

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003295.D
 Acq On : 10 Jul 2018 20:09
 Operator : JC/MD
 Sample : VX0710MBSD01
 Misc : 5.0µ/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 3:09:27 PM

Quant Time: Jul 11 01:21:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296421	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188182	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.51	113	158555	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	8.72	98	580938	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.14	95	213027	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	75301	21.00	ug/l	99
3) Chloromethane	1.32	50	64508	19.78	ug/l	99
4) Vinyl Chloride	1.40	62	65940	19.70	ug/l	100
5) Bromomethane	1.64	94	24134	24.51	ug/l	98
6) Chloroethane	1.72	64	37111	20.02	ug/l	99
7) Trichlorofluoromethane	1.93	101	99613	20.02	ug/l	99
8) Diethyl Ether	2.19	74	35539	19.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57302	19.67	ug/l	96
10) Methyl Iodide	2.51	142	53505	20.41	ug/l	96
11) Tert butyl alcohol	3.08	59	79585	118.25	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51394	19.39	ug/l	91
13) Acrolein	2.30	56	47657	87.87	ug/l	99
14) Allyl chloride	2.73	41	93989	19.14	ug/l	95
15) Acrylonitrile	3.15	53	155465	103.45	ug/l	99
16) Acetone	2.45	43	147541	111.95	ug/l	95
17) Carbon Disulfide	2.57	76	134932	18.32	ug/l	98
18) Methyl Acetate	2.78	43	89713	24.13	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	177555	20.05	ug/l	99
20) Methylene Chloride	2.86	84	60187	21.89	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	55518	19.65	ug/l	90
22) Diisopropyl ether	3.88	45	185745	18.60	ug/l	99
23) Vinyl Acetate	3.83	43	811636	95.71	ug/l	100
24) 1,1-Dichloroethane	3.70	63	105104	20.22	ug/l	99
25) 2-Butanone	4.72	43	253722	108.80	ug/l	98
26) 2,2-Dichloropropane	4.59	77	69737	15.34	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	67313	19.38	ug/l	92
28) Bromochloromethane	5.03	49	52699	20.12	ug/l	90
29) Tetrahydrofuran	5.17	42	161788	106.89	ug/l	97
30) Chloroform	5.22	83	116840	20.43	ug/l	99
31) Cyclohexane	5.58	56	95635	19.64	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	102896	20.40	ug/l	98
36) 1,1-Dichloropropene	5.81	75	80804	19.26	ug/l	97
37) Ethyl Acetate	4.87	43	93963	20.43	ug/l	97
38) Carbon Tetrachloride	5.79	117	92187	20.08	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003295.D
 Acq On : 10 Jul 2018 20:09
 Operator : JC/MD
 Sample : VX0710MBSD01
 Misc : 5.0µl/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0710MBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 3:09:27 PM

Quant Time: Jul 11 01:21:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92922	18.80	ug/l	98
40) Benzene	6.15	78	254293	20.45	ug/l	100
41) Methacrylonitrile	5.07	41	52398	20.81	ug/l	96
42) 1,2-Dichloroethane	6.20	62	94917	20.43	ug/l	98
43) Isopropyl Acetate	6.48	43	146398	20.27	ug/l	97
44) Trichloroethene	7.22	130	75218	20.46	ug/l	97
45) 1,2-Dichloropropane	7.52	63	65022	20.11	ug/l	96
46) Dibromomethane	7.67	93	44069	20.00	ug/l	93
47) Bromodichloromethane	7.90	83	82767	20.36	ug/l	100
48) Methyl methacrylate	7.79	41	77679	20.97	ug/l	93
49) 1,4-Dioxane	7.76	88	33825	436.65	ug/l #	80
51) 4-Methyl-2-Pentanone	8.65	43	489388	108.82	ug/l	96
52) Toluene	8.79	92	161595	20.56	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	91448	19.11	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	83595	19.20	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	66698	20.45	ug/l	97
56) Ethyl methacrylate	9.19	69	91437	20.47	ug/l	92
57) 1,3-Dichloropropane	9.38	76	105898	20.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	271648	126.08	ug/l	97
59) 2-Hexanone	9.50	43	380653	111.44	ug/l	96
60) Dibromochloromethane	9.59	129	69078	20.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	71033	20.78	ug/l	99
64) Tetrachloroethene	9.34	164	89788	21.27	ug/l	99
65) Chlorobenzene	10.14	112	186961	19.71	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	69303	20.25	ug/l	99
67) Ethyl Benzene	10.26	91	301036	19.62	ug/l	100
68) m/p-Xylenes	10.36	106	241460	40.45	ug/l	97
69) o-Xylene	10.70	106	115291	19.94	ug/l	97
70) Styrene	10.71	104	190582	20.33	ug/l	97
71) Bromoform	10.86	173	54936	19.51	ug/l	100
73) Isopropylbenzene	11.02	105	316225	20.28	ug/l	99
74) N-amyl acetate	6.48	43	146398	19.68	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	96213	19.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	84581m	19.82	ug/l	
77) Bromobenzene	11.26	156	91816	20.40	ug/l	94
78) n-propylbenzene	11.37	91	349832	20.18	ug/l	98
79) 2-Chlorotoluene	11.43	91	212127	20.09	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	266605	20.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	22327	17.10	ug/l	99
82) 4-Chlorotoluene	11.51	91	244750	19.85	ug/l	97
83) tert-Butylbenzene	11.77	119	255568	19.71	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	273152	20.55	ug/l	97
85) sec-Butylbenzene	11.95	105	309662	20.20	ug/l	99
86) p-Isopropyltoluene	12.07	119	275338	19.72	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	161575	19.57	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	161576	19.33	ug/l	99
89) n-Butylbenzene	12.39	91	222348	19.06	ug/l	99
90) Hexachloroethane	12.60	117	39692	18.62	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	161610	19.49	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20791	20.04	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
Data File : VX003295.D
Acq On : 10 Jul 2018 20:09
Operator : JC/MD
Sample : VX0710MBSD01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

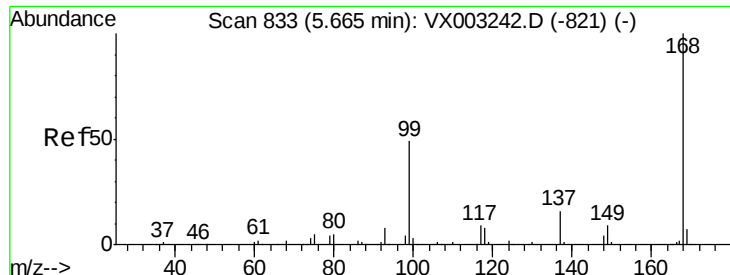
Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM

Quant Time: Jul 11 01:21:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112387	18.62	ug/l	100
94) Hexachlorobutadiene	13.79	225	58224	19.38	ug/l	99
95) Naphthalene	13.84	128	320266	20.29	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117451	19.52	ug/l	99

(#) = 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: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion:168 Resp: 235881

Ion Ratio Lower Upper

168 100

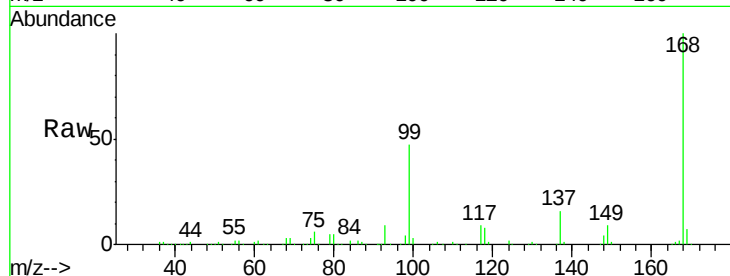
99 47.2 39.3 58.9

Manual Integrations

APPROVED

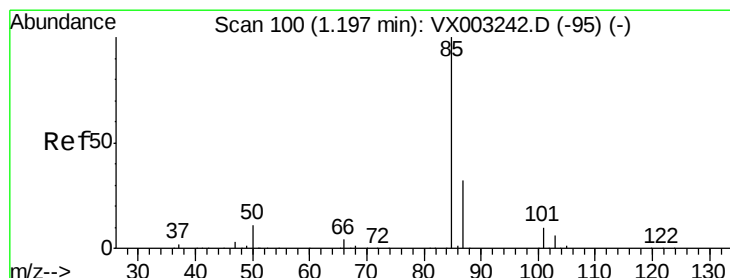
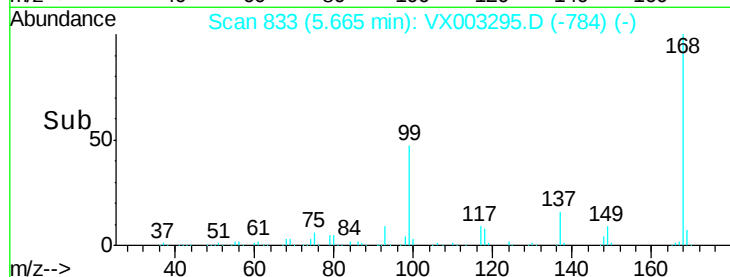
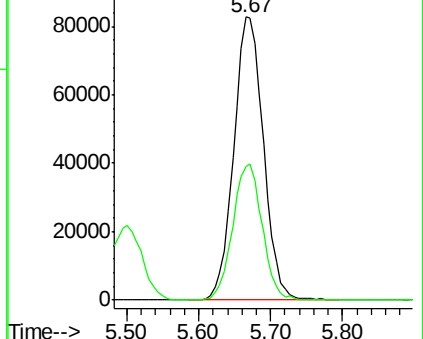
MMDadoda

7/11/2018 3:09:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003295.D

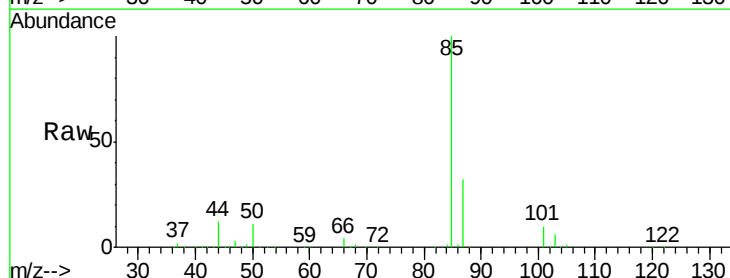
Acq: 10 Jul 2018 20:09

Tgt Ion: 85 Resp: 75301

Ion Ratio Lower Upper

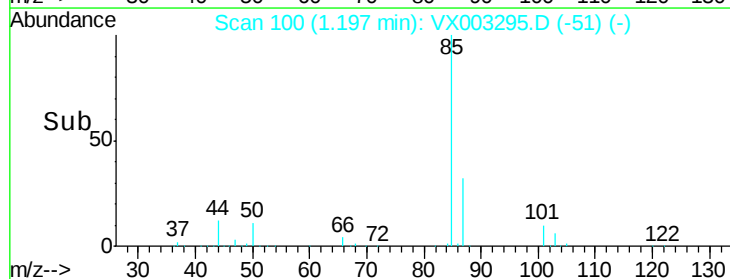
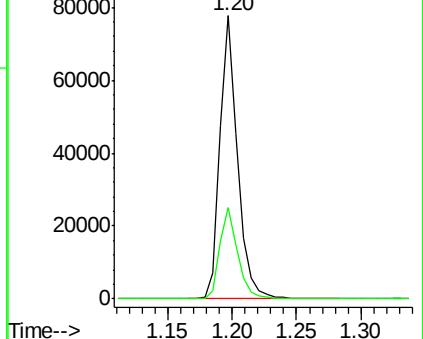
85 100

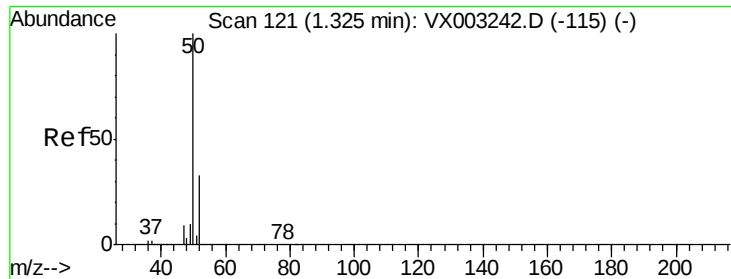
87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.78 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampled :

VX0710MBSD01

Tot Ion: 50 Resp: 64508

Ion Ratio Lower Upper

50 100

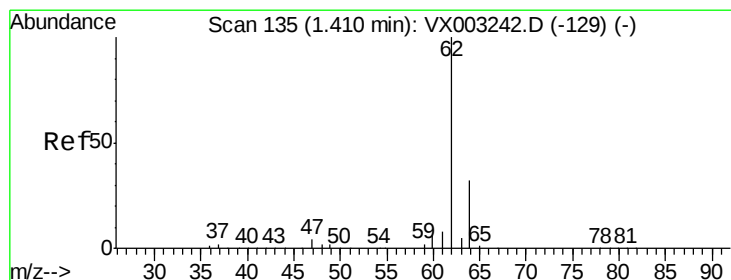
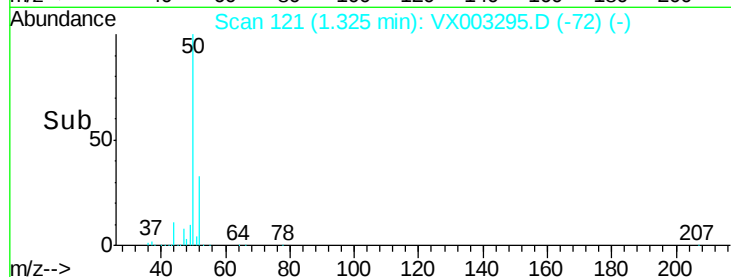
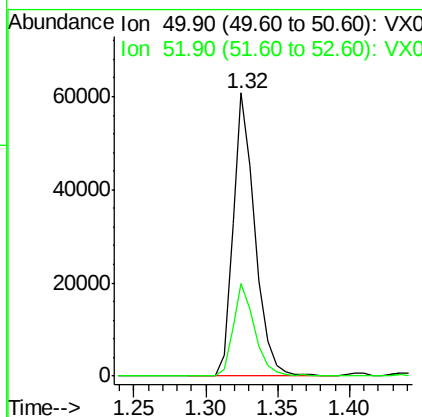
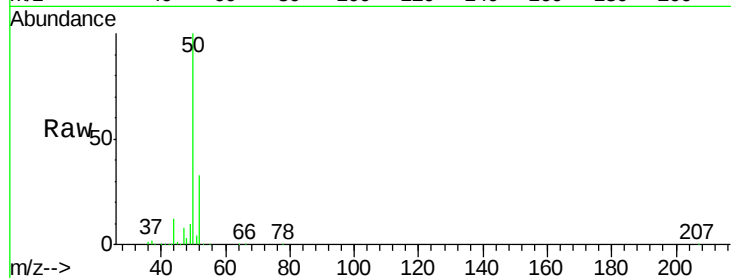
52 32.9 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#4

Vinyl Chloride

Concen: 19.70 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003295.D

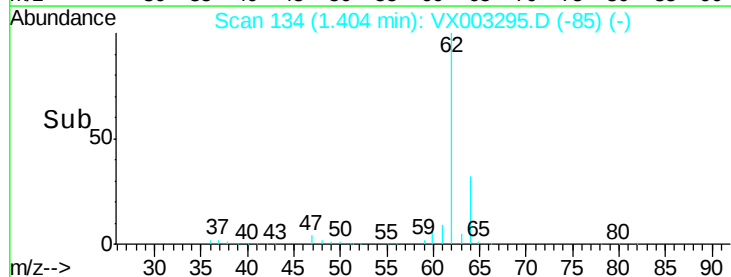
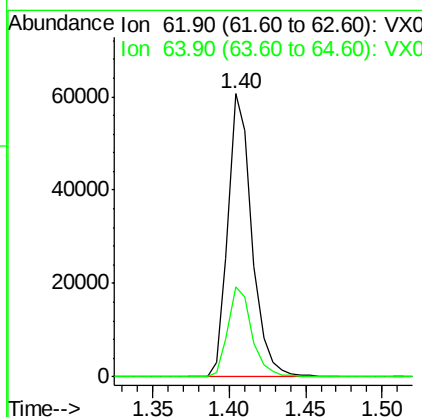
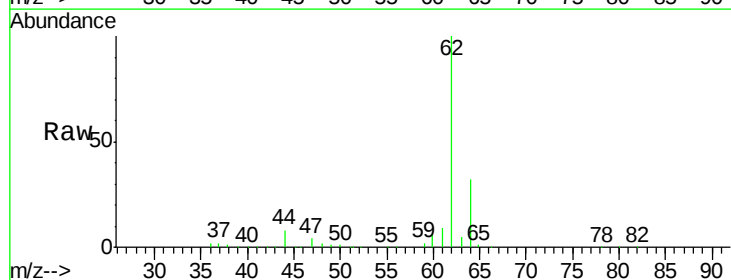
Acq: 10 Jul 2018 20:09

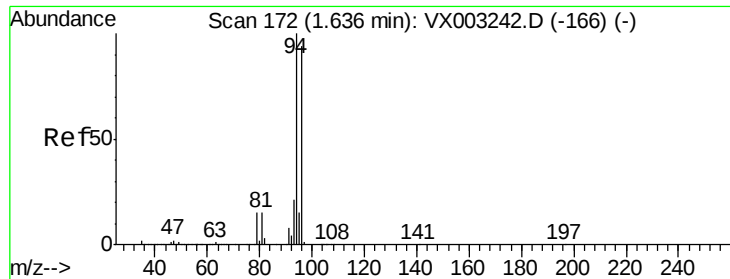
Tgt Ion: 62 Resp: 65940

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 24.51 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 94 Resp: 24134

Ion Ratio Lower Upper

94 100

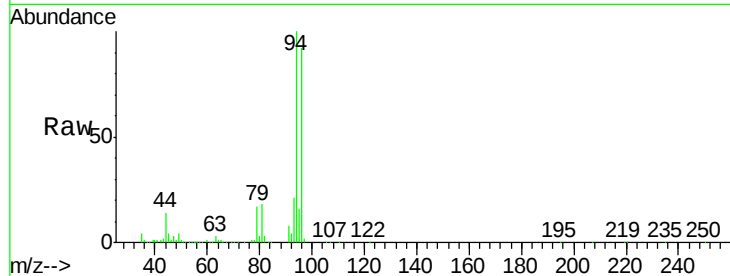
96 91.8 74.9 112.3

Manual Integrations

APPROVED

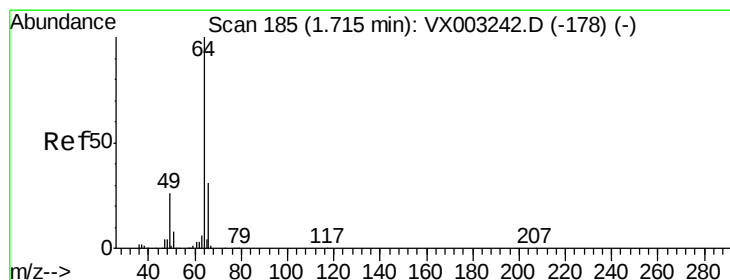
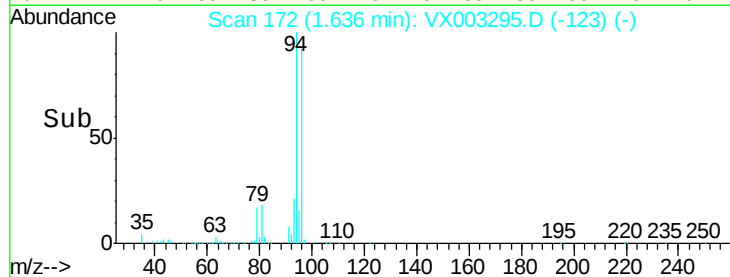
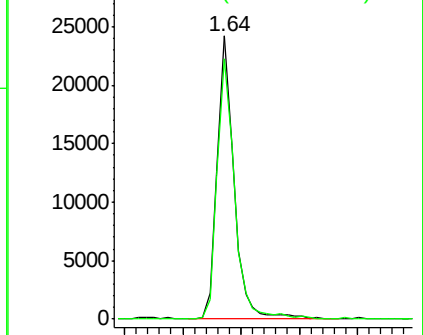
MMDadoda

7/11/2018 3:09:27 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.02 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003295.D

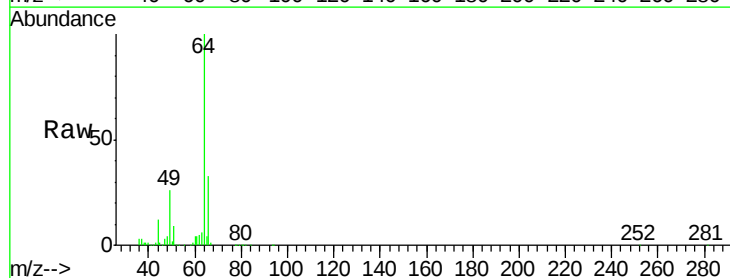
Acq: 10 Jul 2018 20:09

Tgt Ion: 64 Resp: 37111

Ion Ratio Lower Upper

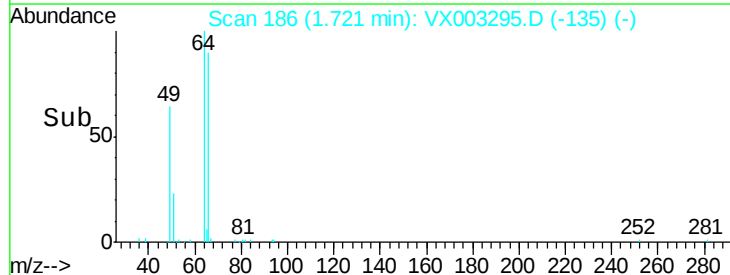
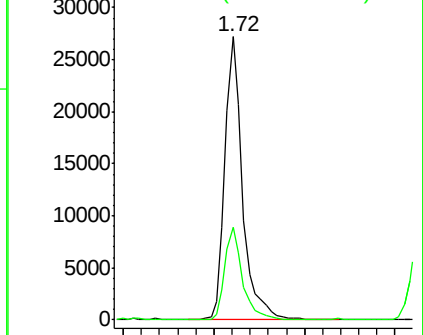
64 100

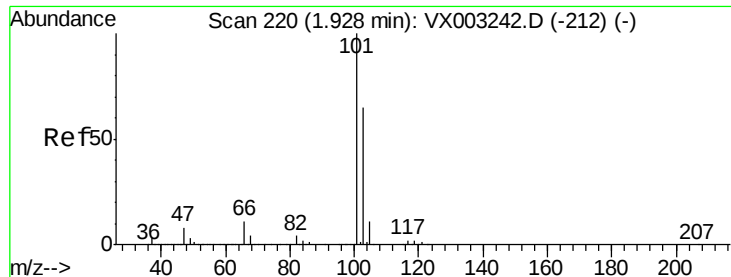
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

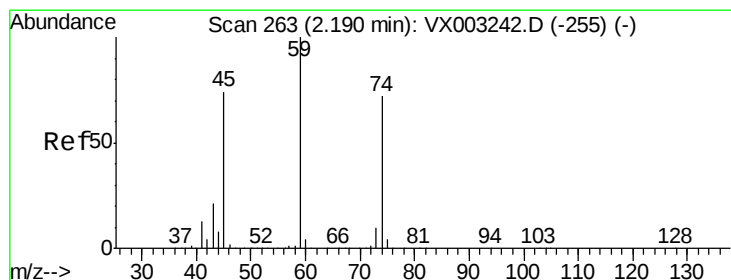
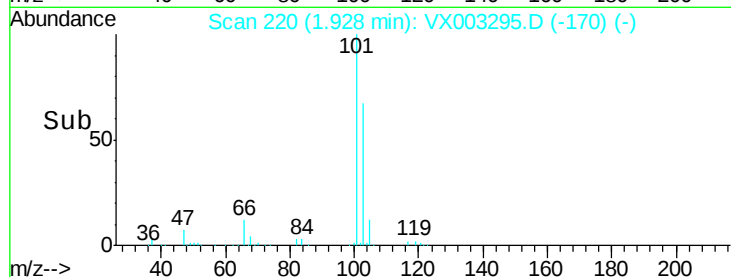
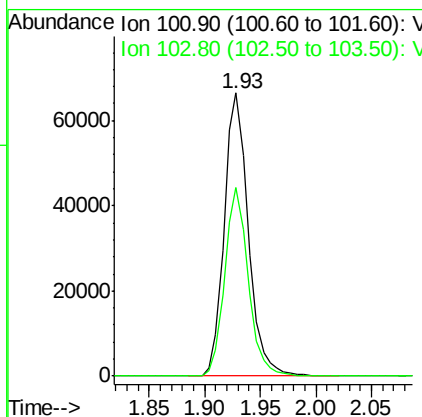
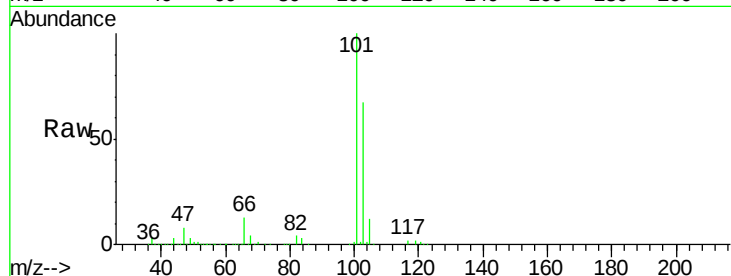
Trichlorofluoromethane
Concen: 20.02 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.8	79.2

Manual Integrations
APPROVED

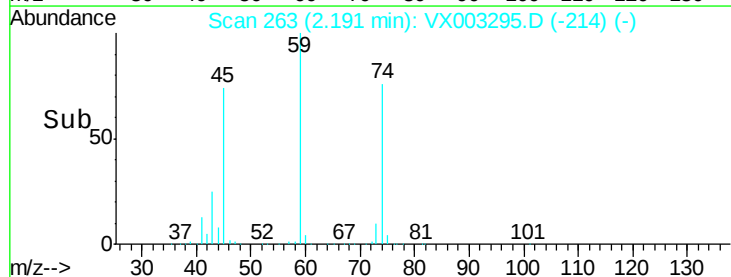
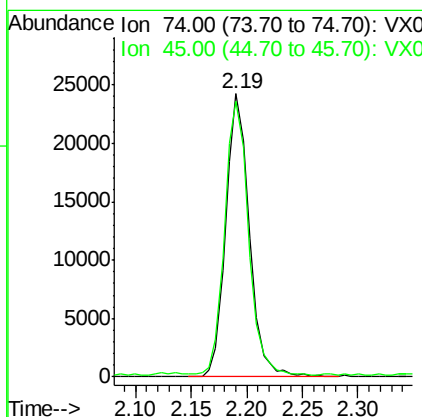
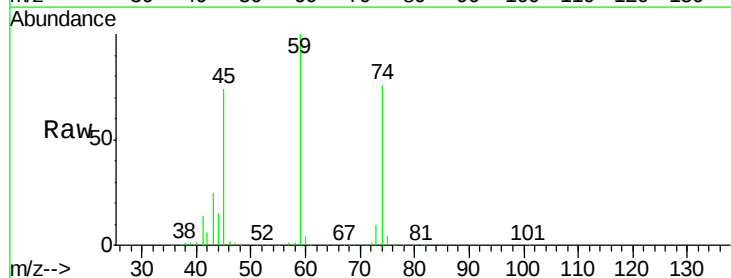
MMDadoda
7/11/2018 3:09:27 PM

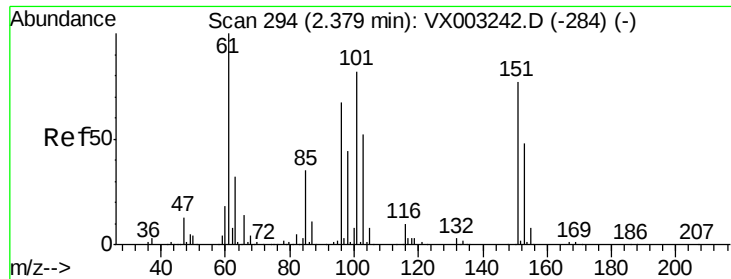


#8

Diethyl Ether
Concen: 19.76 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.67 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

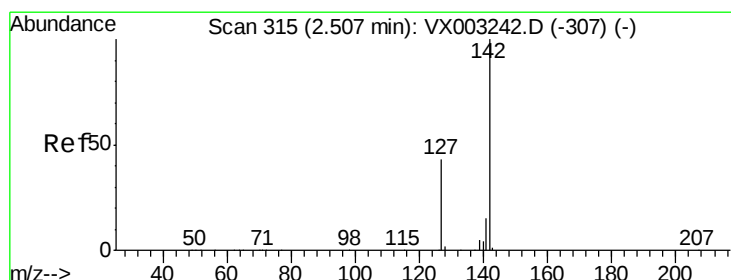
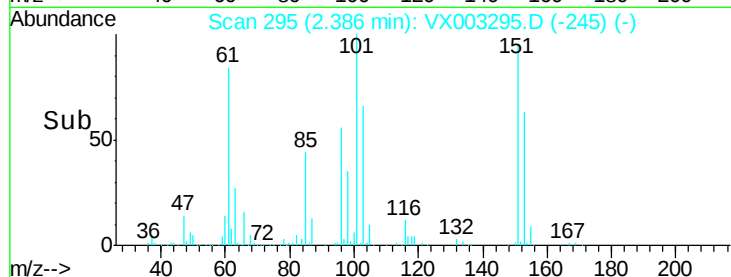
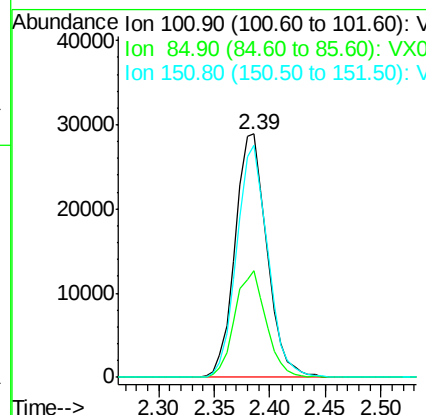
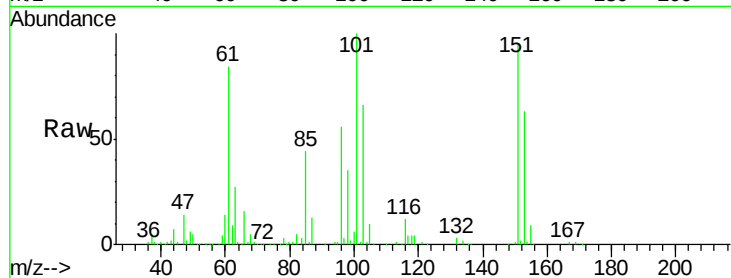
ClientSampleId :

VX0710MBSD01

Tot Ion:	101	Resp:	57302
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	93.3	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#10

Methyl Iodide

Concen: 20.41 ug/l

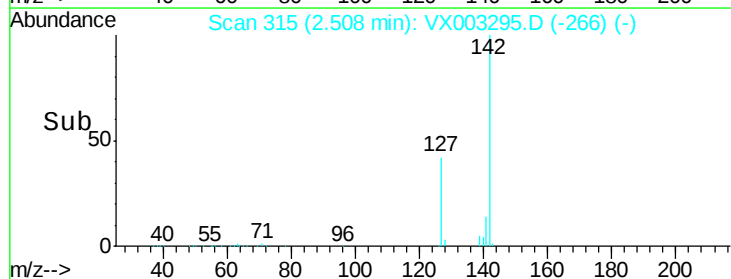
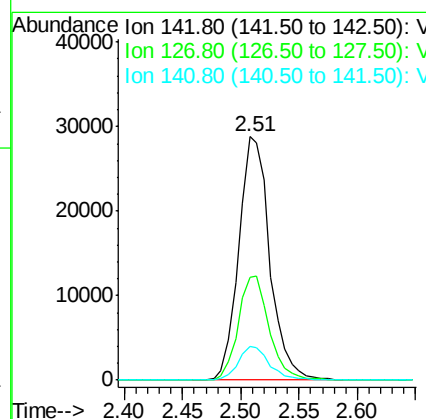
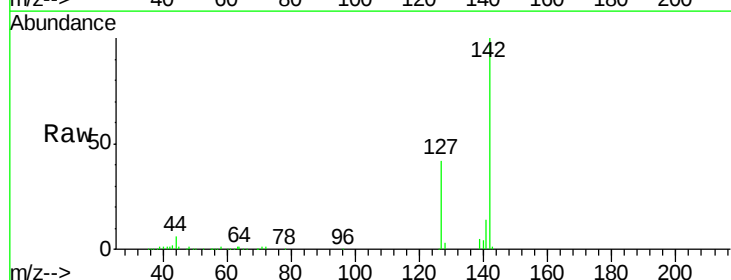
RT: 2.51 min Scan# 315

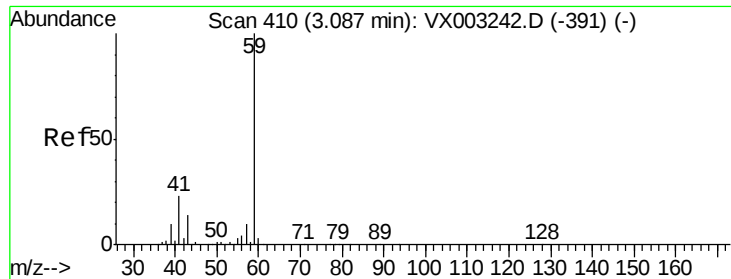
Delta R.T. 0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	142	Resp:	53505
Ion Ratio	Lower	Upper	
142	100		
127	42.7	36.6	55.0
141	13.8	11.3	16.9





#11

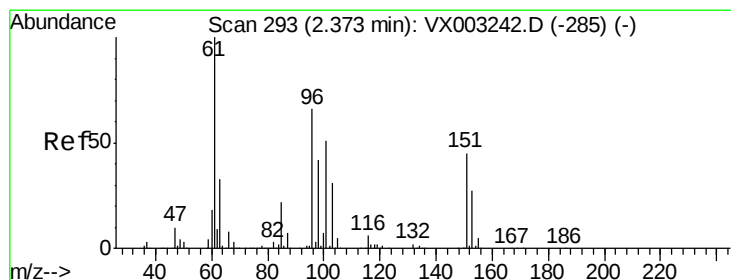
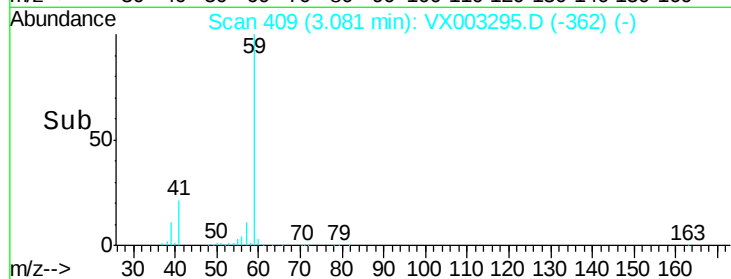
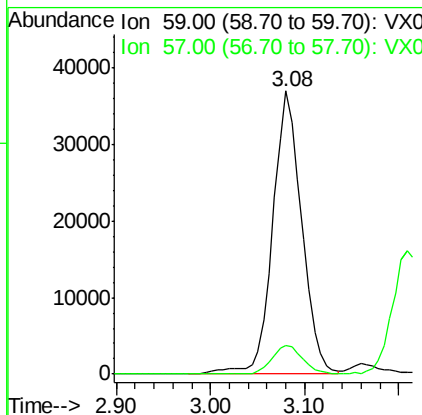
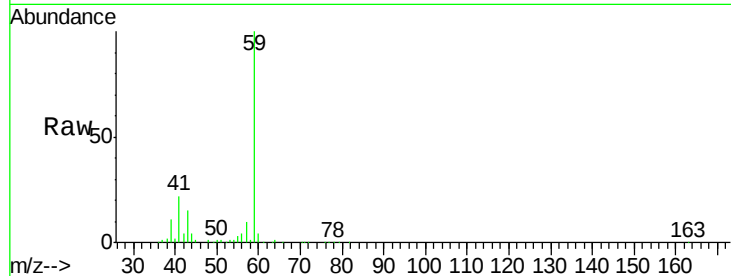
Tert butyl alcohol
 Concen: 118.25 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
 APPROVED

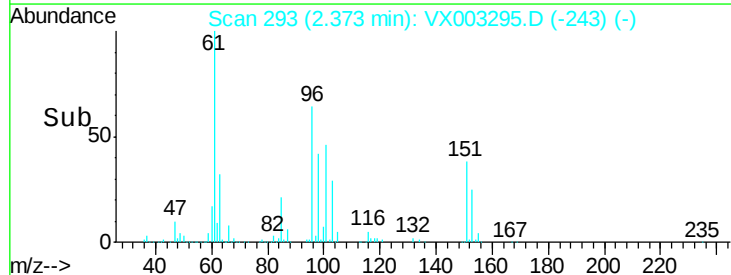
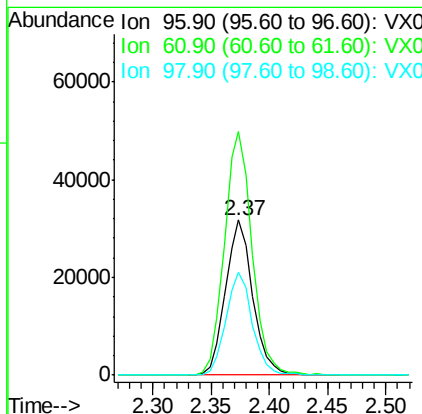
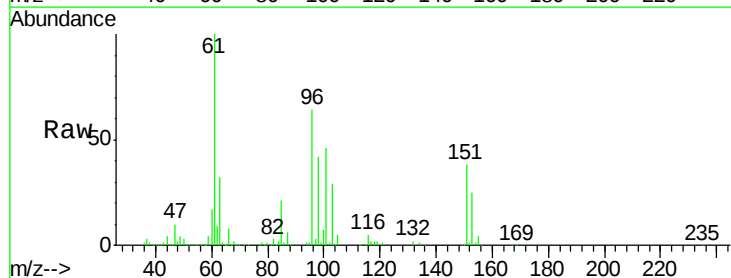
MMDadoda
 7/11/2018 3:09:27 PM

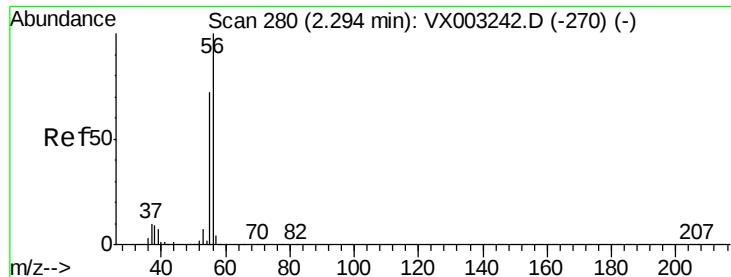


#12

1,1-Dichloroethene
 Concen: 19.39 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	137.9	206.9
98	66.4	51.6	77.4





#13

Acrolein

Concen: 87.87 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 56 Resp: 47657

Ion Ratio Lower Upper

56 100

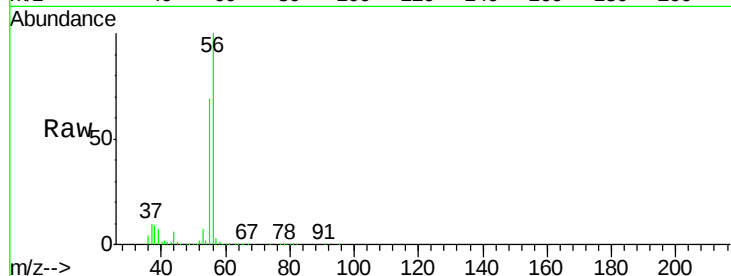
55 70.2 57.0 85.4

Manual Integrations

APPROVED

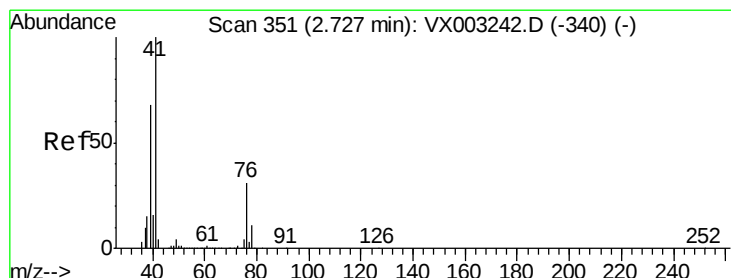
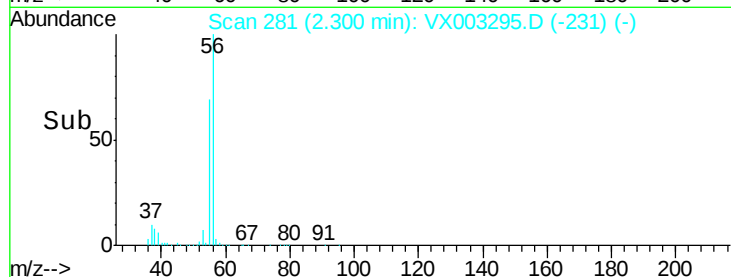
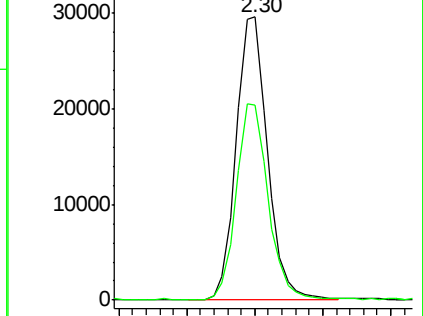
MMDadoda

7/11/2018 3:09:27 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.14 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

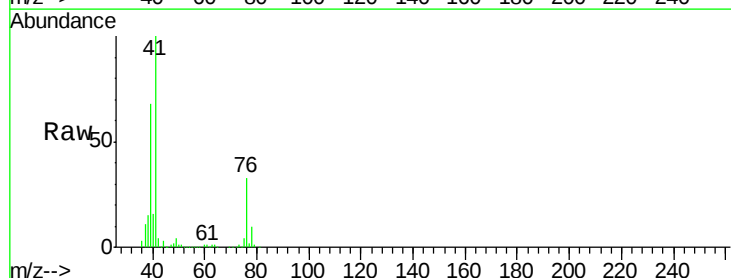
Tgt Ion: 41 Resp: 93989

Ion Ratio Lower Upper

41 100

39 66.1 56.8 85.2

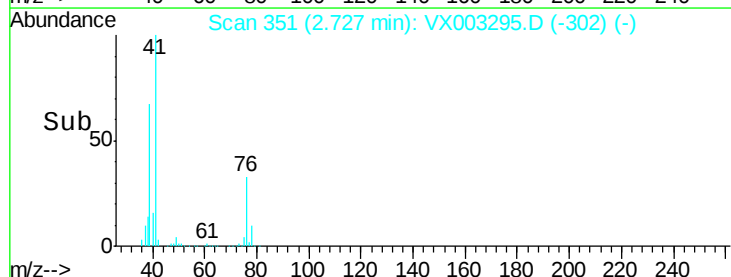
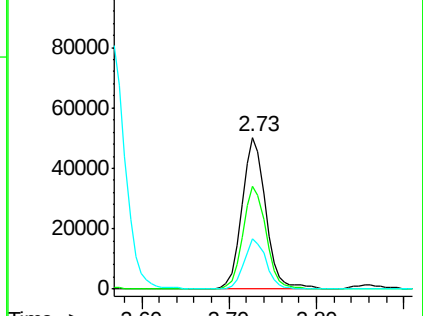
76 31.5 23.8 35.8

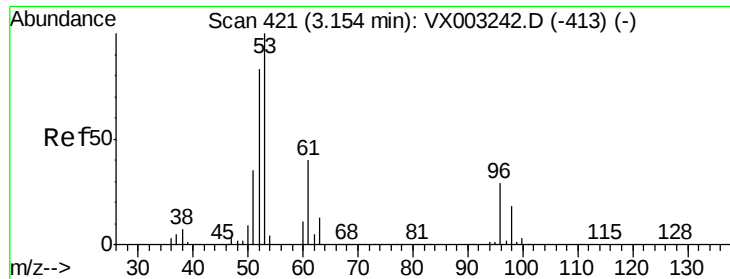


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 103.45 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

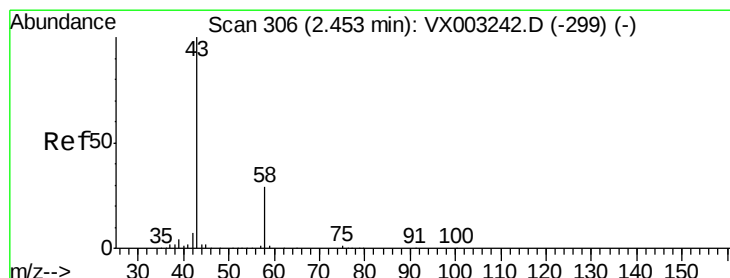
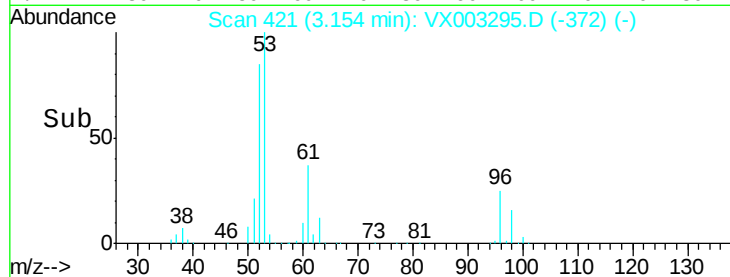
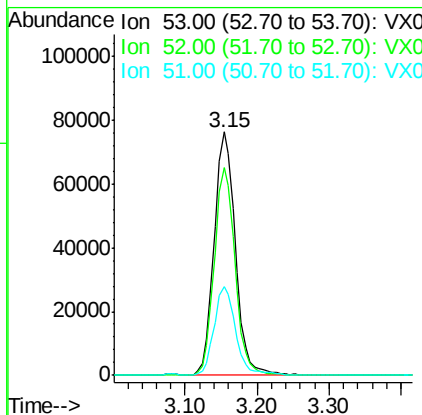
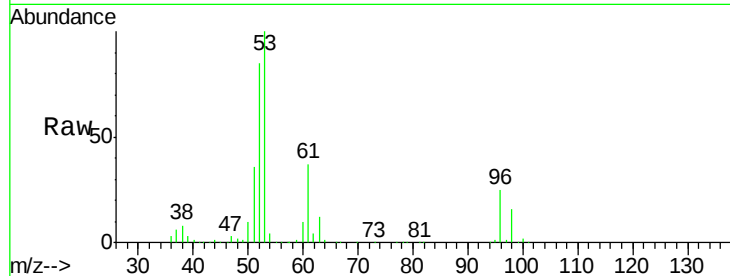
ClientSampleId :

VX0710MBSD01

Tot Ion:	53	Resp:	155465
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.7	100.1
51	36.5	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#16

Acetone

Concen: 111.95 ug/l

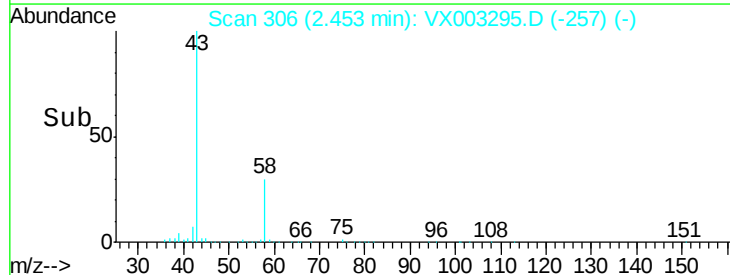
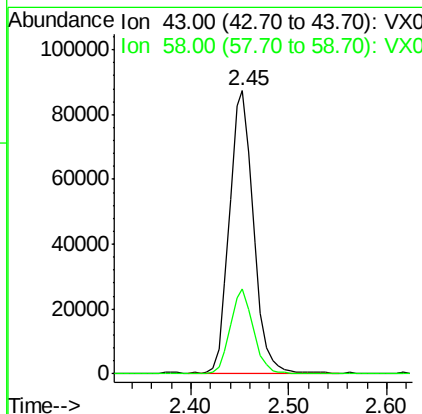
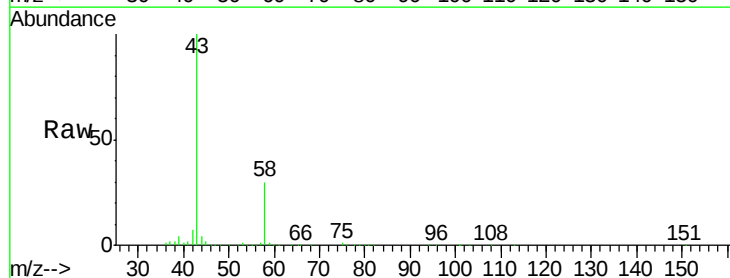
RT: 2.45 min Scan# 306

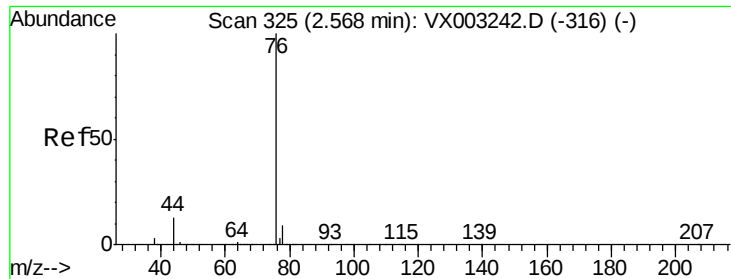
Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	43	Resp:	147541
Ion Ratio		Lower	Upper
43	100		
58	30.1	22.1	33.1





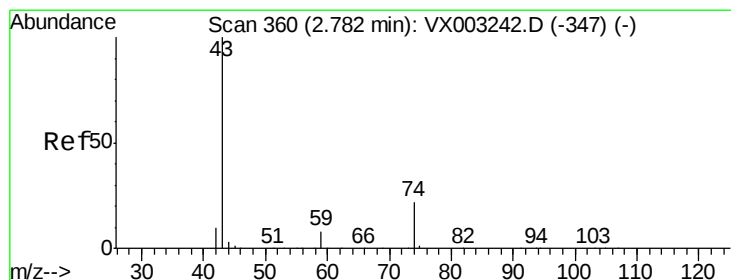
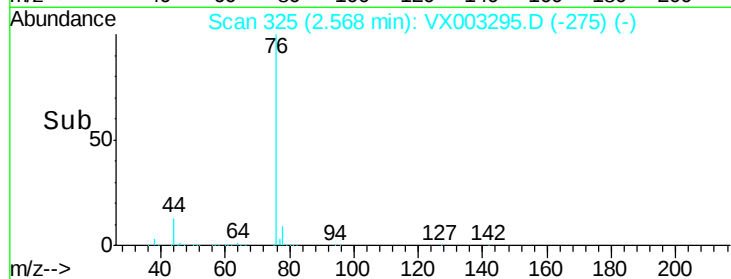
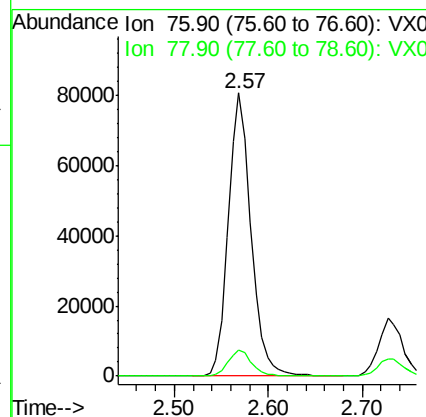
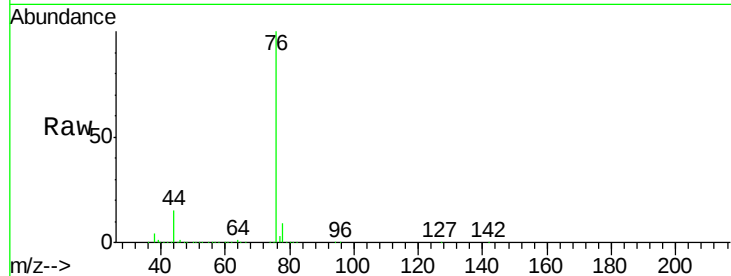
#17
Carbon Disulfide
Concen: 18.32 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

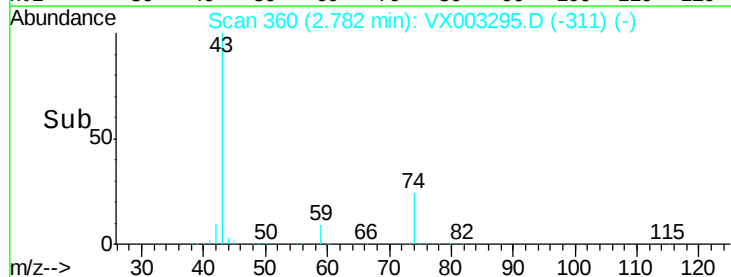
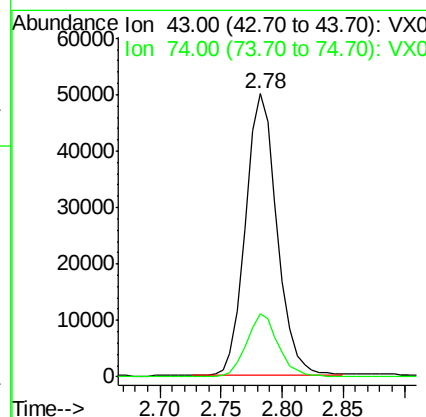
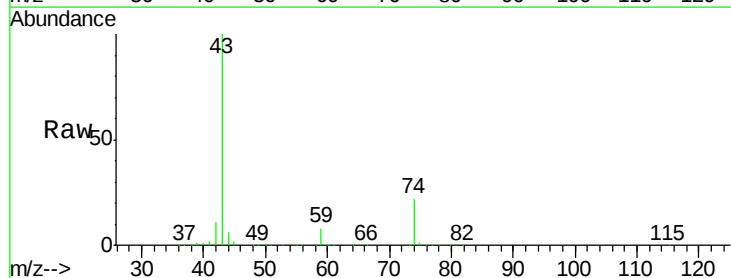
Manual Integrations
APPROVED

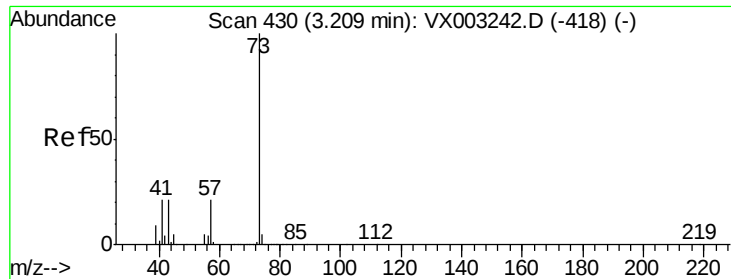
MMDadoda
7/11/2018 3:09:27 PM



#18
Methyl Acetate
Concen: 24.13 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1





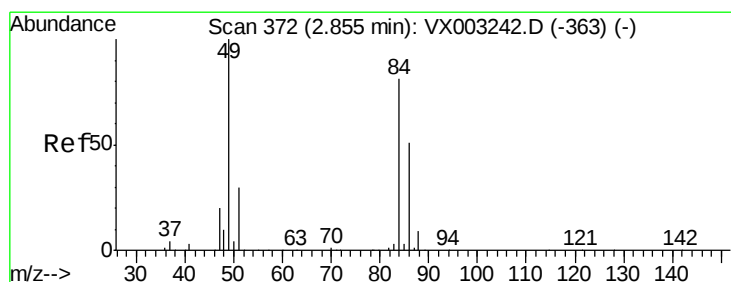
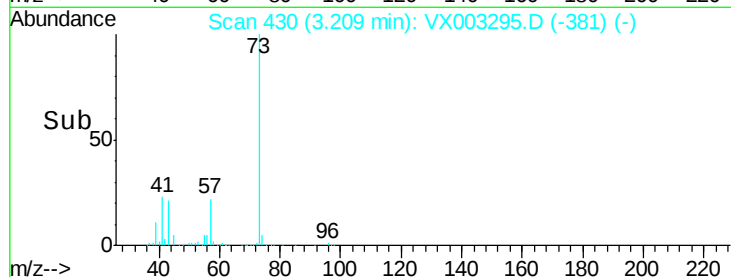
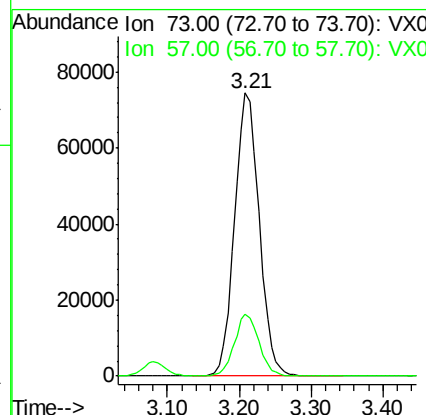
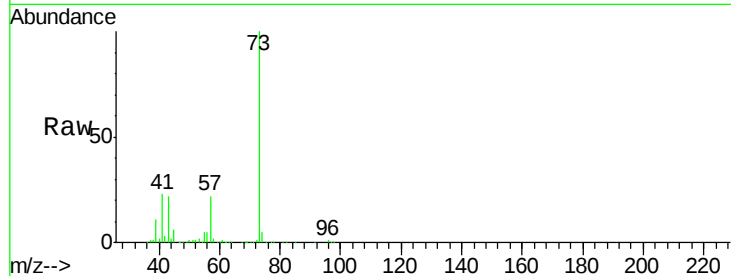
#19
Methvl tert-butvl Ether
Concen: 20.05 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion: 73 Resp: 177555
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

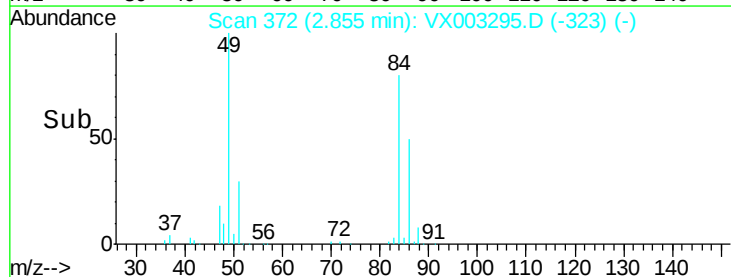
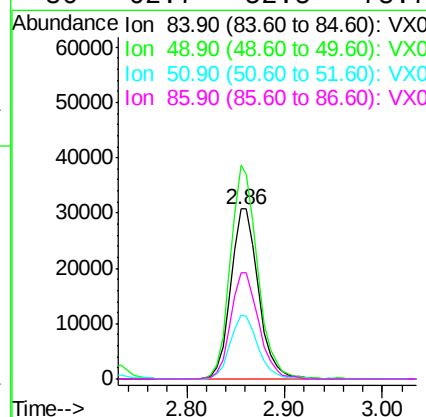
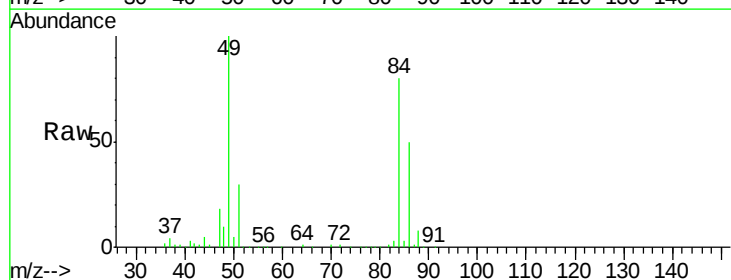
Manual Integrations
APPROVED

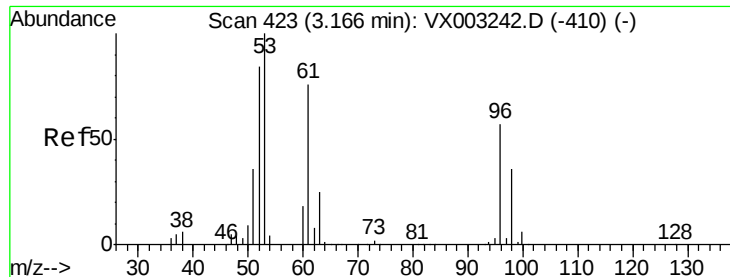
MMDadoda
7/11/2018 3:09:27 PM



#20
Methylene Chloride
Concen: 21.89 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion: 84 Resp: 60187
Ion Ratio Lower Upper
84 100
49 125.7 107.8 161.6
51 37.8 32.8 49.2
86 62.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.65 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 96 Resp: 55518

Ion Ratio Lower Upper

96 100

61 131.2 117.0 175.4

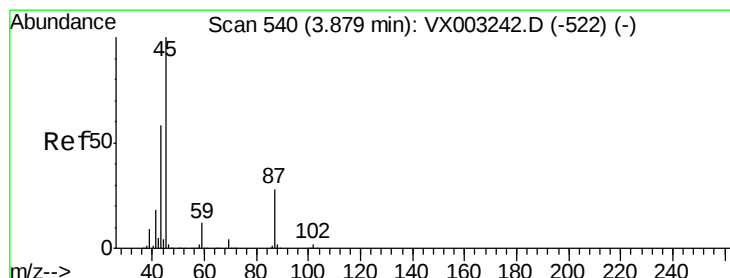
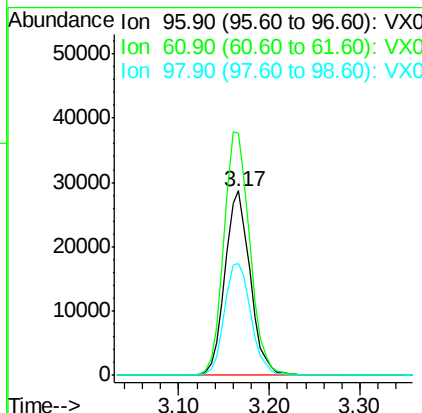
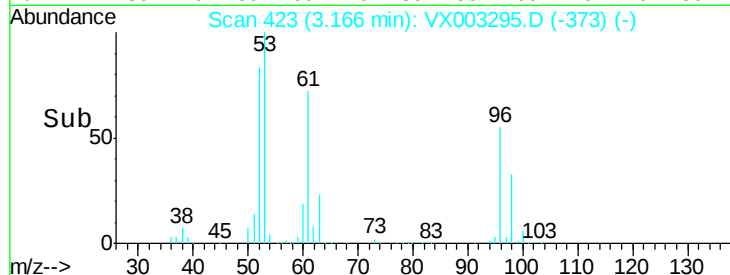
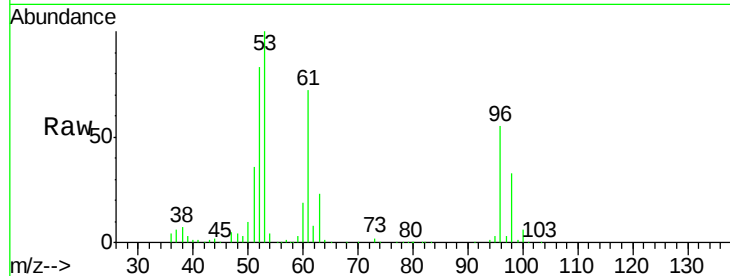
98 60.5 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#22

Diisopropyl ether

Concen: 18.60 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion: 45 Resp: 185745

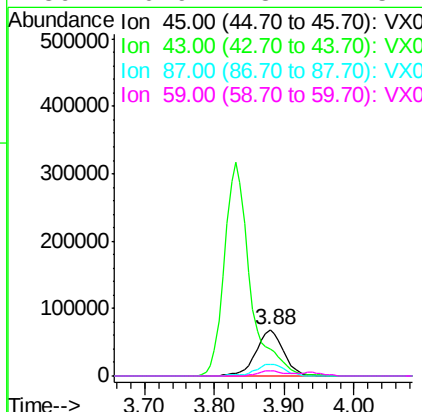
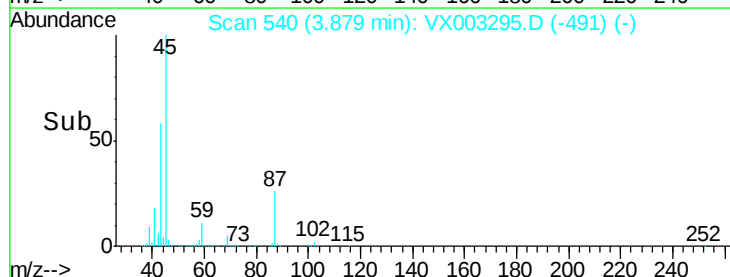
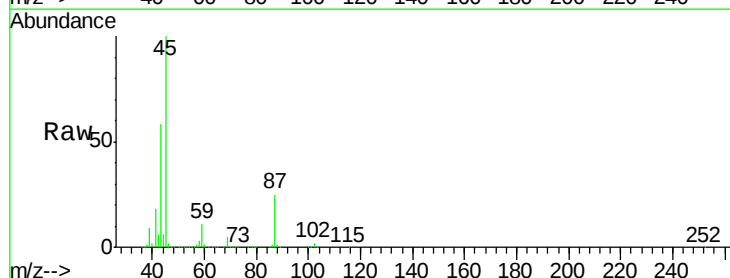
Ion Ratio Lower Upper

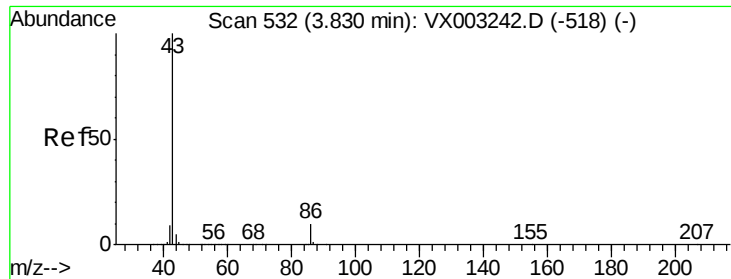
45 100

43 58.0 46.8 70.2

87 25.5 20.2 30.4

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 95.71 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 43 Resp: 811636

Ion Ratio Lower Upper

43 100

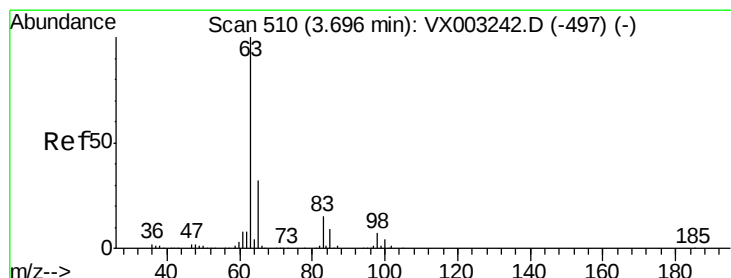
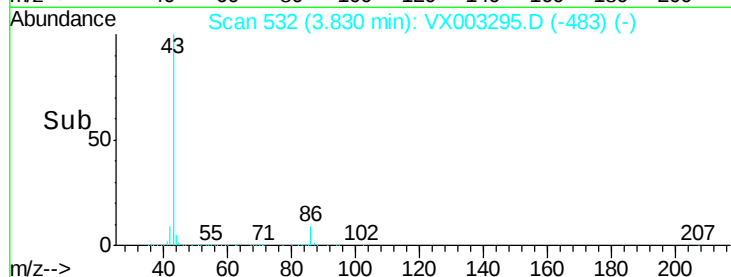
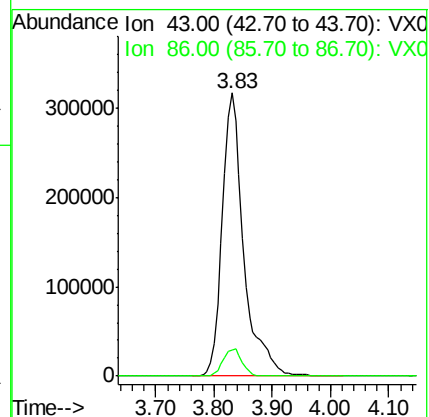
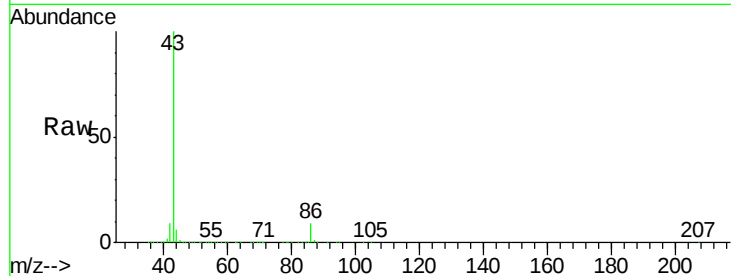
86 9.3 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#24

1,1-Dichloroethane

Concen: 20.22 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

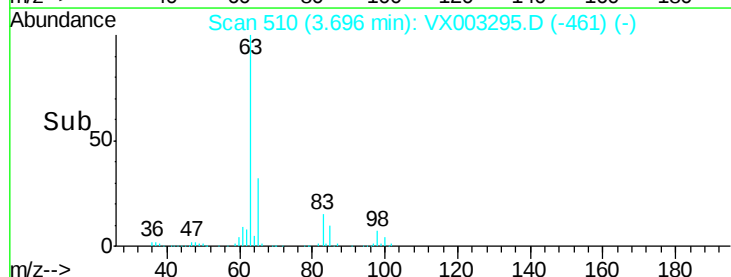
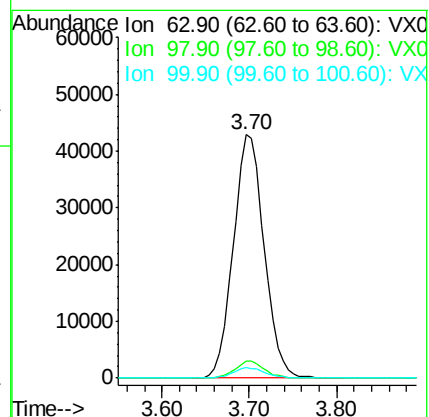
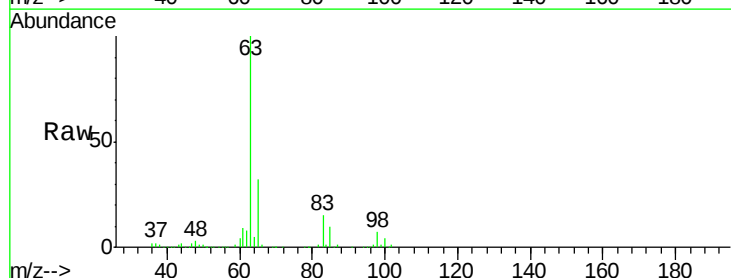
Tgt Ion: 63 Resp: 105104

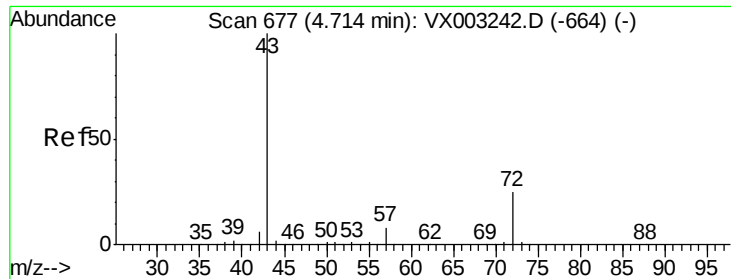
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 108.80 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 43 Resp: 253722

Ion Ratio Lower Upper

43 100

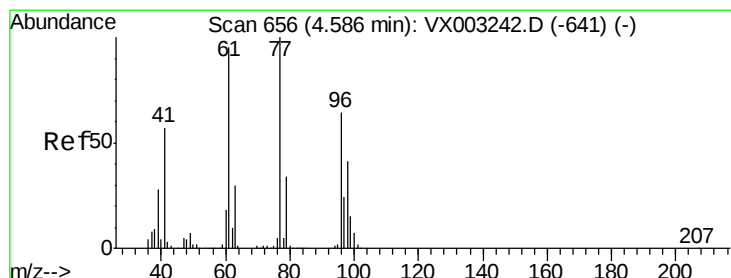
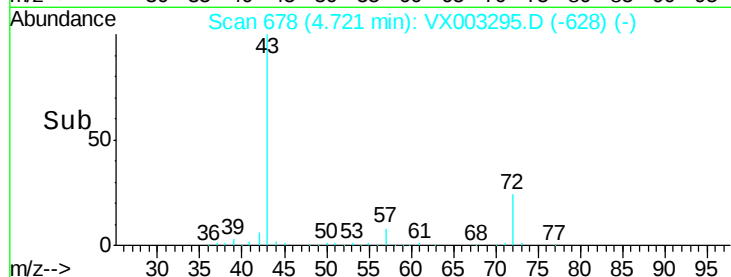
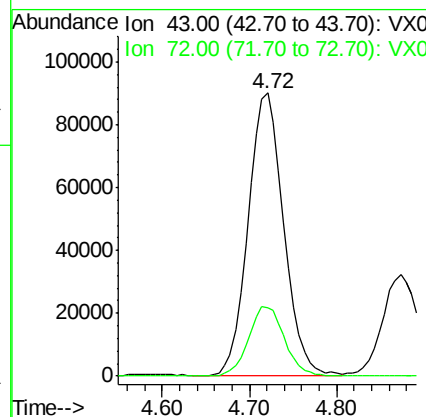
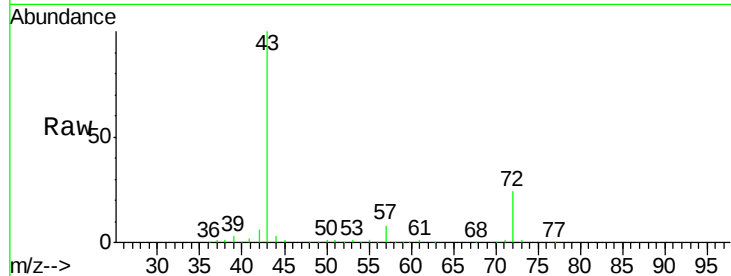
72 24.0 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#26

2,2-Dichloropropane

Concen: 15.34 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003295.D

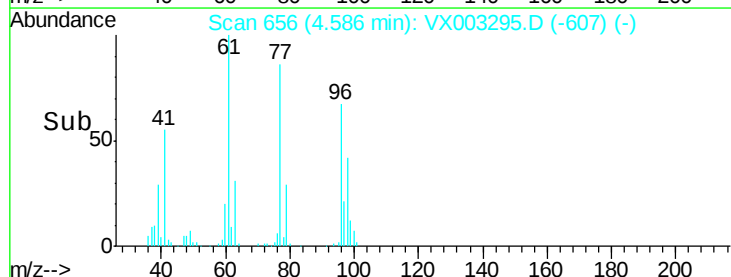
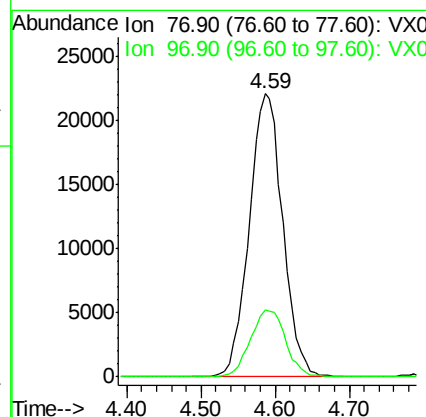
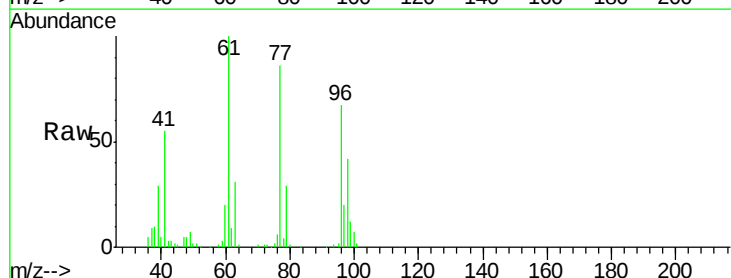
Acq: 10 Jul 2018 20:09

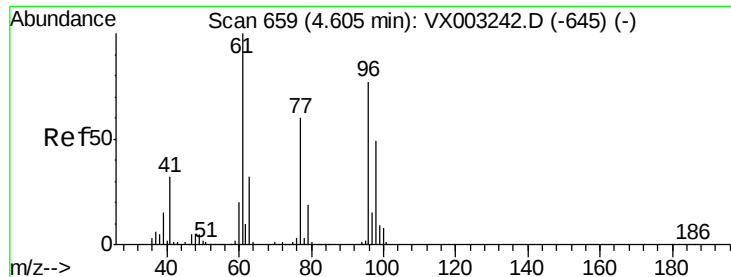
Tgt Ion: 77 Resp: 69737

Ion Ratio Lower Upper

77 100

97 24.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.38 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

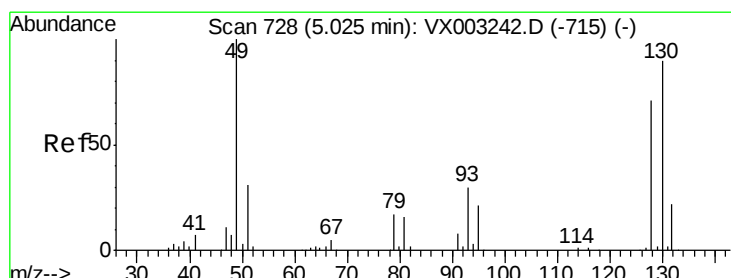
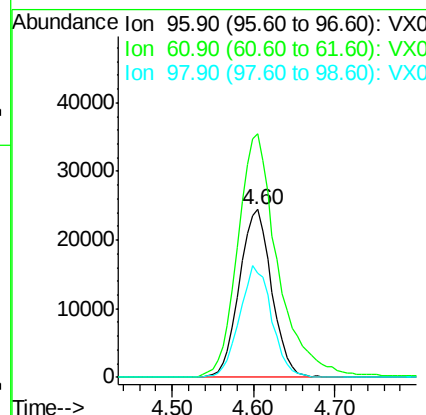
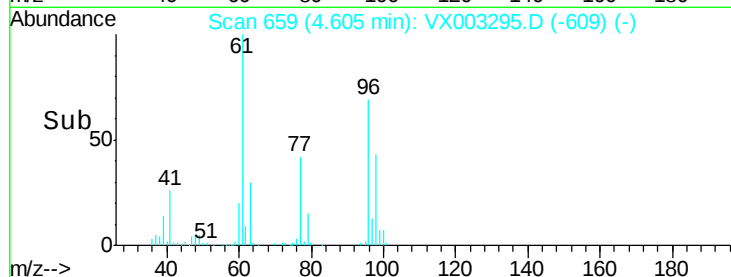
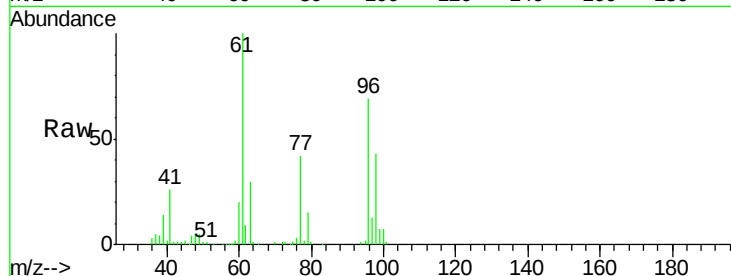
ClientSampleId :

VX0710MBSD01

Tot Ion:	96	Resp:	67313
Ion	Ratio	Lower	Upper
96	100		
61	180.4	0.0	330.2
98	65.9	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#28

Bromochloromethane

Concen: 20.12 ug/l

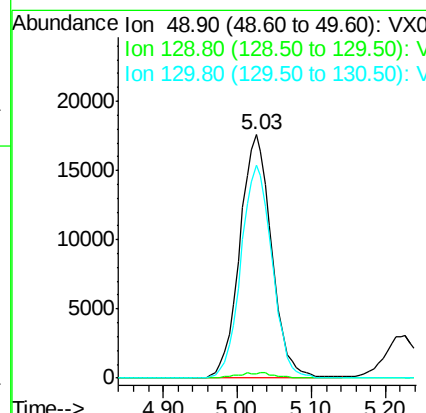
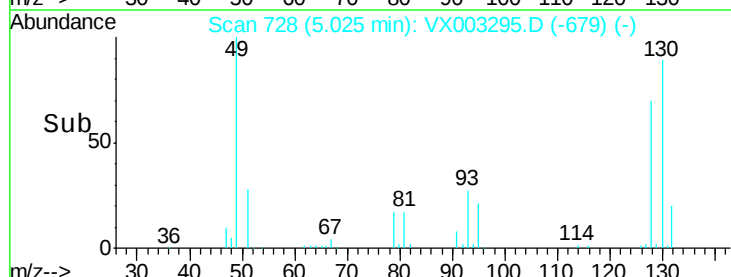
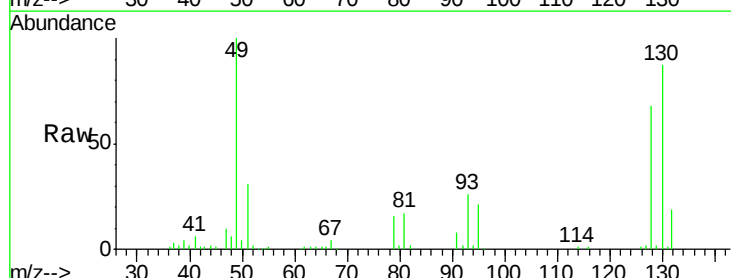
RT: 5.03 min Scan# 728

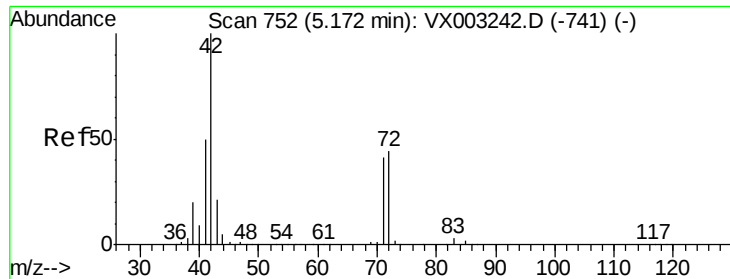
Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	49	Resp:	52699
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	85.3	61.2	91.8





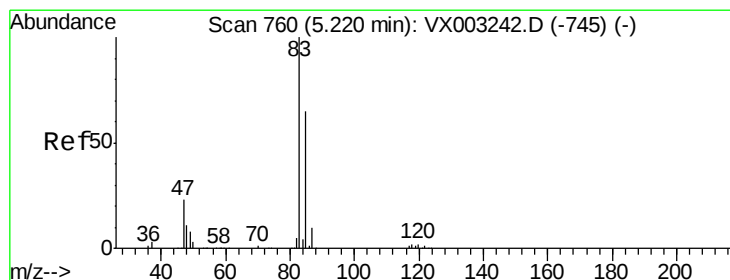
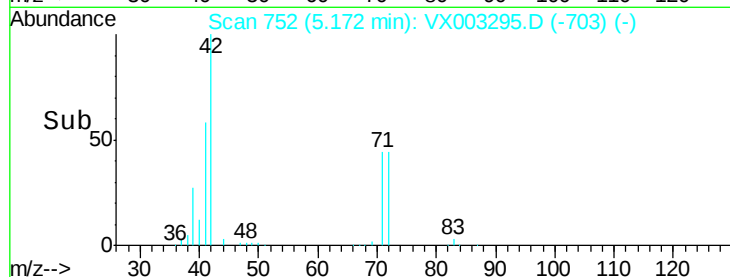
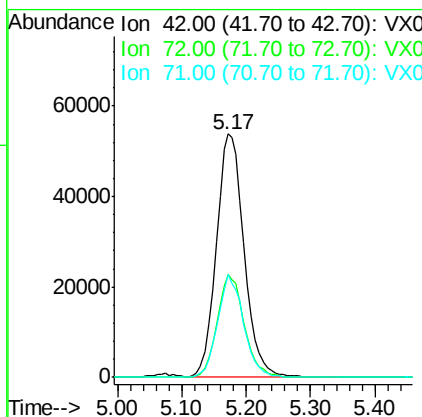
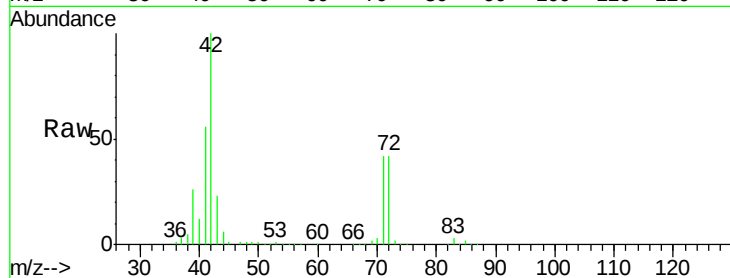
#29
Tetrahydrofuran
Concen: 106.89 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.0	48.0
71	39.8	30.1	45.1

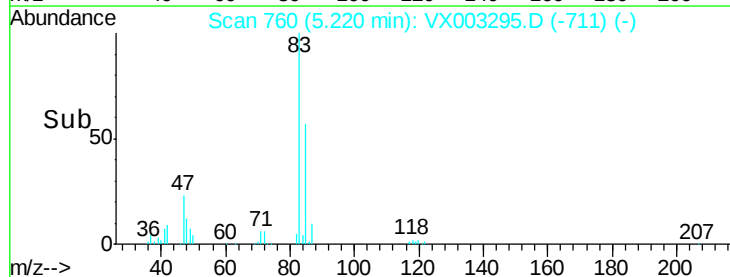
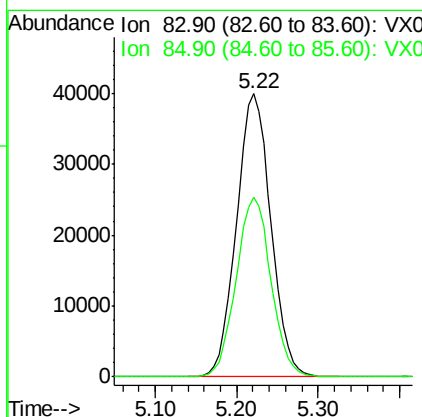
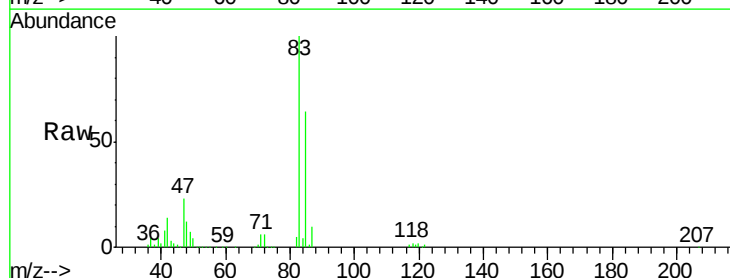
Manual Integrations
APPROVED

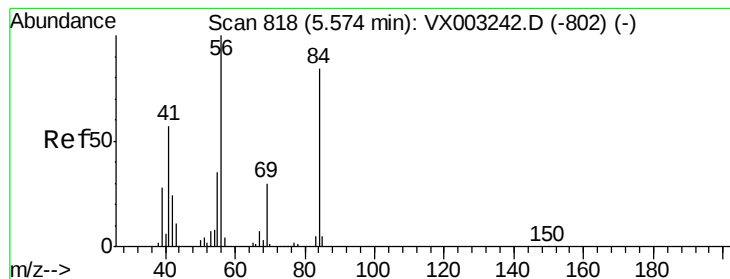
MMDadoda
7/11/2018 3:09:27 PM



#30
Chloroform
Concen: 20.43 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.4	75.6





#31

Cyclohexane

Concen: 19.64 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

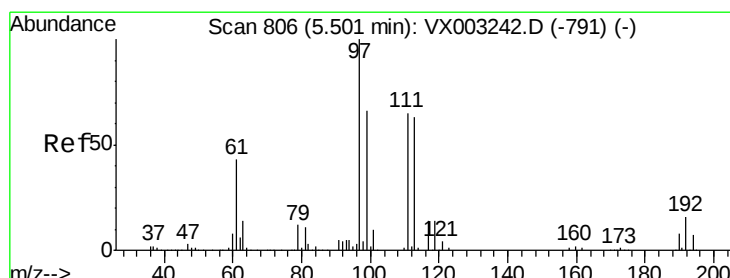
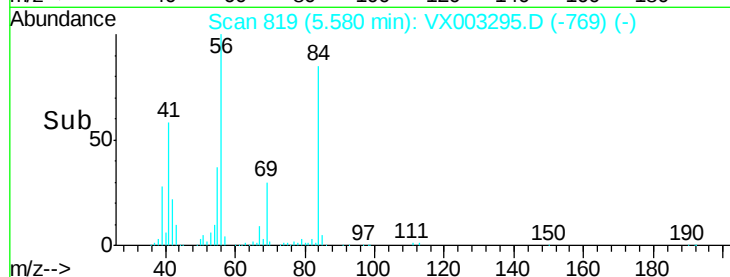
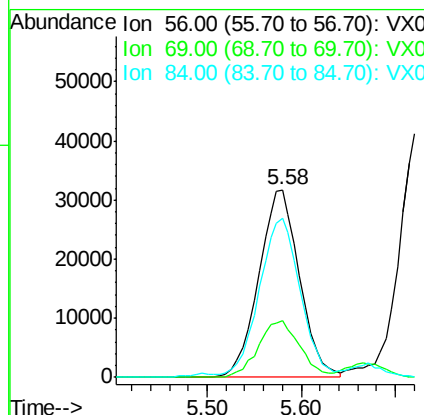
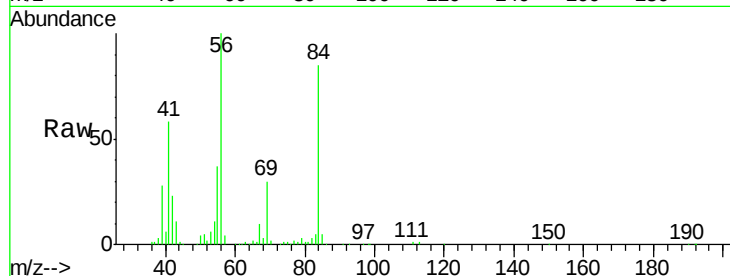
ClientSampleId :

VX0710MBSD01

Tot Ion:	56	Resp:	95635
Ion Ratio	Lower	Upper	
56	100		
69	30.0	23.7	35.5
84	83.9	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#32

1,1,1-Trichloroethane

Concen: 20.40 ug/l

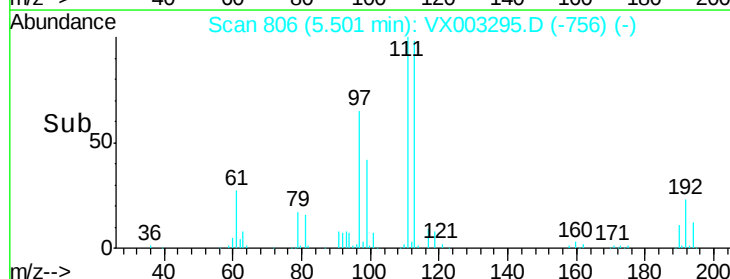
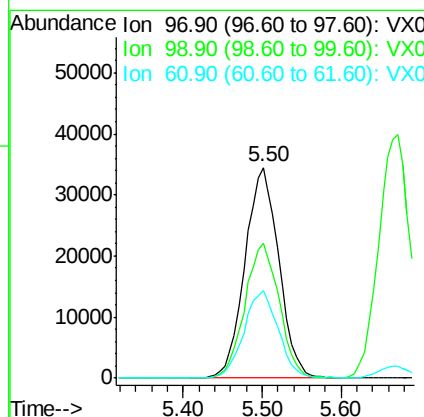
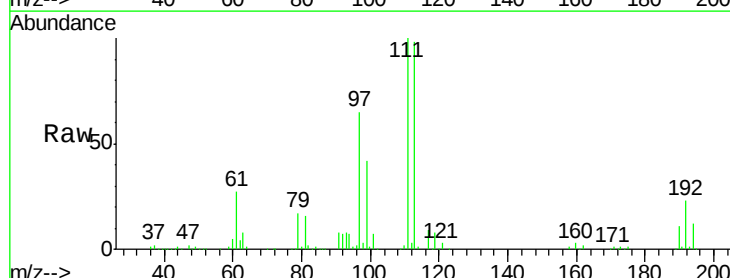
RT: 5.50 min Scan# 806

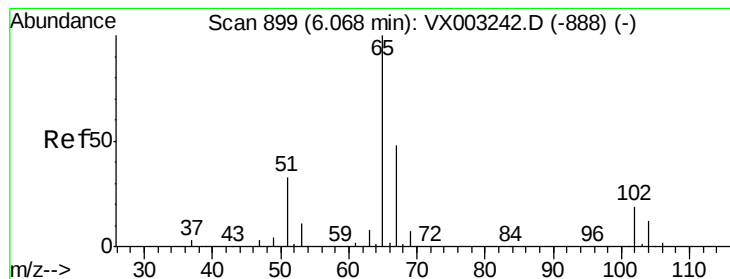
Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	97	Resp:	102896
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.6	77.4
61	42.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 50.69 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 65 Resp: 188182

Ion Ratio Lower Upper

65 100

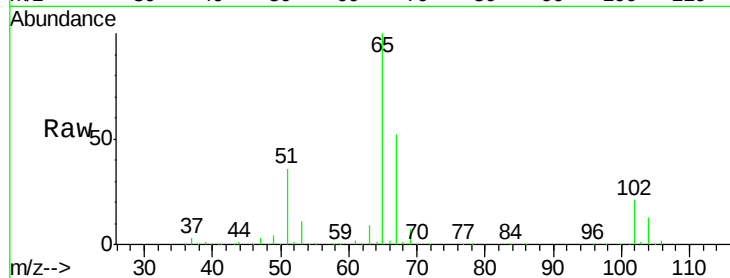
67 52.3 0.0 102.6

Manual Integrations

APPROVED

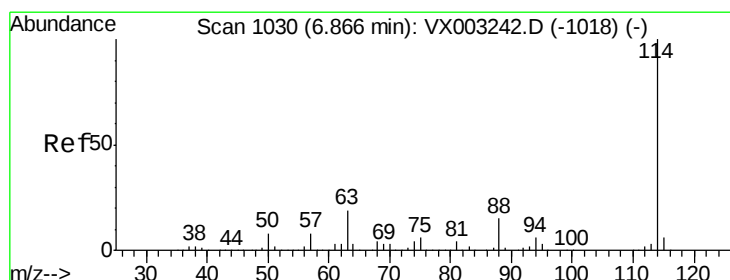
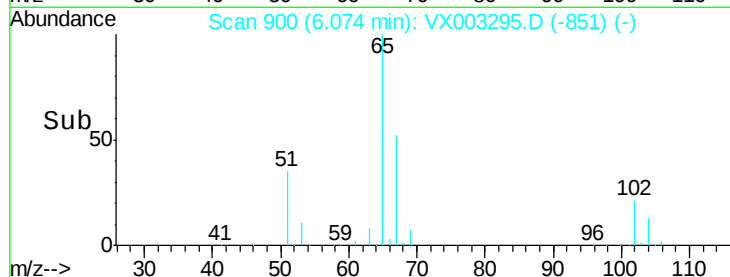
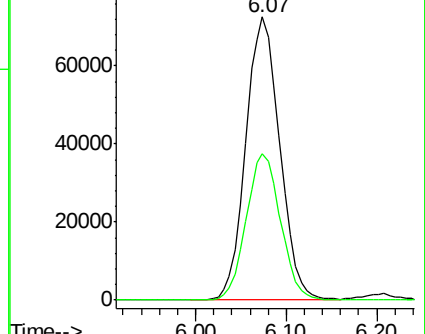
MMDadoda

7/11/2018 3:09:27 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

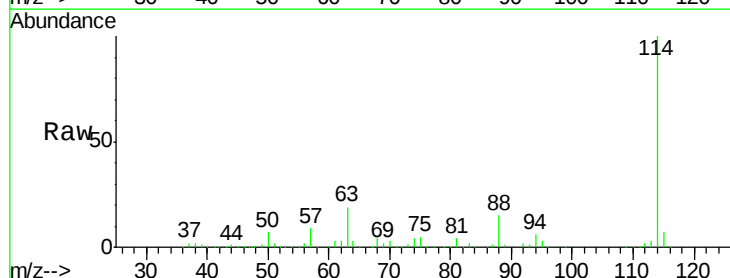
Tgt Ion: 114 Resp: 296421

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

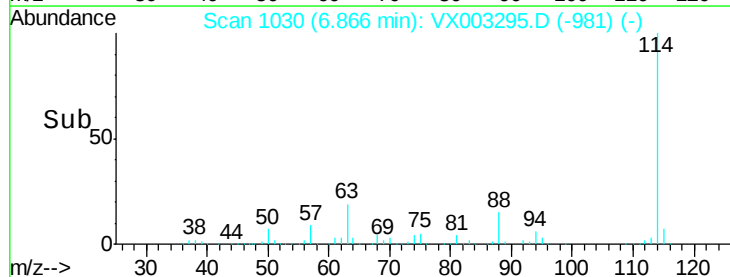
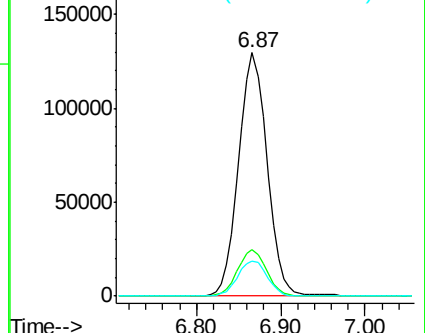
88 14.6 0.0 30.0

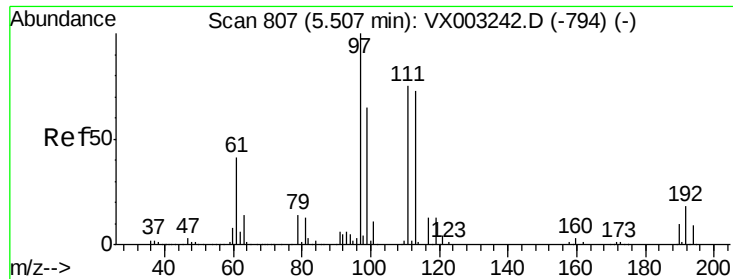


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





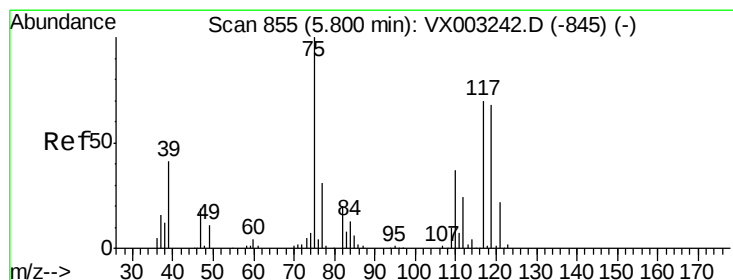
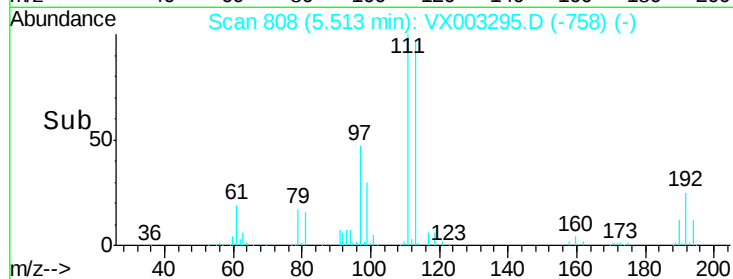
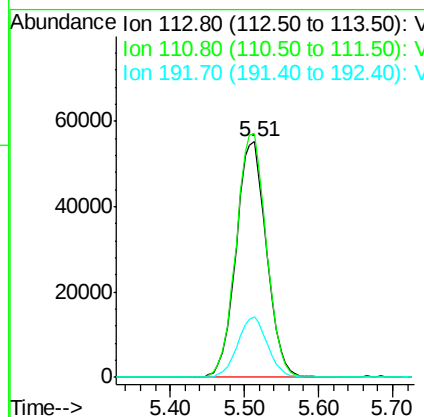
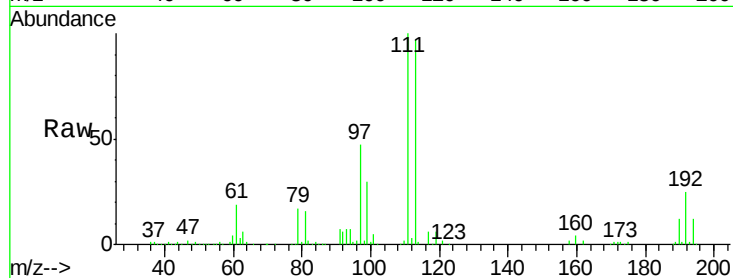
#35
 Dibromofluoromethane
 Concen: 49.79 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158555		
111	102.9	81.4	122.0	
192	25.1	19.1	28.7	

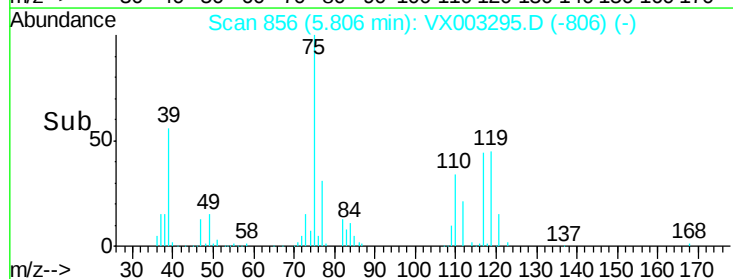
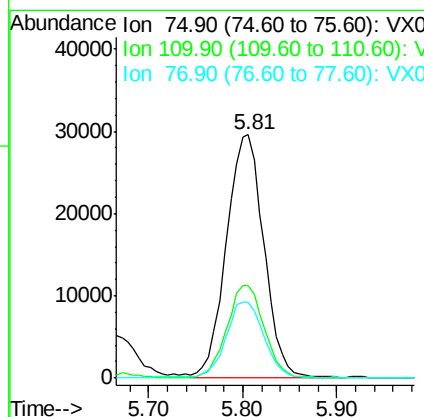
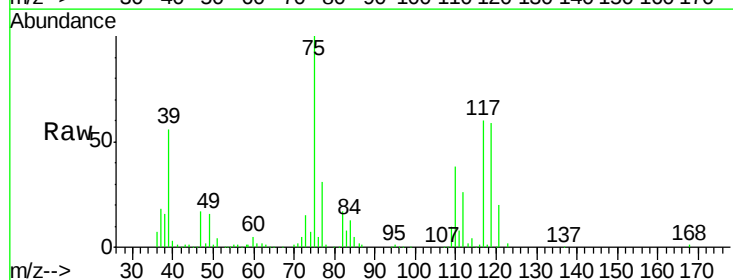
Manual Integrations
 APPROVED

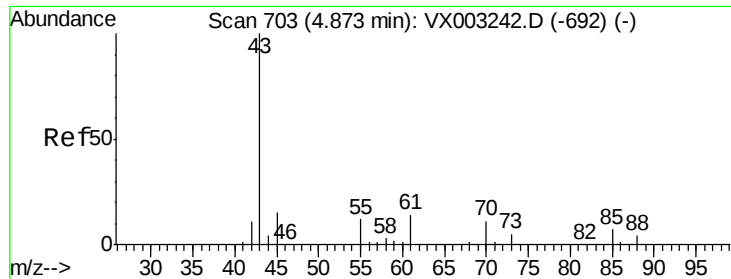
MMDadoda
 7/11/2018 3:09:27 PM



#36
 1,1-Dichloropropene
 Concen: 19.26 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80804		
110	38.7	18.1	54.4	
77	31.6	24.3	36.5	





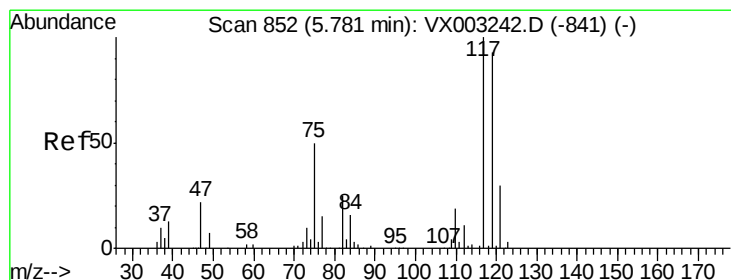
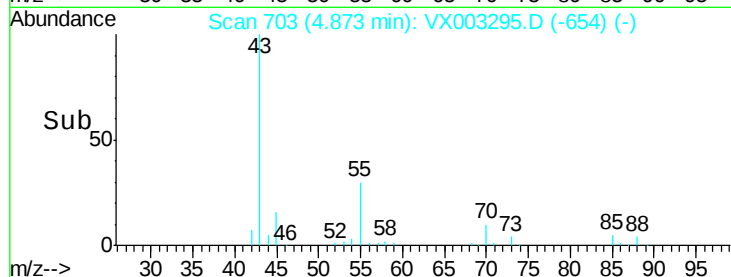
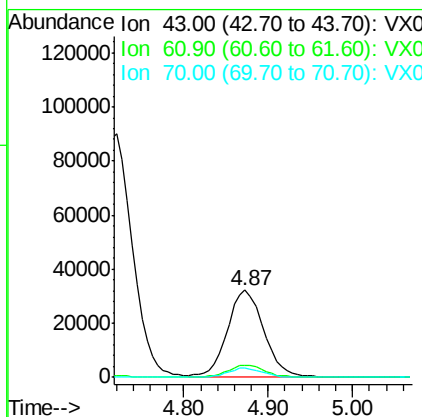
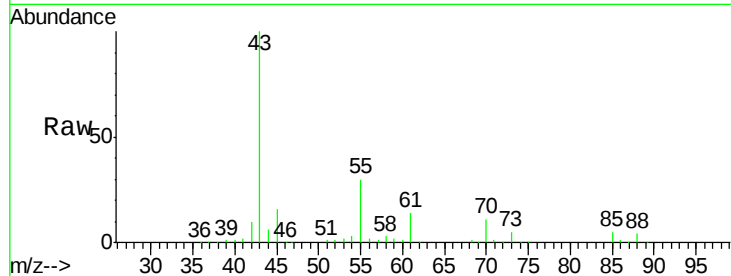
#37
Ethyl Acetate
Concen: 20.43 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	43	Resp	93963
Ion Ratio	100	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	10.5	7.6	11.4

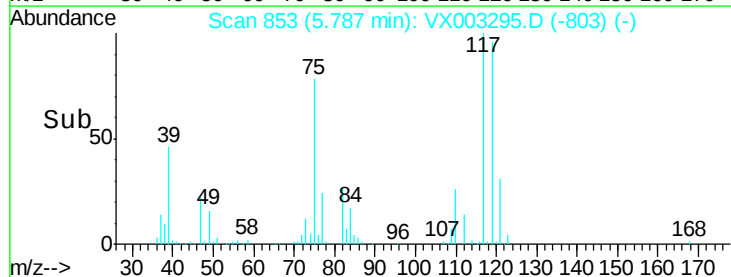
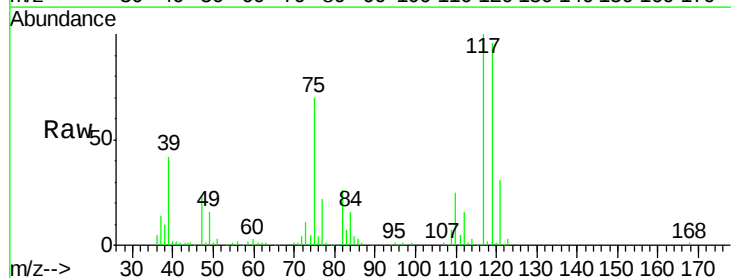
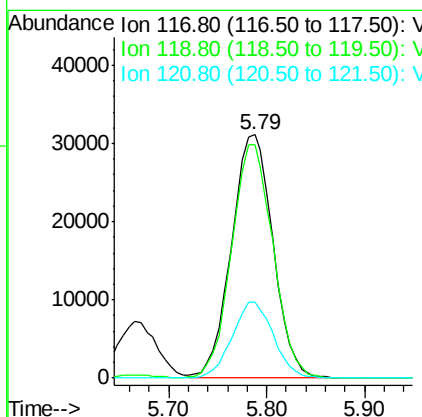
Manual Integrations
APPROVED

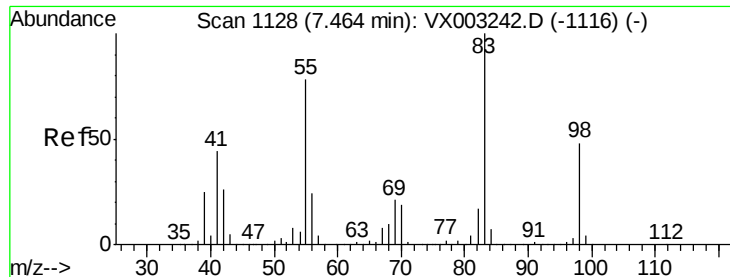
MMDadoda
7/11/2018 3:09:27 PM



#38
Carbon Tetrachloride
Concen: 20.08 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	117	Resp	92187
Ion Ratio	100	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	31.4	24.4	36.6





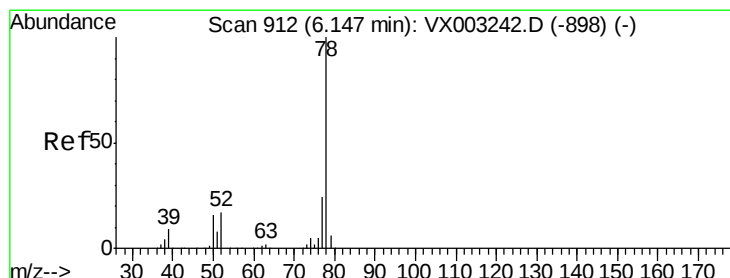
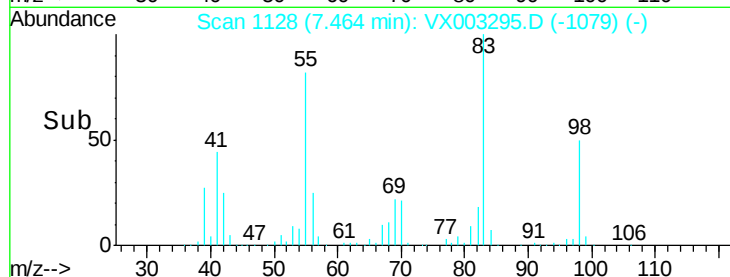
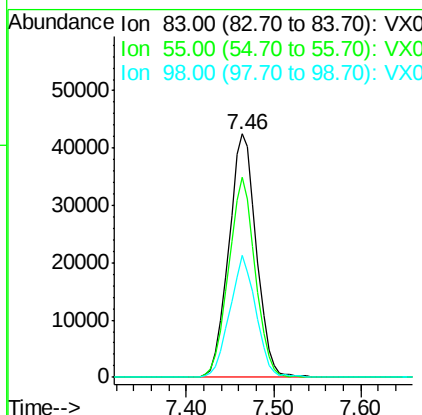
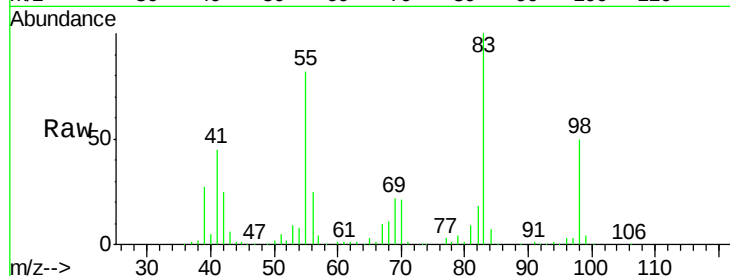
#39
Methylvlcvclohexane
Concen: 18.80 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	65.4	98.0
98	49.9	37.4	56.0

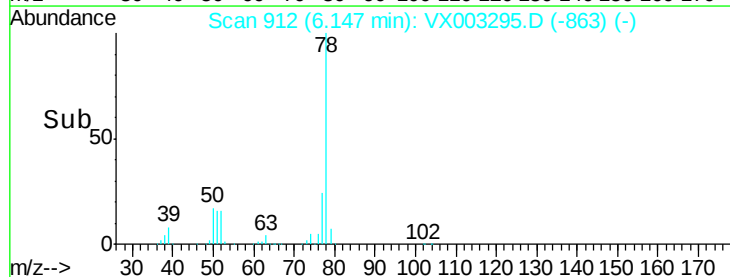
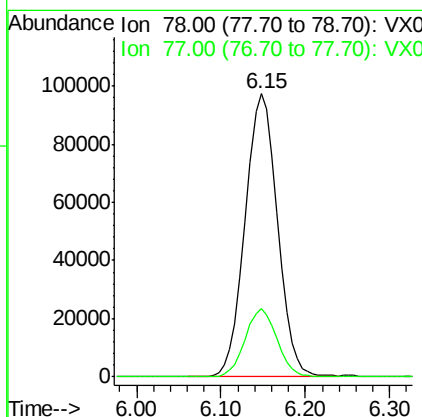
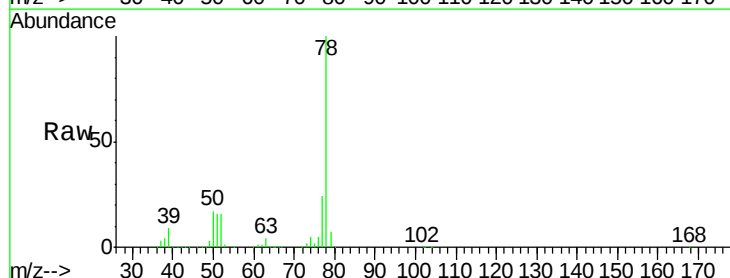
Manual Integrations
APPROVED

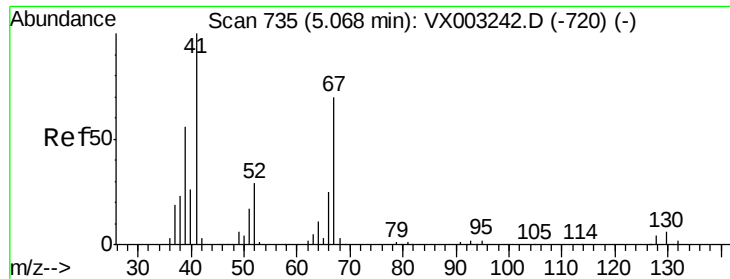
MMDadoda
7/11/2018 3:09:27 PM



#40
Benzene
Concen: 20.45 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





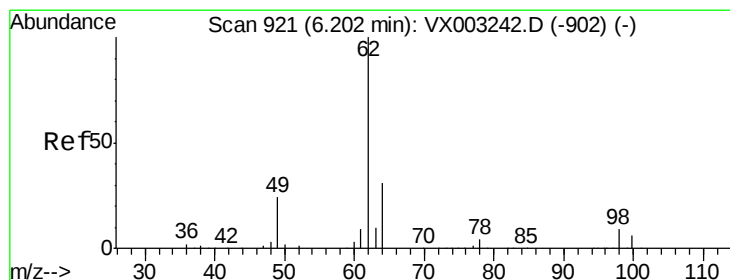
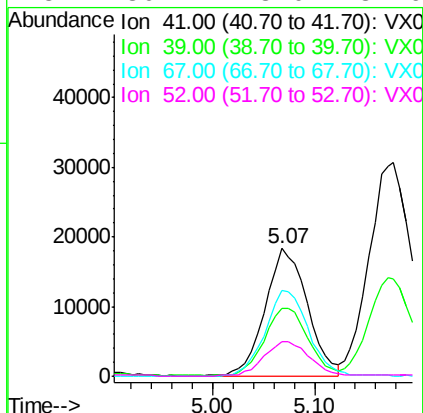
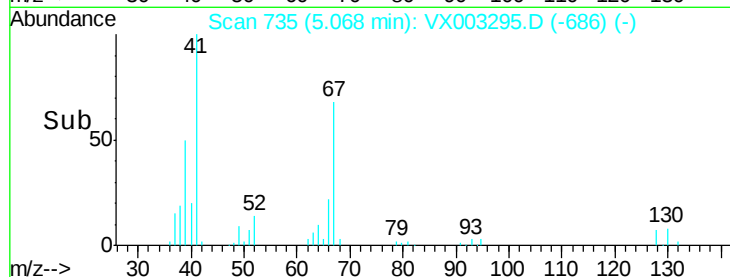
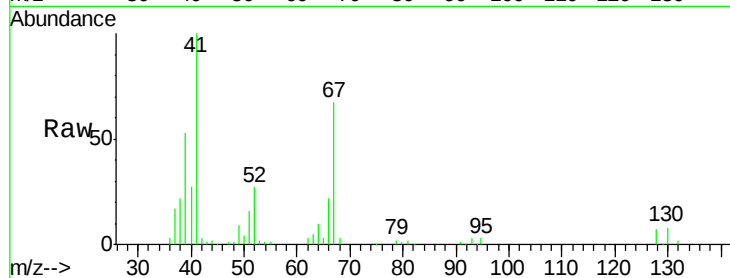
#41
Methacrylonitrile
Concen: 20.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.8	68.6
67	69.3	51.3	76.9
52	30.7	23.0	34.6

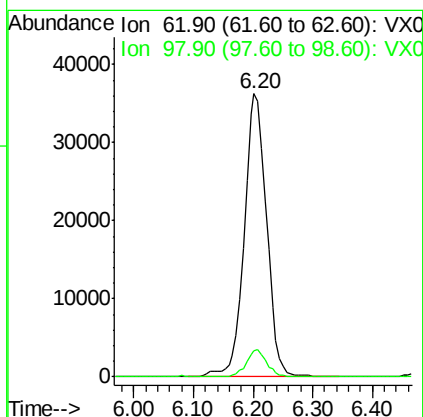
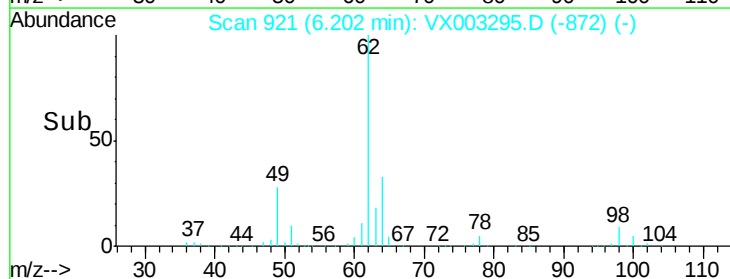
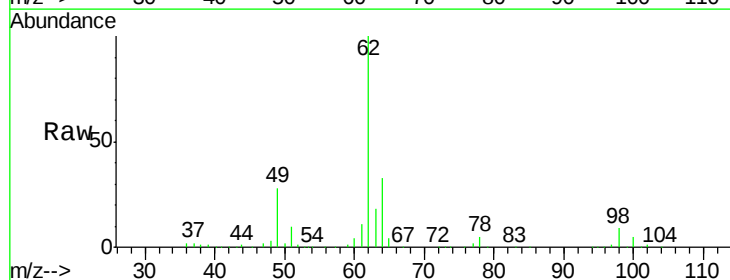
Manual Integrations
APPROVED

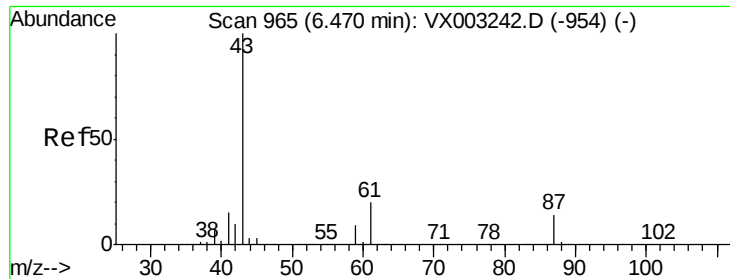
MMDadoda
7/11/2018 3:09:27 PM



#42
1,2-Dichloroethane
Concen: 20.43 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

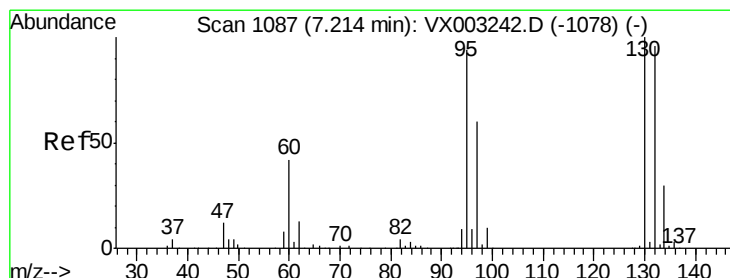
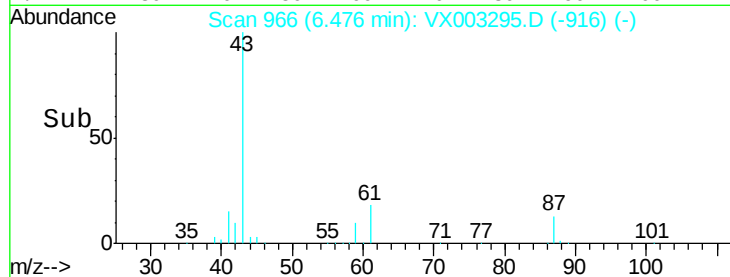
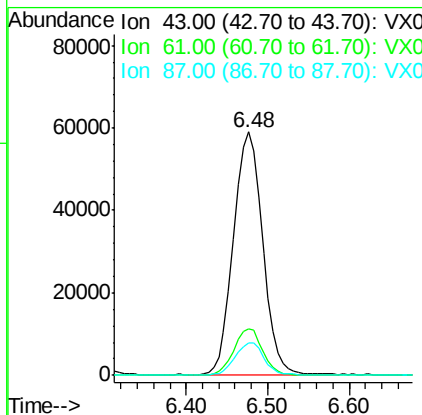
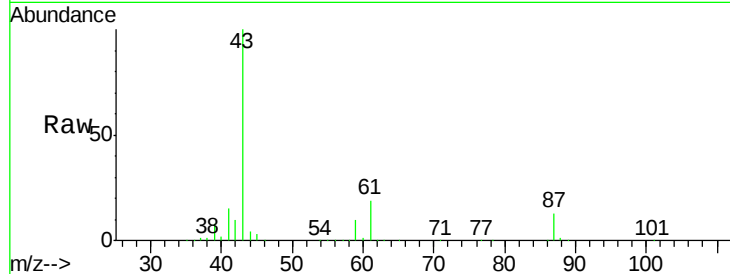
Isopropyl Acetate
 Concen: 20.27 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.4	21.6
87	13.4	9.5	14.3

Manual Integrations
 APPROVED

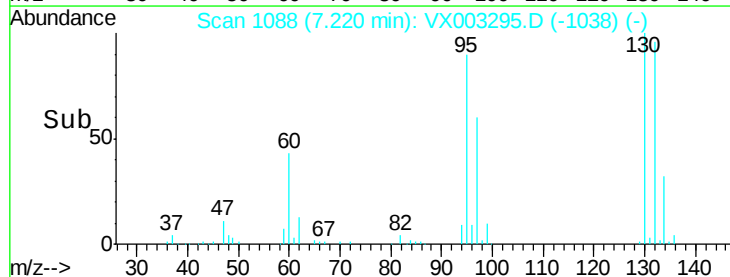
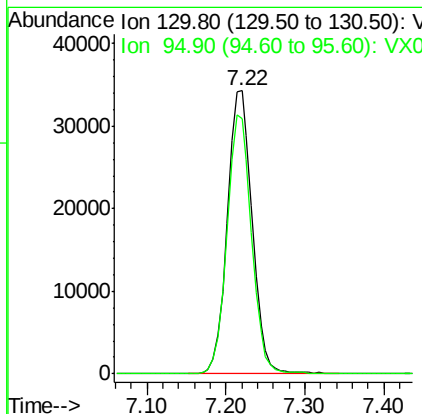
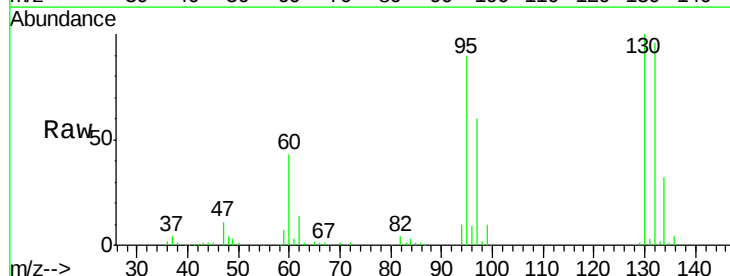
MMDadoda
 7/11/2018 3:09:27 PM

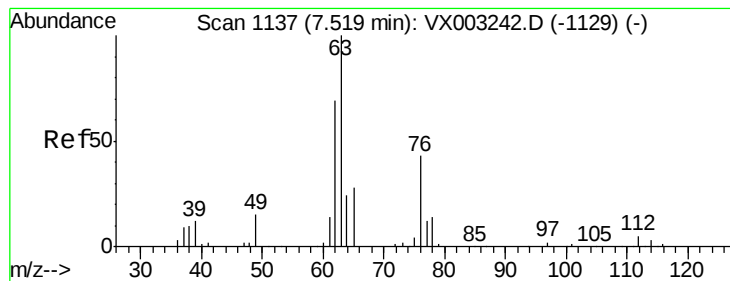


#44

Trichloroethene
 Concen: 20.46 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.11 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampled :

VX0710MBSD01

Tot Ion: 63 Resp: 65022

Ion Ratio Lower Upper

63 100

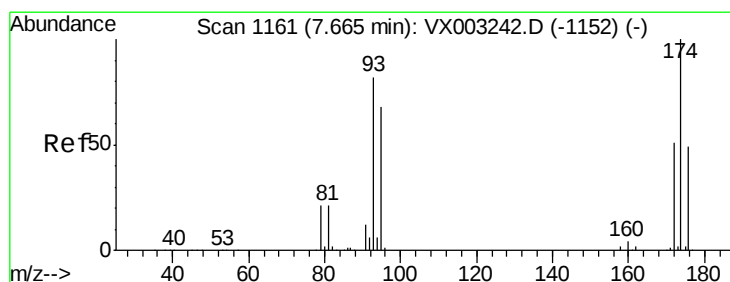
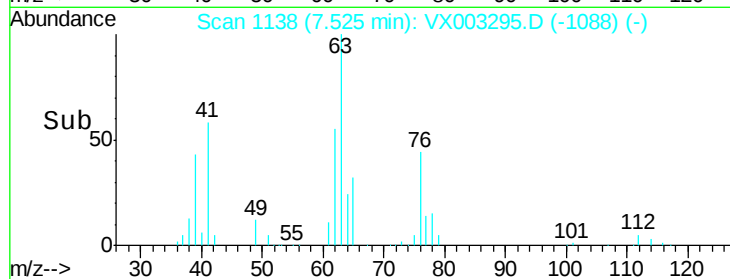
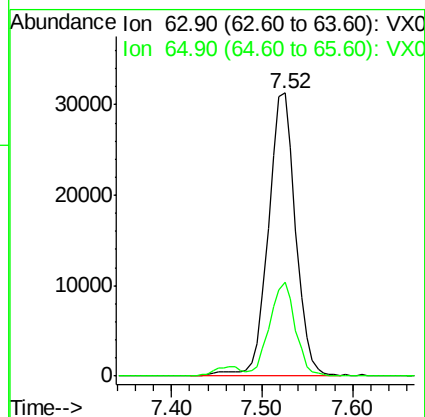
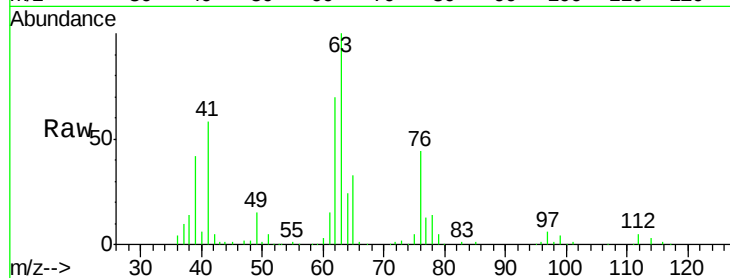
65 33.3 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#46

Dibromomethane

Concen: 20.00 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

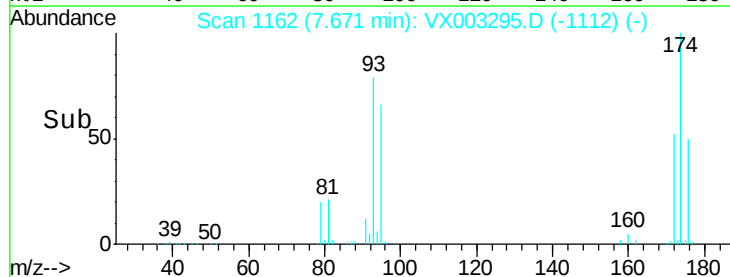
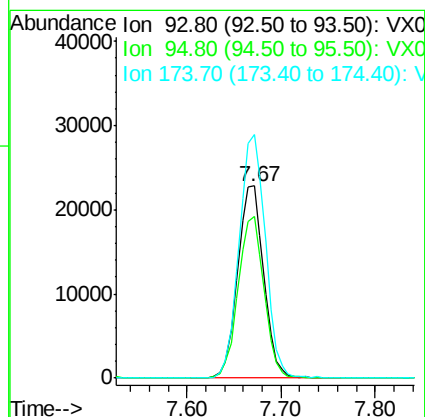
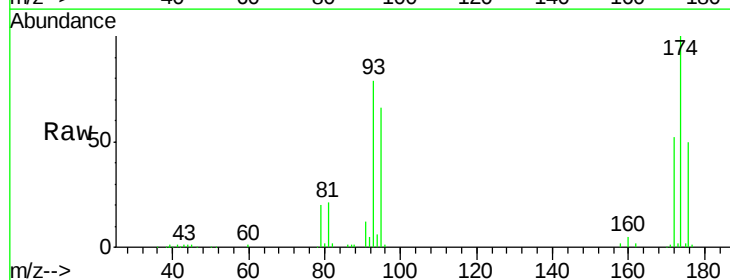
Tgt Ion: 93 Resp: 44069

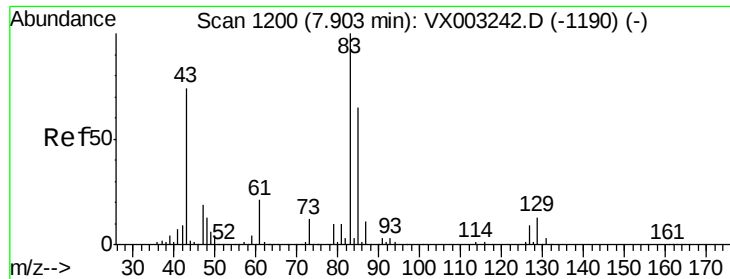
Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

174 127.5 92.4 138.6





#47

Bromodichloromethane

Concen: 20.36 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

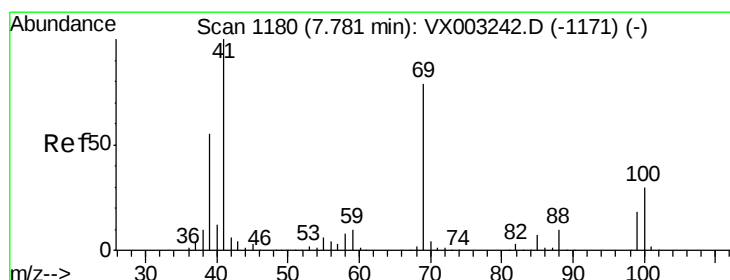
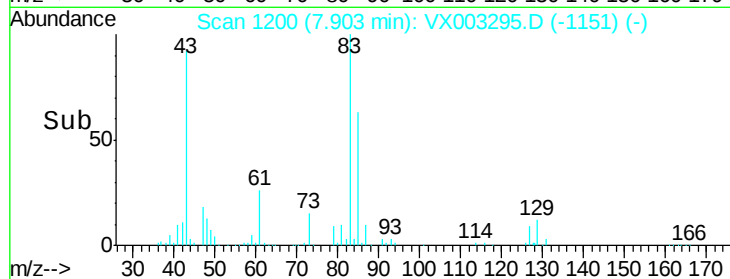
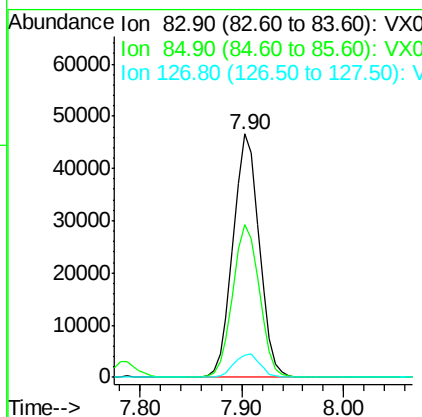
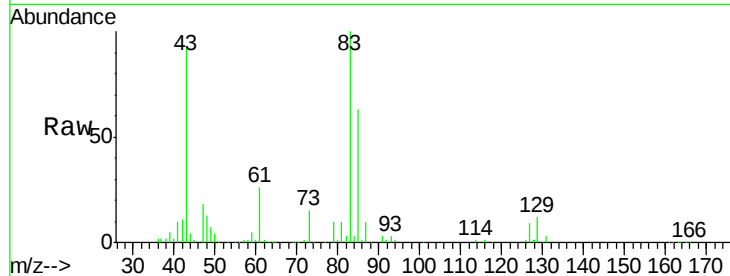
ClientSampleId :

VX0710MBSD01

Tot Ion:	83	Resp:	82767
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.3	75.5
127	9.0	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#48

Methyl methacrylate

Concen: 20.97 ug/l

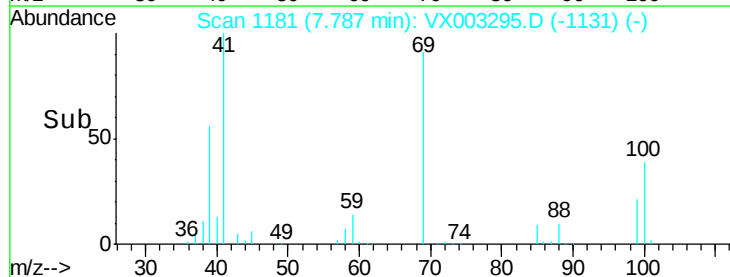
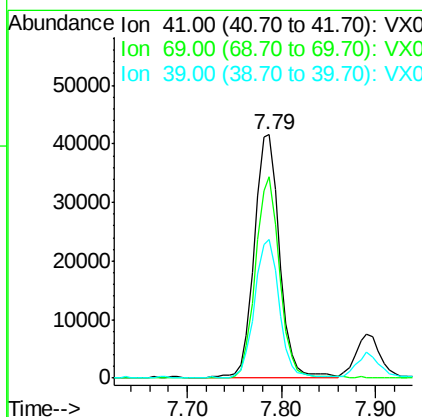
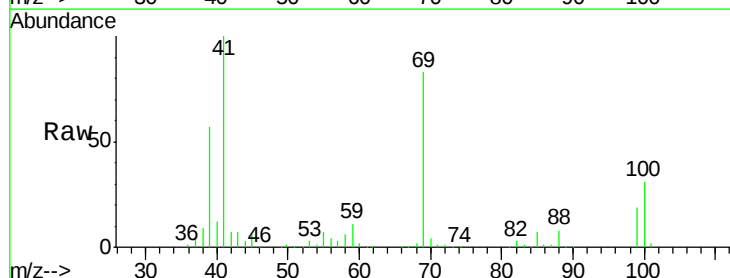
RT: 7.79 min Scan# 1181

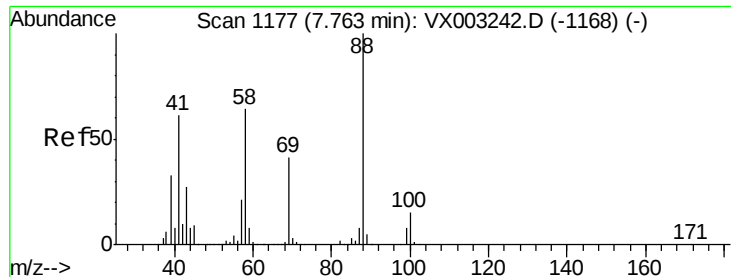
Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	41	Resp:	77679
Ion	Ratio	Lower	Upper
41	100		
69	79.5	59.1	88.7
39	56.1	48.9	73.3





#49

1,4-Dioxane

Concen: 436.65 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

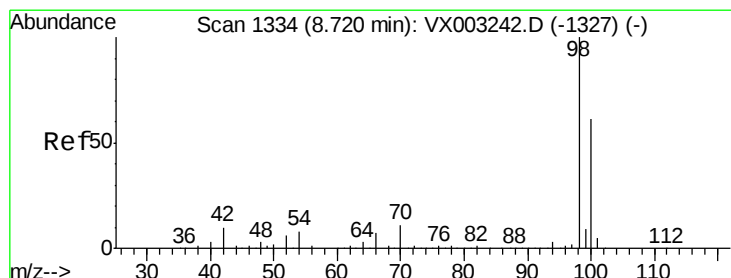
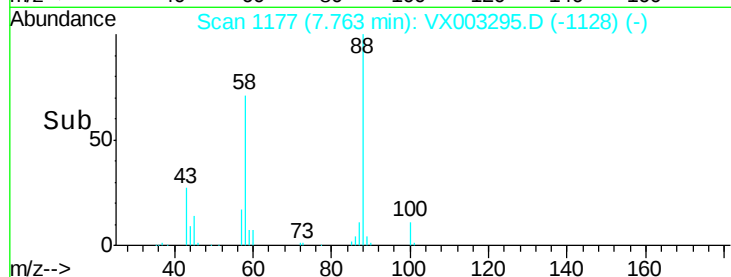
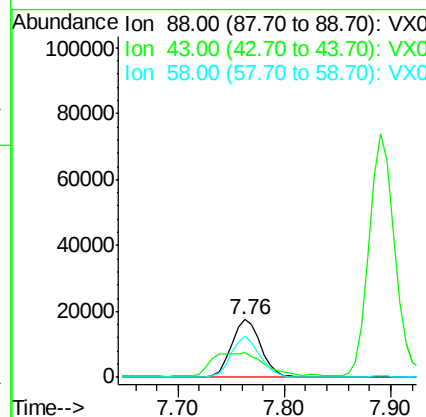
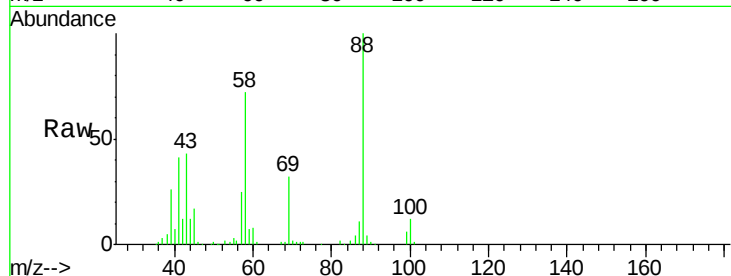
ClientSampleId :

VX0710MBSD01

Tot Ion:	88	Resp:	33825
Ion	Ratio	Lower	Upper
88	100		
43	70.8	29.8	44.6#
58	70.1	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#50

Toluene-d8

Concen: 51.36 ug/l

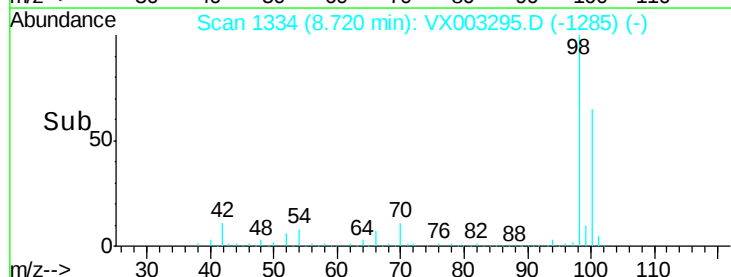
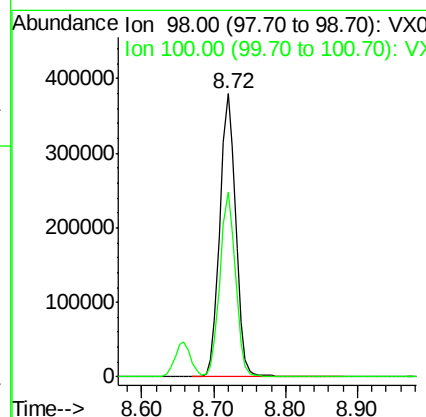
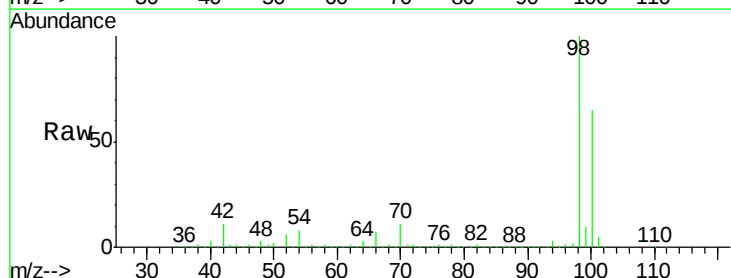
RT: 8.72 min Scan# 1334

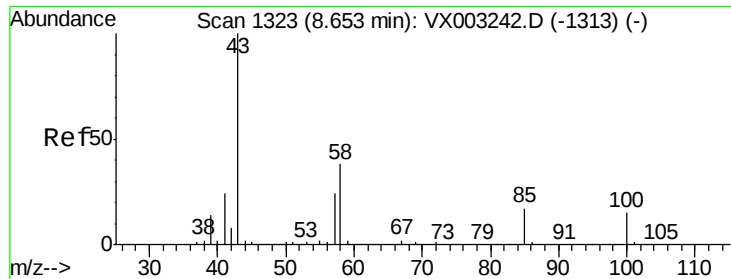
Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	98	Resp:	580938
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 108.82 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampled :

VX0710MBSD01

Tot Ion: 43 Resp: 489388

Ion Ratio Lower Upper

43 100

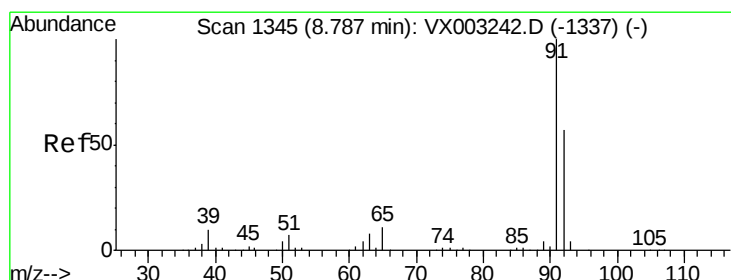
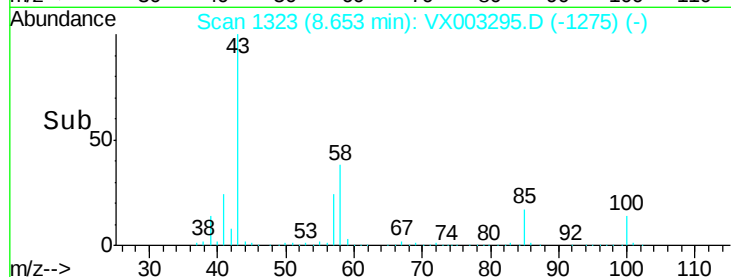
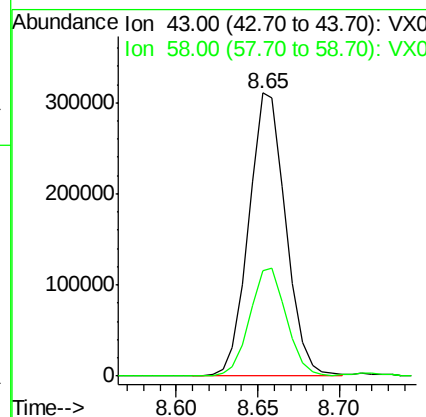
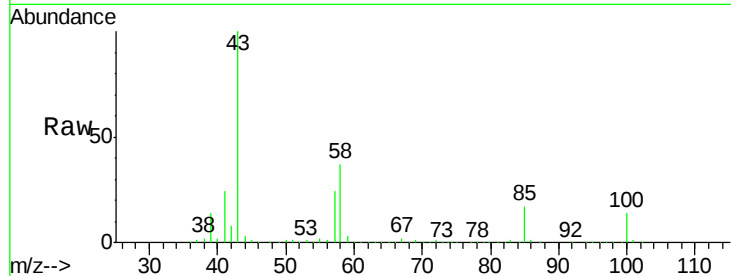
58 37.8 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#52

Toluene

Concen: 20.56 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003295.D

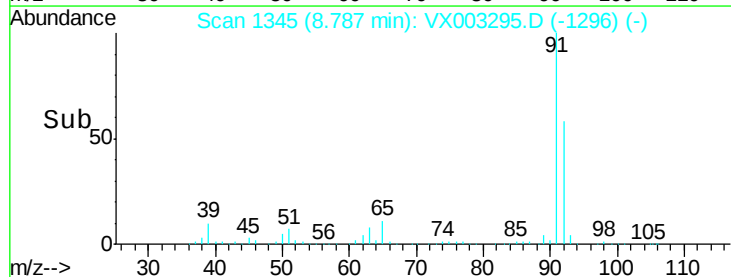
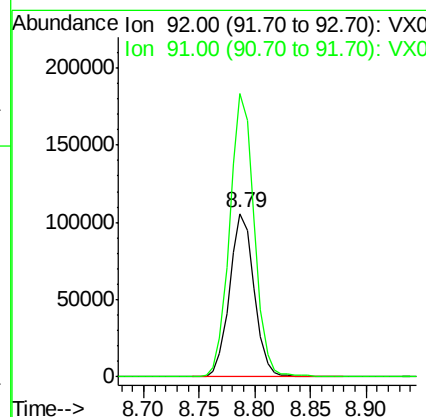
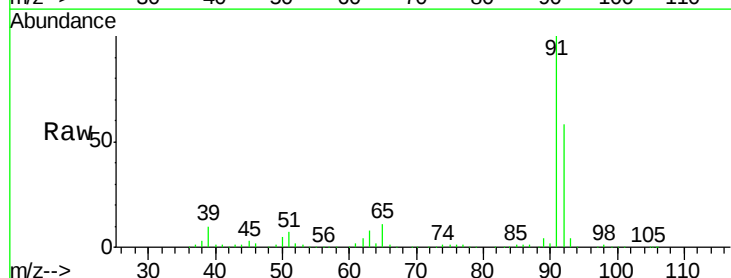
Acq: 10 Jul 2018 20:09

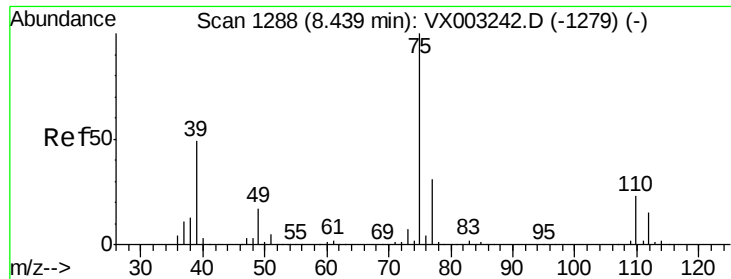
Tgt Ion: 92 Resp: 161595

Ion Ratio Lower Upper

92 100

91 173.4 140.4 210.6





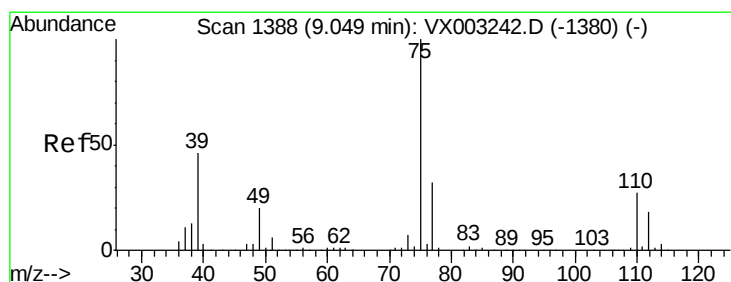
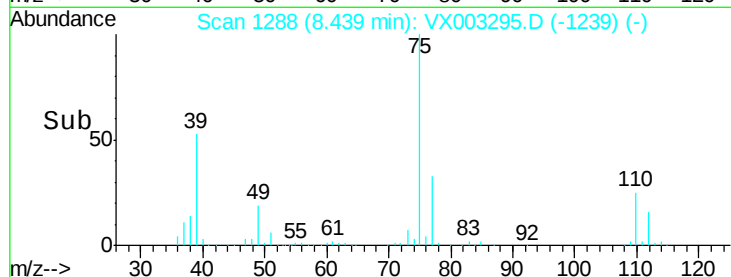
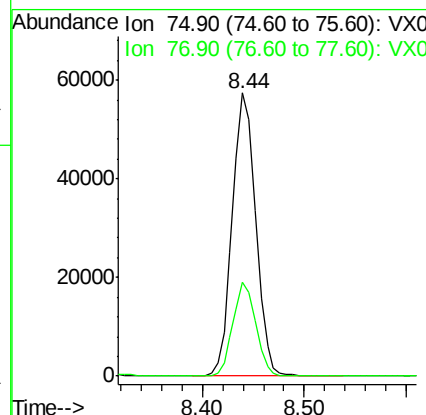
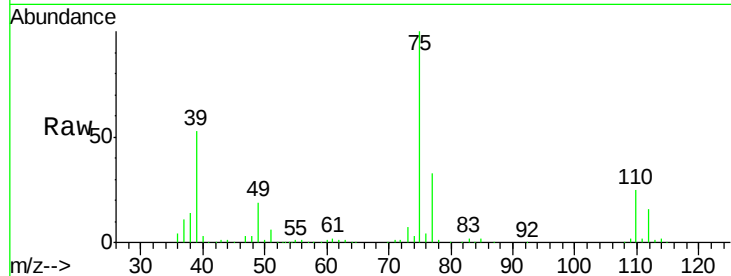
#53
t-1,3-Dichloropropene
Concen: 19.11 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion: 75 Resp: 91448
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2

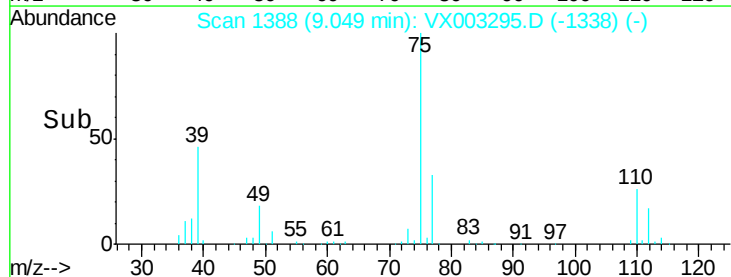
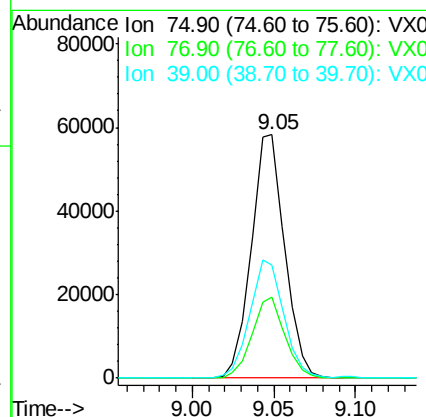
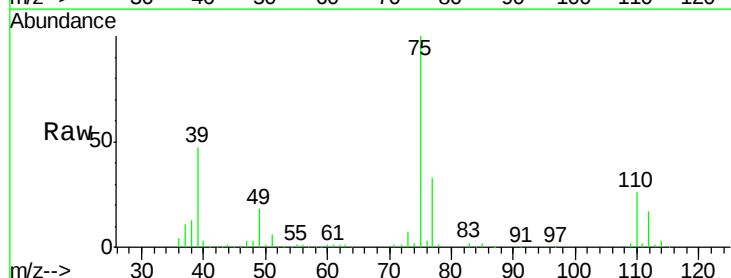
Manual Integrations
APPROVED

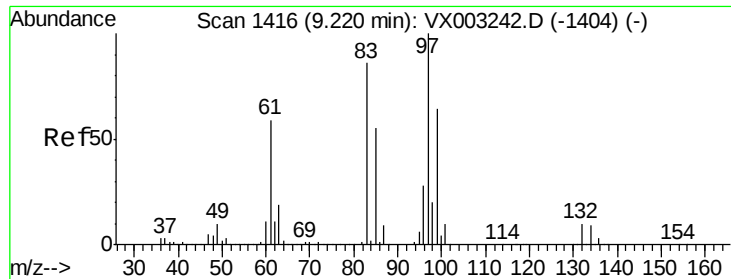
MMDadoda
7/11/2018 3:09:27 PM



#54
cis-1,3-Dichloropropene
Concen: 19.20 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion: 75 Resp: 83595
Ion Ratio Lower Upper
75 100
77 33.1 24.8 37.2
39 46.4 42.4 63.6





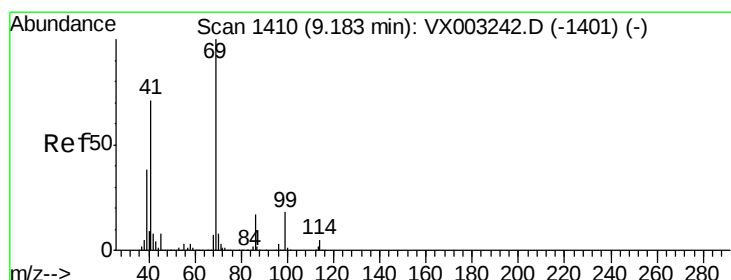
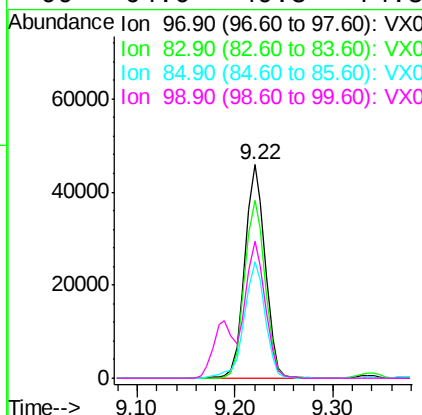
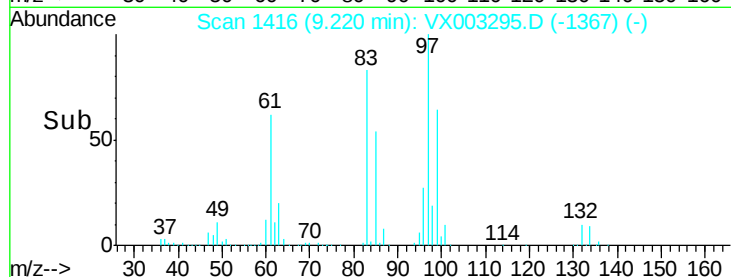
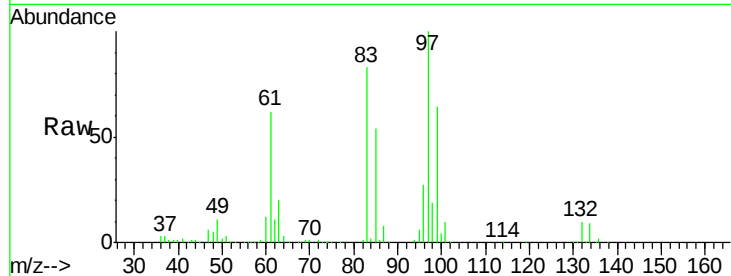
#55
 1,1,2-Trichloroethane
 Concen: 20.45 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion:	97	Resp:	66698
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.2
85	54.4	44.9	67.3
99	64.0	49.8	74.8

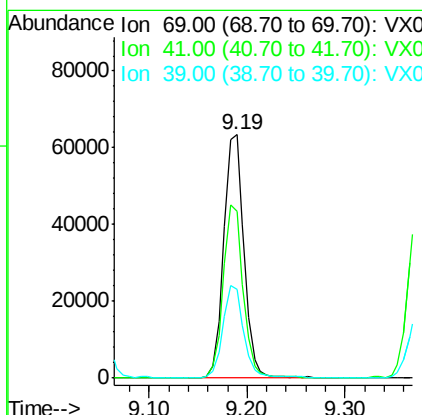
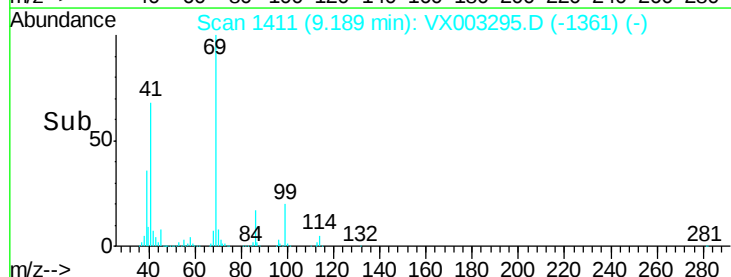
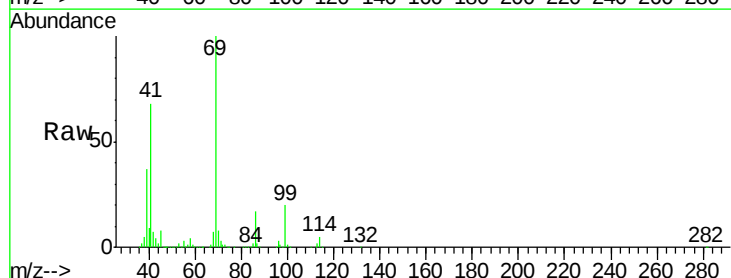
Manual Integrations
 APPROVED

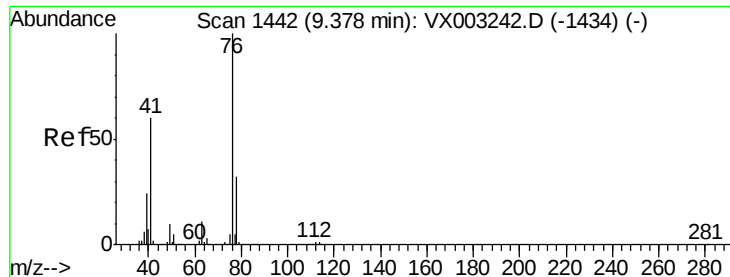
MMDadoda
 7/11/2018 3:09:27 PM



#56
 Ethyl methacrylate
 Concen: 20.47 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion:	69	Resp:	91437
Ion	Ratio	Lower	Upper
69	100		
41	69.6	60.3	90.5
39	38.7	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.16 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 76 Resp: 105898

Ion Ratio Lower Upper

76 100

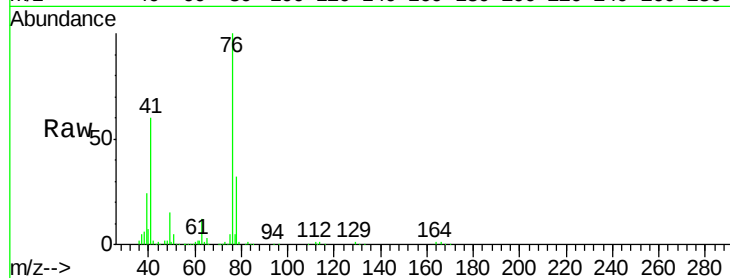
78 31.9 25.8 38.6

Manual Integrations

APPROVED

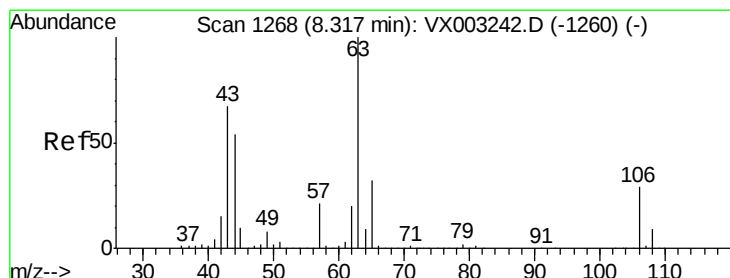
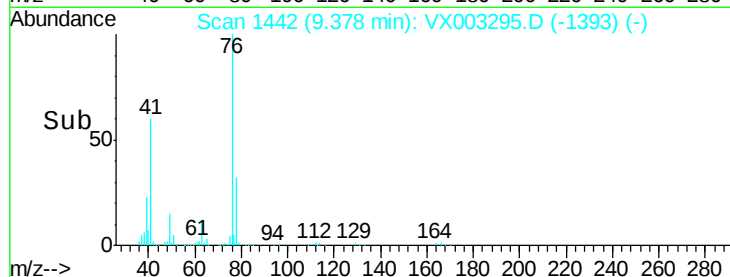
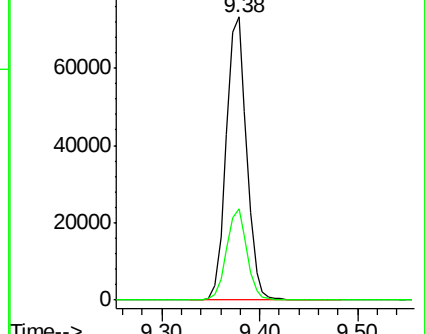
MMDadoda

7/11/2018 3:09:27 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 126.08 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003295.D

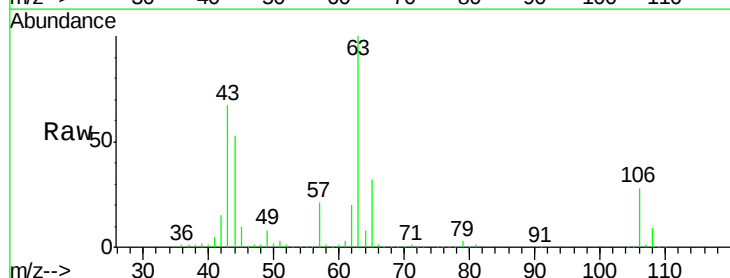
Acq: 10 Jul 2018 20:09

Tgt Ion: 63 Resp: 271648

Ion Ratio Lower Upper

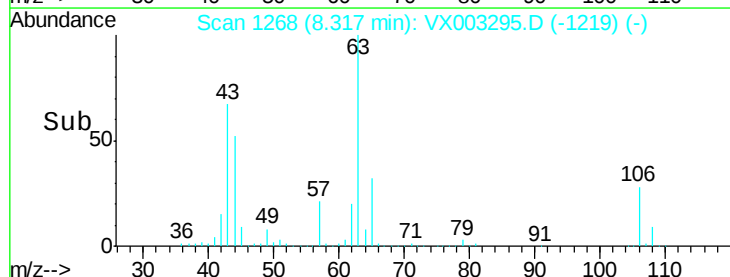
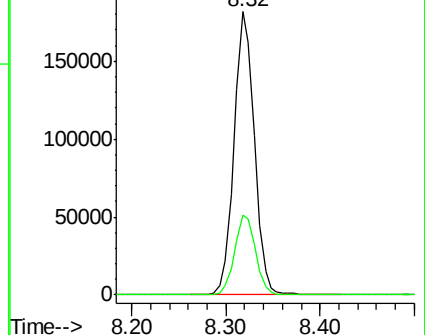
63 100

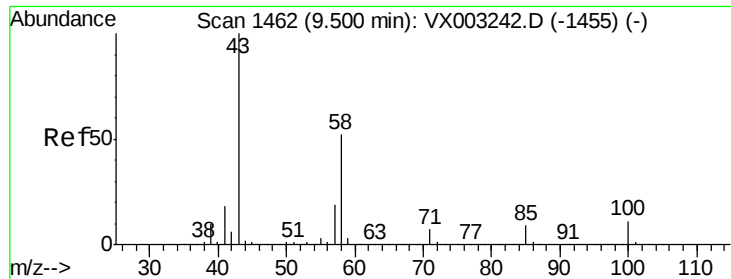
106 29.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 111.44 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 43 Resp: 380653

Ion Ratio Lower Upper

43 100

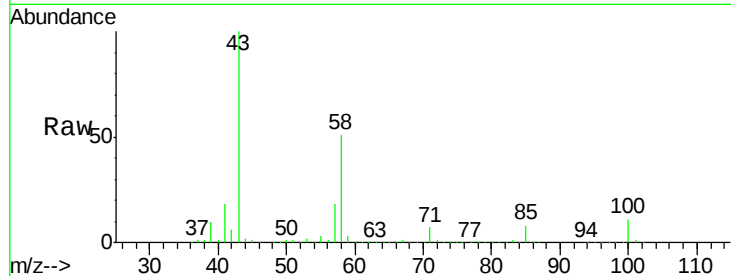
58 51.9 24.6 73.6

Manual Integrations

APPROVED

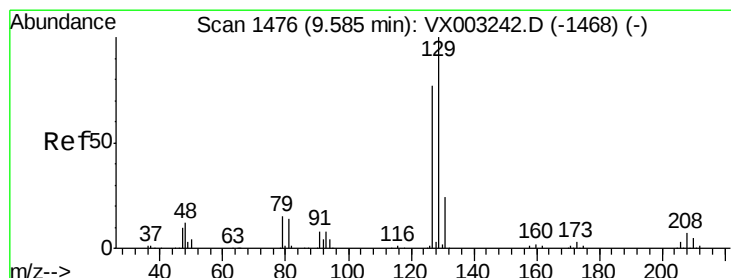
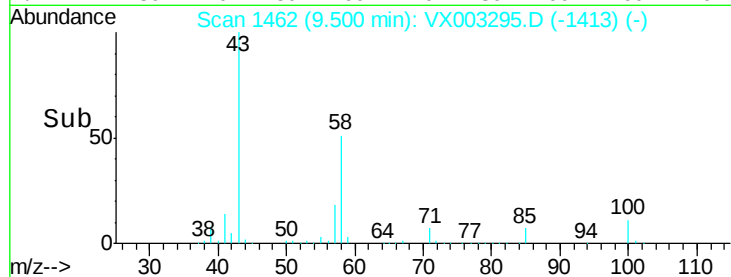
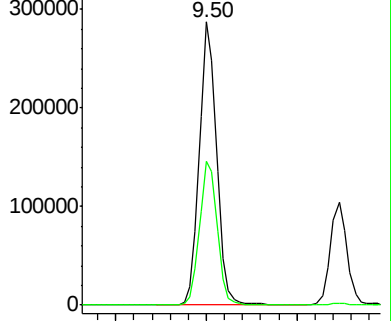
MMDadoda

7/11/2018 3:09:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 20.29 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003295.D

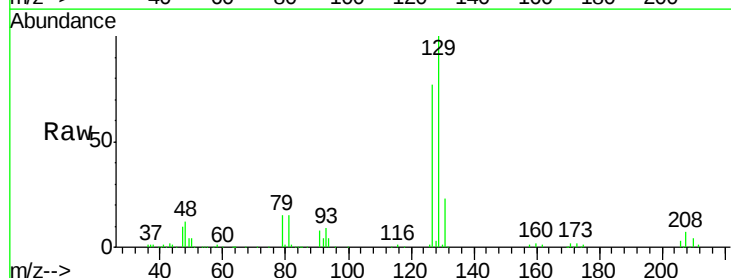
Acq: 10 Jul 2018 20:09

Tgt Ion:129 Resp: 69078

Ion Ratio Lower Upper

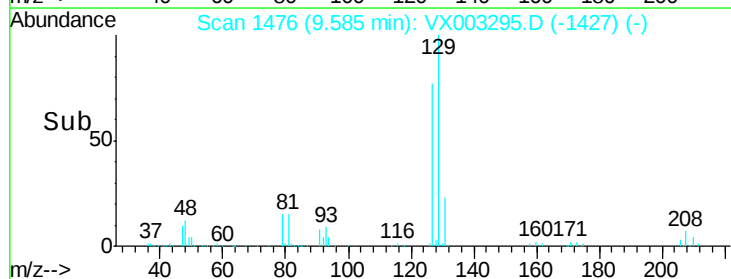
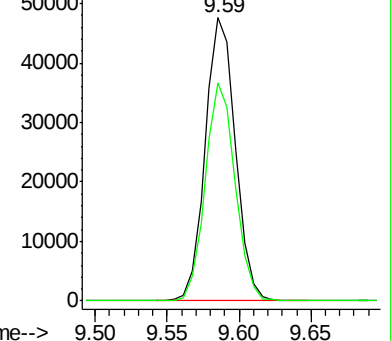
129 100

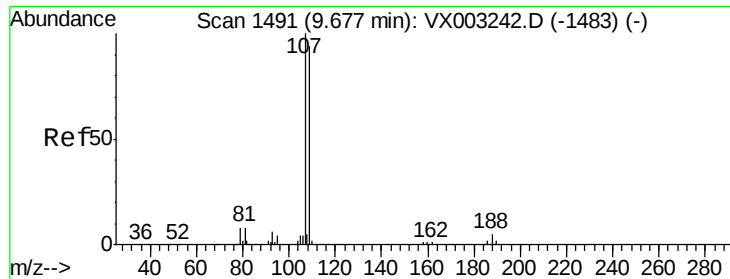
127 76.2 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





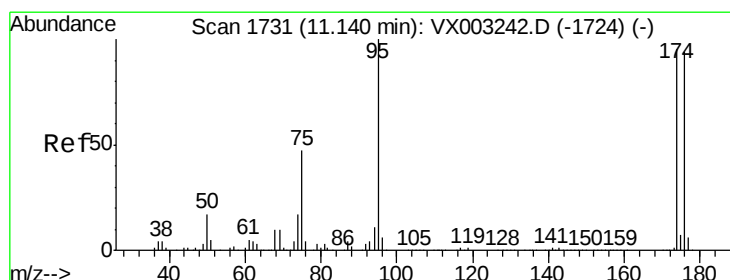
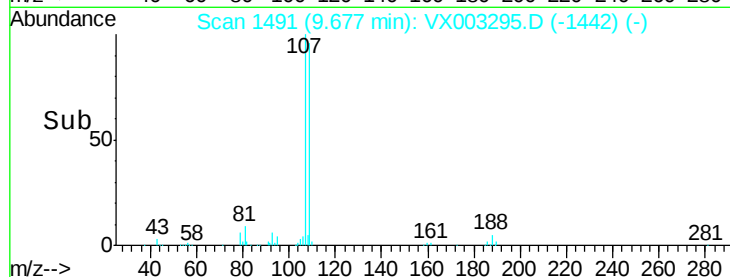
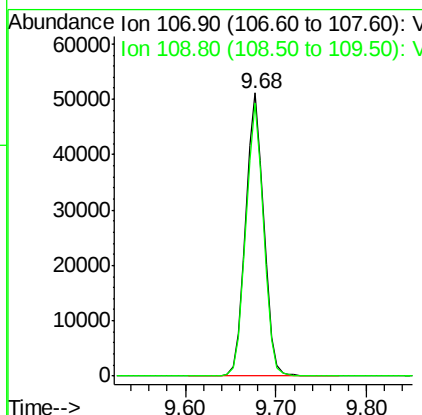
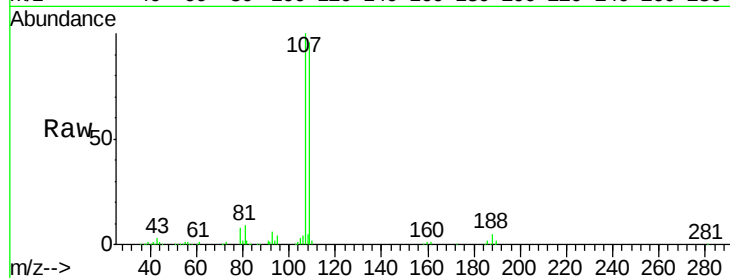
#61
 1,2-Dibromoethane
 Concen: 20.78 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

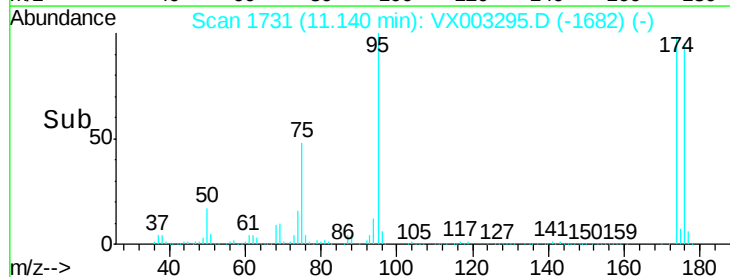
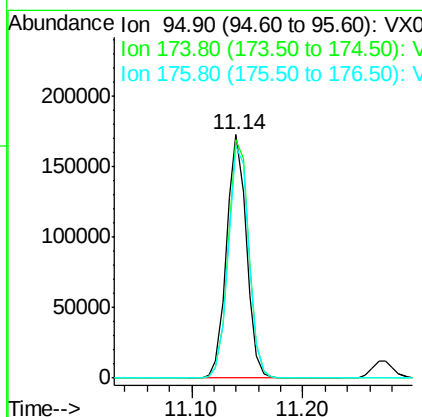
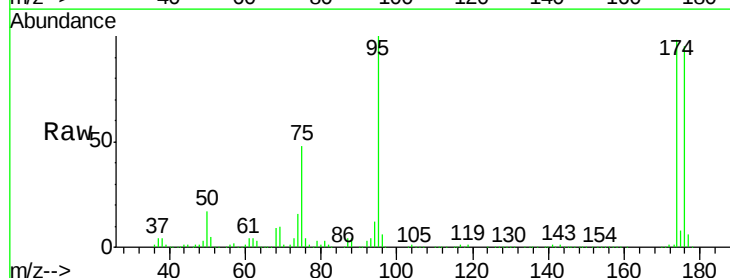
Manual Integrations
 APPROVED

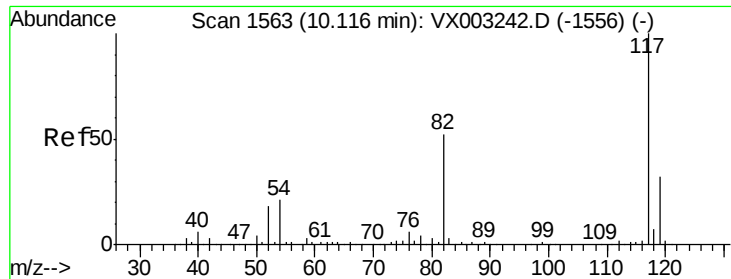
MMDadoda
 7/11/2018 3:09:27 PM



#62
 4-Bromofluorobenzene
 Concen: 50.97 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.7	0.0	187.4
176	99.0	0.0	181.0





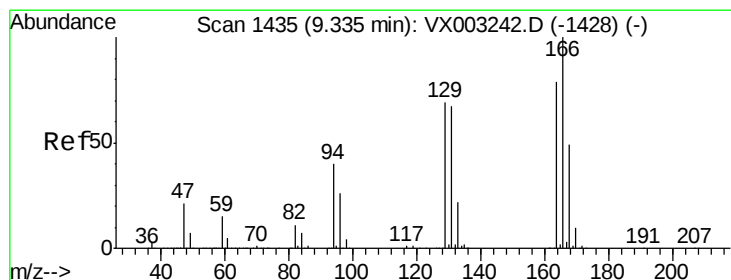
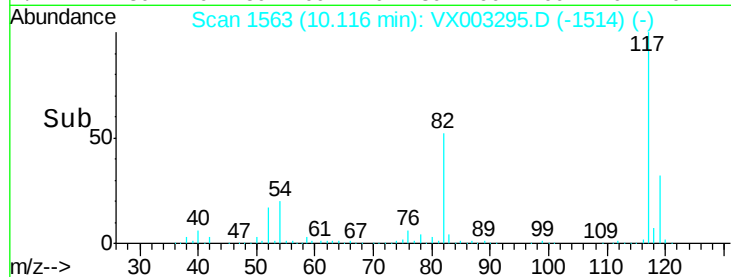
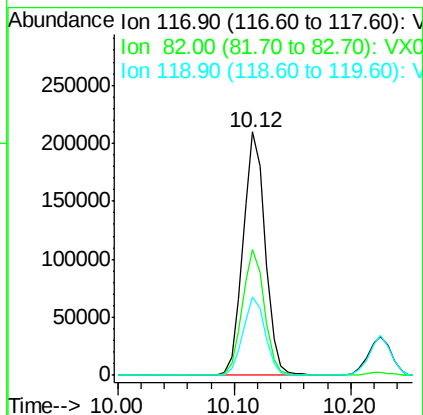
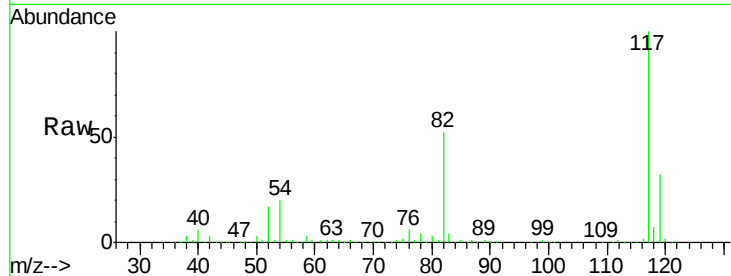
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.0	67.4
119	32.0	25.8	38.6

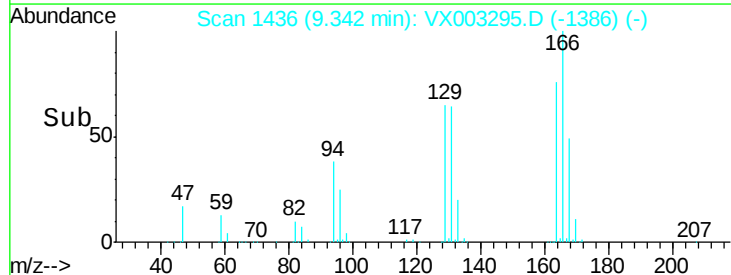
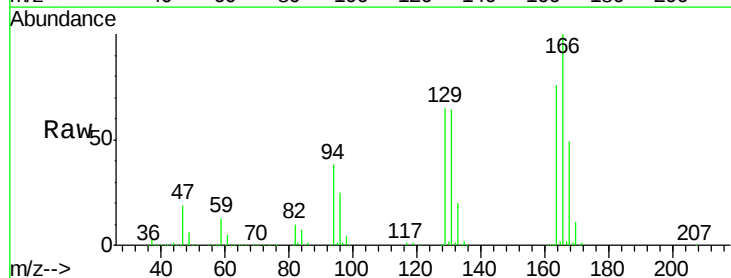
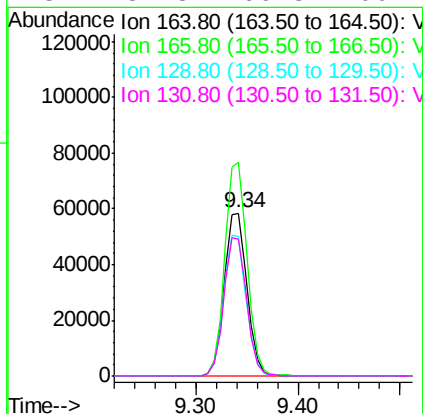
Manual Integrations
APPROVED

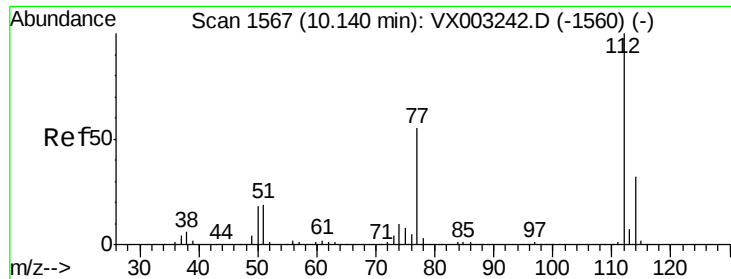
MMDadoda
7/11/2018 3:09:27 PM



#64
Tetrachloroethene
Concen: 21.27 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.9	154.3
129	85.2	68.6	102.8
131	84.3	66.8	100.2





#65

Chlorobenzene

Concen: 19.71 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion:112 Resp: 186961

Ion Ratio Lower Upper

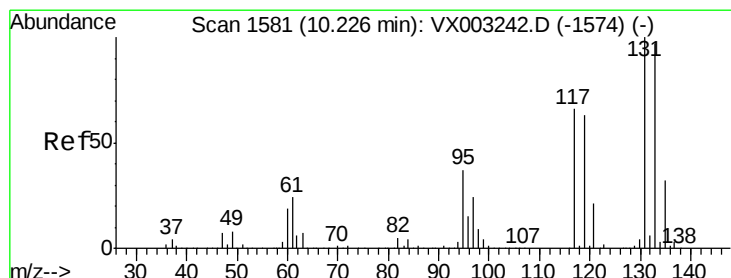
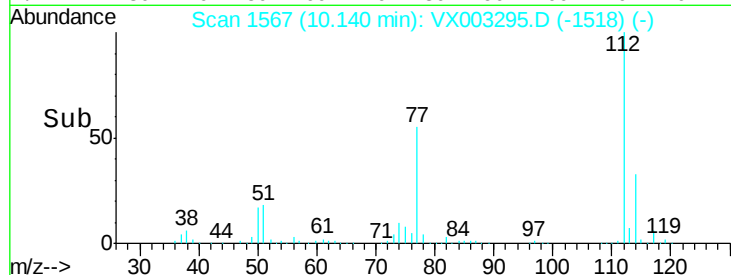
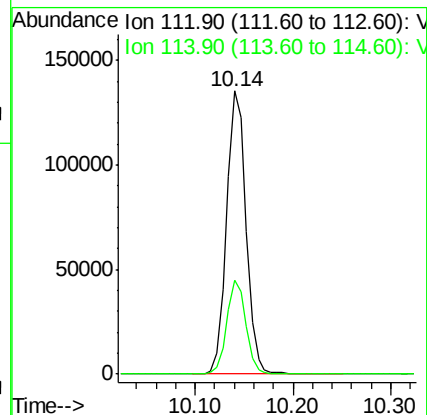
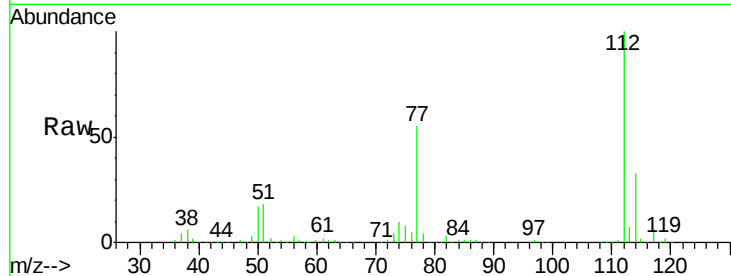
112 100

114 33.2 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.25 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

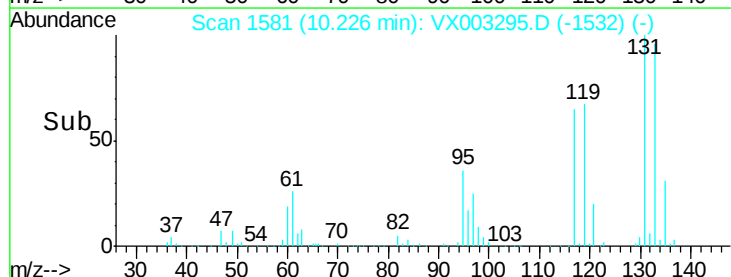
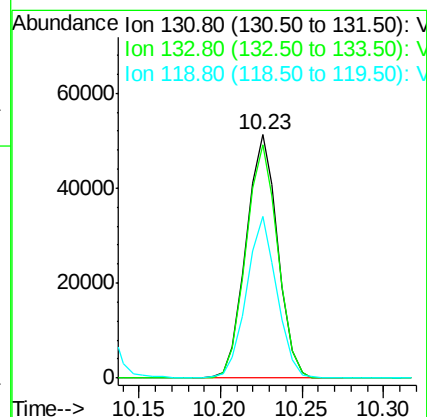
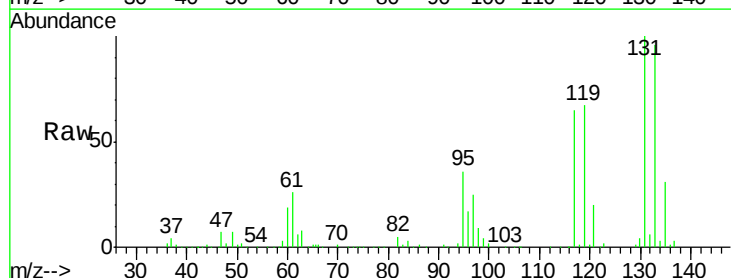
Tgt Ion:131 Resp: 69303

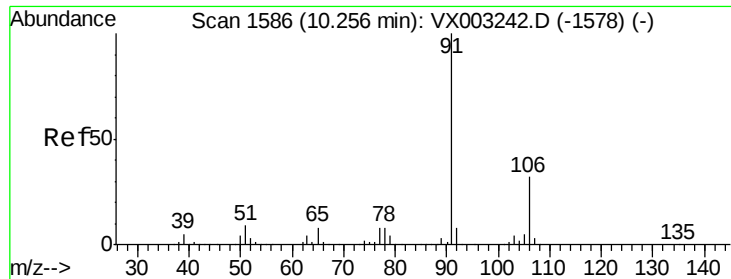
Ion Ratio Lower Upper

131 100

133 96.3 47.9 143.6

119 63.9 31.8 95.3





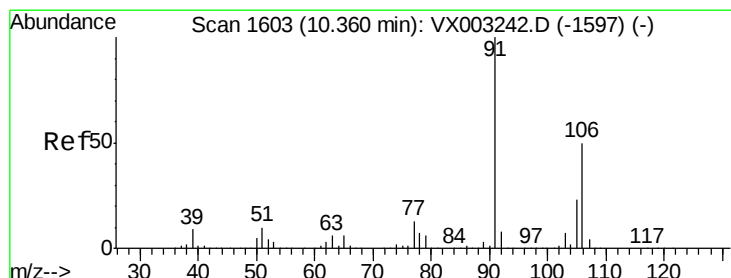
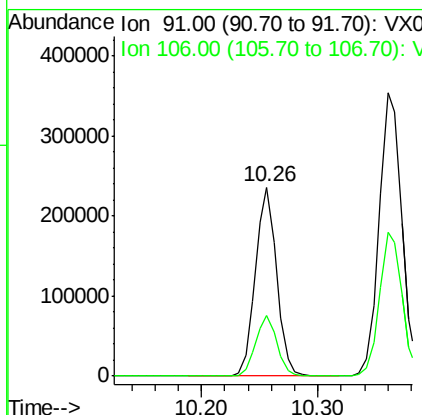
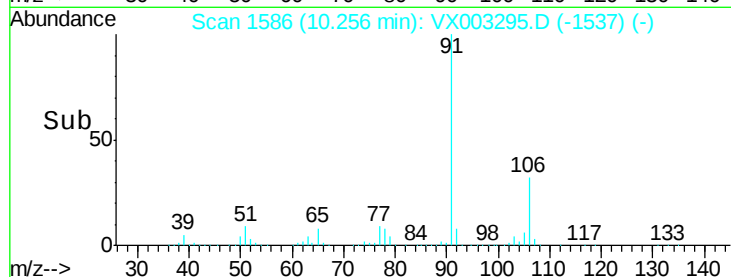
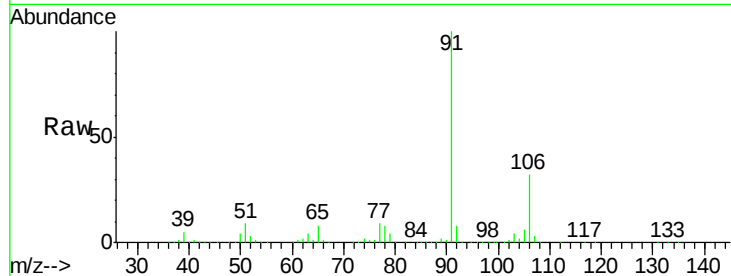
#67
Ethyl Benzene
Concen: 19.62 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampled :
VX0710MBSD01

Tot Ion: 91 Resp: 301036
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3

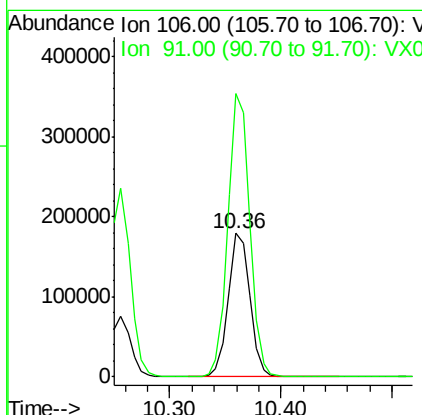
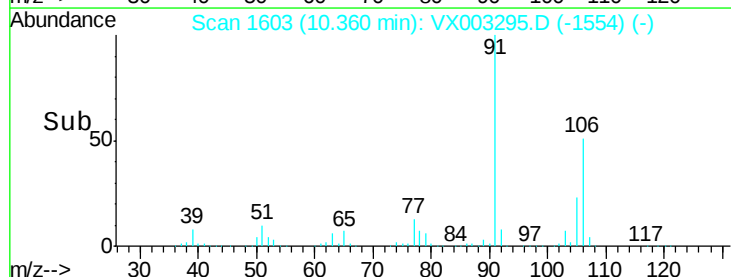
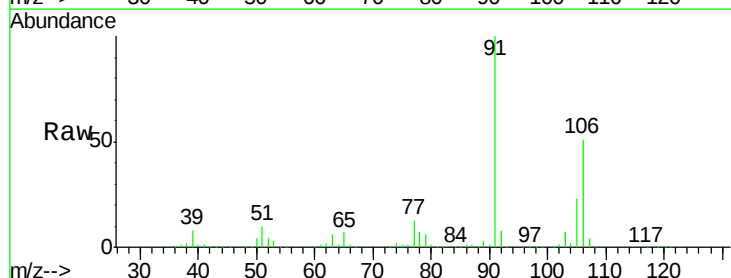
Manual Integrations
APPROVED

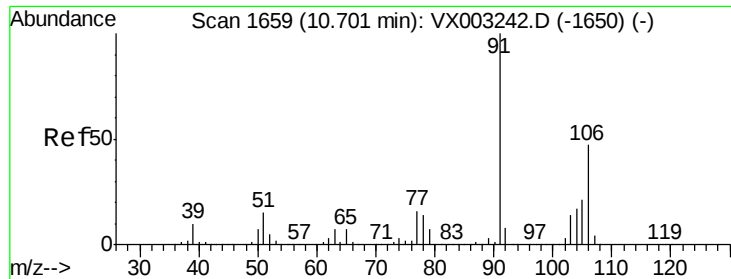
MMDadoda
7/11/2018 3:09:27 PM



#68
m/p-Xylenes
Concen: 40.45 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion: 106 Resp: 241460
Ion Ratio Lower Upper
106 100
91 199.0 163.4 245.2





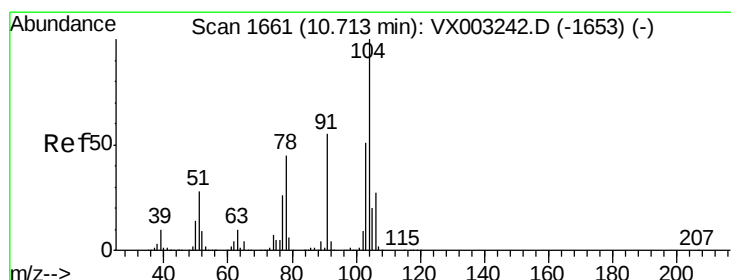
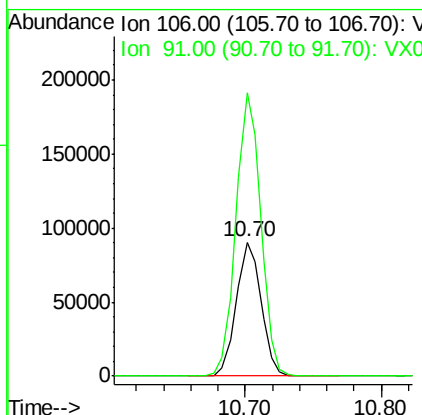
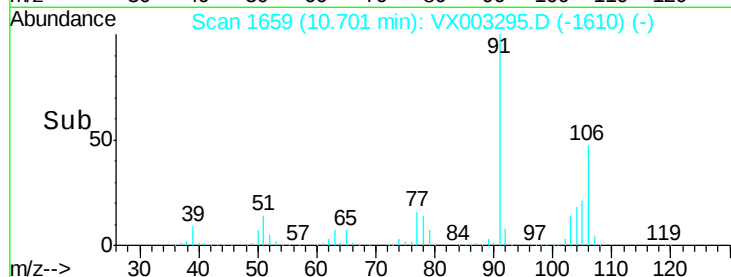
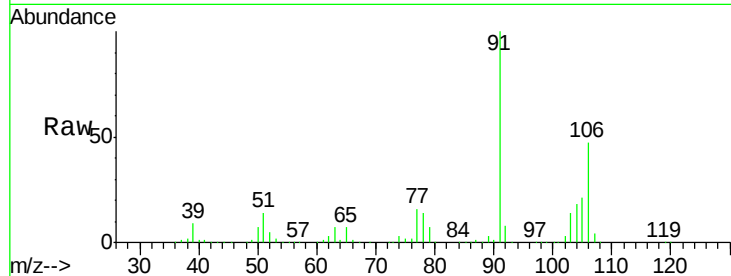
#69
o-Xylene
Concen: 19.94 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampled :
VX0710MBSD01

Tot Ion:106 Resp: 115291
Ion Ratio Lower Upper
106 100
91 211.6 108.2 324.6

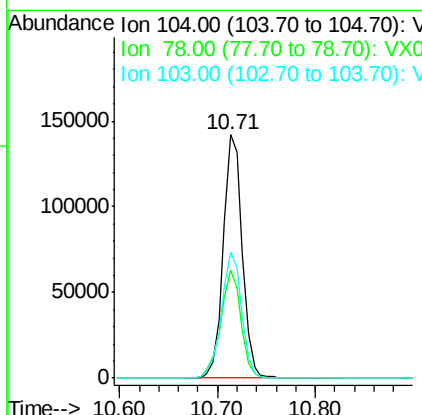
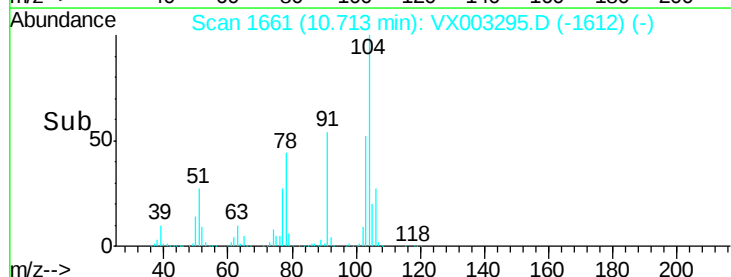
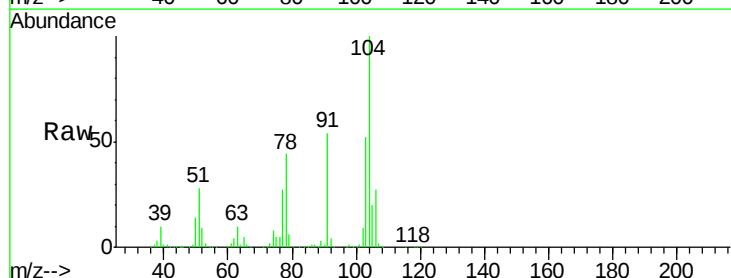
Manual Integrations
APPROVED

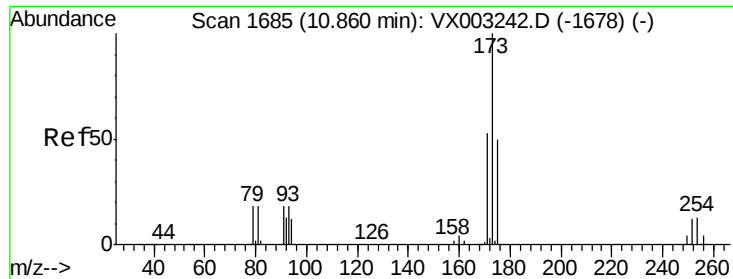
MMDadoda
7/11/2018 3:09:27 PM



#70
Styrene
Concen: 20.33 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion:104 Resp: 190582
Ion Ratio Lower Upper
104 100
78 47.7 41.0 61.6
103 54.9 44.2 66.4





#71

Bromoform

Concen: 19.51 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion:173 Resp: 54936

Ion Ratio Lower Upper

173 100

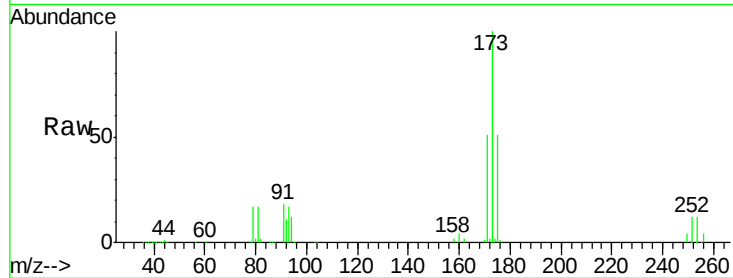
175 49.4 24.7 74.1

254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda

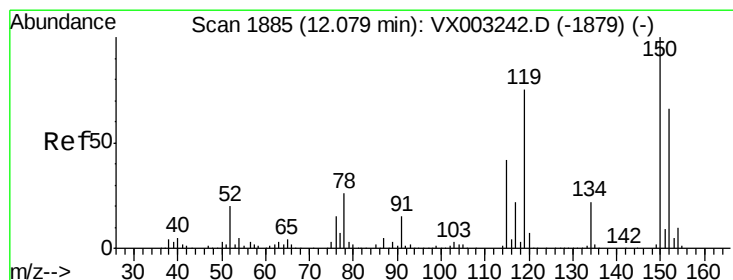
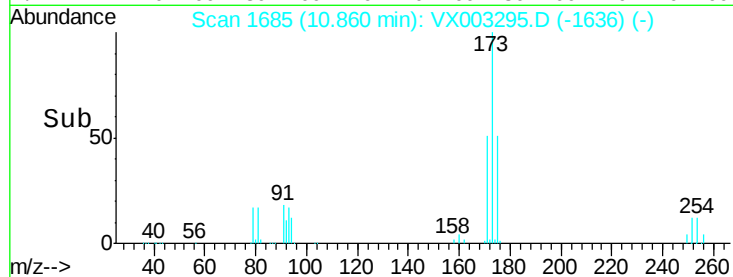
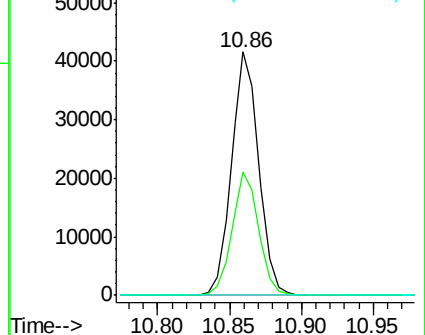
7/11/2018 3:09:27 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

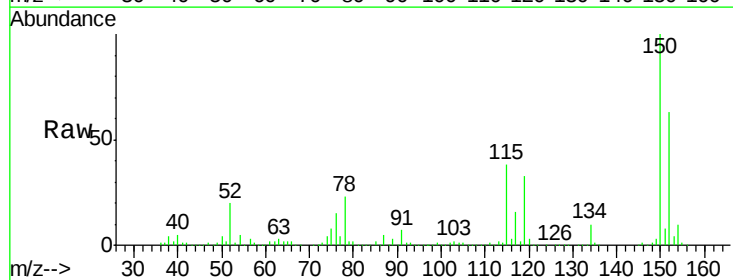
Tgt Ion:152 Resp: 197467

Ion Ratio Lower Upper

152 100

115 63.8 40.1 120.2

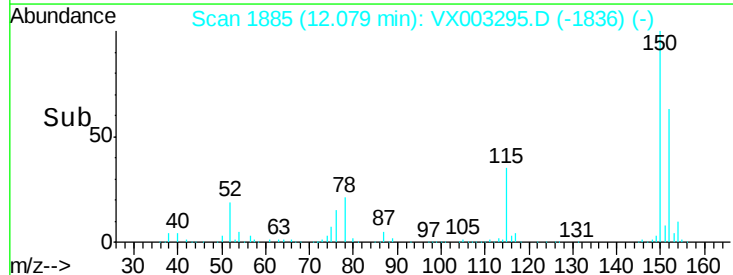
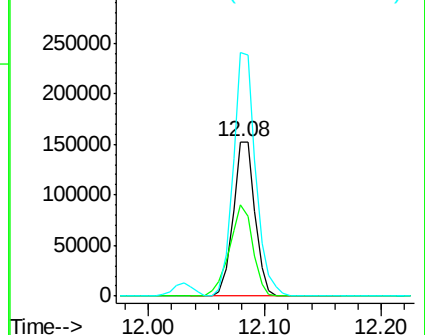
150 163.8 0.0 347.2

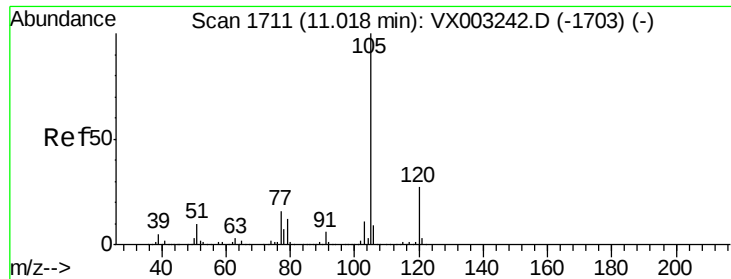


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.28 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion:105 Resp: 316225

Ion Ratio Lower Upper

105 100

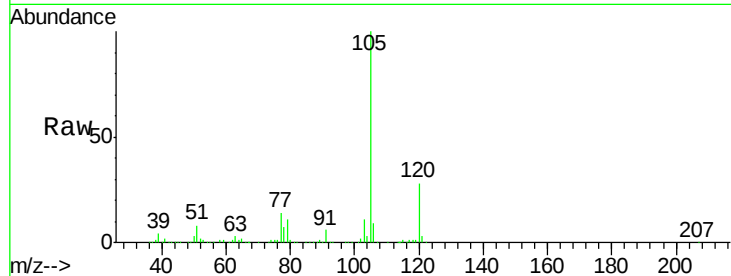
120 27.2 13.5 40.4

Manual Integrations

APPROVED

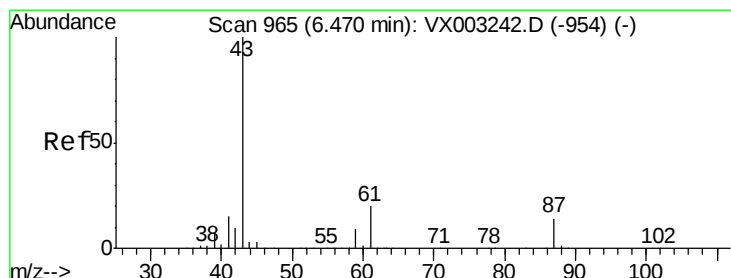
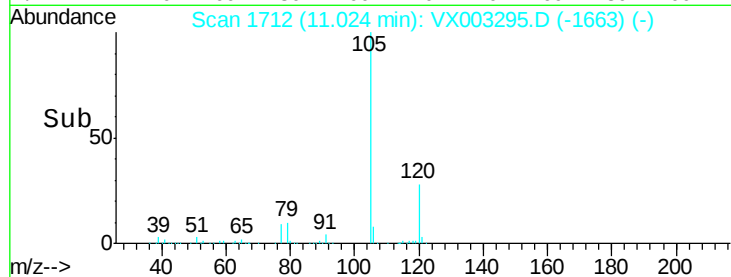
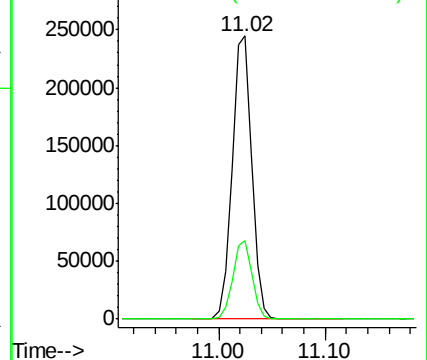
MMDadoda

7/11/2018 3:09:27 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: 19.68 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion: 43 Resp: 146398

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

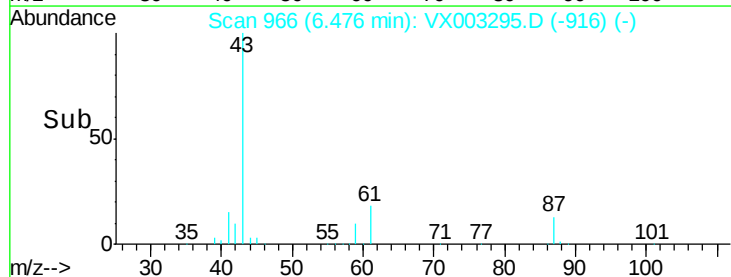
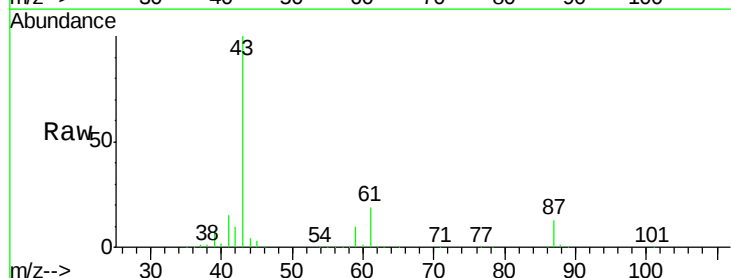
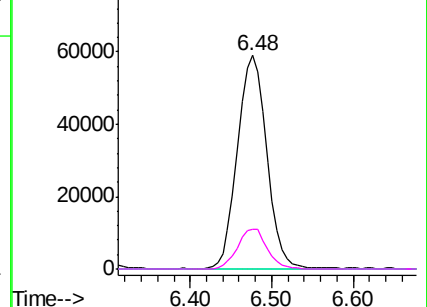
61 18.9 14.4 21.6

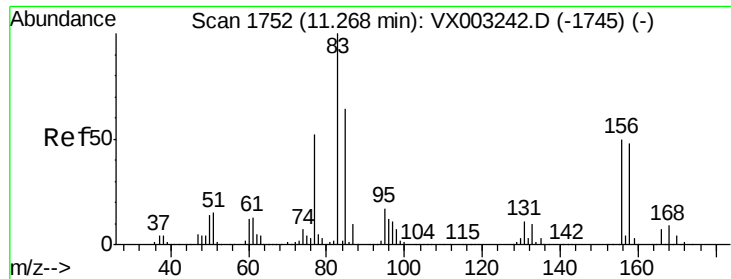
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.90 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

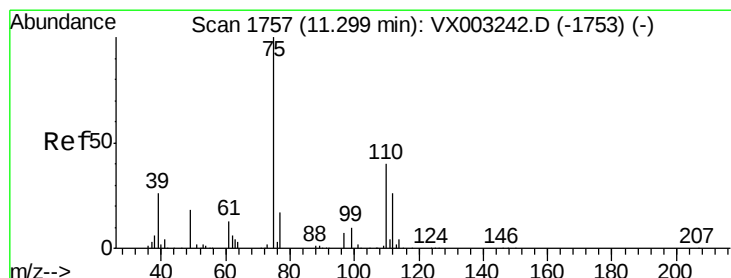
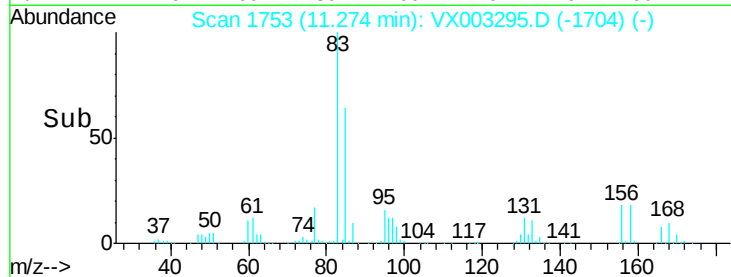
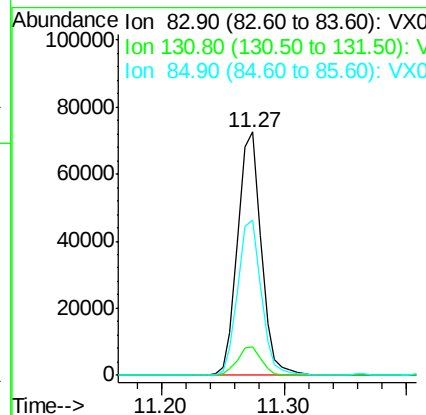
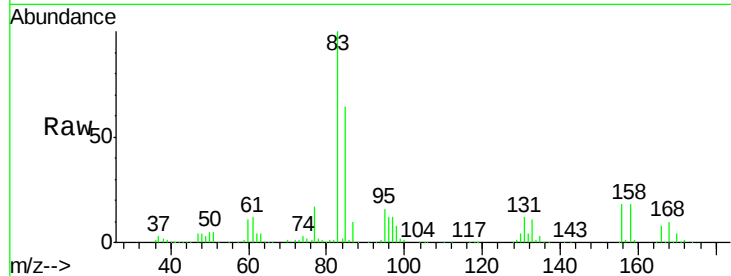
ClientSampleId :

VX0710MBSD01

Tot Ion:	83	Resp:	96213
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.6	16.8
85	64.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#76

1,2,3-Trichloropropane

Concen: 19.82 ug/l m

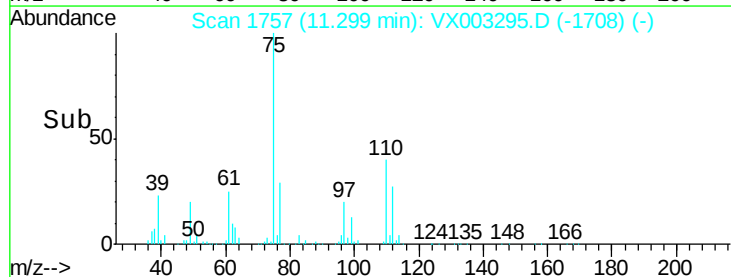
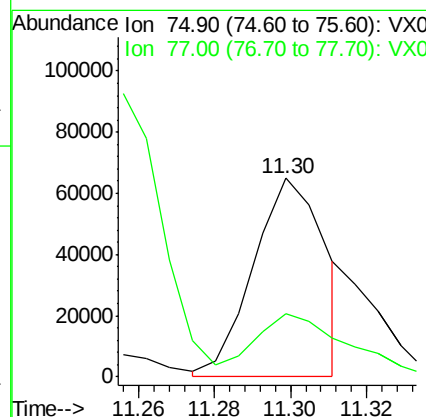
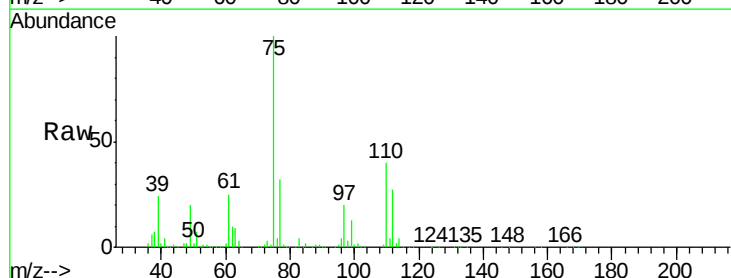
RT: 11.30 min Scan# 1757

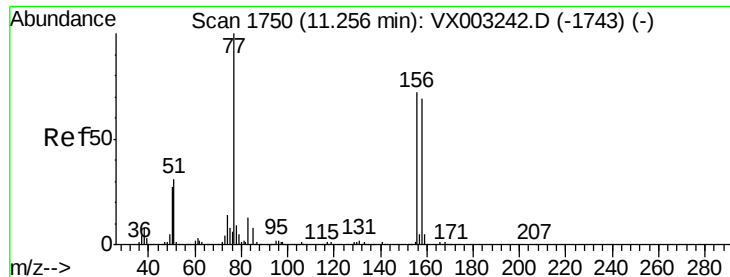
Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	75	Resp:	84581
Ion Ratio	Lower	Upper	
75	100		
77	41.2	22.8	68.3





#77

Bromobenzene

Concen: 20.40 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion:156 Resp: 91816

Ion Ratio Lower Upper

156 100

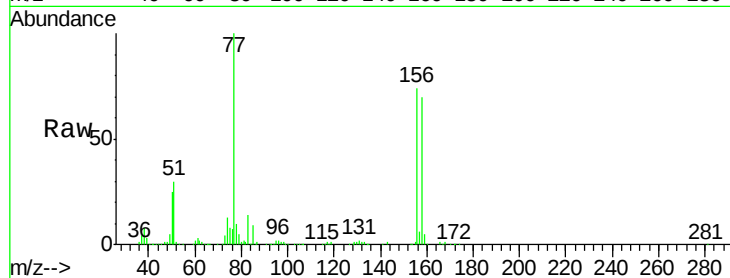
77 129.8 71.4 214.2

158 97.9 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

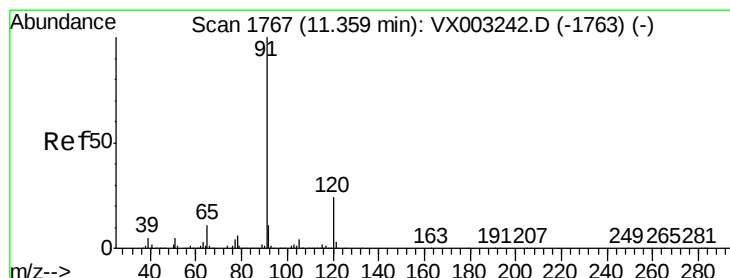
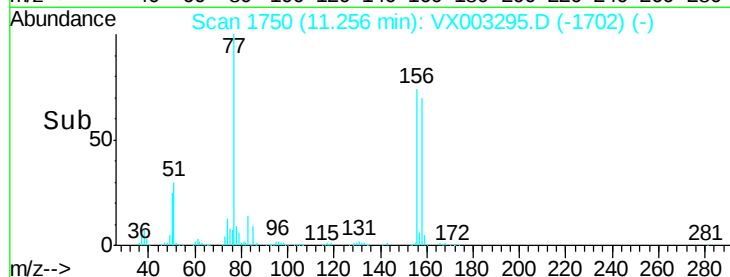
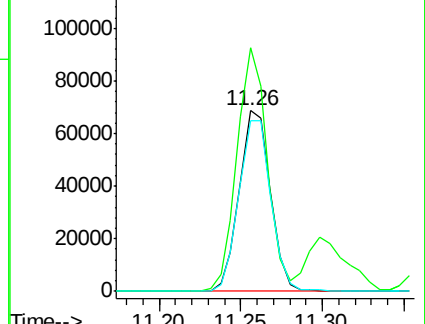
7/11/2018 3:09:27 PM



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: 20.18 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003295.D

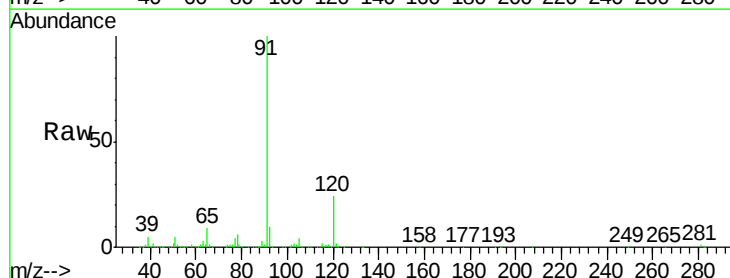
Acq: 10 Jul 2018 20:09

Tgt Ion: 91 Resp: 349832

Ion Ratio Lower Upper

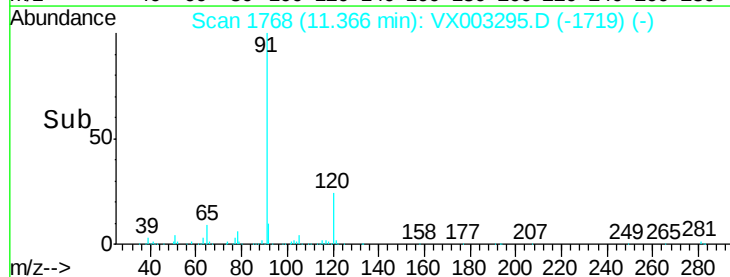
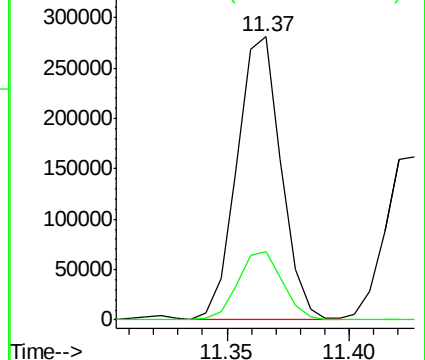
91 100

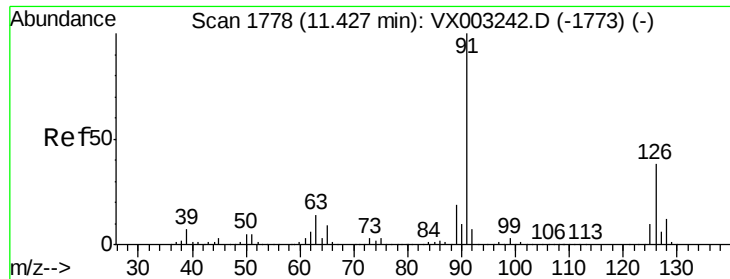
120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.09 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion: 91 Resp: 212127

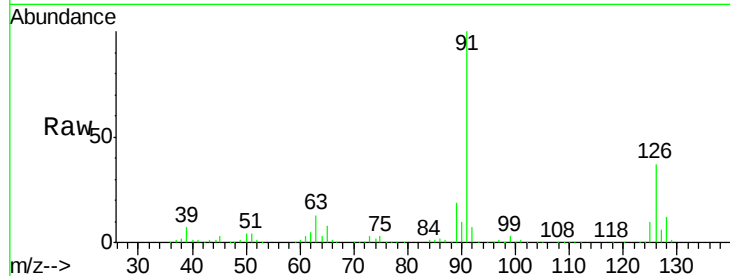
Ion Ratio Lower Upper

91 100

126 36.6 17.7 53.1

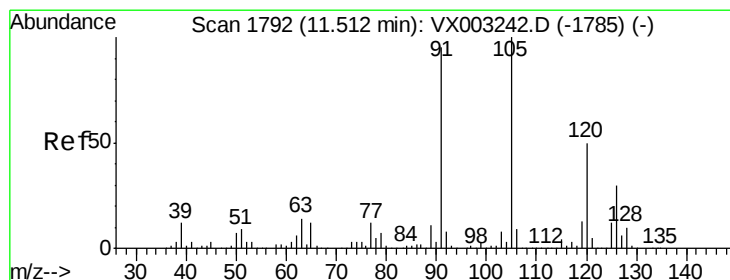
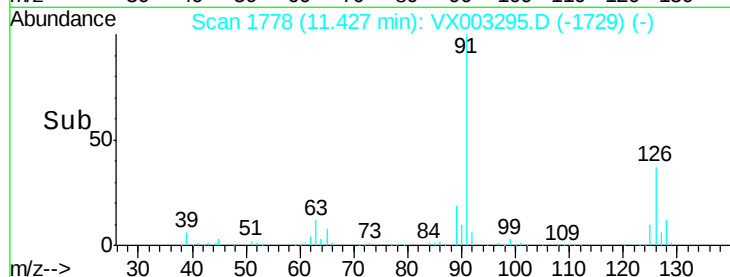
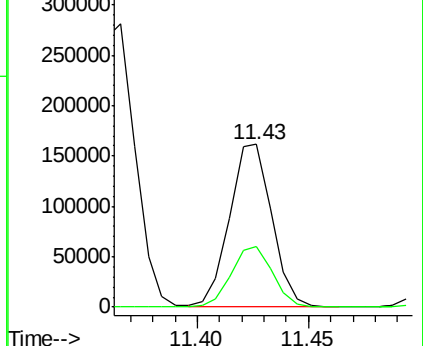
Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003295.D

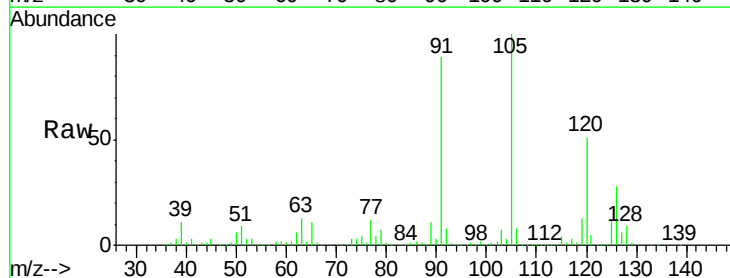
Acq: 10 Jul 2018 20:09

Tgt Ion: 105 Resp: 266605

Ion Ratio Lower Upper

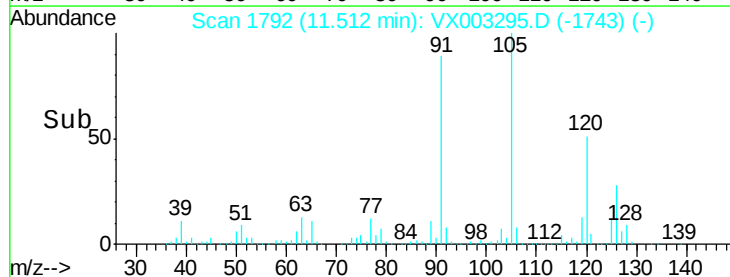
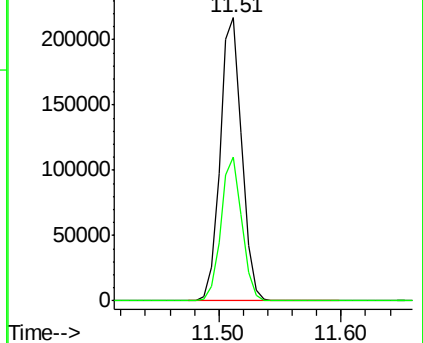
105 100

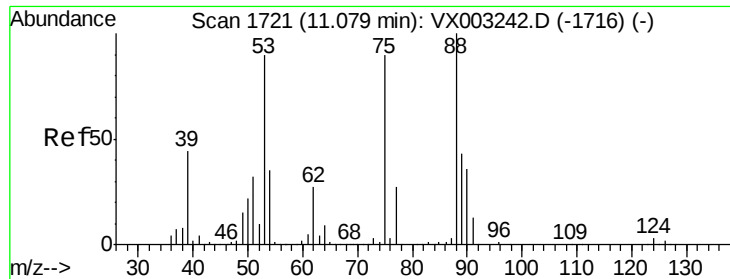
120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





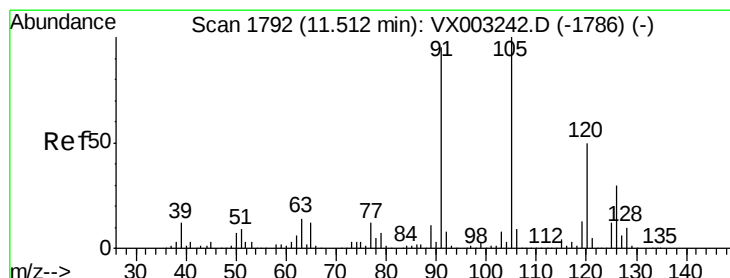
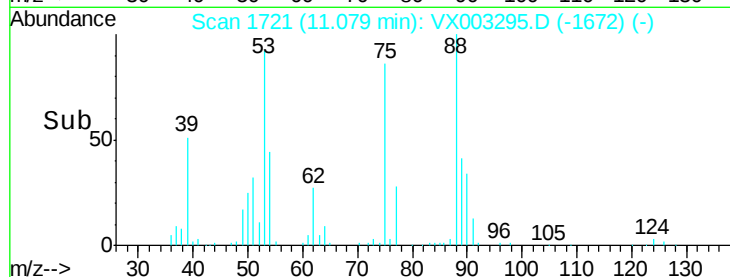
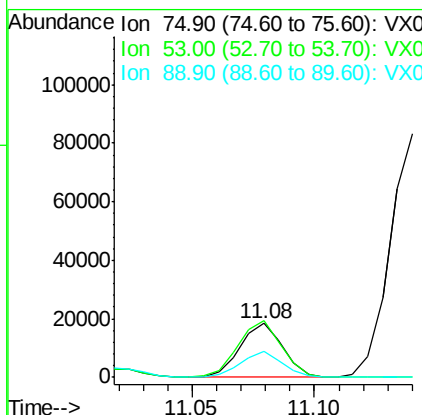
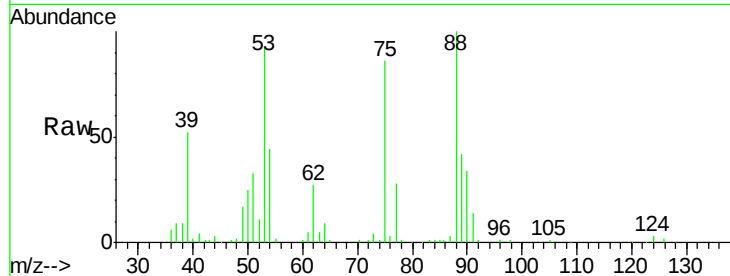
#81
trans-1,4-Dichloro-2-butene
Concen: 17.10 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.1	86.8	130.2
89	47.7	38.2	57.2

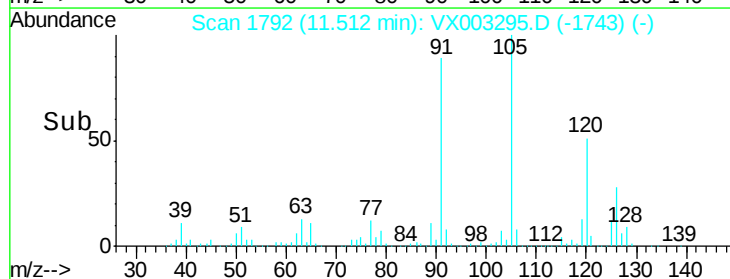
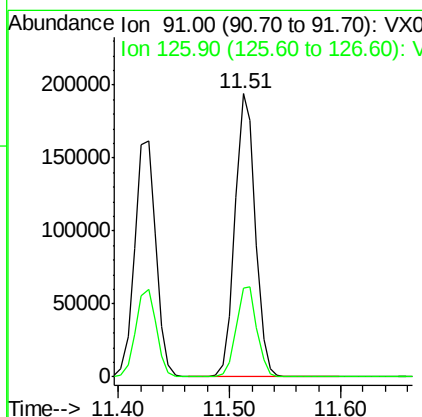
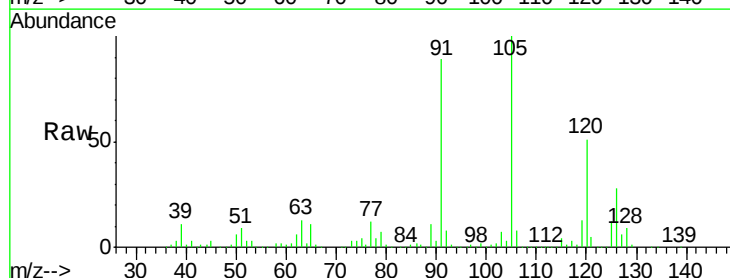
Manual Integrations
APPROVED

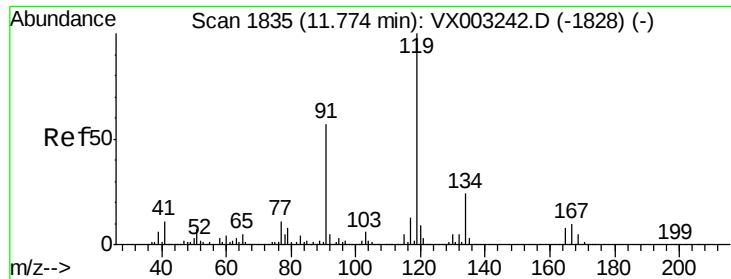
MMDadoda
7/11/2018 3:09:27 PM



#82
4-Chlorotoluene
Concen: 19.85 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.4	46.4





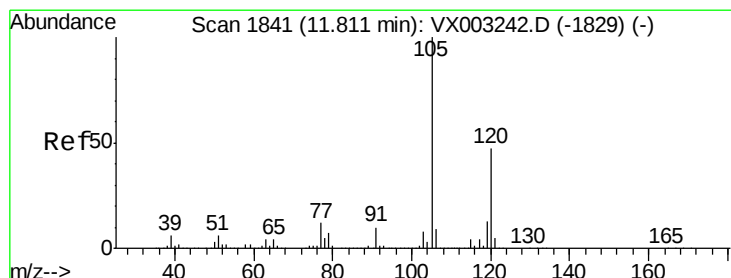
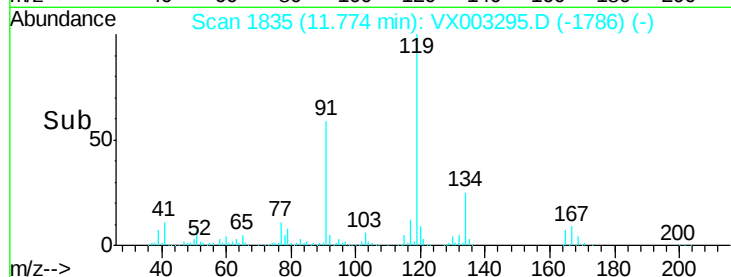
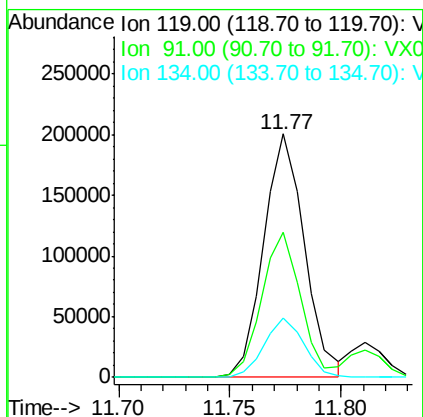
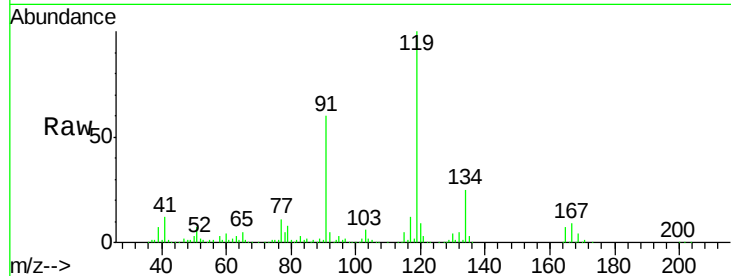
#83
 tert-Butylbenzene
 Concen: 19.71 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255568		
91	57.6	30.3	90.9	
134	23.9	11.7	35.1	

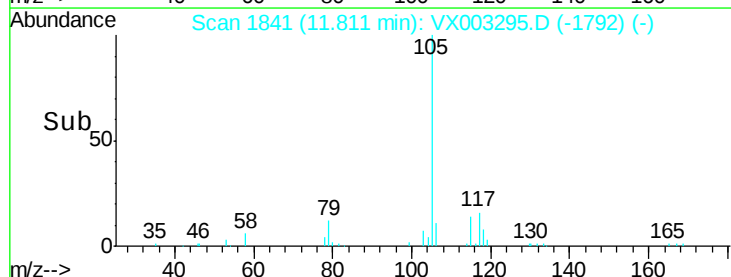
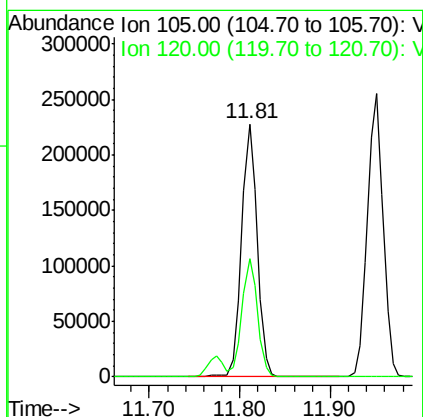
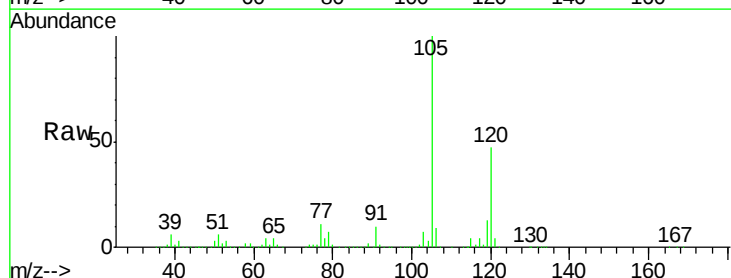
Manual Integrations
 APPROVED

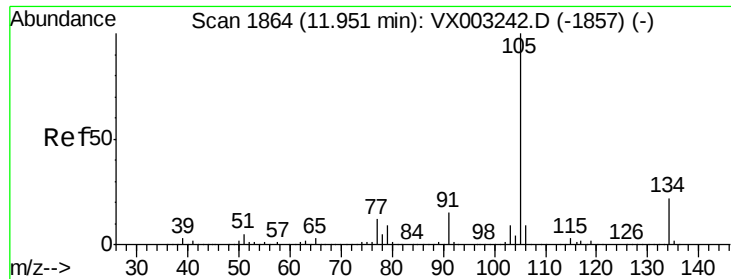
MMDadoda
 7/11/2018 3:09:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.55 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273152		
120	46.5	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.20 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBSD01

Tot Ion:105 Resp: 309662

Ion Ratio Lower Upper

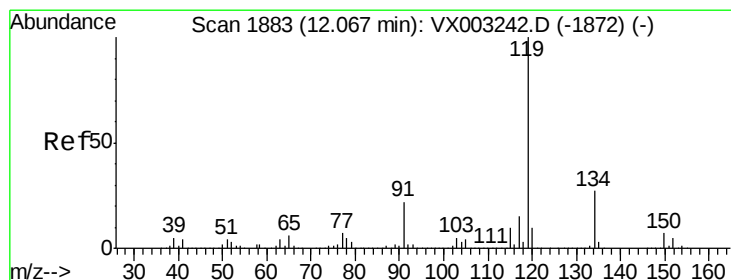
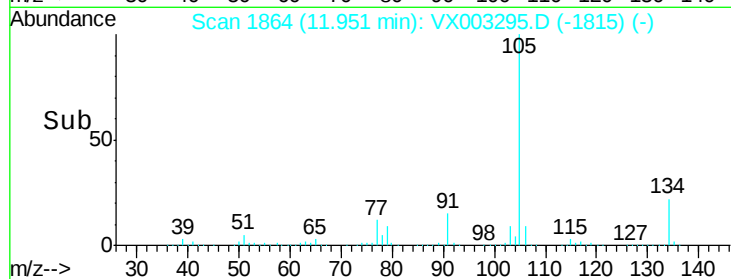
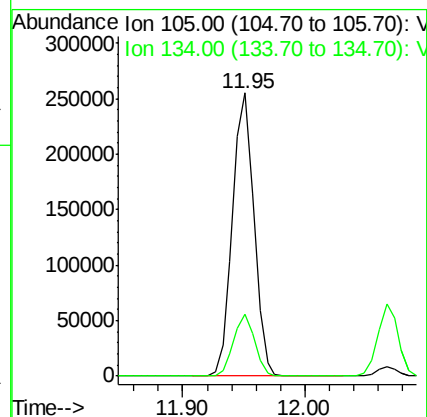
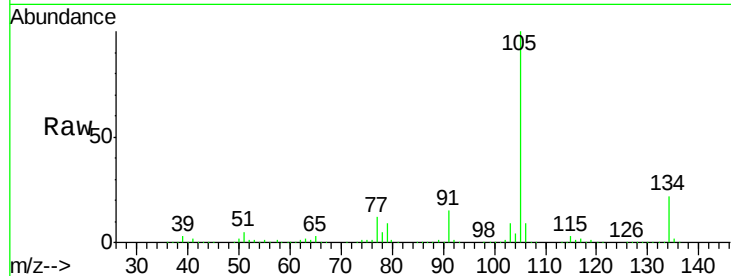
105 100

134 21.3 10.4 31.1

Manual Integrations
APPROVED

MMDadoda

7/11/2018 3:09:27 PM



#86

p-Isopropyltoluene

Concen: 19.72 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

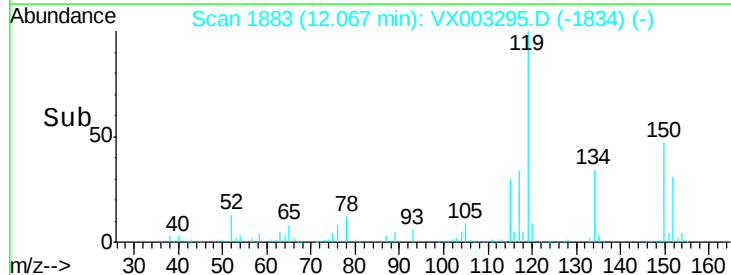
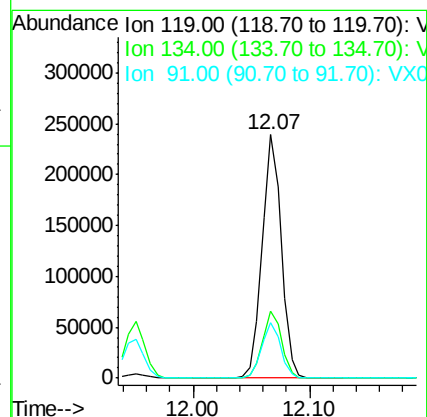
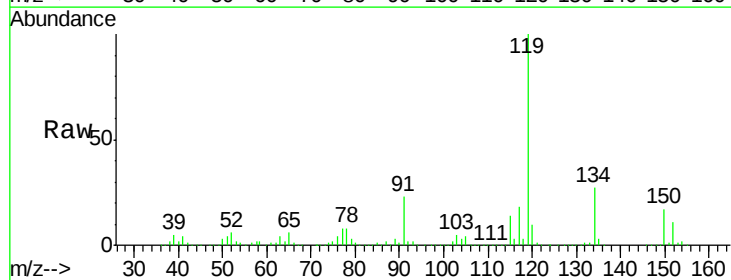
Tgt Ion:119 Resp: 275338

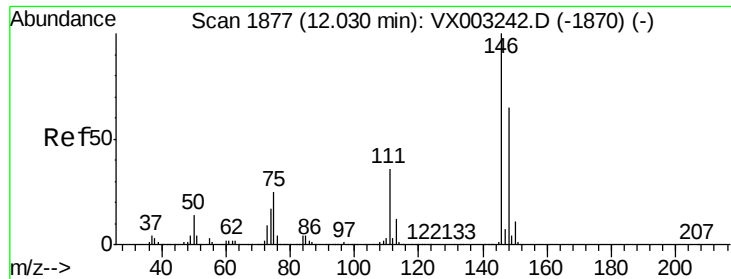
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.1

91 22.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.57 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Instrument :

MSVOA_X

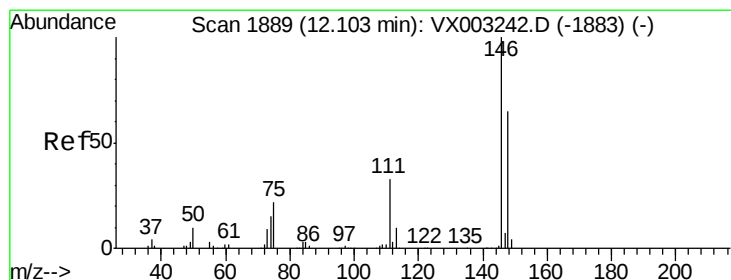
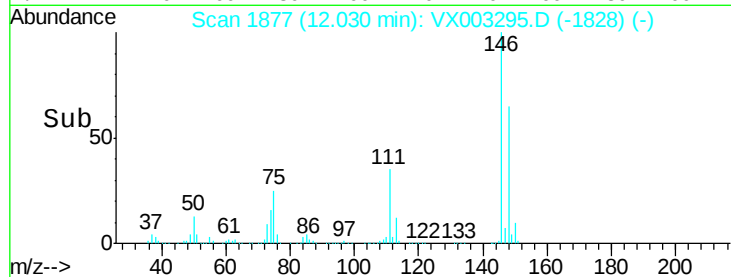
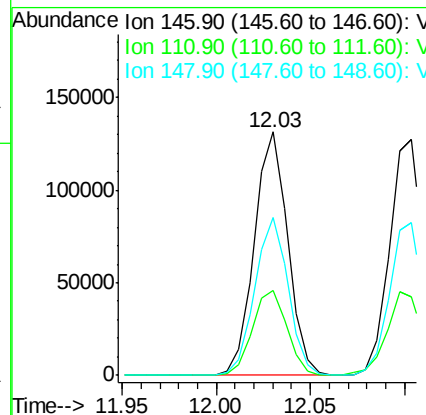
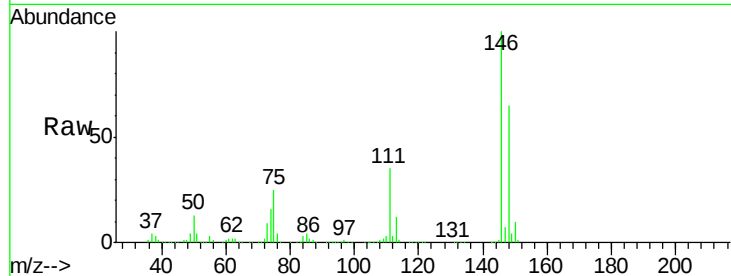
ClientSampled :

VX0710MBSD01

Tot Ion:	146	Resp:	161575
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.9	56.7
148	64.7	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#88

1,4-Dichlorobenzene

Concen: 19.33 ug/l

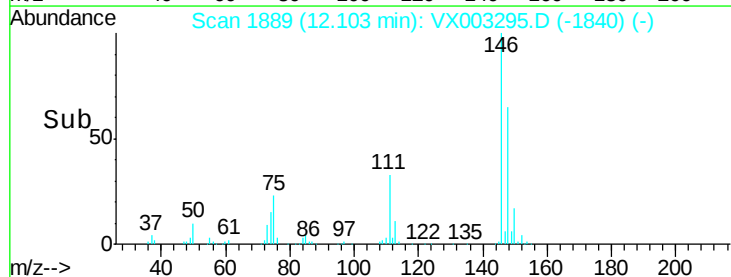
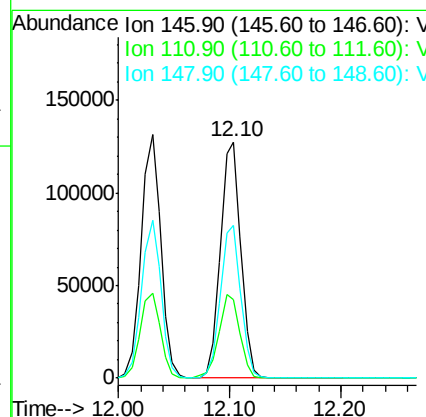
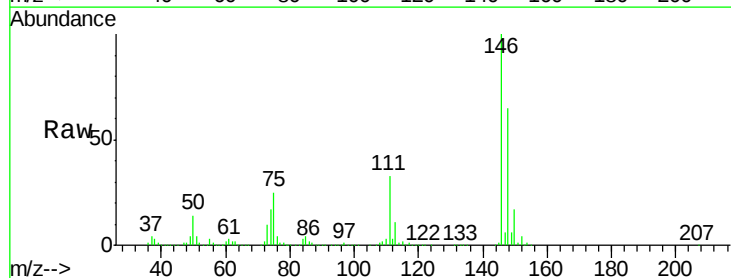
RT: 12.10 min Scan# 1889

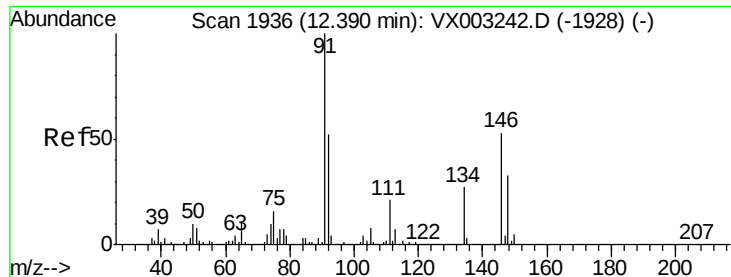
Delta R.T. -0.00 min

Lab File: VX003295.D

Acq: 10 Jul 2018 20:09

Tgt Ion:	146	Resp:	161576
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.7	56.1
148	64.8	32.4	97.0





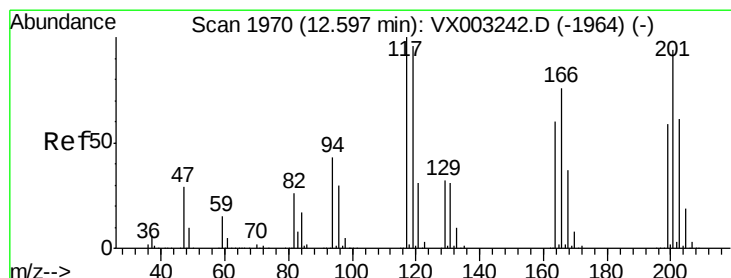
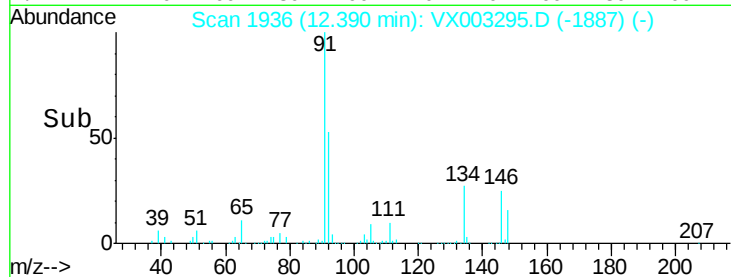
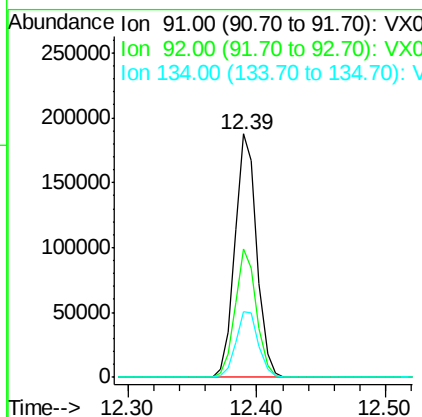
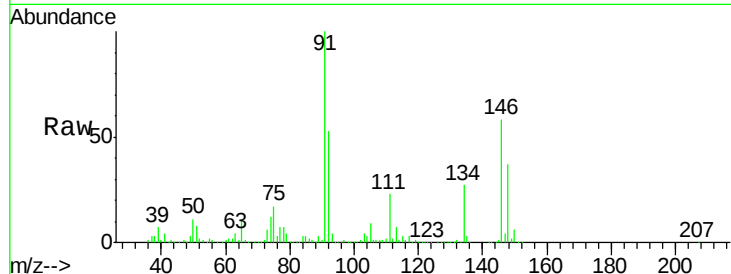
#89
n-Butylbenzene
Concen: 19.06 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	27.9	13.5	40.5

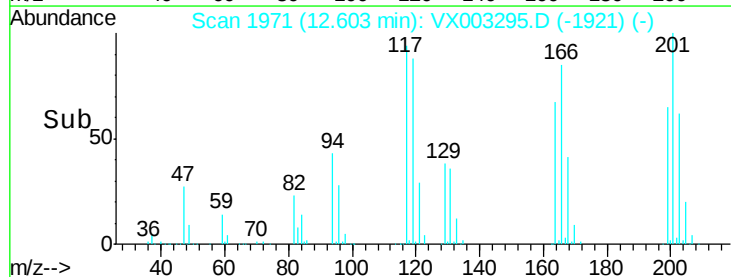
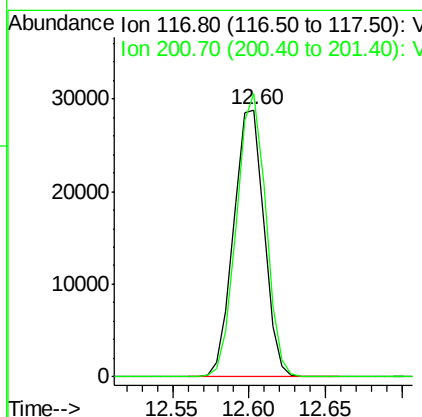
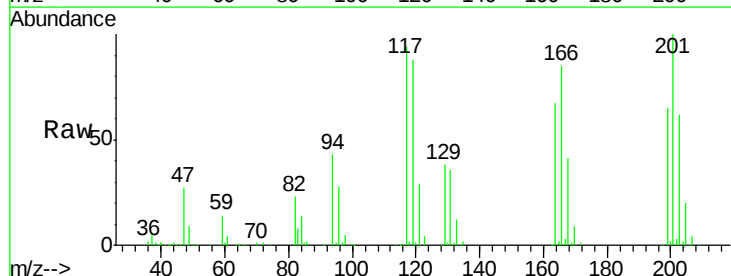
Manual Integrations
APPROVED

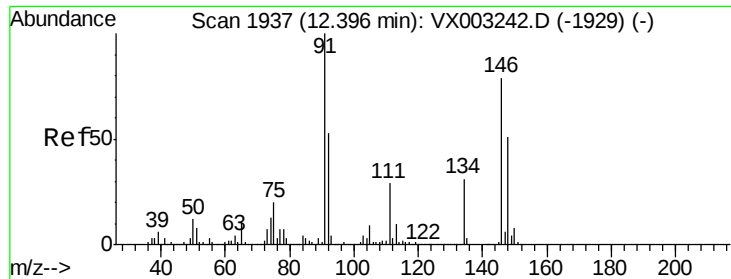
MMDadoda
7/11/2018 3:09:27 PM



#90
Hexachloroethane
Concen: 18.62 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.1	49.0	147.0





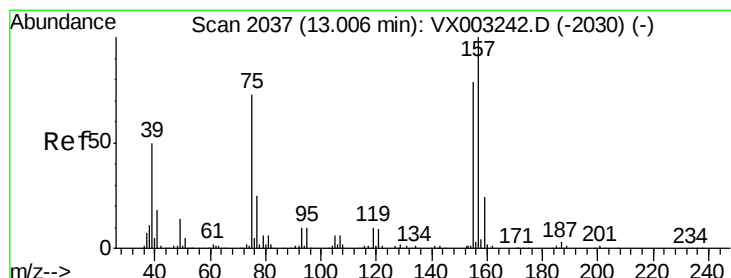
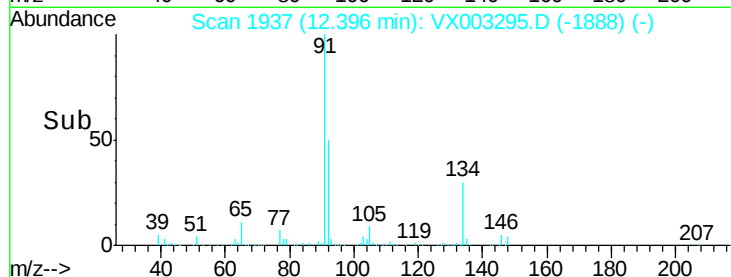
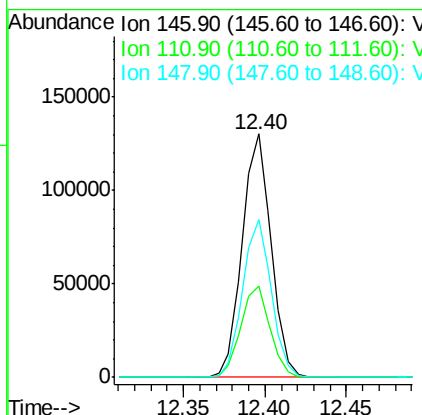
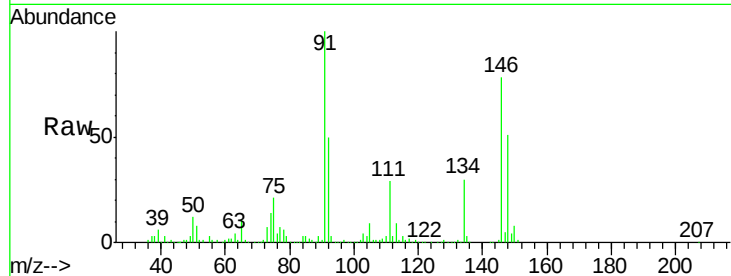
#91
 1,2-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	64.6	31.7	95.1

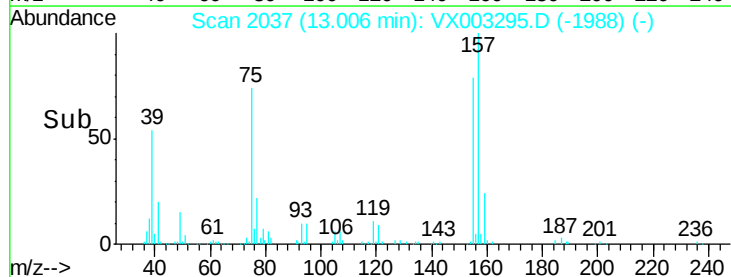
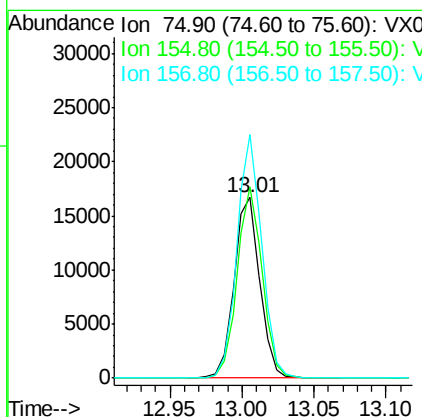
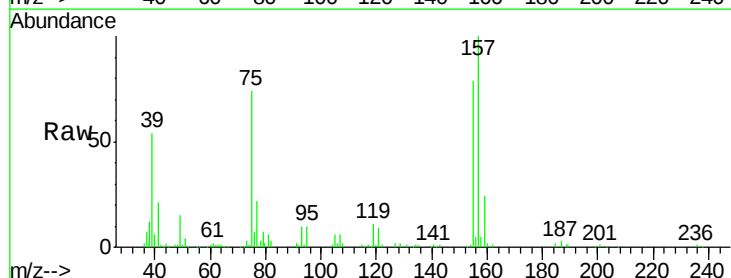
Manual Integrations
 APPROVED

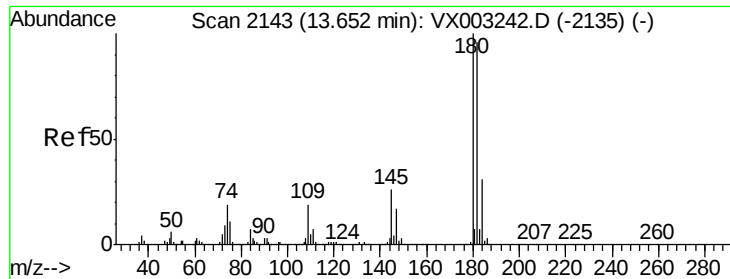
MMDadoda
 7/11/2018 3:09:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.04 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	45.8	137.4
157	129.2	60.1	180.3





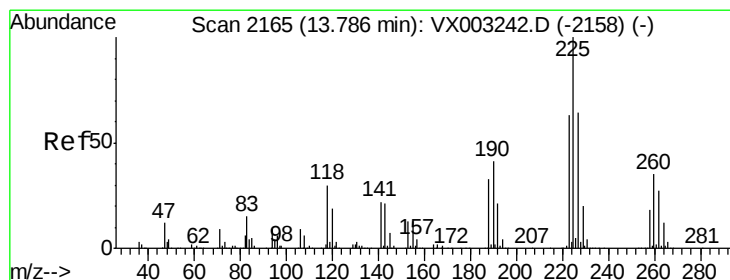
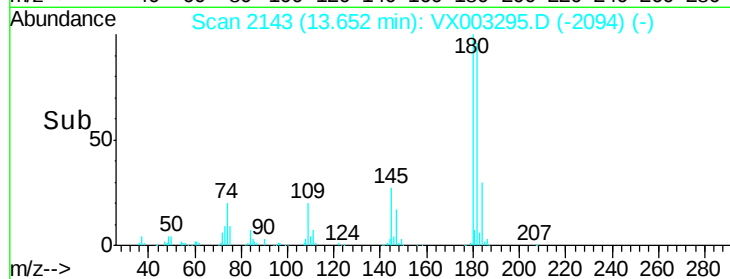
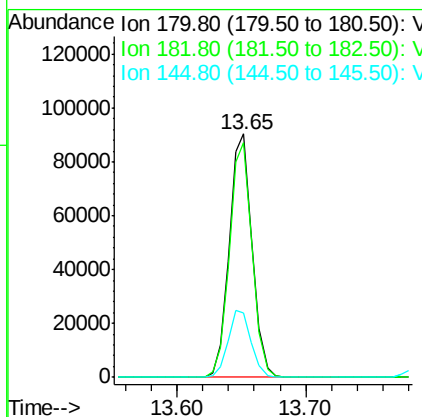
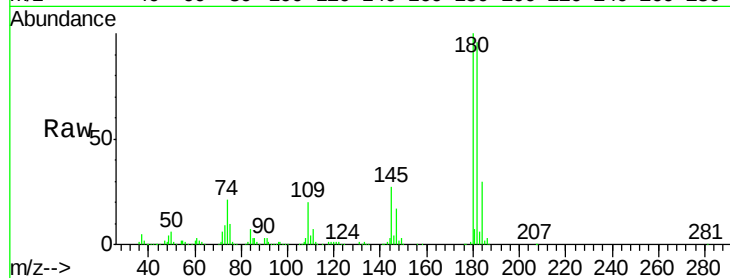
#93
 1,2,4-Trichlorobenzene
 Concen: 18.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112387		
182	95.6	47.7	143.1	
145	27.8	14.1	42.4	

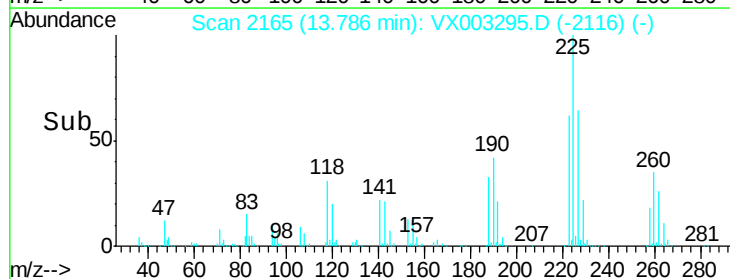
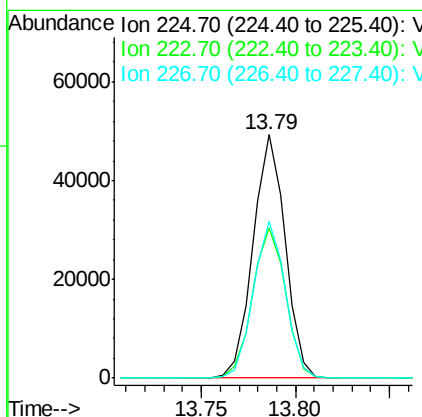
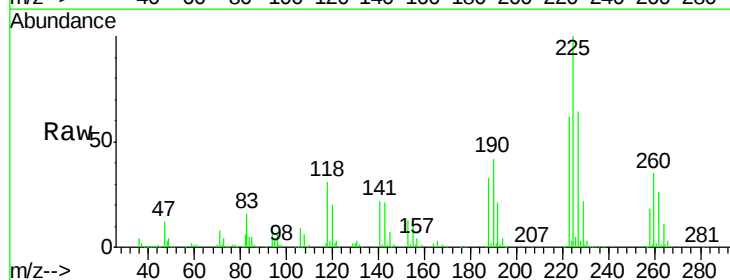
Manual Integrations
 APPROVED

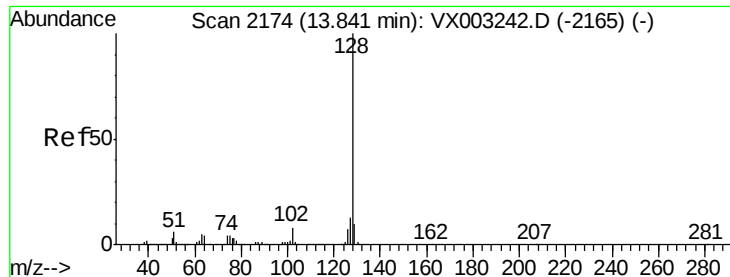
MMDadoda
 7/11/2018 3:09:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.38 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003295.D
 Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58224		
223	63.2	31.6	95.0	
227	63.7	32.4	97.2	





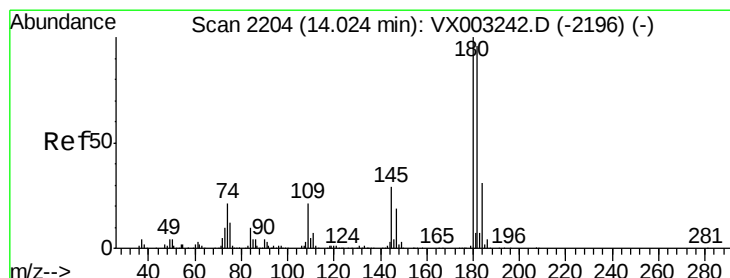
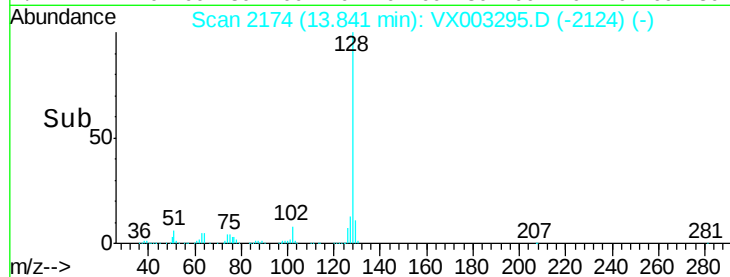
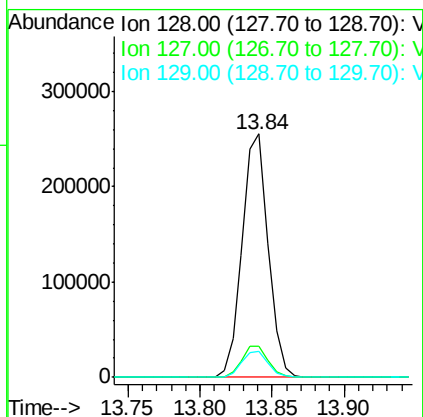
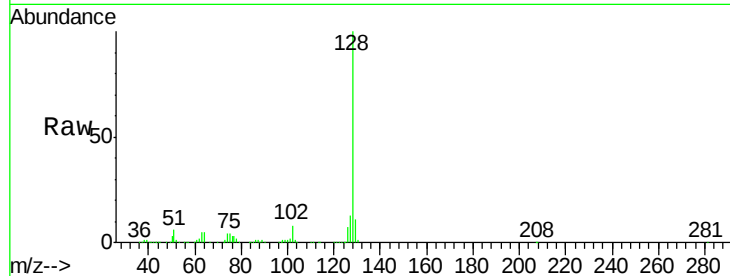
#95
Naphthalene
Concen: 20.29 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	320266		
127	13.0		10.4	15.6
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/11/2018 3:09:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.52 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003295.D
Acq: 10 Jul 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117451		
182	97.1		48.0	144.0
145	29.9		14.8	44.3

