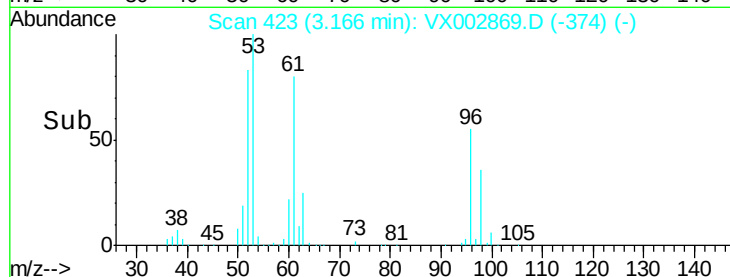
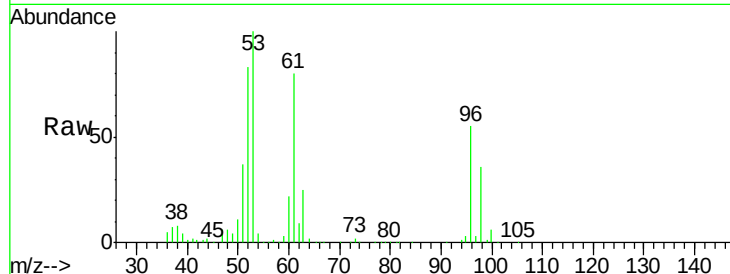
ClientSampleId :

VX0625WBSD01

Tot Ion:	96	Resp:	55460
Ion	Ratio	Lower	Upper
96	100		
61	145.1	117.0	175.4
98	64.7	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#22

Diisopropyl ether

Concen: 19.96 ug/l

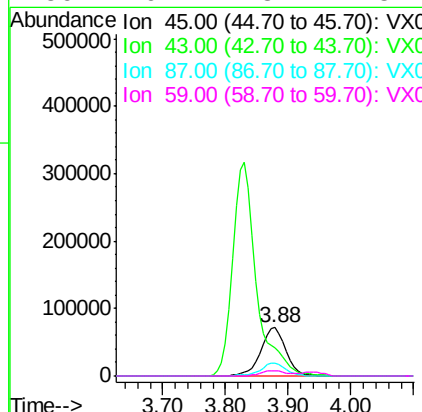
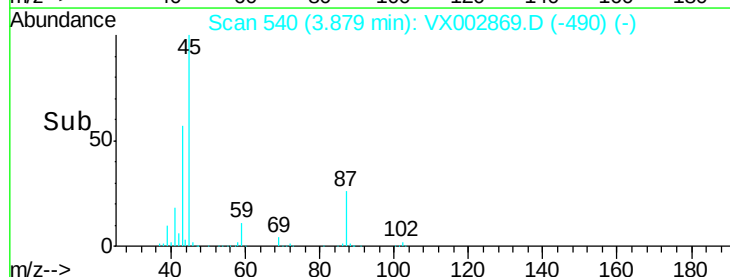
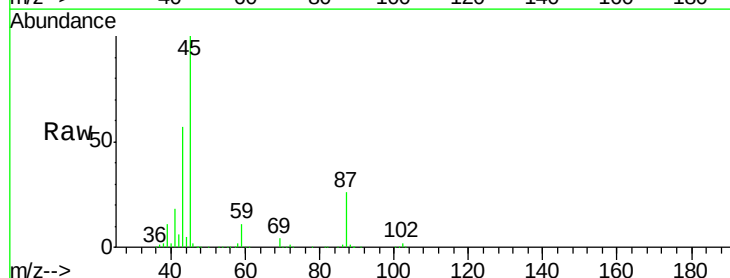
RT: 3.88 min Scan# 540

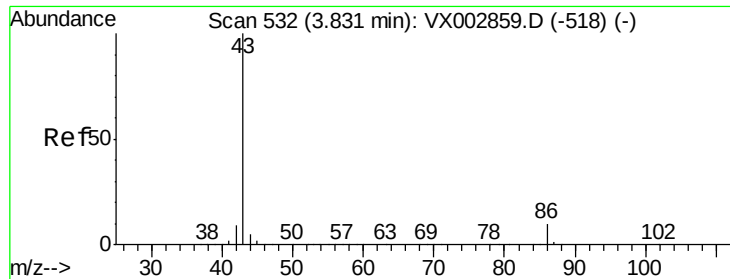
Delta R.T. 0.01 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	45	Resp:	198076
Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.8	70.2
87	26.1	20.2	30.4
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 99.03 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampled :

VX0625WBSD01

Tot Ion: 43 Resp: 832188

Ion Ratio Lower Upper

43 100

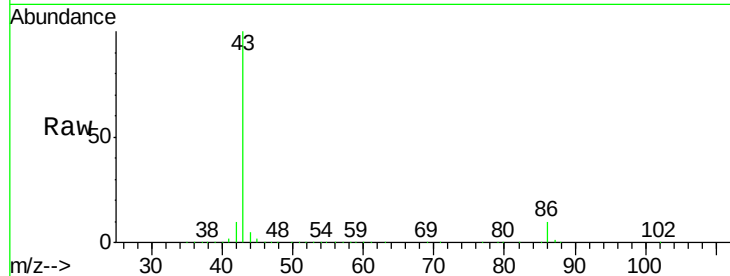
86 9.9 7.4 11.0

Manual Integrations

APPROVED

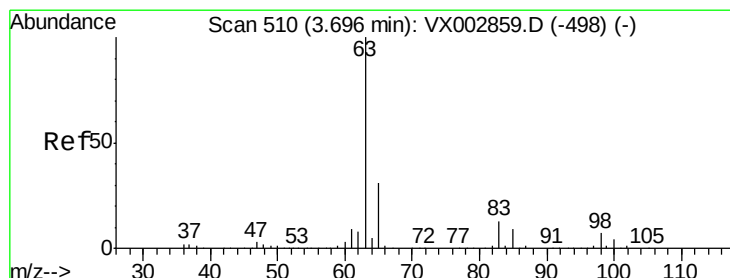
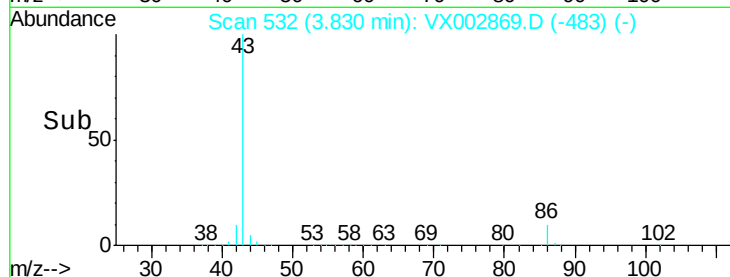
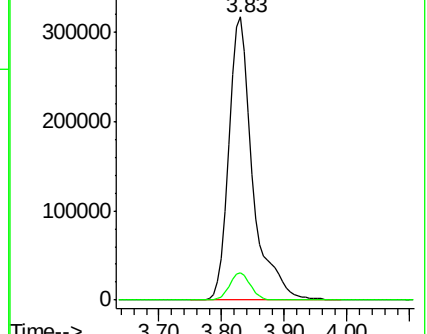
MMDadoda

6/28/2018 2:26:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.98 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

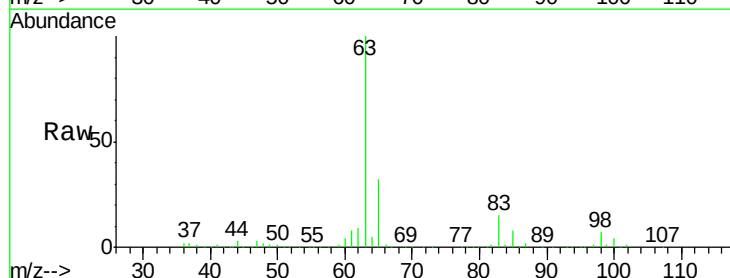
Tgt Ion: 63 Resp: 107740

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

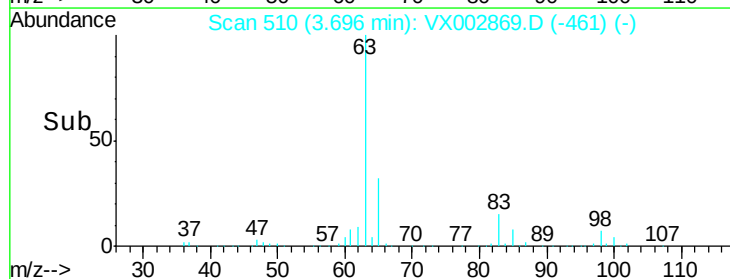
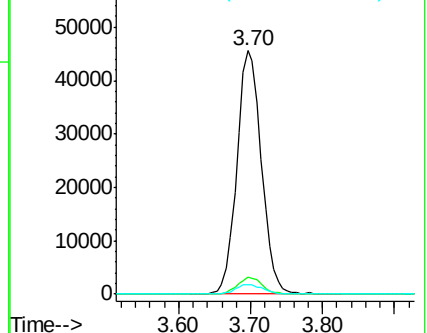
100 4.1 2.0 6.0

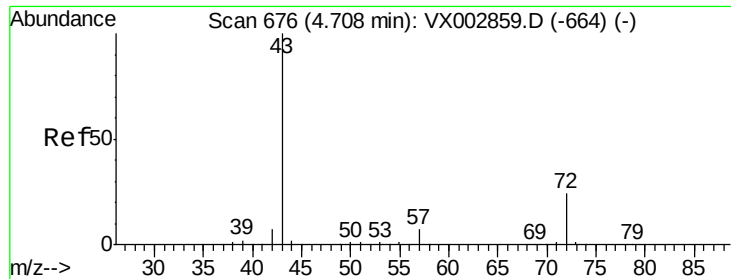


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 104.95 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 43 Resp: 238095

Ion Ratio Lower Upper

43 100

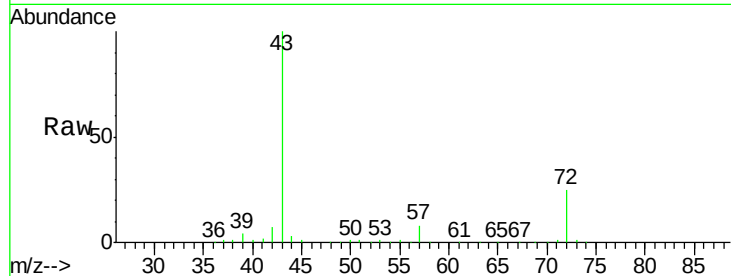
72 24.3 18.5 27.7

Manual Integrations

APPROVED

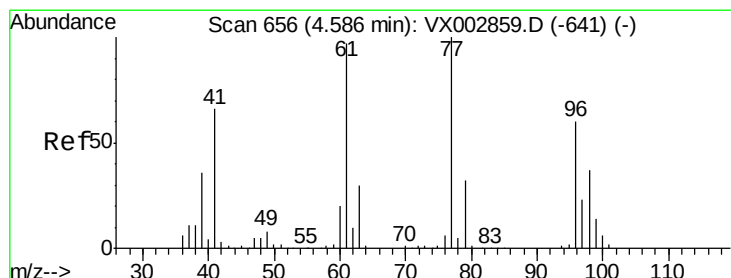
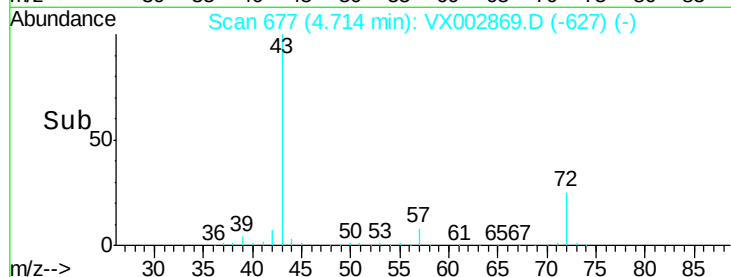
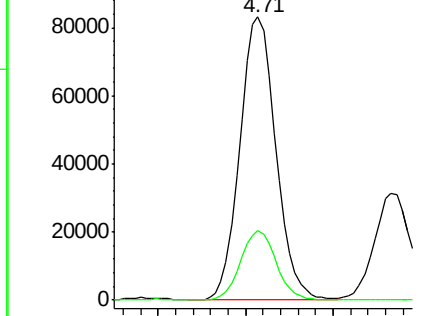
MMDadoda

6/28/2018 2:26:30 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: 18.38 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002869.D

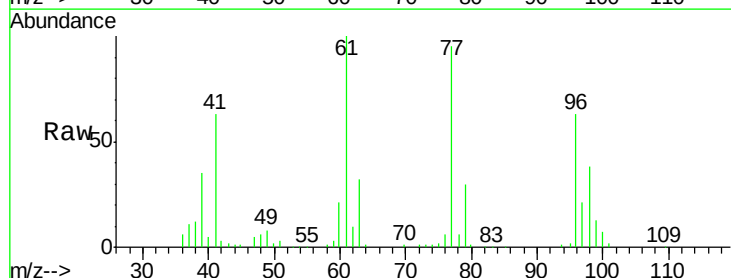
Acq: 25 Jun 2018 19:55

Tgt Ion: 77 Resp: 80624

Ion Ratio Lower Upper

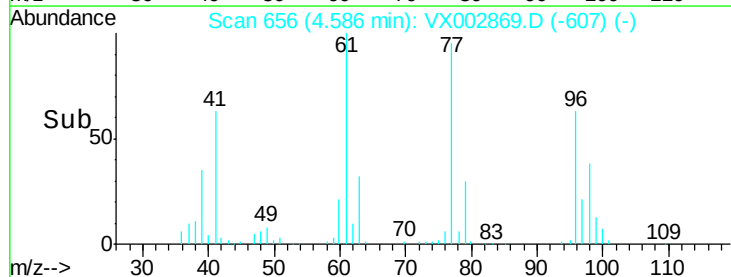
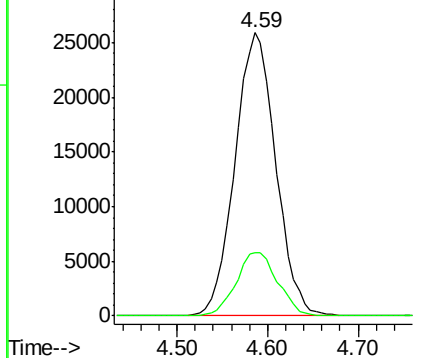
77 100

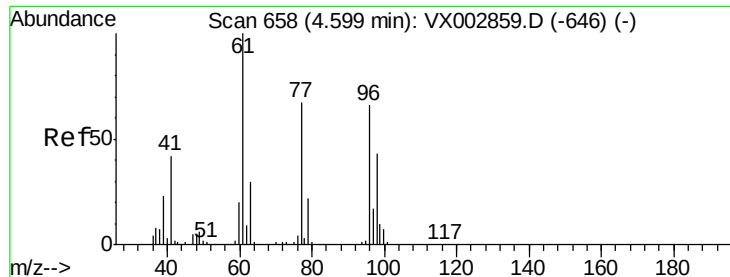
97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

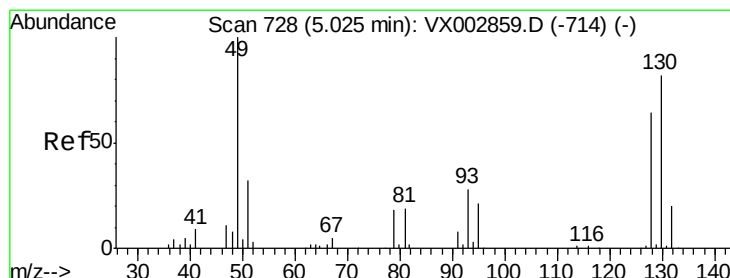
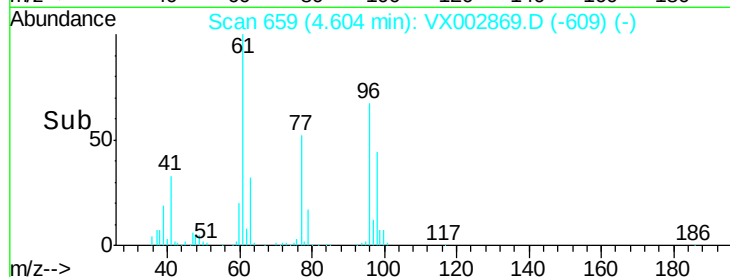
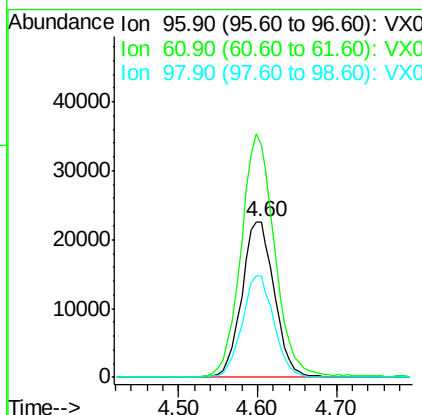
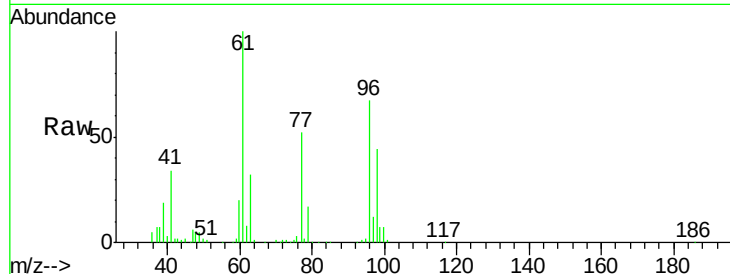
cis-1,2-Dichloroethene
Concen: 20.04 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64454		
61	161.4	0.0	330.2	
98	63.8	0.0	130.2	

Manual Integrations
APPROVED

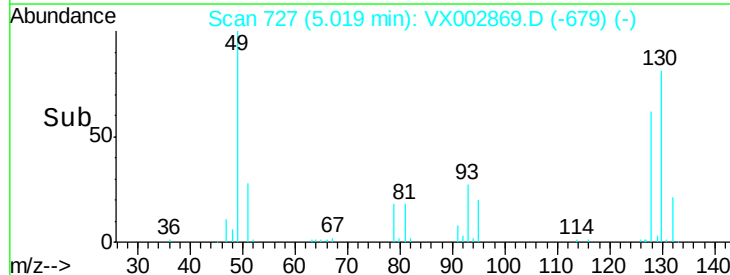
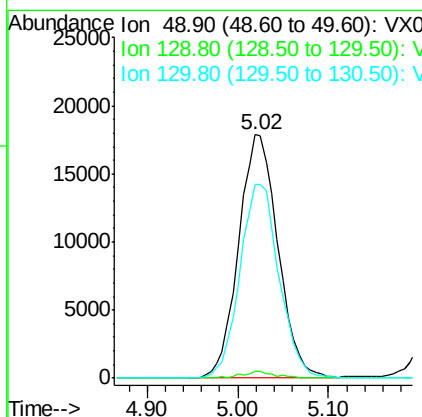
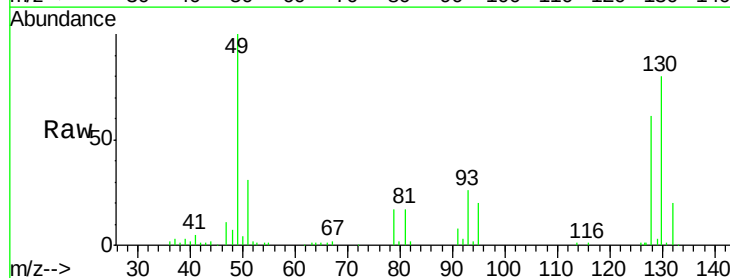
MMDadoda
6/28/2018 2:26:30 PM

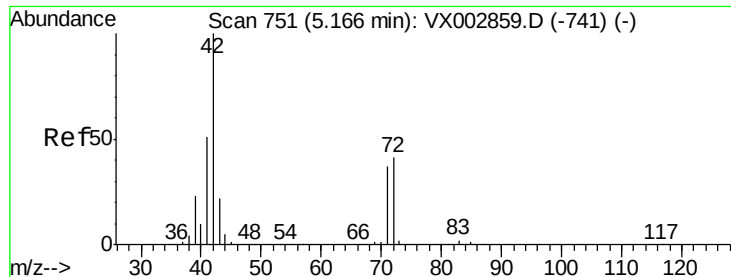


#28

Bromochloromethane
Concen: 20.77 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53630		
129	2.3	0.0	4.2	
130	79.5	61.2	91.8	





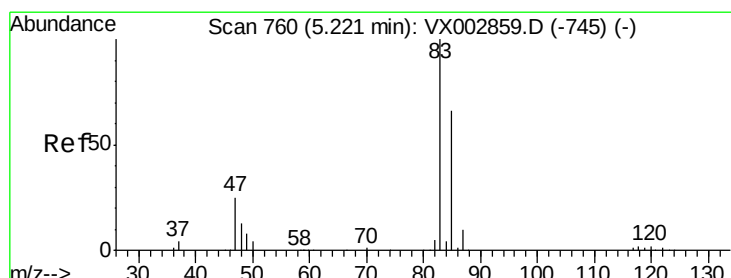
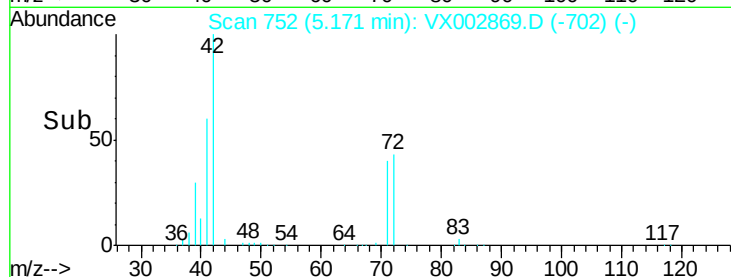
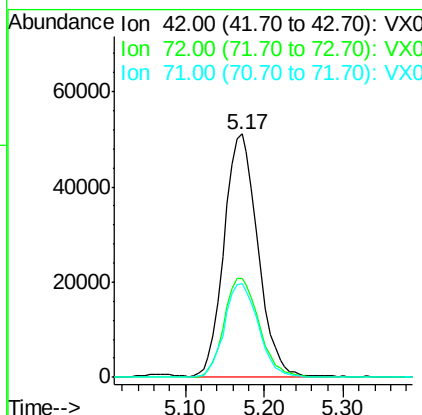
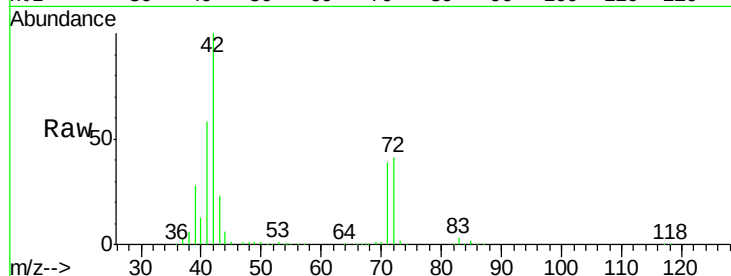
#29
Tetrahydrofuran
Concen: 104.42 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.0	48.0
71	39.0	30.1	45.1

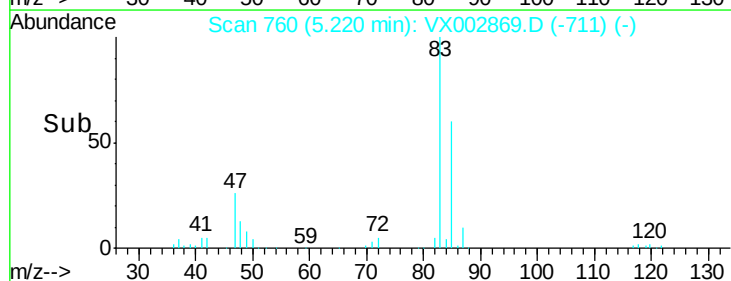
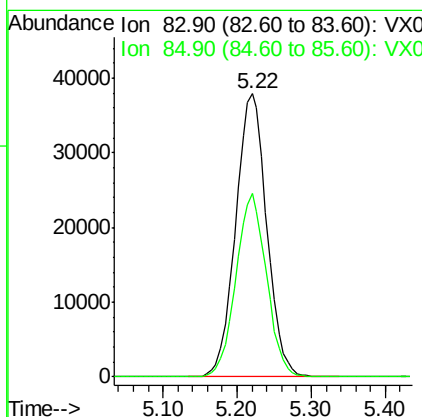
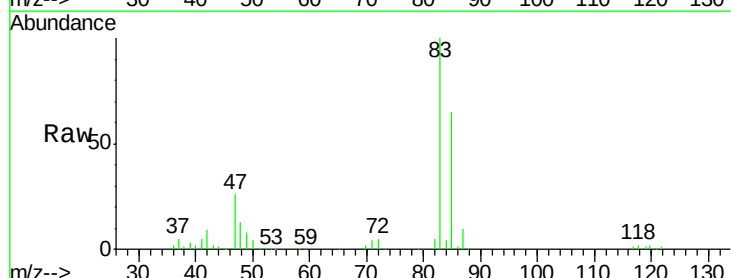
Manual Integrations
APPROVED

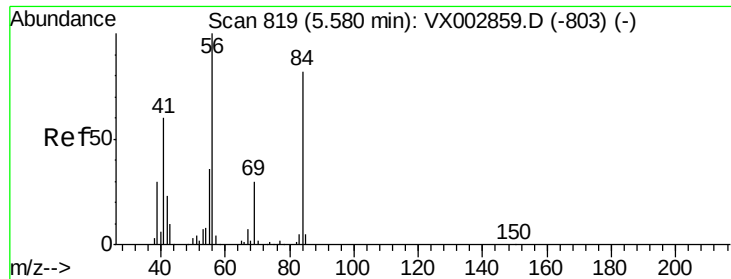
MMDadoda
6/28/2018 2:26:30 PM



#30
Chloroform
Concen: 20.06 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6





#31

Cyclohexane

Concen: 19.30 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

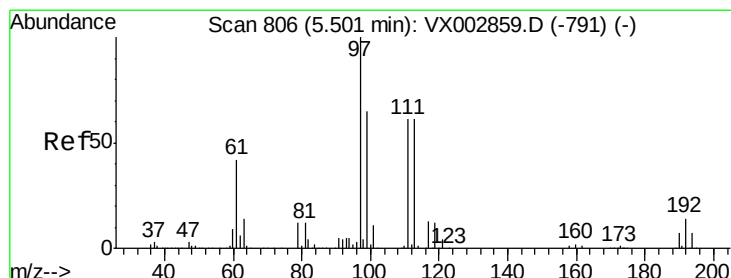
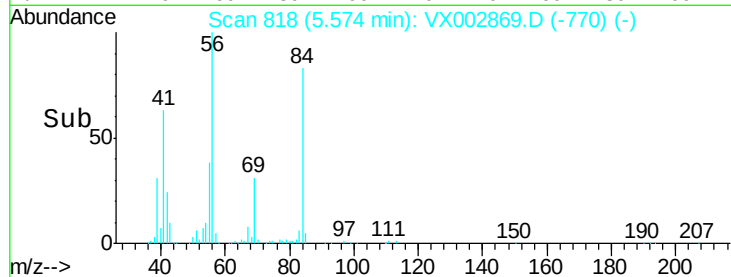
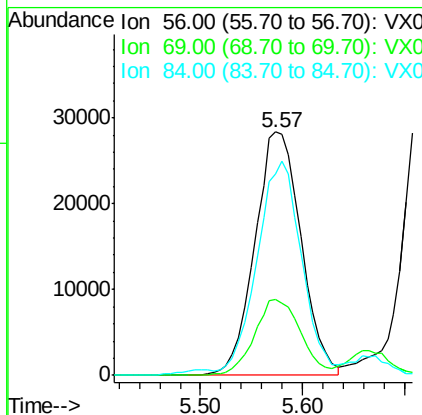
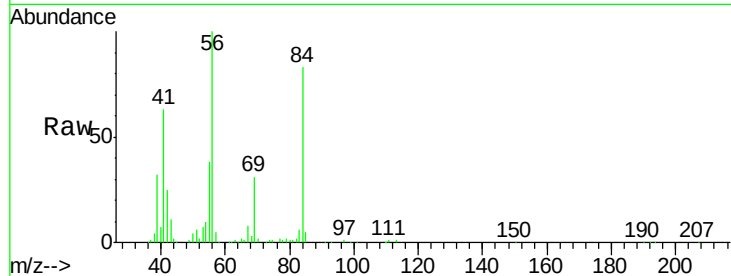
ClientSampleId :

VX0625WBSD01

Tot Ion:	56	Resp:	89323
Ion Ratio	Lower	Upper	
56	100		
69	31.2	23.7	35.5
84	81.2	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#32

1,1,1-Trichloroethane

Concen: 19.78 ug/l

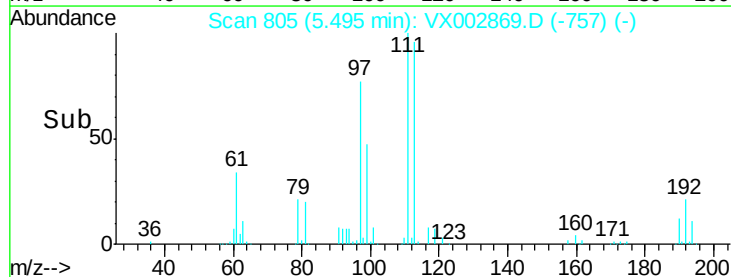
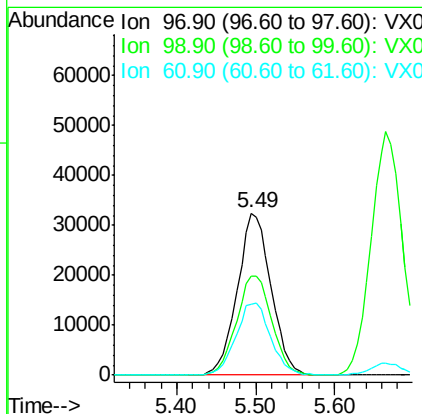
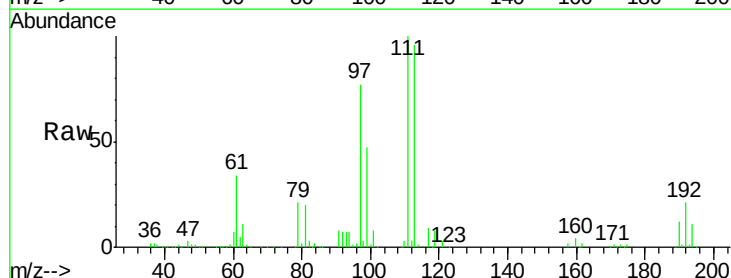
RT: 5.49 min Scan# 805

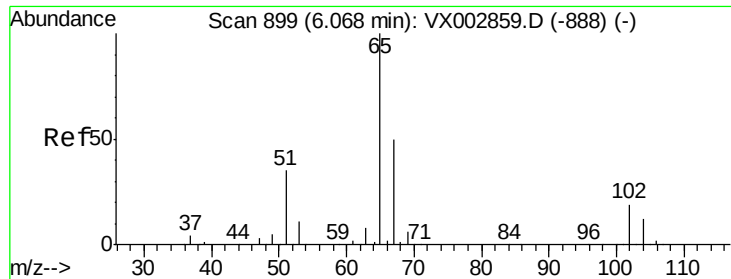
Delta R.T. -0.01 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	97	Resp:	96316
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.6	77.4
61	46.0	36.4	54.6





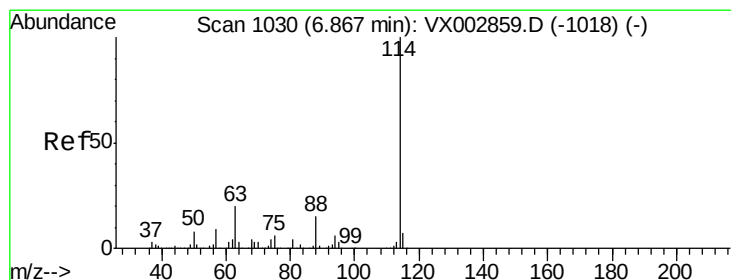
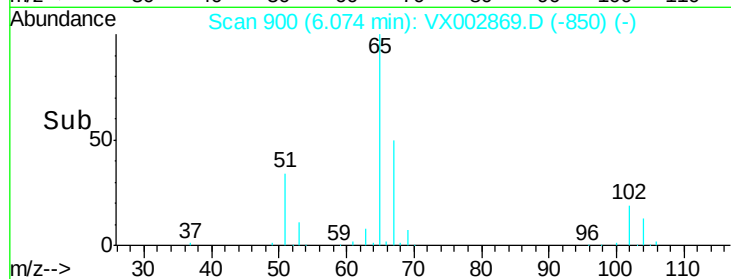
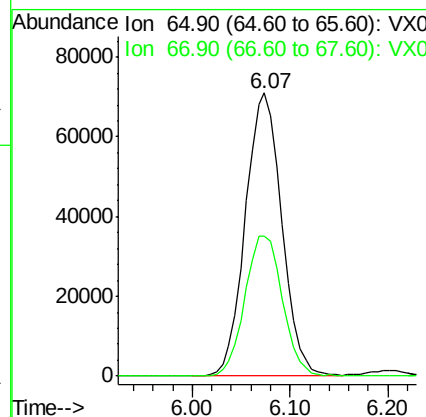
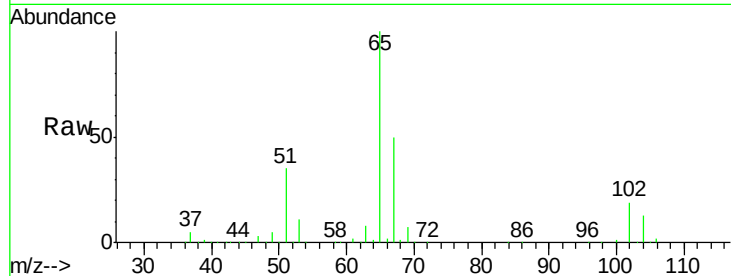
#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183894		
67	51.3	0.0	102.6	

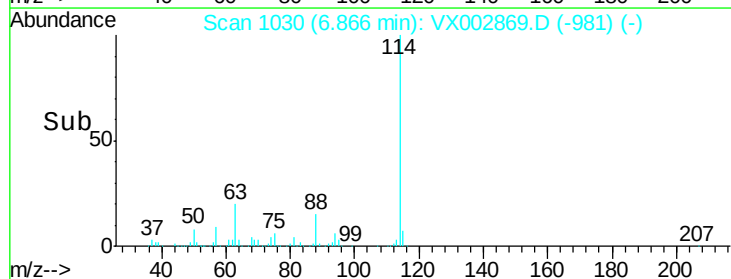
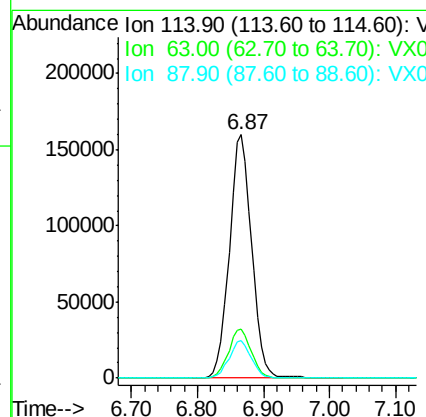
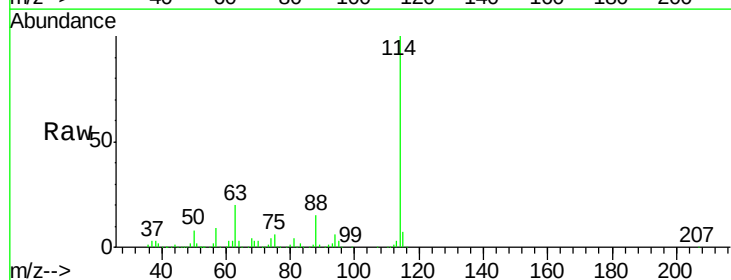
Manual Integrations
 APPROVED

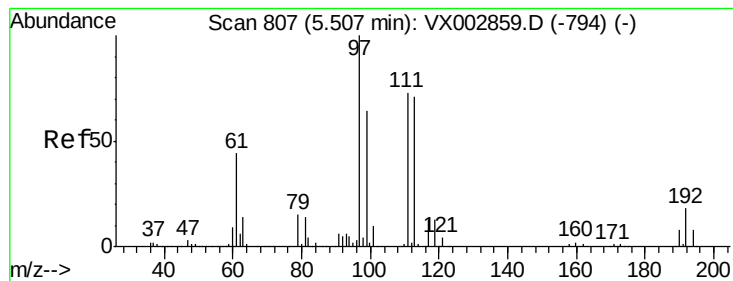
MMDadoda
 6/28/2018 2:26:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	373201		
63	20.1	0.0	41.4	
88	15.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 49.33 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

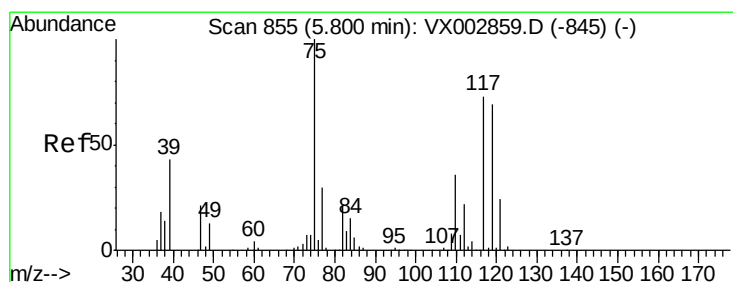
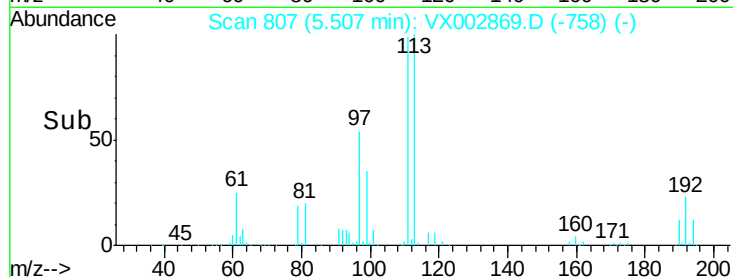
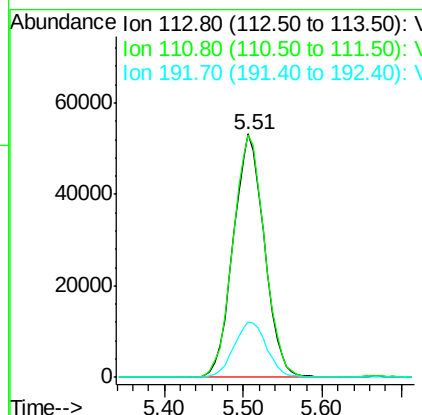
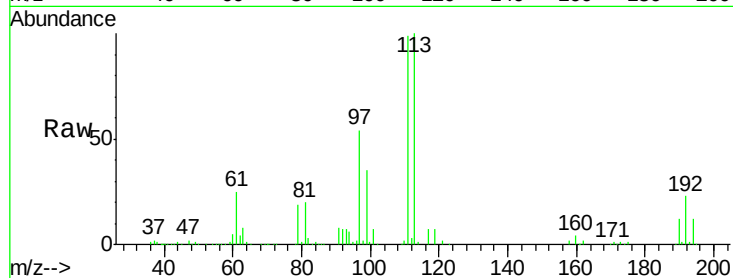
ClientSampled :

VX0625WBSD01

Tot Ion:	113	Resp:	145777
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	23.8	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#36

1,1-Dichloropropene

Concen: 18.95 ug/l

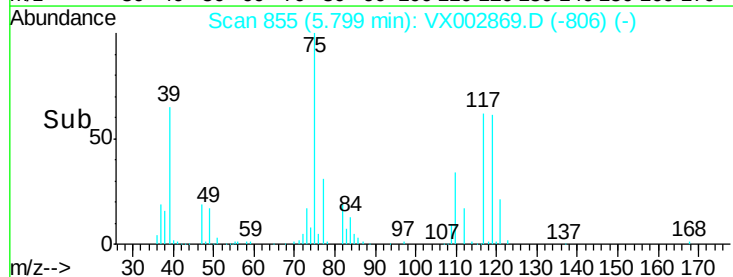
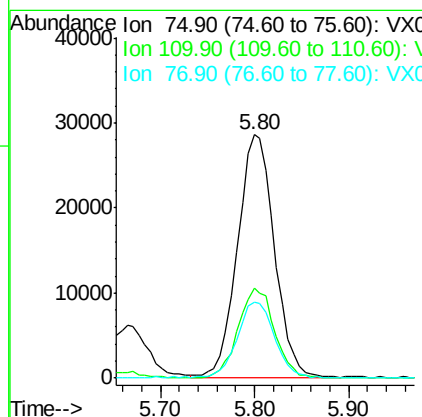
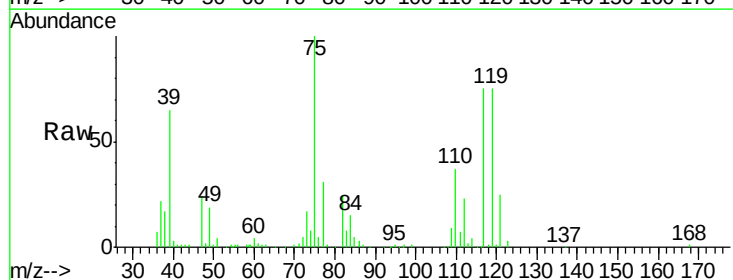
RT: 5.80 min Scan# 855

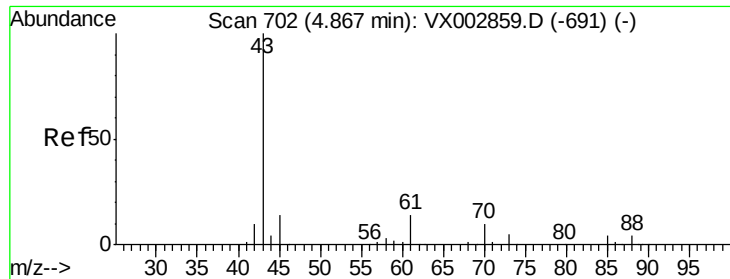
Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	75	Resp:	77565
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.4
77	31.3	24.3	36.5





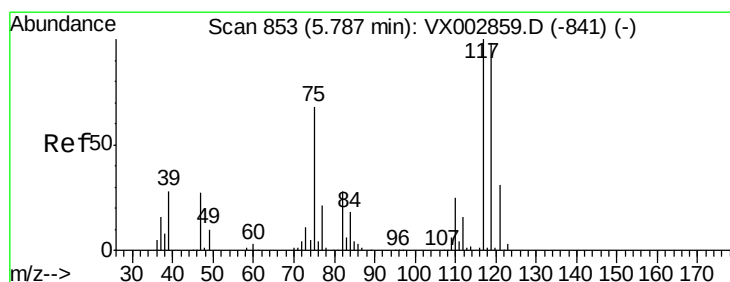
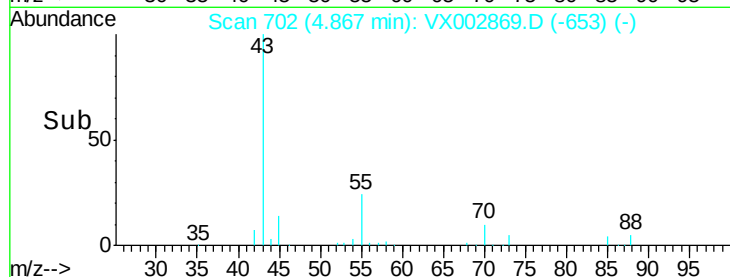
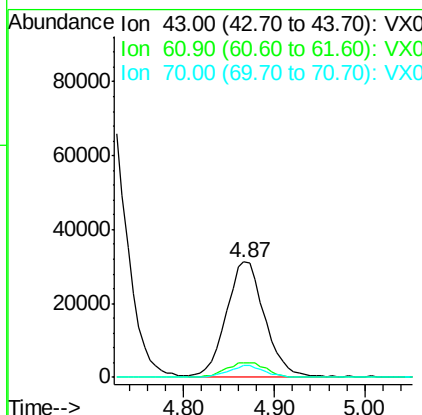
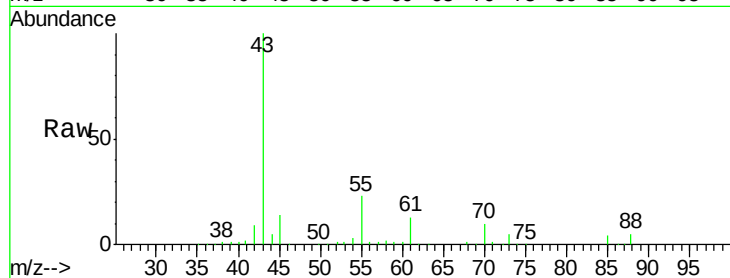
#37
Ethyl Acetate
Concen: 20.50 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	10.0	7.6	11.4

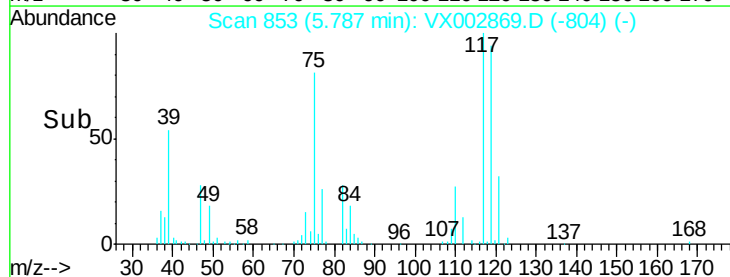
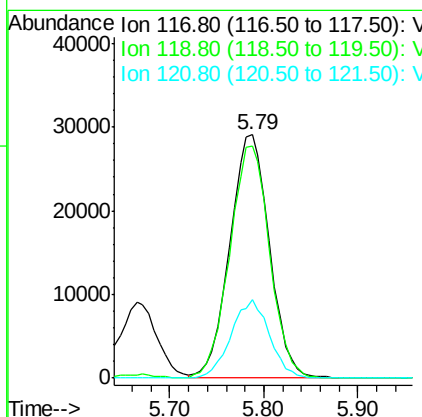
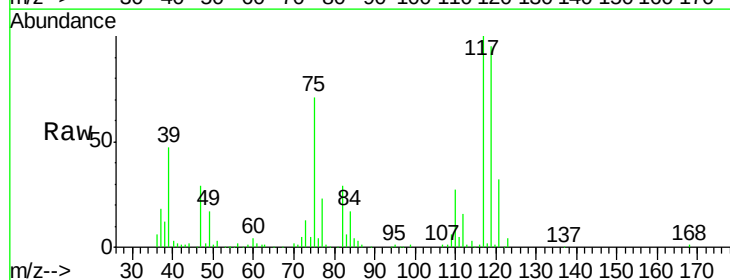
Manual Integrations
APPROVED

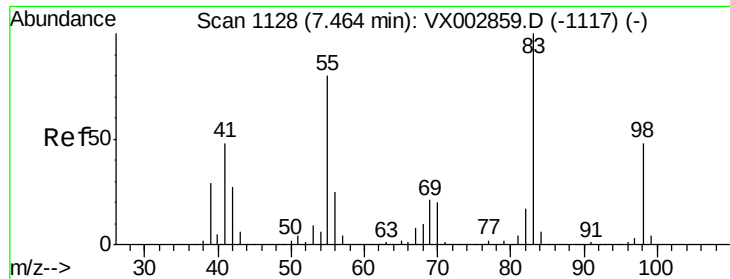
MMDadoda
6/28/2018 2:26:30 PM



#38
Carbon Tetrachloride
Concen: 19.01 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
121	32.4	24.4	36.6





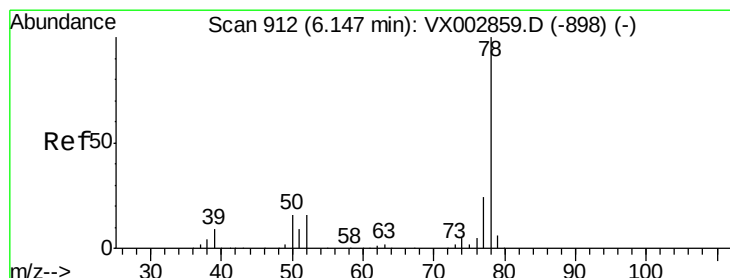
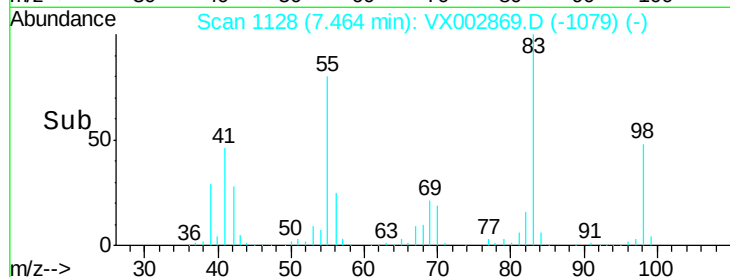
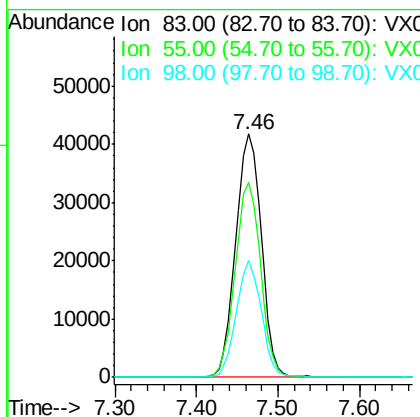
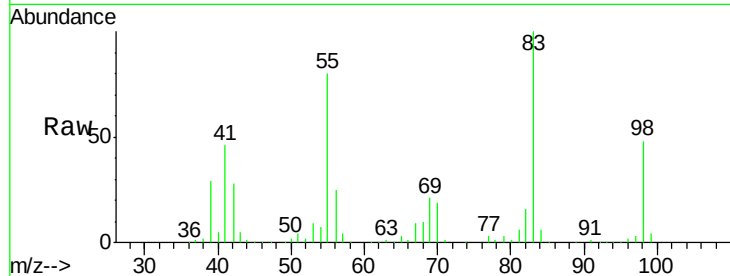
#39
Methylvlcyclohexane
Concen: 19.10 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	65.4	98.0
98	48.0	37.4	56.0

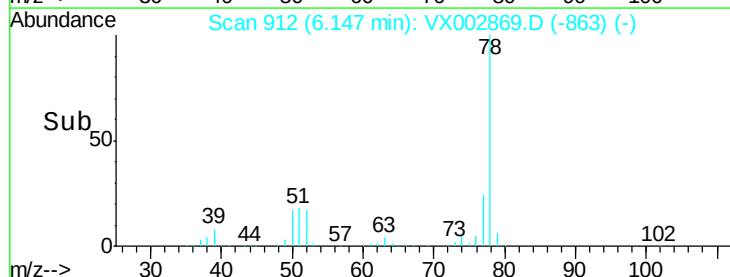
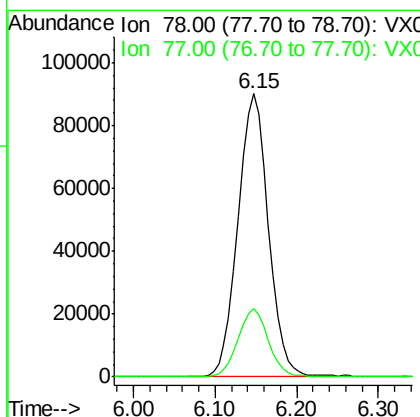
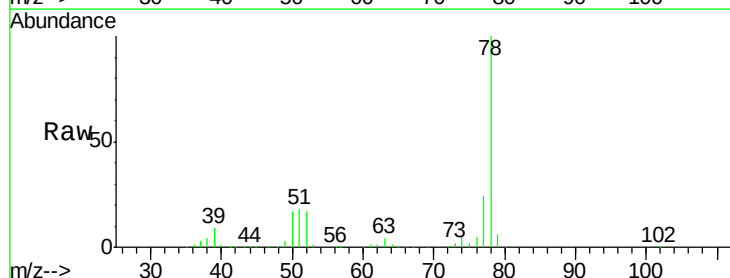
Manual Integrations
APPROVED

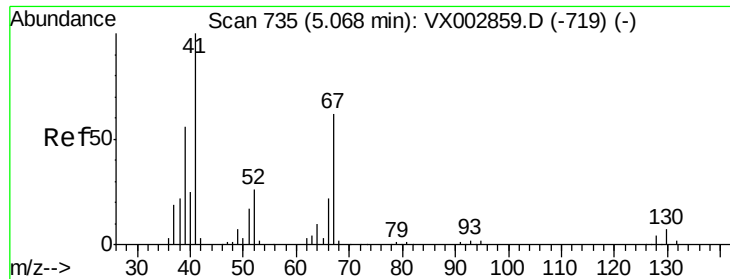
MMDadoda
6/28/2018 2:26:30 PM



#40
Benzene
Concen: 19.69 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





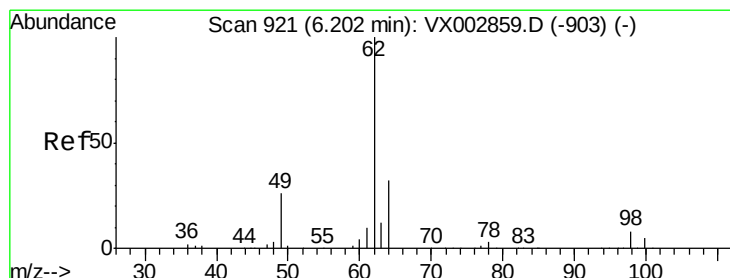
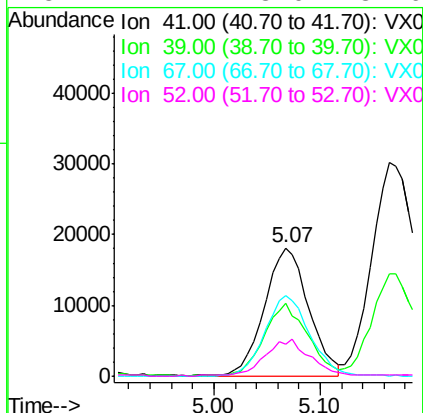
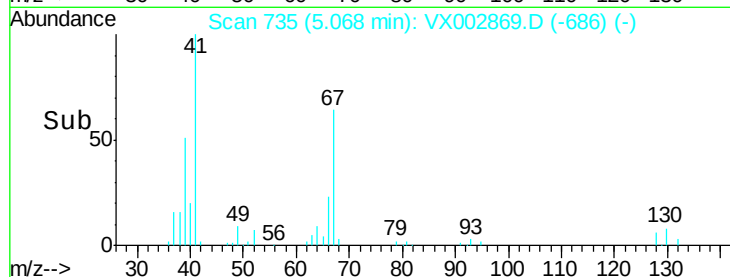
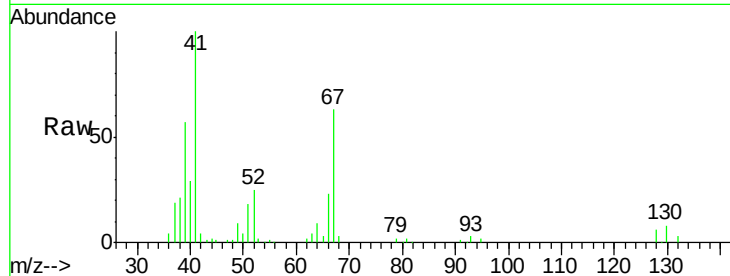
#41
Methacrylonitrile
Concen: 20.53 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.8	68.6	
67	64.1	51.3	76.9	
52	27.2	23.0	34.6	

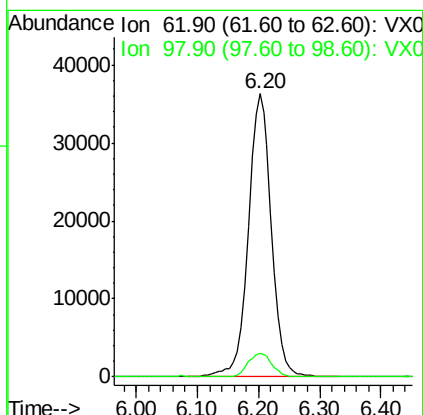
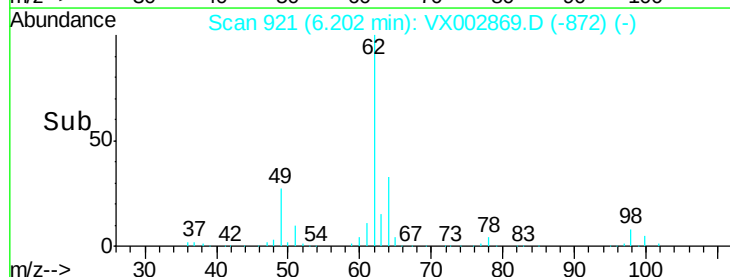
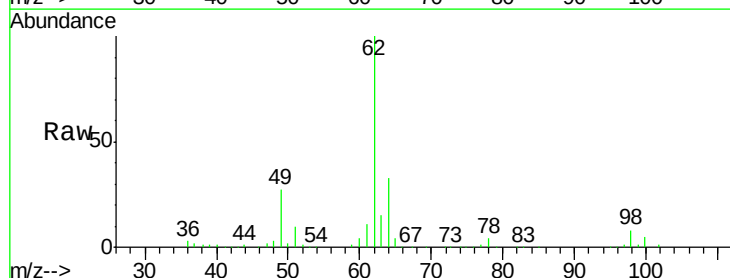
Manual Integrations
APPROVED

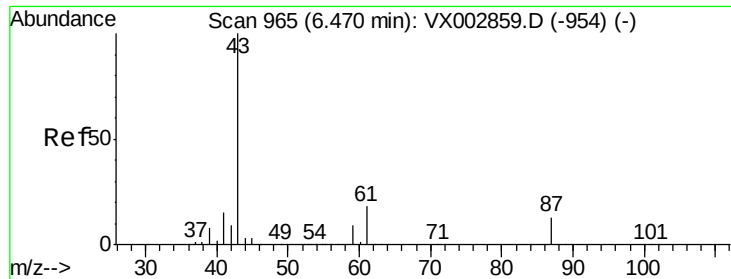
MMDadoda
6/28/2018 2:26:30 PM



#42
1,2-Dichloroethane
Concen: 19.89 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.6	





#43

Isopropyl Acetate

Concen: 19.71 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

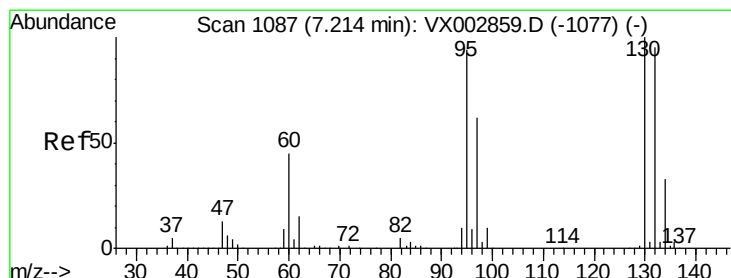
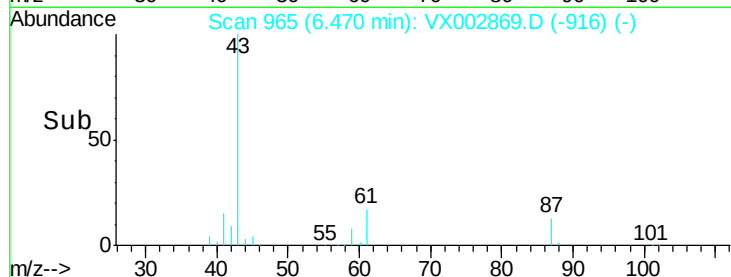
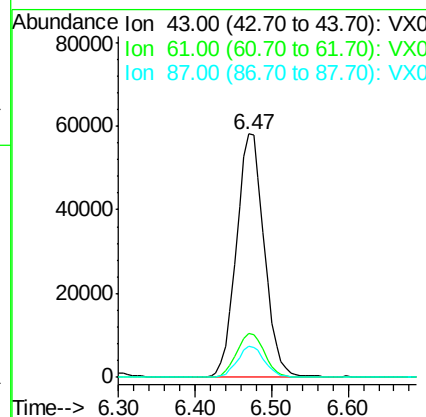
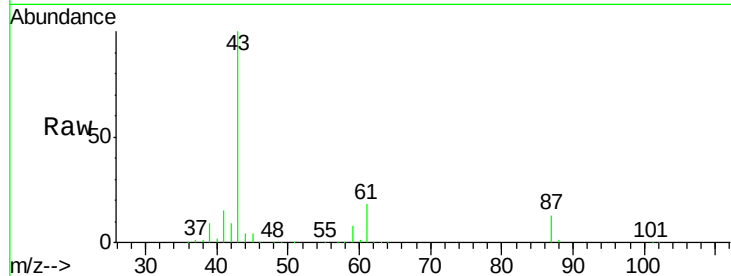
ClientSampleId :

VX0625WBSD01

Tot Ion:	43	Resp:	145642
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.5	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#44

Trichloroethene

Concen: 19.15 ug/l

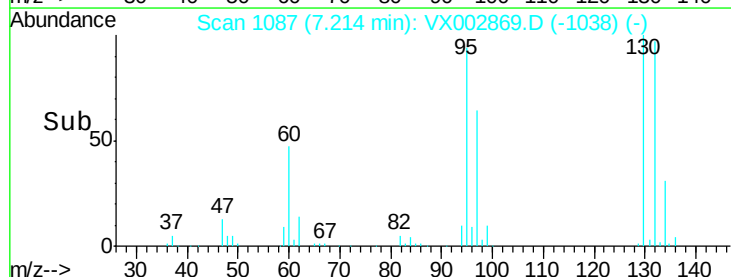
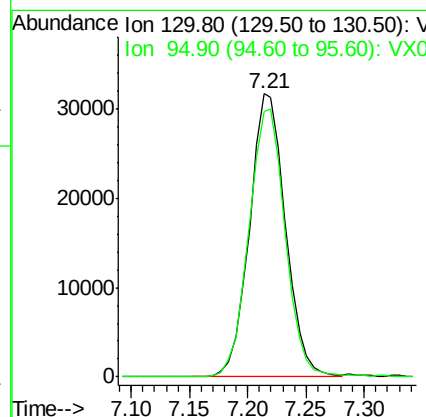
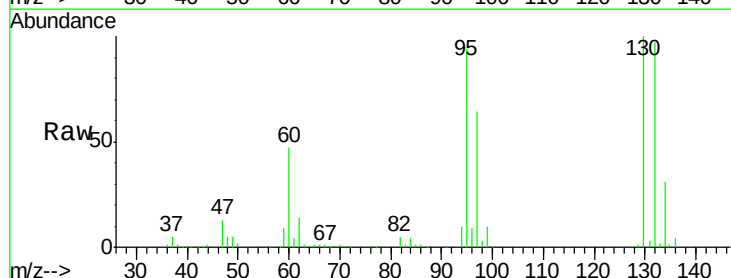
RT: 7.21 min Scan# 1087

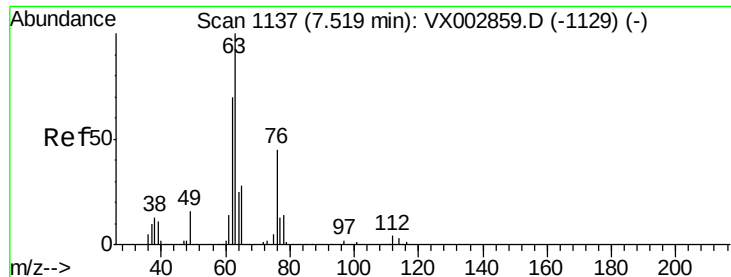
Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	130	Resp:	67909
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	185.4





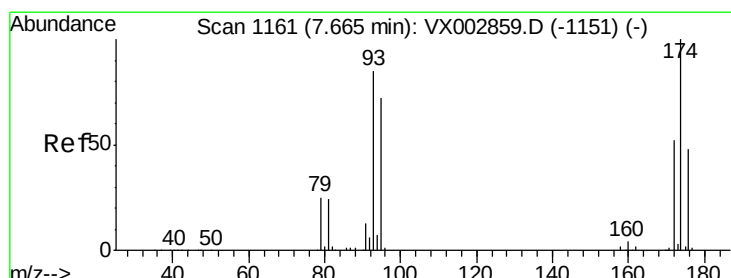
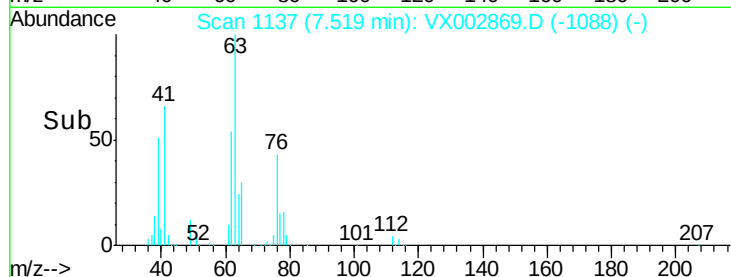
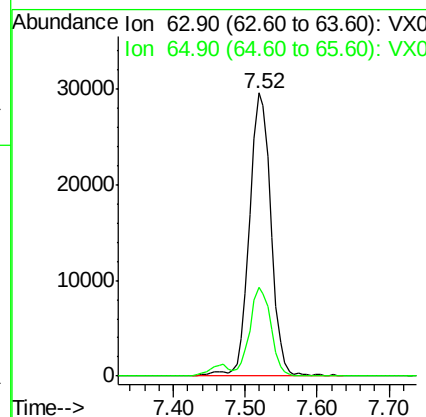
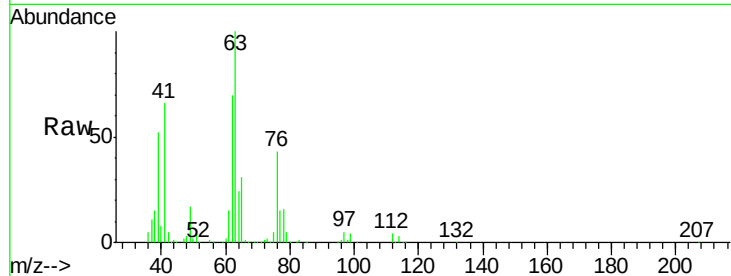
#45
 1,2-Dichloropropane
 Concen: 19.46 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion: 63 Resp: 61378
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

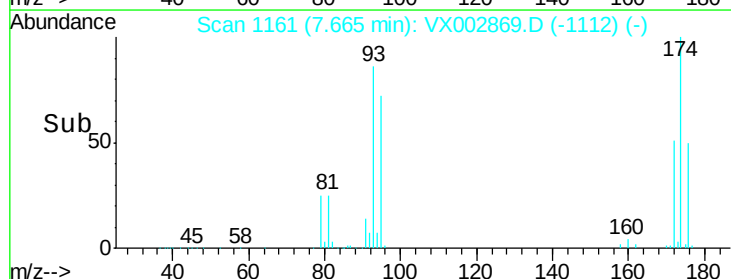
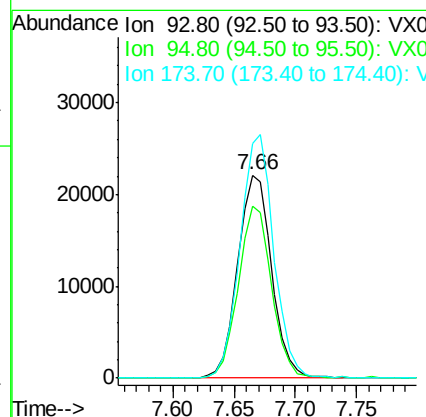
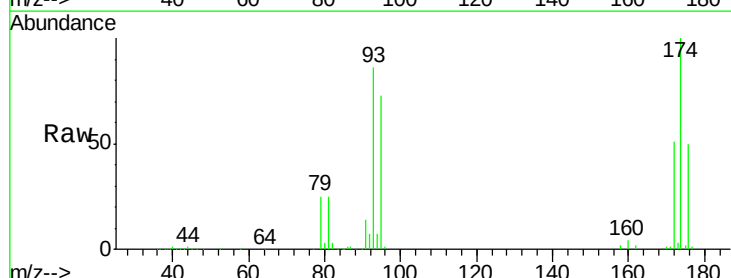
Manual Integrations
 APPROVED

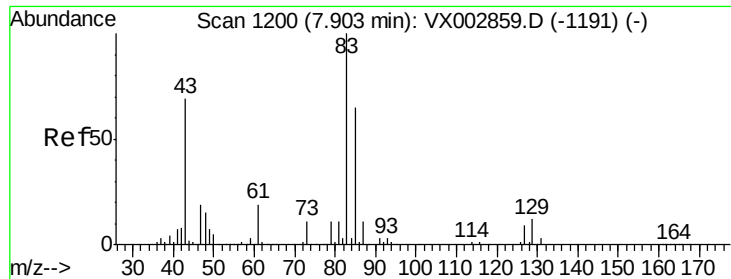
MMDadoda
 6/28/2018 2:26:30 PM



#46
 Dibromomethane
 Concen: 19.41 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion: 93 Resp: 42495
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 119.0 92.4 138.6





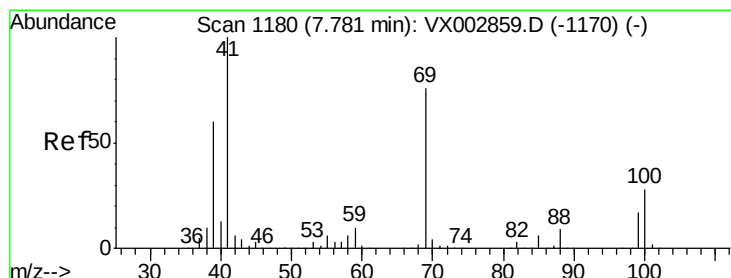
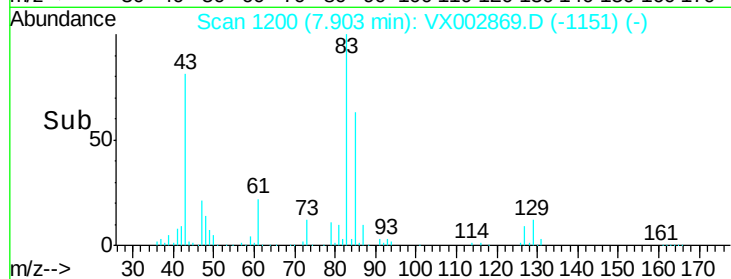
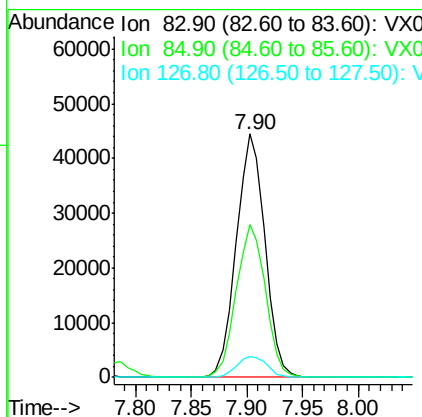
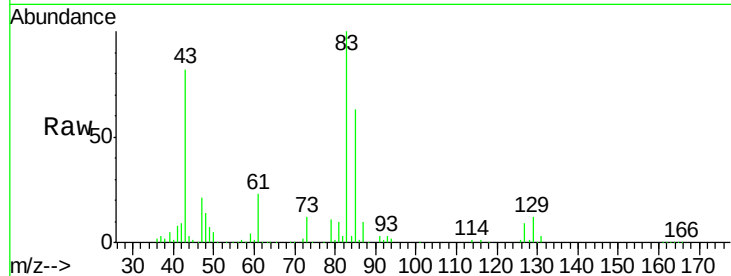
#47
 Bromodichloromethane
 Concen: 19.53 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	83	Resp	79046
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	50.3	75.5
127	8.7	7.0	10.4

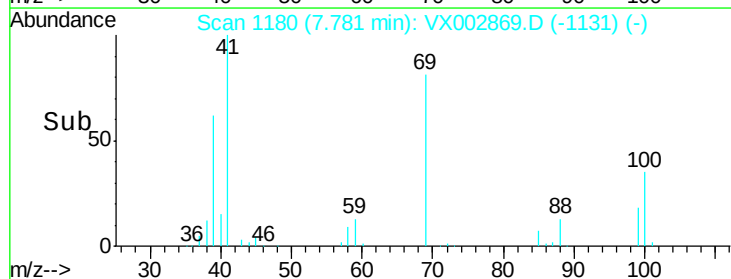
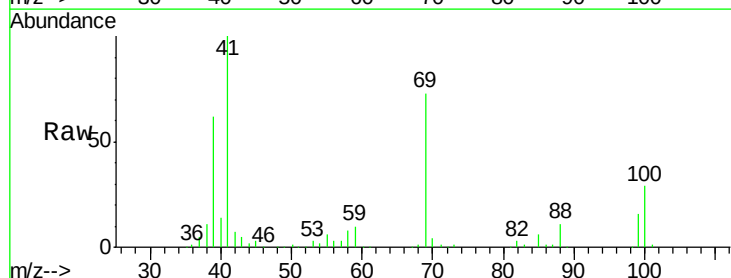
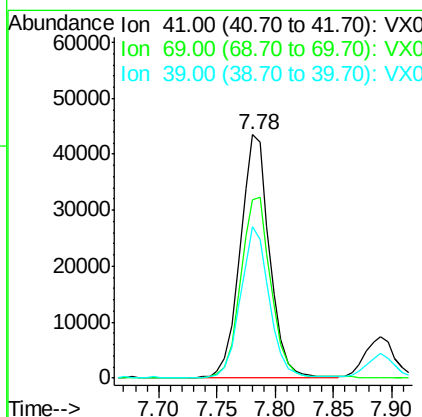
Manual Integrations
 APPROVED

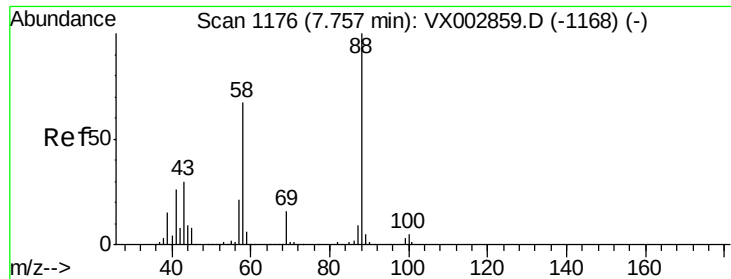
MMDadoda
 6/28/2018 2:26:30 PM



#48
 Methyl methacrylate
 Concen: 19.98 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	41	Resp	76073
Ion Ratio	100	Lower	Upper
41	100		
69	77.3	59.1	88.7
39	60.5	48.9	73.3





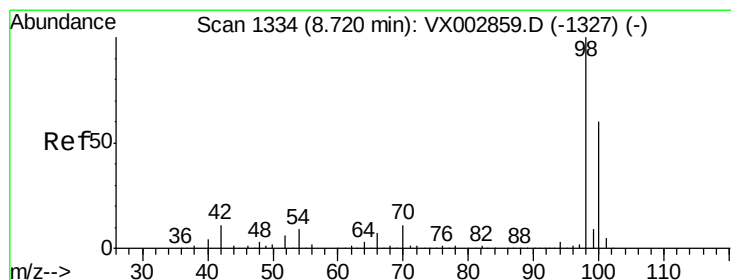
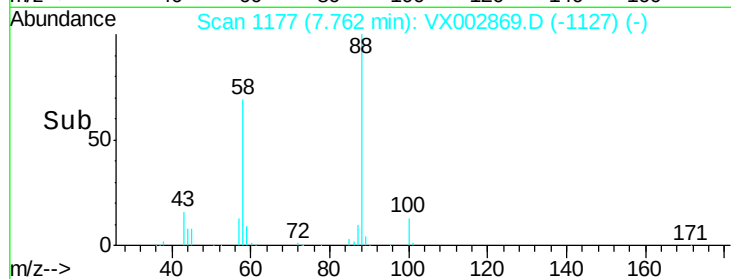
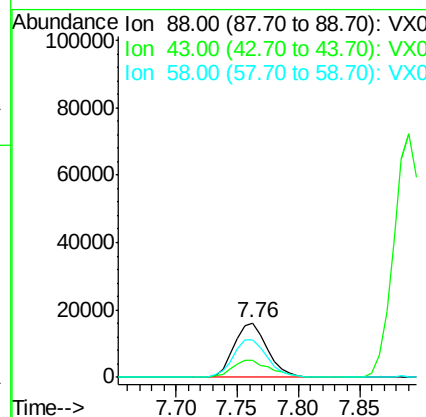
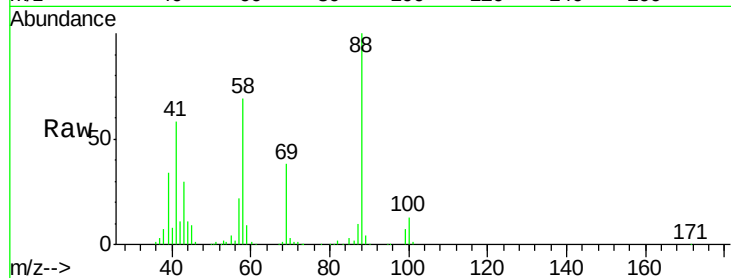
#49
1,4-Dioxane
Concen: 410.56 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.8	44.6
58	72.9	57.1	85.7

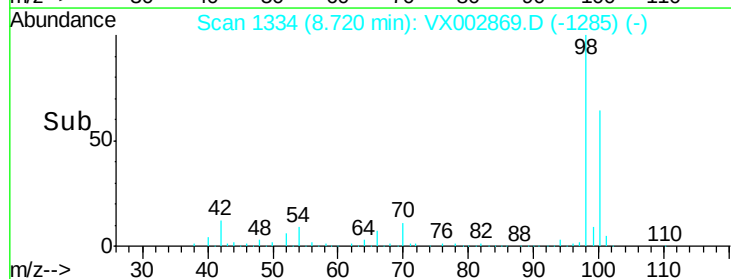
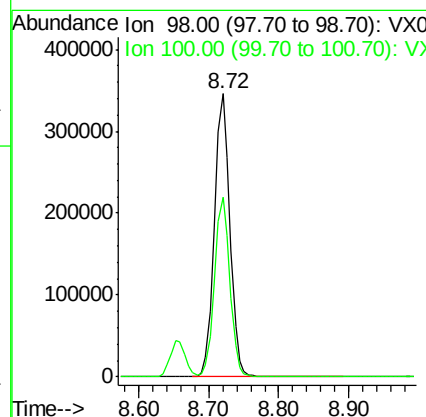
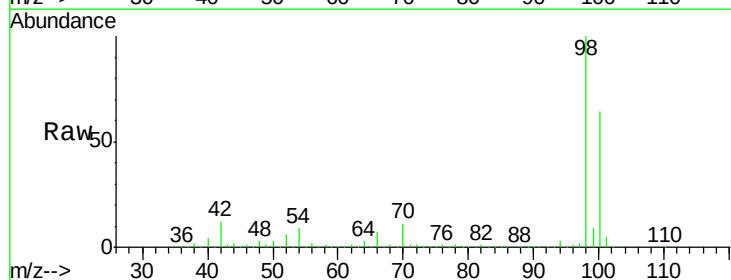
Manual Integrations
APPROVED

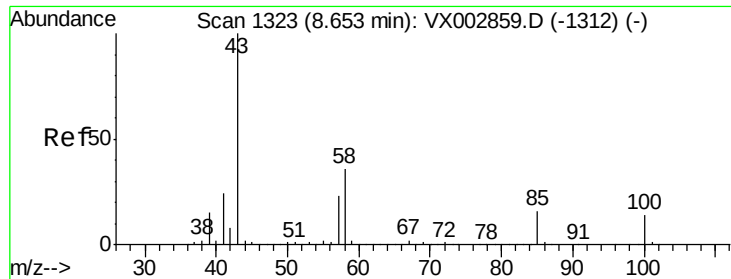
MMDadoda
6/28/2018 2:26:30 PM



#50
Toluene-d8
Concen: 49.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 104.06 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 43 Resp: 481137

Ion Ratio Lower Upper

43 100

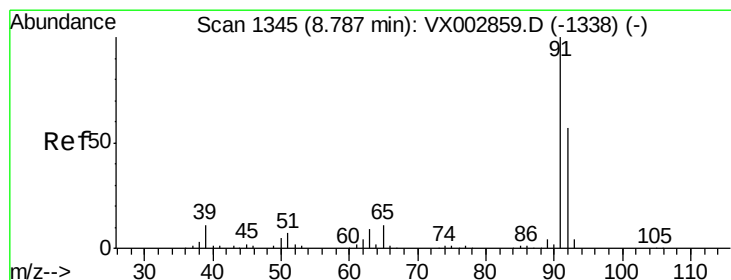
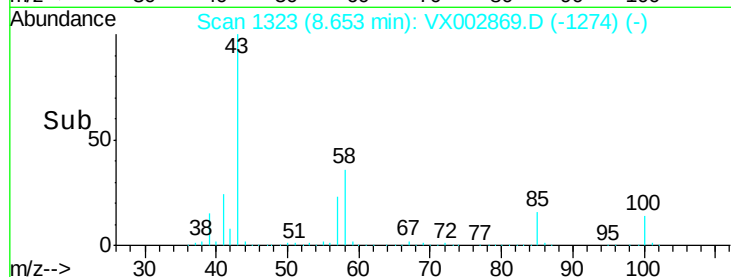
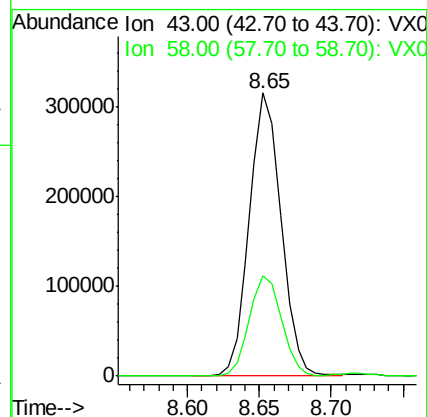
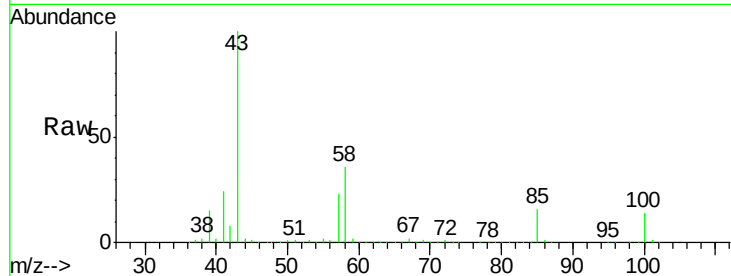
58 36.4 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

6/28/2018 2:26:30 PM



#52

Toluene

Concen: 19.72 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002869.D

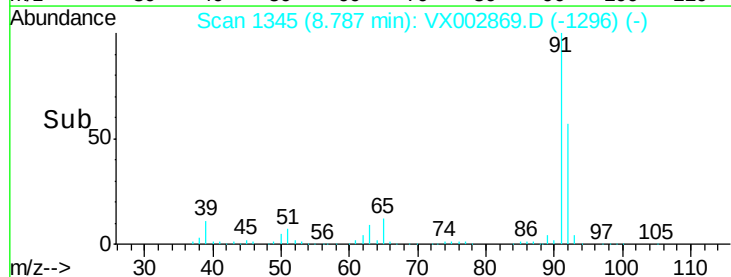
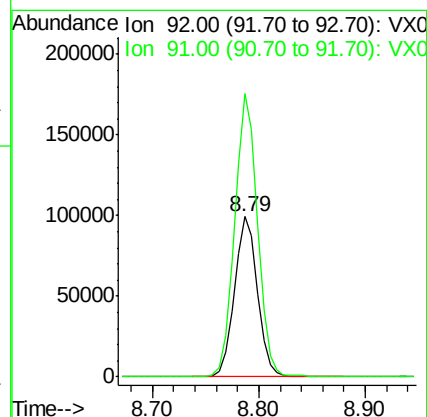
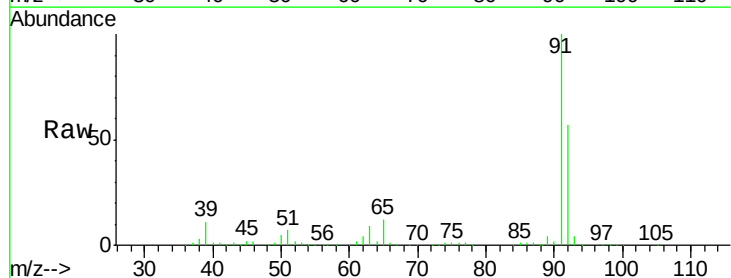
Acq: 25 Jun 2018 19:55

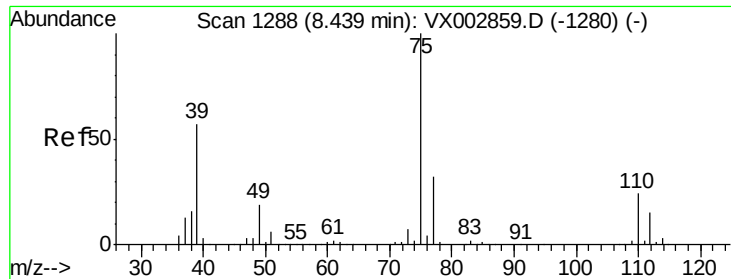
Tgt Ion: 92 Resp: 150192

Ion Ratio Lower Upper

92 100

91 176.5 140.4 210.6





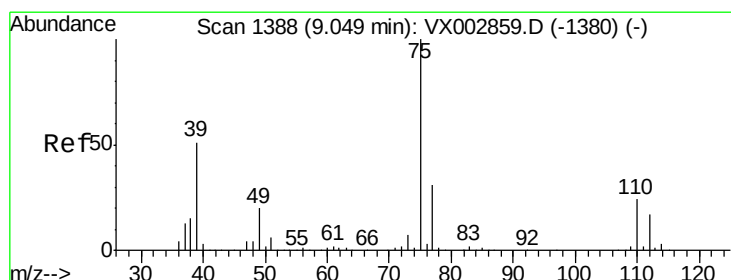
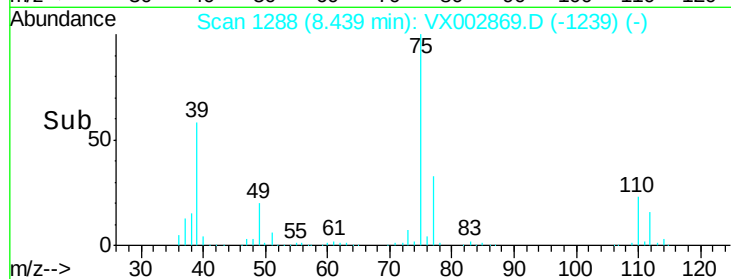
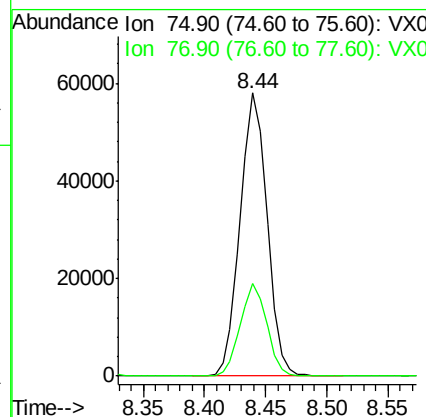
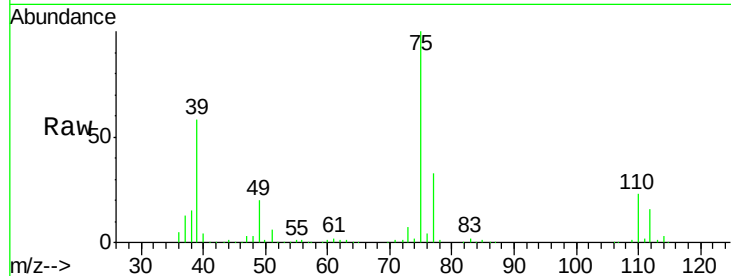
#53
 t-1,3-Dichloropropene
 Concen: 19.37 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion: 75 Resp: 88764
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.2

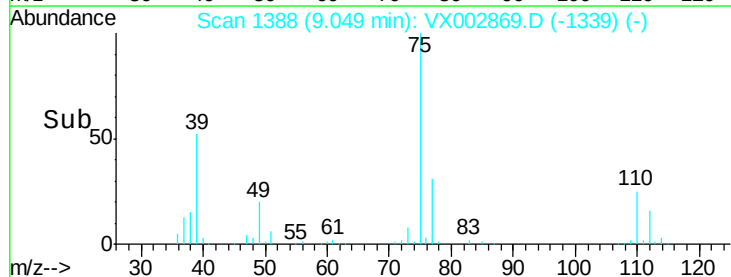
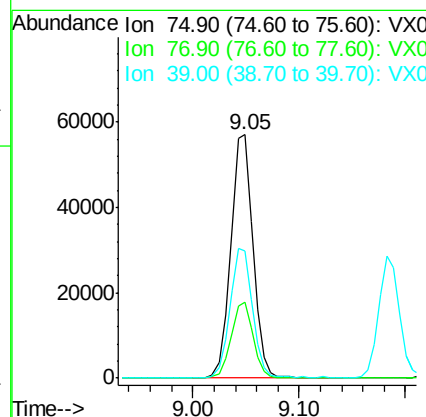
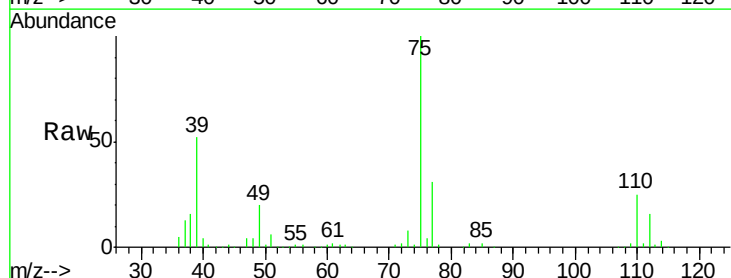
Manual Integrations
 APPROVED

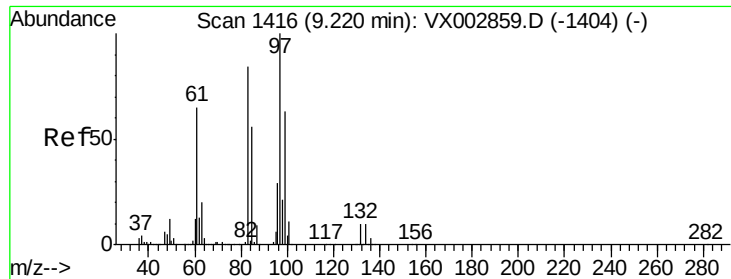
MMDadoda
 6/28/2018 2:26:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.98 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion: 75 Resp: 83693
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2
 39 52.2 42.4 63.6





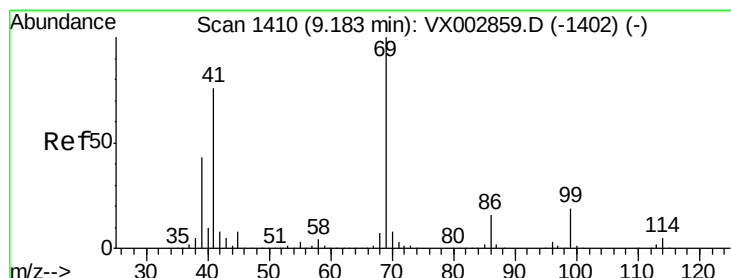
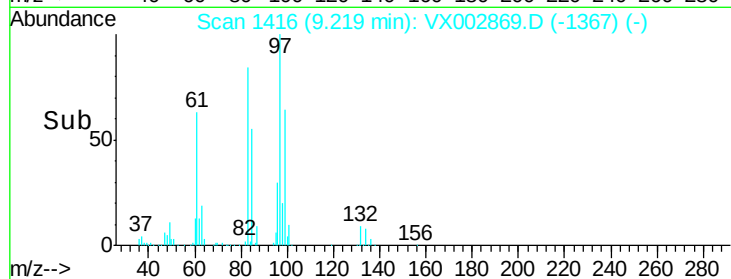
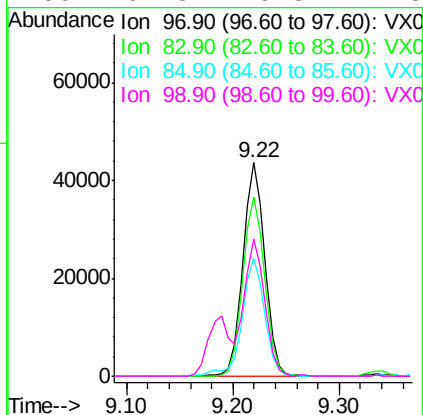
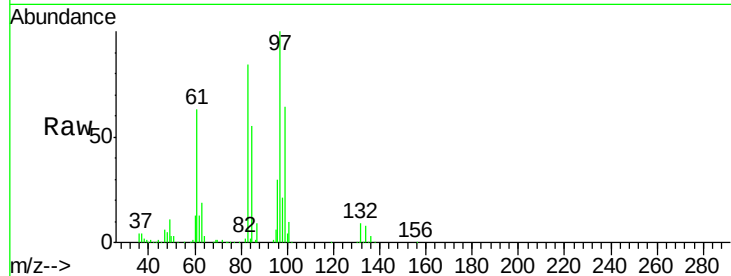
#55
 1,1,2-Trichloroethane
 Concen: 20.22 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	97	Resp	63289
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.2	105.2
85	55.4	44.9	67.3
99	64.3	49.8	74.8

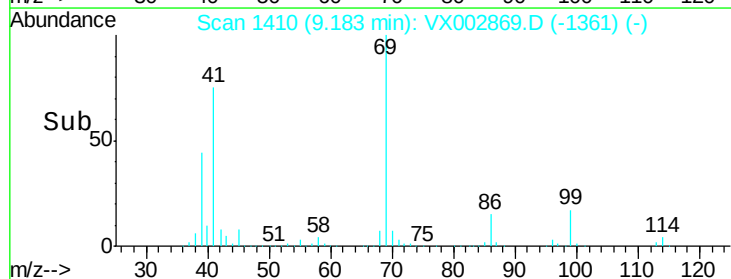
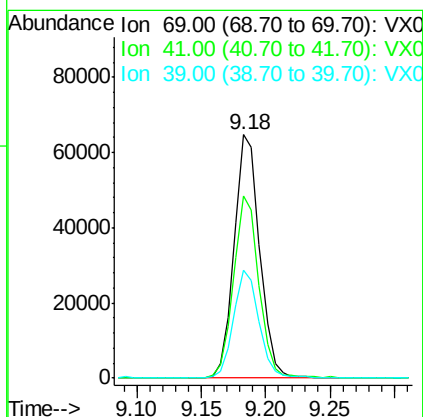
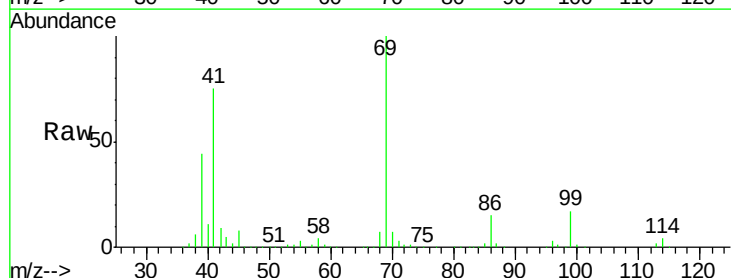
Manual Integrations
 APPROVED

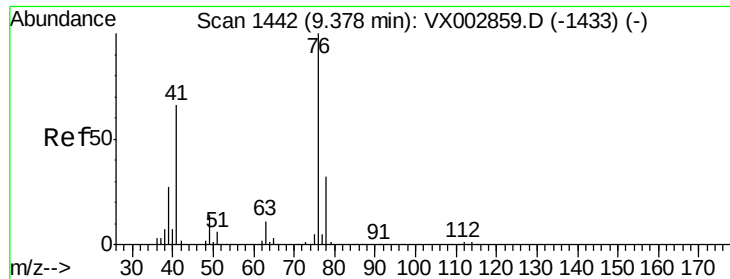
MMDadoda
 6/28/2018 2:26:30 PM



#56
 Ethyl methacrylate
 Concen: 19.60 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	69	Resp	89649
Ion	Ratio	Lower	Upper
69	100		
41	73.8	60.3	90.5
39	43.7	35.8	53.8





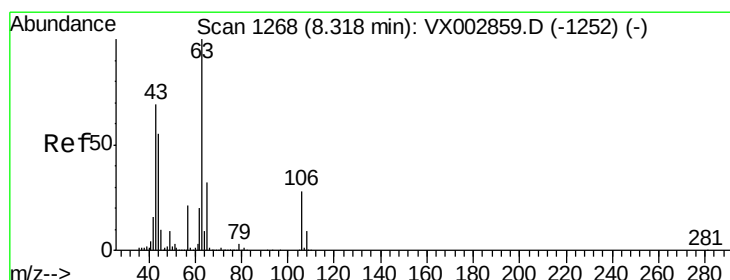
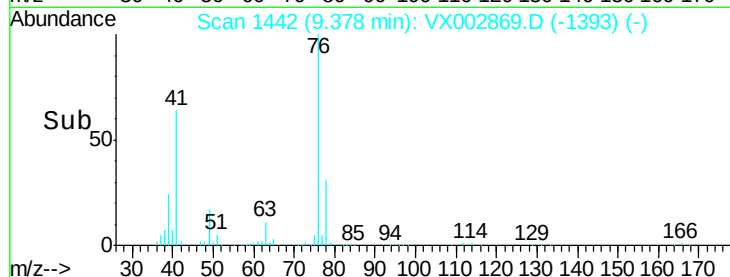
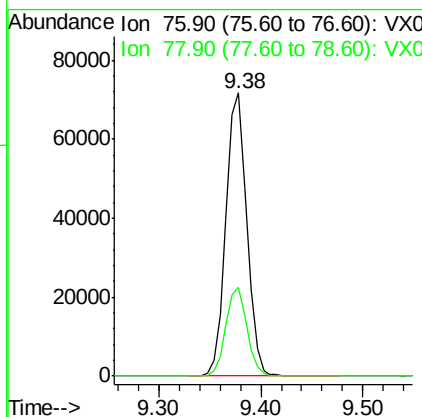
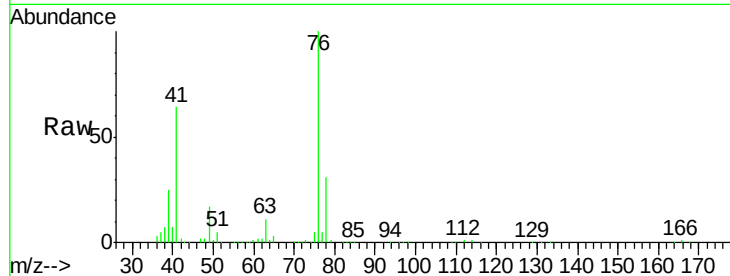
#57
 1,3-Dichloropropane
 Concen: 19.79 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion: 76 Resp: 101770
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

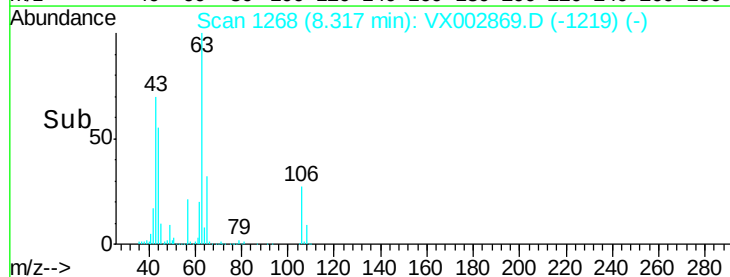
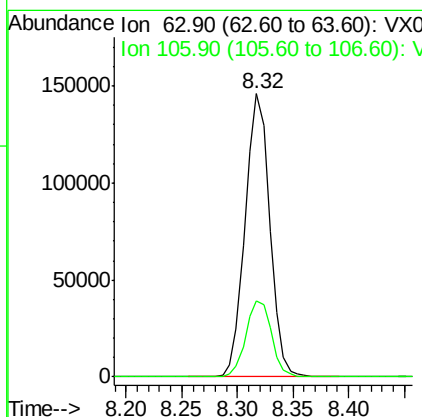
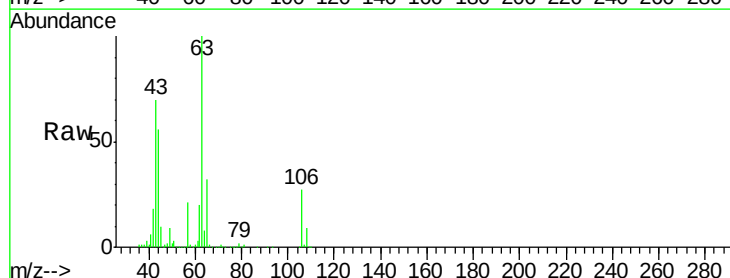
Manual Integrations
 APPROVED

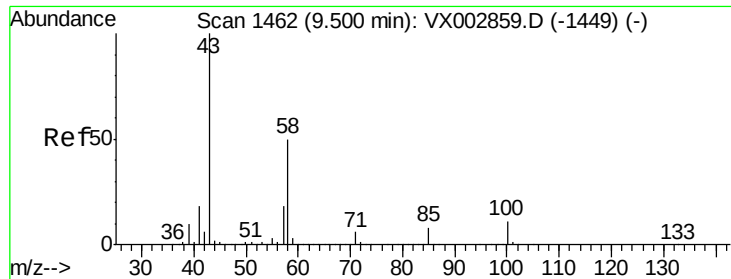
MMDadoda
 6/28/2018 2:26:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.92 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion: 63 Resp: 224943
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.8 32.8





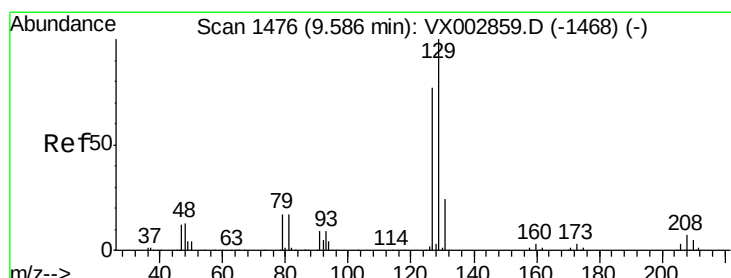
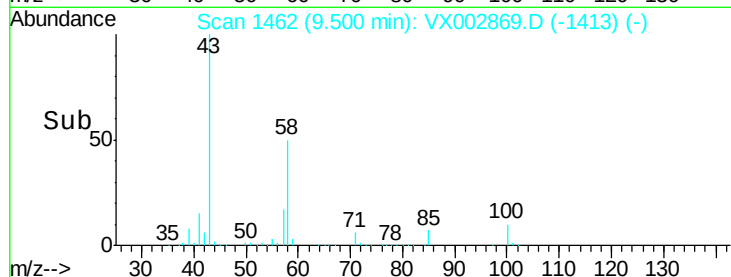
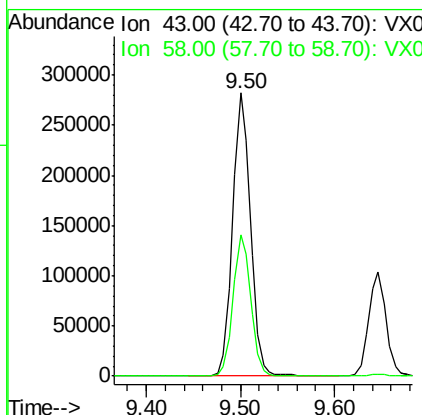
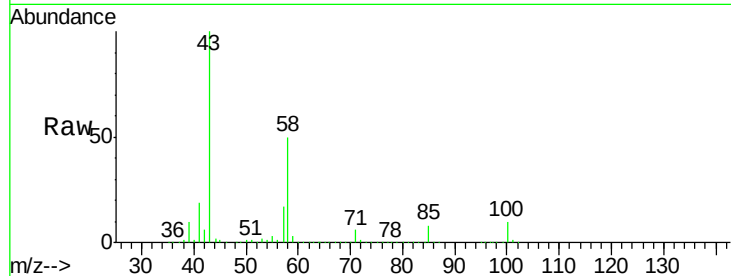
#59
2-Hexanone
Concen: 105.58 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.6	73.6

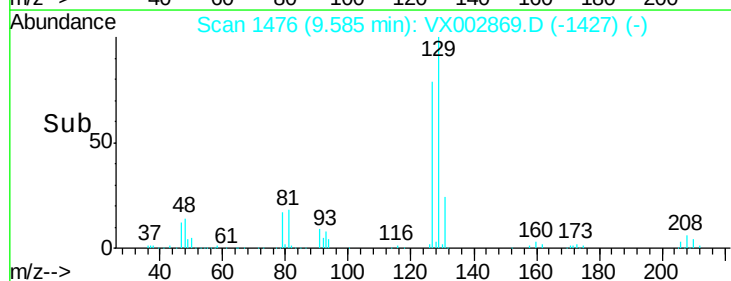
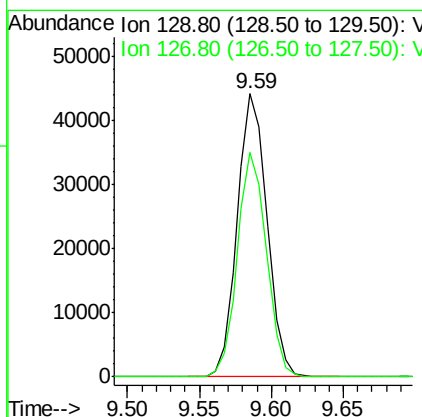
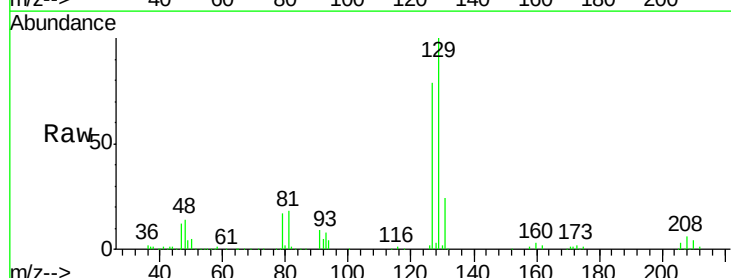
Manual Integrations
APPROVED

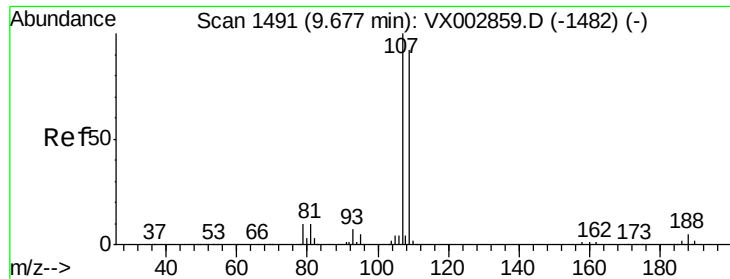
MMDadoda
6/28/2018 2:26:30 PM



#60
Dibromochloromethane
Concen: 19.31 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.78 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampled :

VX0625WBSD01

Tot Ion:107 Resp: 64949

Ion Ratio Lower Upper

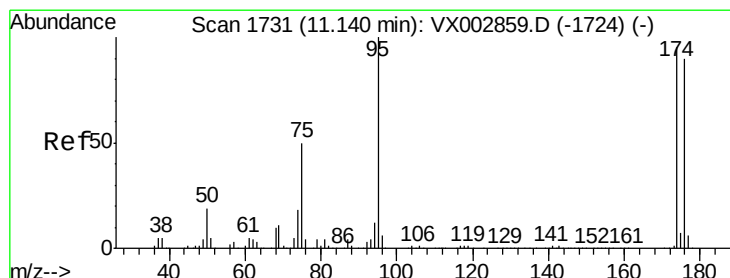
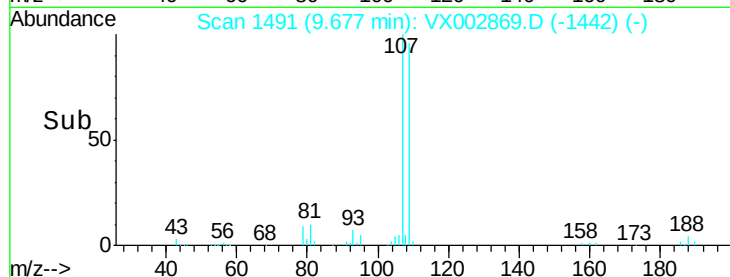
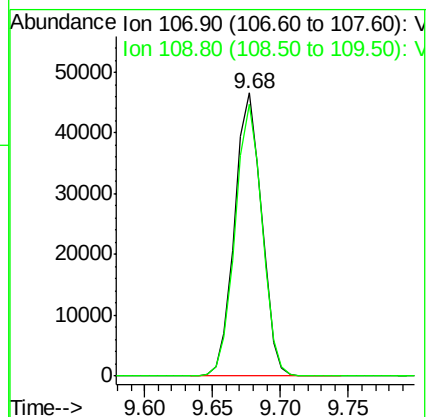
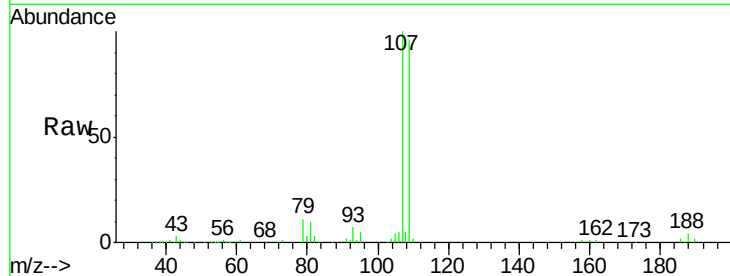
107 100

109 95.5 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

6/28/2018 2:26:30 PM



#62

4-Bromofluorobenzene

Concen: 47.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

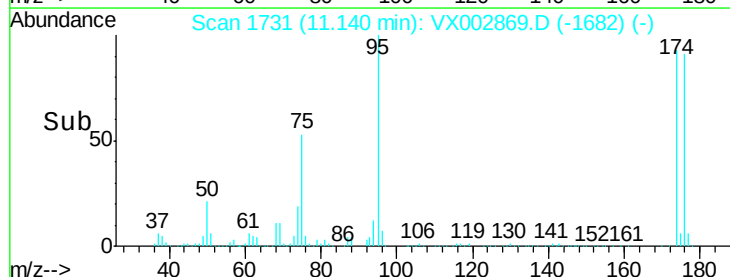
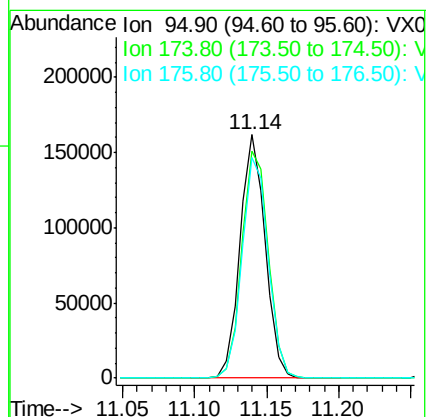
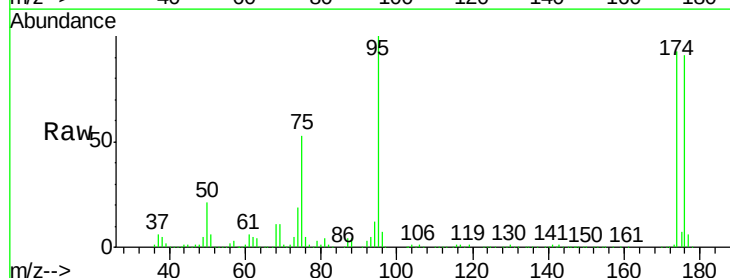
Tgt Ion: 95 Resp: 197087

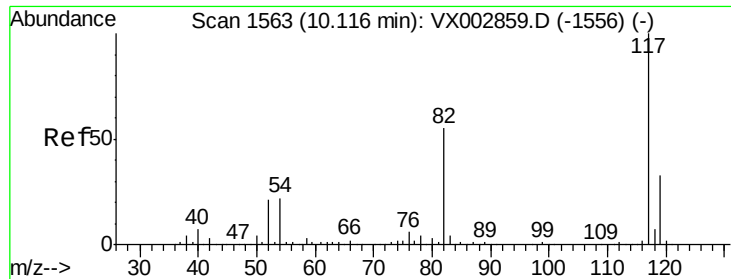
Ion Ratio Lower Upper

95 100

174 97.8 0.0 187.4

176 93.6 0.0 181.0





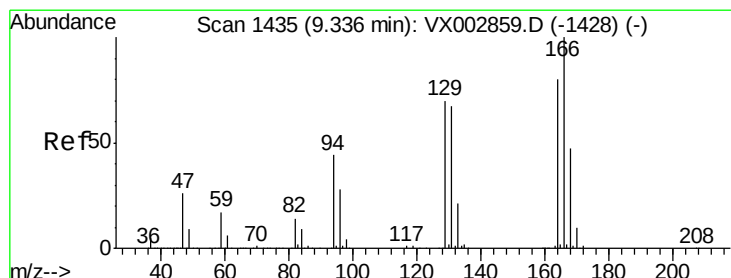
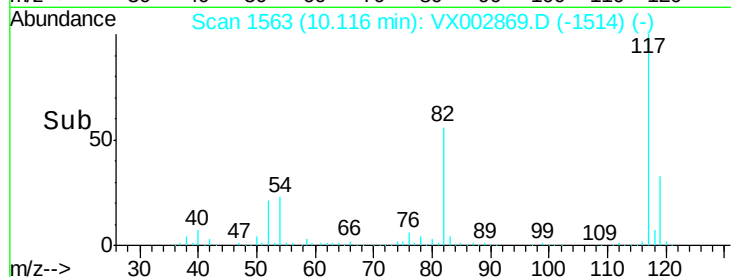
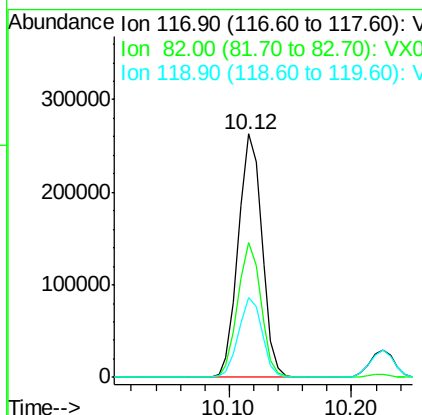
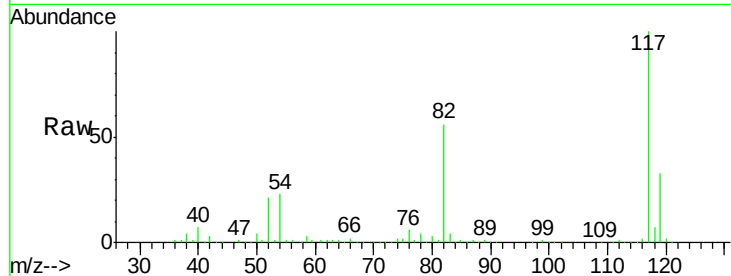
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.0	67.4
119	32.5	25.8	38.6

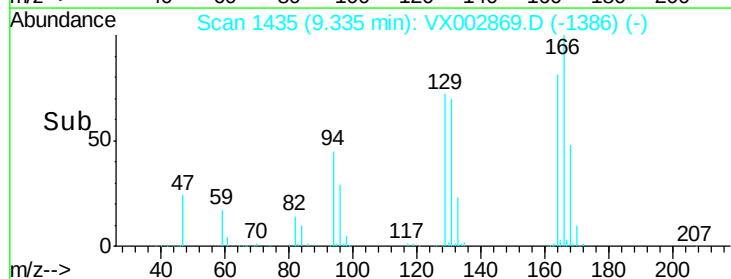
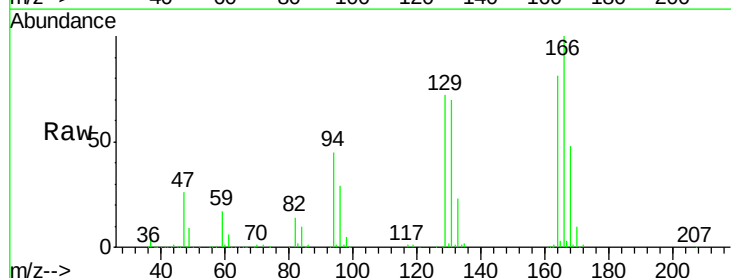
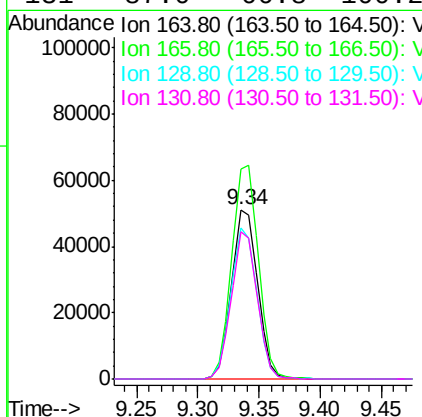
Manual Integrations
APPROVED

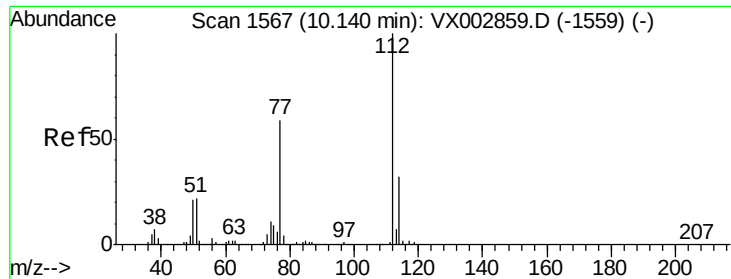
MMDadoda
6/28/2018 2:26:30 PM



#64
Tetrachloroethene
Concen: 19.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.9	154.3
129	89.1	68.6	102.8
131	87.0	66.8	100.2





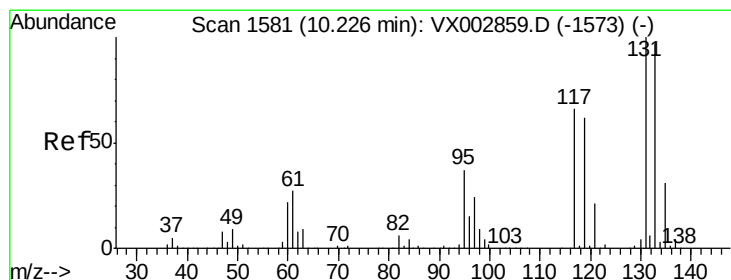
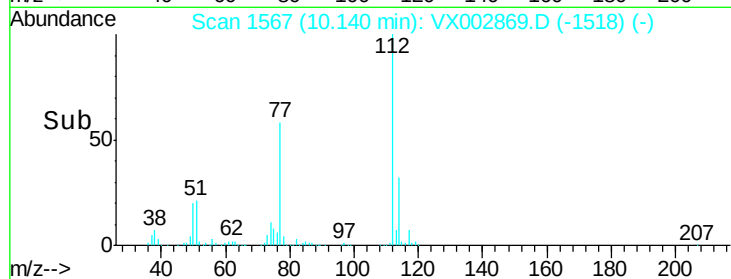
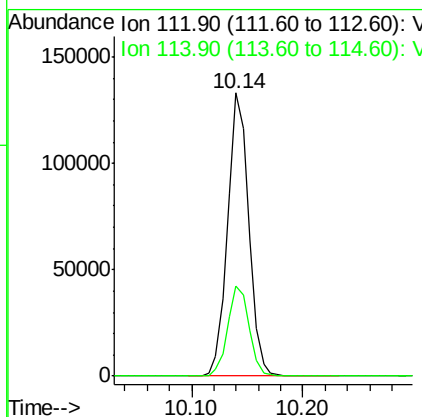
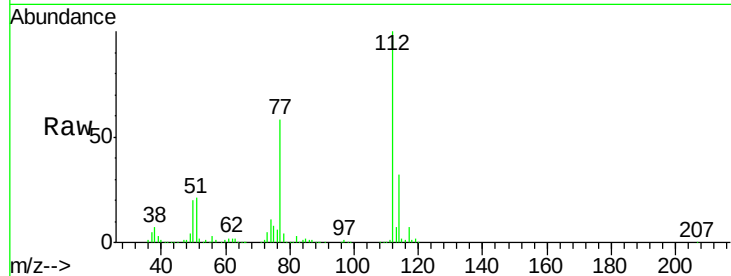
#65
Chlorobenzene
Concen: 19.58 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9

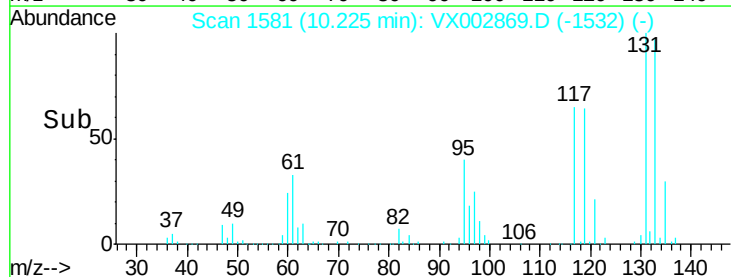
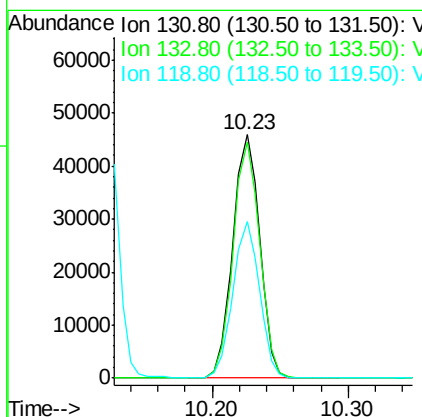
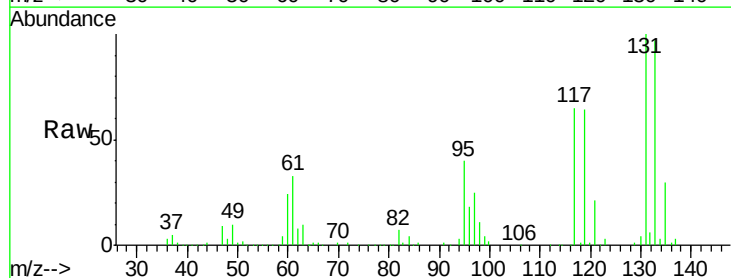
Manual Integrations
APPROVED

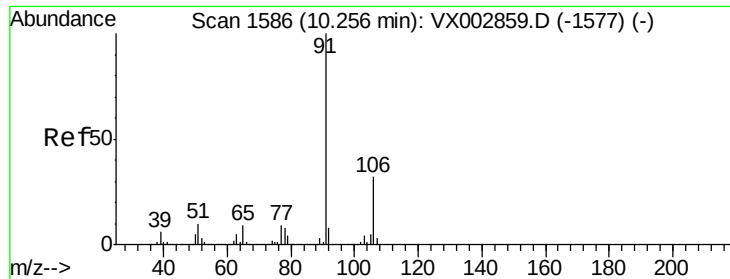
MMDadoda
6/28/2018 2:26:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.51 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	63.5	31.8	95.3





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 91 Resp: 293734

Ion Ratio Lower Upper

91 100

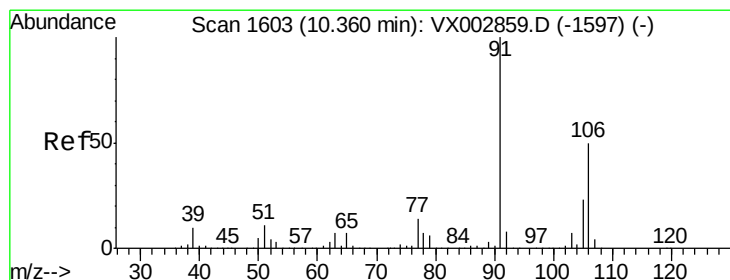
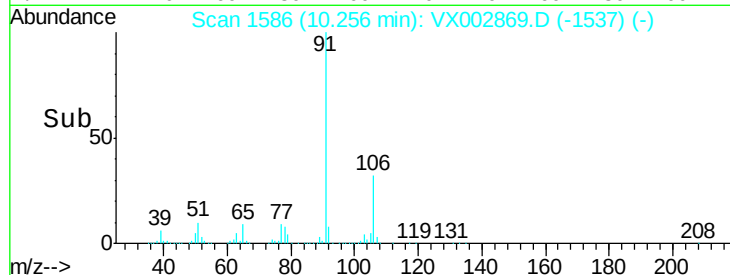
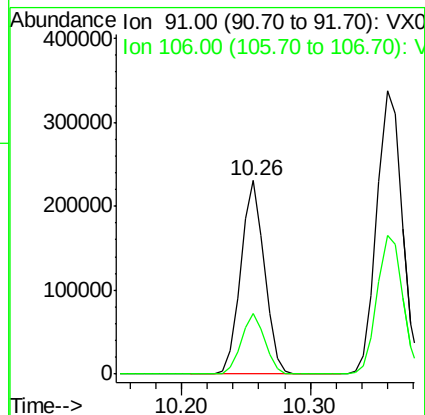
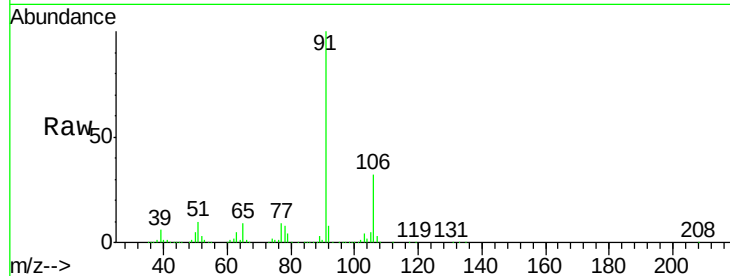
106 31.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

6/28/2018 2:26:30 PM



#68

m/p-Xylenes

Concen: 39.74 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX002869.D

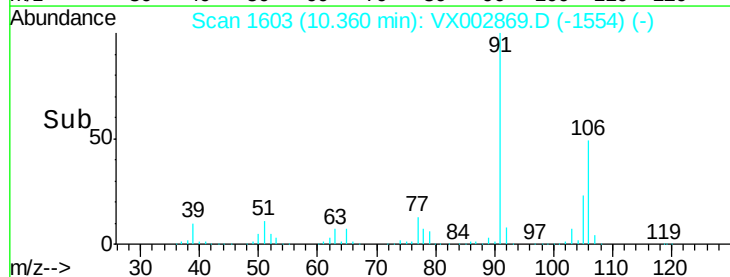
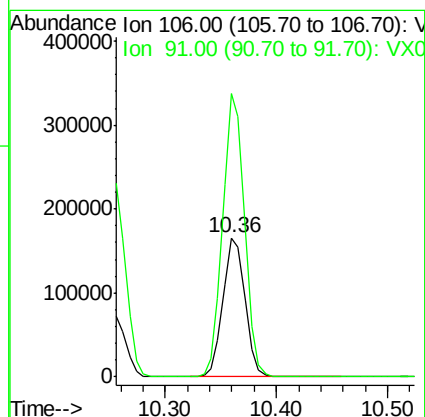
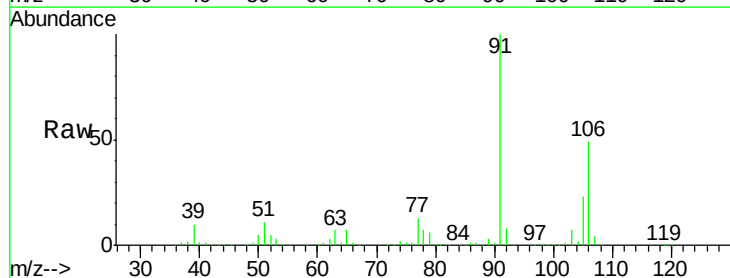
Acq: 25 Jun 2018 19:55

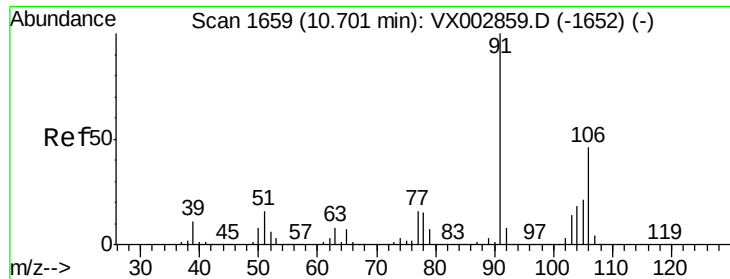
Tgt Ion: 106 Resp: 226653

Ion Ratio Lower Upper

106 100

91 202.1 163.4 245.2





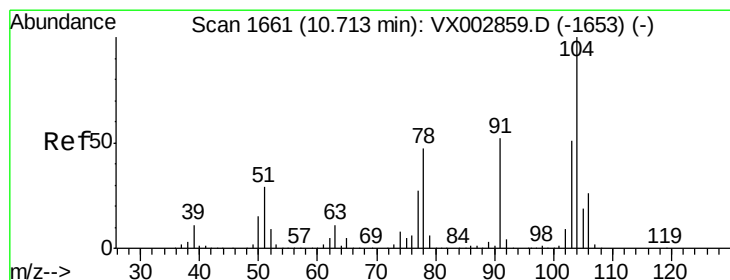
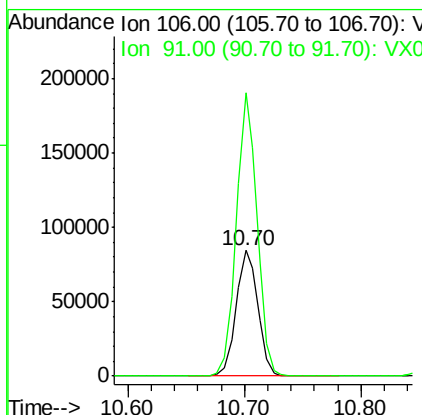
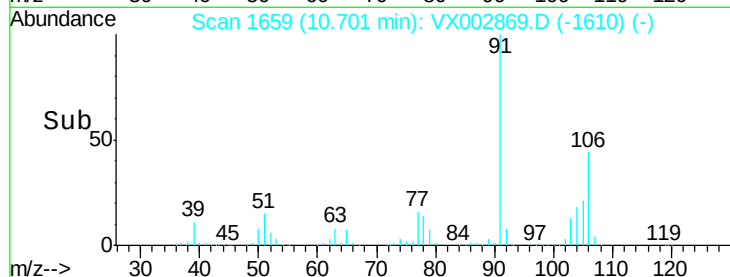
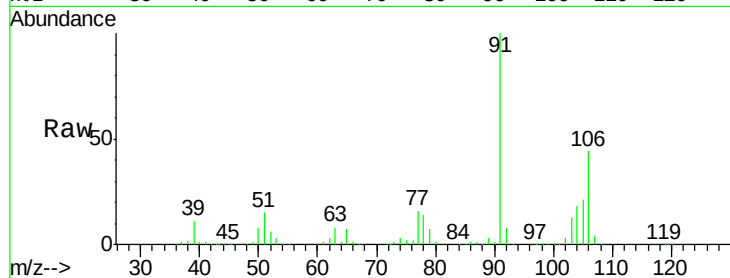
#69
o-Xylene
Concen: 19.75 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion:106 Resp: 109647
Ion Ratio Lower Upper
106 100
91 215.9 108.2 324.6

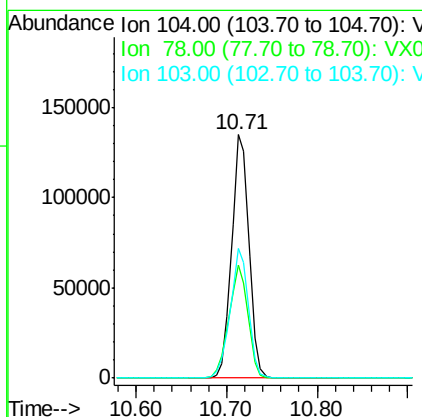
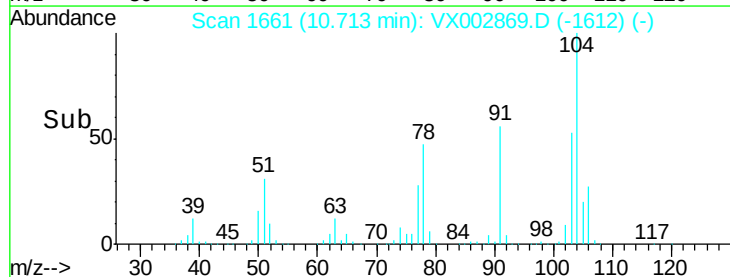
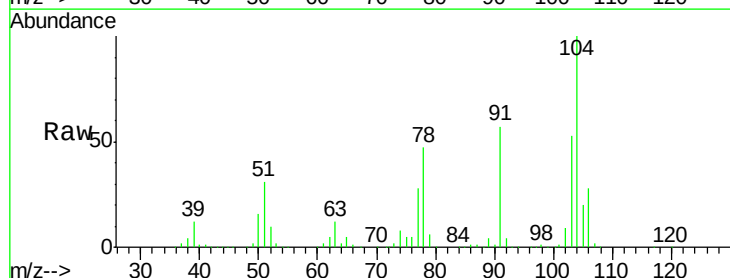
Manual Integrations
APPROVED

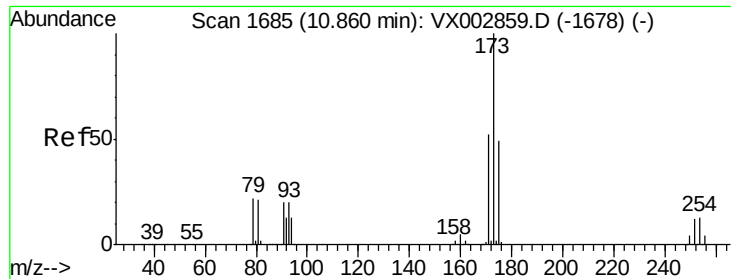
MMDadoda
6/28/2018 2:26:30 PM



#70
Styrene
Concen: 19.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion:104 Resp: 179309
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.6
103 56.0 44.2 66.4





#71

Bromoform

Concen: 19.02 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

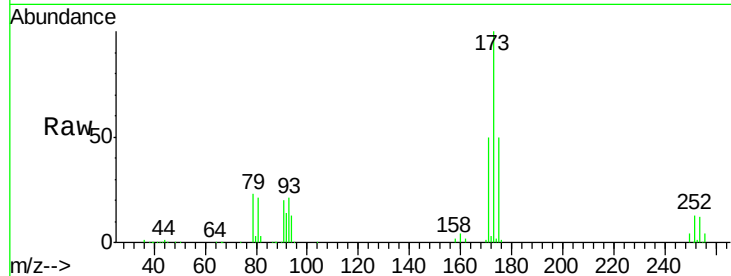
ClientSampleId :

VX0625WBSD01

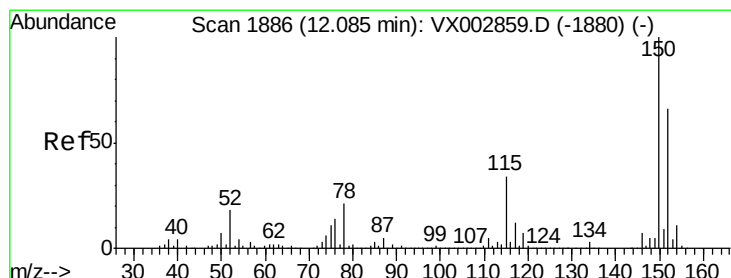
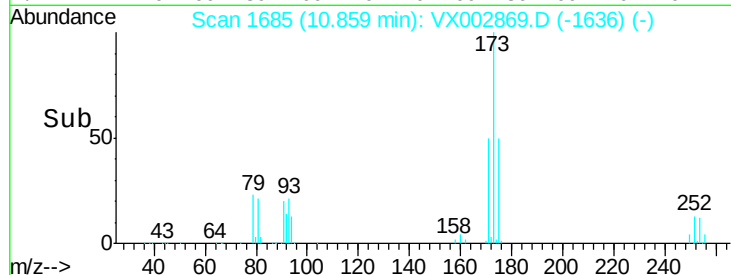
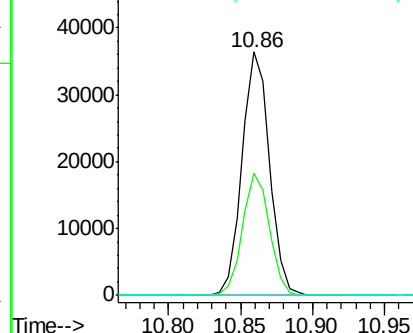
Tot Ion:	173	Resp:	48214
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 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

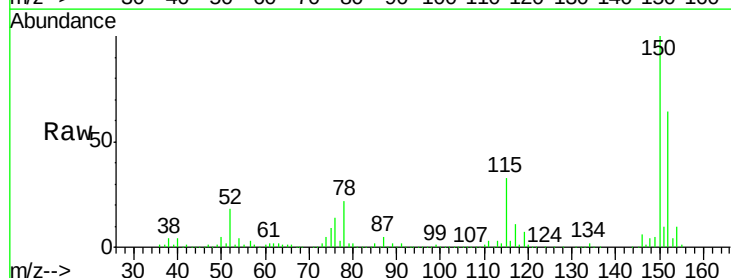
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

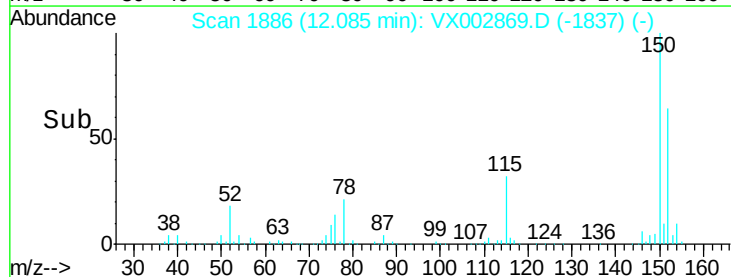
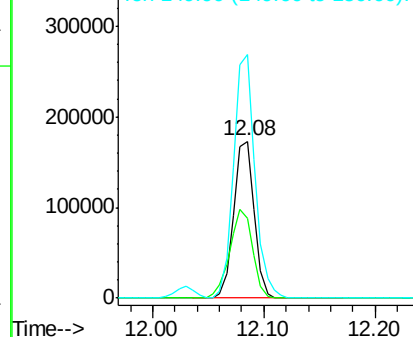
Lab File: VX002869.D

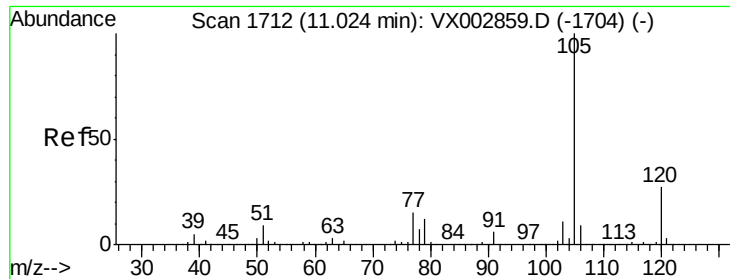
Acq: 25 Jun 2018 19:55

Tgt Ion:	152	Resp:	219288
Ion Ratio	Lower	Upper	
152	100		
115	63.0	40.1	120.2
150	161.9	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: 20.39 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleID :

VX0625WBSD01

Tot Ion: 105 Resp: 300756

Ion Ratio Lower Upper

105 100

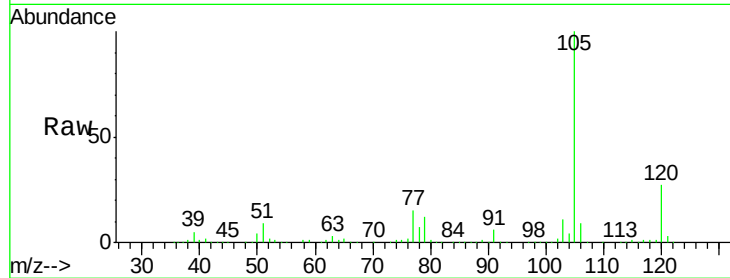
120 27.1 13.5 40.4

Manual Integrations

APPROVED

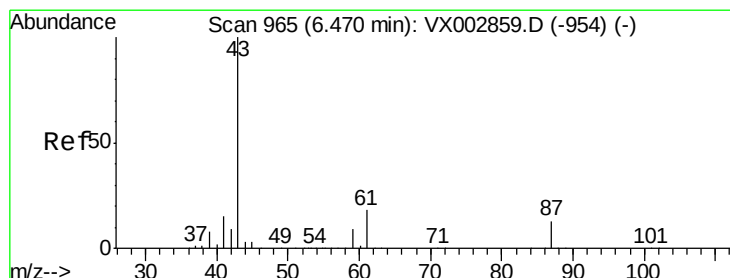
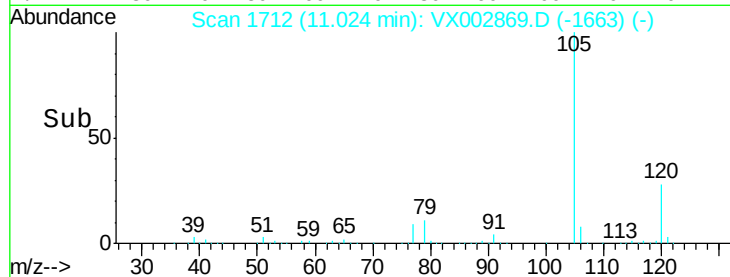
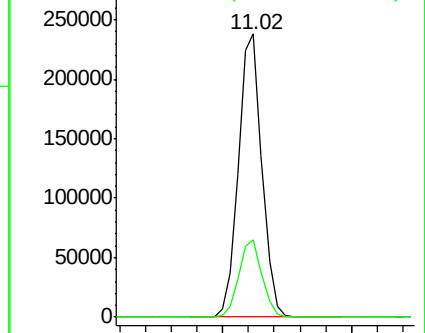
MMDadoda

6/28/2018 2:26:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.18 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion: 43 Resp: 145642

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

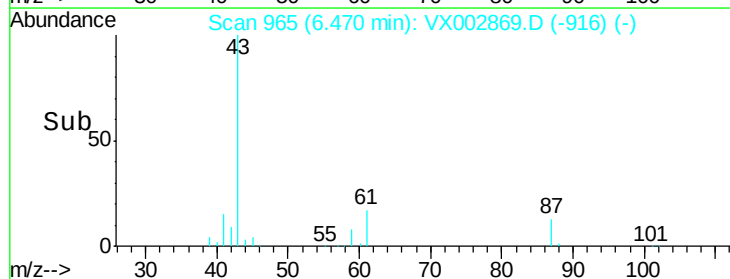
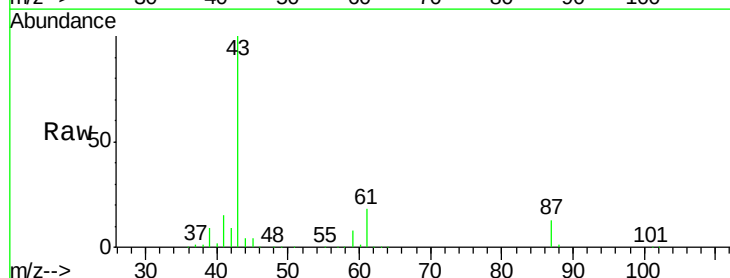
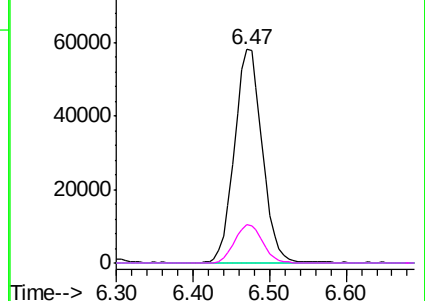
61 18.3 14.4 21.6

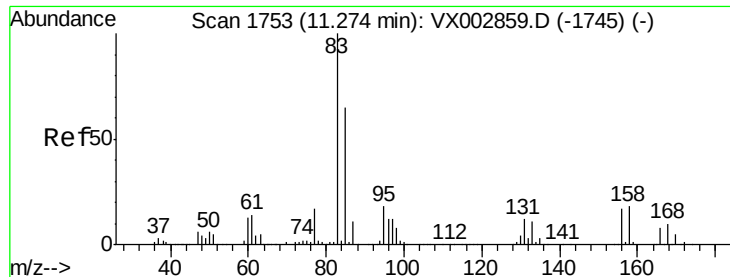
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.23 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

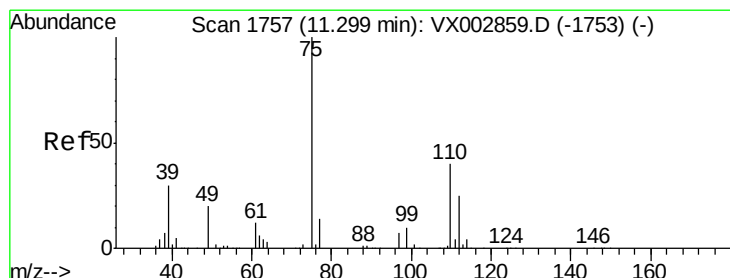
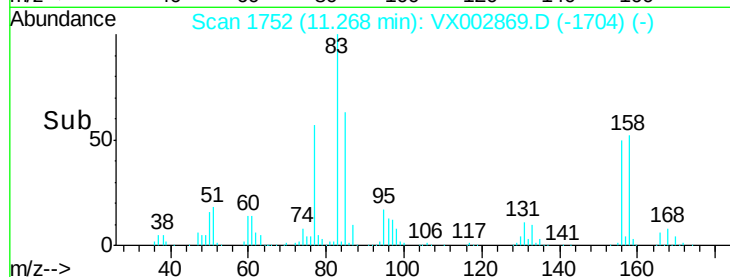
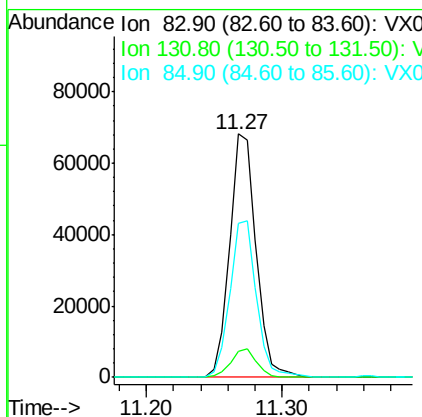
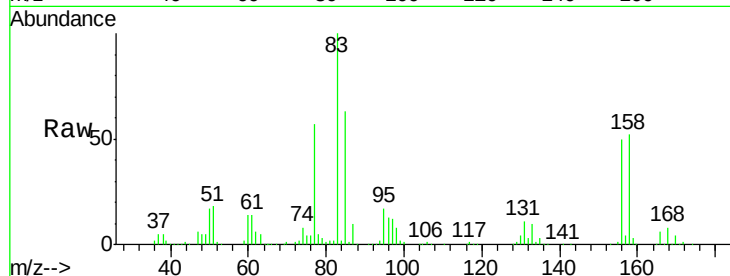
ClientSampleId :

VX0625WBSD01

Tot Ion:	83	Resp:	91952
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	64.7	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#76

1,2,3-Trichloropropane

Concen: 20.65 ug/l m

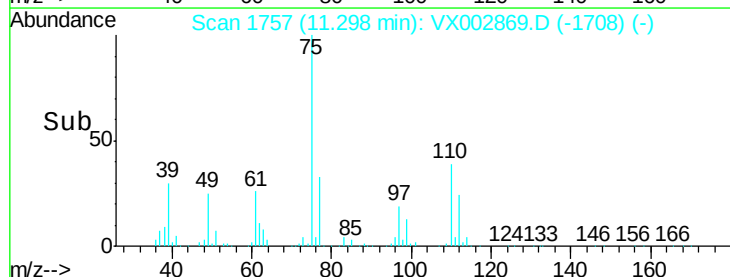
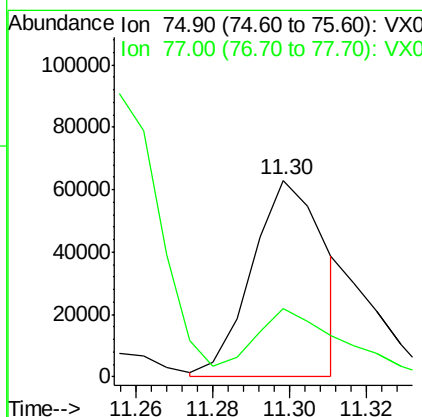
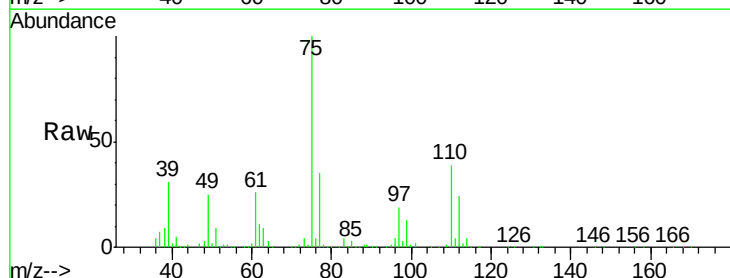
RT: 11.30 min Scan# 1757

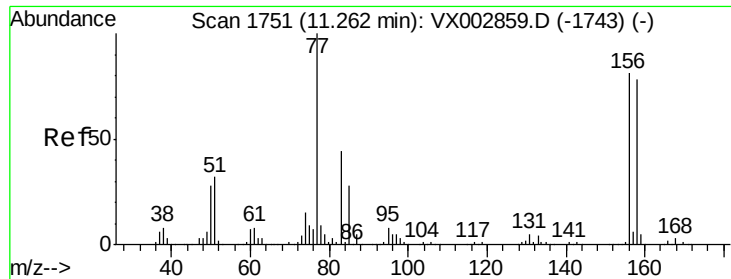
Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	75	Resp:	82036
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.8	68.3





#77

Bromobenzene

Concen: 19.52 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion:156 Resp: 82000

Ion Ratio Lower Upper

156 100

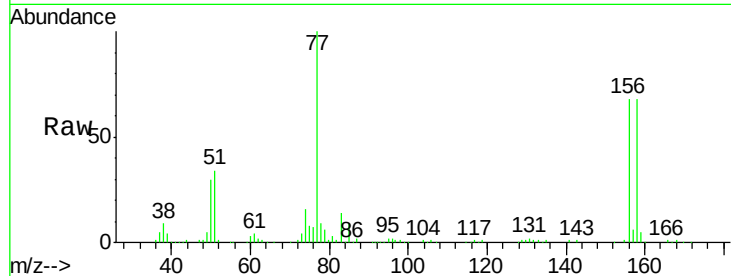
77 141.6 71.4 214.2

158 99.6 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

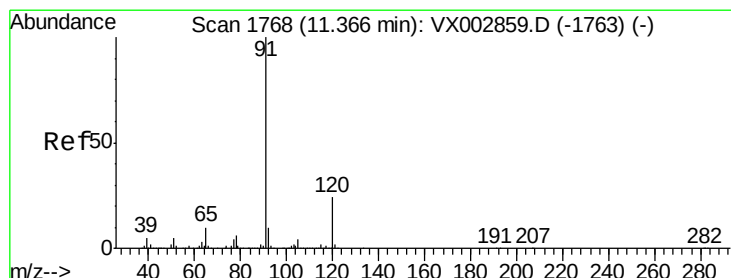
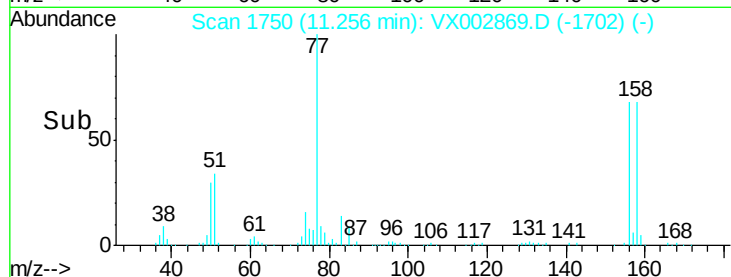
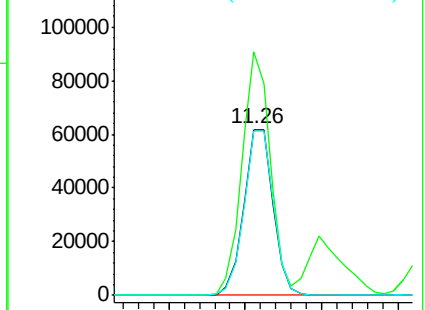
6/28/2018 2:26:30 PM



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: 20.19 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002869.D

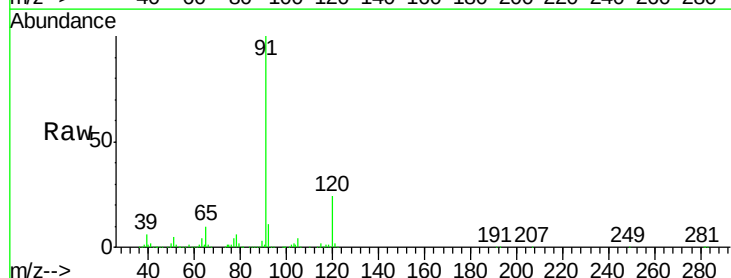
Acq: 25 Jun 2018 19:55

Tgt Ion: 91 Resp: 339029

Ion Ratio Lower Upper

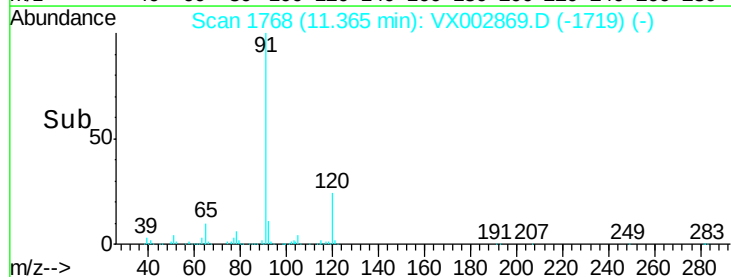
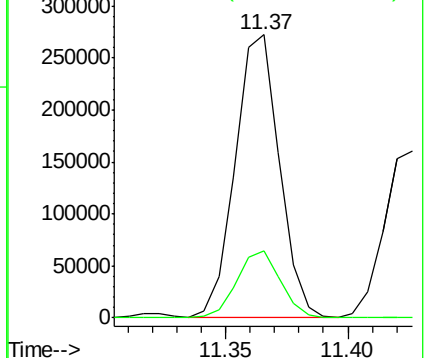
91 100

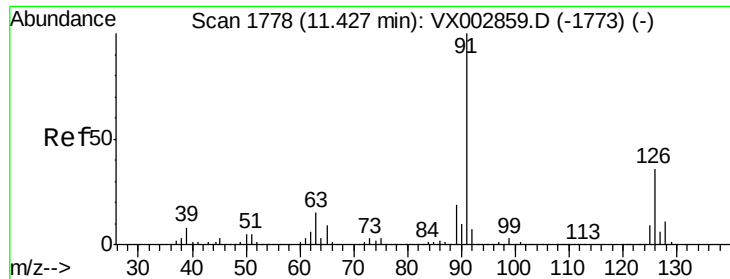
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.16 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 91 Resp: 204971

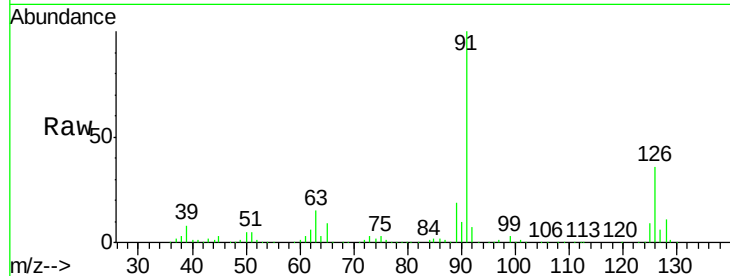
Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)

300000

250000

200000

150000

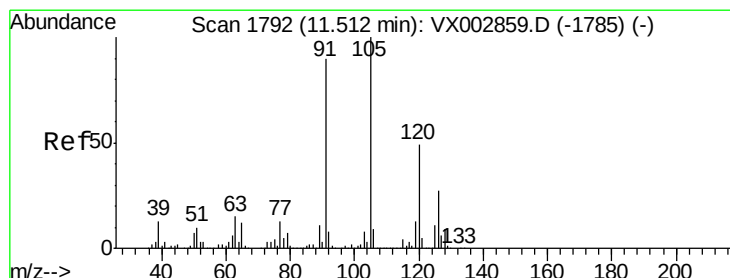
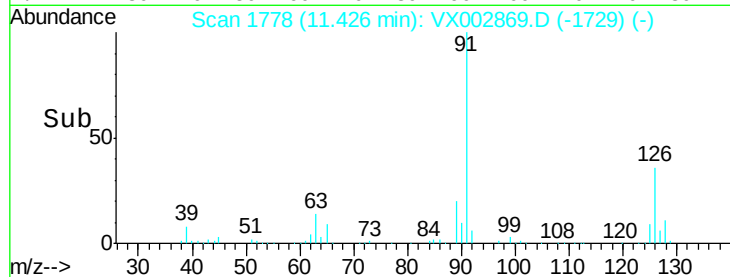
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002869.D

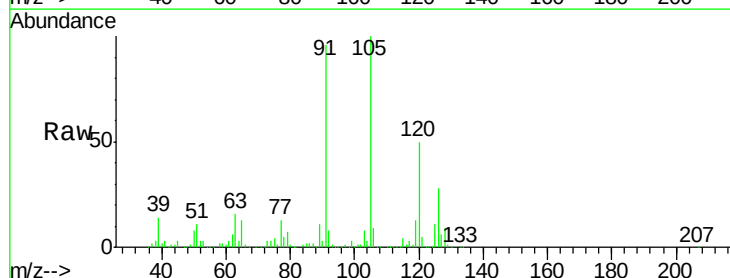
Acq: 25 Jun 2018 19:55

Tgt Ion: 105 Resp: 252524

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)

200000

150000

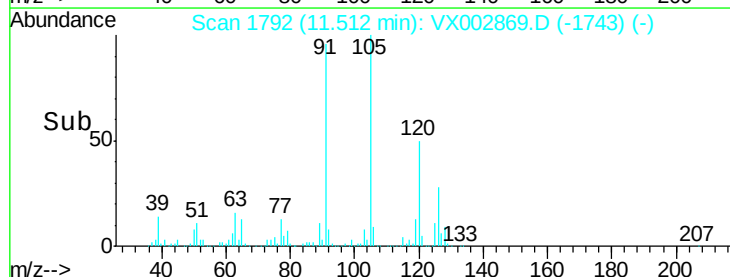
100000

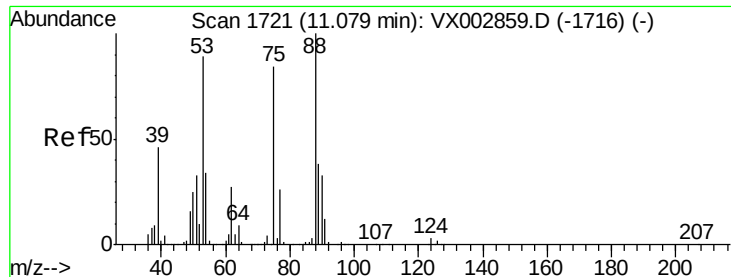
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.33 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 75 Resp: 21970

Ion Ratio Lower Upper

75 100

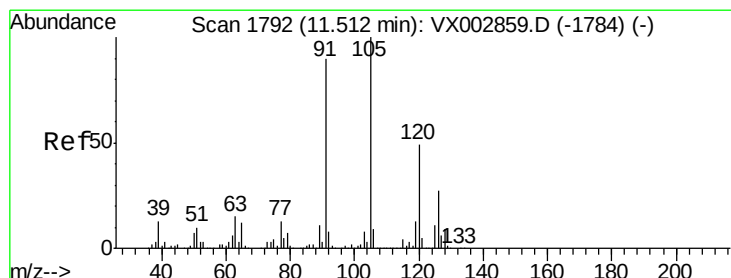
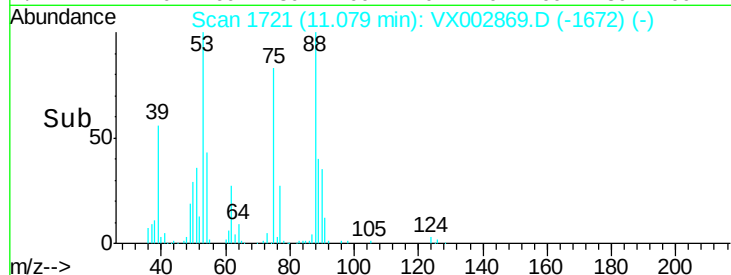
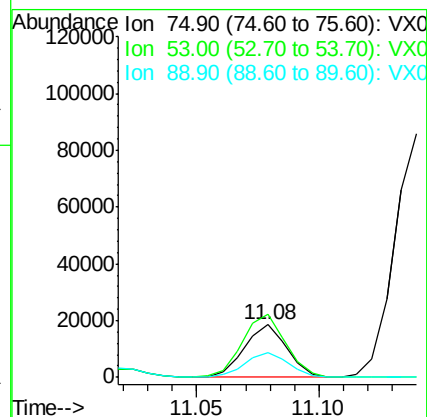
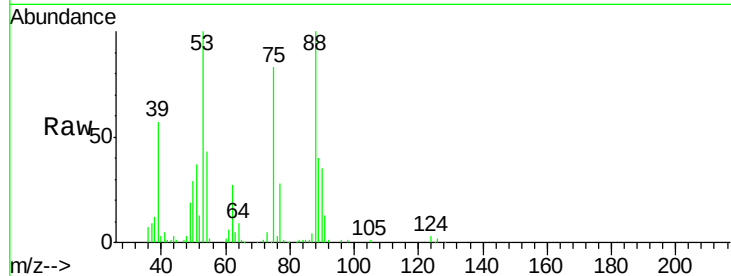
53 122.9 86.8 130.2

89 49.7 38.2 57.2

Manual Integrations
APPROVED

MMDadoda

6/28/2018 2:26:30 PM



#82

4-Chlorotoluene

Concen: 19.92 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002869.D

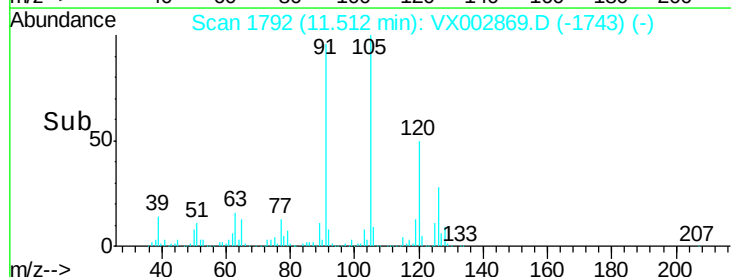
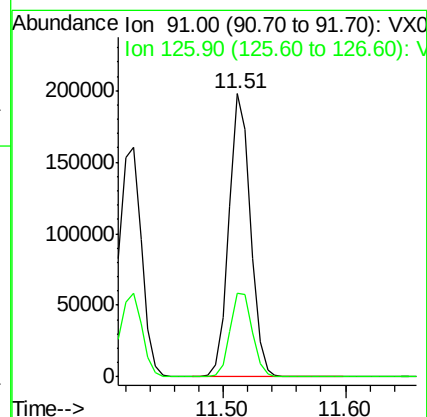
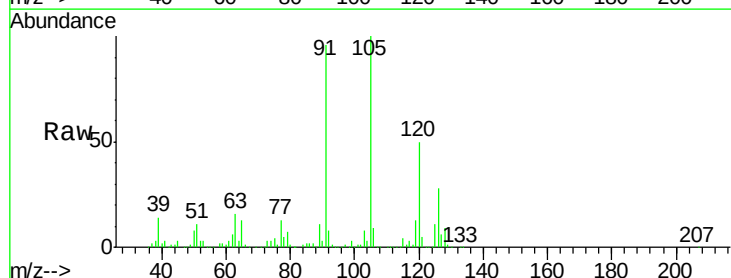
Acq: 25 Jun 2018 19:55

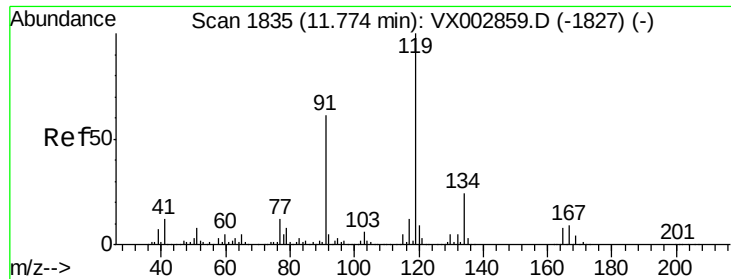
Tgt Ion: 91 Resp: 239709

Ion Ratio Lower Upper

91 100

126 30.9 15.4 46.4





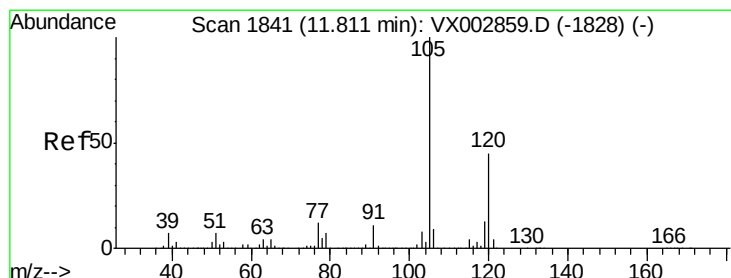
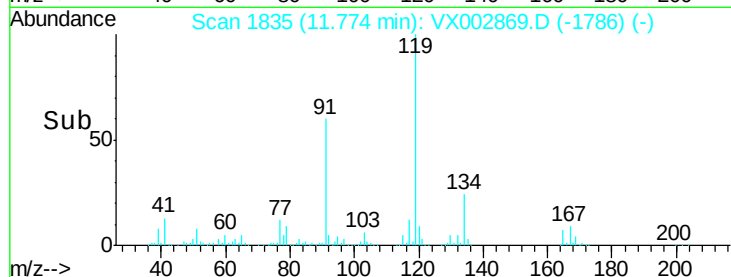
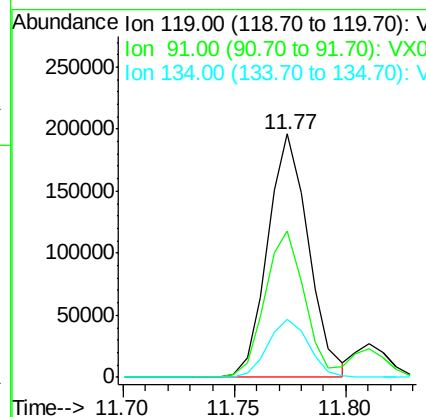
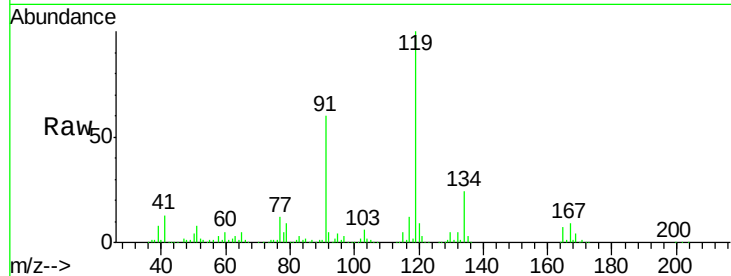
#83
 tert-Butylbenzene
 Concen: 20.44 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250297		
91	58.8		30.3	90.9
134	24.0		11.7	35.1

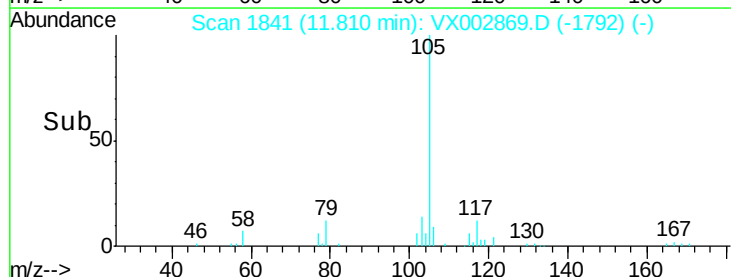
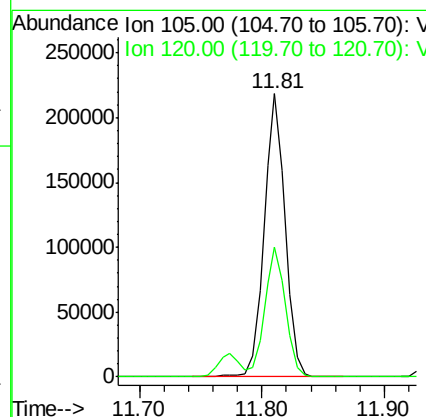
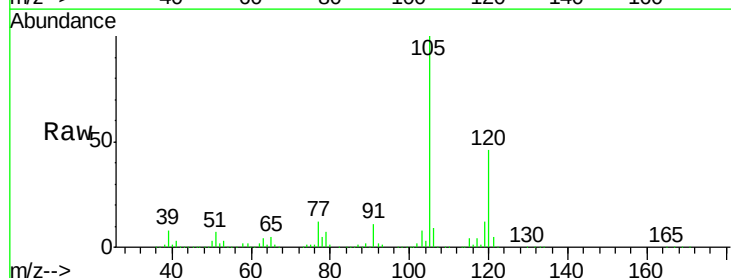
Manual Integrations
 APPROVED

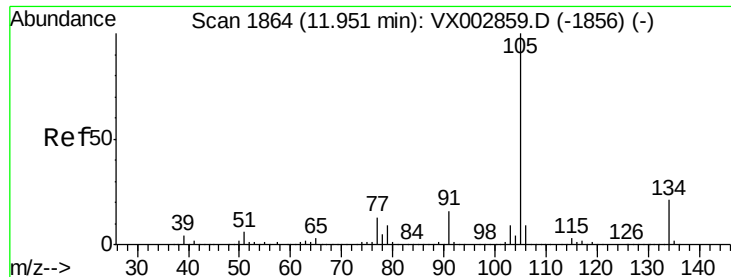
MMDadoda
 6/28/2018 2:26:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.28 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261115		
120	45.4		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.19 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

ClientSampled :

VX0625WBSD01

Tot Ion:105 Resp: 299967

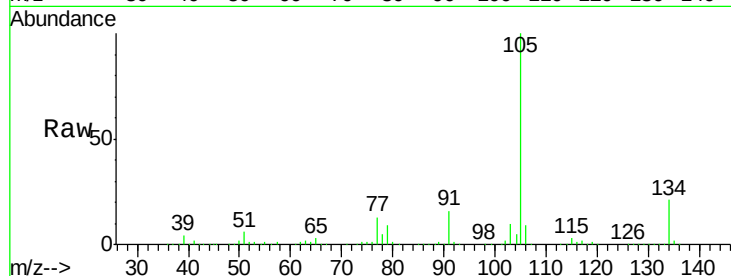
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1

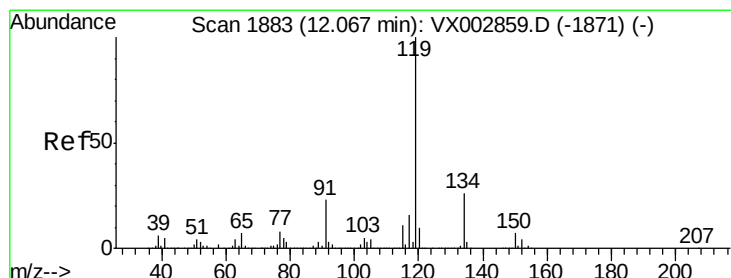
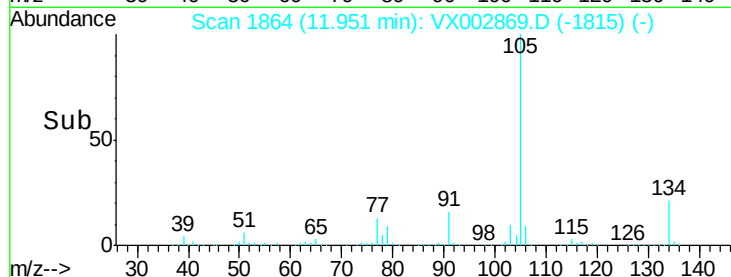
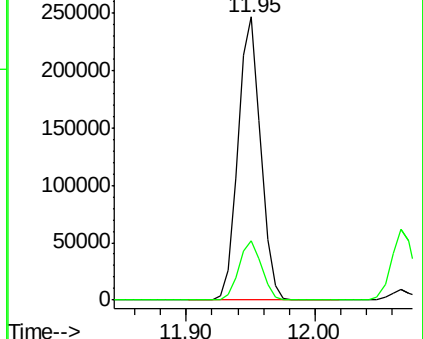
Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

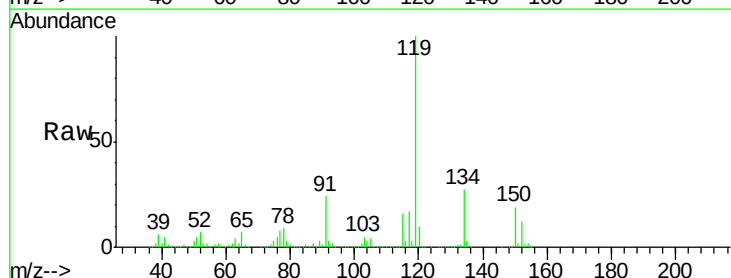
Tgt Ion:119 Resp: 268146

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

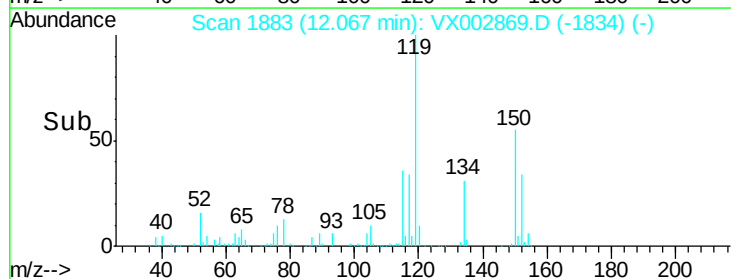
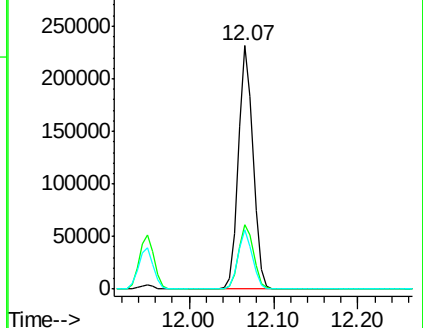
91 24.0 11.9 35.7

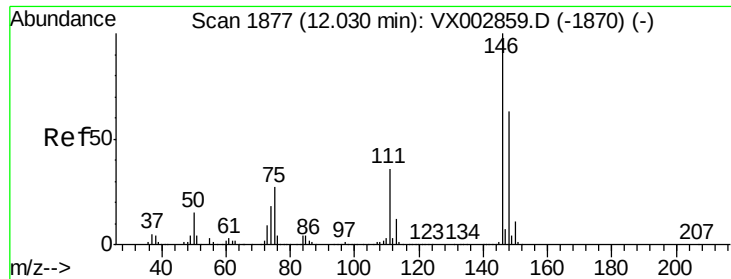


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





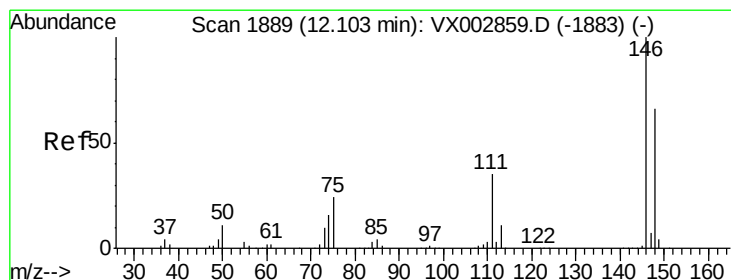
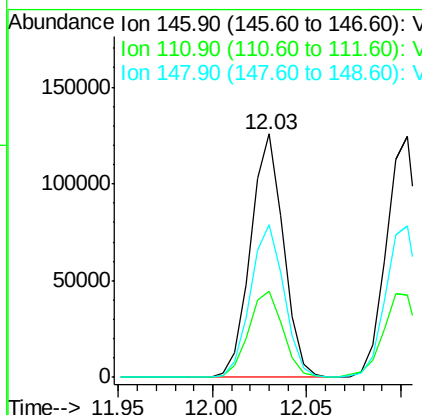
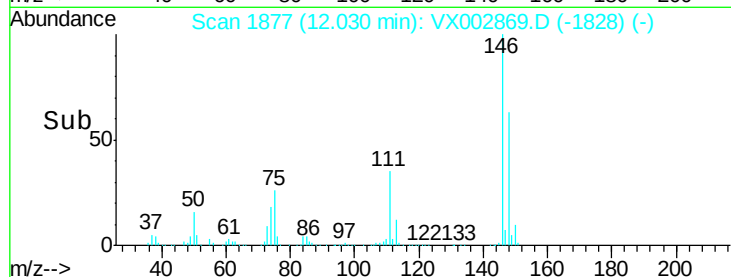
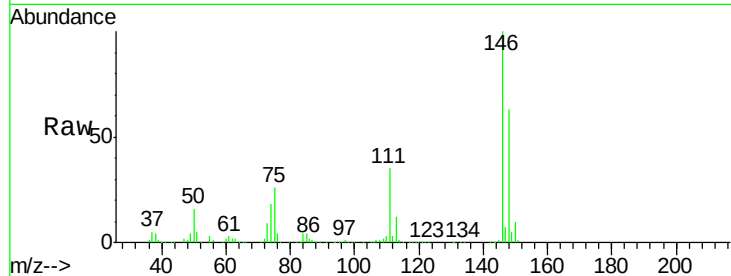
#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.7
148	64.2	32.1	96.3

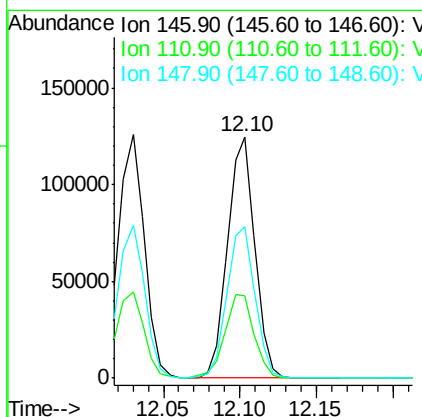
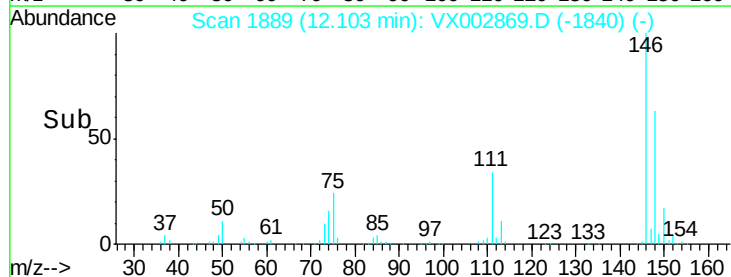
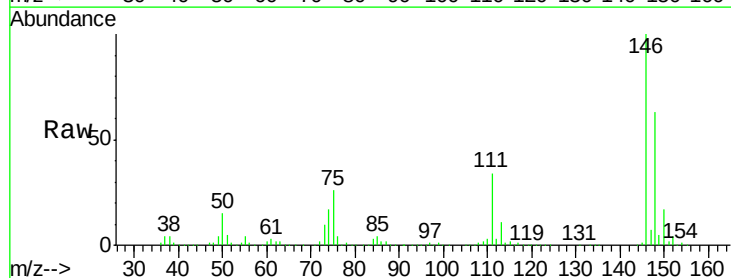
Manual Integrations
 APPROVED

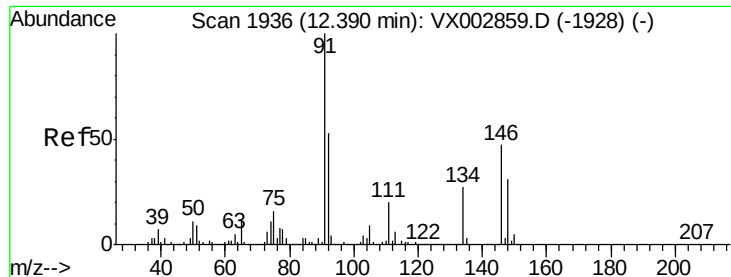
MMDadoda
 6/28/2018 2:26:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	64.4	32.4	97.0





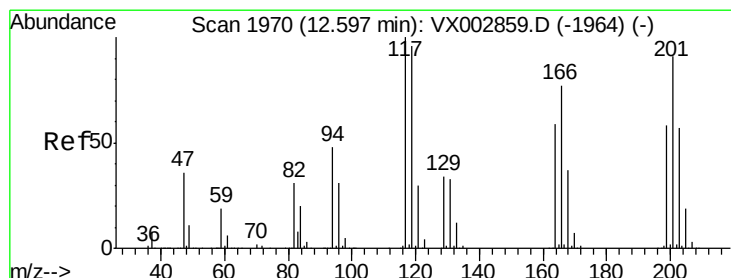
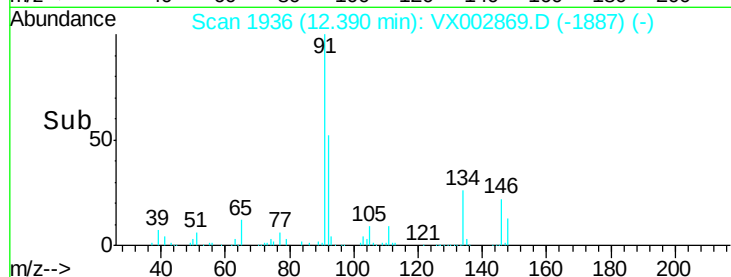
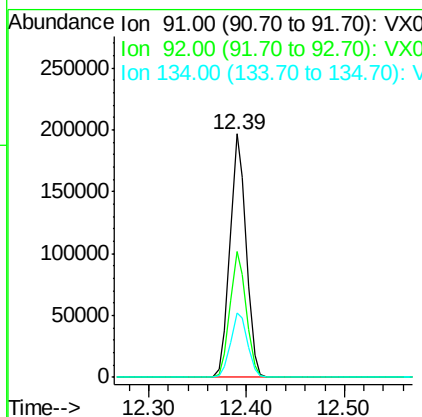
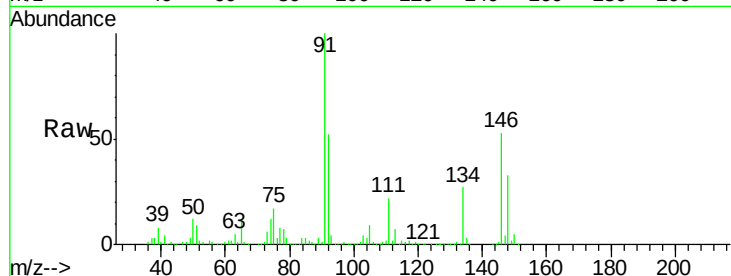
#89
n-Butylbenzene
Concen: 19.51 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.3	13.5	40.5

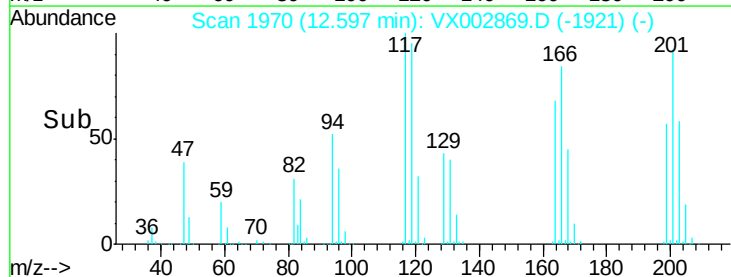
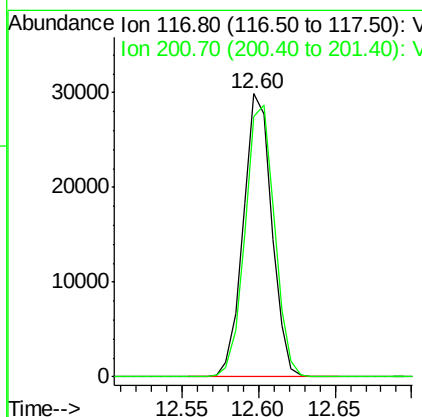
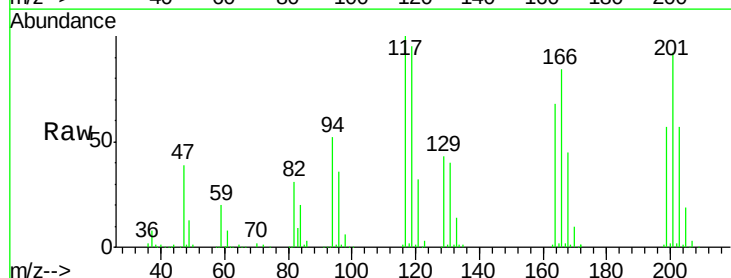
Manual Integrations
APPROVED

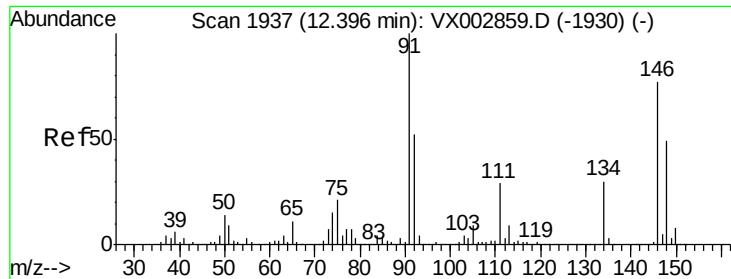
MMDadoda
6/28/2018 2:26:30 PM



#90
Hexachloroethane
Concen: 19.48 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002869.D
Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.8	49.0	147.0





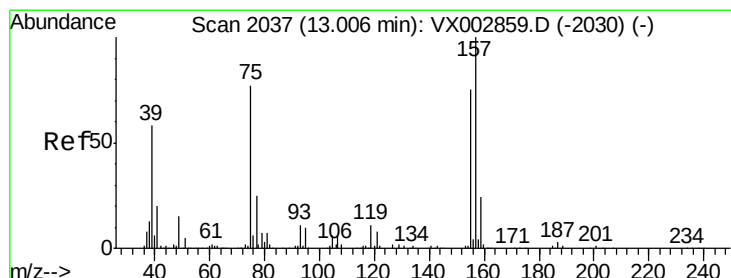
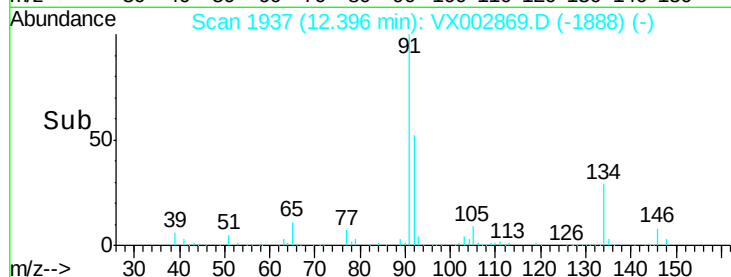
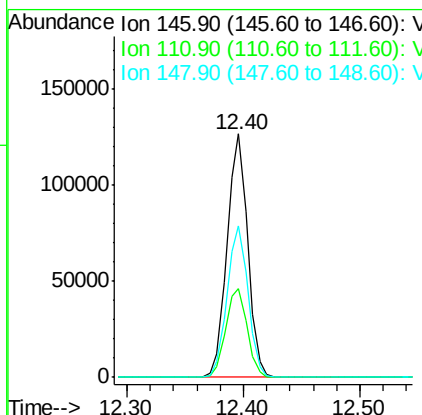
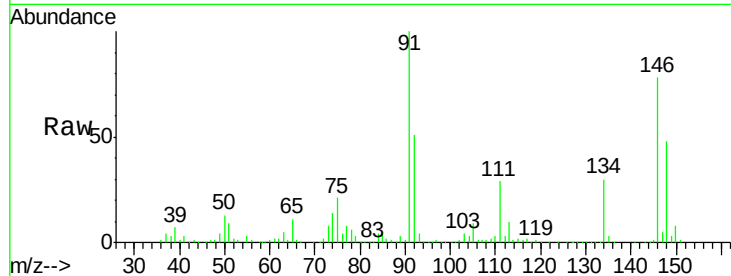
#91
 1,2-Dichlorobenzene
 Concen: 20.02 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	63.2	31.7	95.1

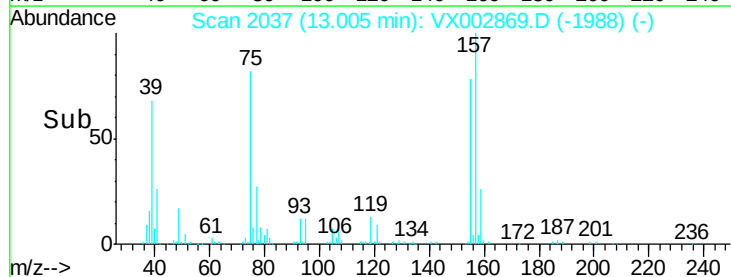
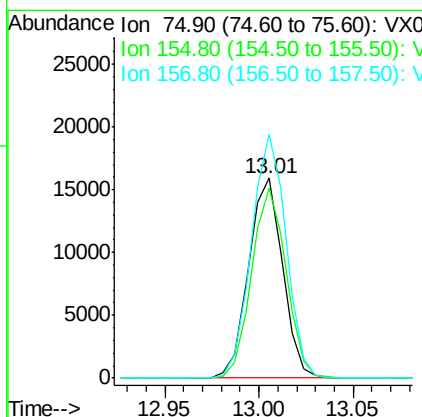
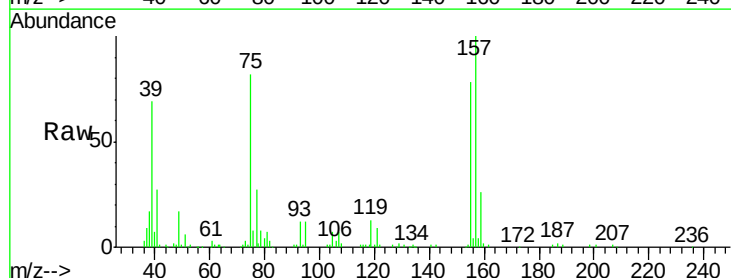
Manual Integrations
 APPROVED

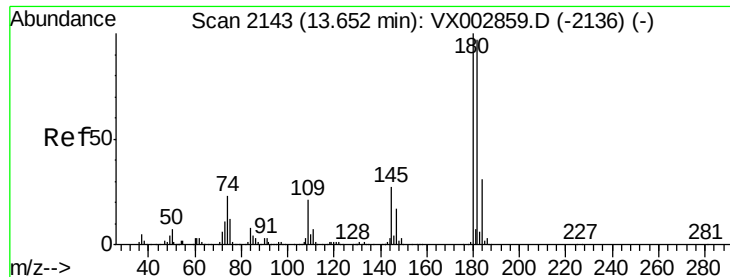
MMDadoda
 6/28/2018 2:26:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.45 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	45.8	137.4
157	124.1	60.1	180.3





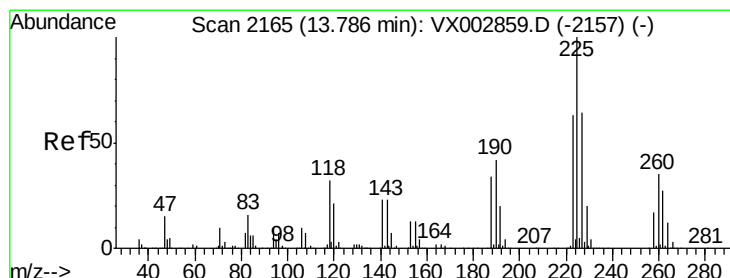
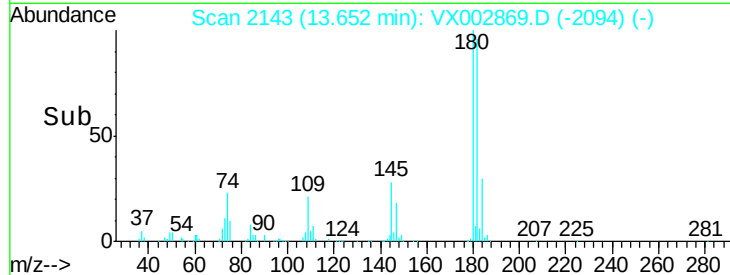
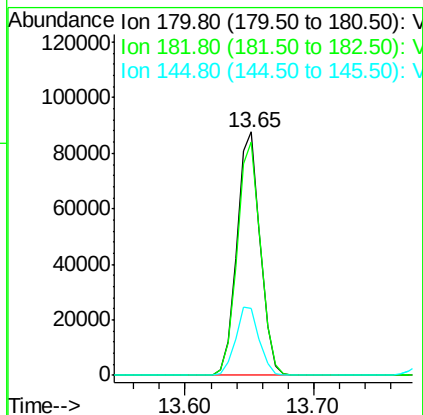
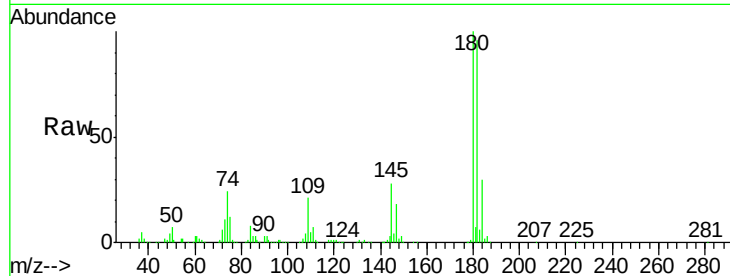
#93
 1,2,4-Trichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109935		
182	95.9	47.7	143.1	
145	28.6	14.1	42.4	

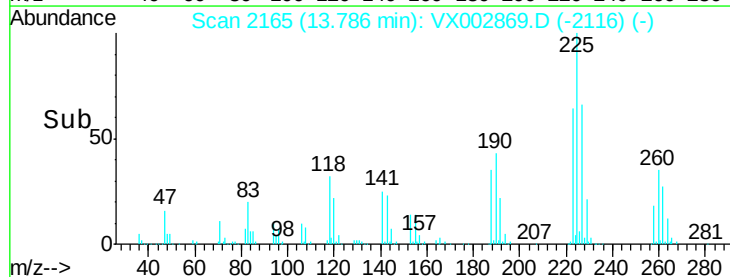
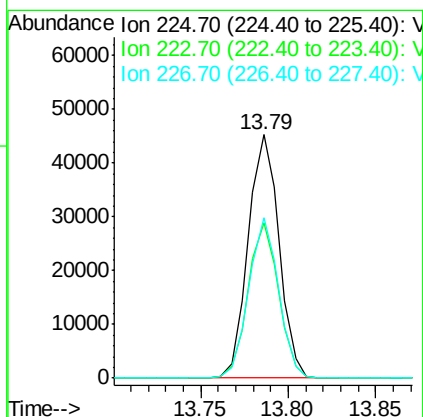
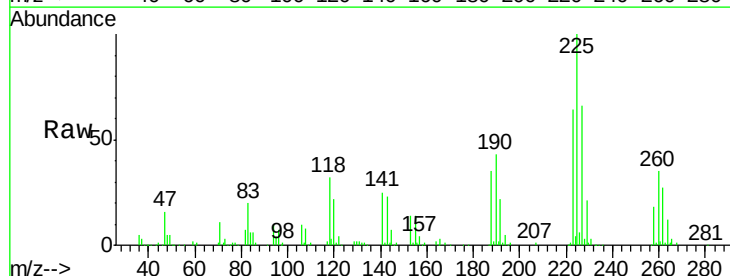
Manual Integrations
 APPROVED

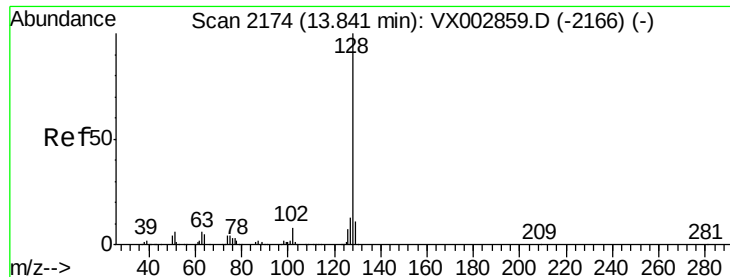
MMDadoda
 6/28/2018 2:26:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.72 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002869.D
 Acq: 25 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55443		
223	63.1	31.6	95.0	
227	63.8	32.4	97.2	





#95

Naphthalene

Concen: 20.73 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Instrument :

MSVOA_X

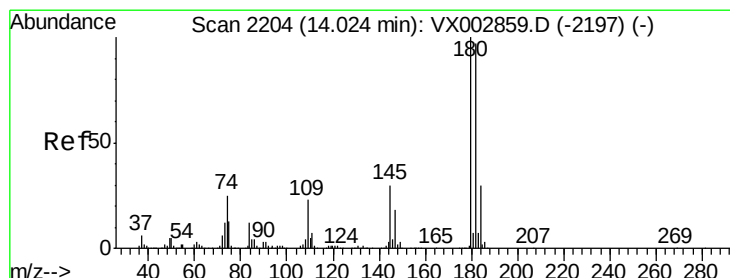
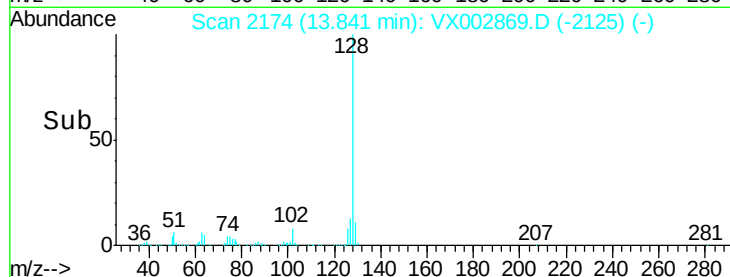
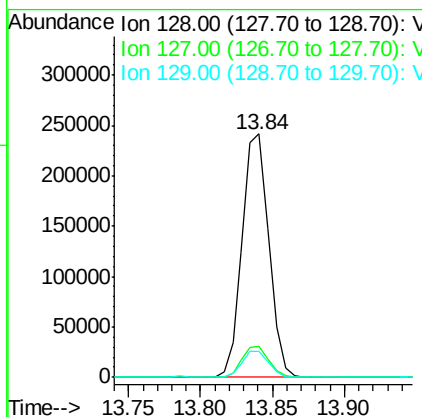
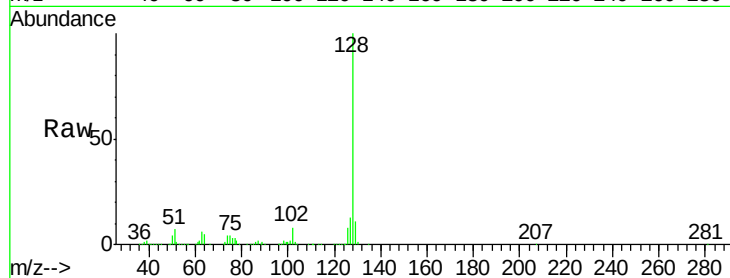
ClientSampleId :

VX0625WBSD01

Tot Ion:	128	Resp:	311163
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.01 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002869.D

Acq: 25 Jun 2018 19:55

Tgt Ion:	180	Resp:	112622
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.0
145	29.4	14.8	44.3

