

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003363.D
 Acq On : 13 Jul 2018 12:52
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:41 AM

Quant Time: Jul 13 14:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	154374	36.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.60%	
35) Dibromofluoromethane	5.51	113	138164	33.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.30%	
50) Toluene-d8	8.72	98	485363	32.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.58%	
62) 4-Bromofluorobenzene	11.14	95	202172	36.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	112417	27.74	ug/l	100
3) Chloromethane	1.32	50	142749	38.75	ug/l	99
4) Vinyl Chloride	1.40	62	169920	44.94	ug/l	100
5) Bromomethane	1.64	94	71680	47.93	ug/l	97
6) Chloroethane	1.71	64	111119	53.04	ug/l	99
7) Trichlorofluoromethane	1.92	101	246455	43.85	ug/l	98
8) Diethyl Ether	2.19	74	109222	53.75	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	158366	48.12	ug/l	96
10) Methyl Iodide	2.51	142	170369	52.23	ug/l	94
11) Tert butyl alcohol	3.08	59	211384	277.97	ug/l	100
12) 1,1-Dichloroethene	2.37	96	144005	48.08	ug/l	91
13) Acrolein	2.29	56	70406	114.89	ug/l	99
14) Allyl chloride	2.73	41	285634	51.49	ug/l	88
15) Acrylonitrile	3.15	53	488738	287.82	ug/l	98
16) Acetone	2.45	43	383132	257.28	ug/l #	88
17) Carbon Disulfide	2.57	76	348889	41.92	ug/l	98
18) Methyl Acetate	2.78	43	245238	58.38	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	536363	53.61	ug/l	100
20) Methylene Chloride	2.85	84	171147	50.86	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	154485	48.39	ug/l	97
22) Diisopropyl ether	3.87	45	512853	45.44	ug/l	97
23) Vinyl Acetate	3.83	43	2129009	222.18	ug/l	96
24) 1,1-Dichloroethane	3.70	63	290129	49.39	ug/l	100
25) 2-Butanone	4.71	43	574021	217.84	ug/l	95
26) 2,2-Dichloropropane	4.59	77	203391	39.58	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	165494	42.18	ug/l	98
28) Bromochloromethane	5.02	49	137820	46.56	ug/l	91
29) Tetrahydrofuran	5.17	42	369168	215.85	ug/l	93
30) Chloroform	5.22	83	279917	43.32	ug/l	98
31) Cyclohexane	5.57	56	224746	40.86	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	238597	41.85	ug/l	98
36) 1,1-Dichloropropene	5.80	75	199566	36.34	ug/l	98
37) Ethyl Acetate	4.87	43	219886	36.53	ug/l	97
38) Carbon Tetrachloride	5.79	117	208580	34.72	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003363.D
 Acq On : 13 Jul 2018 12:52
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:41 AM

Quant Time: Jul 13 14:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227979	35.24	ug/l	95
40) Benzene	6.15	78	620040	38.10	ug/l	99
41) Methacrylonitrile	5.07	41	125548	38.10	ug/l	94
42) 1,2-Dichloroethane	6.20	62	218785	35.99	ug/l	97
43) Isopropyl Acetate	6.47	43	352172	37.26	ug/l	95
44) Trichloroethene	7.21	130	172834	35.92	ug/l	98
45) 1,2-Dichloropropane	7.52	63	164777	38.95	ug/l	99
46) Dibromomethane	7.67	93	107968	37.44	ug/l	99
47) Bromodichloromethane	7.90	83	207535	39.00	ug/l	100
48) Methyl methacrylate	7.78	41	181547	37.45	ug/l	88
49) 1,4-Dioxane	7.76	88	81538	804.35	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1195176	203.09	ug/l	93
52) Toluene	8.79	92	398713	38.76	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	251733	40.21	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	232903	40.87	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	170865	40.04	ug/l	98
56) Ethyl methacrylate	9.18	69	255707	43.75	ug/l #	86
57) 1,3-Dichloropropane	9.37	76	272678	39.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	638199	226.35	ug/l	99
59) 2-Hexanone	9.50	43	893318	199.85	ug/l	91
60) Dibromochloromethane	9.59	129	170242	38.21	ug/l	99
61) 1,2-Dibromoethane	9.68	107	172135	38.49	ug/l	100
64) Tetrachloroethene	9.34	164	188999	33.96	ug/l	97
65) Chlorobenzene	10.14	112	456153	36.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	170855	37.86	ug/l	99
67) Ethyl Benzene	10.26	91	776249	38.38	ug/l	99
68) m/p-Xylenes	10.36	106	598102	76.01	ug/l	98
69) o-Xylene	10.70	106	301044	39.49	ug/l	98
70) Styrene	10.71	104	515317	41.69	ug/l	97
71) Bromoform	10.86	173	137492	37.03	ug/l #	98
73) Isopropylbenzene	11.02	105	803718	44.16	ug/l	100
74) N-amyl acetate	6.47	43	352172	40.57	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	258588	45.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	227278m	45.63	ug/l	
77) Bromobenzene	11.26	156	223525	42.54	ug/l	98
78) n-propylbenzene	11.37	91	922698	45.60	ug/l	99
79) 2-Chlorotoluene	11.43	91	546472	44.33	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	681886	45.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	74064	48.59	ug/l	92
82) 4-Chlorotoluene	11.51	91	653595	45.41	ug/l	99
83) tert-Butylbenzene	11.77	119	659164	43.55	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	682679	43.99	ug/l	97
85) sec-Butylbenzene	11.95	105	786124	43.94	ug/l	100
86) p-Isopropyltoluene	12.07	119	702850	43.12	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	398093	41.30	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	407774	41.79	ug/l	99
89) n-Butylbenzene	12.39	91	590151	43.33	ug/l	100
90) Hexachloroethane	12.60	117	103835	41.72	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	396097	40.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52429	43.29	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071318\
Data File : VX003363.D
Acq On : 13 Jul 2018 12:52
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

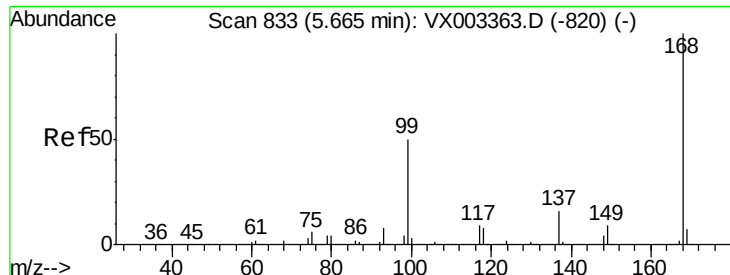
Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM

Quant Time: Jul 13 14:46:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 13 13:46:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	275759	39.15	ug/l	100
94) Hexachlorobutadiene	13.79	225	127562	36.38	ug/l	99
95) Naphthalene	13.83	128	830559	45.07	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	281429	40.06	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: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 266527

Ion Ratio Lower Upper

168 100

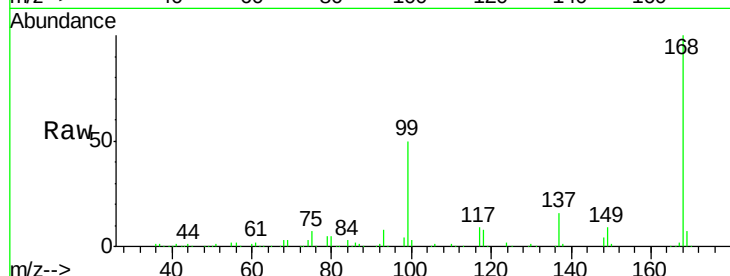
99 49.9 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

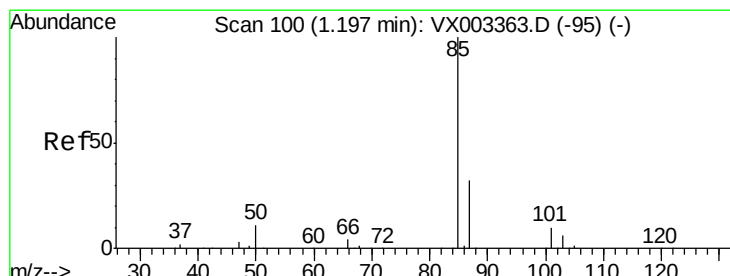
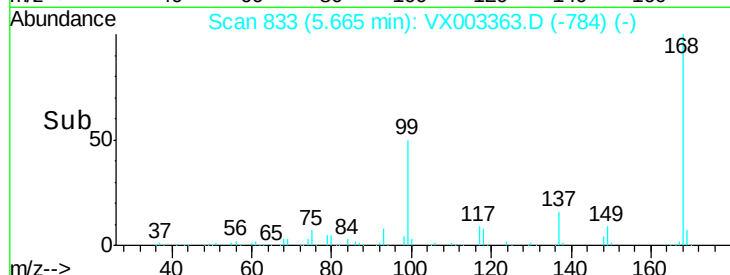
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 27.74 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003363.D

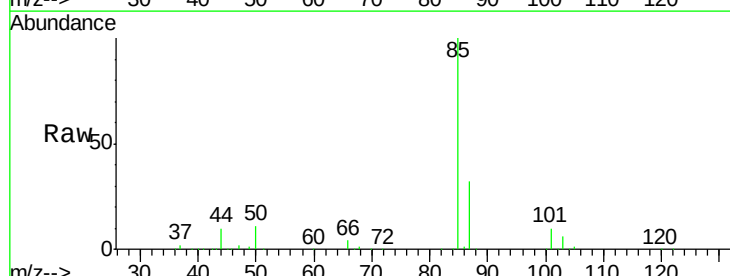
Acq: 13 Jul 2018 12:52

Tgt Ion: 85 Resp: 112417

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

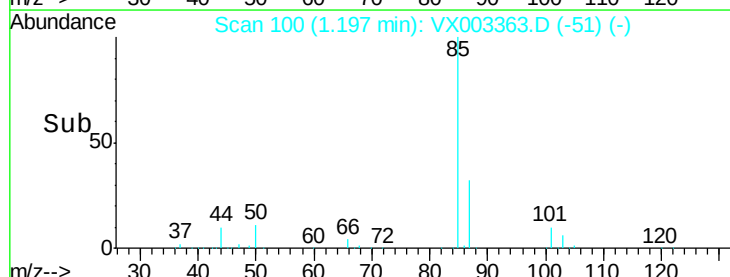
100000

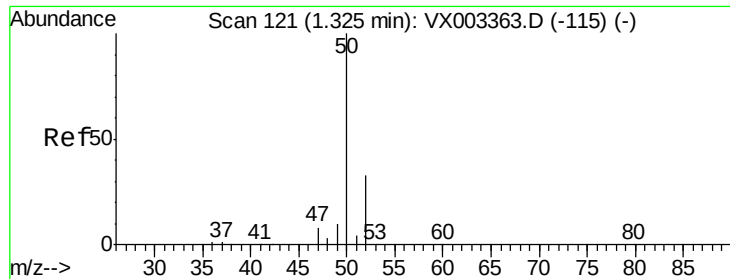
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 38.75 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 142749

Ion Ratio Lower Upper

50 100

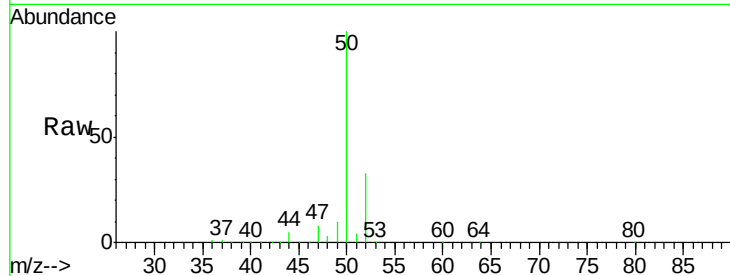
52 32.9 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

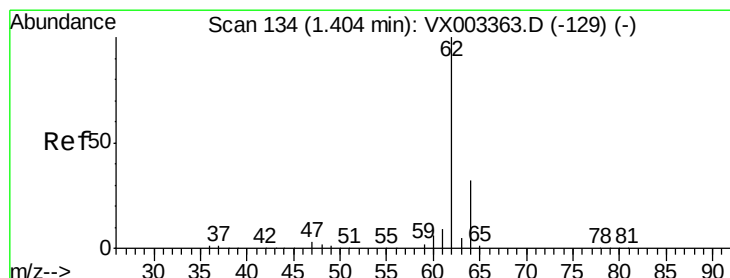
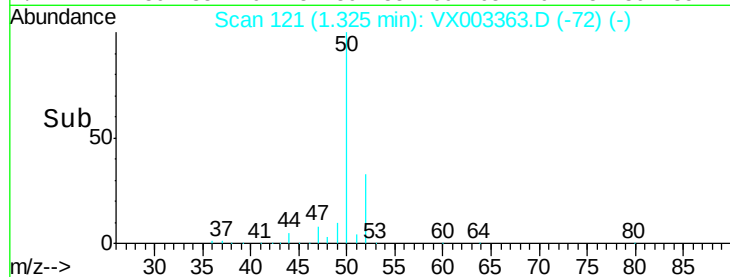
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 44.94 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003363.D

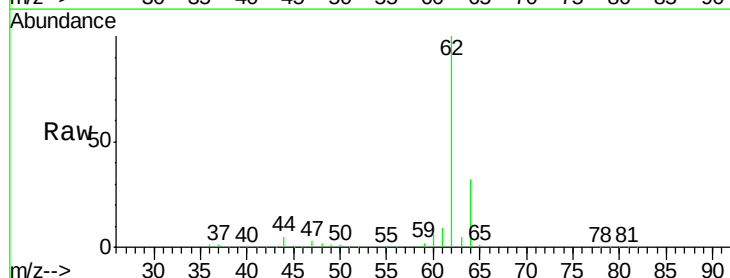
Acq: 13 Jul 2018 12:52

Tgt Ion: 62 Resp: 169920

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

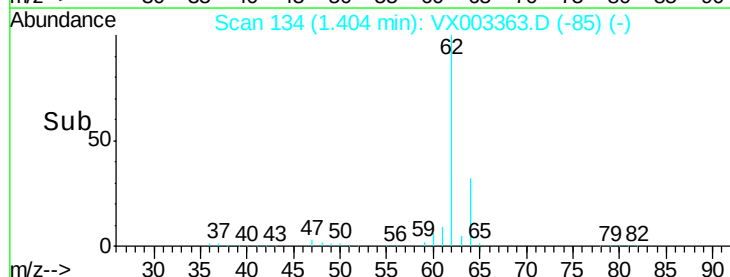
150000

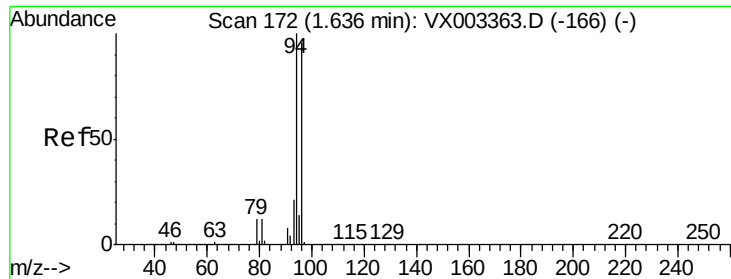
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 47.93 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 71680

Ion Ratio Lower Upper

94 100

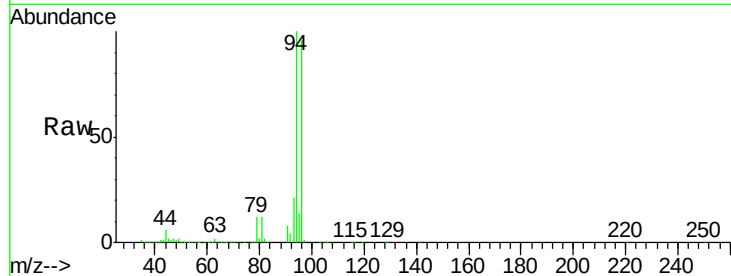
96 96.2 74.9 112.3

Manual Integrations

APPROVED

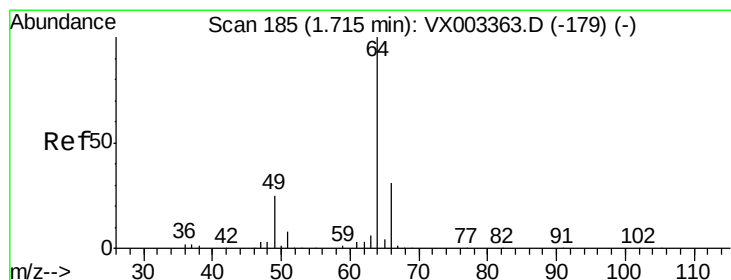
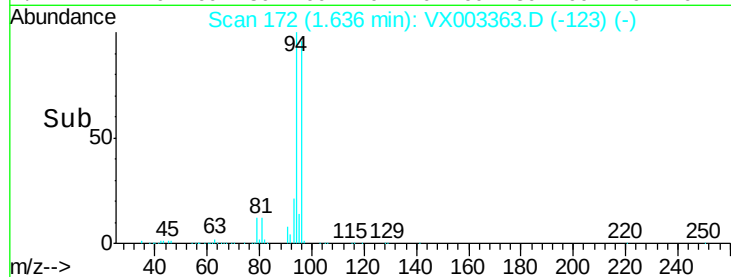
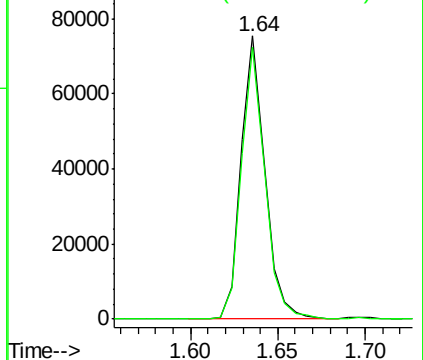
MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.04 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003363.D

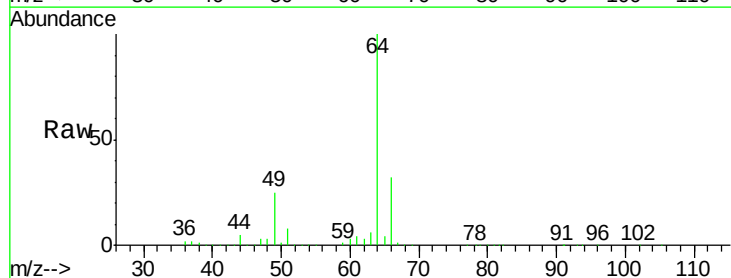
Acq: 13 Jul 2018 12:52

Tgt Ion: 64 Resp: 111119

Ion Ratio Lower Upper

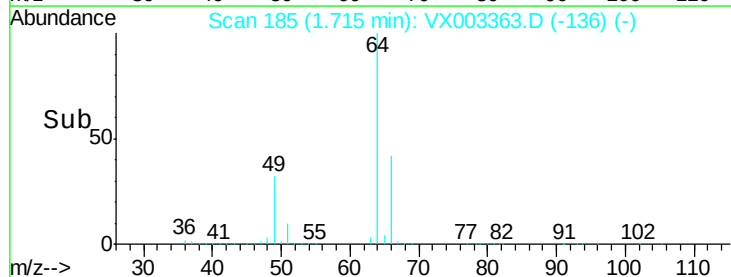
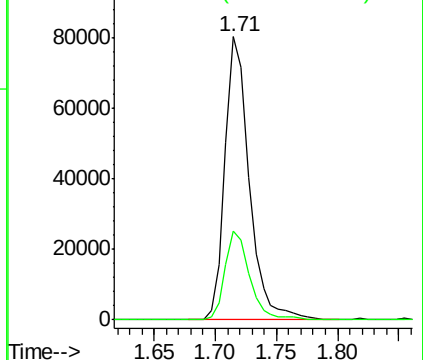
64 100

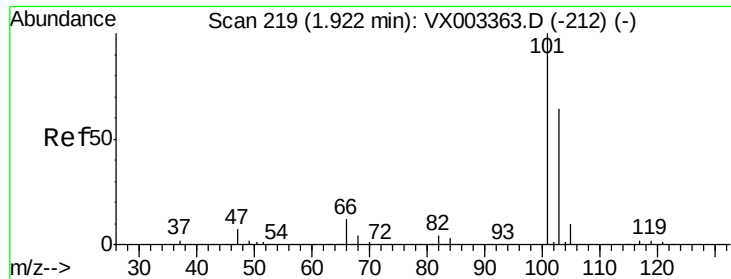
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

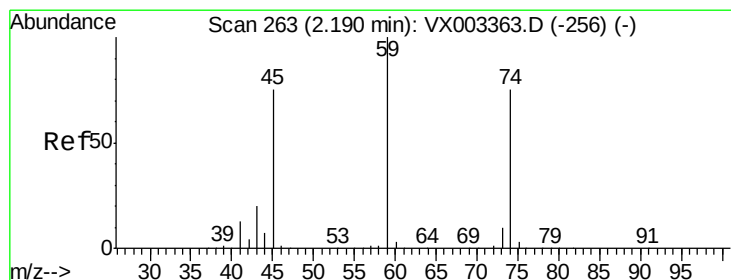
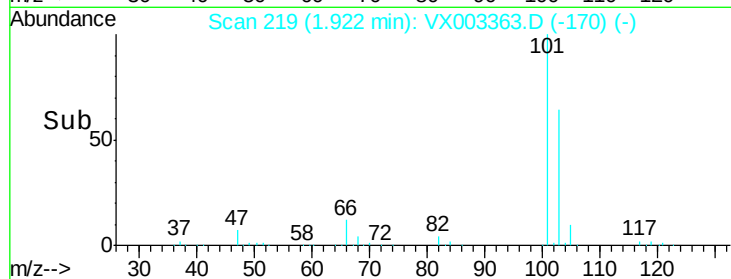
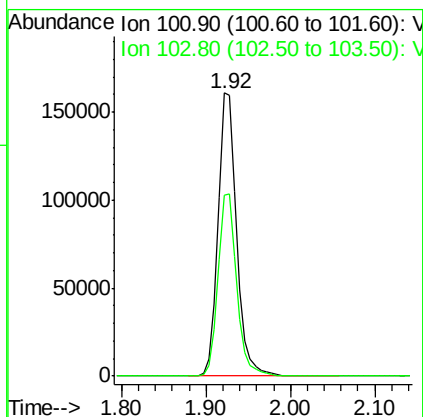
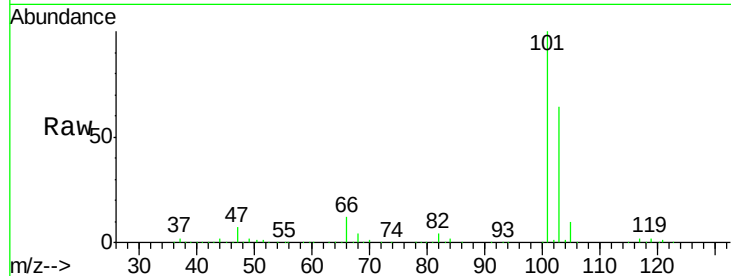
Trichlorofluoromethane
Concen: 43.85 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.8	79.2

Manual Integrations
APPROVED

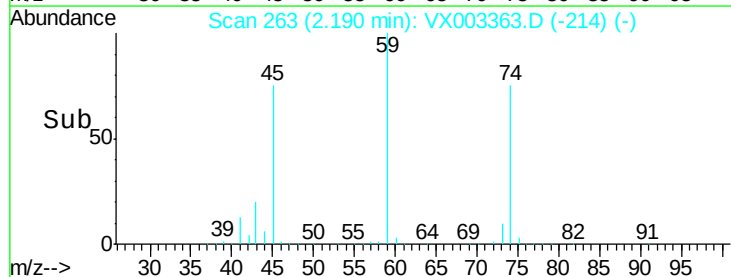
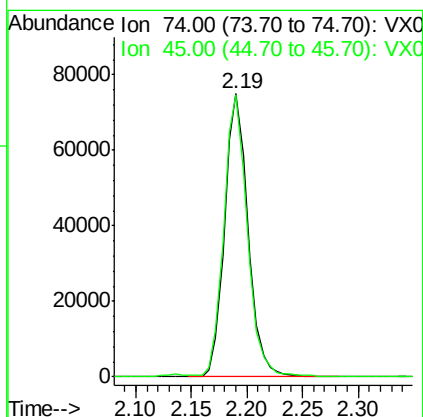
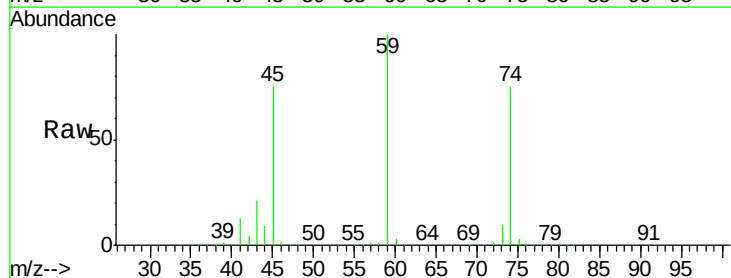
MMDadoda
7/16/2018 11:24:41 AM

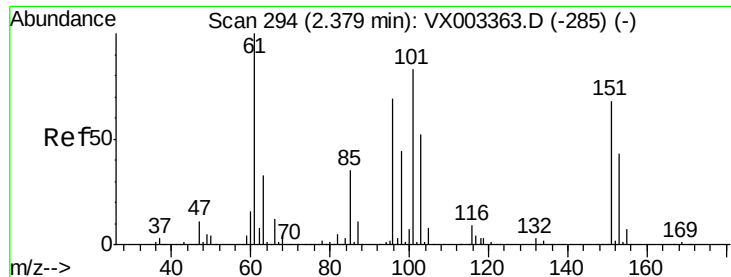


#8

Diethyl Ether
Concen: 53.75 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.12 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

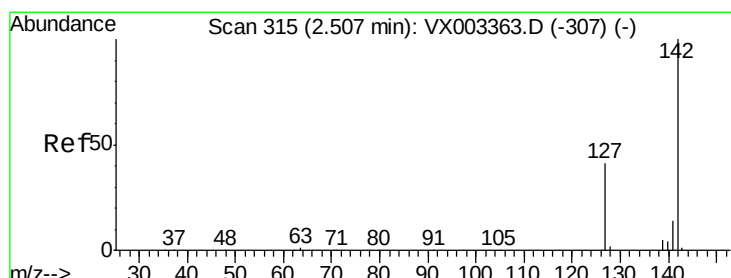
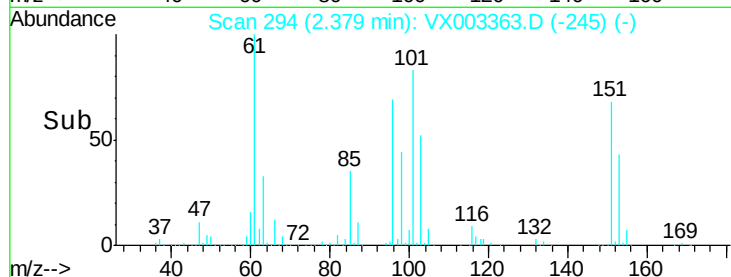
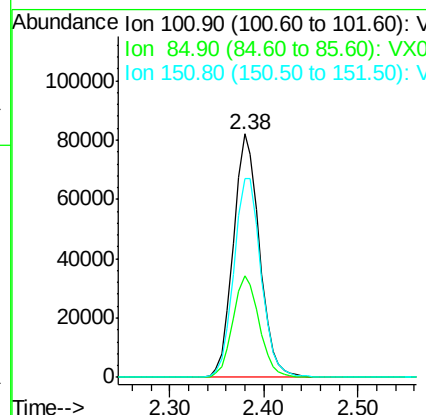
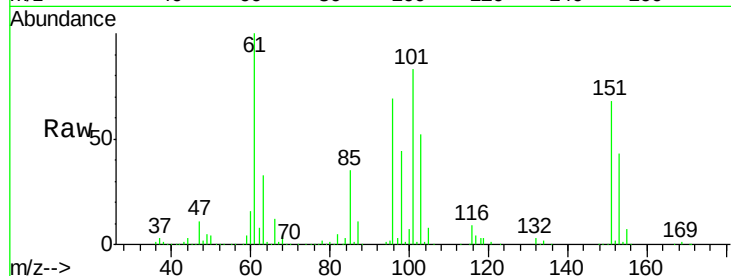
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	158366
Ion Ratio	Lower	Upper	
101	100		
85	42.1	36.0	54.0
151	85.3	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#10

Methyl Iodide

Concen: 52.23 ug/l

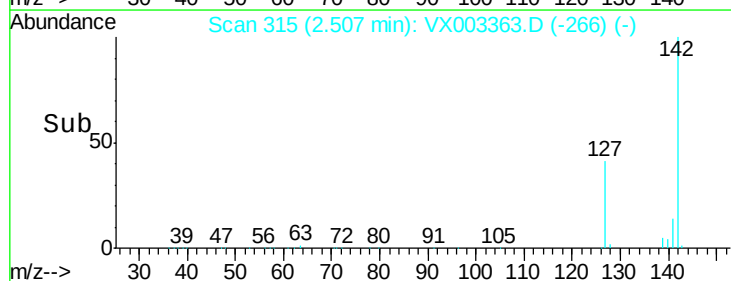
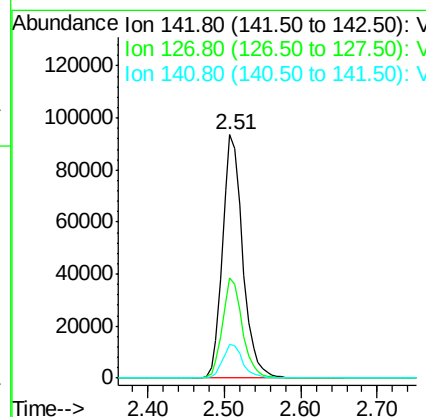
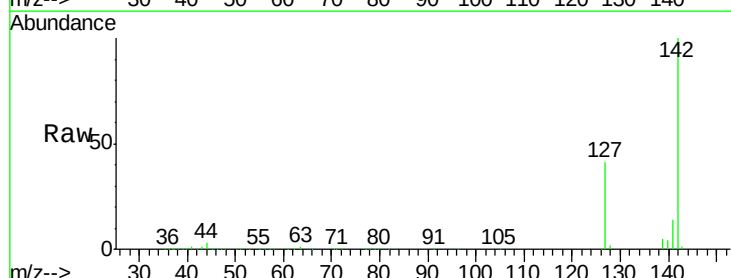
RT: 2.51 min Scan# 315

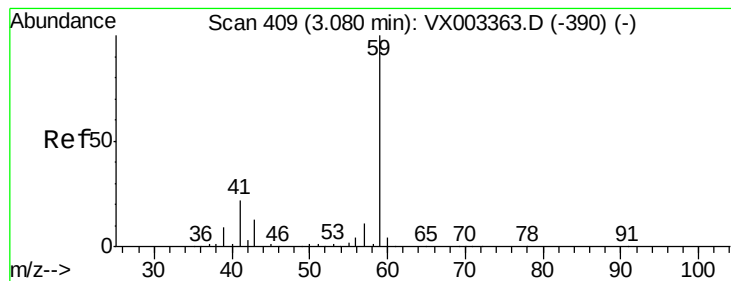
Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	142	Resp:	170369
Ion Ratio	Lower	Upper	
142	100		
127	40.8	36.6	55.0
141	13.8	11.3	16.9





#11

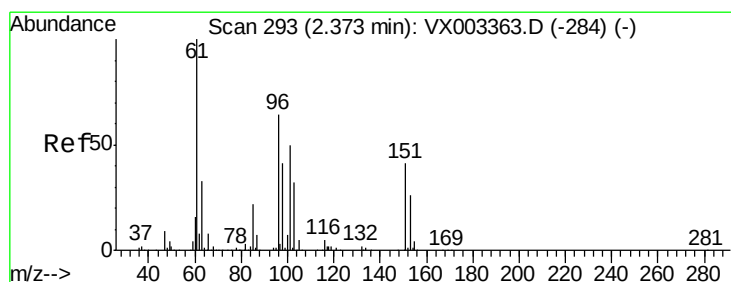
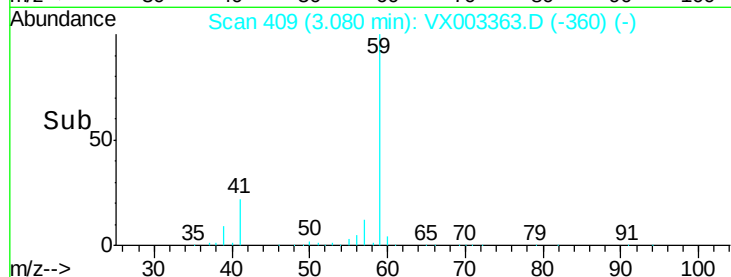
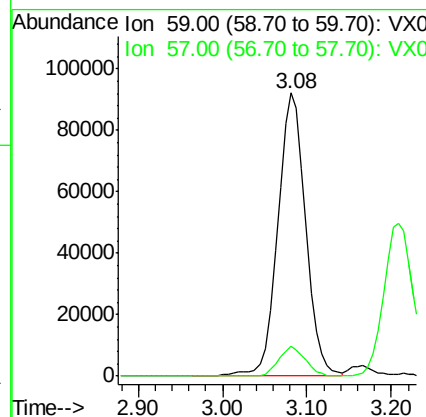
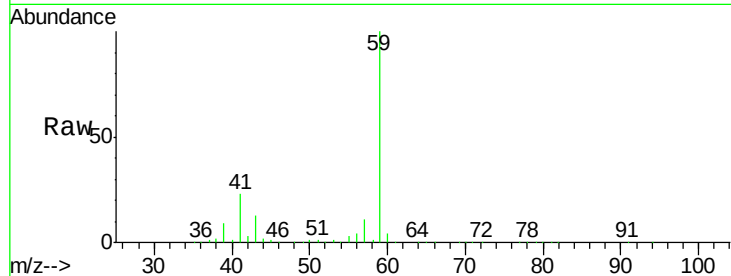
Tert butyl alcohol
 Concen: 277.97 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
 APPROVED

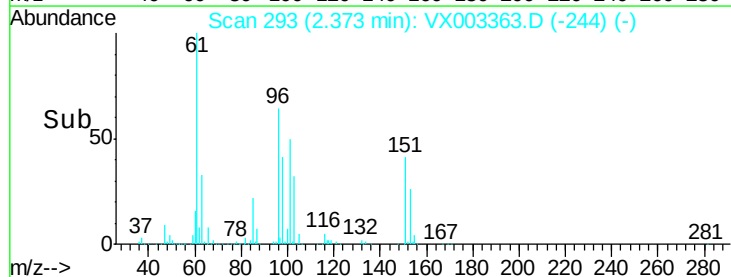
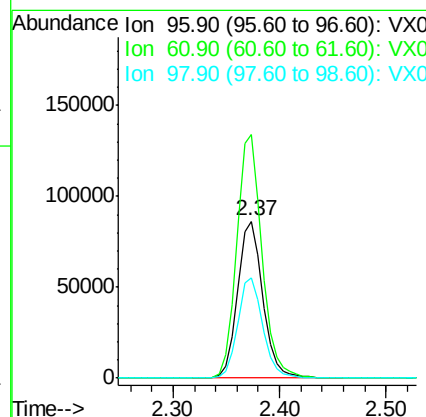
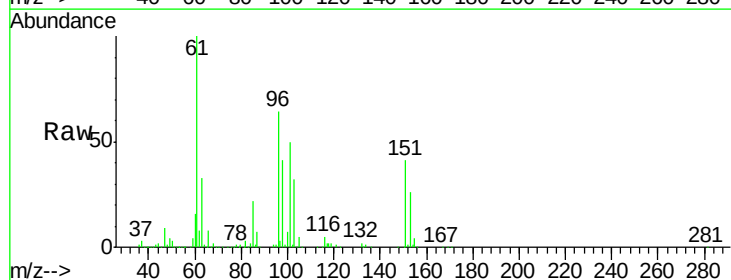
MMDadoda
 7/16/2018 11:24:41 AM

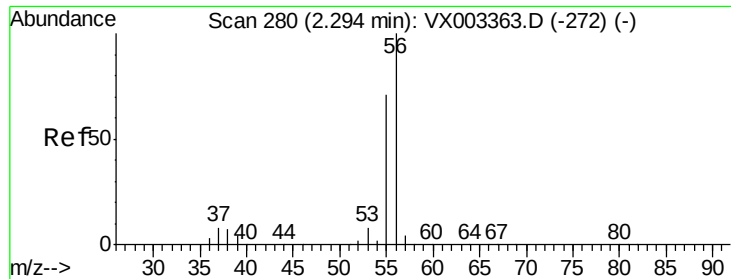


#12

1,1-Dichloroethene
 Concen: 48.08 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	137.9	206.9
98	64.0	51.6	77.4





#13

Acrolein

Concen: 114.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 70406

Ion Ratio Lower Upper

56 100

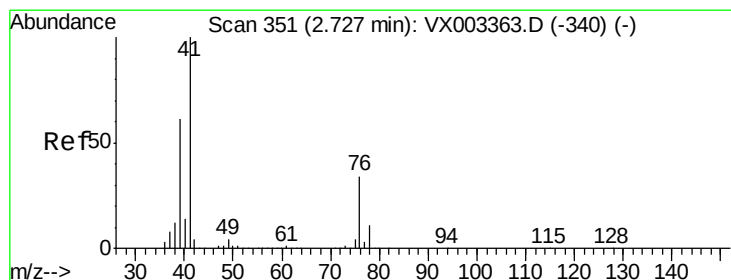
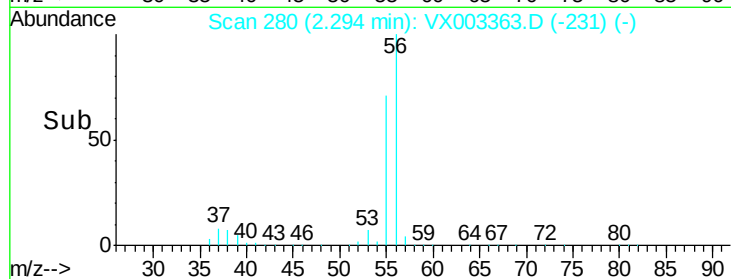
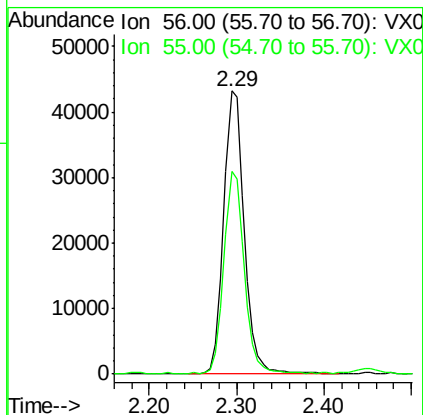
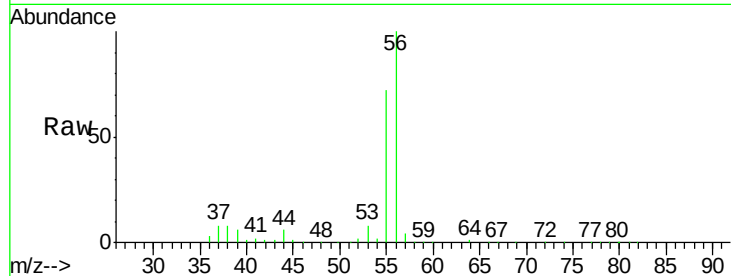
55 70.6 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



#14

Allyl chloride

Concen: 51.49 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

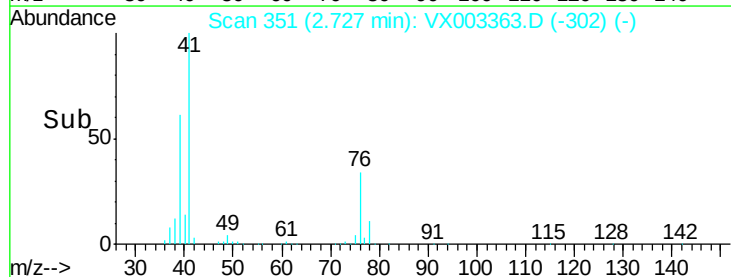
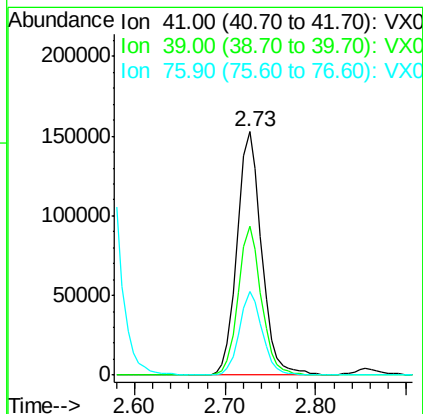
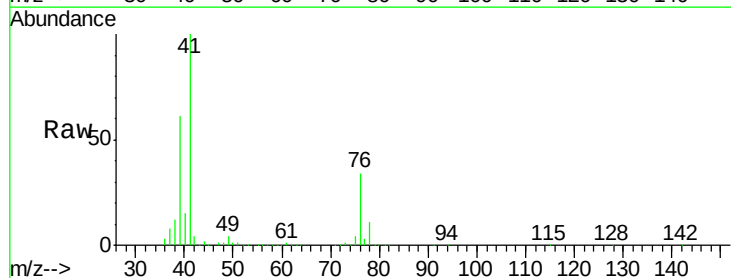
Tgt Ion: 41 Resp: 285634

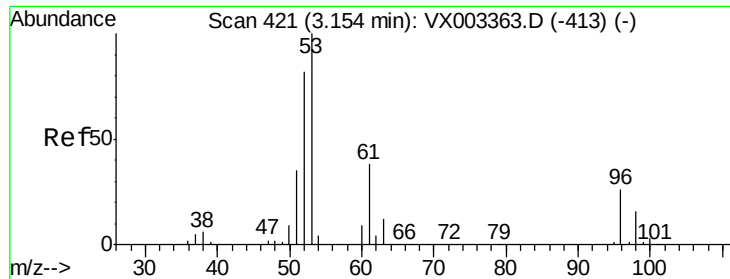
Ion Ratio Lower Upper

41 100

39 57.9 56.8 85.2

76 31.9 23.8 35.8





#15

Acrylonitrile

Concen: 287.82 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

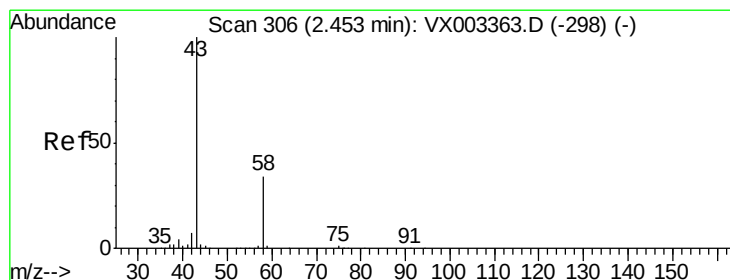
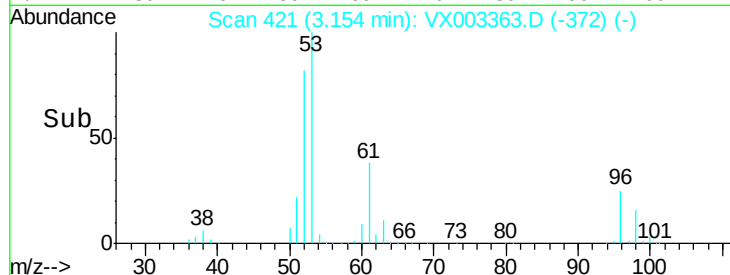
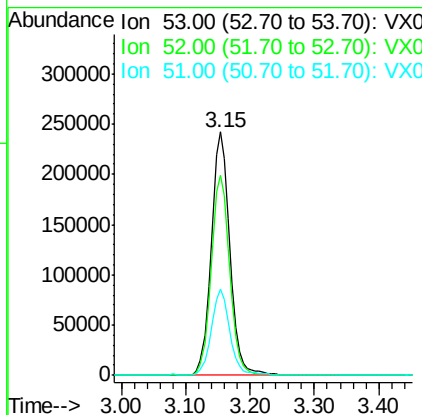
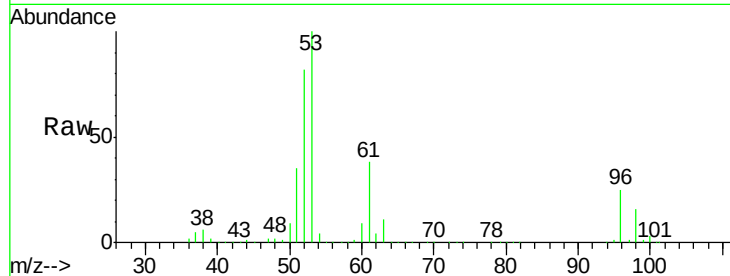
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	488738
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	35.3	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#16

Acetone

Concen: 257.28 ug/l

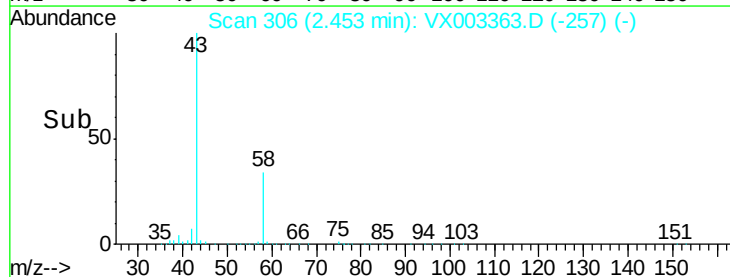
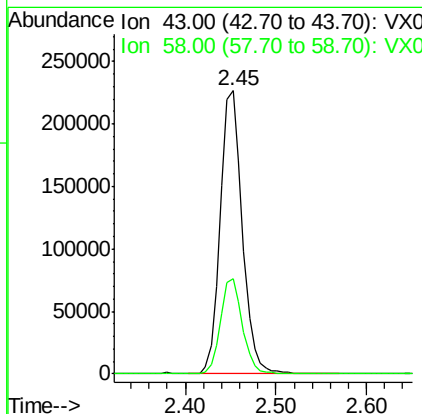
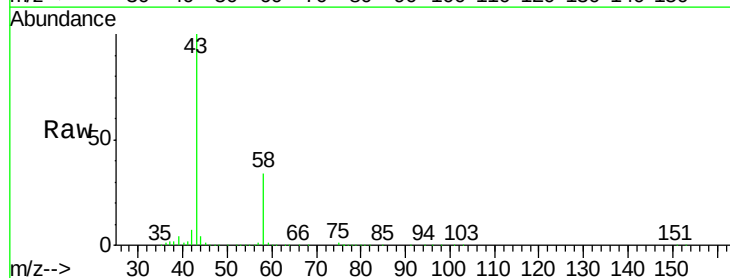
RT: 2.45 min Scan# 306

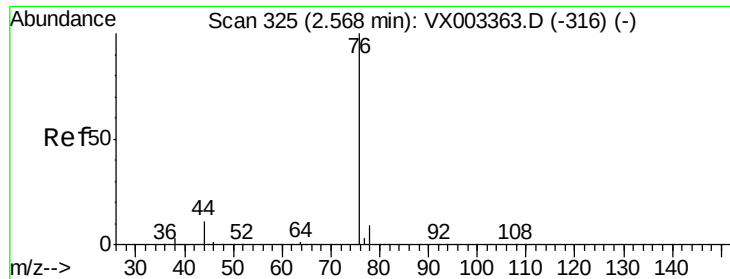
Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	43	Resp:	383132
Ion	Ratio	Lower	Upper
43	100		
58	33.8	22.1	33.1#





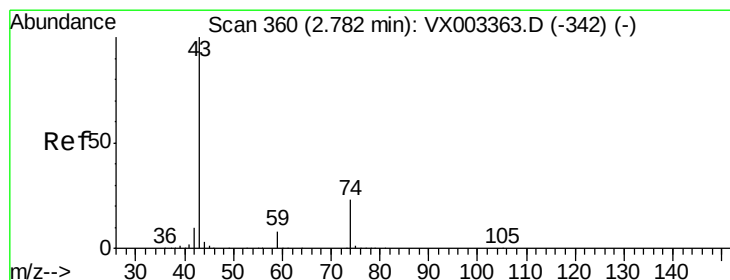
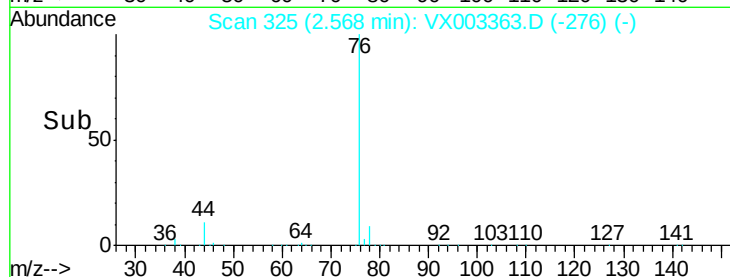
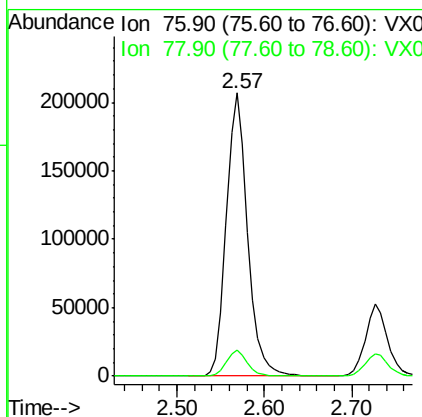
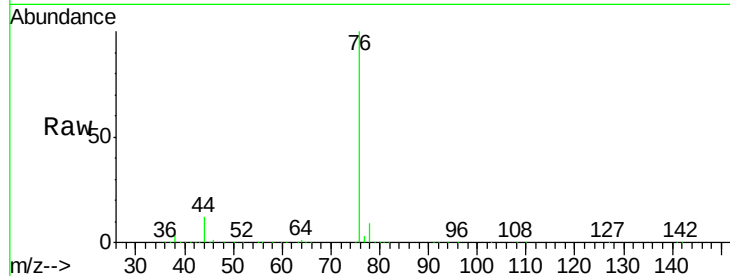
#17
Carbon Disulfide
Concen: 41.92 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

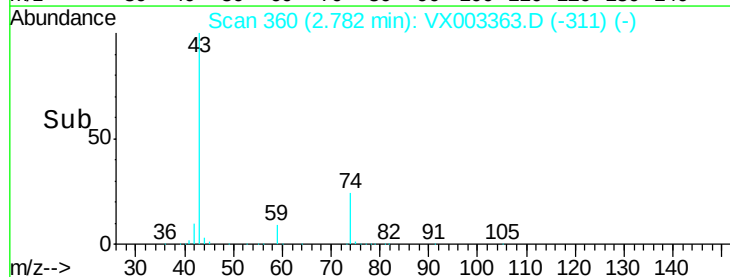
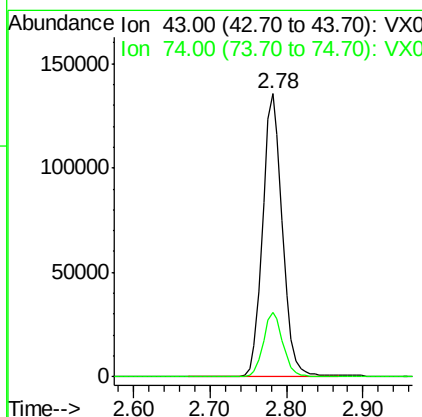
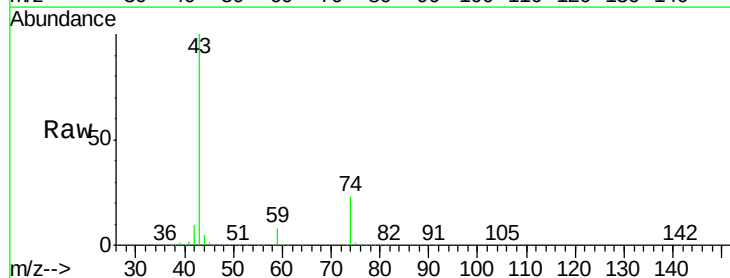
Manual Integrations
APPROVED

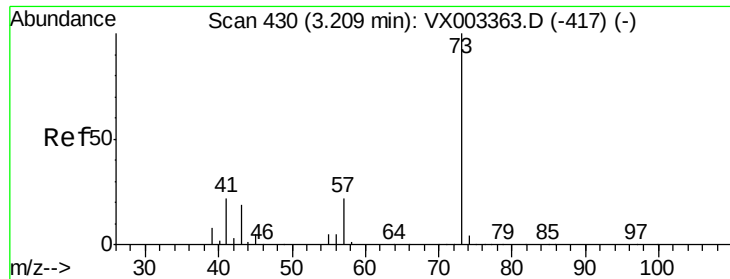
MMDadoda
7/16/2018 11:24:41 AM



#18
Methyl Acetate
Concen: 58.38 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	16.7	25.1





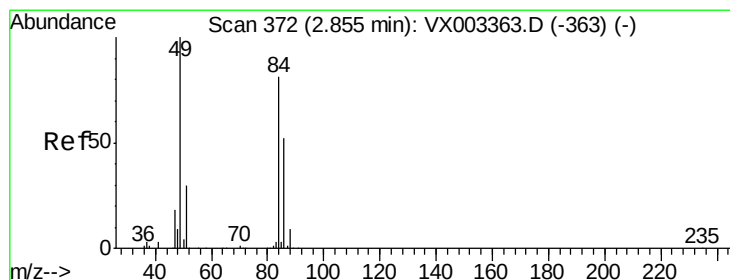
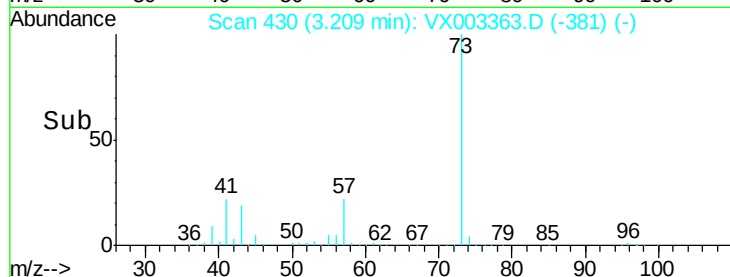
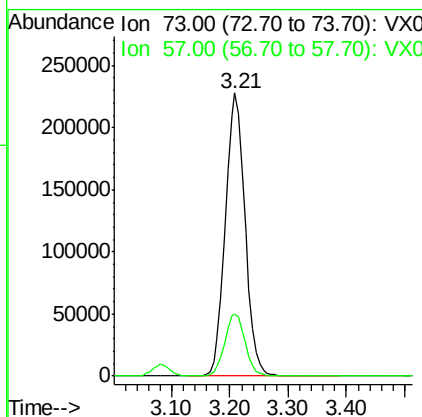
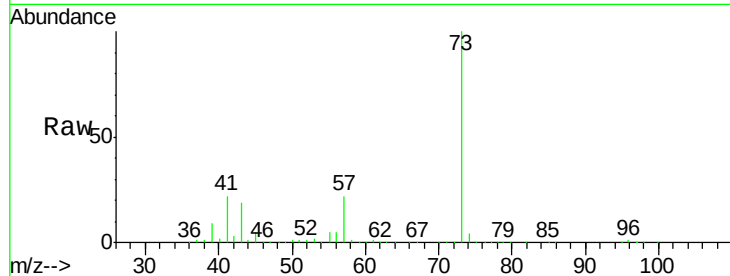
#19
Methyl tert-butyl Ether
Concen: 53.61 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleID :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

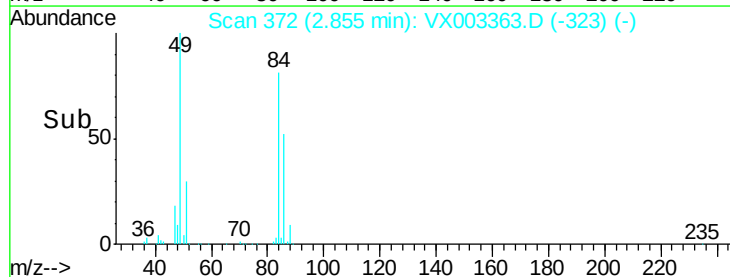
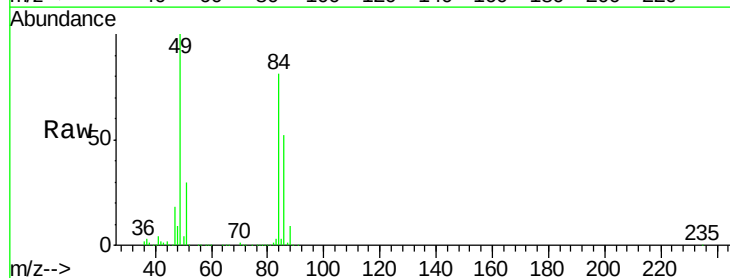
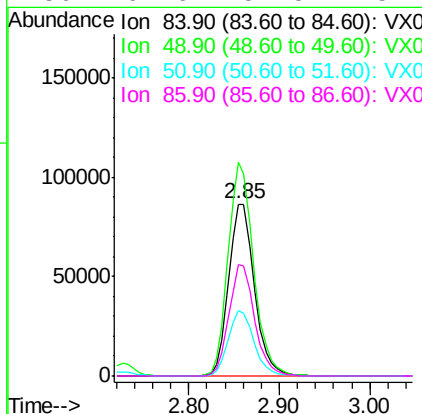
Manual Integrations
APPROVED

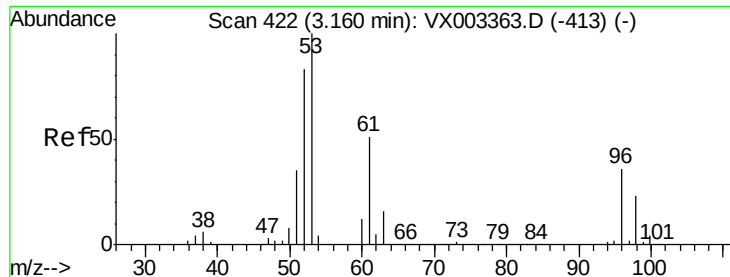
MMDadoda
7/16/2018 11:24:41 AM



#20
Methylene Chloride
Concen: 50.86 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	107.8	161.6
51	37.6	32.8	49.2
86	64.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 48.39 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 154485

Ion Ratio Lower Upper

96 100

61 142.0 117.0 175.4

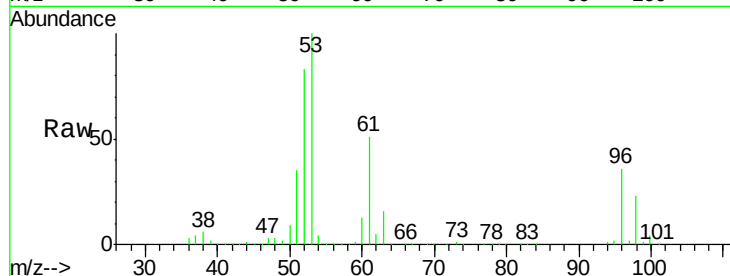
98 64.0 52.4 78.6

Manual Integrations

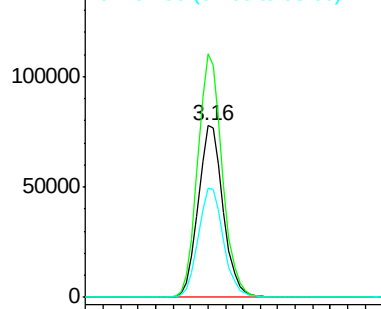
APPROVED

MMDadoda

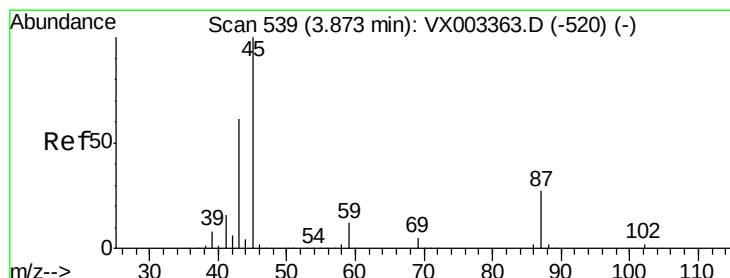
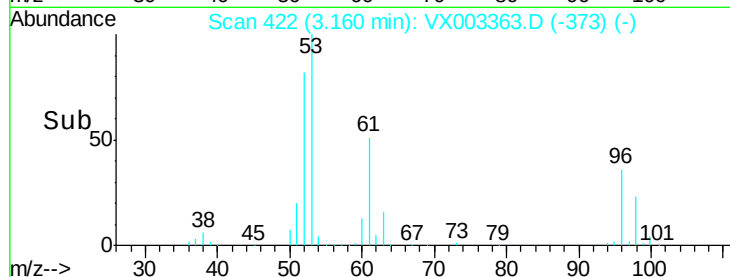
7/16/2018 11:24:41 AM



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



Time-->



#22

Diisopropyl ether

Concen: 45.44 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion: 45 Resp: 512853

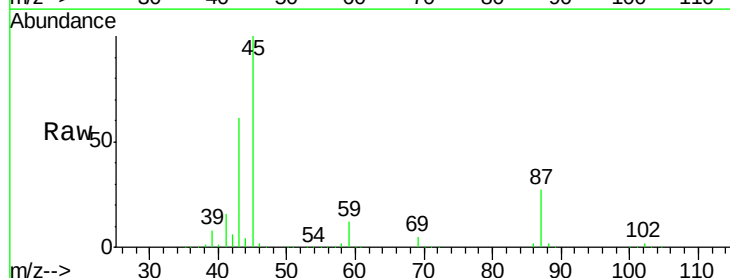
Ion Ratio Lower Upper

45 100

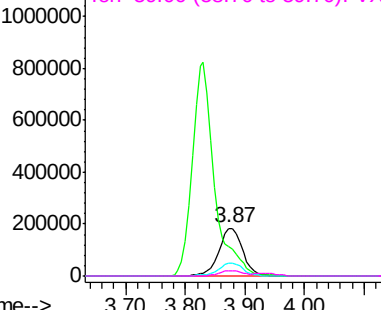
43 60.9 46.8 70.2

87 27.1 20.2 30.4

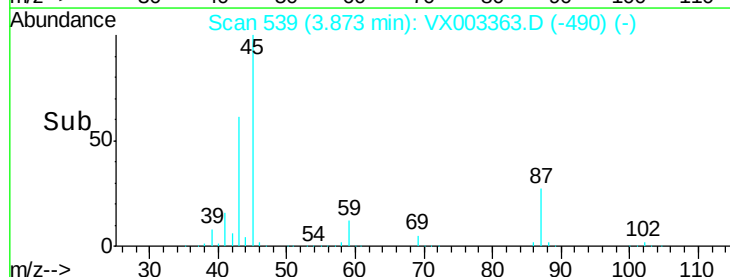
59 11.8 8.7 13.1

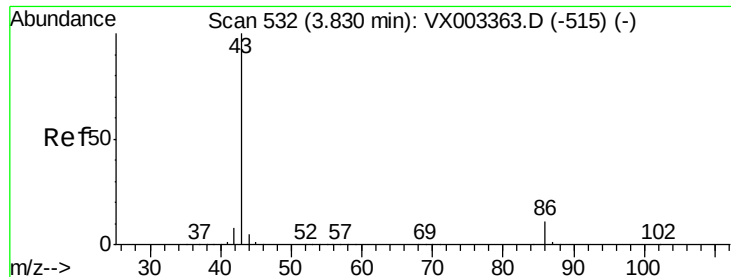


Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0



Time-->





#23

Vinyl Acetate

Concen: 222.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2129009

Ion Ratio Lower Upper

43 100

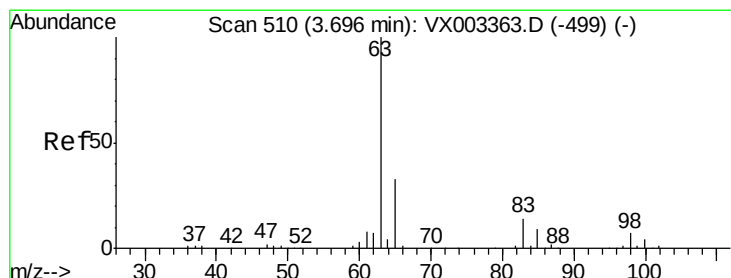
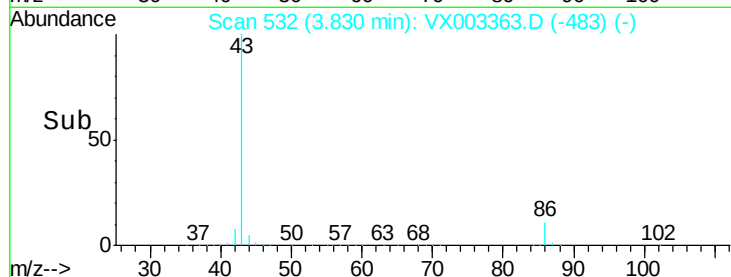
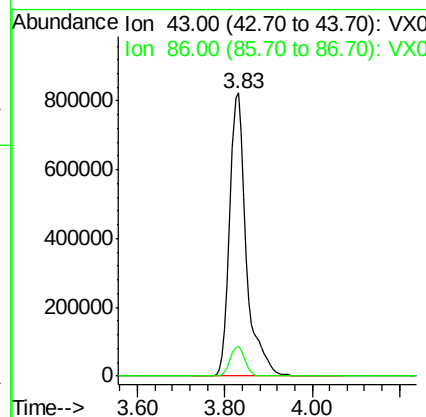
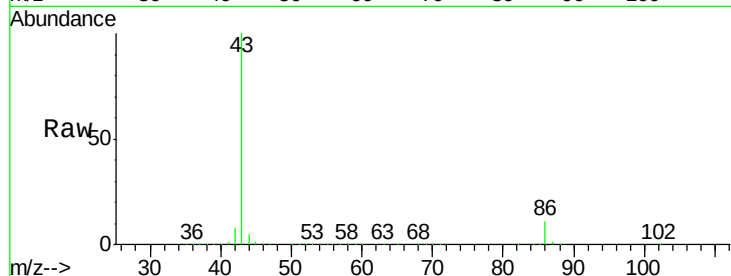
86 10.6 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



#24

1,1-Dichloroethane

Concen: 49.39 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

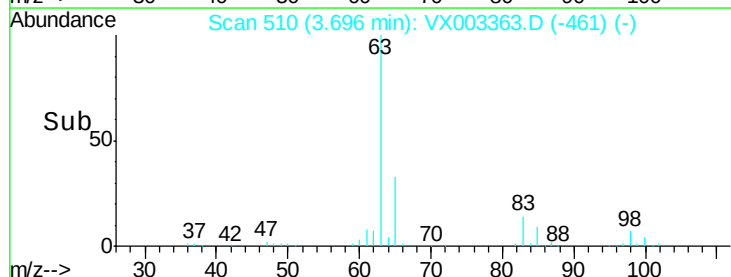
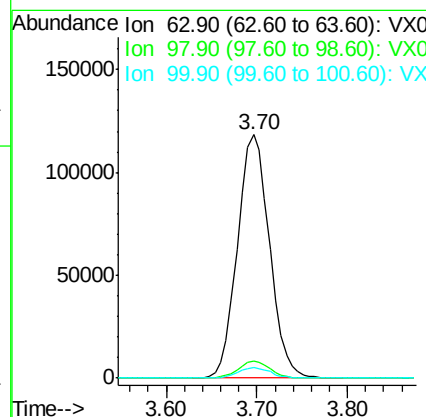
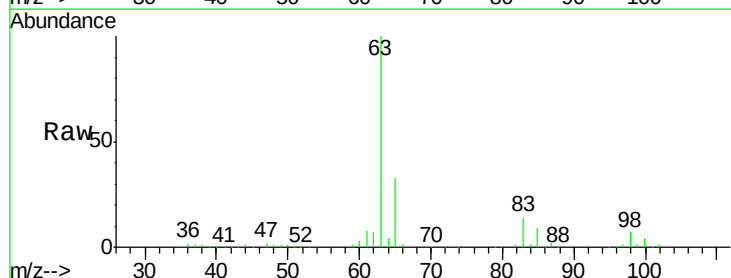
Tgt Ion: 63 Resp: 290129

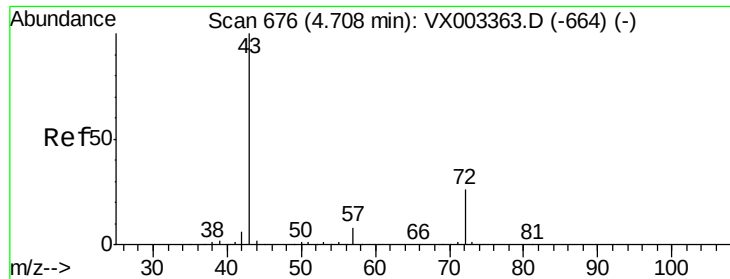
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 217.84 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 574021

Ion Ratio Lower Upper

43 100

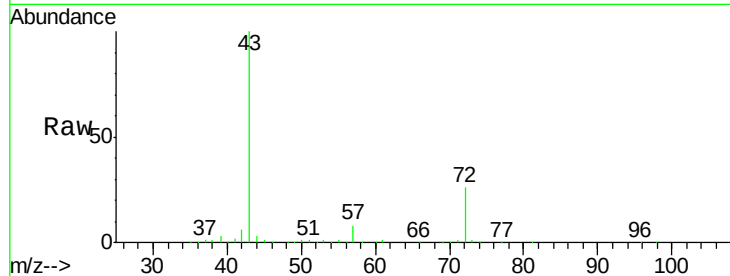
72 25.5 18.5 27.7

Manual Integrations

APPROVED

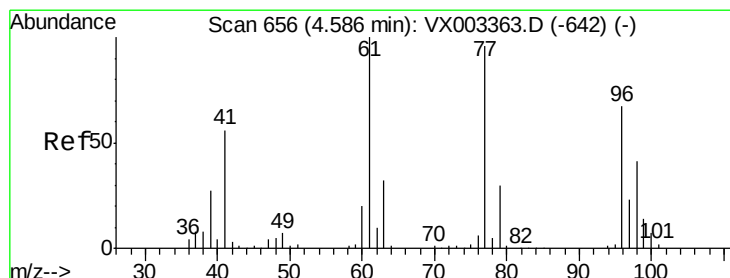
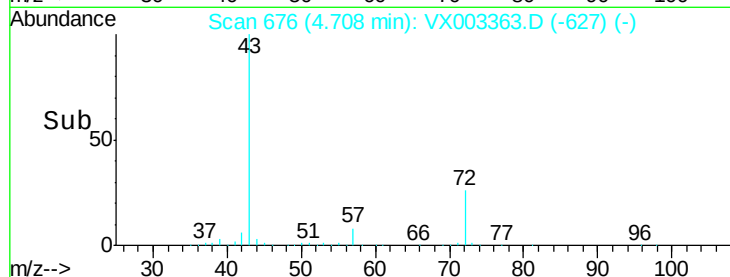
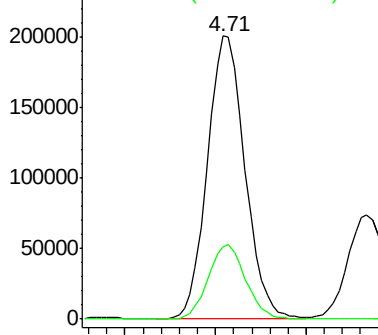
MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 39.58 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003363.D

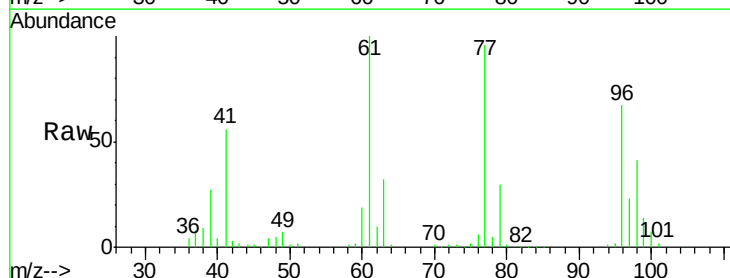
Acq: 13 Jul 2018 12:52

Tgt Ion: 77 Resp: 203391

Ion Ratio Lower Upper

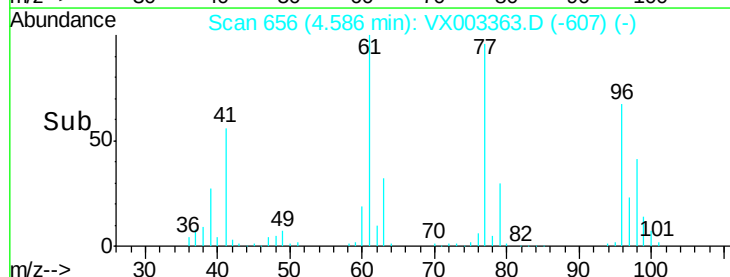
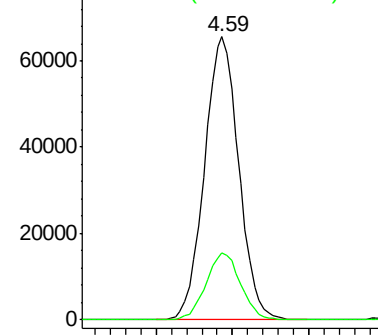
77 100

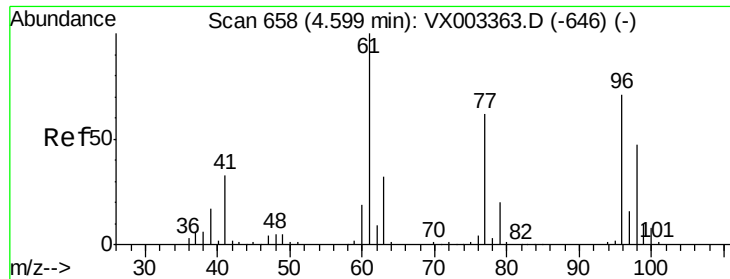
97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

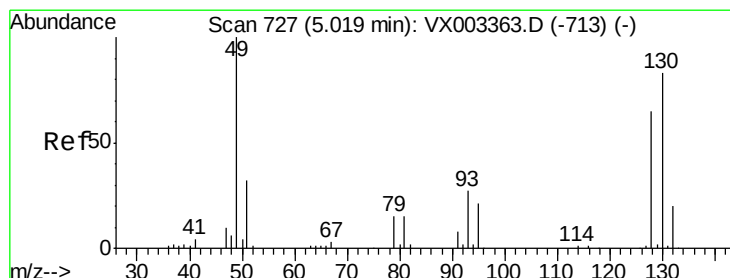
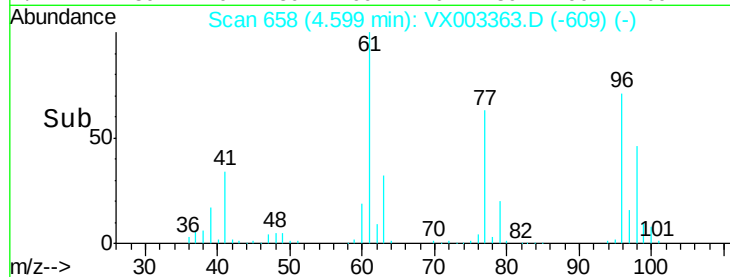
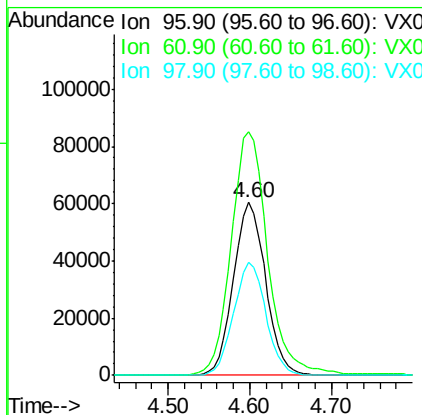
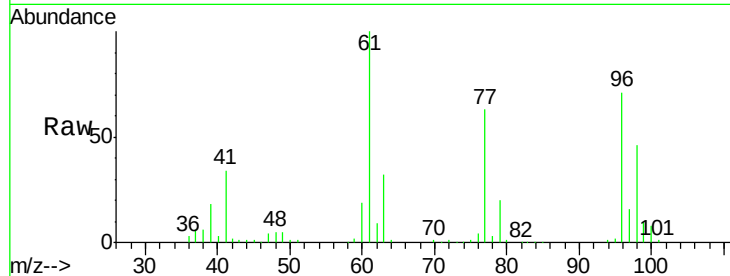
cis-1,2-Dichloroethene
Concen: 42.18 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	330.2
98	65.3	0.0	130.2

Manual Integrations
APPROVED

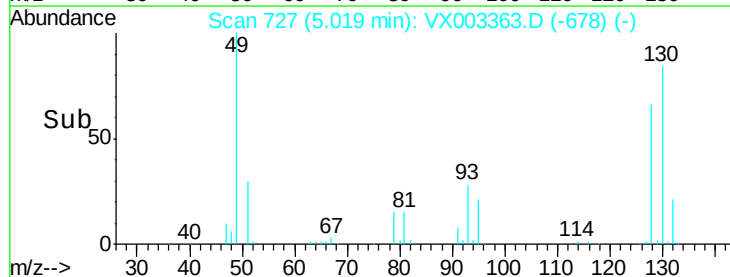
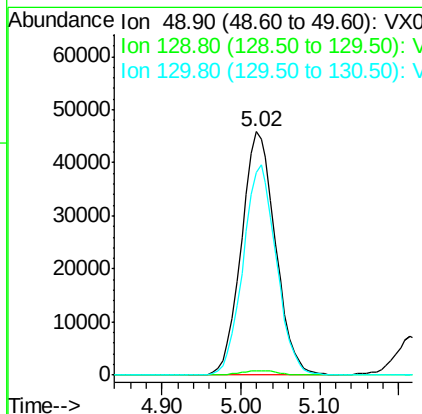
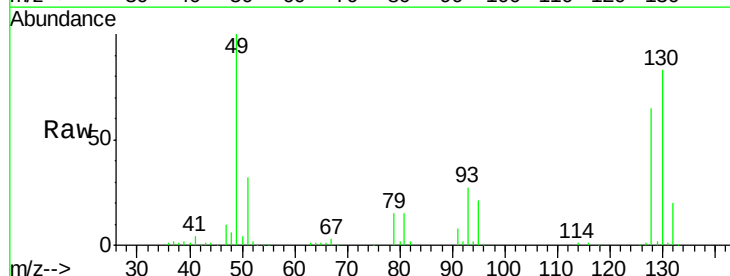
MMDadoda
7/16/2018 11:24:41 AM

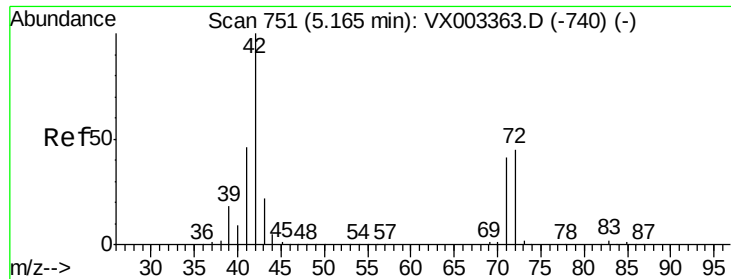


#28

Bromochloromethane
Concen: 46.56 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.1	61.2	91.8





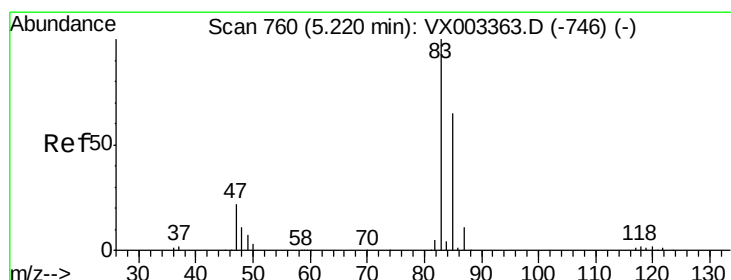
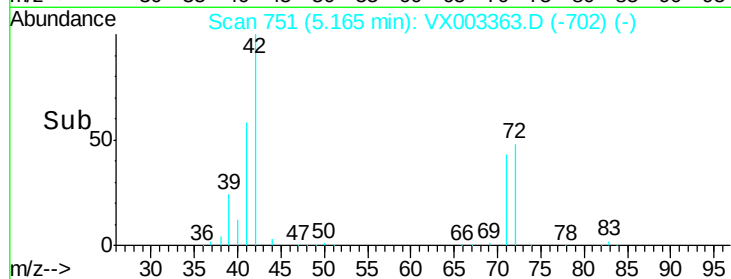
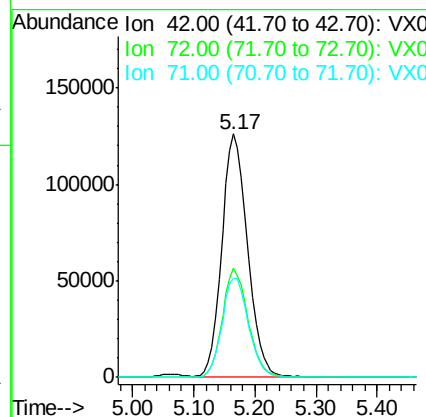
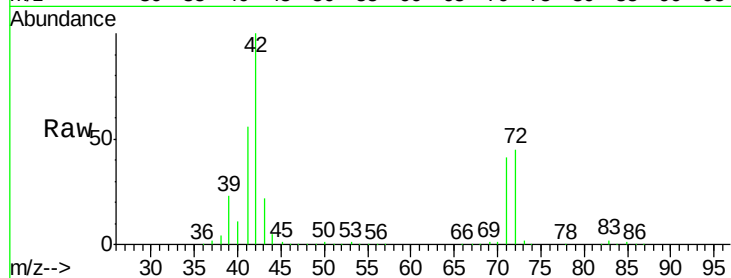
#29
Tetrahydrofuran
Concen: 215.85 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	32.0	48.0
71	42.0	30.1	45.1

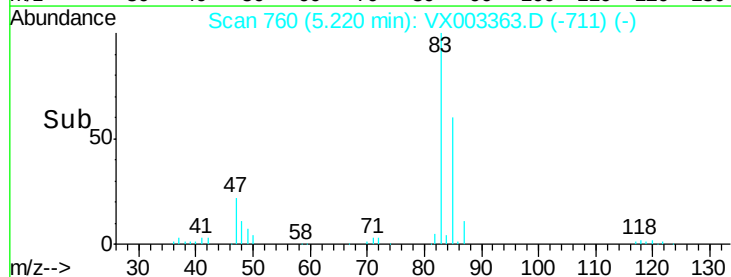
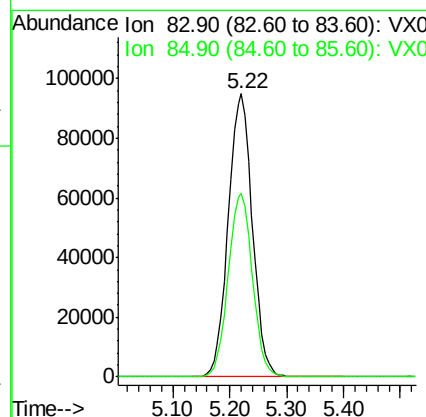
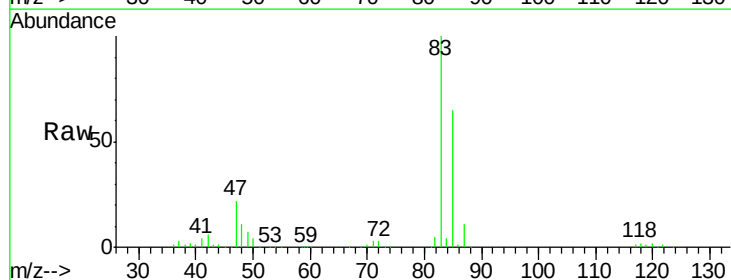
Manual Integrations
APPROVED

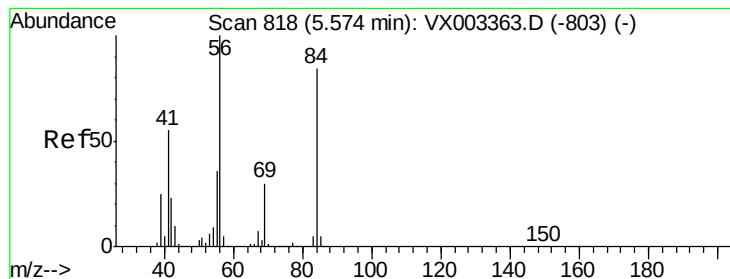
MMDadoda
7/16/2018 11:24:41 AM



#30
Chloroform
Concen: 43.32 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6





#31

Cyclohexane

Concen: 40.86 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

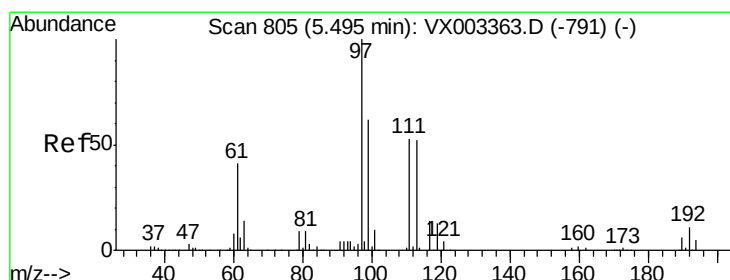
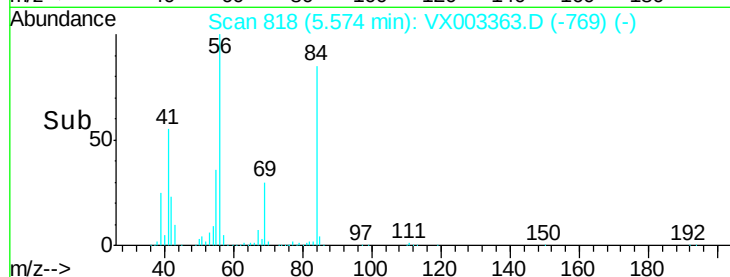
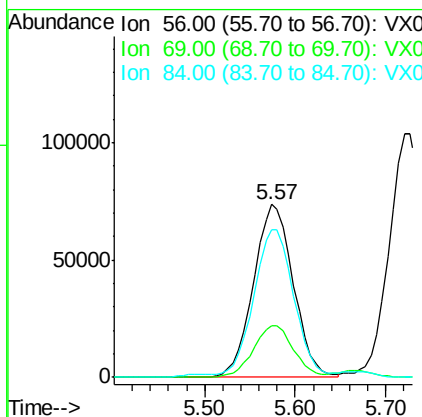
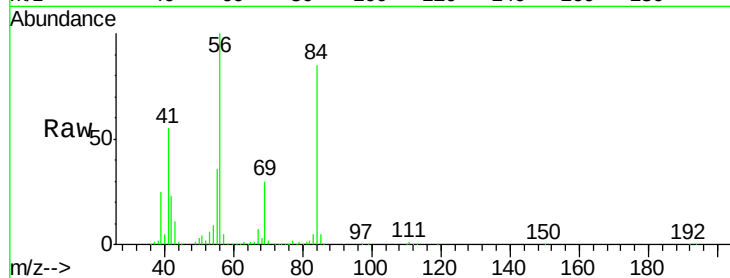
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	224746
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	84.0	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#32

1,1,1-Trichloroethane

Concen: 41.85 ug/l

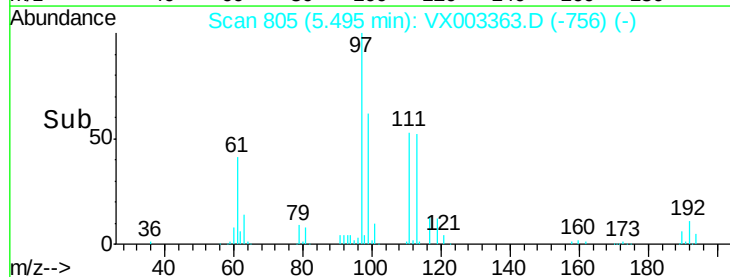
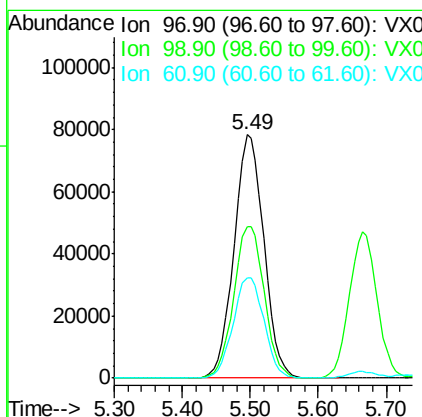
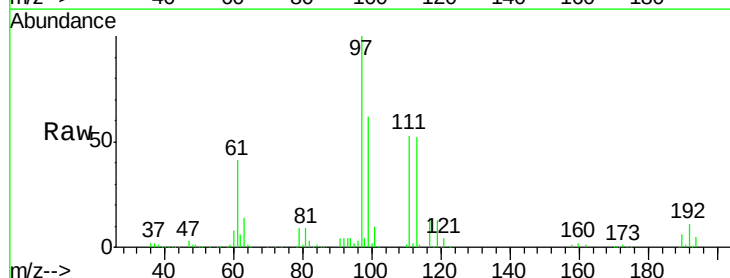
RT: 5.49 min Scan# 805

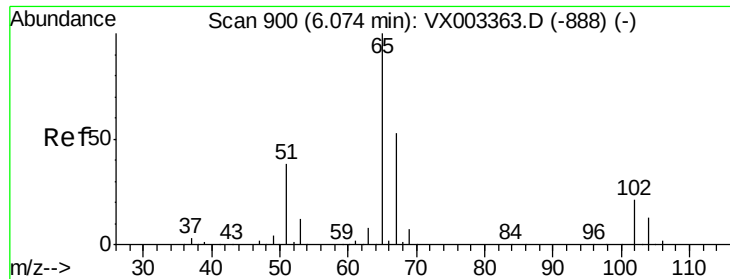
Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	97	Resp:	238597
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	43.0	36.4	54.6





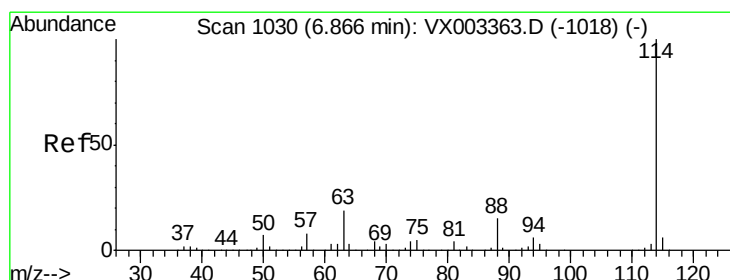
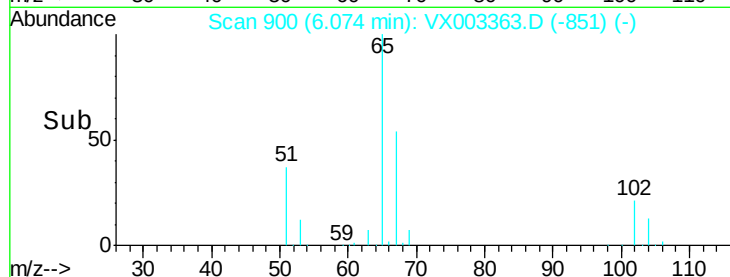
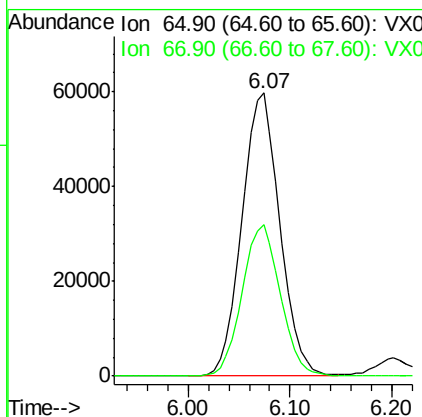
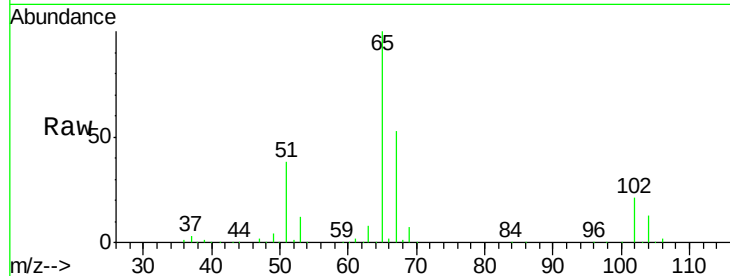
#33
 1,2-Dichloroethane-d4
 Concen: 36.80 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 154374
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 102.6

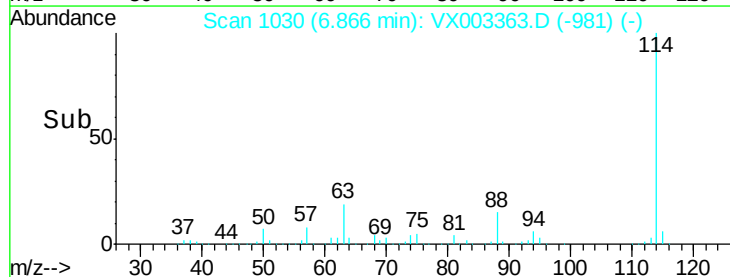
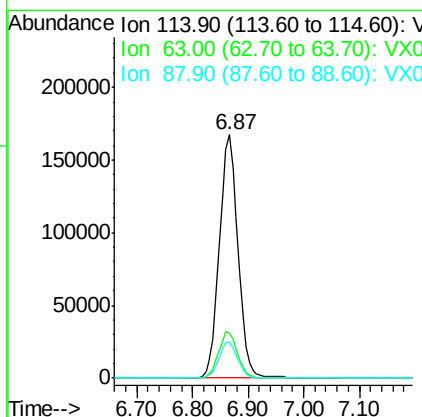
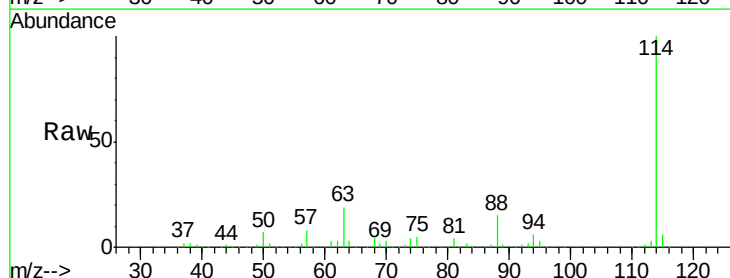
Manual Integrations
 APPROVED

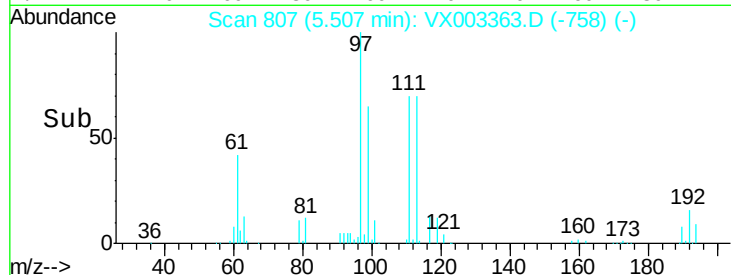
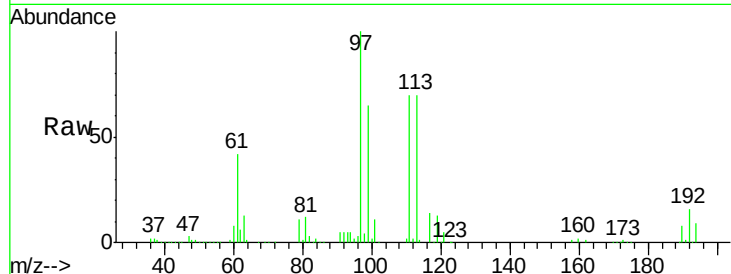
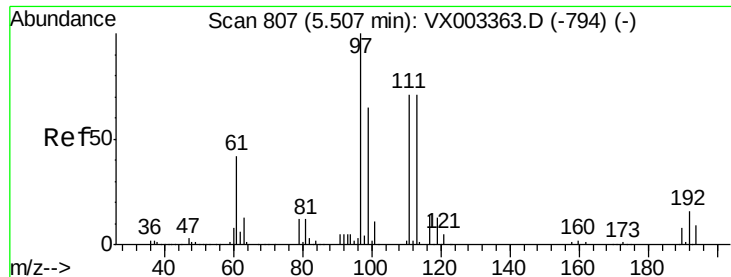
MMDadoda
 7/16/2018 11:24:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion: 114 Resp: 387897
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 14.9 0.0 30.0





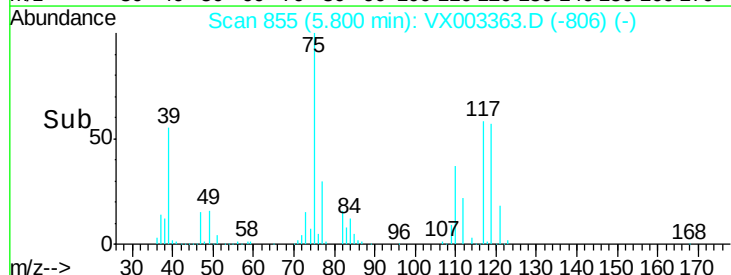
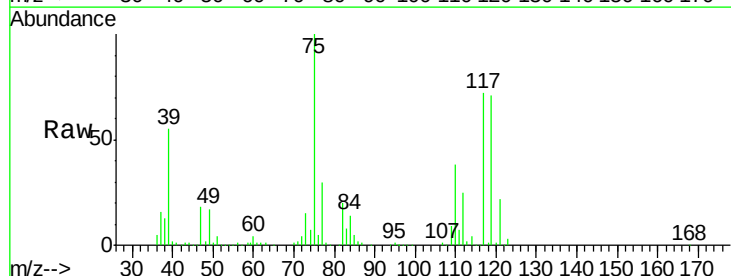
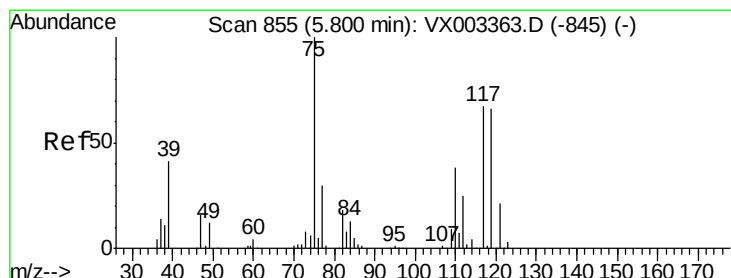
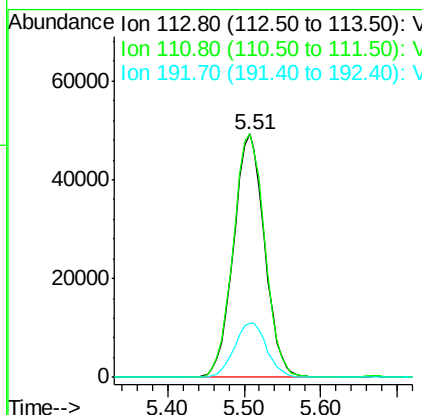
#35
Dibromofluoromethane
Concen: 33.15 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138164		
111	101.7	81.4	122.0	
192	23.3	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

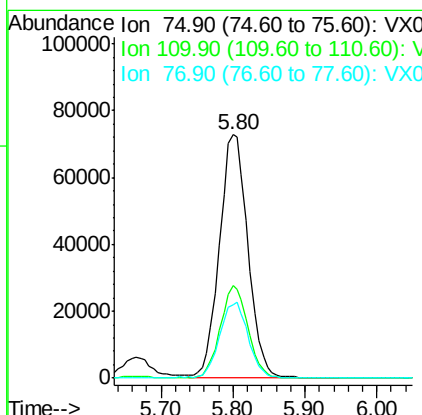
Manual Integrations
APPROVED

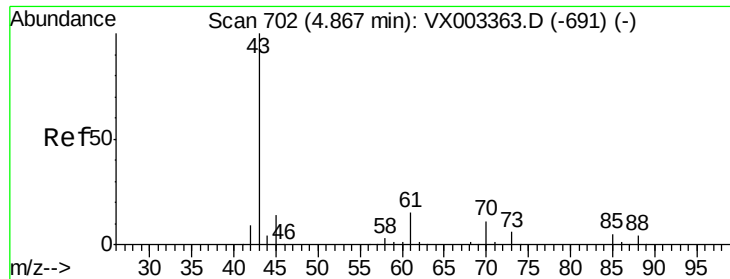
MMDadoda
7/16/2018 11:24:41 AM



#36
1,1-Dichloropropene
Concen: 36.34 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199566		
110	37.2	18.1	54.4	
77	31.5	24.3	36.5	





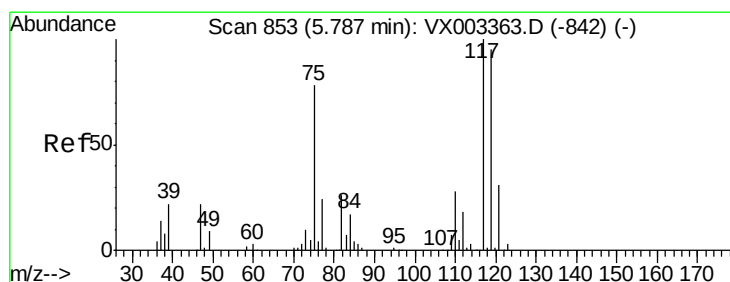
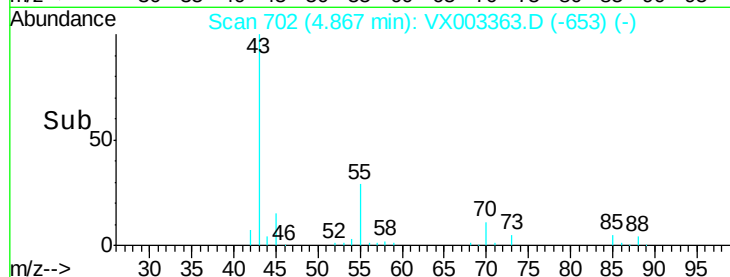
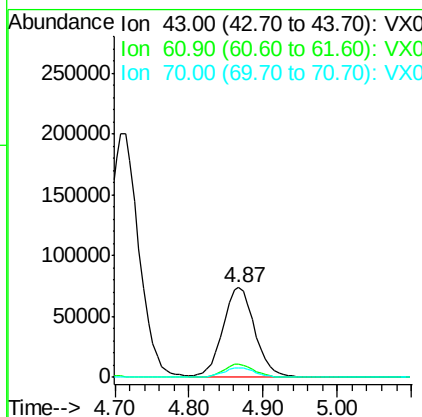
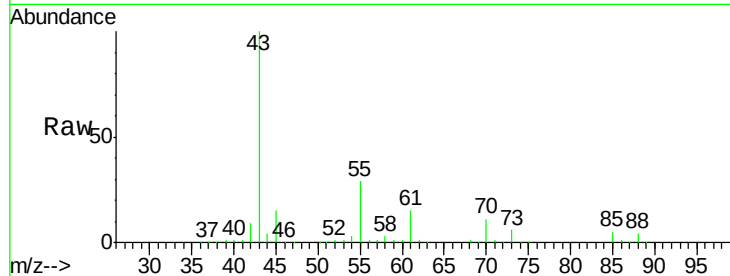
#37
Ethyl Acetate
Concen: 36.53 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	10.5	7.6	11.4

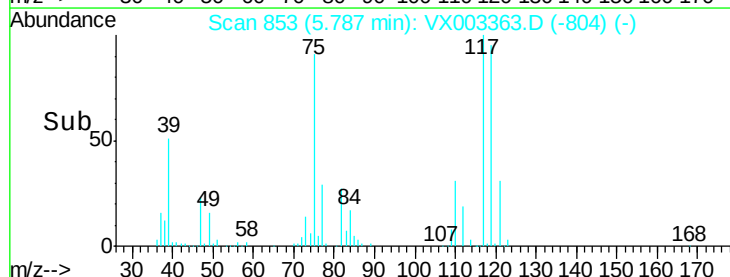
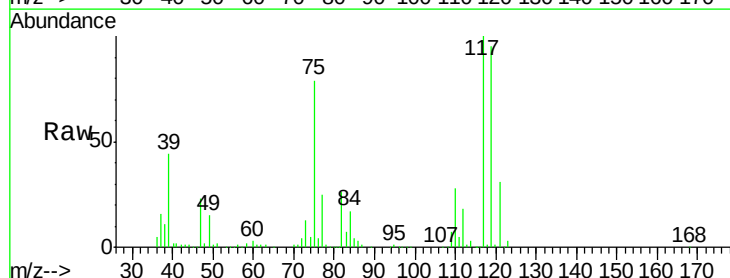
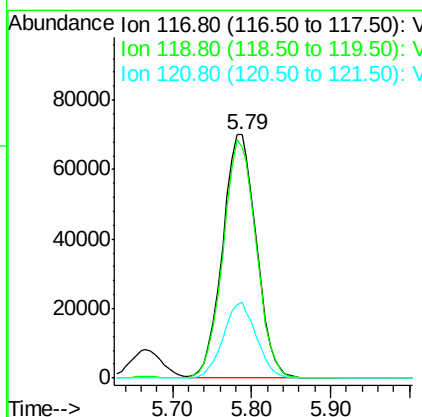
Manual Integrations
APPROVED

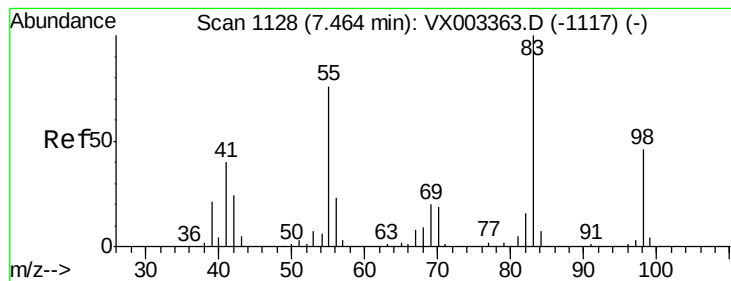
MMDadoda
7/16/2018 11:24:41 AM



#38
Carbon Tetrachloride
Concen: 34.72 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.4	116.0
121	30.9	24.4	36.6





#39

Methylvlcyclohexane

Concen: 35.24 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

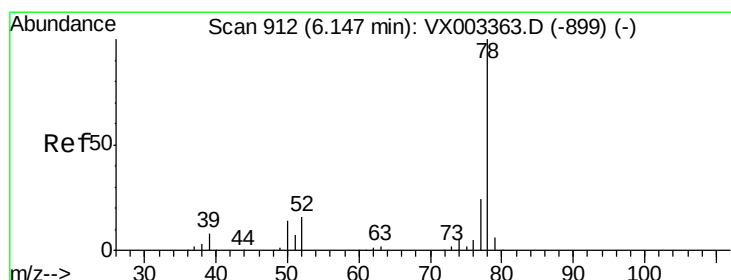
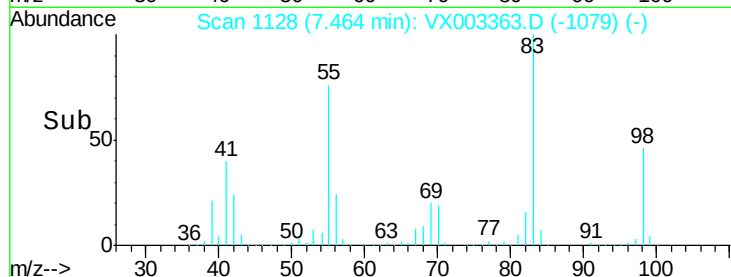
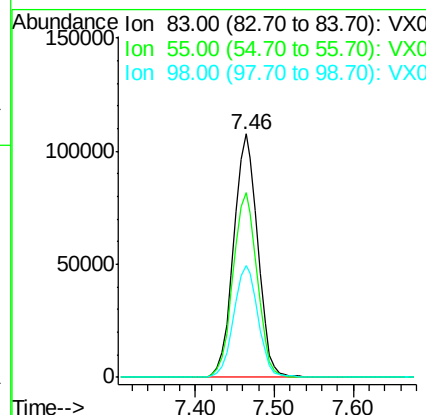
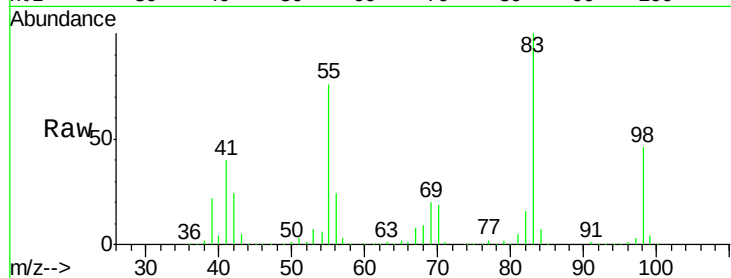
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	227979
Ion	Ratio	Lower	Upper
83	100		
55	75.7	65.4	98.0
98	45.7	37.4	56.0

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#40

Benzene

Concen: 38.10 ug/l

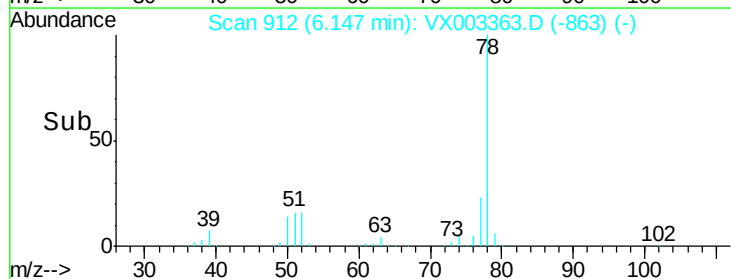
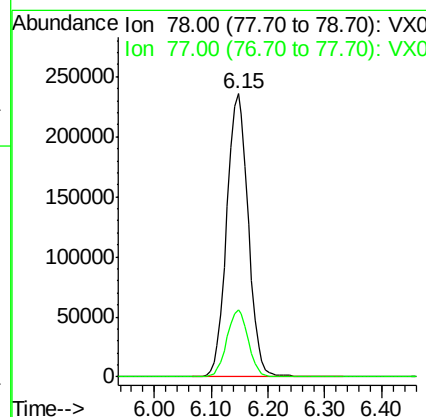
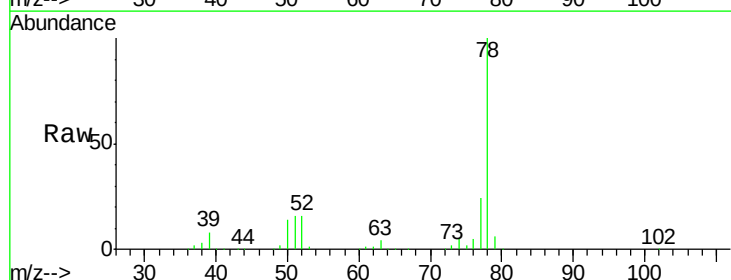
RT: 6.15 min Scan# 912

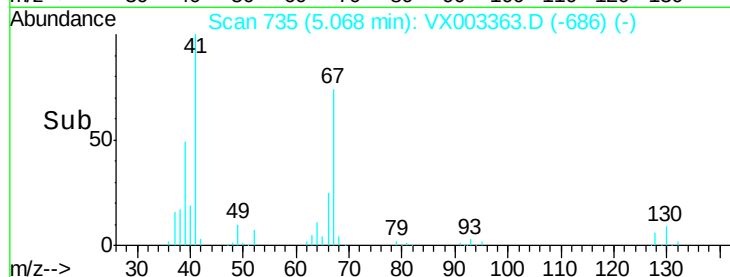
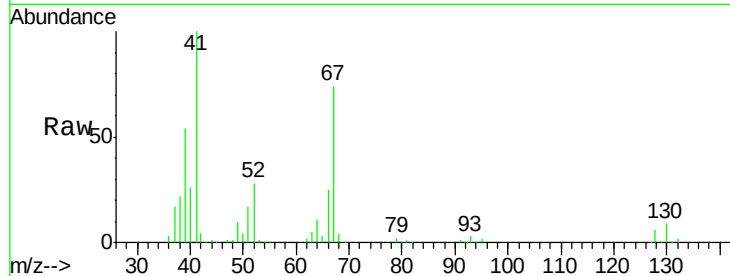
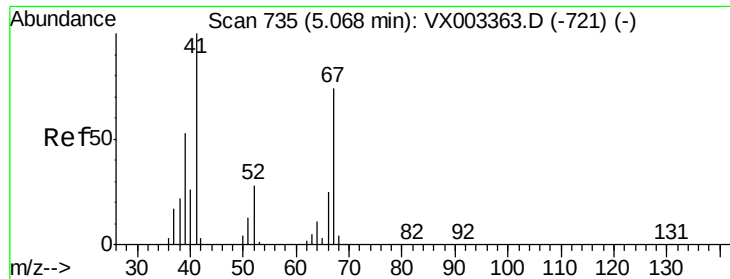
Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	78	Resp:	620040
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





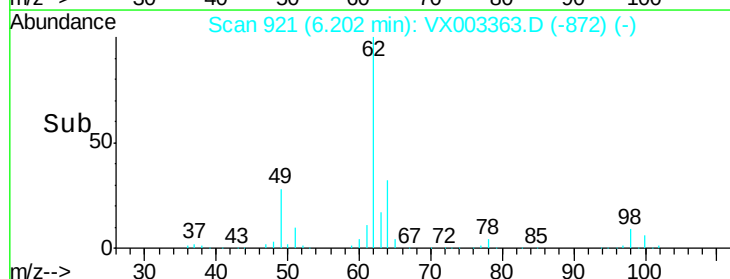
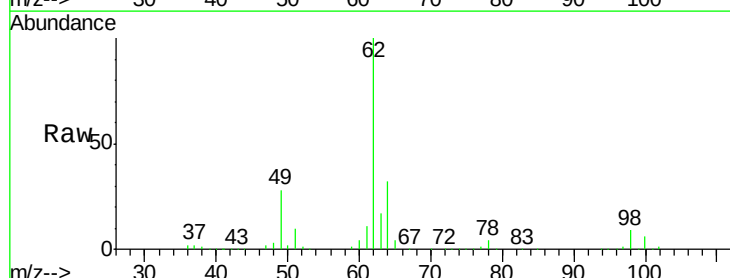
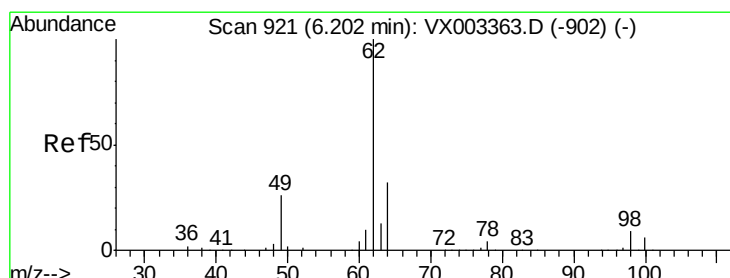
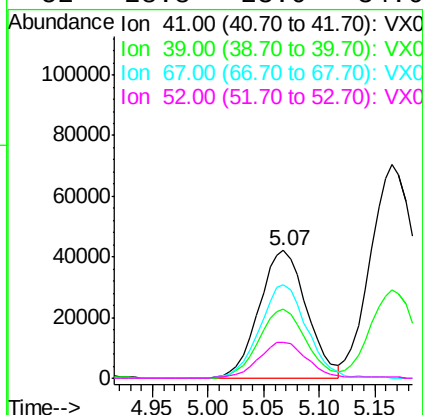
#41
Methacrylonitrile
Concen: 38.10 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	45.8	68.6	
67	72.5	51.3	76.9	
52	28.8	23.0	34.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

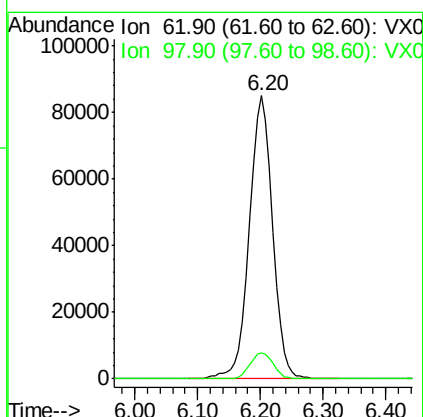
Manual Integrations
APPROVED

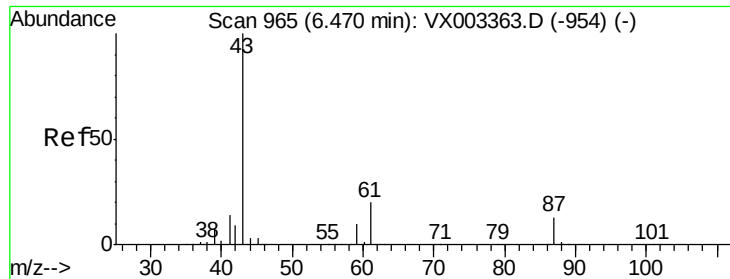
MMDadoda
7/16/2018 11:24:41 AM



#42
1,2-Dichloroethane
Concen: 35.99 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	16.6	





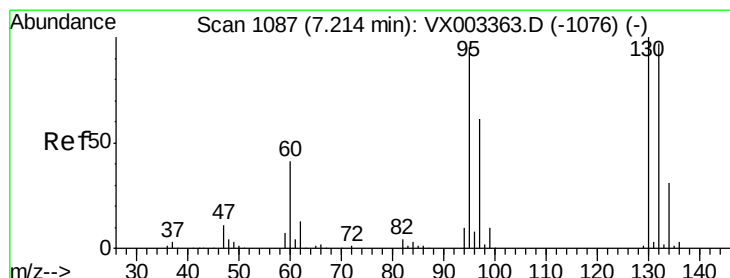
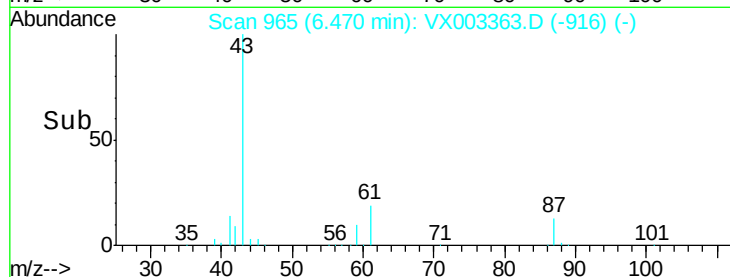
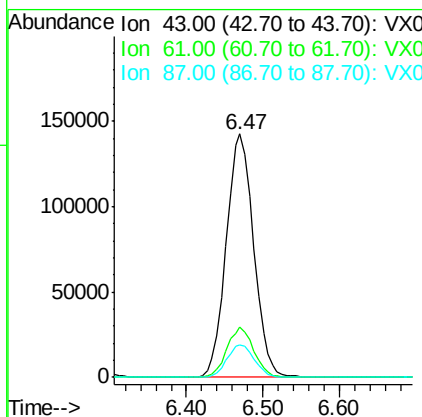
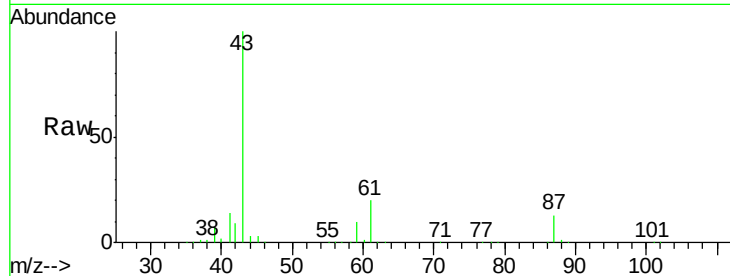
#43
Isopropyl Acetate
Concen: 37.26 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.4	21.6
87	13.4	9.5	14.3

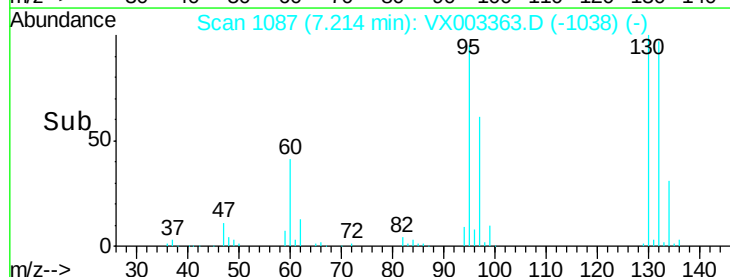
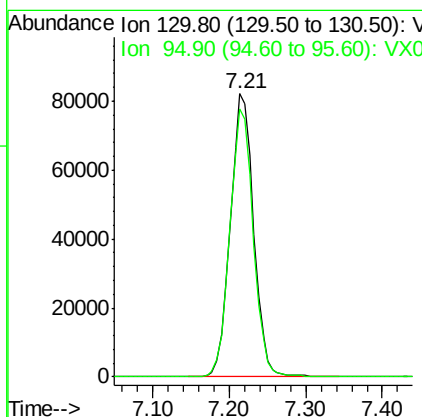
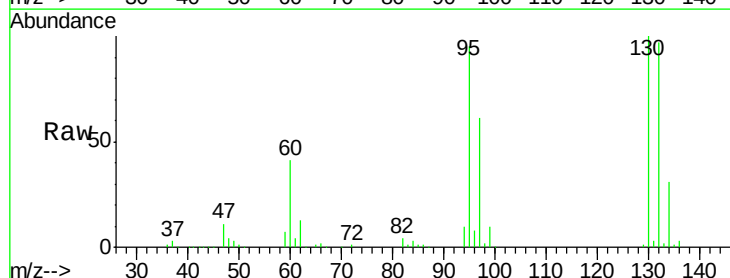
Manual Integrations
APPROVED

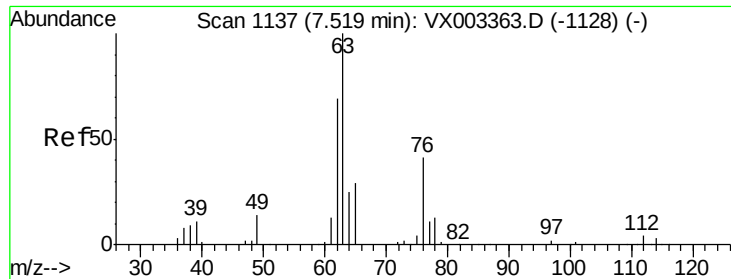
MMDadoda
7/16/2018 11:24:41 AM



#44
Trichloroethene
Concen: 35.92 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	185.4





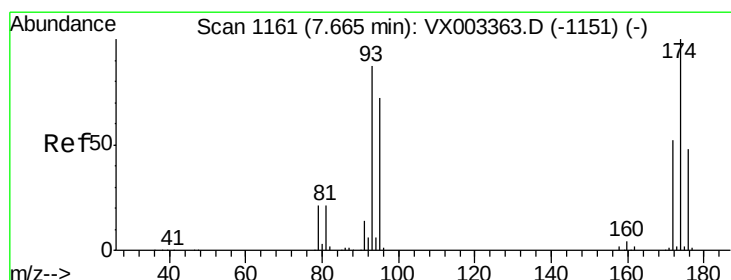
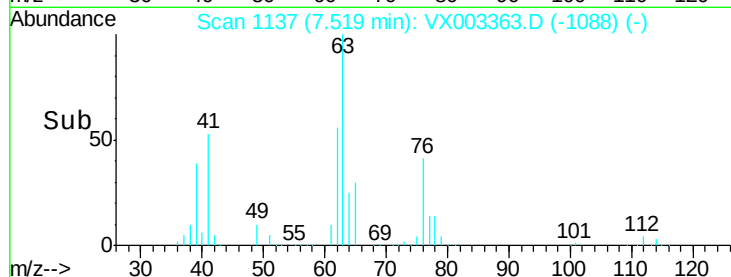
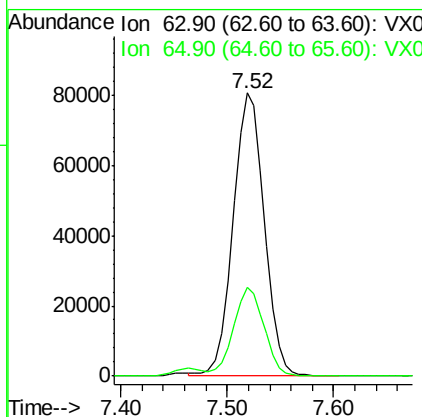
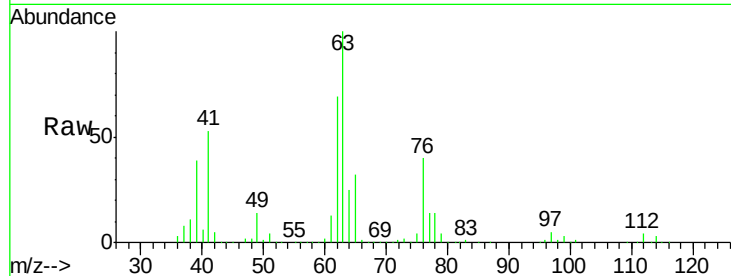
#45
 1,2-Dichloropropane
 Concen: 38.95 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 164777
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1

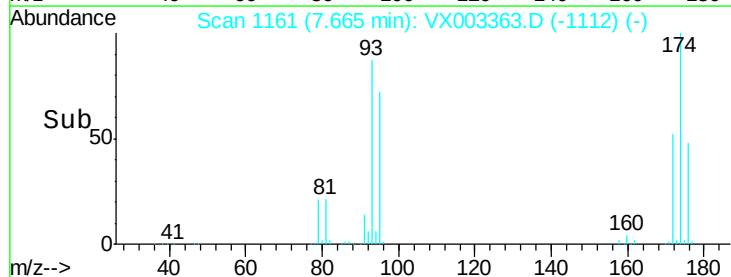
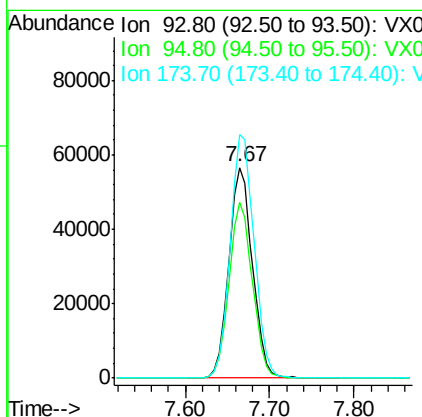
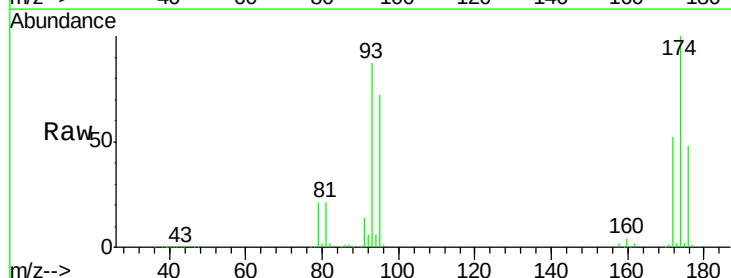
Manual Integrations
 APPROVED

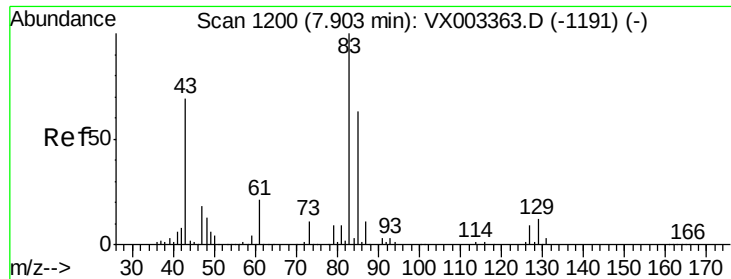
MMDadoda
 7/16/2018 11:24:41 AM



#46
 Dibromomethane
 Concen: 37.44 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion: 93 Resp: 107968
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 116.8 92.4 138.6





#47

Bromodichloromethane

Concen: 39.00 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

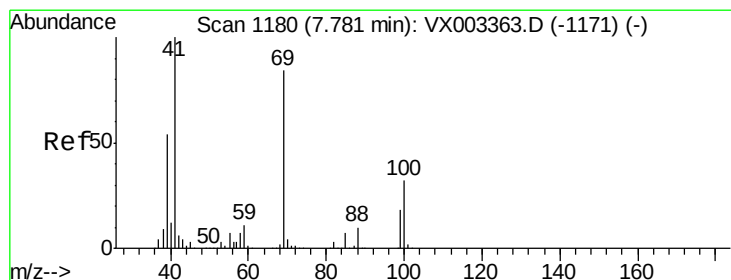
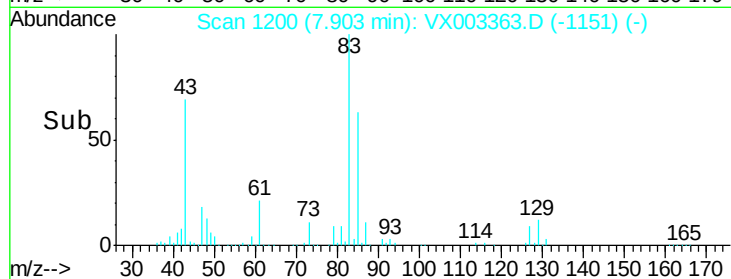
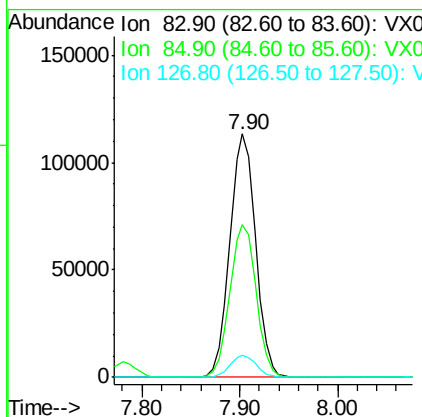
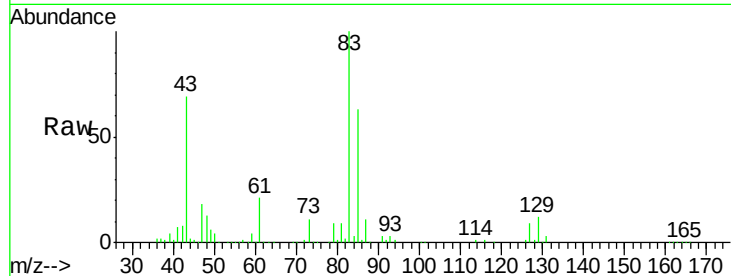
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	207535
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#48

Methyl methacrylate

Concen: 37.45 ug/l

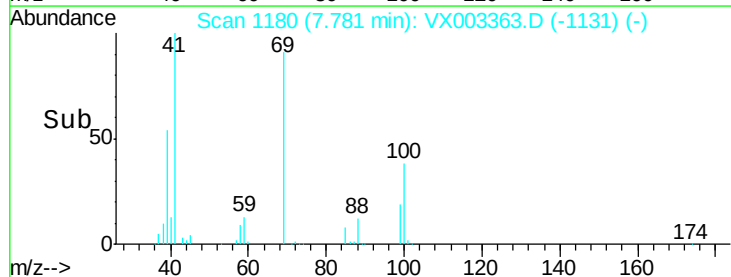
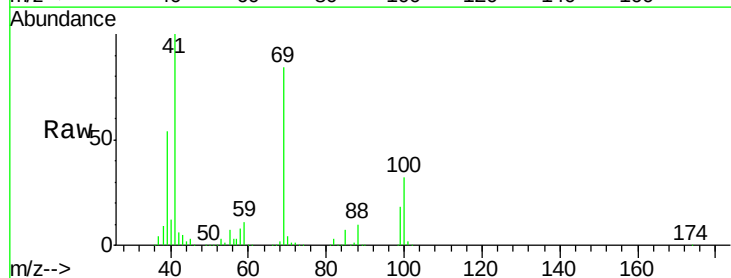
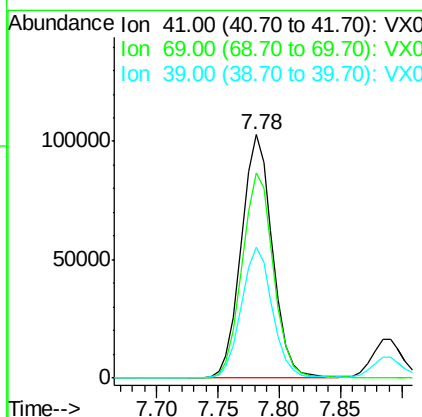
RT: 7.78 min Scan# 1180

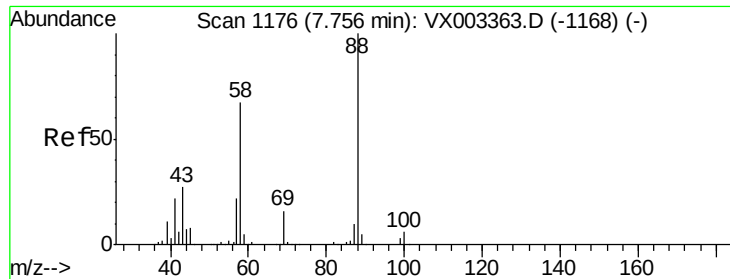
Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	41	Resp:	181547
Ion	Ratio	Lower	Upper
41	100		
69	85.7	59.1	88.7
39	53.4	48.9	73.3





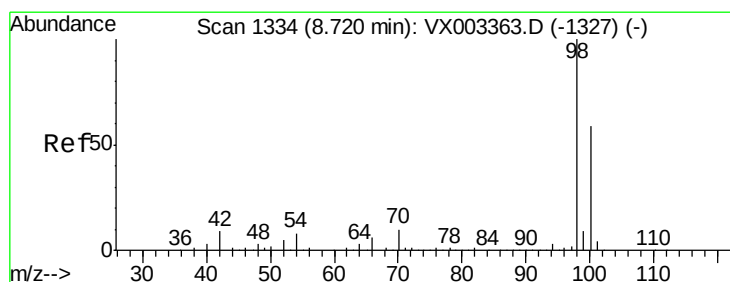
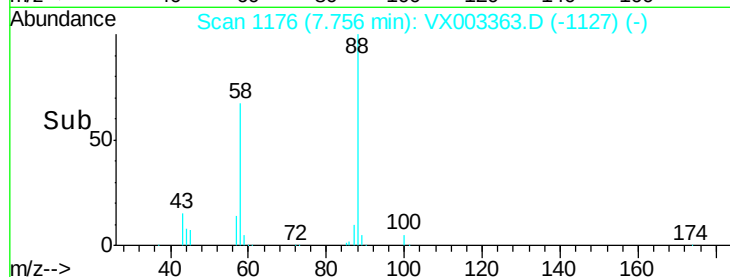
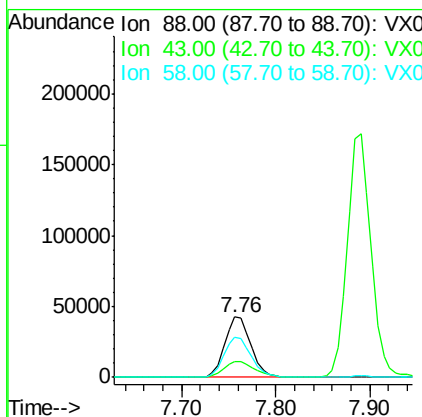
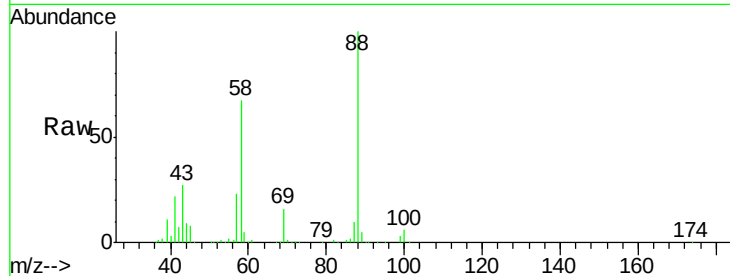
#49
1,4-Dioxane
Concen: 804.35 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	29.8	44.6
58	70.2	57.1	85.7

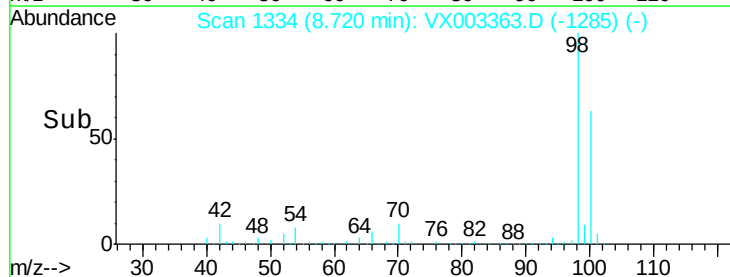
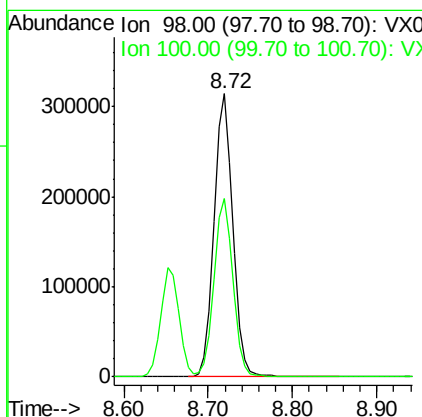
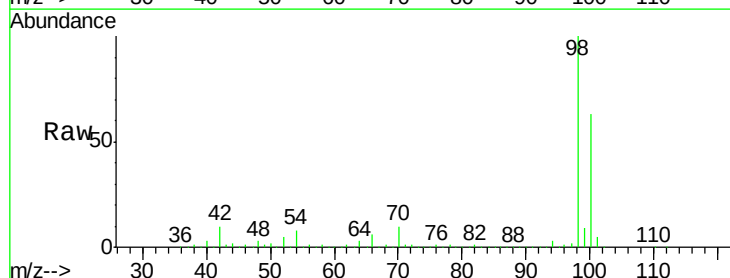
Manual Integrations
APPROVED

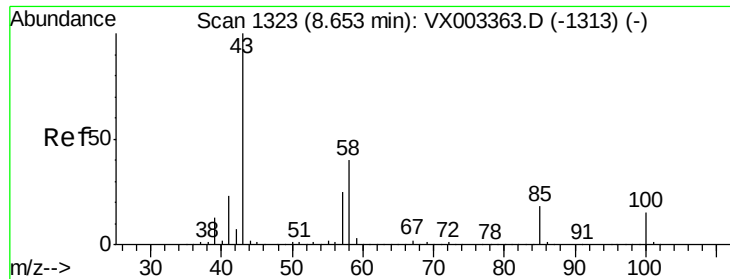
MMDadoda
7/16/2018 11:24:41 AM



#50
Toluene-d8
Concen: 32.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 203.09 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1195176

Ion Ratio Lower Upper

43 100

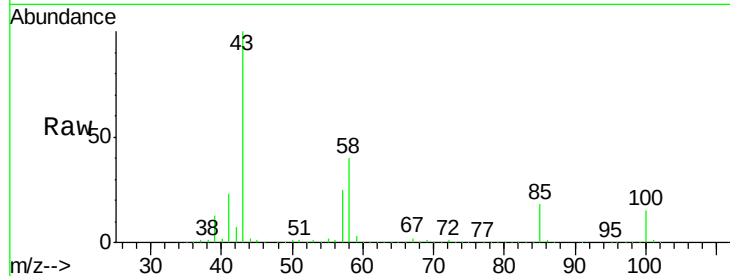
58 39.7 28.6 42.8

Manual Integrations

APPROVED

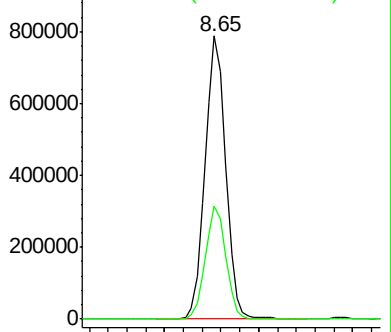
MMDadoda

7/16/2018 11:24:41 AM

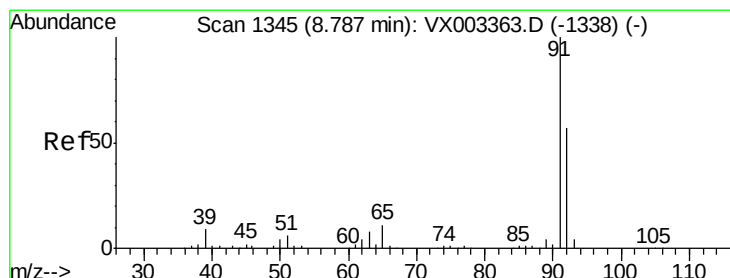
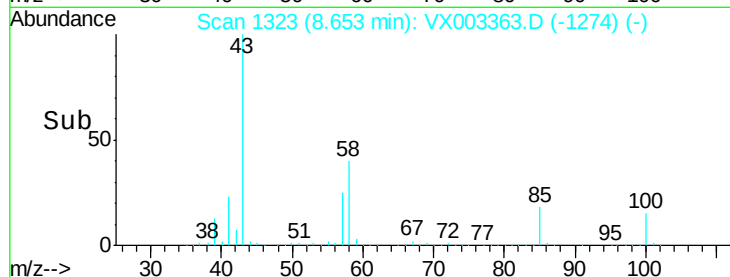


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 38.76 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003363.D

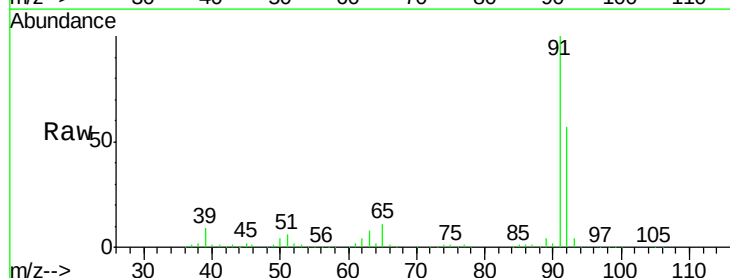
Acq: 13 Jul 2018 12:52

Tgt Ion: 92 Resp: 398713

Ion Ratio Lower Upper

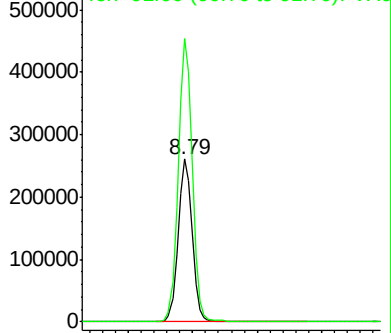
92 100

91 174.4 140.4 210.6

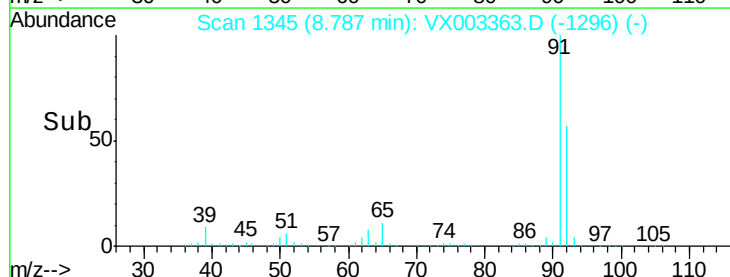


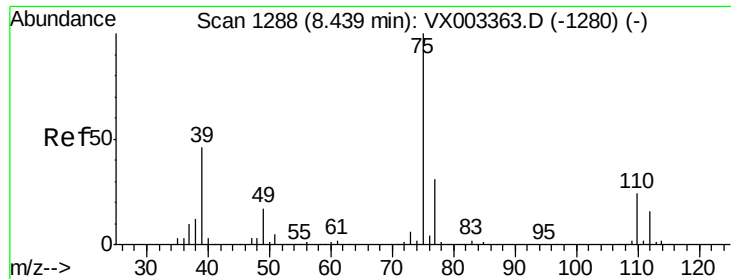
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





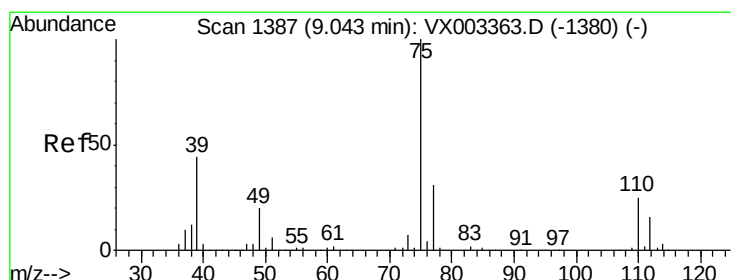
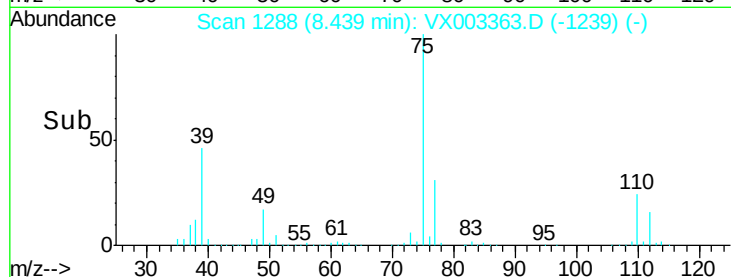
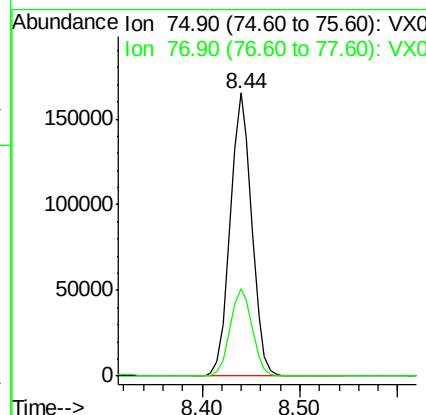
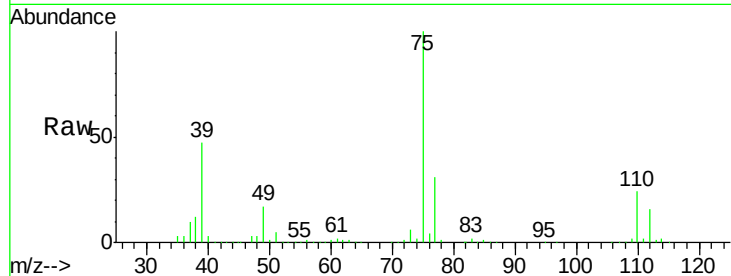
#53
t-1,3-Dichloropropene
Concen: 40.21 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

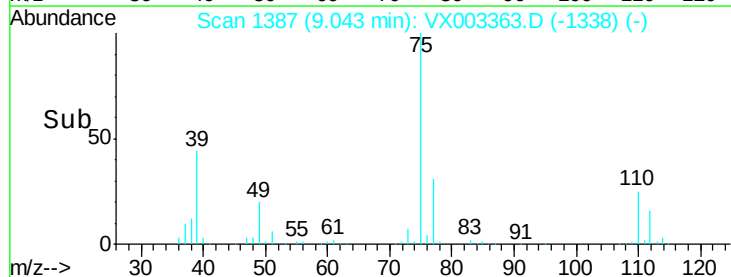
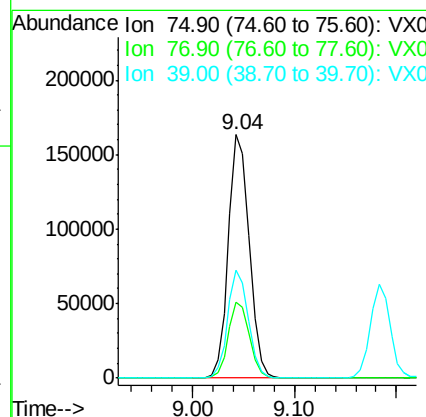
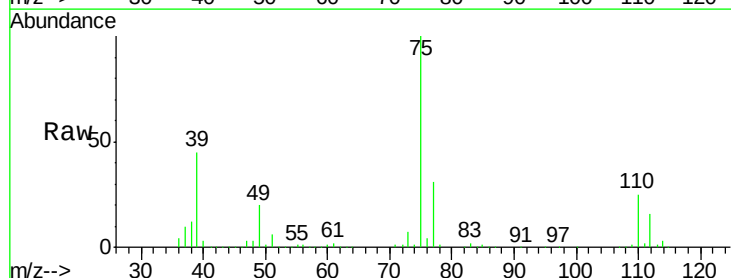
Manual Integrations
APPROVED

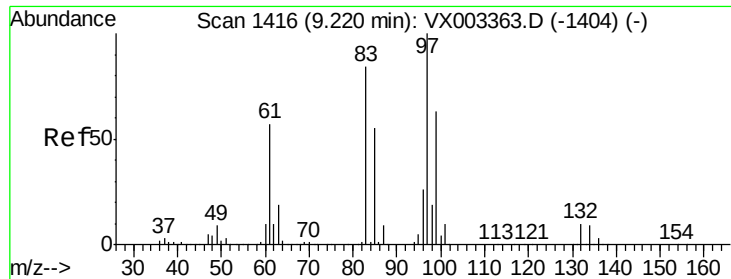
MMDadoda
7/16/2018 11:24:41 AM



#54
cis-1,3-Dichloropropene
Concen: 40.87 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	44.4	42.4	63.6





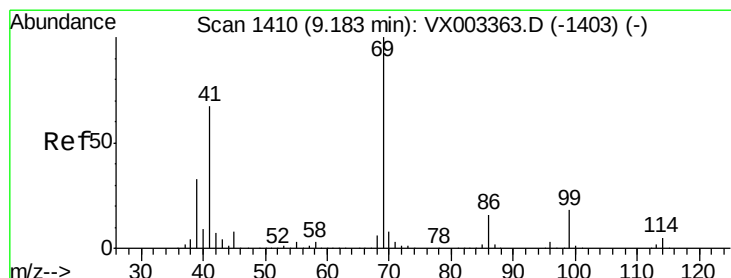
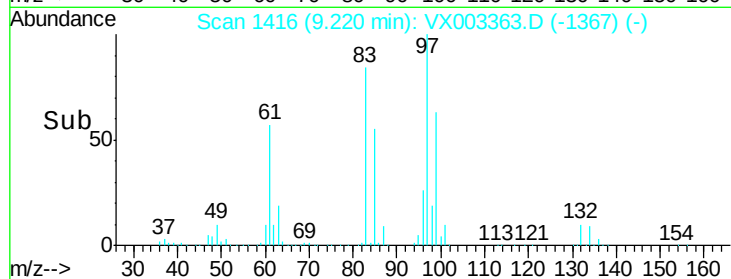
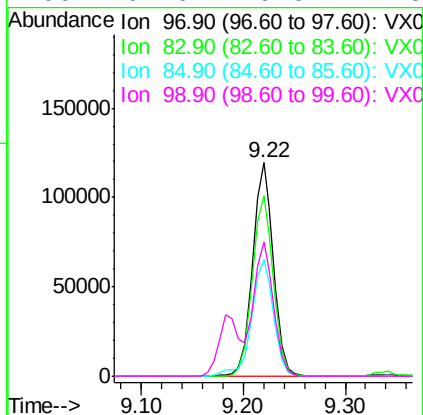
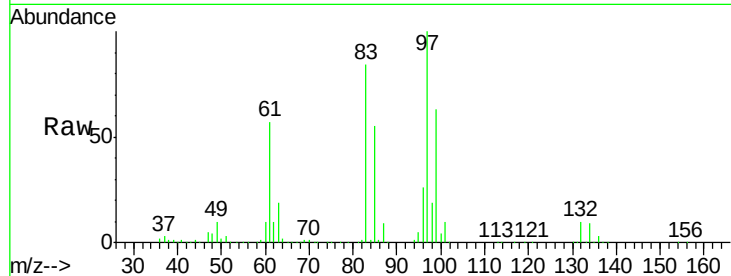
#55
 1,1,2-Trichloroethane
 Concen: 40.04 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	170865
Ion Ratio	Lower	Upper	
97	100		
83	84.5	70.2	105.2
85	54.5	44.9	67.3
99	62.6	49.8	74.8

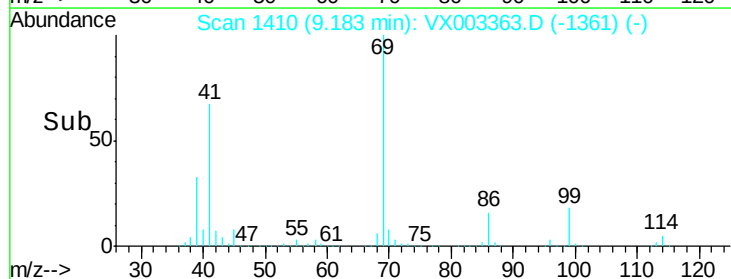
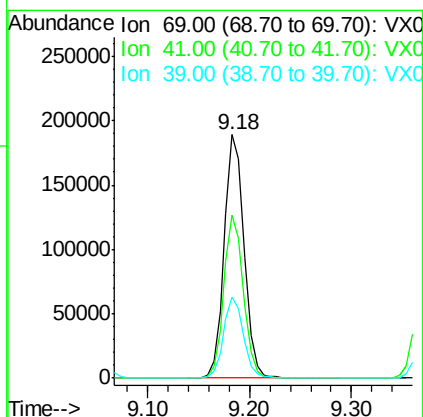
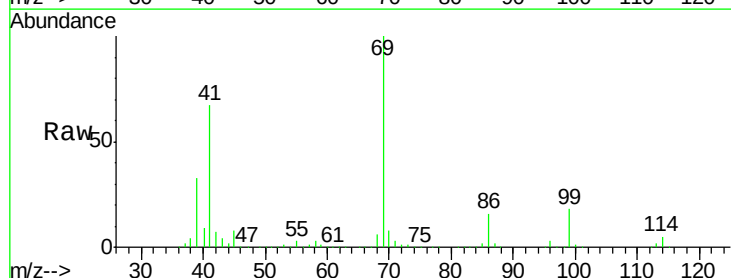
Manual Integrations
 APPROVED

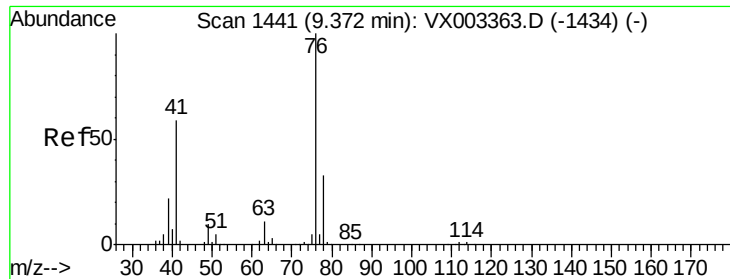
MMDadoda
 7/16/2018 11:24:41 AM



#56
 Ethyl methacrylate
 Concen: 43.75 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion:	69	Resp:	255707
Ion Ratio	Lower	Upper	
69	100		
41	65.8	60.3	90.5
39	33.2	35.8	53.8#





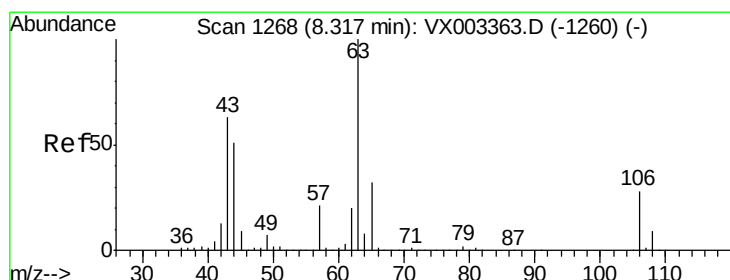
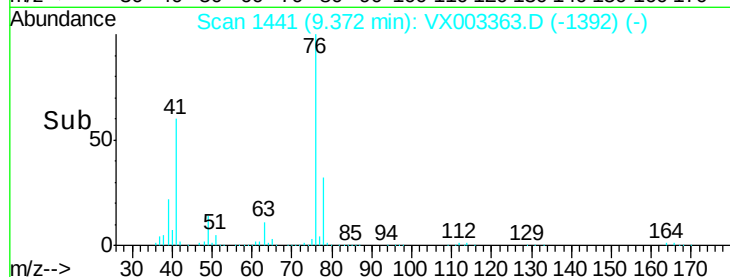
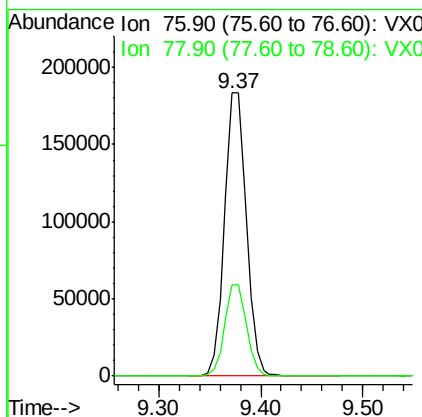
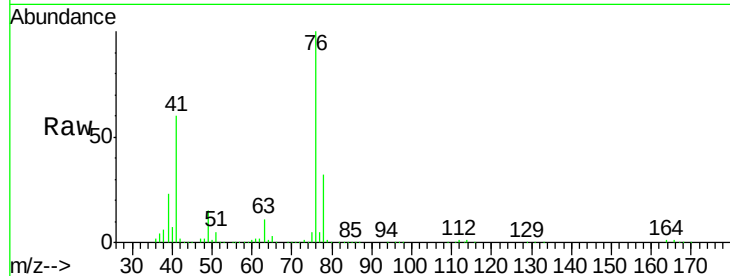
#57
 1,3-Dichloropropane
 Concen: 39.67 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

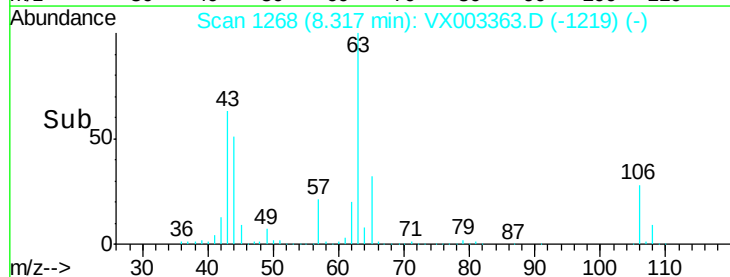
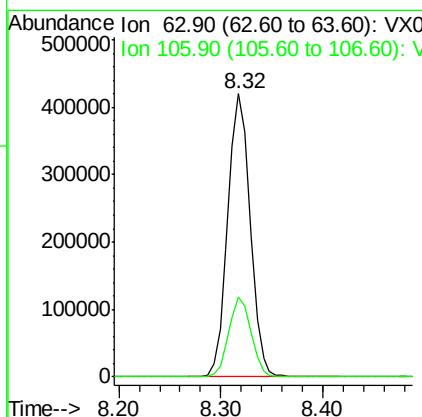
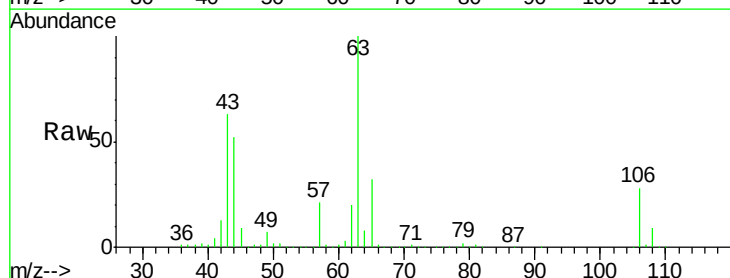
Manual Integrations
 APPROVED

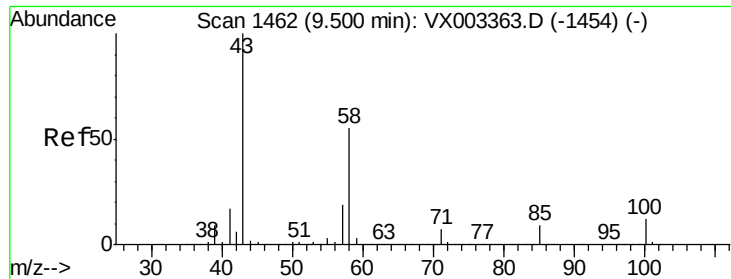
MMDadoda
 7/16/2018 11:24:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.35 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.8





#59

2-Hexanone

Concen: 199.85 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 893318

Ion Ratio Lower Upper

43 100

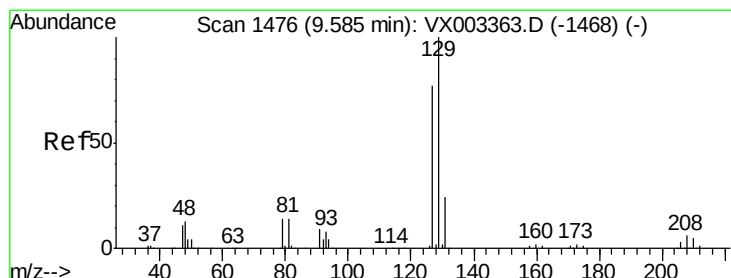
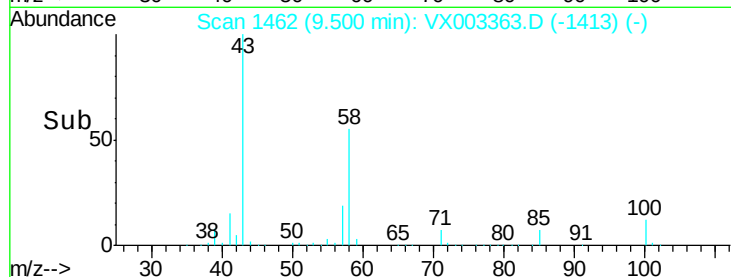
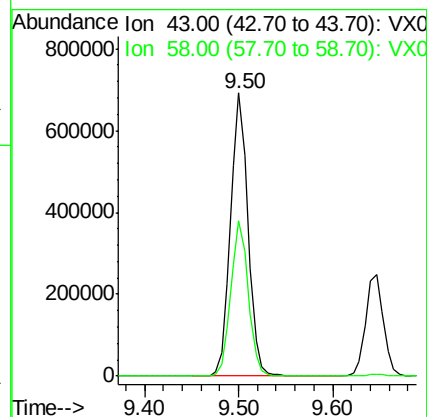
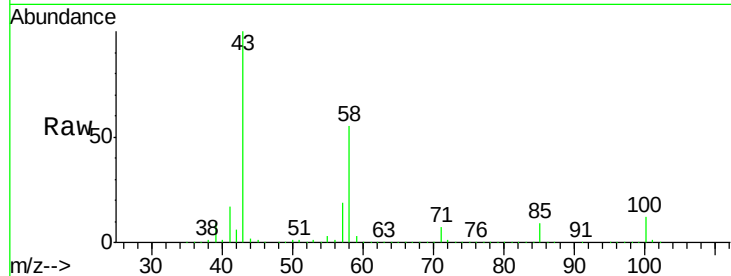
58 55.0 24.6 73.6

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



#60

Dibromochloromethane

Concen: 38.21 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003363.D

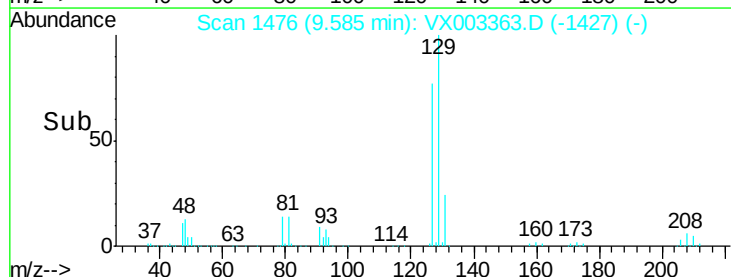
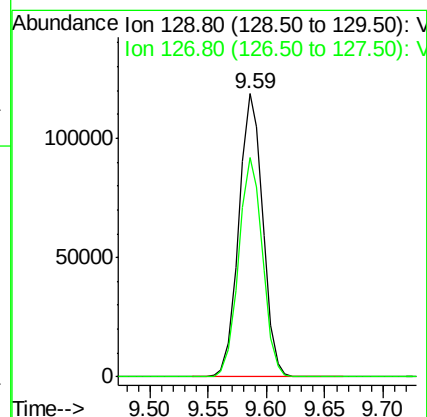
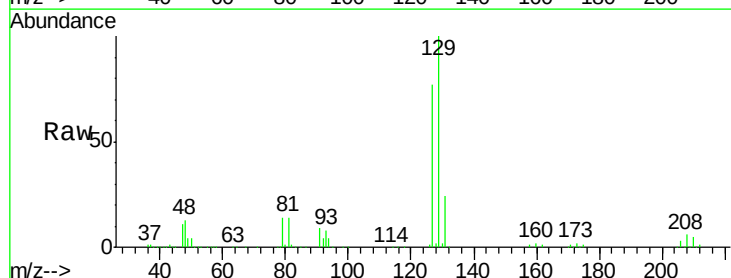
Acq: 13 Jul 2018 12:52

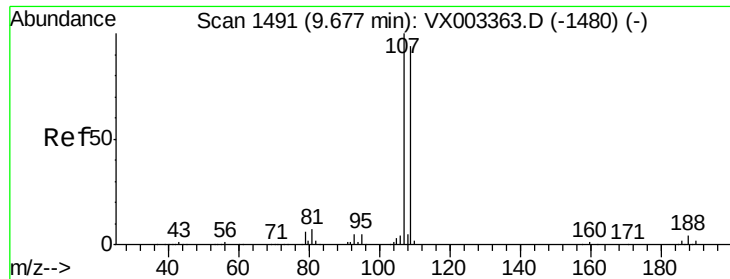
Tgt Ion: 129 Resp: 170242

Ion Ratio Lower Upper

129 100

127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 38.49 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 172135

Ion Ratio Lower Upper

107 100

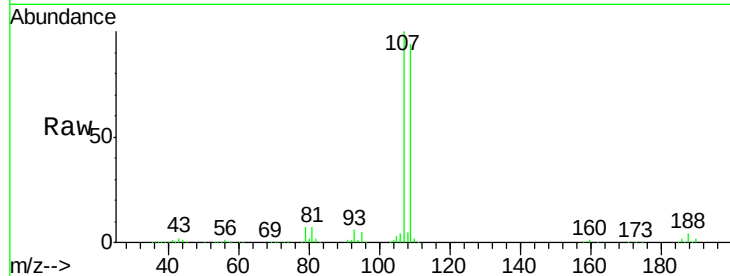
109 94.0 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

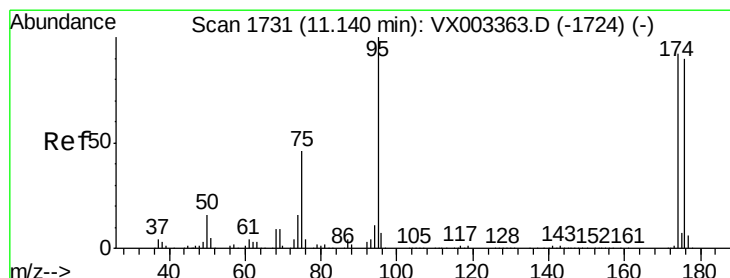
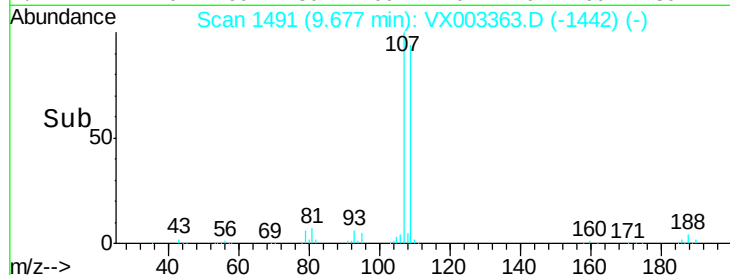
9.68

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 36.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

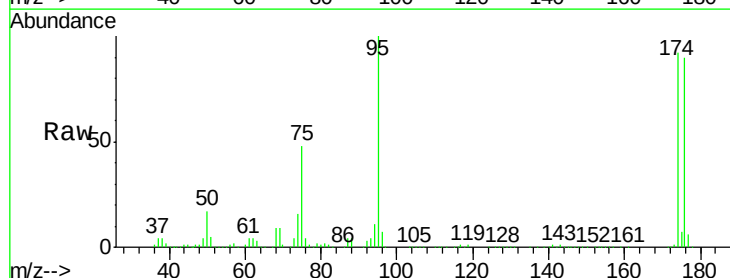
Tgt Ion: 95 Resp: 202172

Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.4

176 91.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

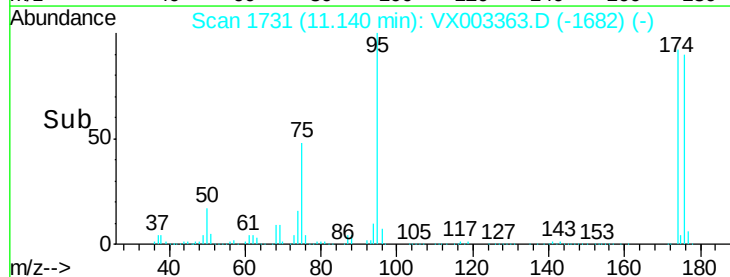
150000

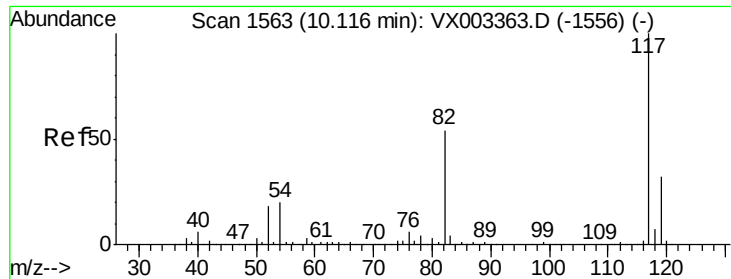
100000

50000

0

Time-->





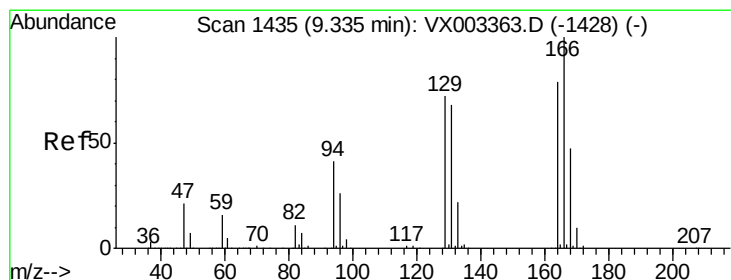
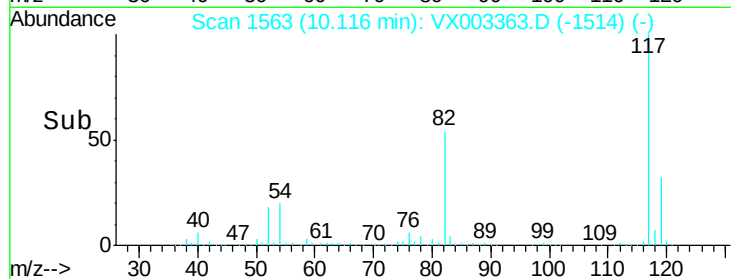
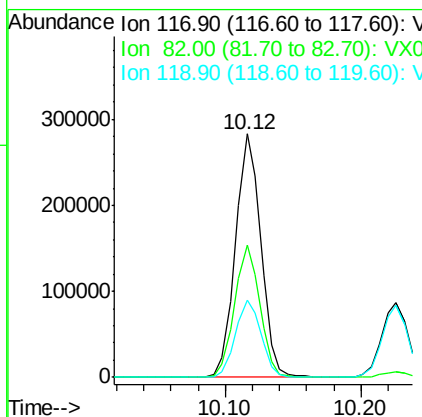
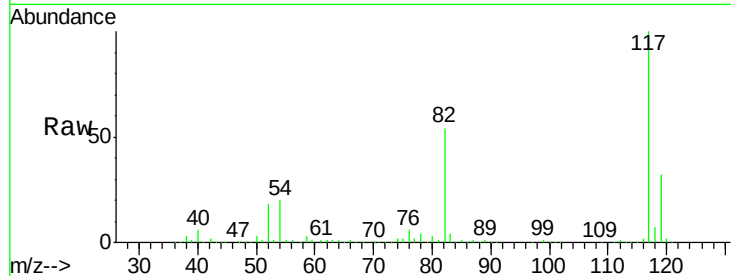
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.4
119	31.8	25.8	38.6

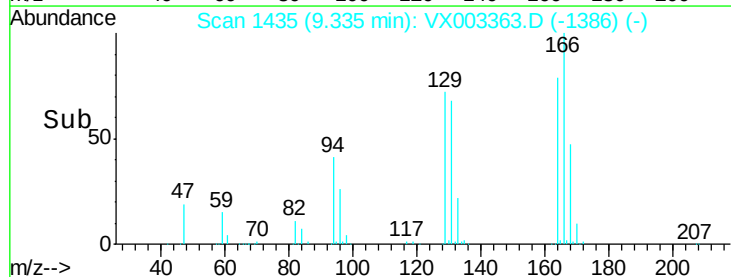
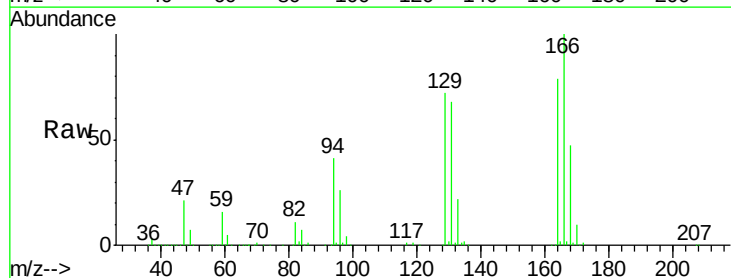
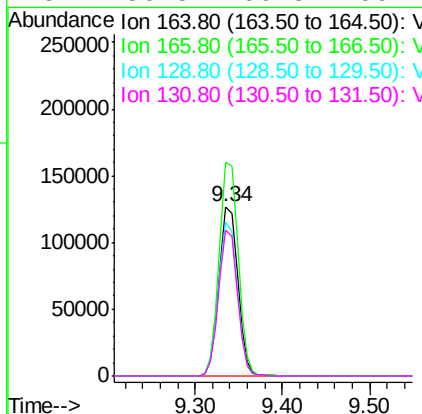
Manual Integrations
APPROVED

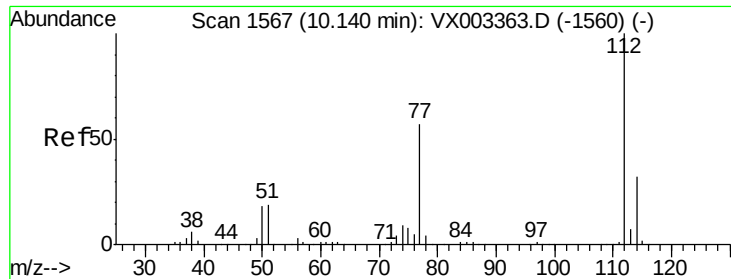
MMDadoda
7/16/2018 11:24:41 AM



#64
Tetrachloroethene
Concen: 33.96 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.9	154.3
129	90.6	68.6	102.8
131	86.3	66.8	100.2





#65

Chlorobenzene

Concen: 36.47 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 456153

Ion Ratio Lower Upper

112 100

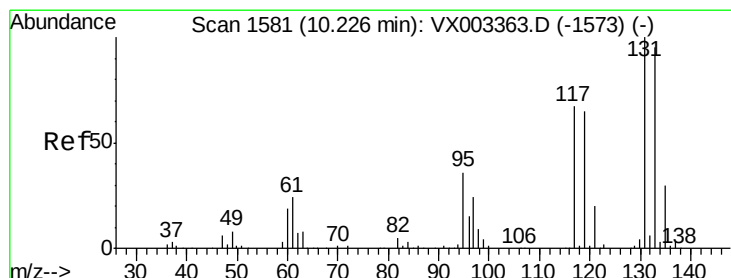
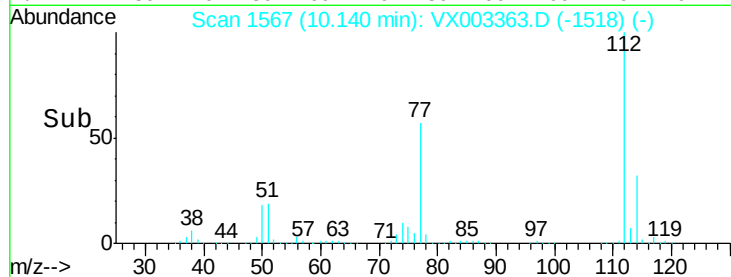
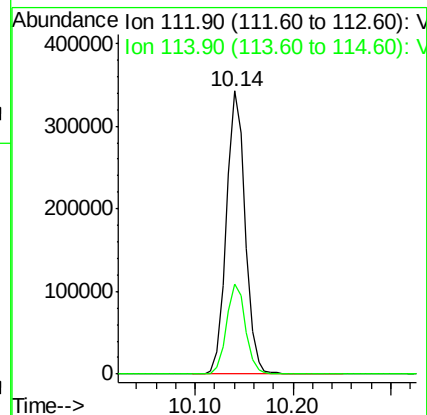
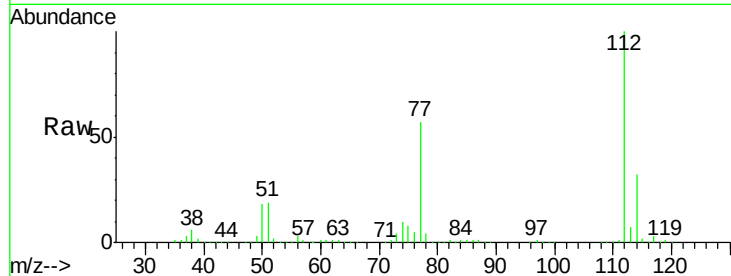
114 32.0 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 37.86 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

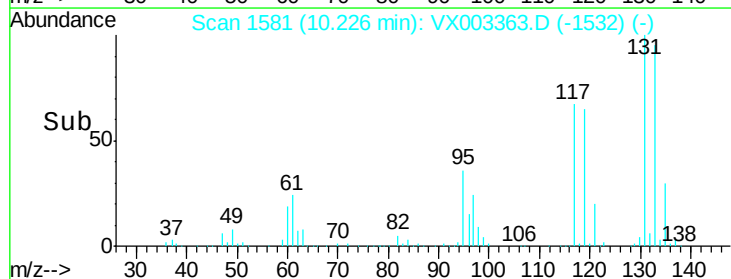
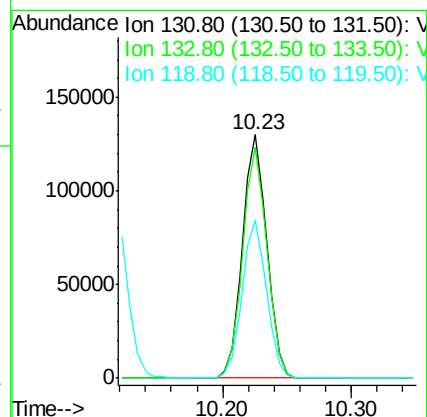
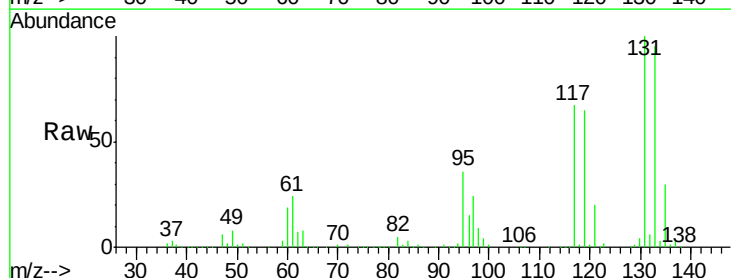
Tgt Ion:131 Resp: 170855

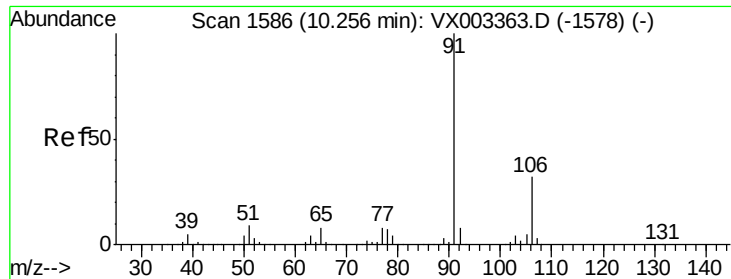
Ion Ratio Lower Upper

131 100

133 94.6 47.9 143.6

119 64.7 31.8 95.3





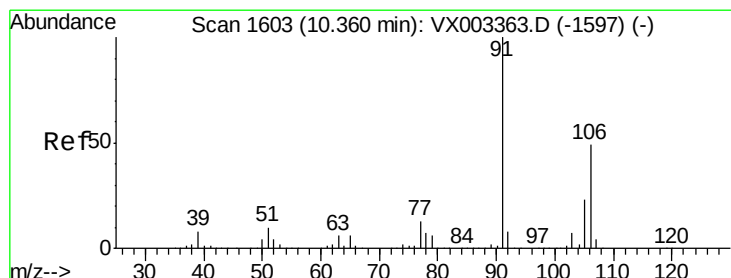
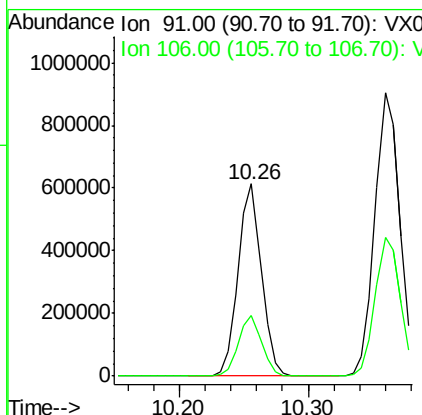
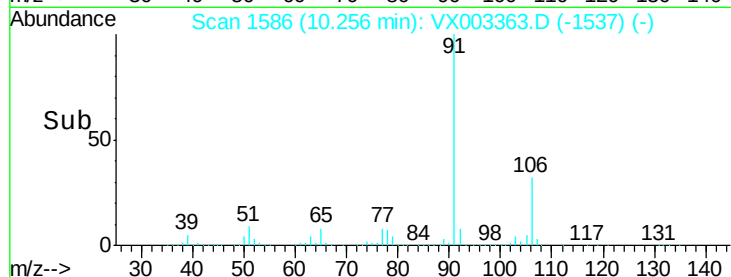
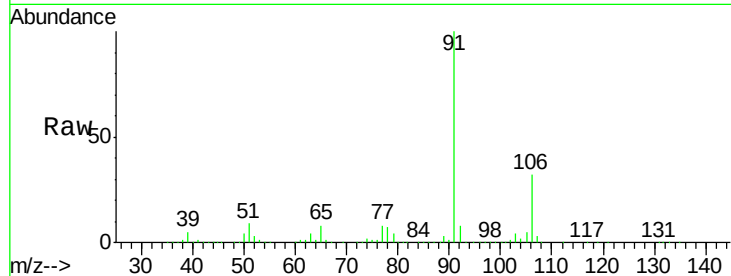
#67
Ethyl Benzene
Concen: 38.38 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 776249
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

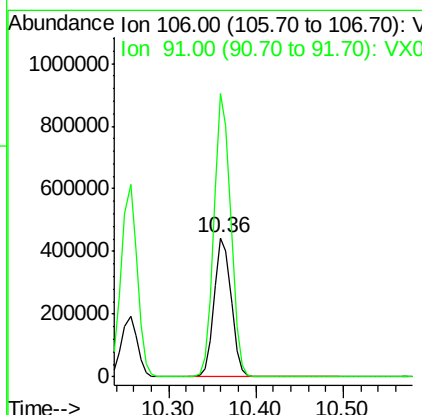
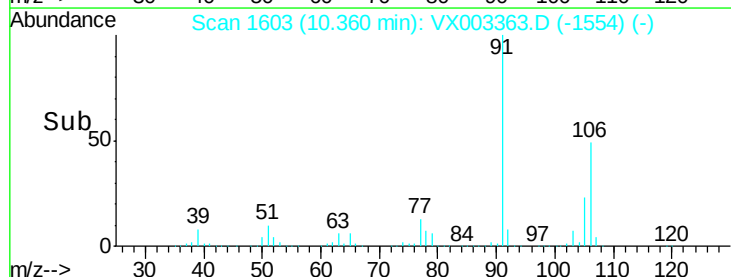
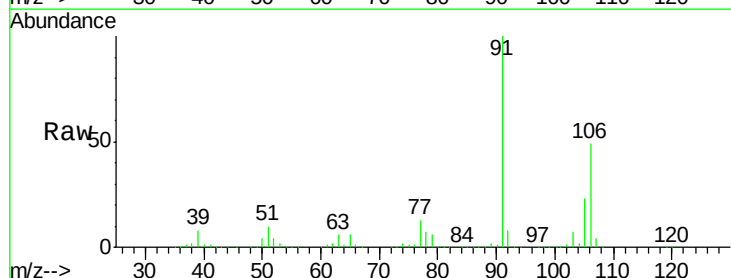
Manual Integrations
APPROVED

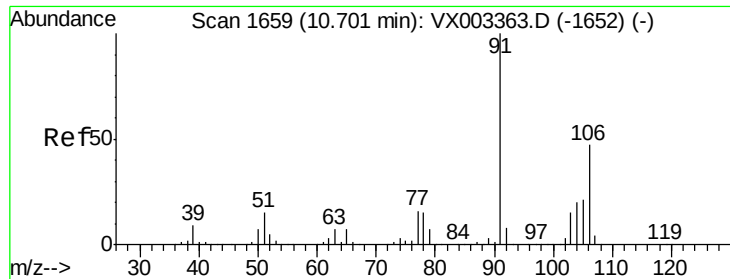
MMDadoda
7/16/2018 11:24:41 AM



#68
m/p-Xylenes
Concen: 76.01 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion: 106 Resp: 598102
Ion Ratio Lower Upper
106 100
91 201.2 163.4 245.2





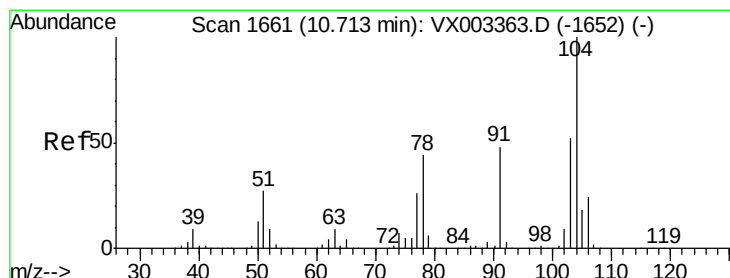
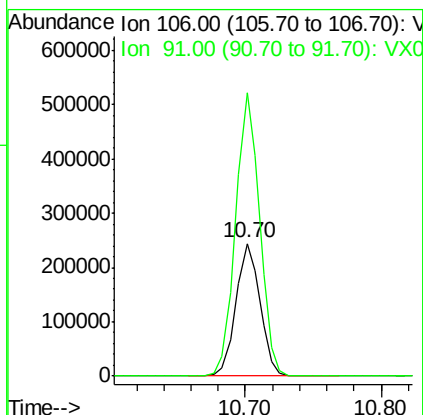
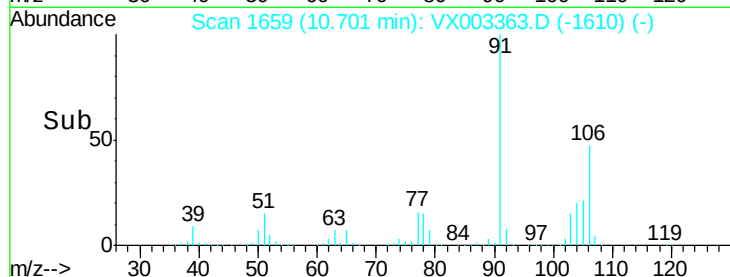
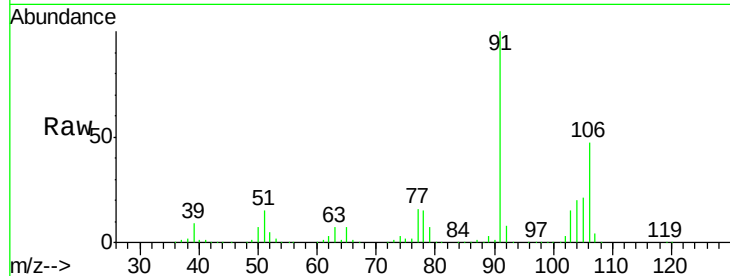
#69
o-Xylene
Concen: 39.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 301044
Ion Ratio Lower Upper
106 100
91 212.5 108.2 324.6

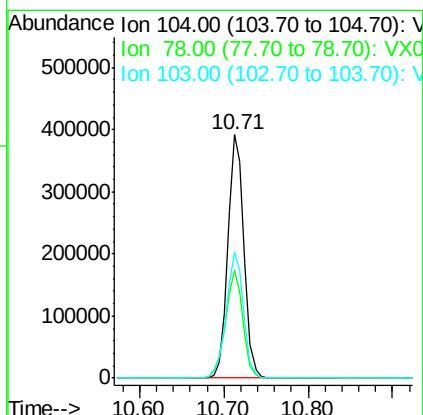
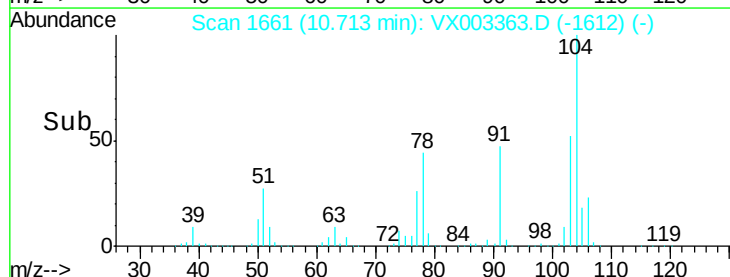
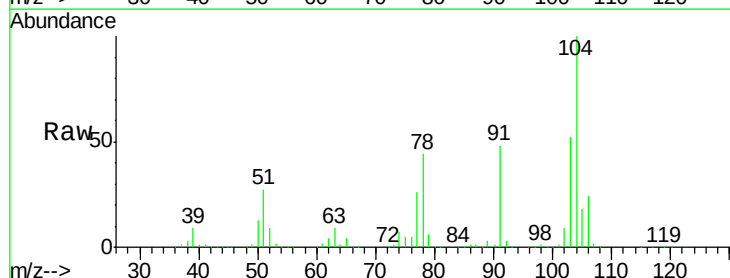
Manual Integrations
APPROVED

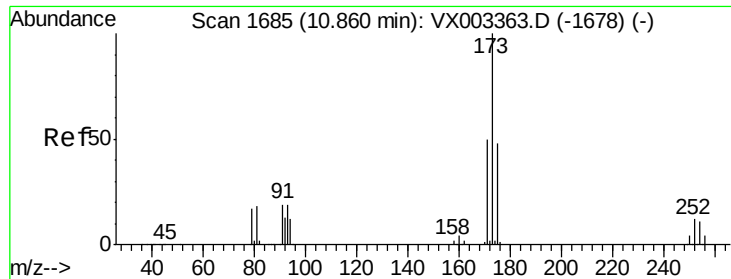
MMDadoda
7/16/2018 11:24:41 AM



#70
Styrene
Concen: 41.69 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion:104 Resp: 515317
Ion Ratio Lower Upper
104 100
78 47.6 41.0 61.6
103 55.5 44.2 66.4





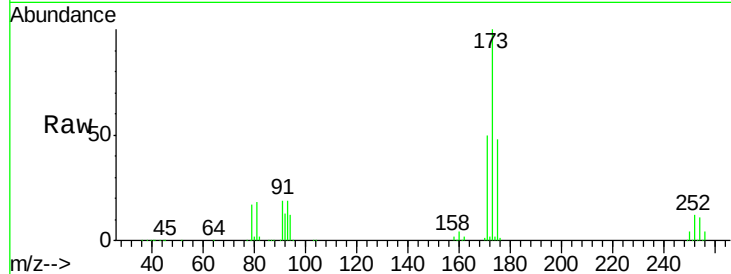
#71
Bromoform
Concen: 37.03 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

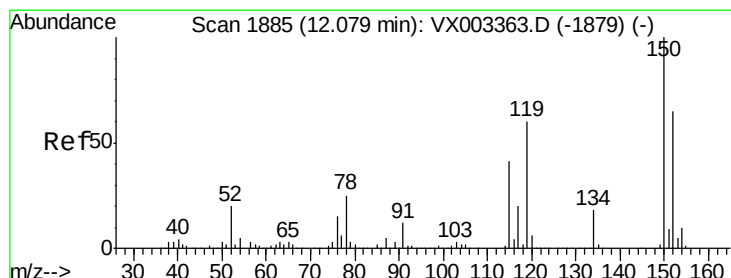
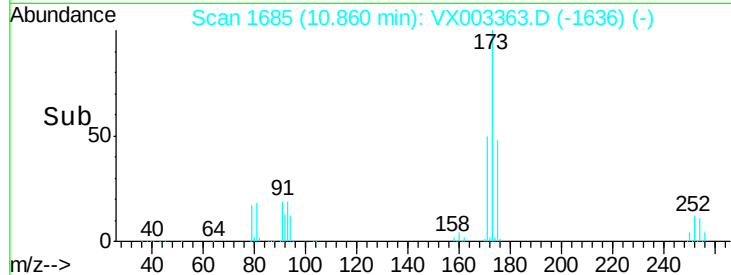
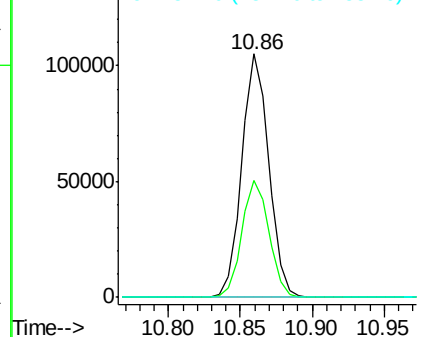
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM

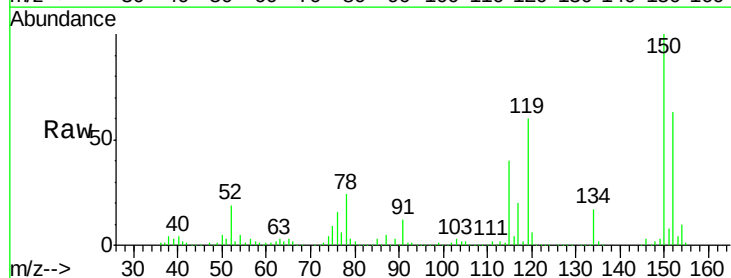


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

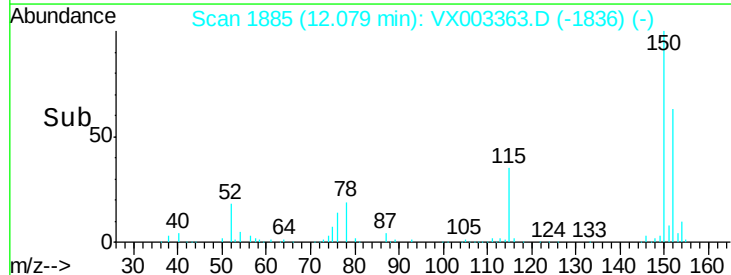
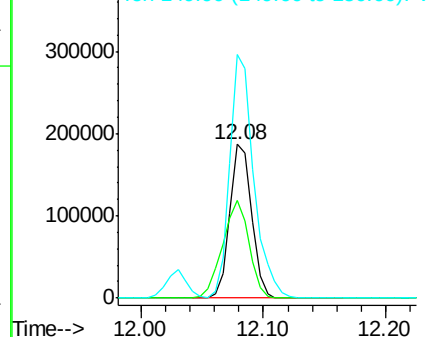


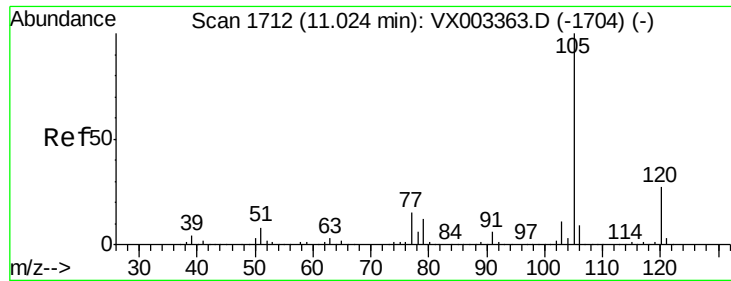
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.3	40.1	120.2
150	173.7	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: 44.16 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 803718

Ion Ratio Lower Upper

105 100

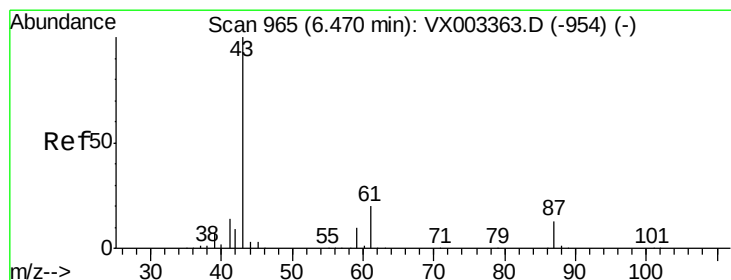
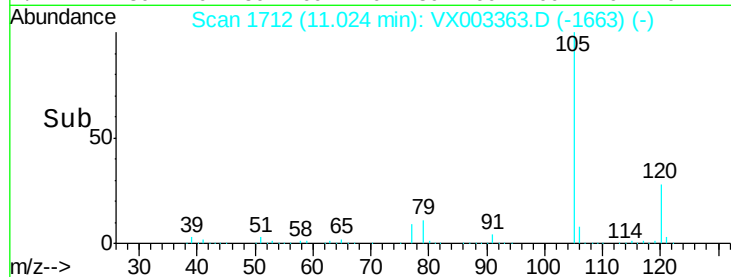
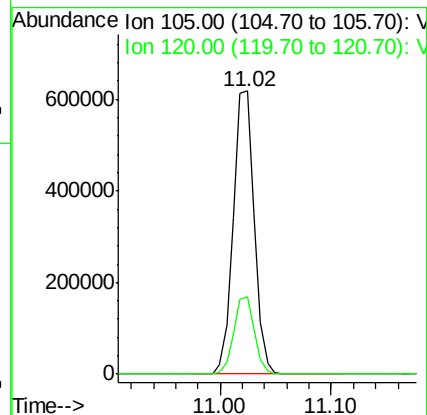
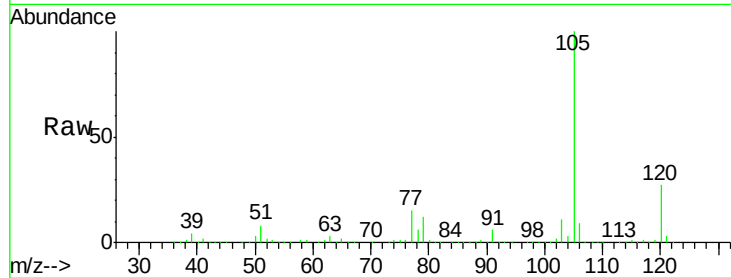
120 27.0 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



#74

N-ethyl acetate

Concen: 40.57 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion: 43 Resp: 352172

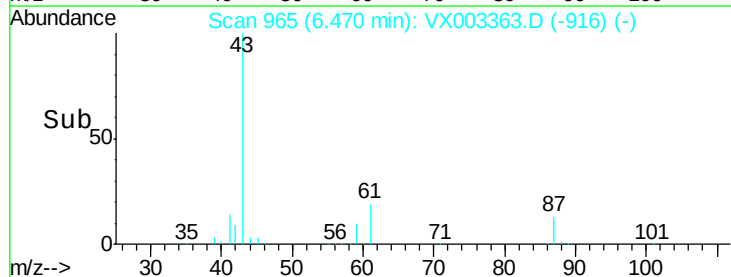
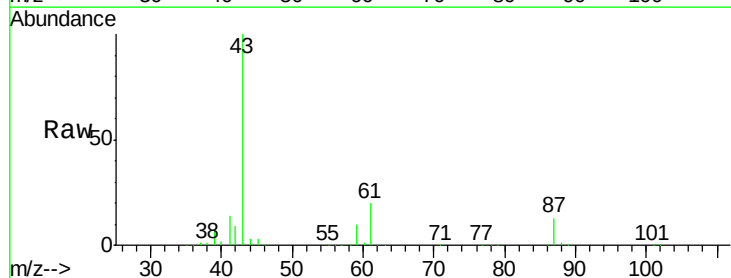
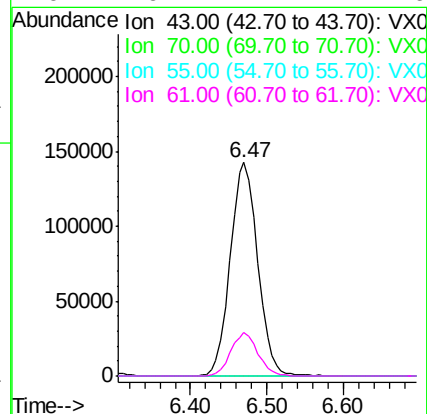
Ion Ratio Lower Upper

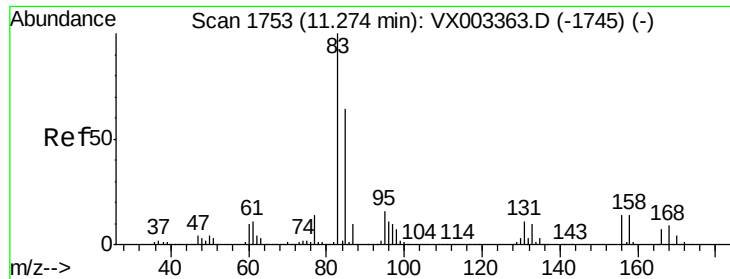
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.81 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

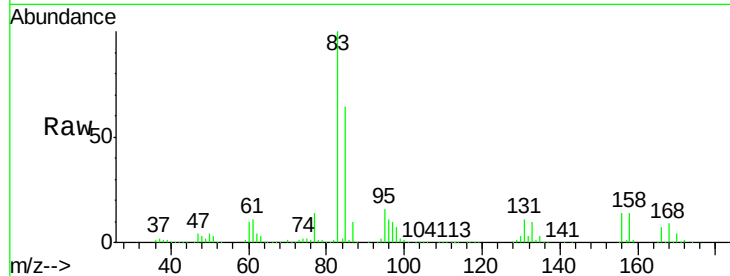
ClientSampleId :

VSTDICCC050

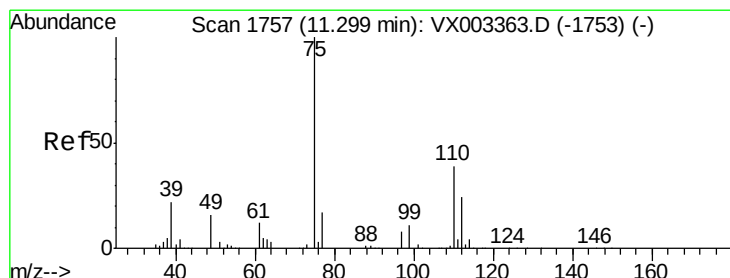
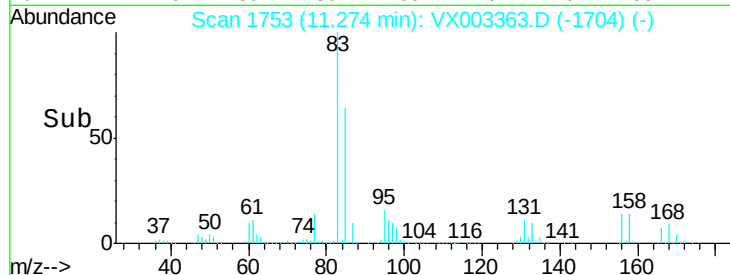
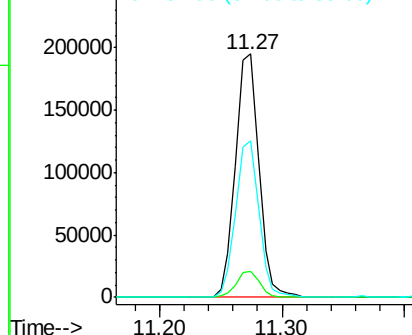
Tot Ion:	83	Resp:	258588
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.6	16.8
85	64.0	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.63 ug/l m

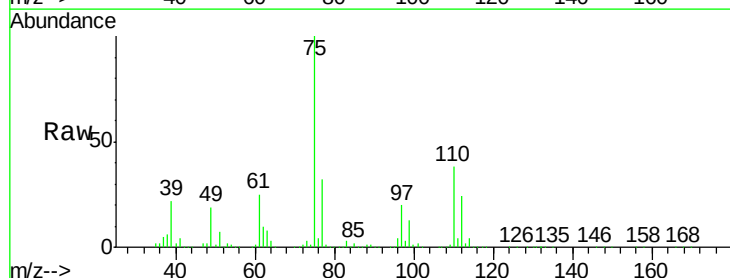
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

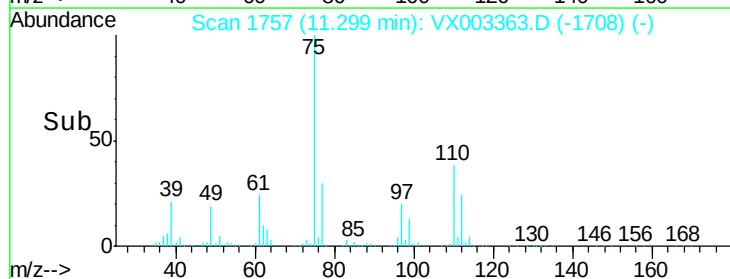
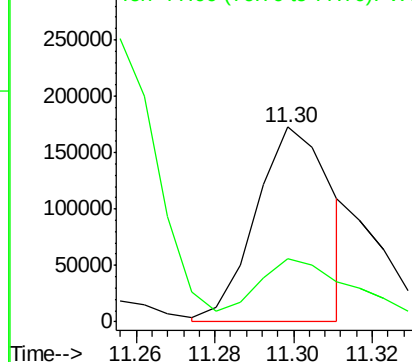
Lab File: VX003363.D

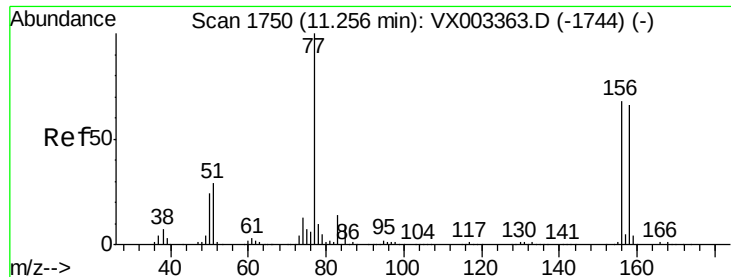
Acq: 13 Jul 2018 12:52

Tgt Ion:	75	Resp:	227278
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 42.54 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

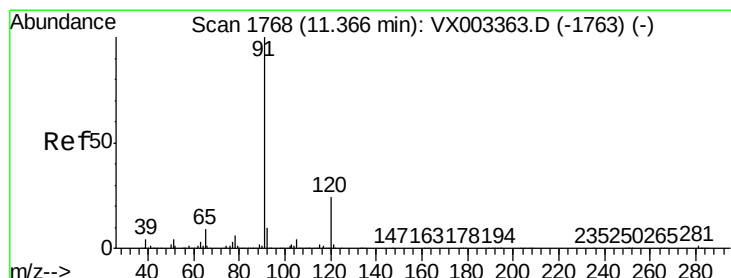
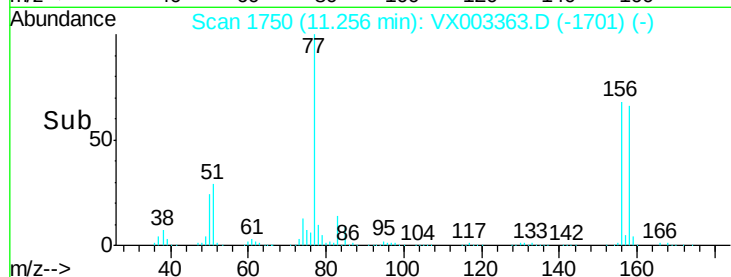
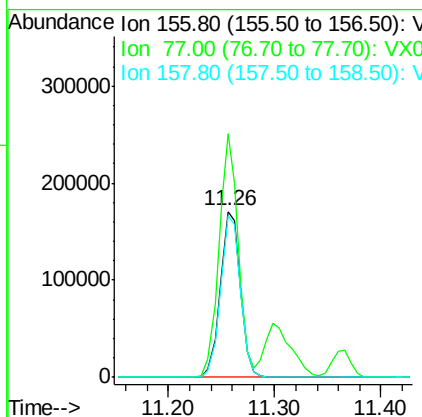
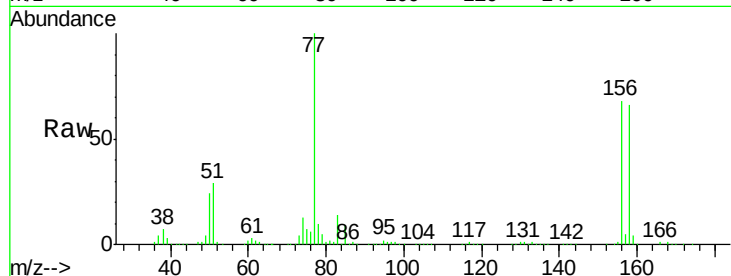
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	223525
Ion Ratio	Lower	Upper	
156	100		
77	140.1	71.4	214.2
158	97.1	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#78

n-propylbenzene

Concen: 45.60 ug/l

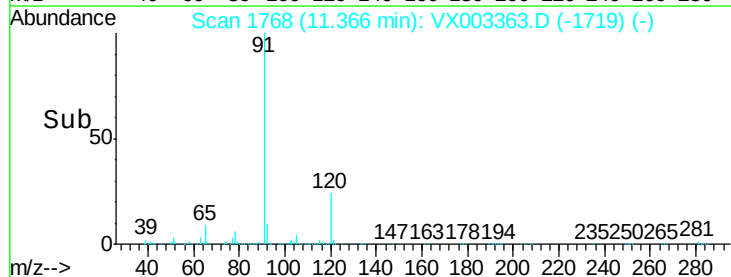
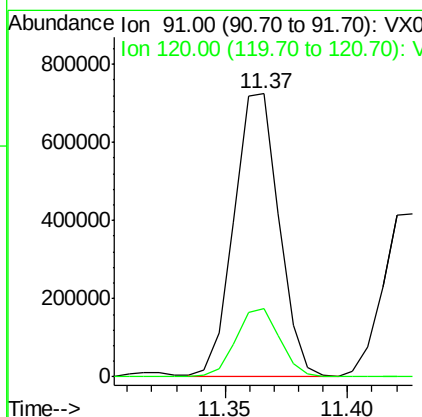
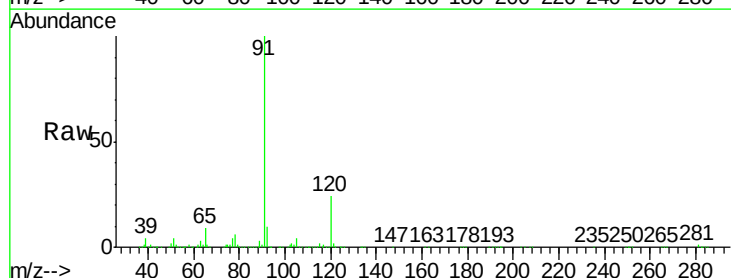
RT: 11.37 min Scan# 1768

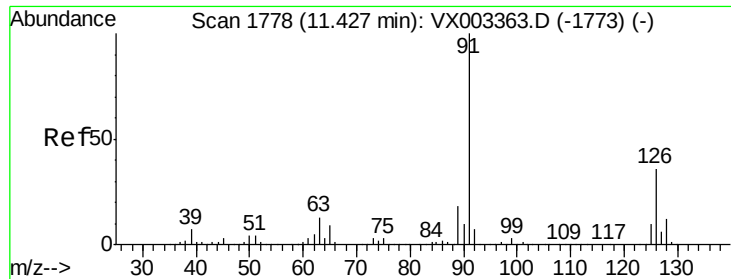
Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	91	Resp:	922698
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 44.33 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 546472

Ion Ratio Lower Upper

91 100

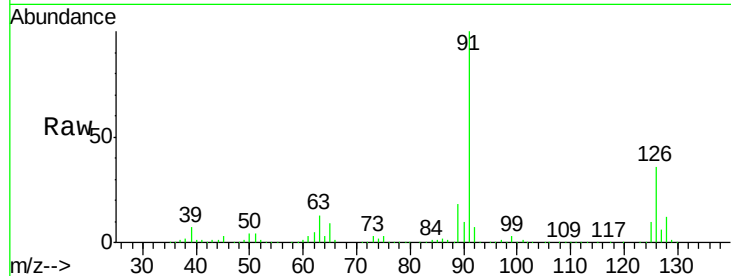
126 35.3 17.7 53.1

Manual Integrations

APPROVED

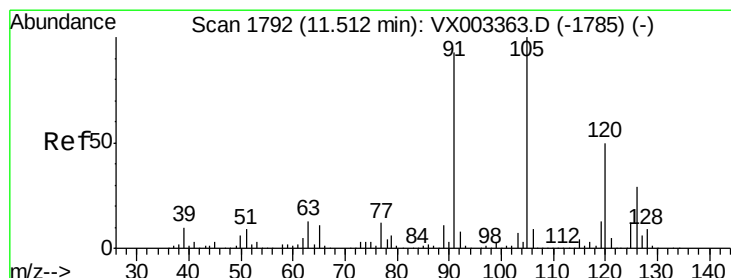
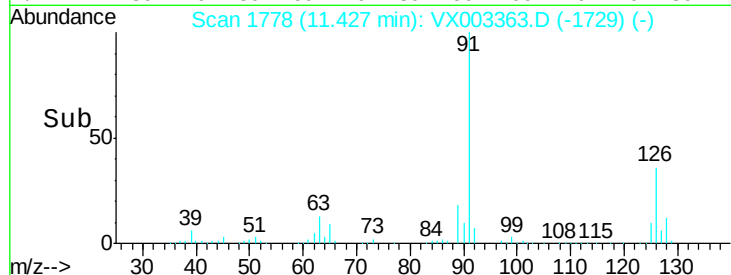
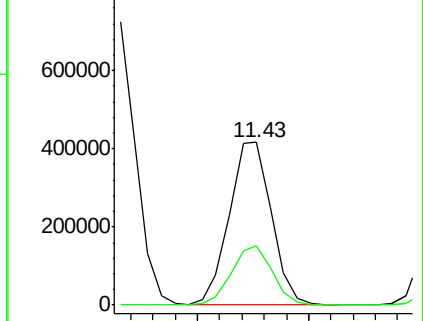
MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003363.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003363.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.00 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003363.D

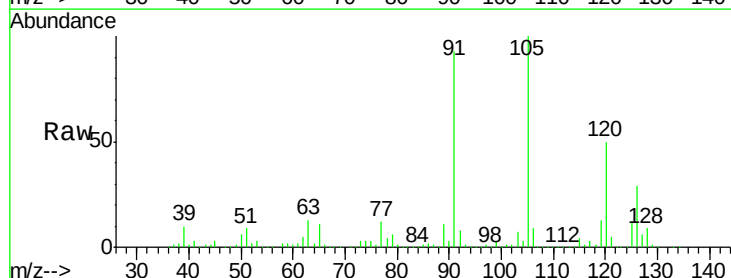
Acq: 13 Jul 2018 12:52

Tgt Ion: 105 Resp: 681886

Ion Ratio Lower Upper

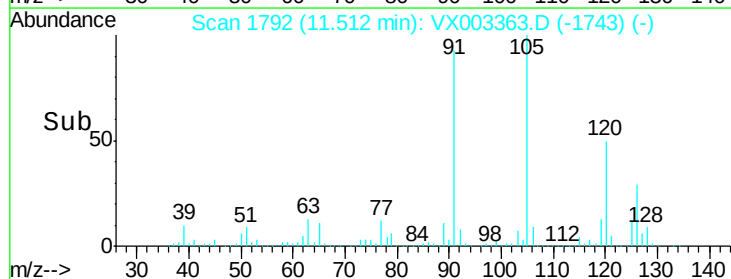
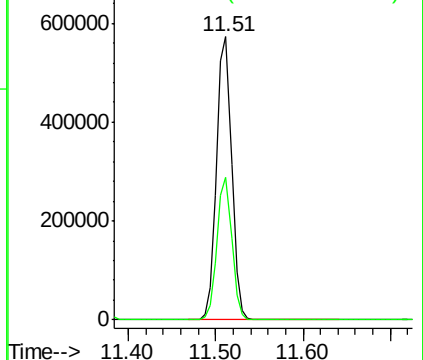
105 100

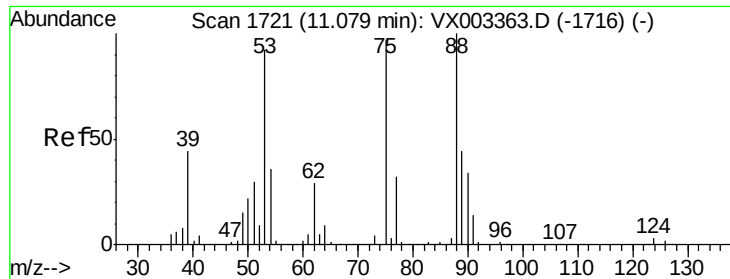
120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003363.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003363.D (-1785) (-)





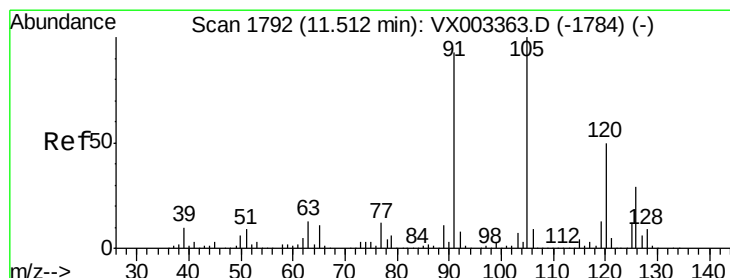
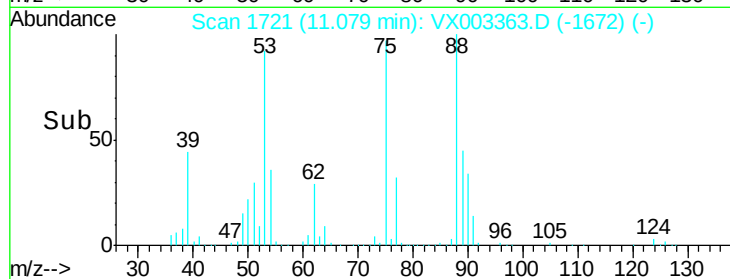
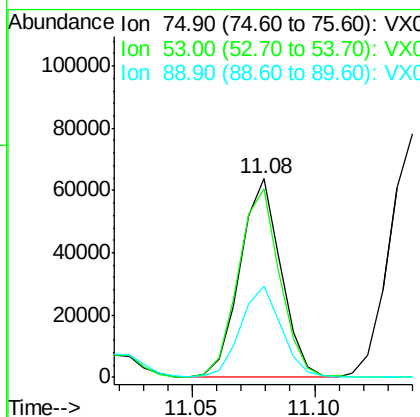
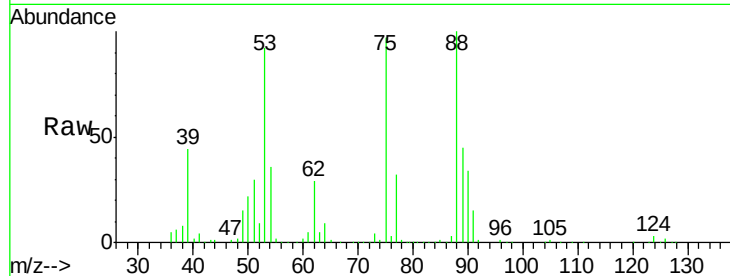
#81
trans-1,4-Dichloro-2-butene
Concen: 48.59 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	86.8	130.2
89	46.1	38.2	57.2

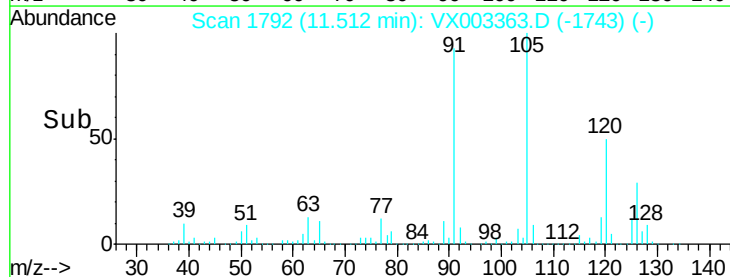
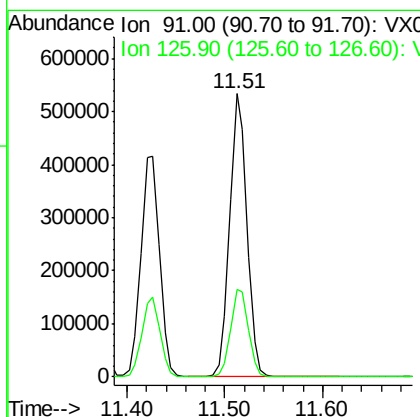
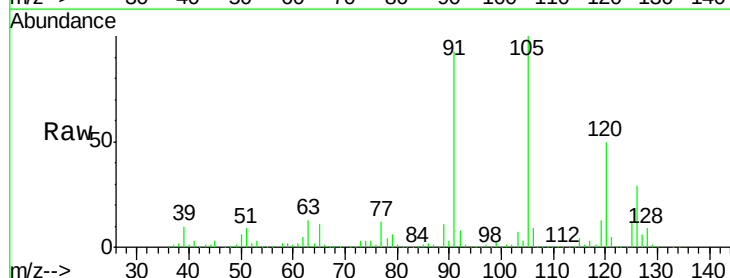
Manual Integrations
APPROVED

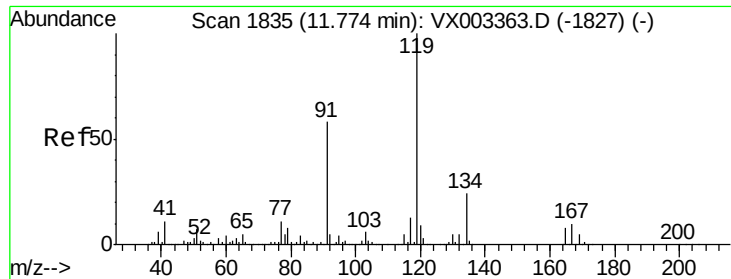
MMDadoda
7/16/2018 11:24:41 AM



#82
4-Chlorotoluene
Concen: 45.41 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.4	46.4





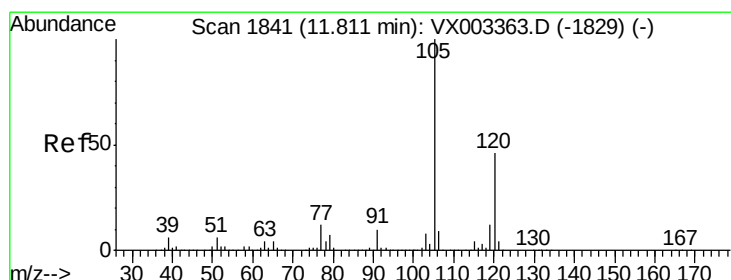
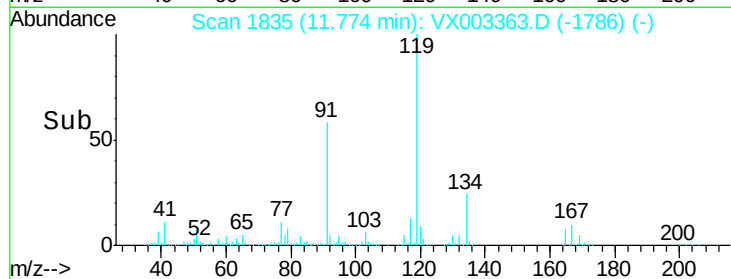
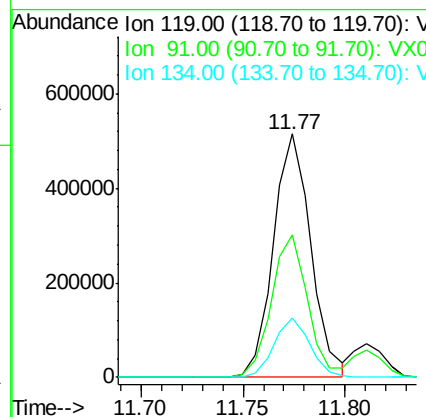
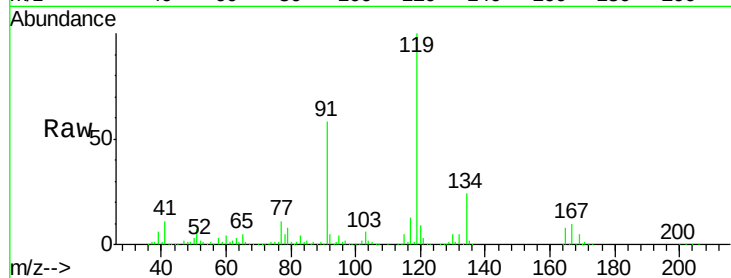
#83
 tert-Butylbenzene
 Concen: 43.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	659164		
91	56.6	30.3	90.9	
134	23.4	11.7	35.1	

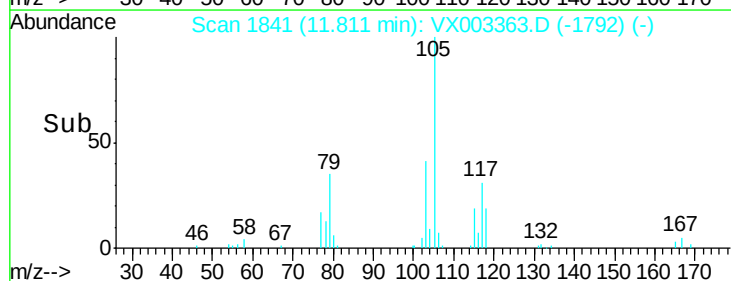
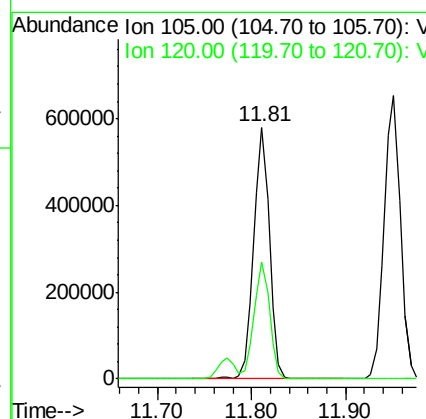
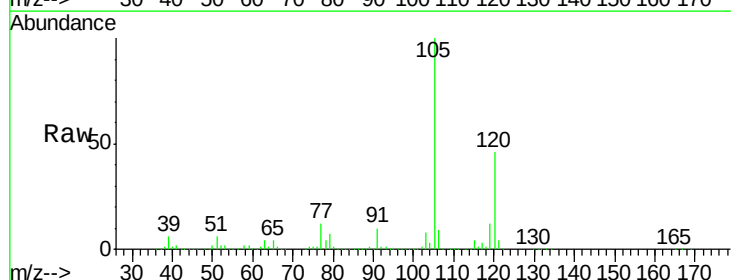
Manual Integrations
 APPROVED

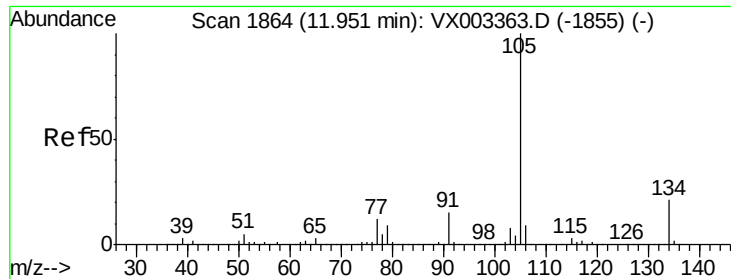
MMDadoda
 7/16/2018 11:24:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 43.99 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	682679		
120	46.2	22.3	66.8	





#85

sec-Butylbenzene

Concen: 43.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 786124

Ion Ratio Lower Upper

105 100

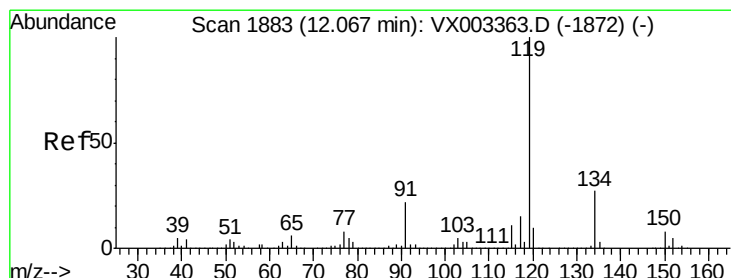
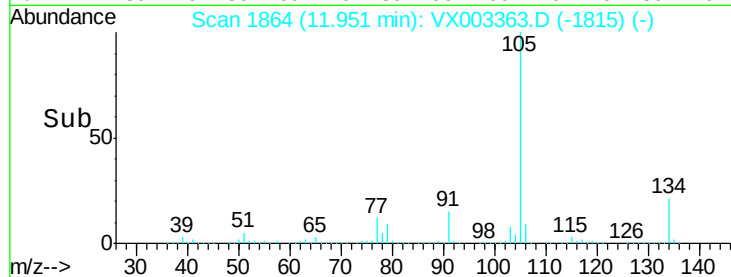
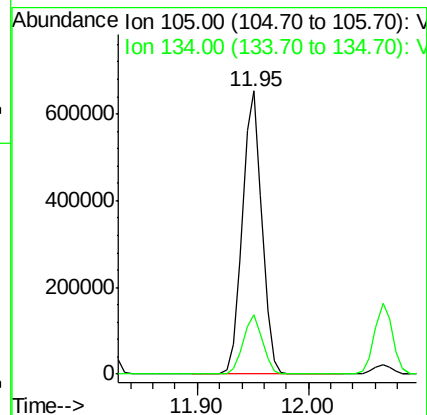
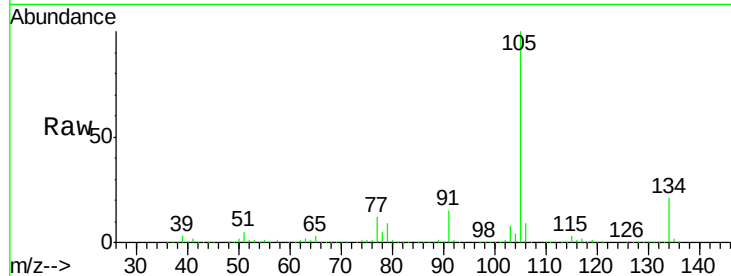
134 20.8 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:24:41 AM



#86

p-Isopropyltoluene

Concen: 43.12 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

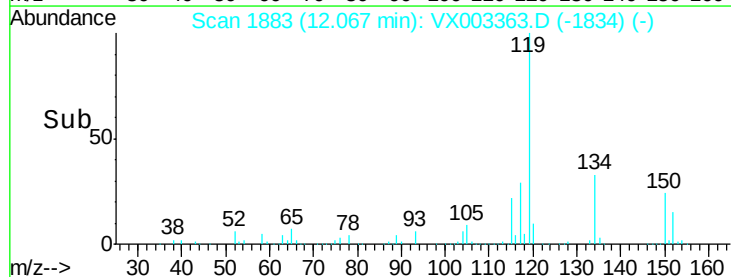
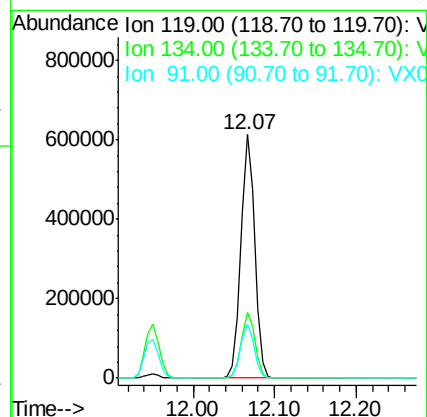
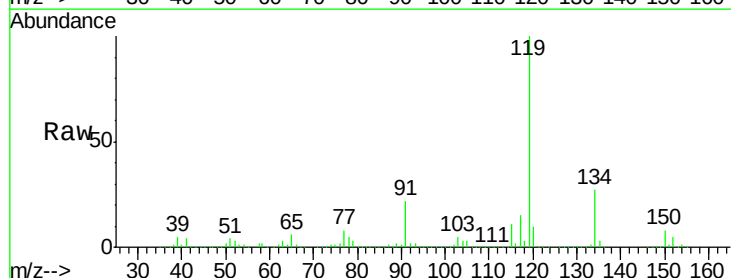
Tgt Ion:119 Resp: 702850

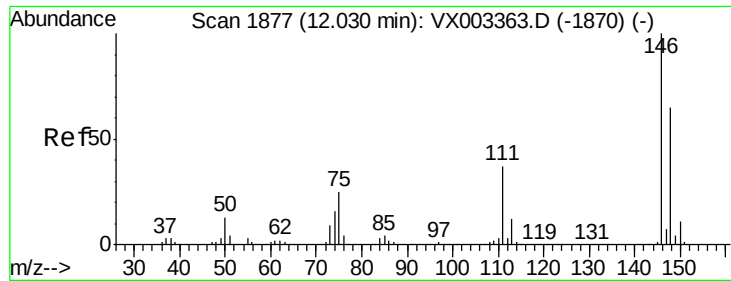
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.2 11.9 35.7





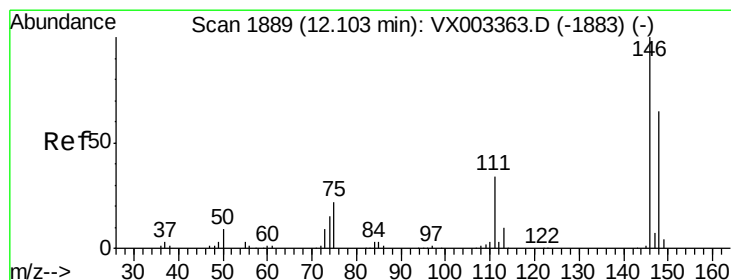
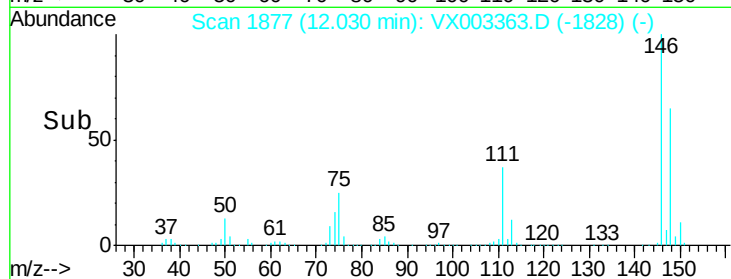
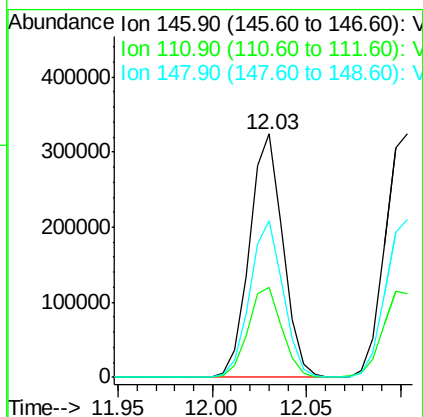
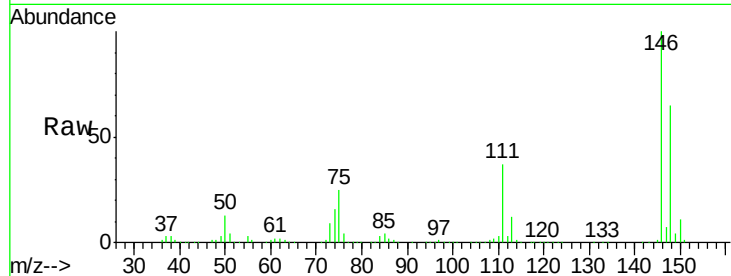
#87
 1,3-Dichlorobenzene
 Concen: 41.30 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	63.8	32.1	96.3

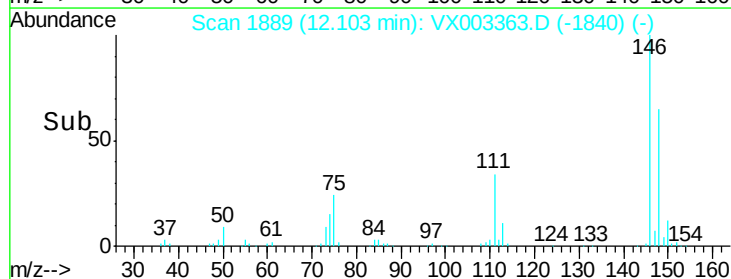
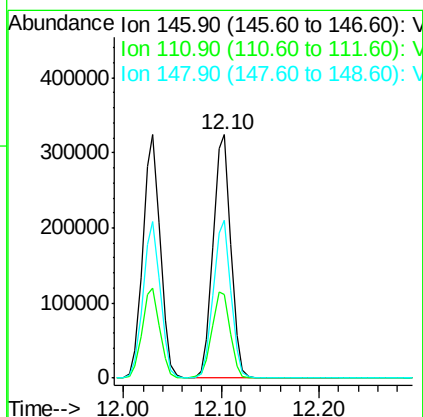
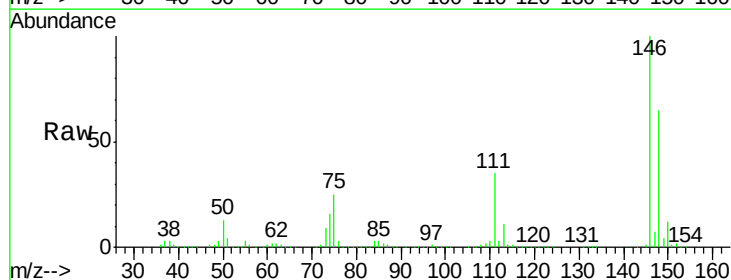
Manual Integrations
 APPROVED

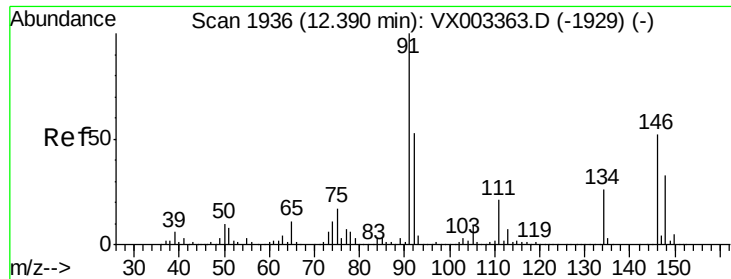
MMDadoda
 7/16/2018 11:24:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 41.79 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.2	32.4	97.0





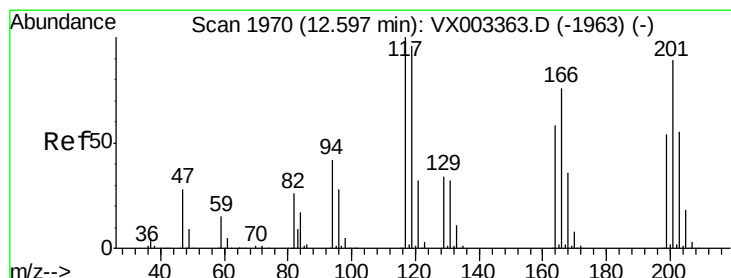
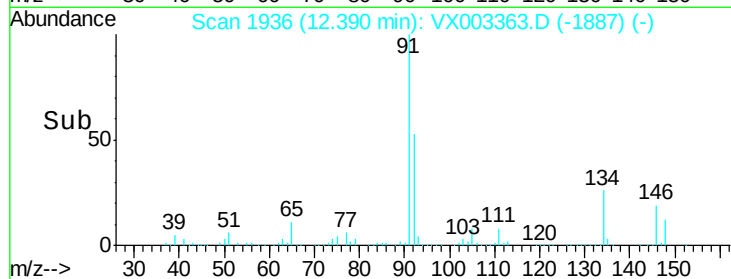
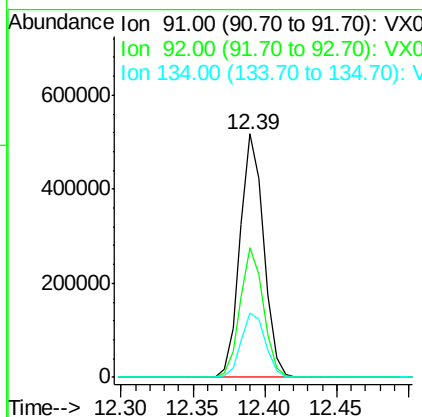
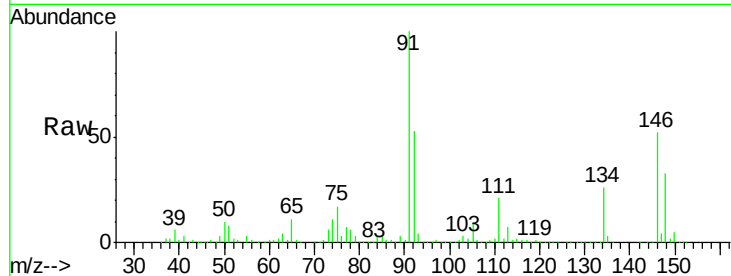
#89
n-Butylbenzene
Concen: 43.33 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	27.0	13.5	40.5

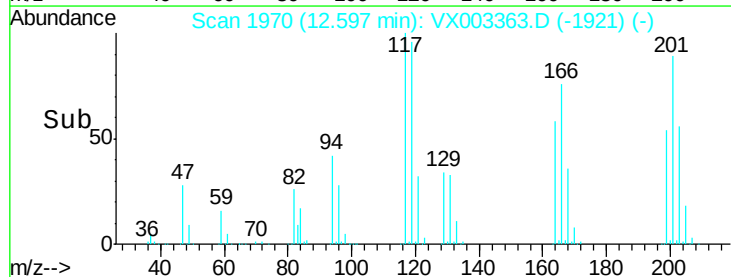
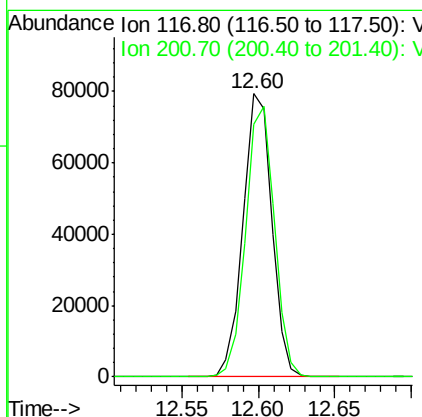
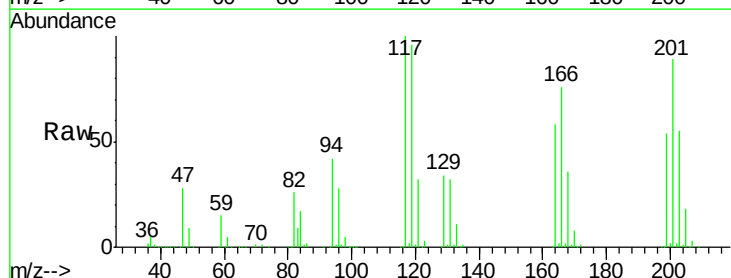
Manual Integrations
APPROVED

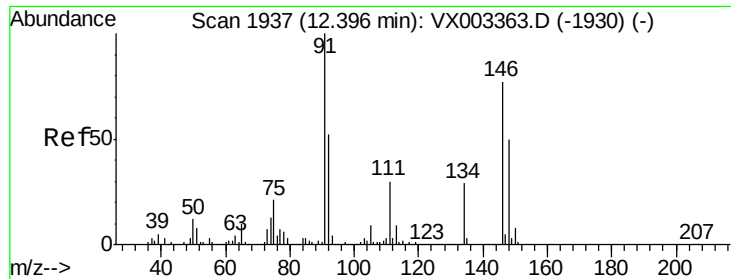
MMDadoda
7/16/2018 11:24:41 AM



#90
Hexachloroethane
Concen: 41.72 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	49.0	147.0





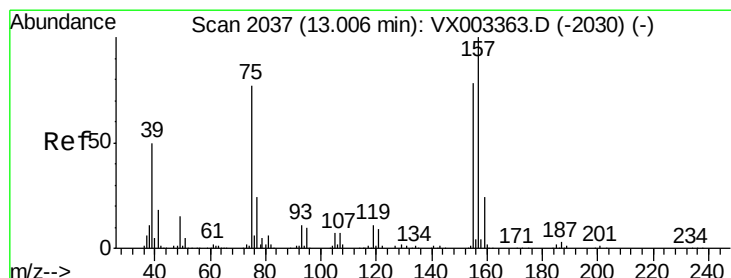
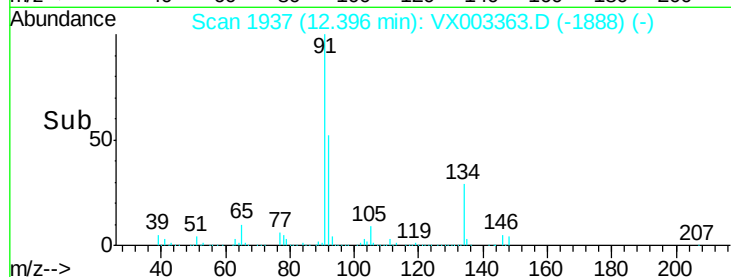
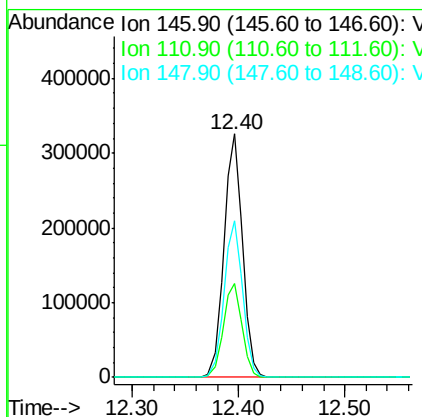
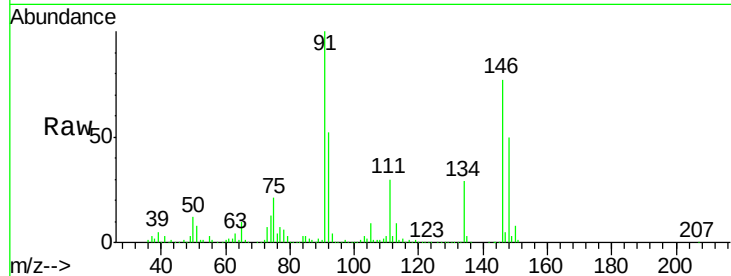
#91
1,2-Dichlorobenzene
Concen: 40.93 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.3	31.7	95.1

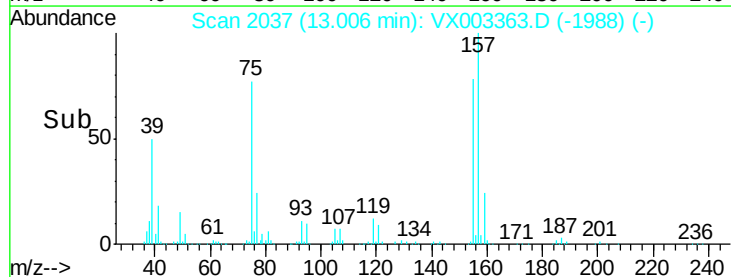
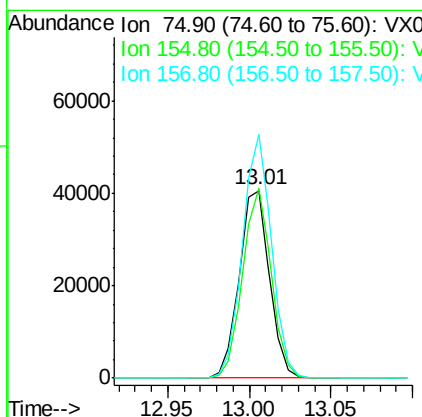
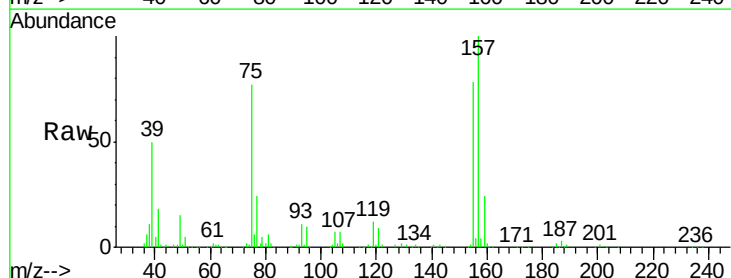
Manual Integrations
APPROVED

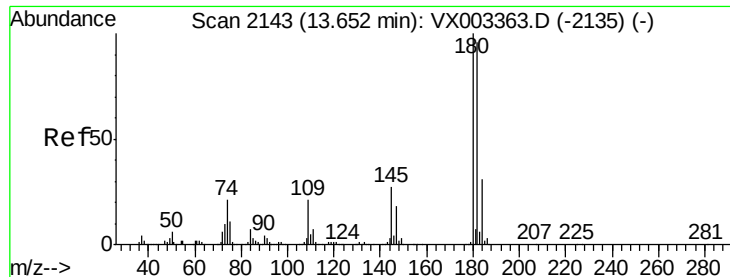
MMDadoda
7/16/2018 11:24:41 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 43.29 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VX003363.D
Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	45.8	137.4
157	124.5	60.1	180.3





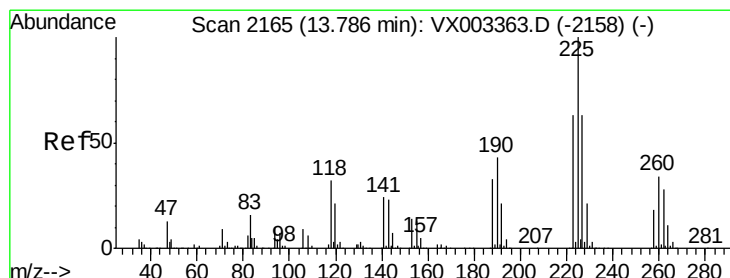
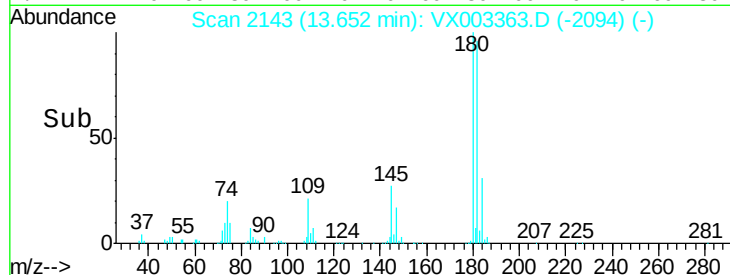
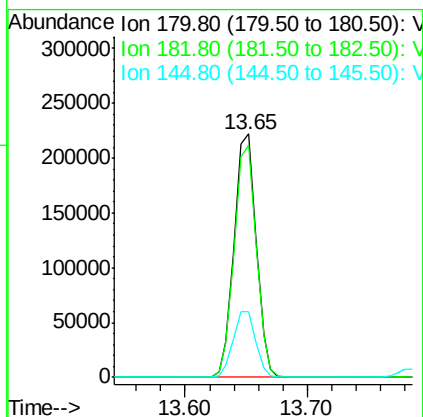
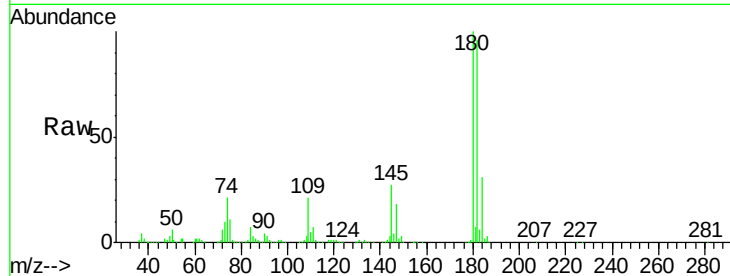
#93
 1,2,4-Trichlorobenzene
 Concen: 39.15 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	275759		
182	95.3	47.7	143.1	
145	27.8	14.1	42.4	

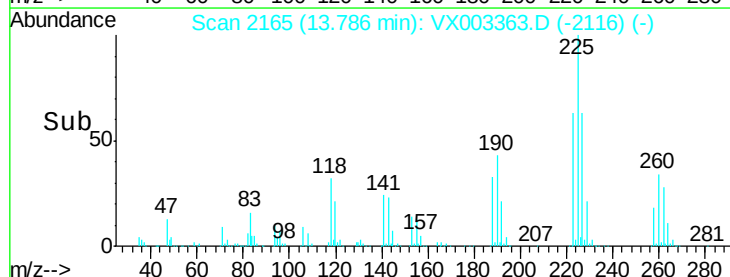
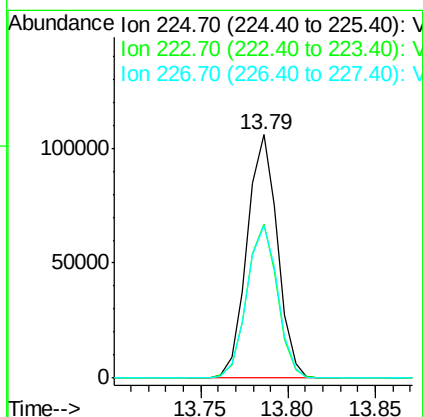
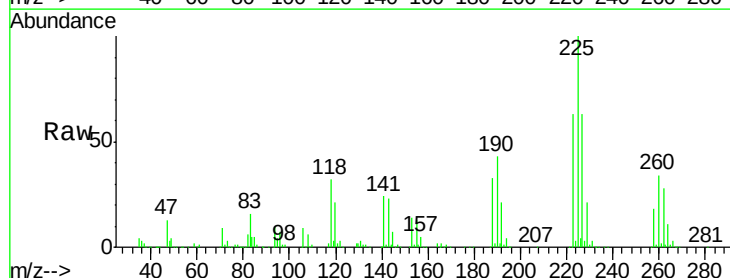
Manual Integrations
 APPROVED

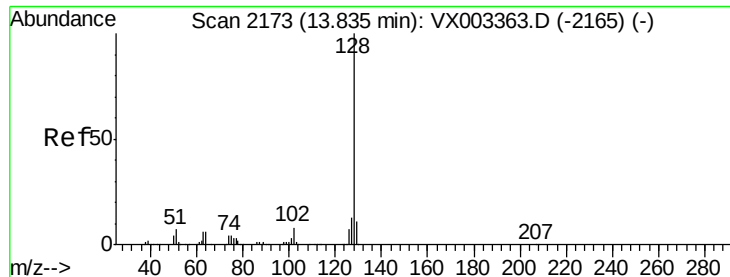
MMDadoda
 7/16/2018 11:24:41 AM



#94
 Hexachlorobutadiene
 Concen: 36.38 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003363.D
 Acq: 13 Jul 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127562		
223	63.2	31.6	95.0	
227	63.8	32.4	97.2	





#95

Naphthalene

Concen: 45.07 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Instrument :

MSVOA_X

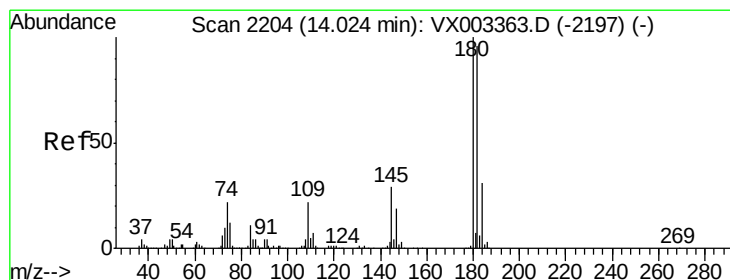
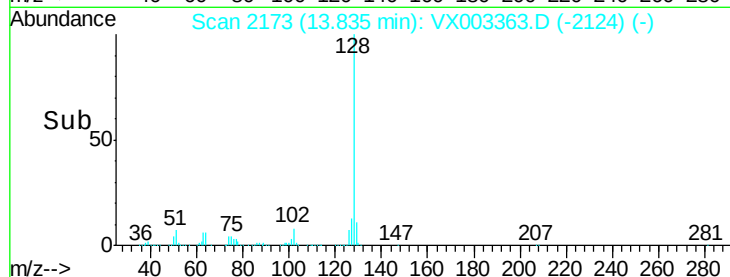
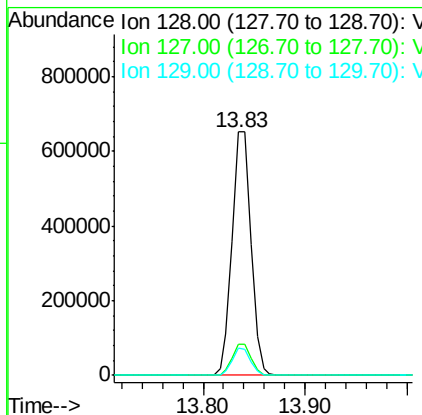
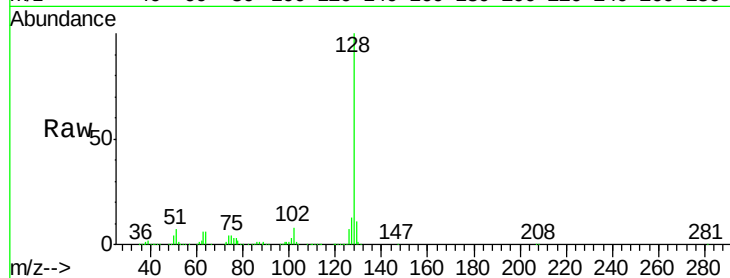
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	830559
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 40.06 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003363.D

Acq: 13 Jul 2018 12:52

Tgt Ion:	180	Resp:	281429
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	29.9	14.8	44.3

