

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002158.D
 Acq On : 31 May 2018 01:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:48 PM

Quant Time: May 31 06:44:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	258216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	143367	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	108568	42.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.10%	
50) Toluene-d8	8.72	98	394893	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
62) 4-Bromofluorobenzene	11.14	95	157259	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85914	39.74	ug/l	100
3) Chloromethane	1.32	50	129021	49.05	ug/l	100
4) Vinyl Chloride	1.40	62	127748	50.30	ug/l	100
5) Bromomethane	1.64	94	65730	56.35	ug/l	98
6) Chloroethane	1.71	64	85952	57.41	ug/l	98
7) Trichlorofluoromethane	1.92	101	198662	52.09	ug/l	99
8) Diethyl Ether	2.19	74	88051	63.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110971	52.14	ug/l	97
10) Methyl Iodide	2.51	142	120488	41.84	ug/l	98
11) Tert butyl alcohol	3.09	59	221716	369.63	ug/l	98
12) 1,1-Dichloroethene	2.37	96	106965	53.68	ug/l	97
13) Acrolein	2.30	56	66082	254.80	ug/l	98
14) Allyl chloride	2.73	41	248550	59.42	ug/l	98
15) Acrylonitrile	3.15	53	448918	363.95	ug/l	99
16) Acetone	2.45	43	432809	367.00	ug/l	100
17) Carbon Disulfide	2.57	76	254893	44.45	ug/l	100
18) Methyl Acetate	2.78	43	222319	78.91	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	471740	62.95	ug/l	100
20) Methylene Chloride	2.85	84	138906	68.65	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	118863	61.64	ug/l	98
22) Diisopropyl ether	3.88	45	459767	54.04	ug/l	99
23) Vinyl Acetate	3.83	43	2056966	291.61	ug/l	98
24) 1,1-Dichloroethane	3.70	63	221808	54.88	ug/l	99
25) 2-Butanone	4.71	43	635510	294.02	ug/l	99
26) 2,2-Dichloropropane	4.59	77	144261	35.27	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	130911	50.38	ug/l	97
28) Bromochloromethane	5.02	49	112413	66.89	ug/l	99
29) Tetrahydrofuran	5.17	42	416767	296.36	ug/l	99
30) Chloroform	5.22	83	236987	52.05	ug/l	99
31) Cyclohexane	5.58	56	184028	43.71	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	196887	46.38	ug/l	99
36) 1,1-Dichloropropene	5.81	75	156362	43.53	ug/l	98
37) Ethyl Acetate	4.87	43	242749	51.84	ug/l	99
38) Carbon Tetrachloride	5.79	117	168296	40.18	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002158.D
 Acq On : 31 May 2018 01:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:48 PM

Quant Time: May 31 06:44:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182021	41.25	ug/l	96
40) Benzene	6.15	78	514597	48.90	ug/l	99
41) Methacrylonitrile	5.07	41	137927	55.98	ug/l	99
42) 1,2-Dichloroethane	6.20	62	209037	49.73	ug/l	99
43) Isopropyl Acetate	6.47	43	396290	50.79	ug/l	99
44) Trichloroethene	7.22	130	141744	46.23	ug/l	97
45) 1,2-Dichloropropane	7.52	63	141361	49.47	ug/l	98
46) Dibromomethane	7.67	93	93603	49.47	ug/l	99
47) Bromodichloromethane	7.90	83	176439	43.74	ug/l	99
48) Methyl methacrylate	7.78	41	203146	51.16	ug/l	98
49) 1,4-Dioxane	7.76	88	83754	1196.91	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1317922	280.22	ug/l	100
52) Toluene	8.79	92	325385	48.59	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	205812	44.30	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	196662	43.44	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	141412	50.55	ug/l	99
56) Ethyl methacrylate	9.19	69	237352	49.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	234964	50.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	525564	246.43	ug/l	99
59) 2-Hexanone	9.50	43	1035619	285.57	ug/l	99
60) Dibromochloromethane	9.59	129	146861	44.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	151461	51.60	ug/l	100
64) Tetrachloroethene	9.34	164	163846	46.45	ug/l	100
65) Chlorobenzene	10.14	112	371200	47.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	143515	45.60	ug/l	99
67) Ethyl Benzene	10.26	91	636141	46.97	ug/l	99
68) m/p-Xylenes	10.37	106	490648	94.78	ug/l	100
69) o-Xylene	10.70	106	248548	48.09	ug/l	100
70) Styrene	10.72	104	414012	48.30	ug/l	100
71) Bromoform	10.86	173	119712	40.11	ug/l #	99
73) Isopropylbenzene	11.02	105	636622	46.65	ug/l	100
74) N-amyl acetate	6.47	43	396290	56.37	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	213774	57.46	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	227340m	58.73	ug/l	
77) Bromobenzene	11.26	156	180102	49.74	ug/l	97
78) n-propylbenzene	11.37	91	704870	46.11	ug/l	100
79) 2-Chlorotoluene	11.43	91	445560	53.29	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	549712	47.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	62012	38.50	ug/l	89
82) 4-Chlorotoluene	11.52	91	514986	47.77	ug/l	100
83) tert-Butylbenzene	11.77	119	522743	45.67	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	571813	47.44	ug/l	100
85) sec-Butylbenzene	11.95	105	626836	45.56	ug/l	99
86) p-Isopropyltoluene	12.07	119	561597	45.62	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	310967	47.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	315441	48.65	ug/l	99
89) n-Butylbenzene	12.39	91	460028	44.10	ug/l	99
90) Hexachloroethane	12.60	117	89803	36.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	327846	49.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54963	45.30	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
Data File : VX002158.D
Acq On : 31 May 2018 01:17
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

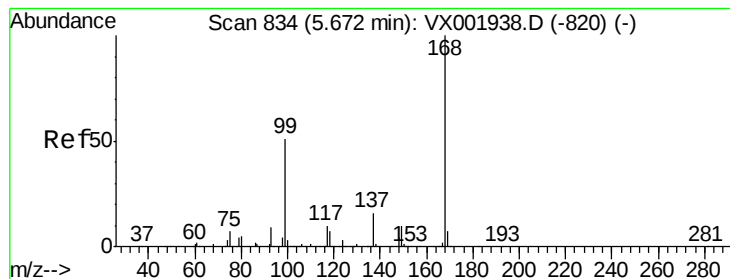
Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM

Quant Time: May 31 06:44:25 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	219177	46.39	ug/l	99
94) Hexachlorobutadiene	13.79	225	104049	40.94	ug/l	100
95) Naphthalene	13.84	128	738914	50.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	229445	46.93	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 170952

Ion Ratio Lower Upper

168 100

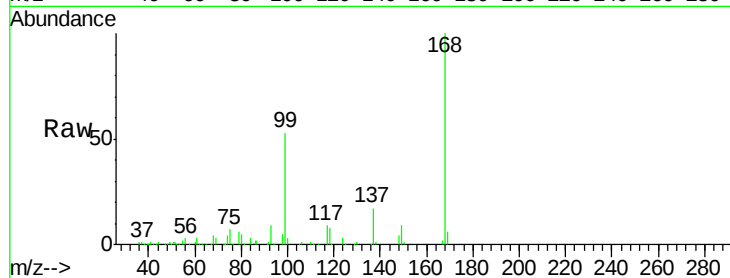
99 52.4 41.0 61.4

Manual Integrations

APPROVED

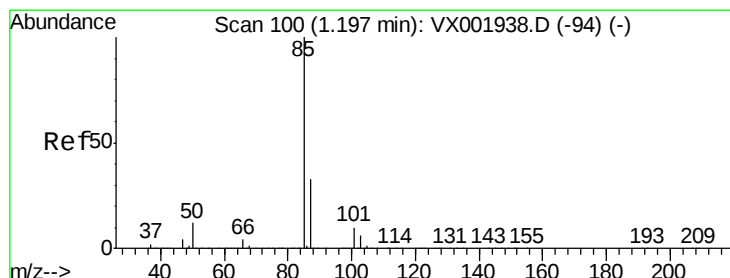
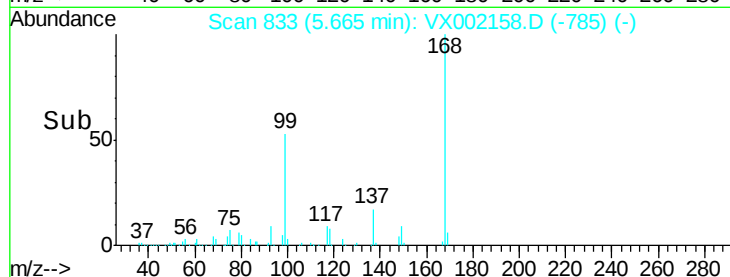
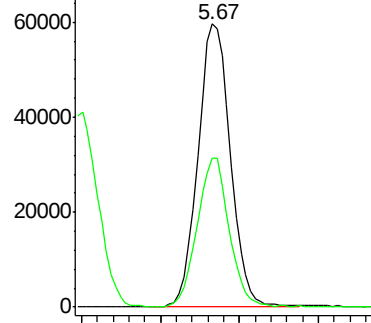
MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 39.74 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002158.D

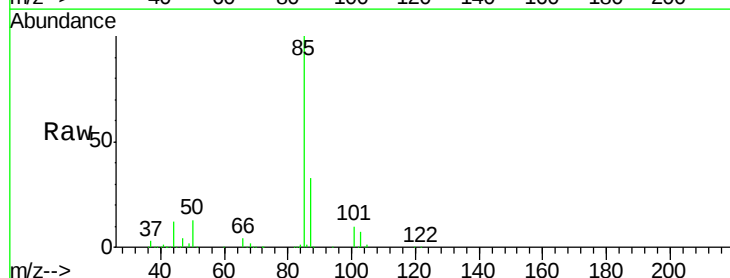
Acq: 31 May 2018 01:17

Tgt Ion: 85 Resp: 85914

Ion Ratio Lower Upper

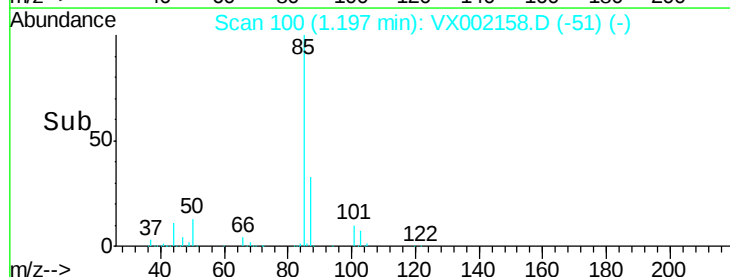
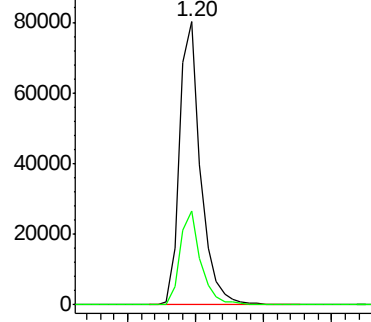
85 100

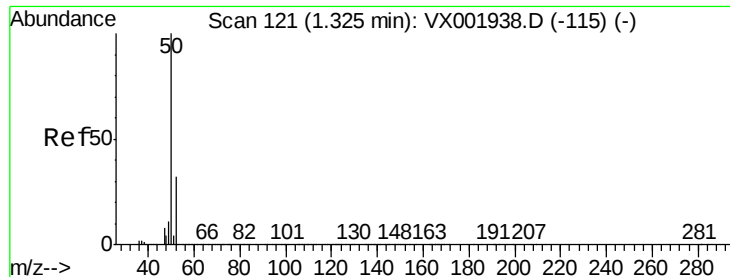
87 33.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 129021

Ion Ratio Lower Upper

50 100

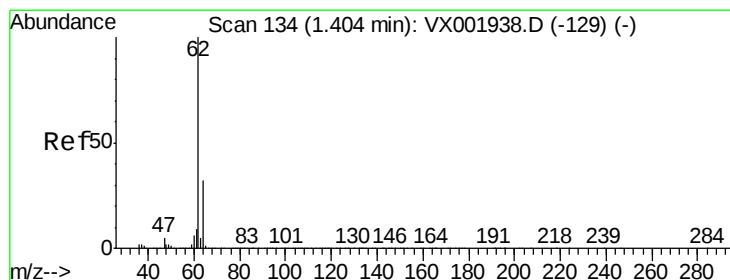
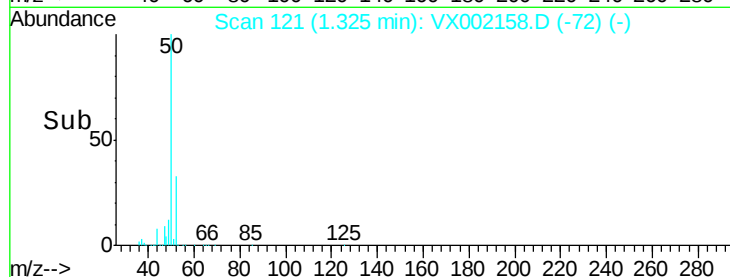
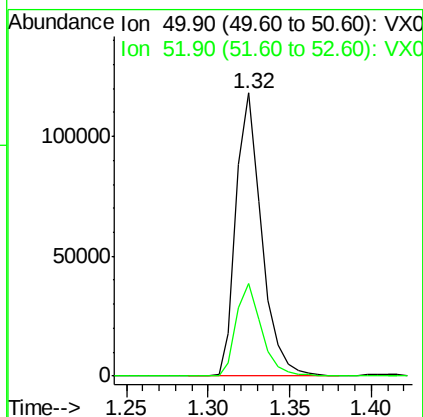
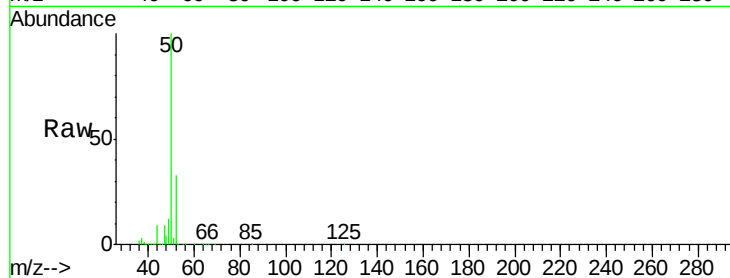
52 32.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#4

Vinyl Chloride

Concen: 50.30 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002158.D

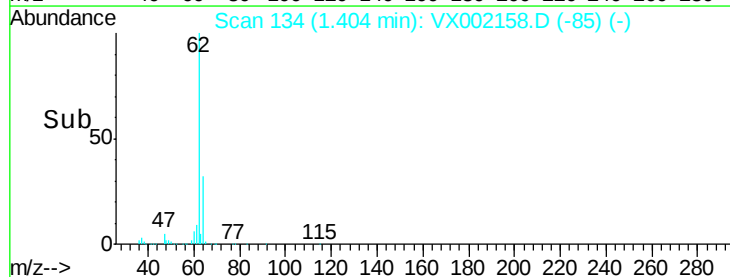
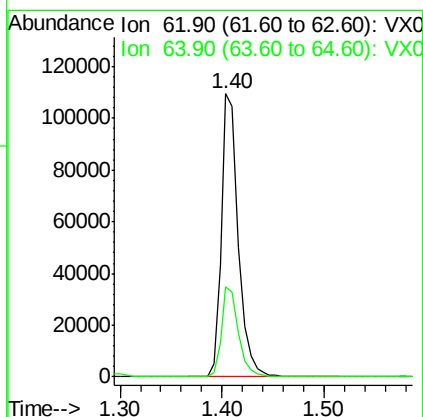
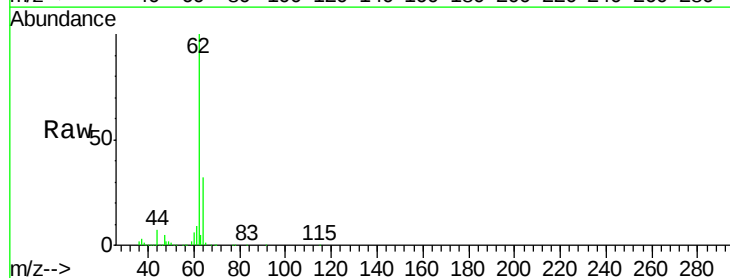
Acq: 31 May 2018 01:17

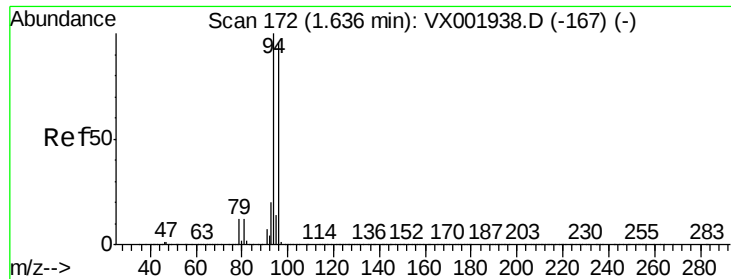
Tgt Ion: 62 Resp: 127748

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 56.35 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65730

Ion Ratio Lower Upper

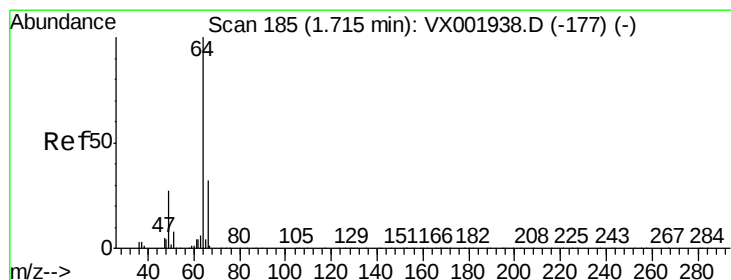
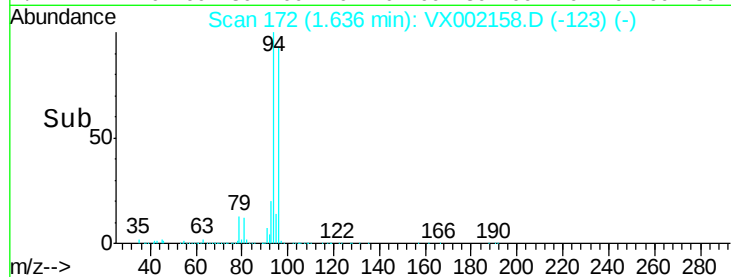
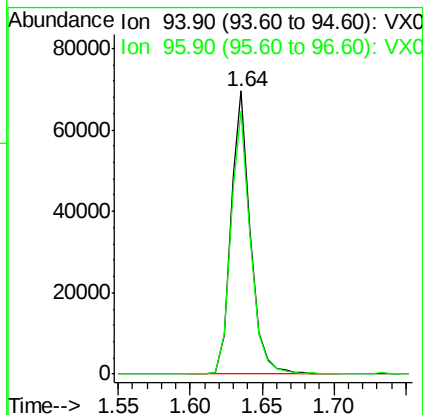
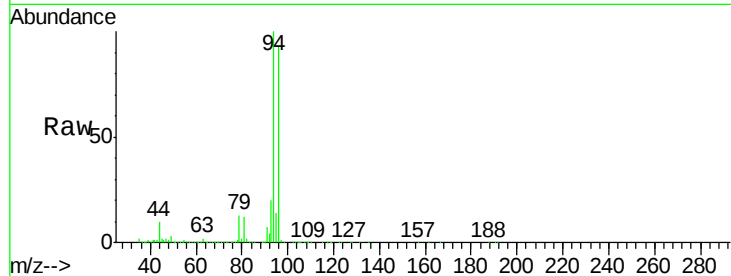
94 100

96 93.1 75.9 113.9

Manual Integrations
APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#6

Chloroethane

Concen: 57.41 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002158.D

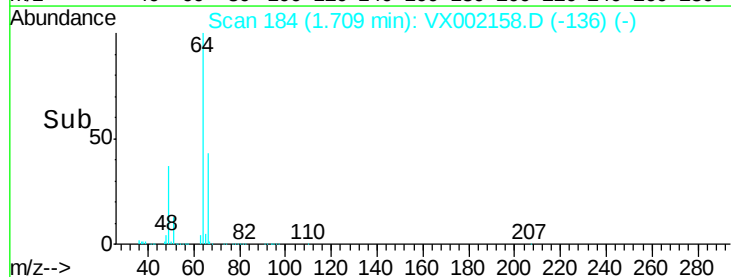
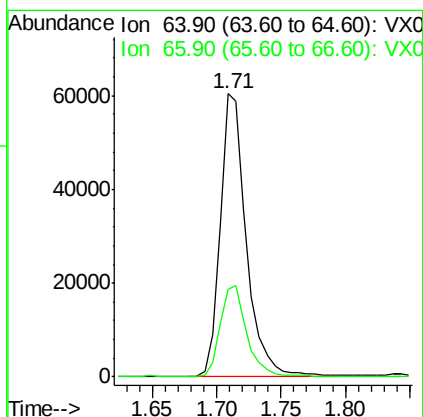
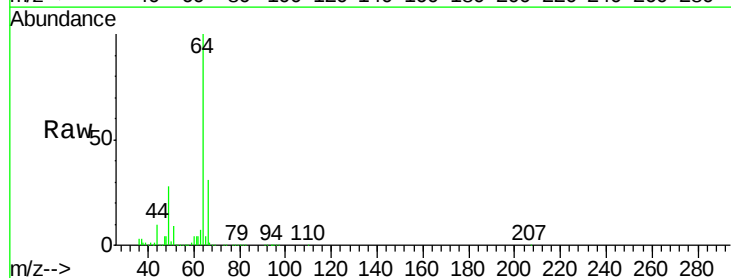
Acq: 31 May 2018 01:17

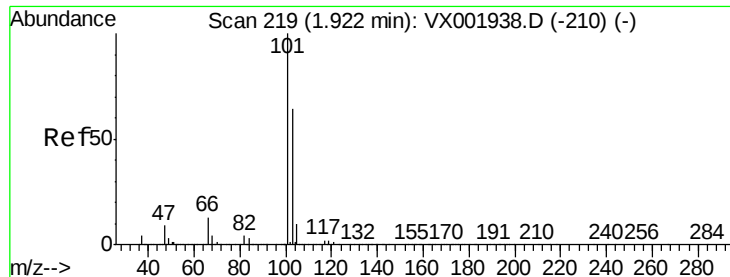
Tgt Ion: 64 Resp: 85952

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4





#7

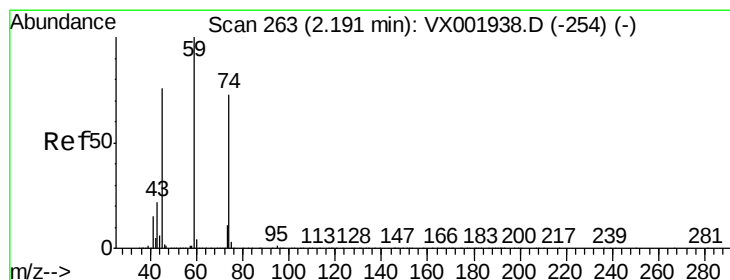
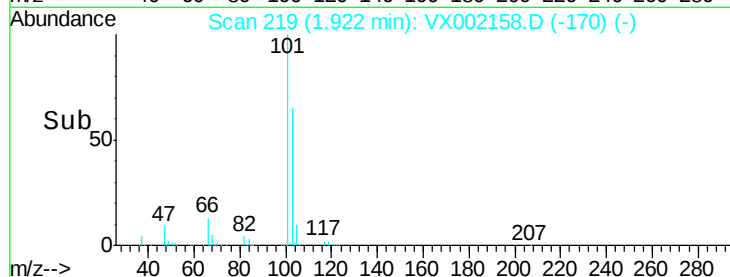
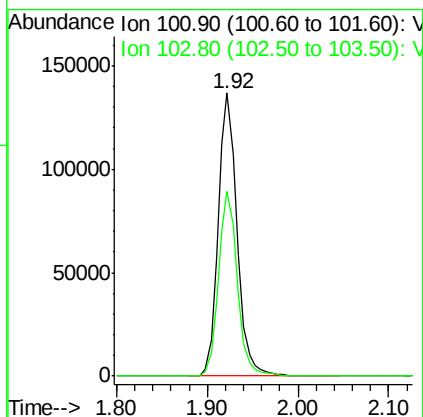
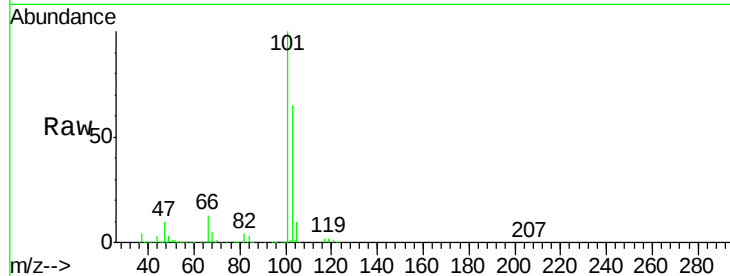
Trichlorofluoromethane
Concen: 52.09 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.0

Manual Integrations
APPROVED

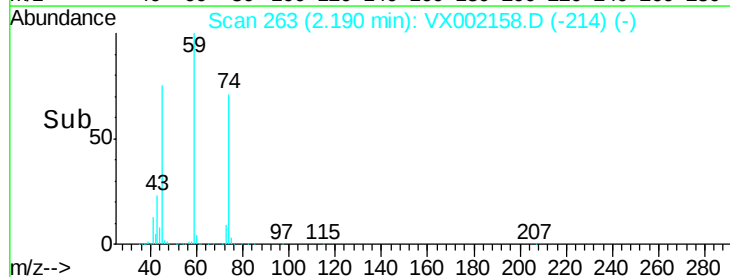
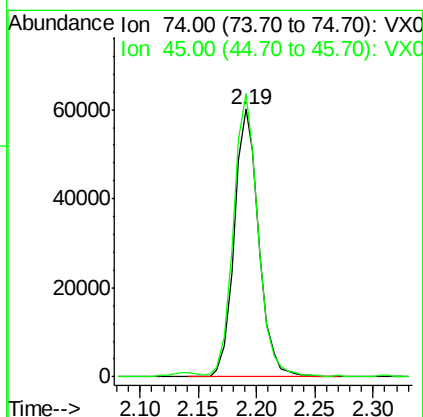
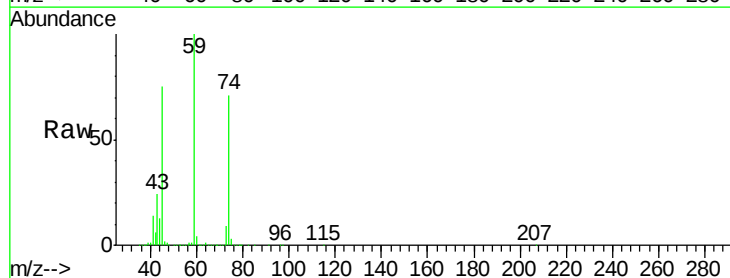
MMDadoda
5/31/2018 3:07:48 PM

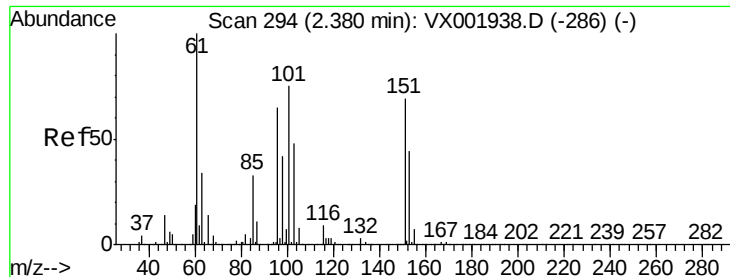


#8

Diethyl Ether
Concen: 63.63 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

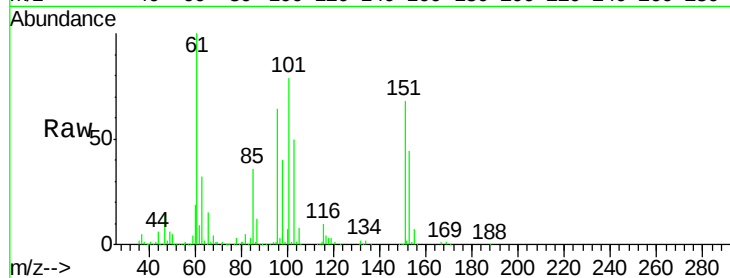
ClientSampleId :

VSTDCCC050

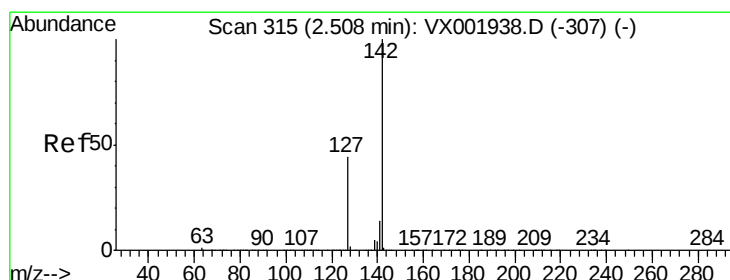
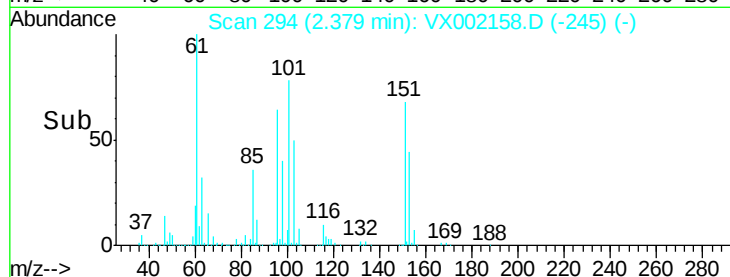
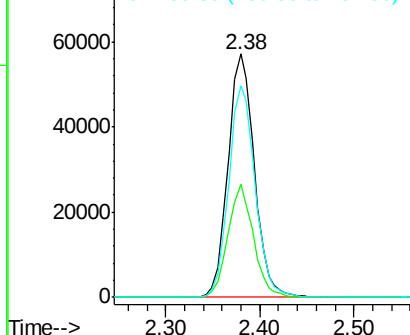
Tot Ion:	101	Resp:	110971
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.6	53.4
151	87.4	73.2	109.8

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



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



#10

Methyl Iodide

Concen: 41.84 ug/l

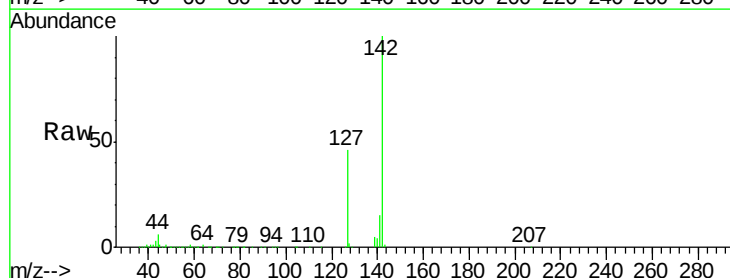
RT: 2.51 min Scan# 315

Delta R.T. -0.00 min

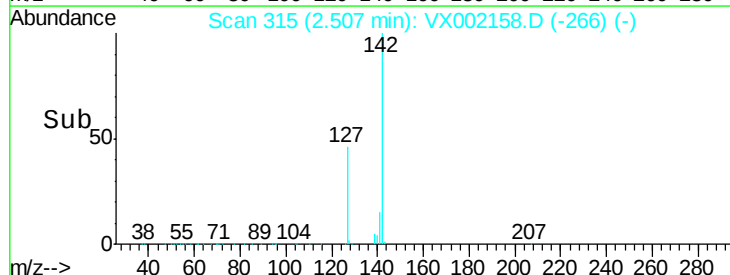
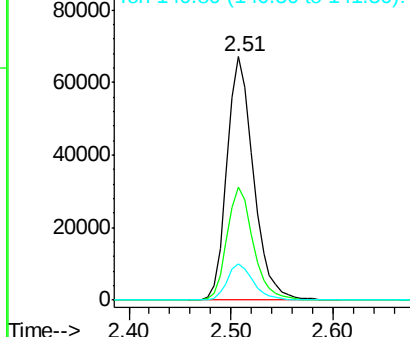
Lab File: VX002158.D

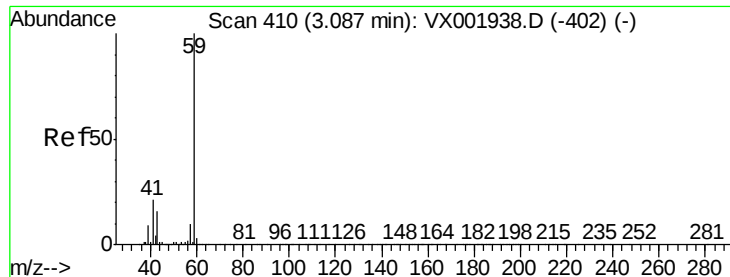
Acq: 31 May 2018 01:17

Tgt Ion:	142	Resp:	120488
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.5	53.3
141	14.8	11.3	16.9



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





#11

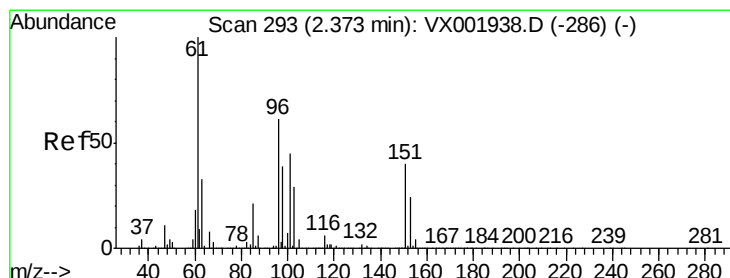
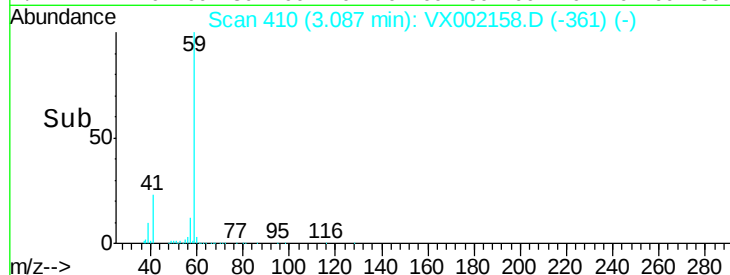
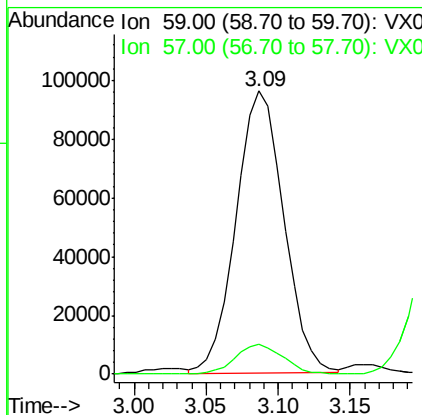
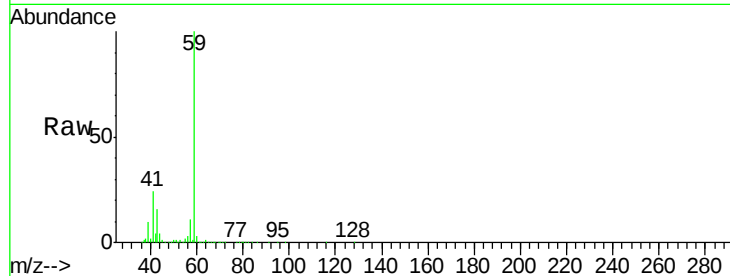
Tert butyl alcohol
Concen: 369.63 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.9	13.3

Manual Integrations
APPROVED

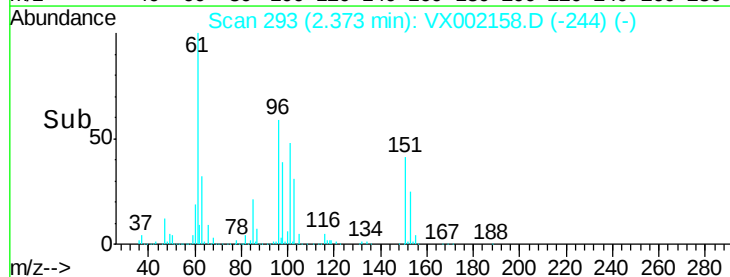
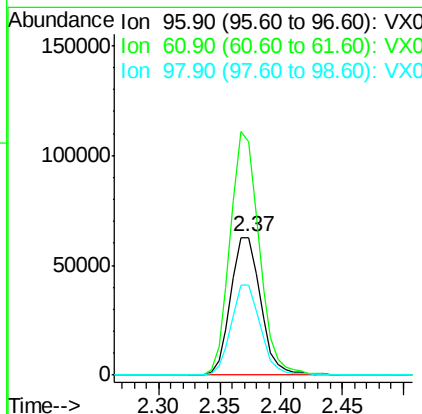
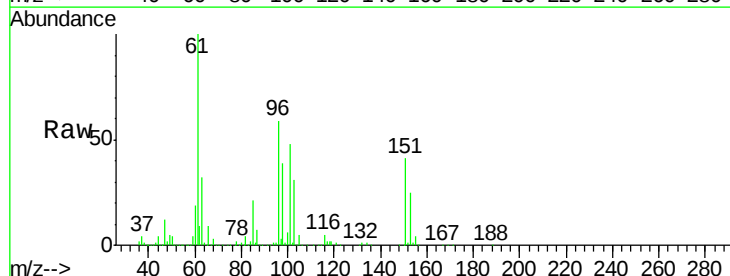
MMDadoda
5/31/2018 3:07:48 PM

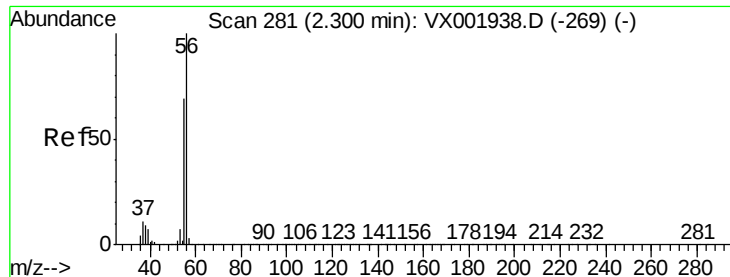


#12

1,1-Dichloroethene
Concen: 53.68 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	131.7	197.5
98	65.5	51.6	77.4





#13

Acrolein

Concen: 254.80 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 66082

Ion Ratio Lower Upper

56 100

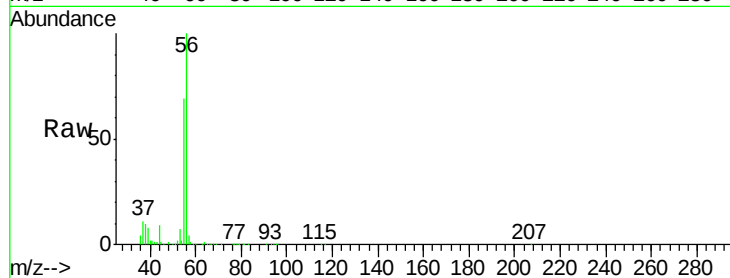
55 69.4 56.8 85.2

Manual Integrations

APPROVED

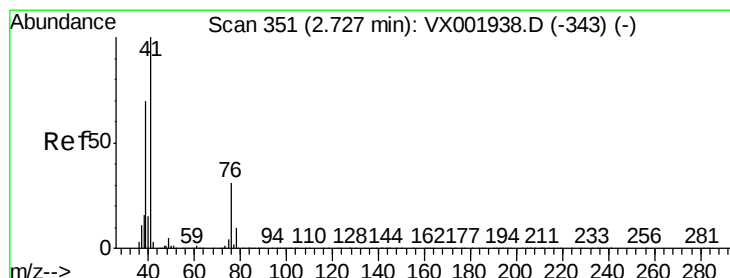
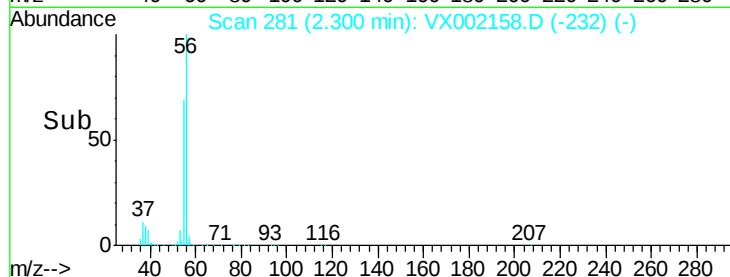
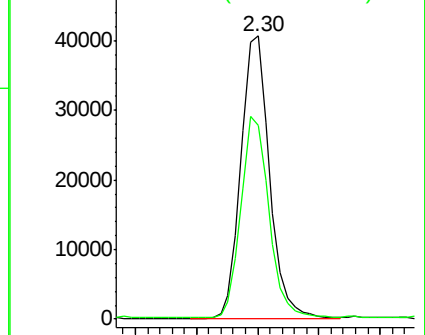
MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 59.42 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

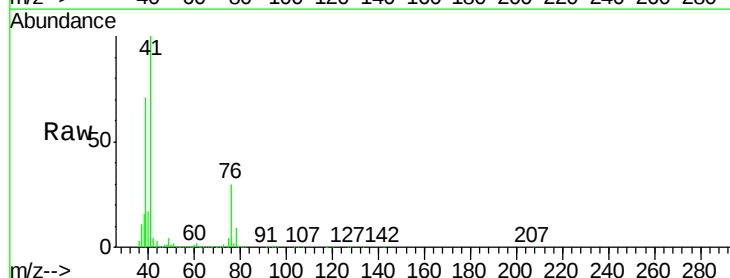
Tgt Ion: 41 Resp: 248550

Ion Ratio Lower Upper

41 100

39 68.2 54.3 81.5

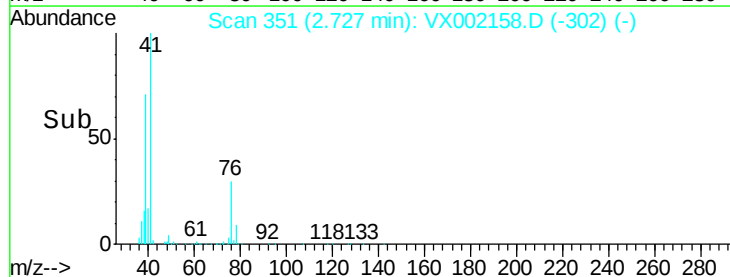
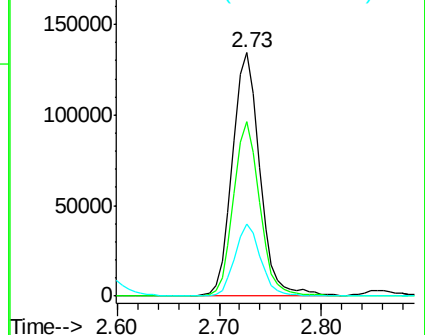
76 28.0 24.2 36.4

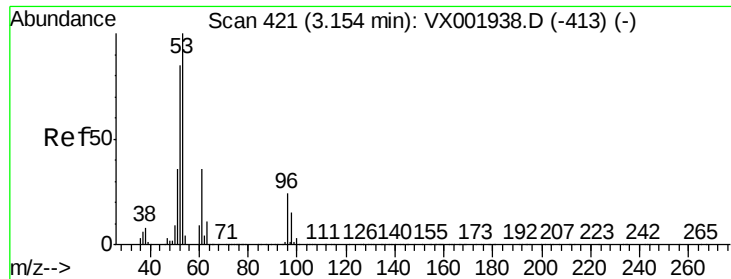


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





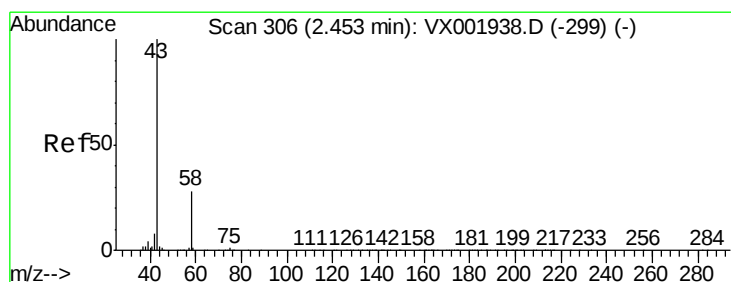
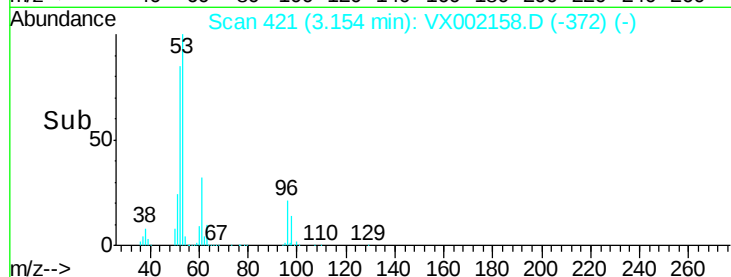
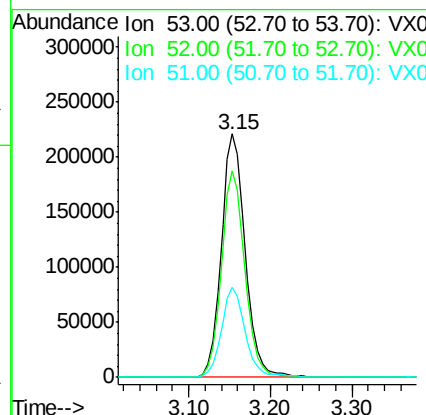
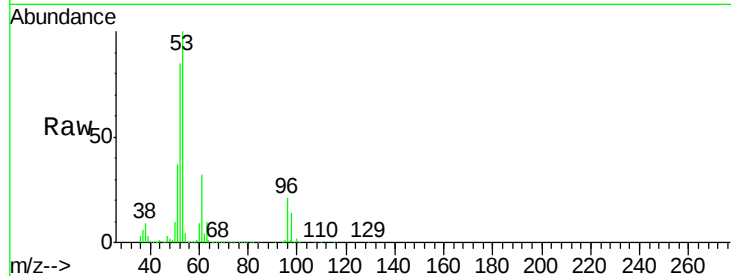
#15
 Acrylonitrile
 Concen: 363.95 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	448918
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.4	99.6
51	36.8	29.3	43.9

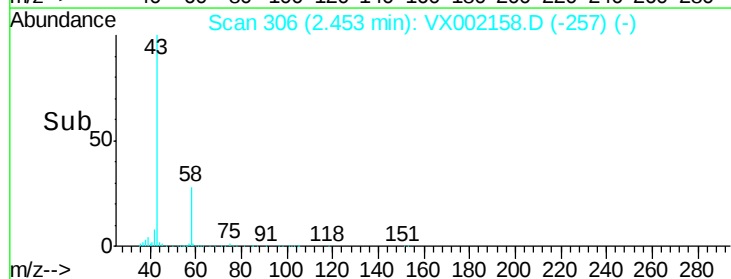
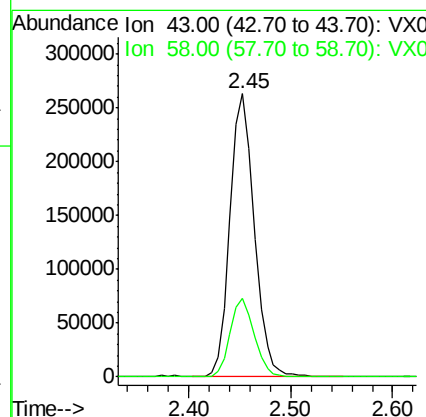
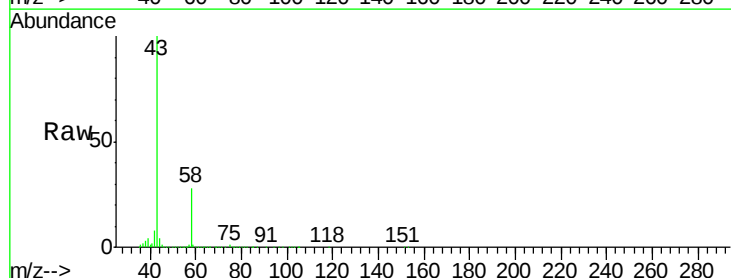
Manual Integrations
 APPROVED

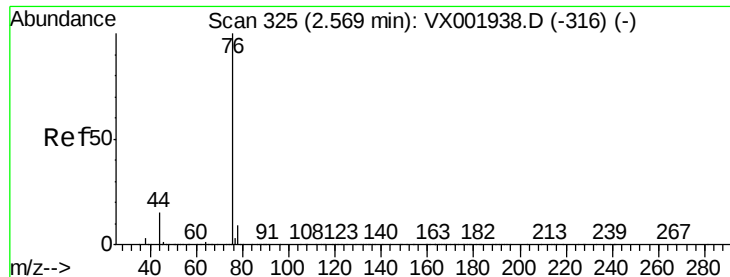
MMDadoda
 5/31/2018 3:07:48 PM



#16
 Acetone
 Concen: 367.00 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion:	43	Resp:	432809
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.3	33.5





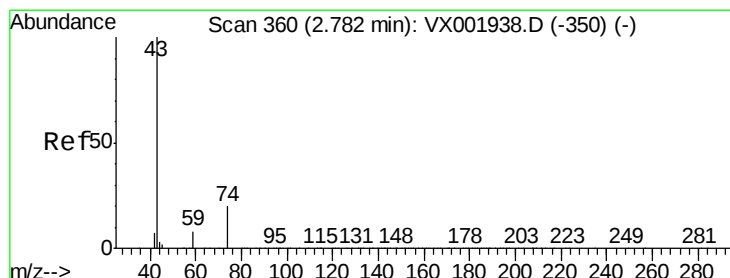
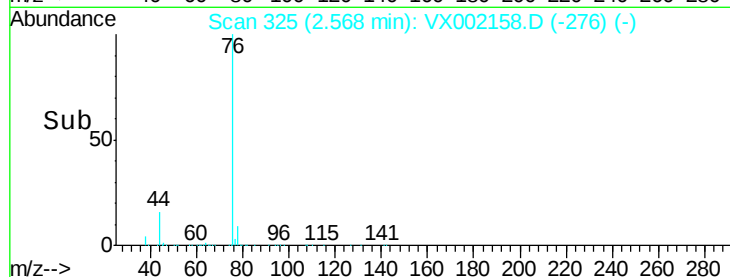
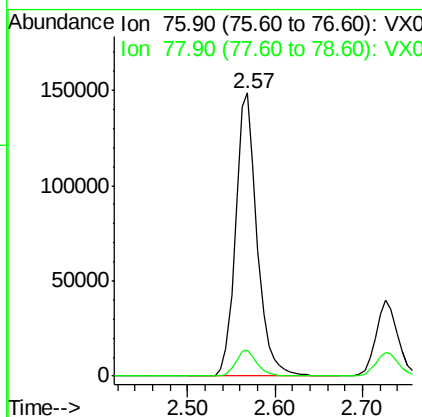
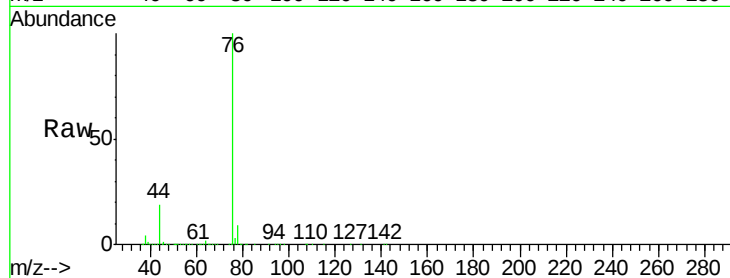
#17
Carbon Disulfide
Concen: 44.45 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

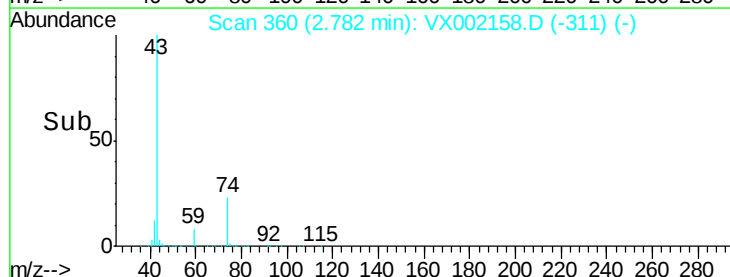
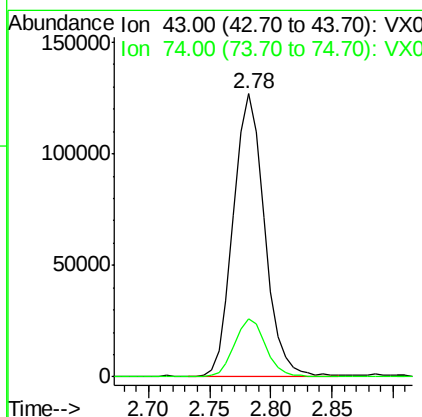
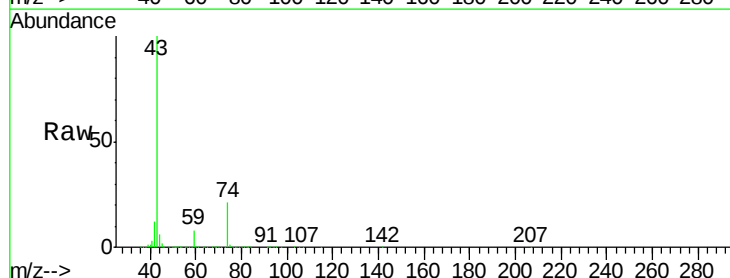
Manual Integrations
APPROVED

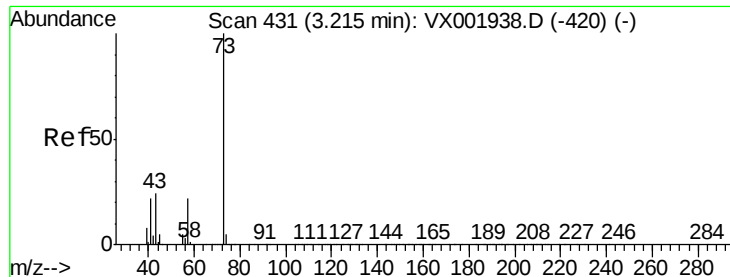
MMDadoda
5/31/2018 3:07:48 PM



#18
Methyl Acetate
Concen: 78.91 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.8	25.2





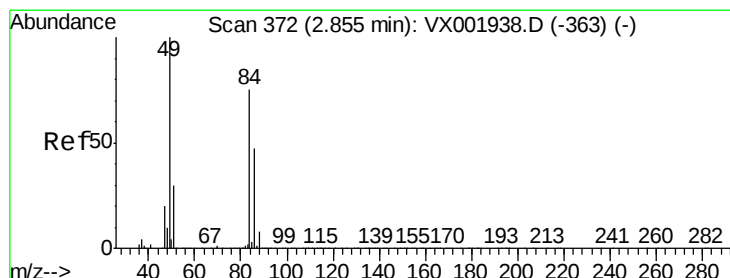
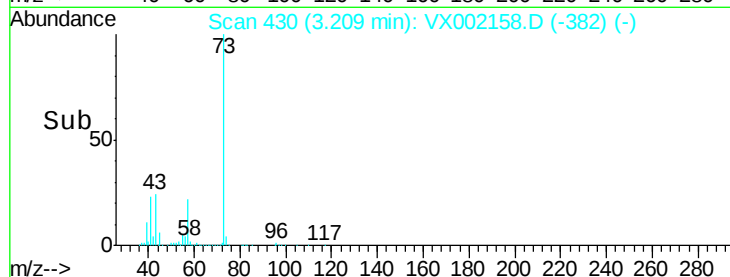
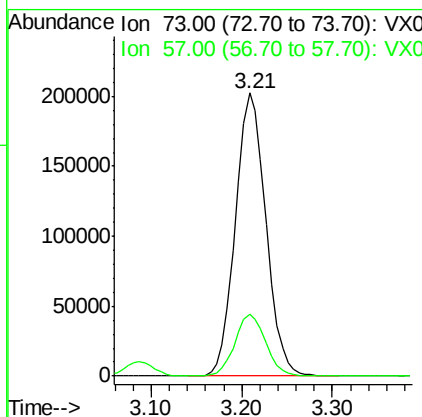
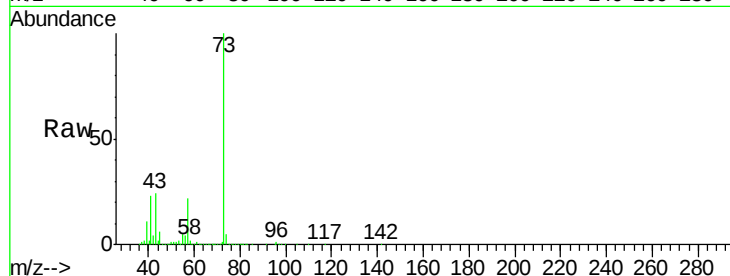
#19
Methvl tert-butvl Ether
Concen: 62.95 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

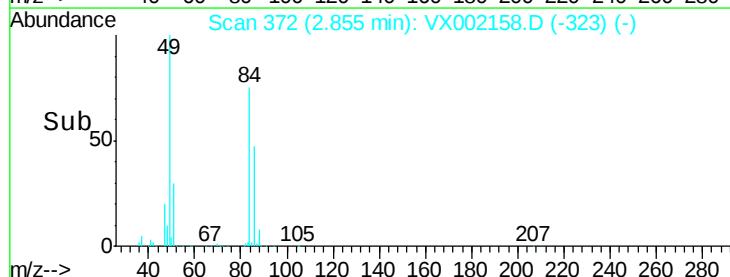
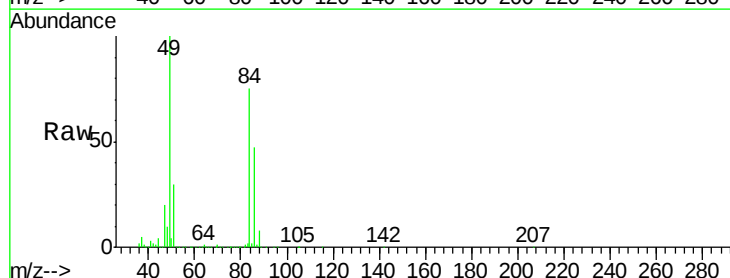
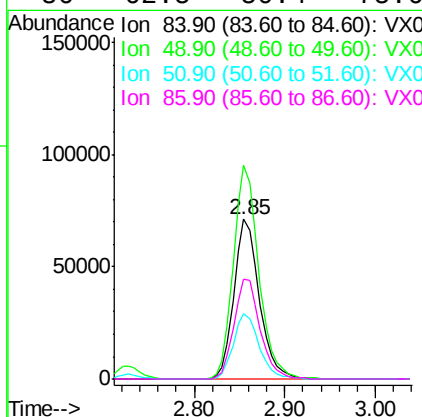
Manual Integrations
APPROVED

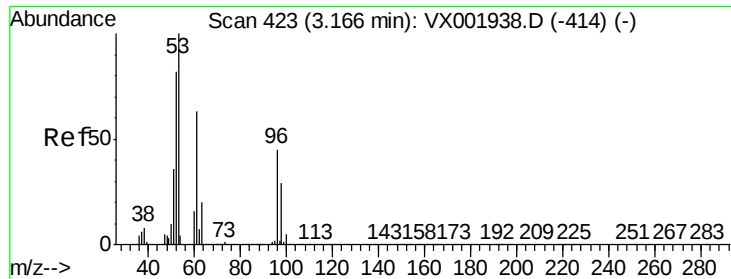
MMDadoda
5/31/2018 3:07:48 PM



#20
Methylene Chloride
Concen: 68.65 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.2	160.8
51	40.5	32.4	48.6
86	62.5	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 61.64 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

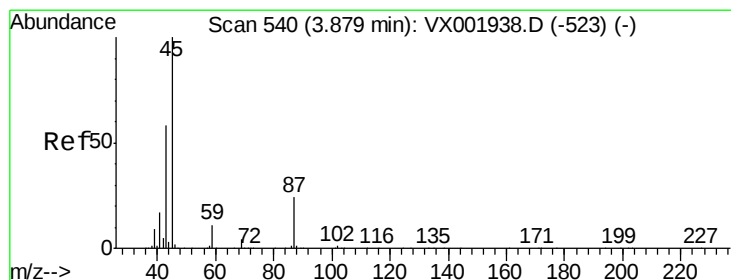
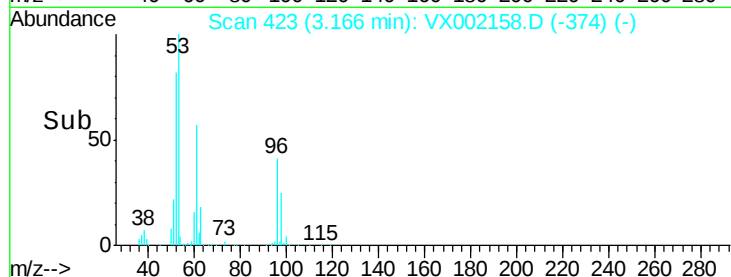
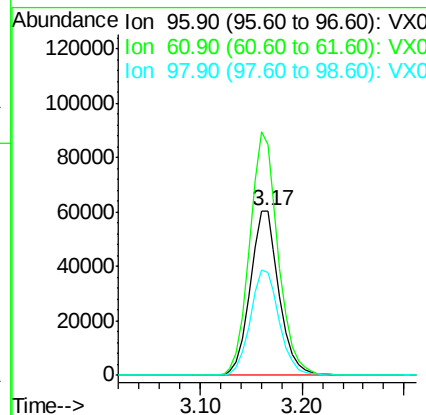
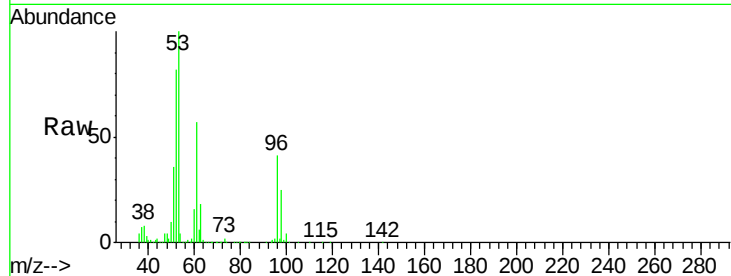
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	118863
Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.3	169.9
98	62.1	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



#22

Diisopropyl ether

Concen: 54.04 ug/l

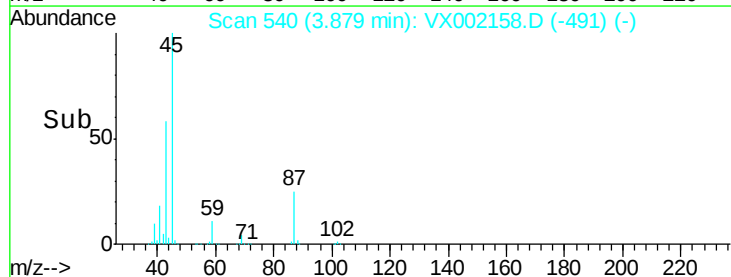
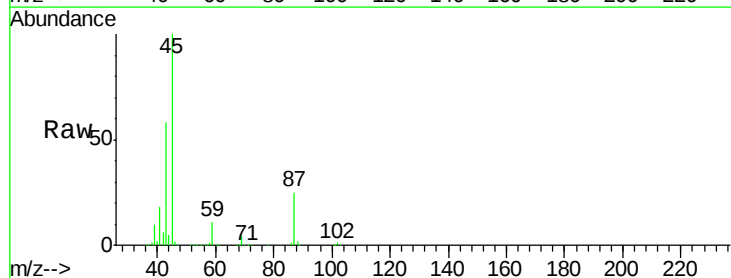
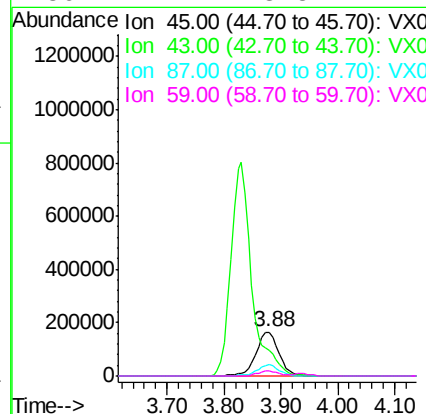
RT: 3.88 min Scan# 540

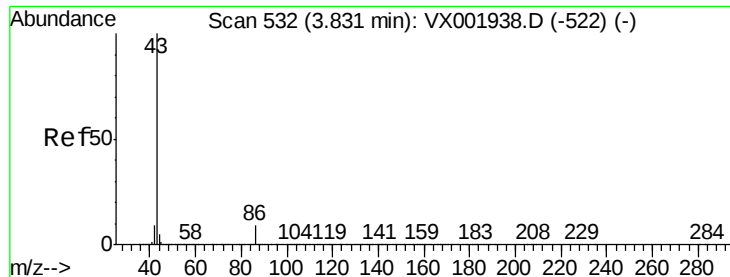
Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion:	45	Resp:	459767
Ion	Ratio	Lower	Upper
45	100		
43	58.2	47.0	70.6
87	24.7	19.4	29.0
59	11.4	8.5	12.7





#23

Vinyl Acetate

Concen: 291.61 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2056966

Ion Ratio Lower Upper

43 100

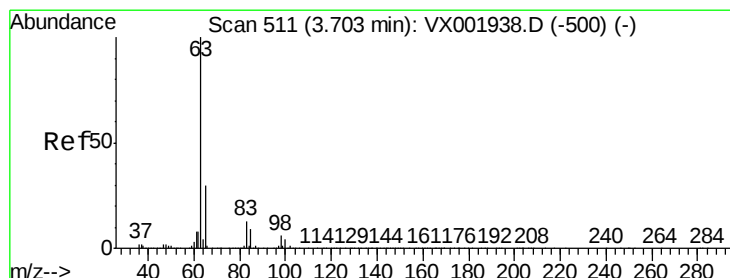
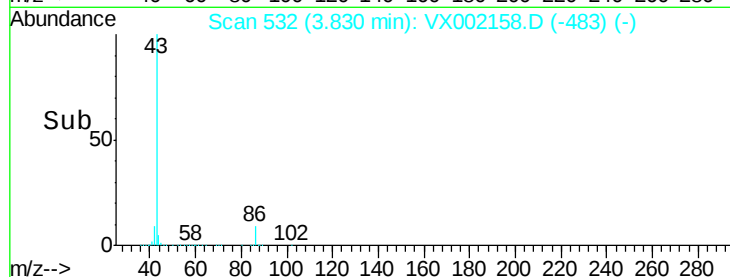
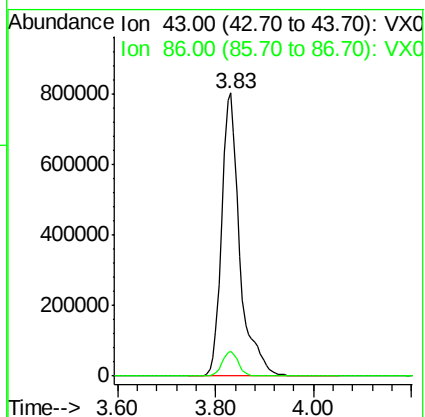
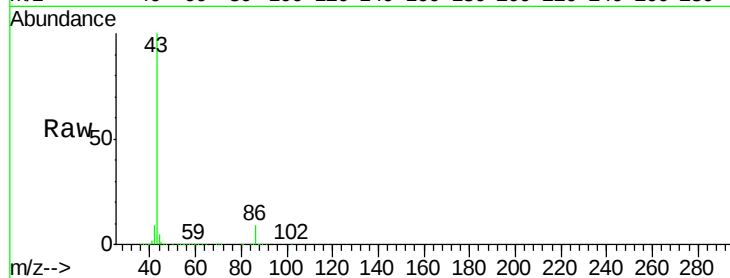
86 8.9 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#24

1,1-Dichloroethane

Concen: 54.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

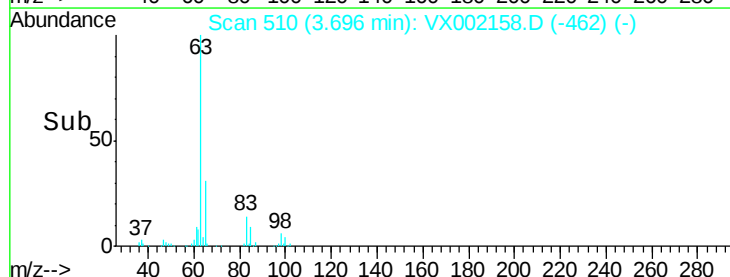
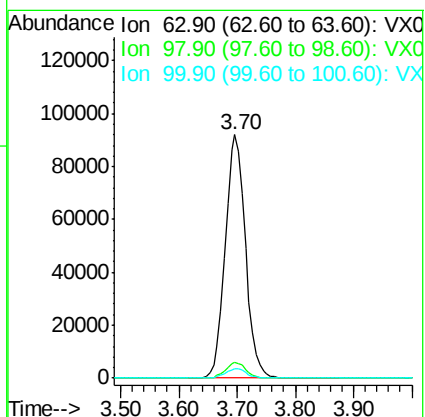
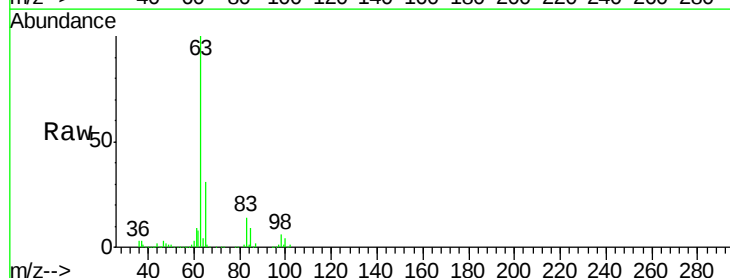
Tgt Ion: 63 Resp: 221808

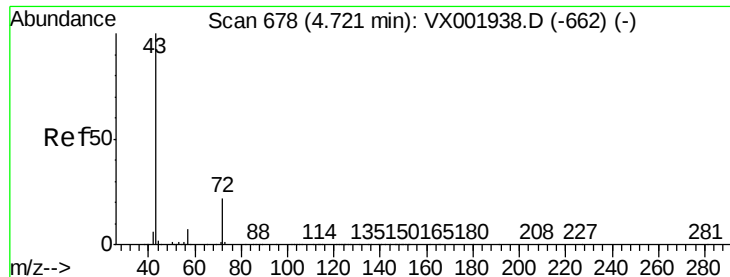
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 294.02 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tot Ion: 43 Resp: 635510

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

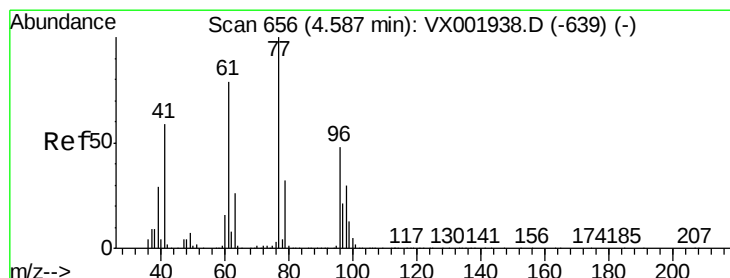
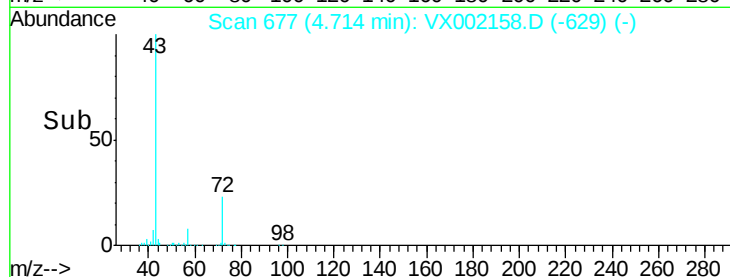
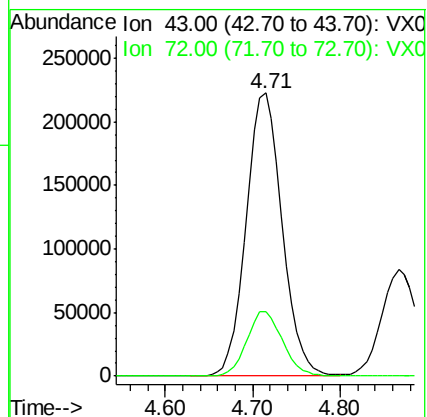
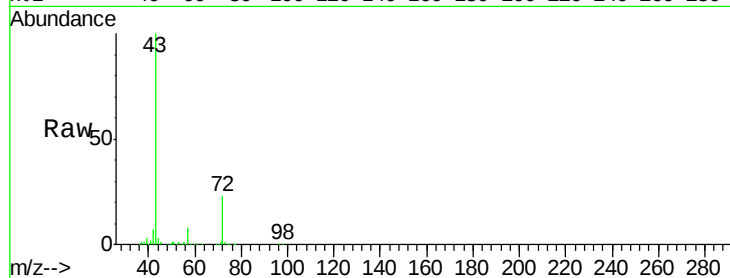
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#26

2,2-Dichloropropane

Concen: 35.27 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002158.D

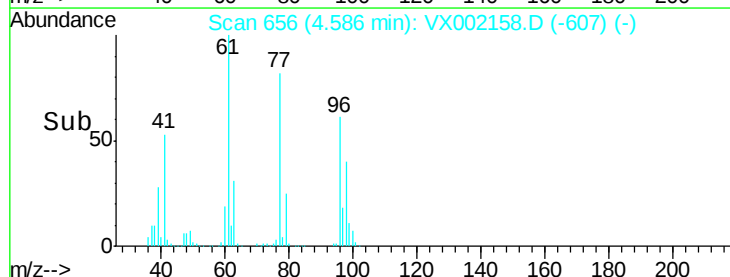
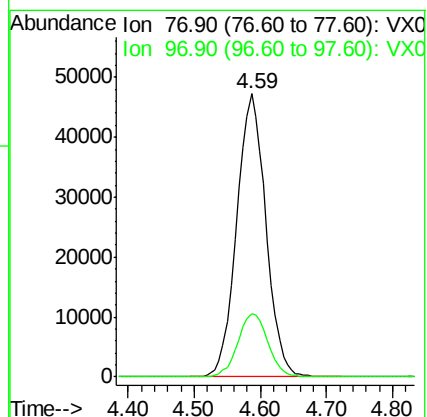
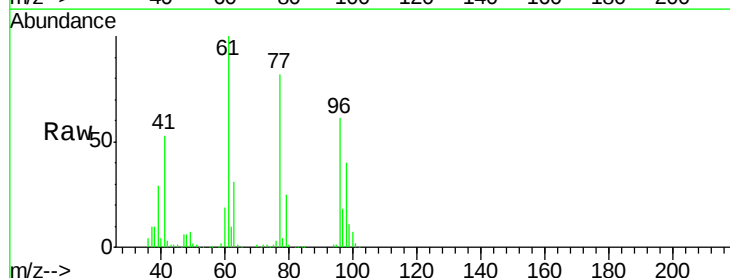
Acq: 31 May 2018 01:17

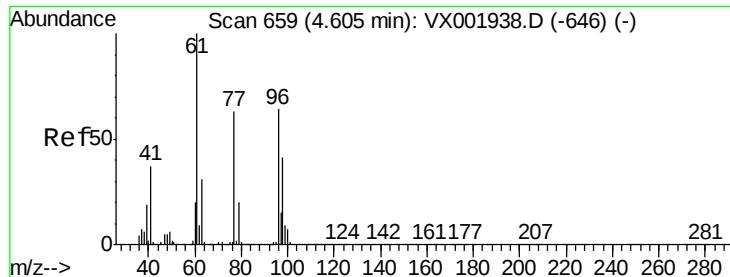
Tgt Ion: 77 Resp: 144261

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

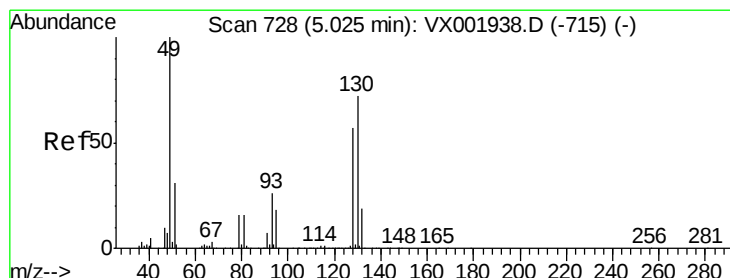
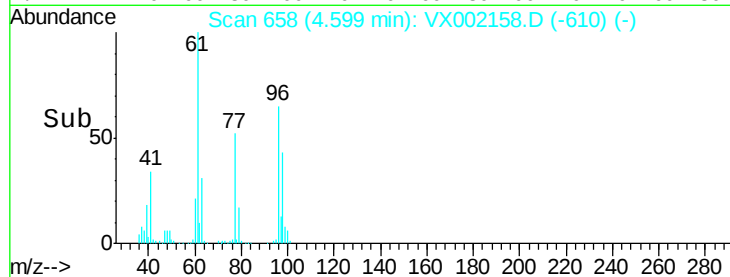
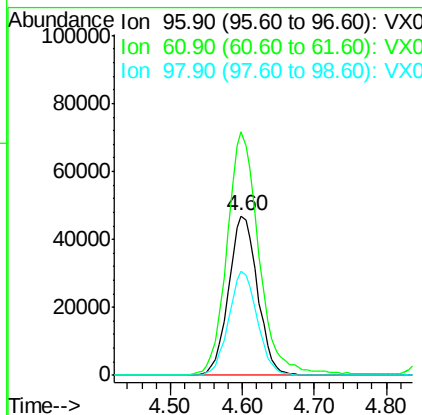
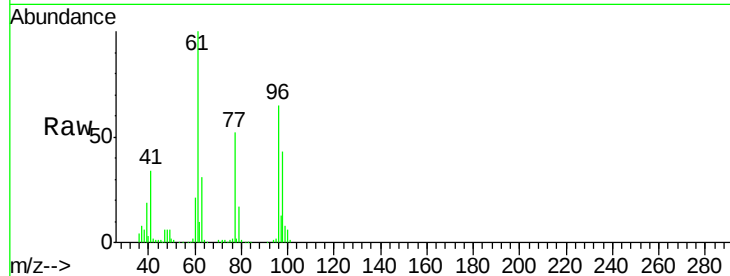
cis-1,2-Dichloroethene
Concen: 50.38 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	130911		
61	169.5	0.0	348.4	
98	64.8	0.0	128.6	

Manual Integrations
APPROVED

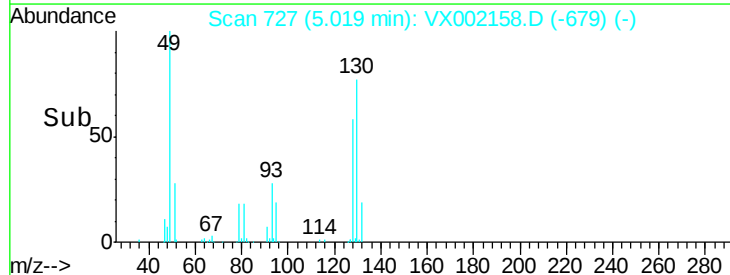
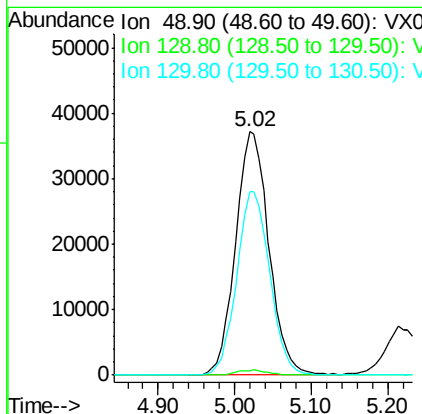
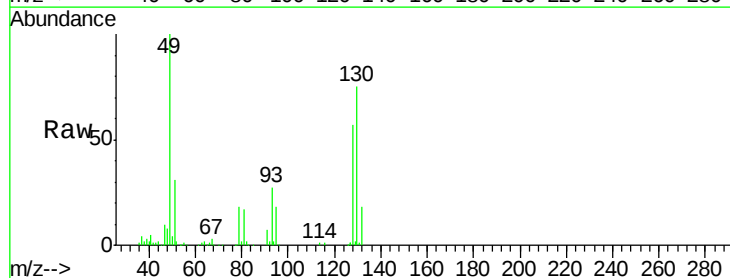
MMDadoda
5/31/2018 3:07:48 PM

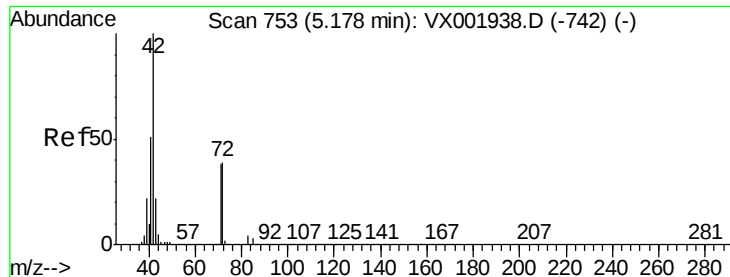


#28

Bromochloromethane
Concen: 66.89 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112413		
129	2.1	0.0	3.8	
130	74.7	59.4	89.2	





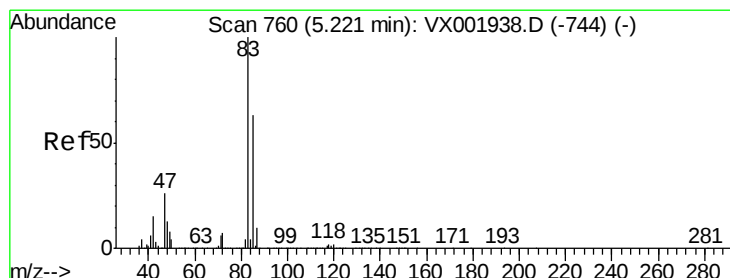
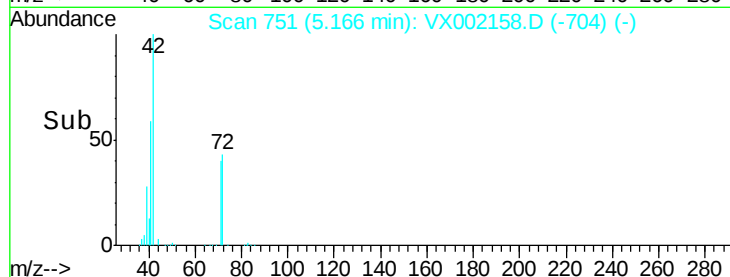
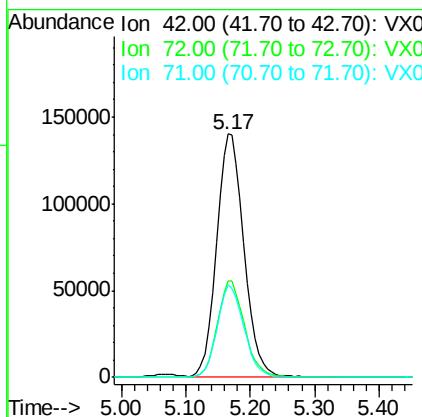
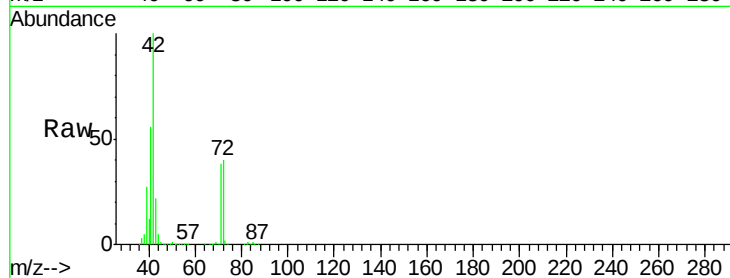
#29
Tetrahydrofuran
Concen: 296.36 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.4	47.0
71	37.2	29.5	44.3

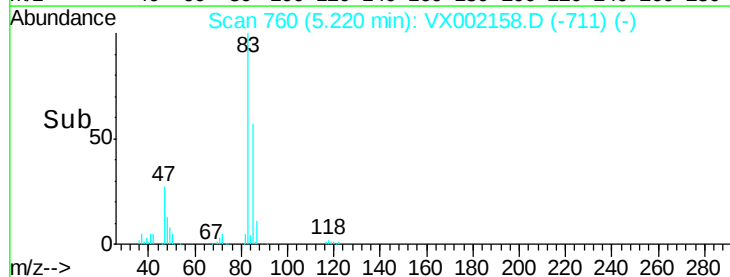
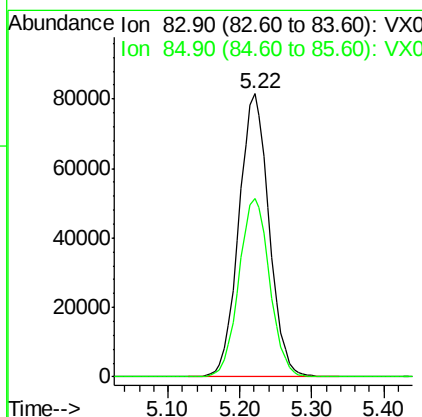
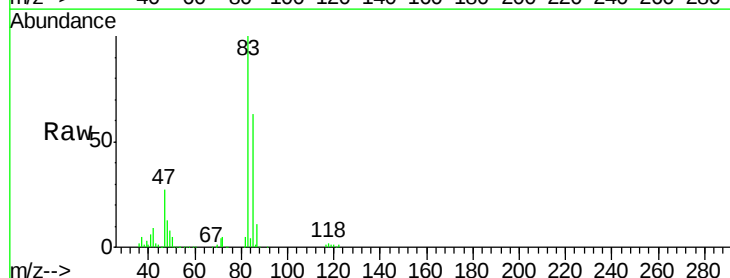
Manual Integrations
APPROVED

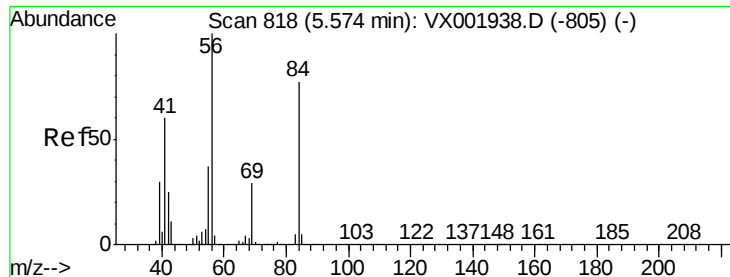
MMDadoda
5/31/2018 3:07:48 PM



#30
Chloroform
Concen: 52.05 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3





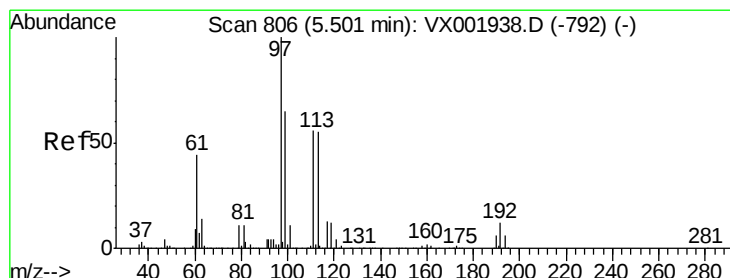
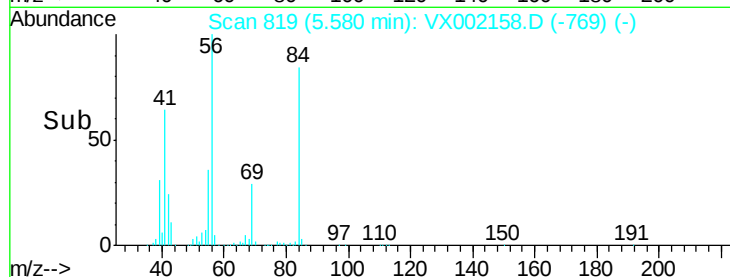
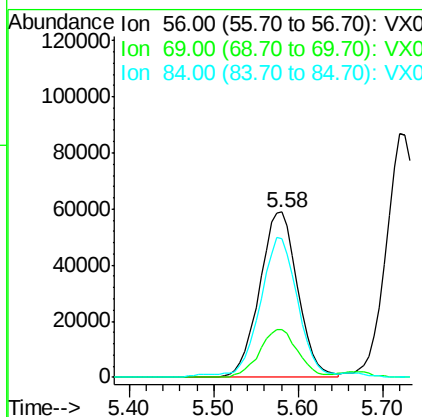
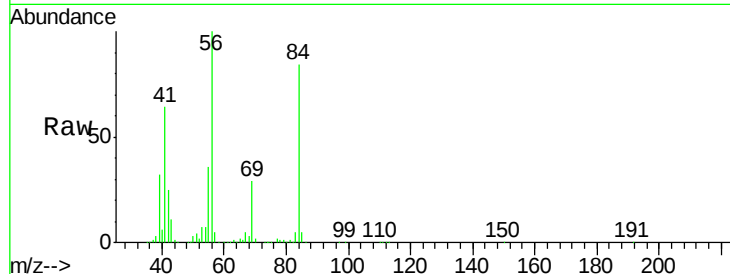
#31
Cyclohexane
Concen: 43.71 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.1	34.7
84	83.4	62.0	93.0

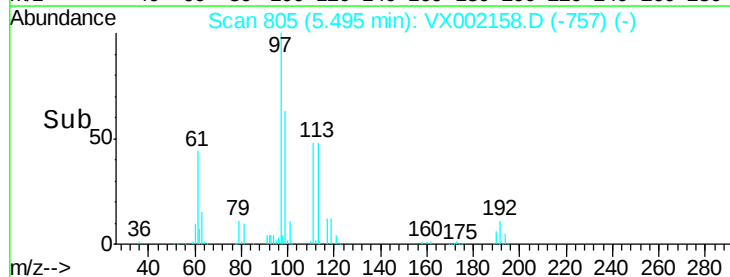
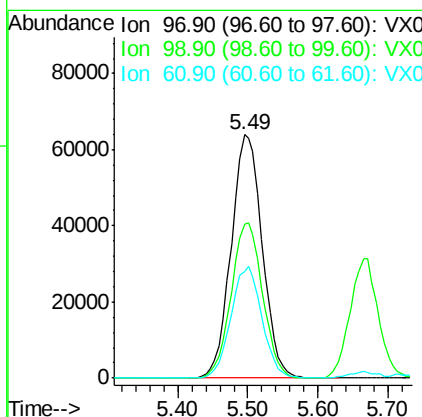
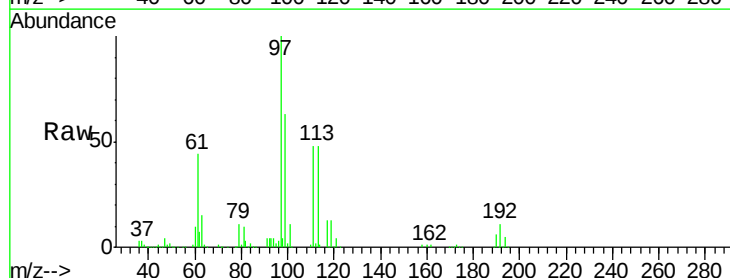
Manual Integrations
APPROVED

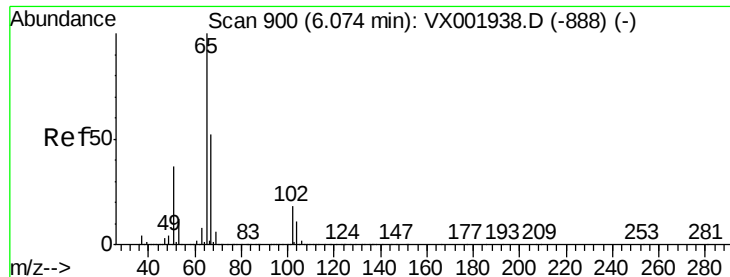
MMDadoda
5/31/2018 3:07:48 PM



#32
1,1,1-Trichloroethane
Concen: 46.38 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	45.9	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 46.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tot Ion: 65 Resp: 143367

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0

Instrument :

MSVOA_X

ClientSampleId :

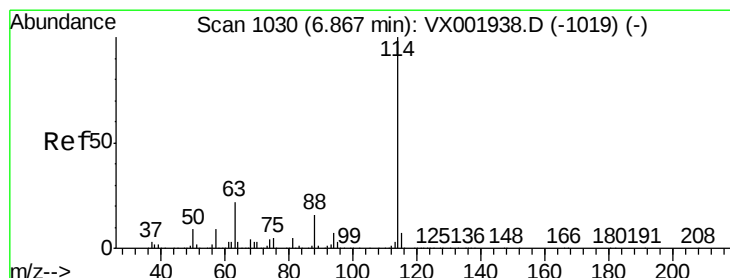
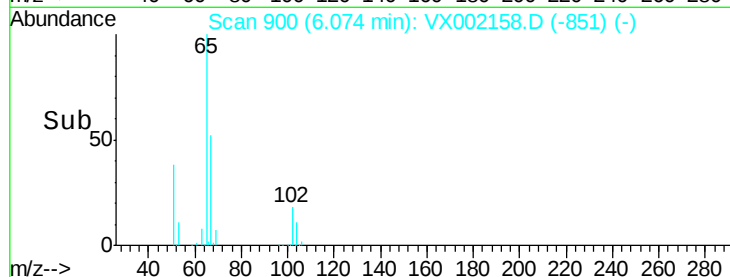
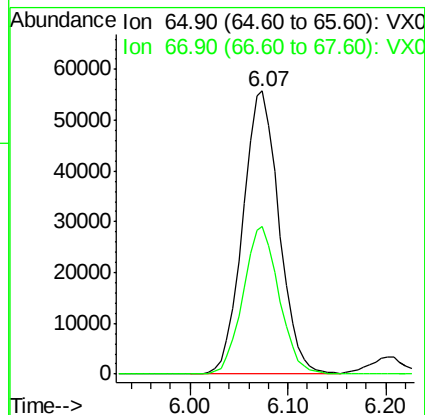
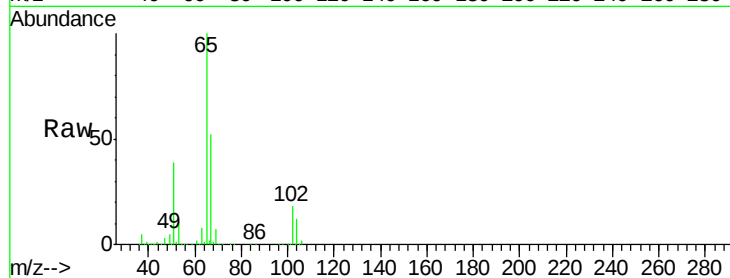
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

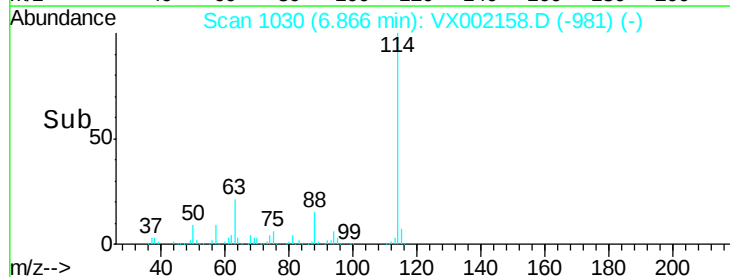
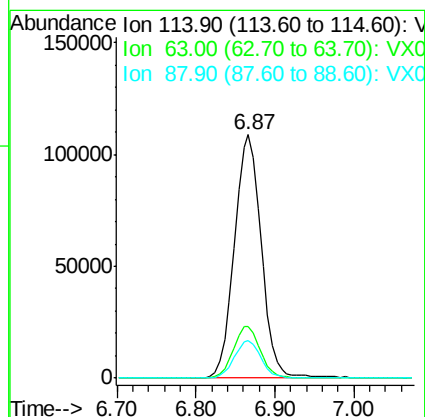
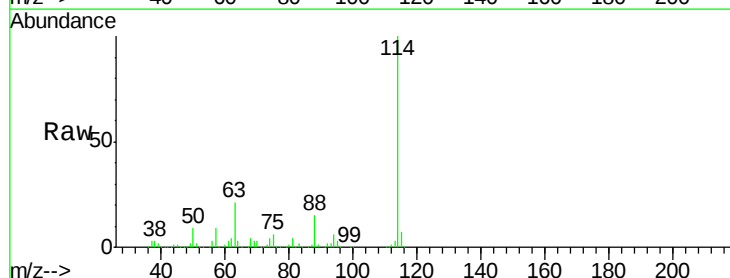
Tgt Ion: 114 Resp: 258216

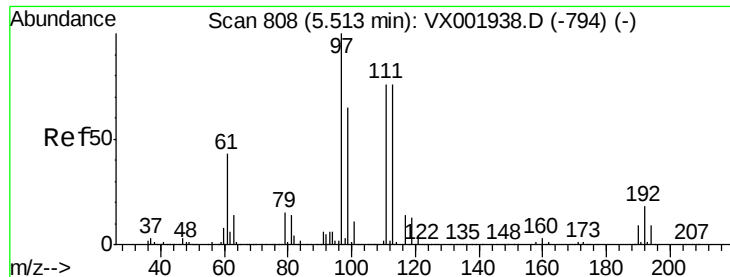
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 42.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

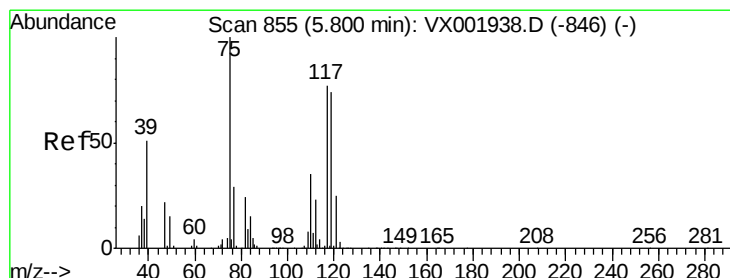
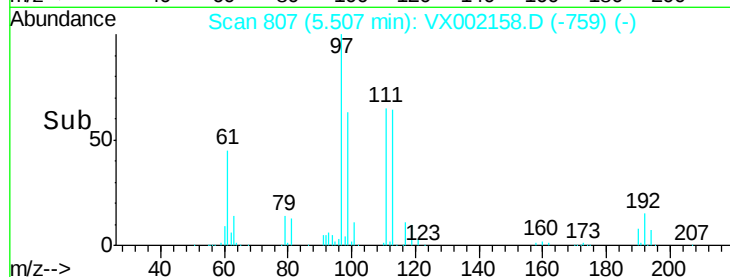
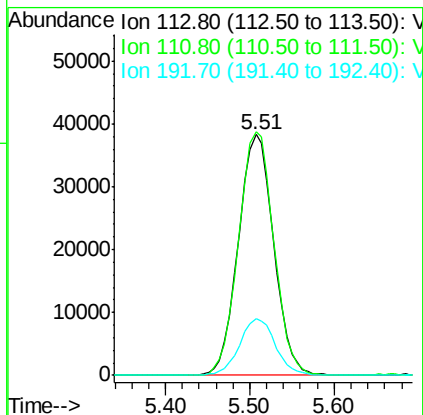
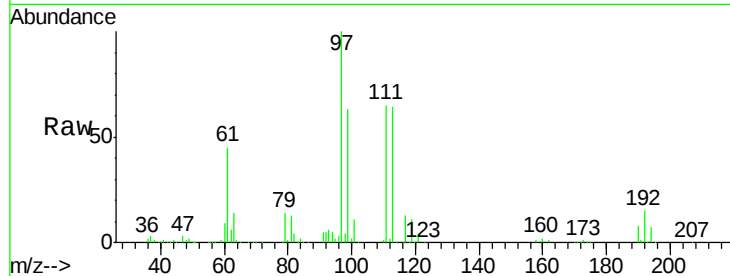
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	108568
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.0	123.0
192	23.7	18.9	28.3

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



#36

1,1-Dichloropropene

Concen: 43.53 ug/l

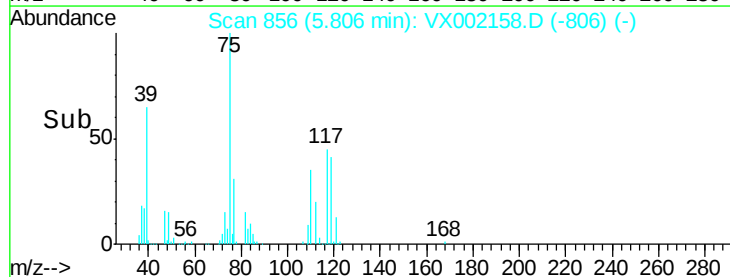
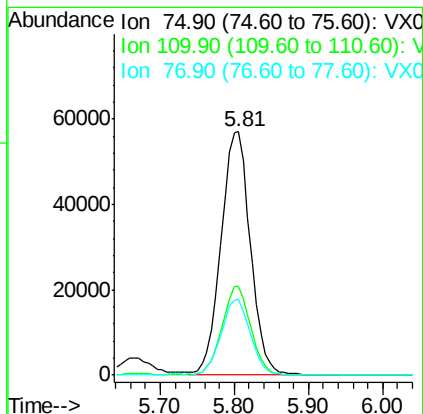
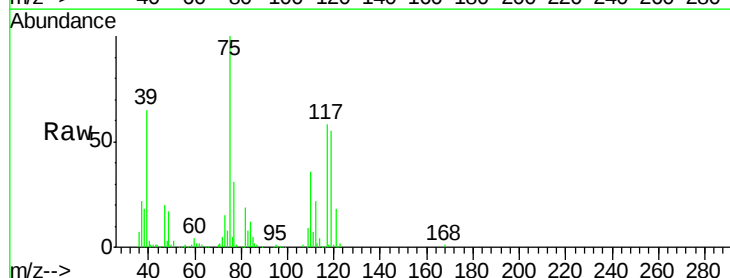
RT: 5.81 min Scan# 856

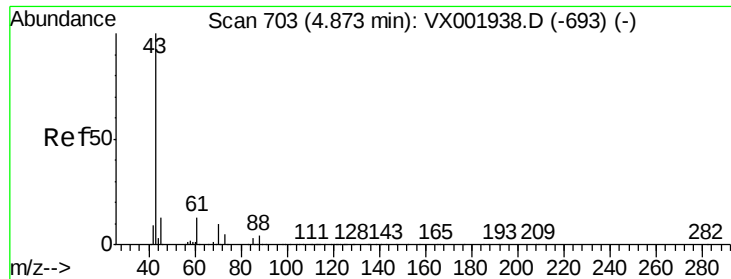
Delta R.T. 0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion:	75	Resp:	156362
Ion Ratio	Lower	Upper	
75	100		
110	35.9	17.4	52.2
77	31.1	24.4	36.6





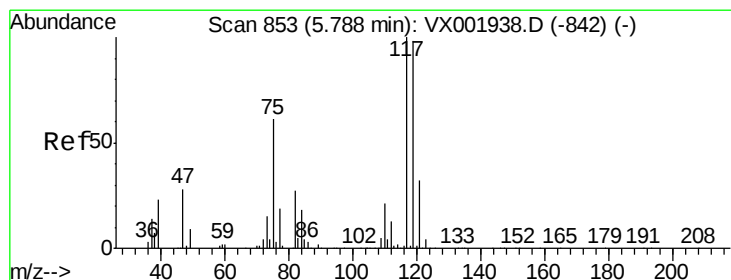
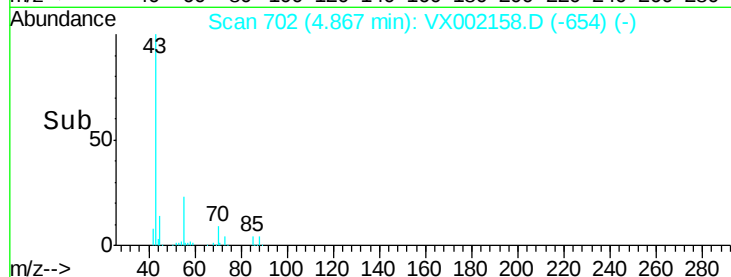
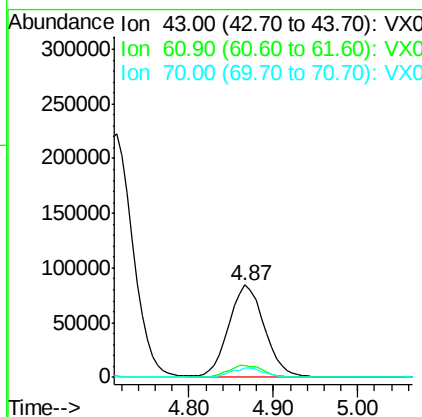
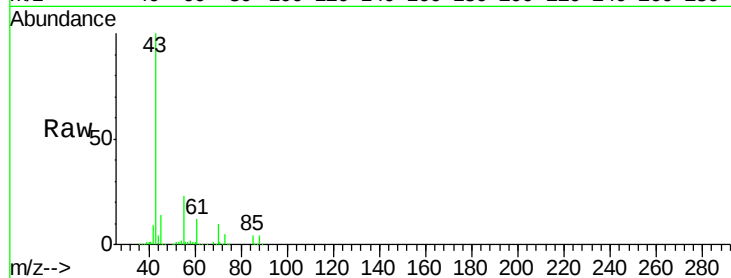
#37
Ethyl Acetate
Concen: 51.84 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	9.4	7.8	11.8

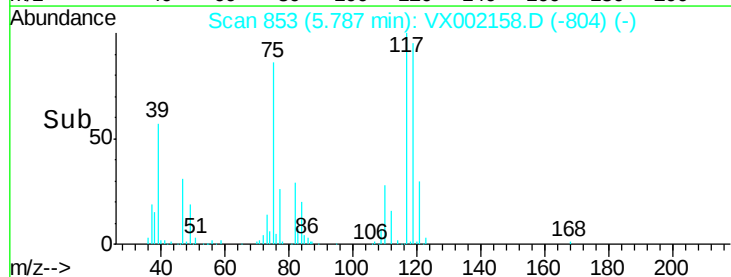
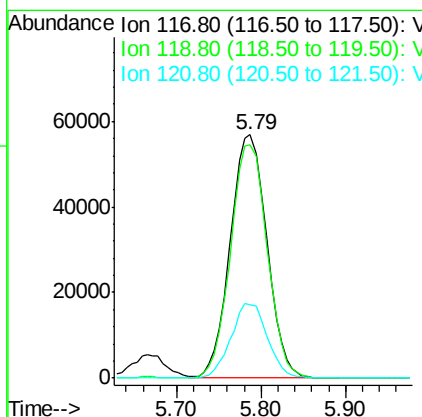
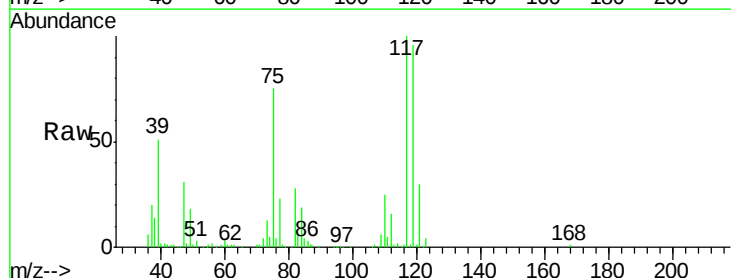
Manual Integrations
APPROVED

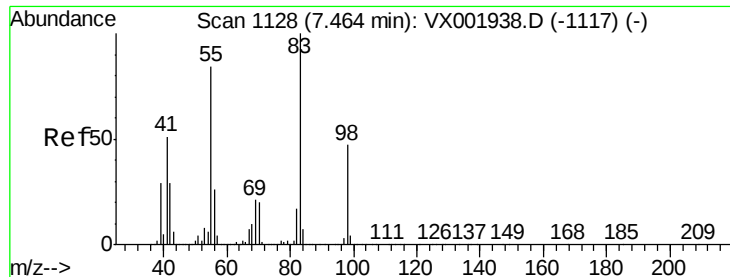
MMDadoda
5/31/2018 3:07:48 PM



#38
Carbon Tetrachloride
Concen: 40.18 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.5	117.7
121	30.3	25.5	38.3





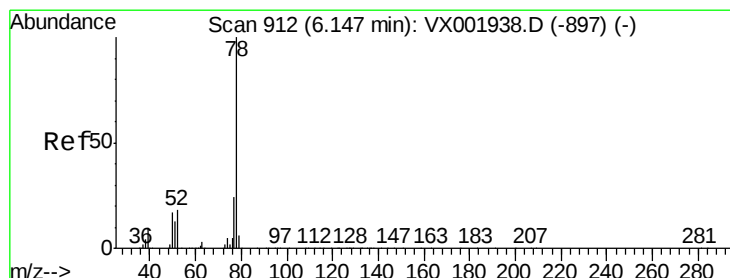
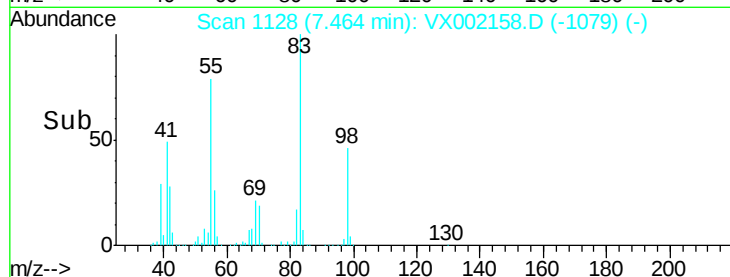
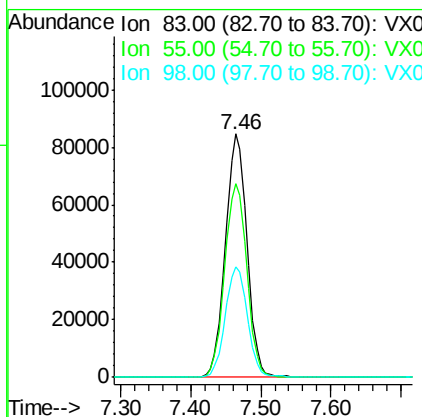
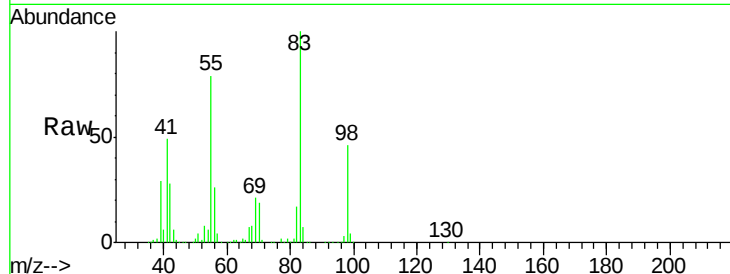
#39
Methvlcvclohexane
Concen: 41.25 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	67.3	100.9
98	45.6	37.5	56.3

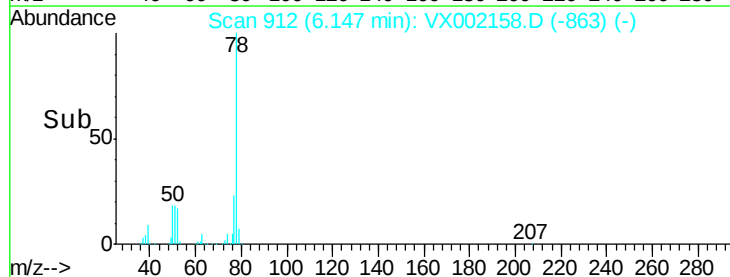
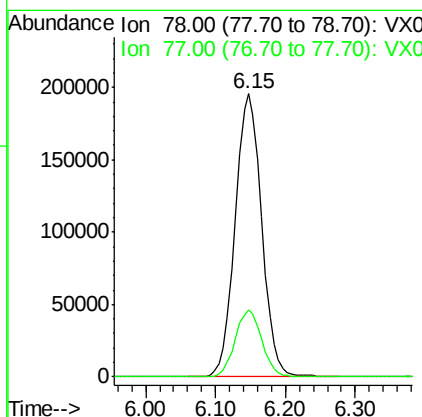
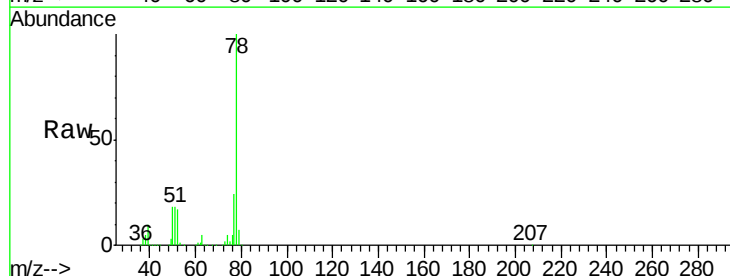
Manual Integrations
APPROVED

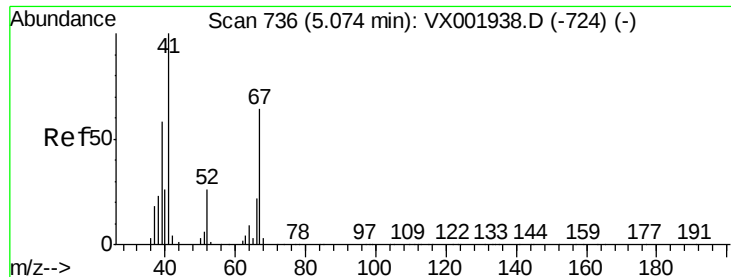
MMDadoda
5/31/2018 3:07:48 PM



#40
Benzene
Concen: 48.90 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





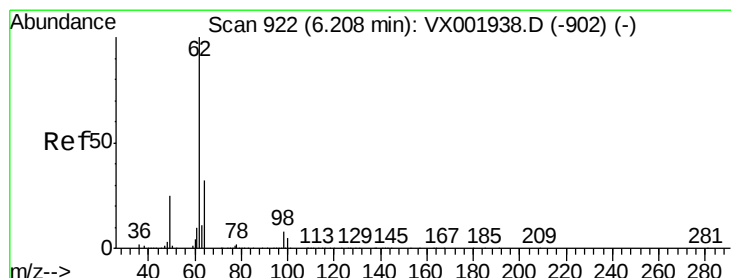
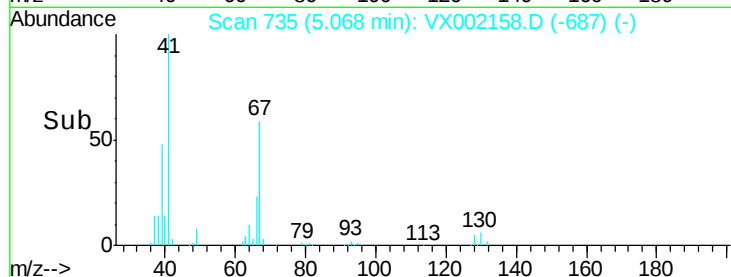
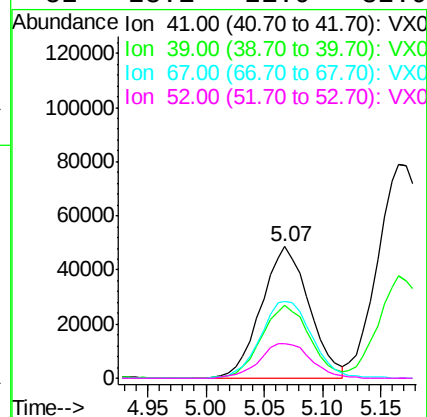
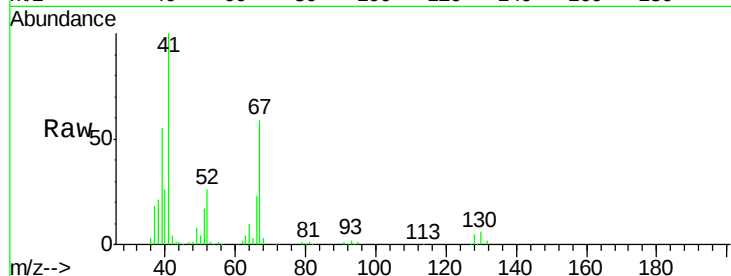
#41
Methacrylonitrile
Concen: 55.98 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.3	46.0	69.0		
67	63.2	50.6	75.8		
52	28.1	21.9	32.9		

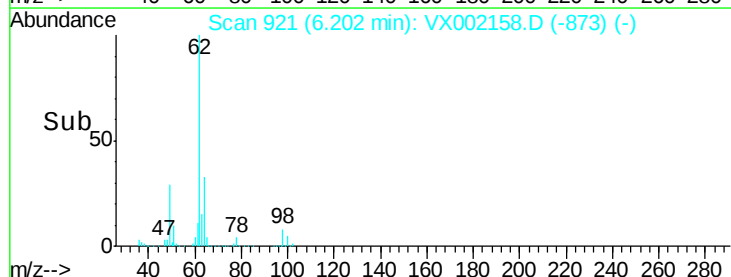
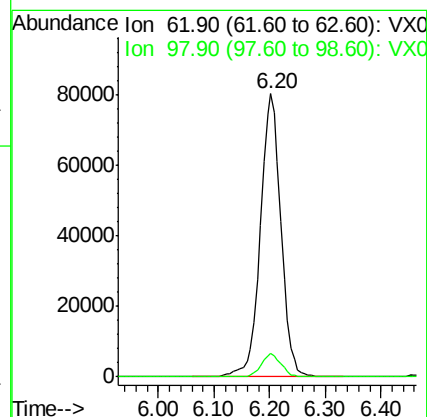
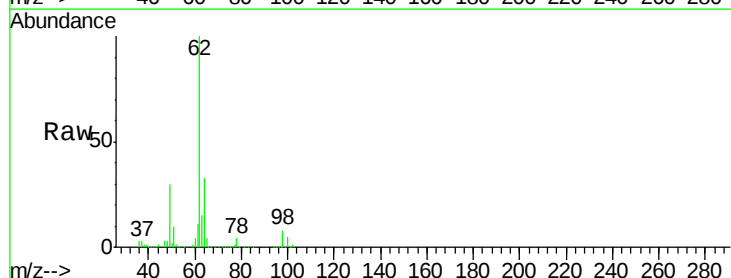
Manual Integrations
APPROVED

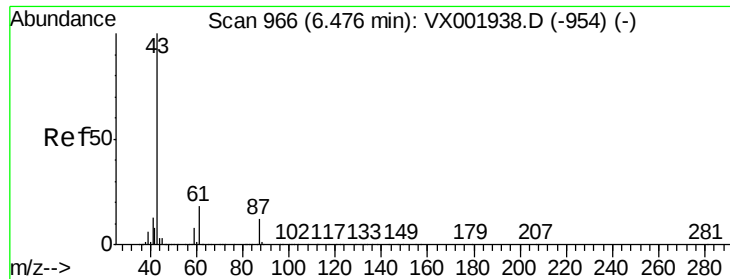
MMDadoda
5/31/2018 3:07:48 PM



#42
1,2-Dichloroethane
Concen: 49.73 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.0	0.0	17.0		





#43

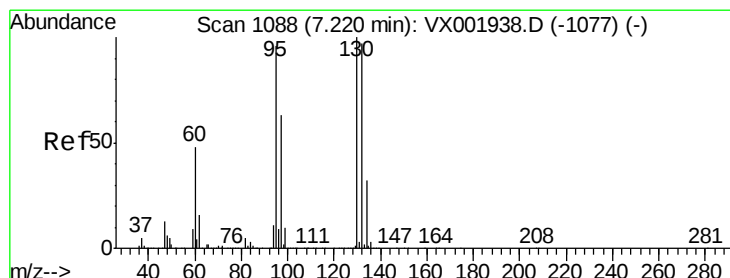
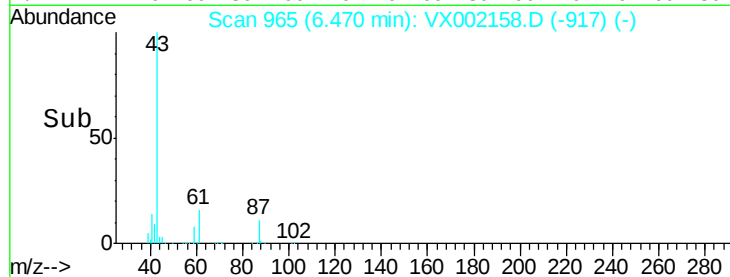
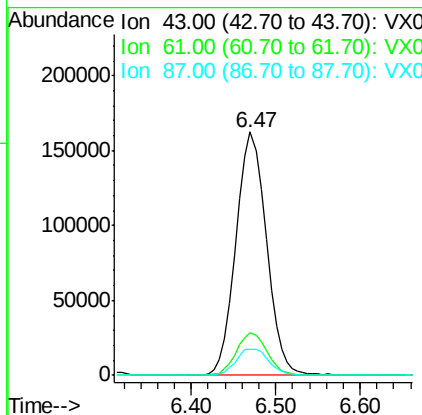
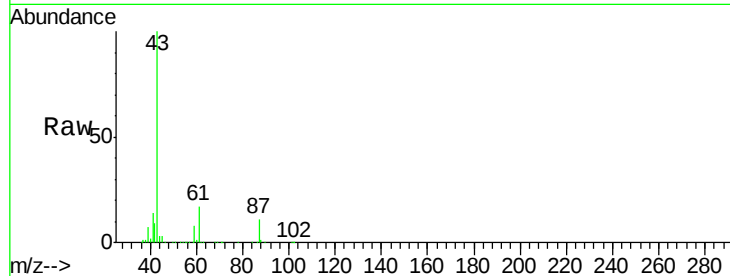
Isopropyl Acetate
 Concen: 50.79 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	11.7	9.5	14.3

Manual Integrations
 APPROVED

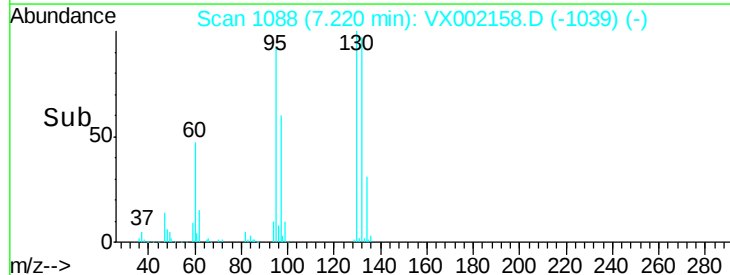
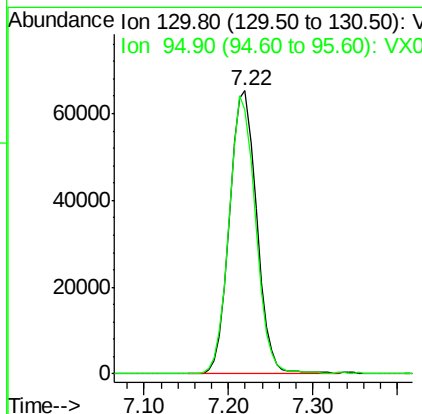
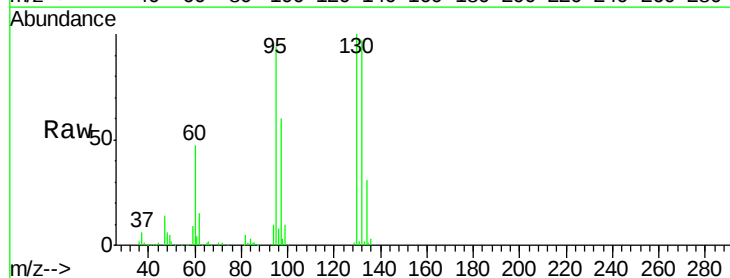
MMDadoda
 5/31/2018 3:07:48 PM

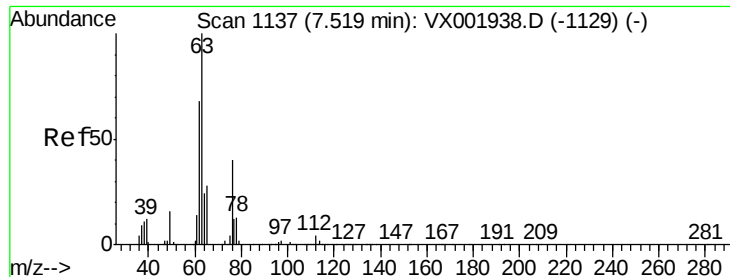


#44

Trichloroethene
 Concen: 46.23 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	192.0





#45

1,2-Dichloropropane

Concen: 49.47 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 141361

Ion Ratio Lower Upper

63 100

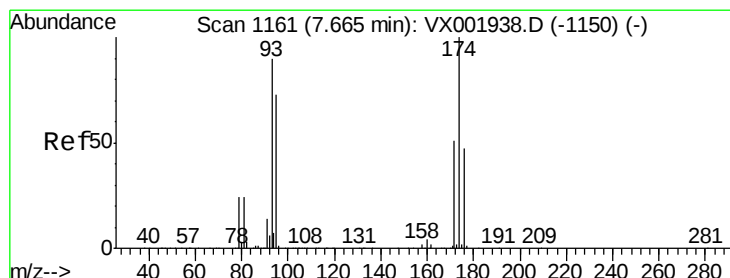
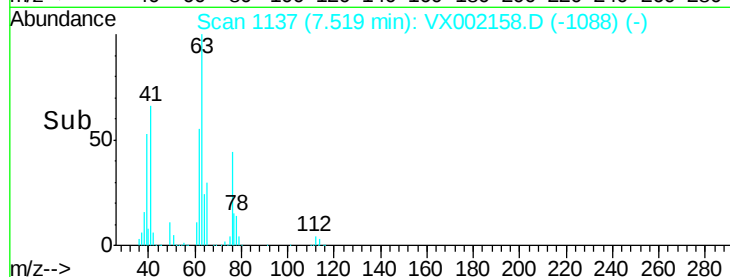
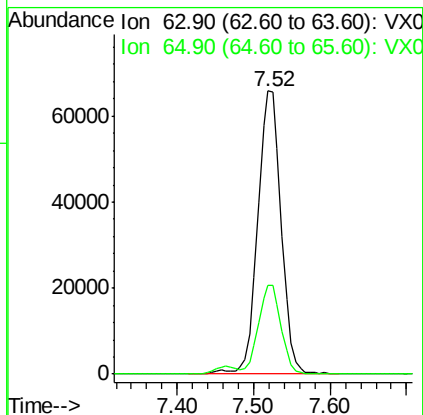
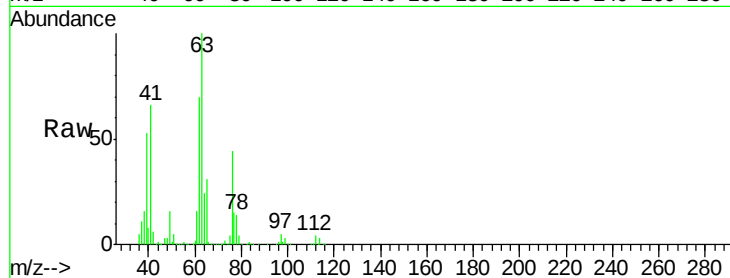
65 31.3 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#46

Dibromomethane

Concen: 49.47 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

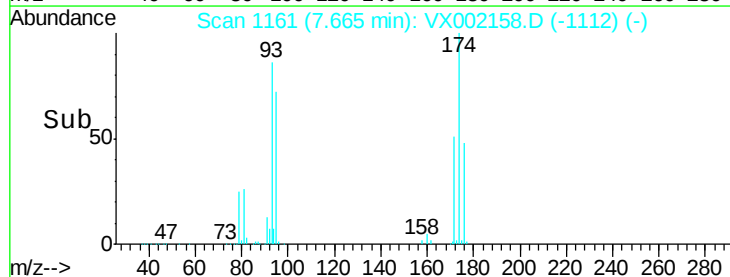
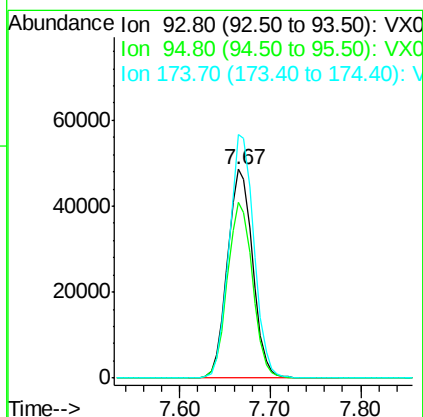
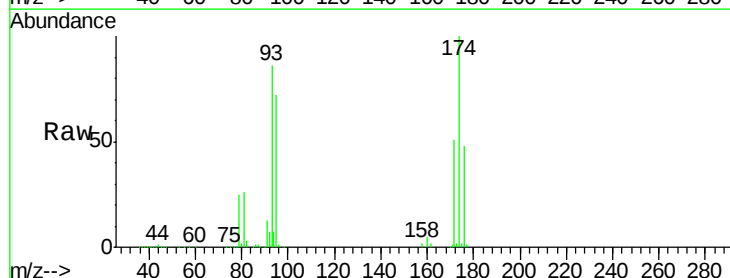
Tgt Ion: 93 Resp: 93603

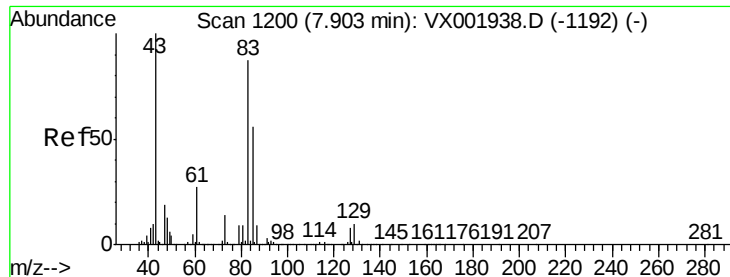
Ion Ratio Lower Upper

93 100

95 84.0 66.1 99.1

174 115.6 92.5 138.7





#47

Bromodichloromethane

Concen: 43.74 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

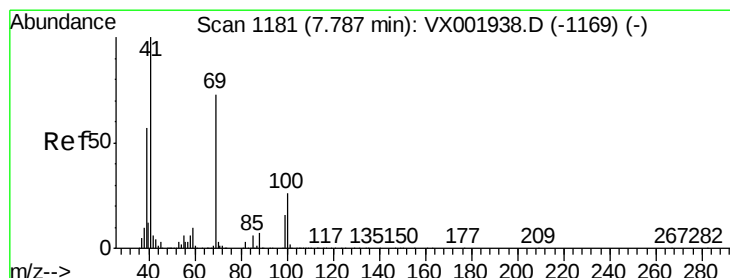
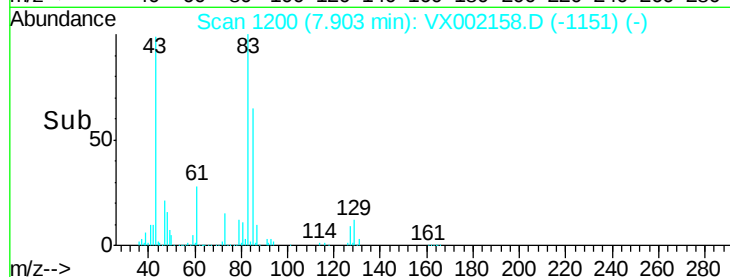
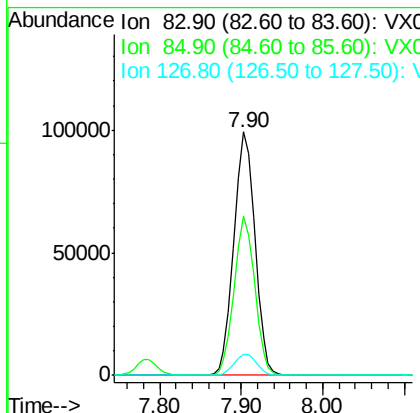
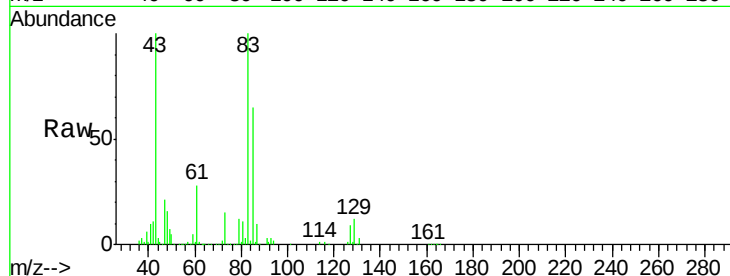
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176439
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2
127	8.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



#48

Methyl methacrylate

Concen: 51.16 ug/l

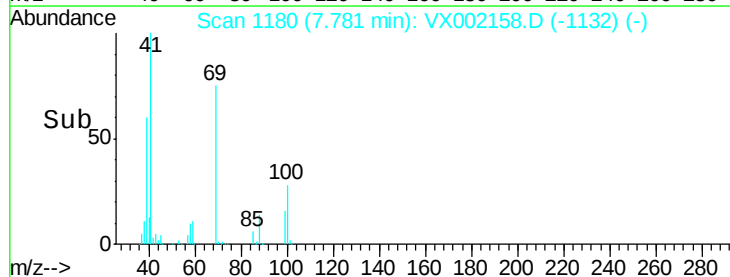
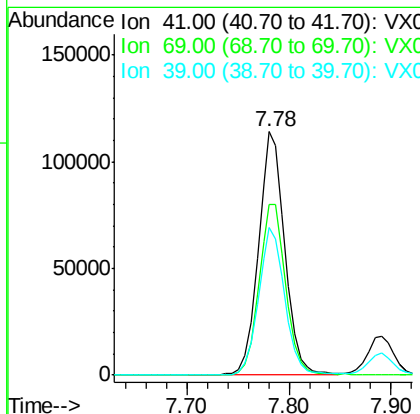
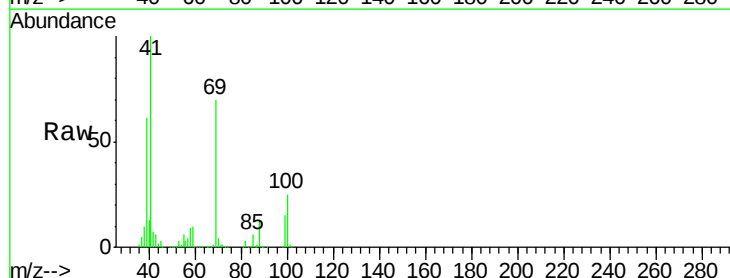
RT: 7.78 min Scan# 1180

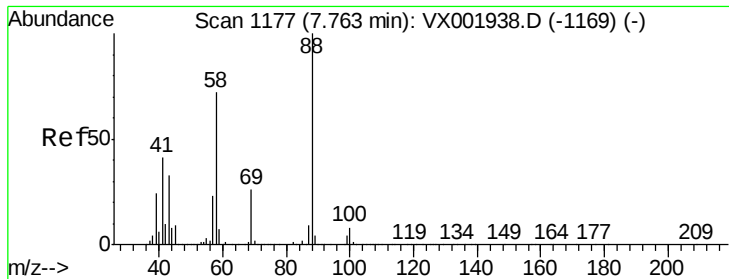
Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion:	41	Resp:	203146
Ion	Ratio	Lower	Upper
41	100		
69	72.3	58.6	87.8
39	60.5	46.3	69.5





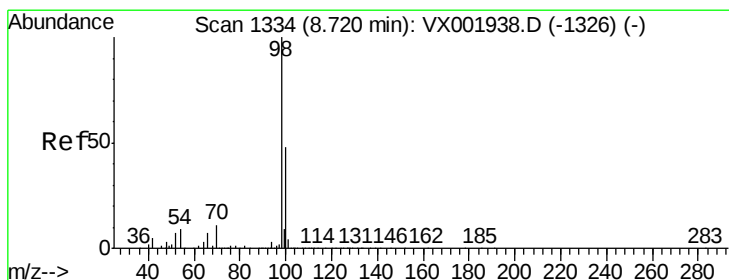
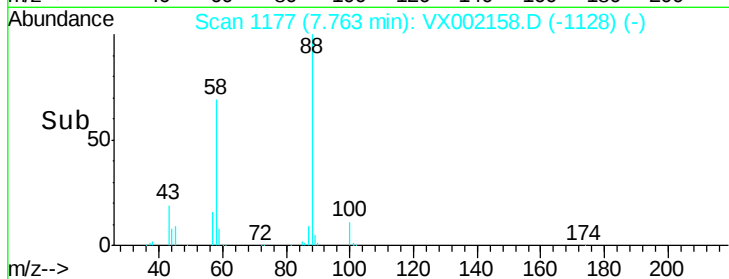
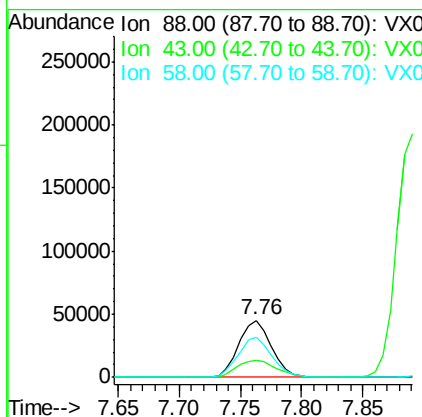
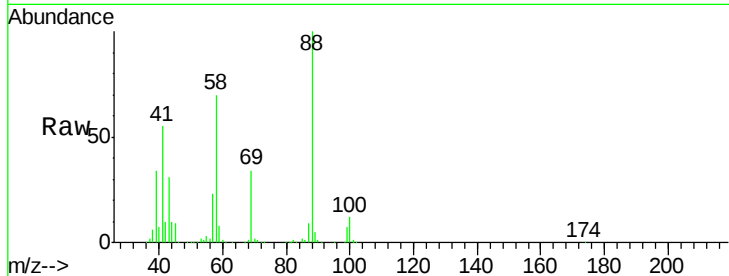
#49
1,4-Dioxane
Concen: 1196.91 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.8	44.8
58	72.3	58.7	88.1

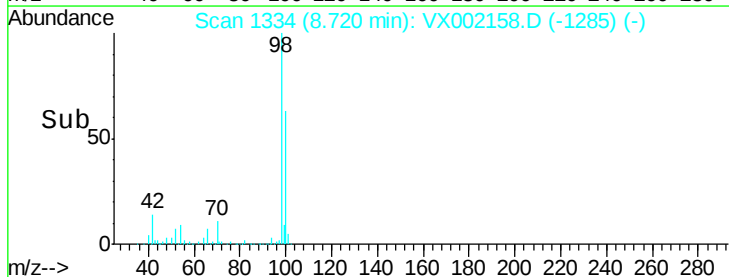
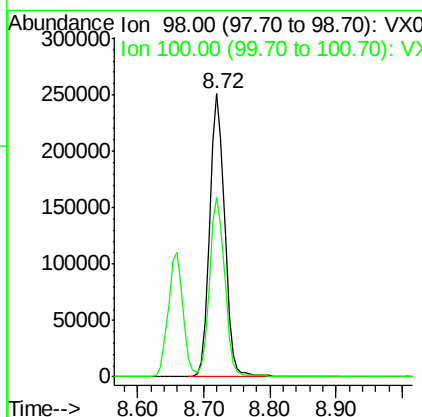
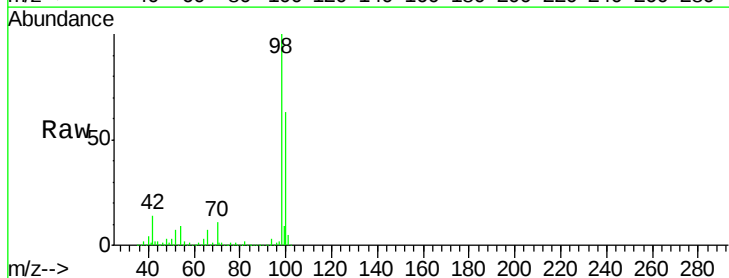
Manual Integrations
APPROVED

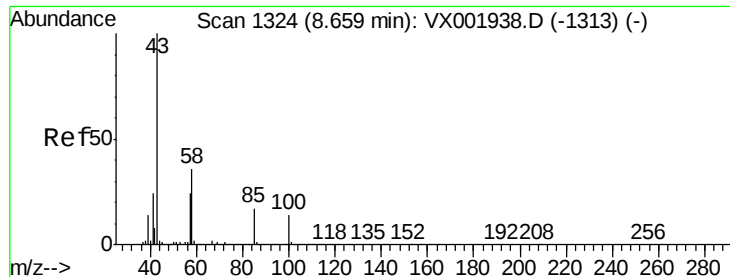
MMDadoda
5/31/2018 3:07:48 PM



#50
Toluene-d8
Concen: 42.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 280.22 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tot Ion: 43 Resp: 1317922

Ion Ratio Lower Upper

43 100

58 35.4 28.5 42.7

Instrument :

MSVOA_X

ClientSampleId :

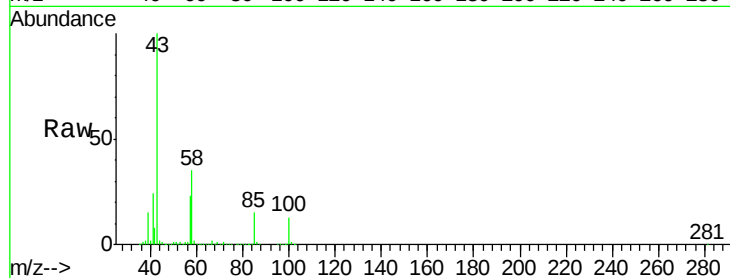
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

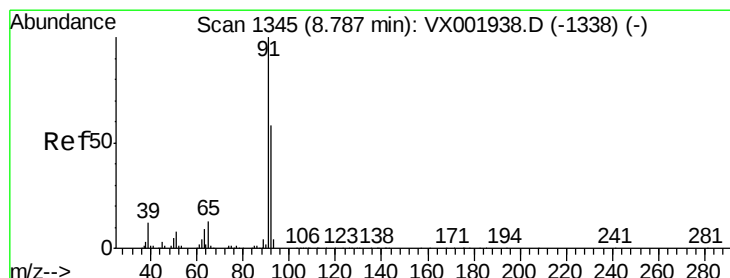
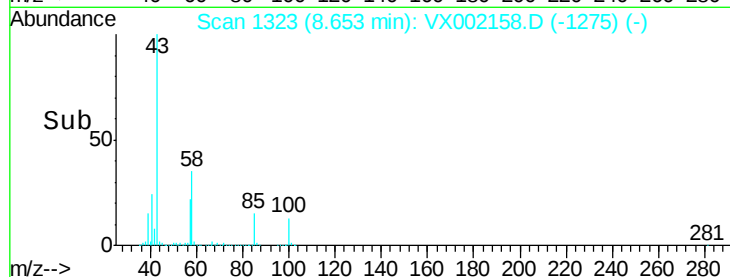
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002158.D

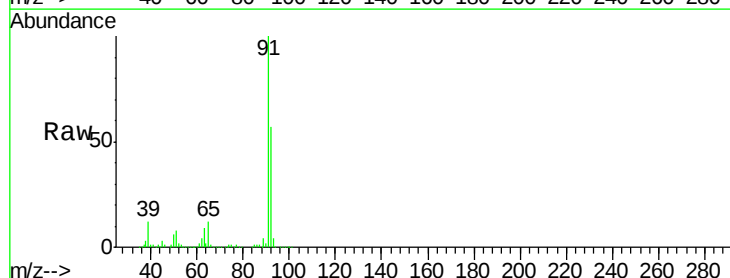
Acq: 31 May 2018 01:17

Tgt Ion: 92 Resp: 325385

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

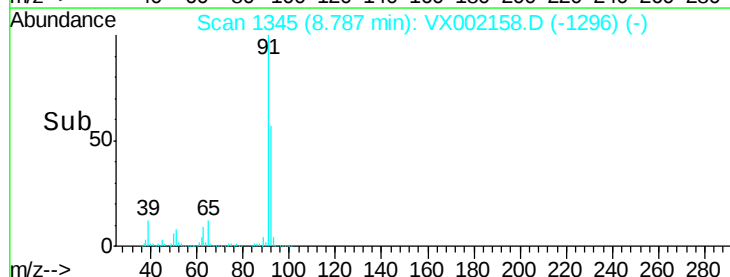
300000

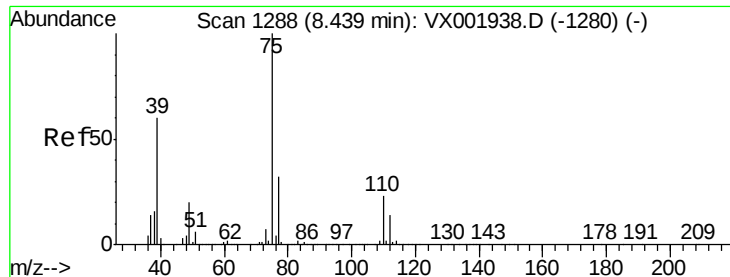
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.30 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tot Ion: 75 Resp: 205812

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

Instrument :

MSVOA_X

ClientSampled :

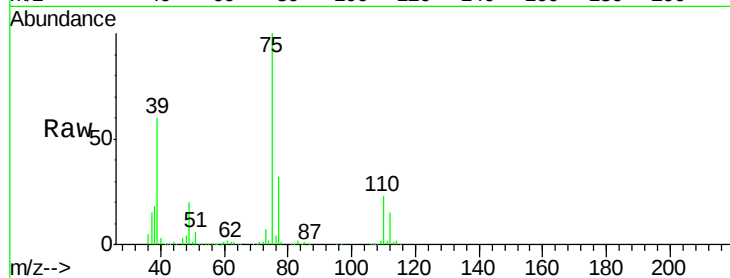
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

150000

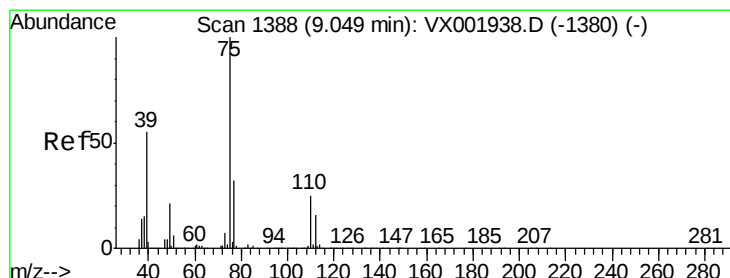
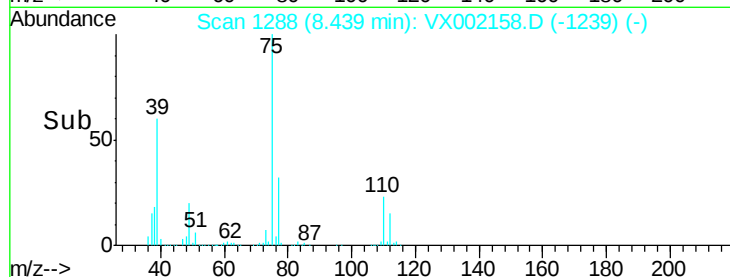
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.44 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

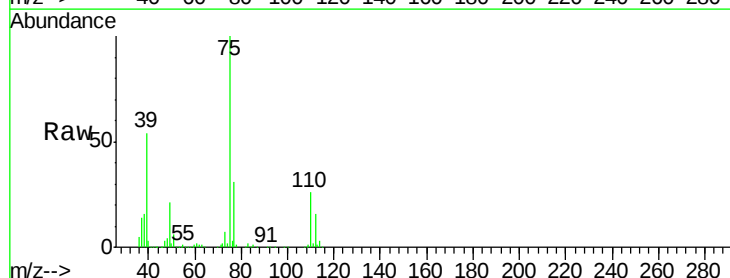
Tgt Ion: 75 Resp: 196662

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 54.0 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

150000

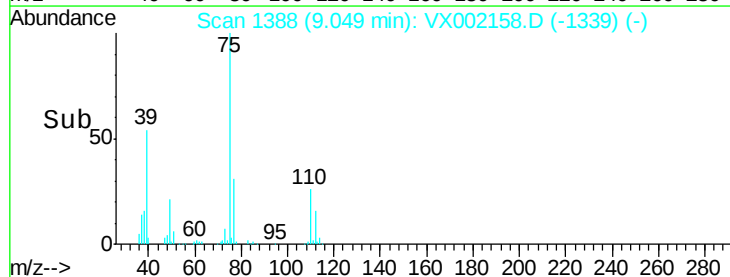
100000

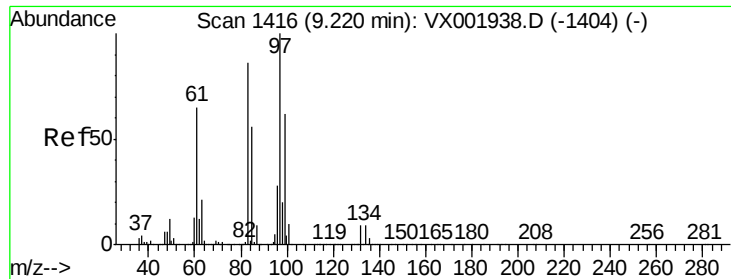
50000

0

8.95 9.00 9.05 9.10 9.15

Time-->





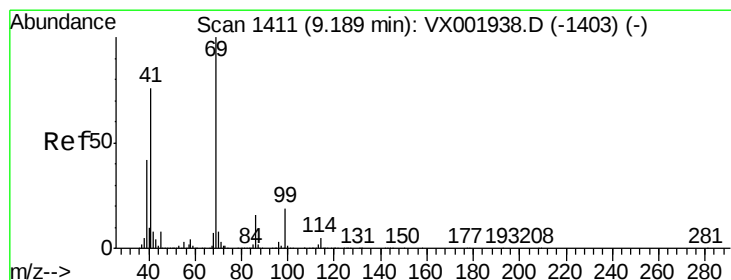
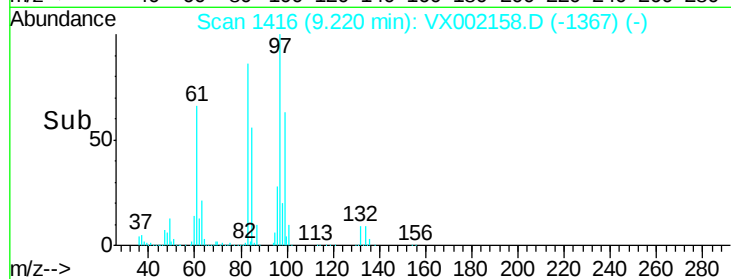
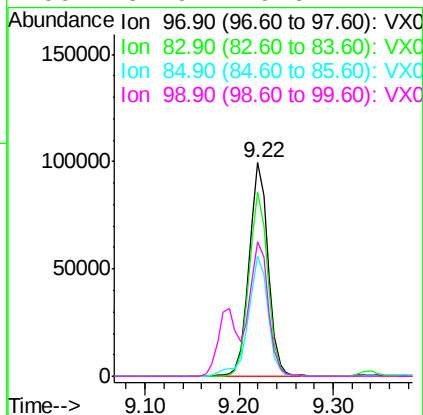
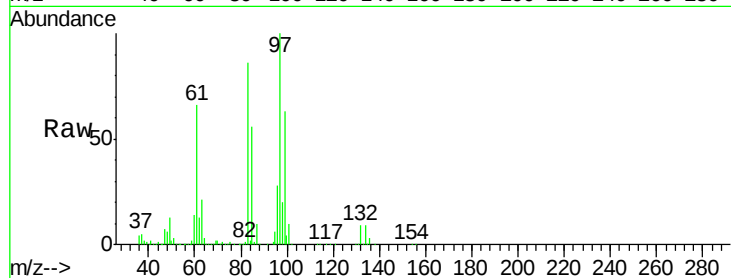
#55
 1,1,2-Trichloroethane
 Concen: 50.55 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	141412
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.1	103.7
85	56.1	45.2	67.8
99	62.9	49.6	74.4

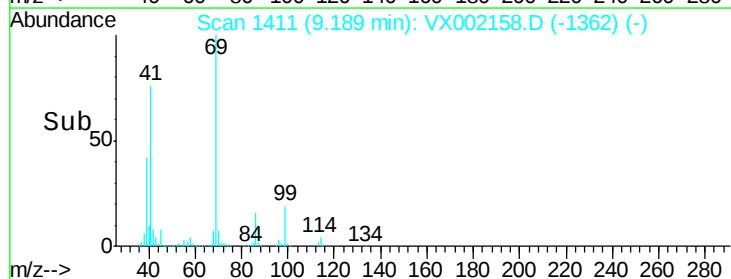
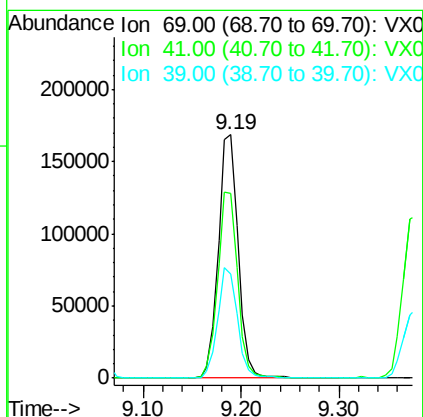
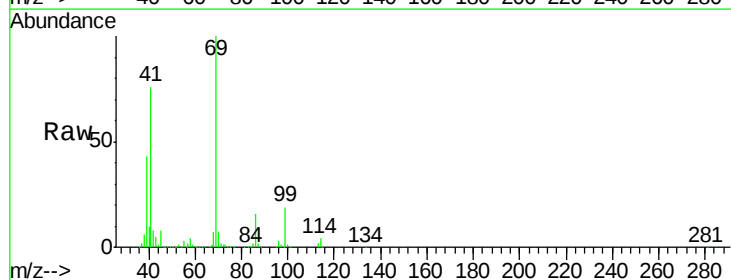
Manual Integrations
 APPROVED

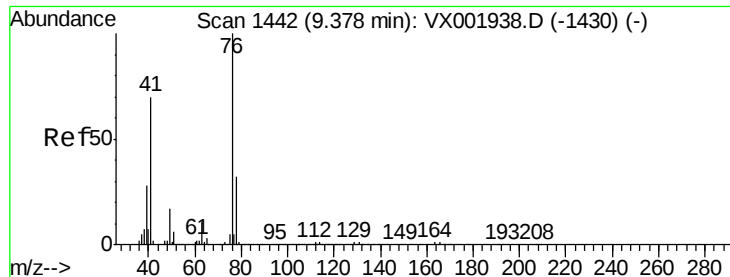
MMDadoda
 5/31/2018 3:07:48 PM



#56
 Ethyl methacrylate
 Concen: 49.33 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion:	69	Resp:	237352
Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.0	91.6
39	45.2	34.4	51.6





#57

1,3-Dichloropropane

Concen: 50.98 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tot Ion: 76 Resp: 234964

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4

Instrument :

MSVOA_X

ClientSampleId :

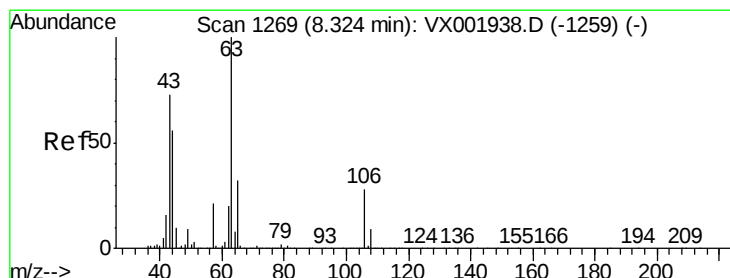
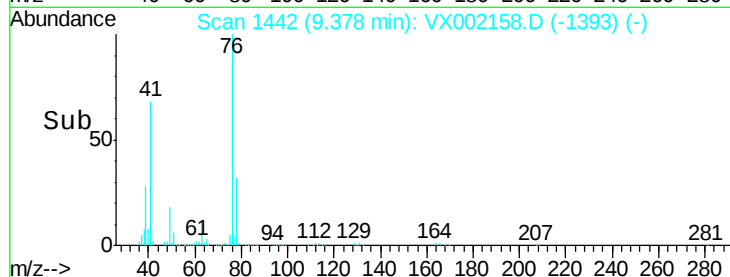
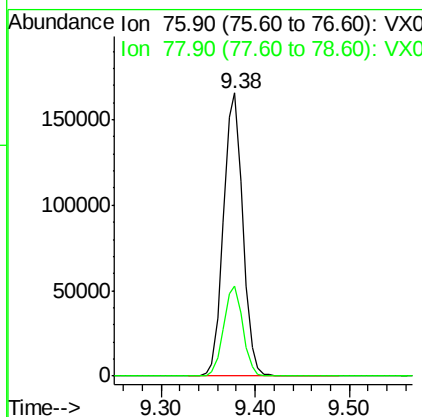
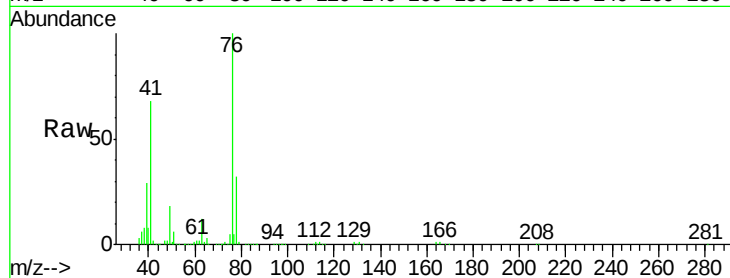
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 246.43 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002158.D

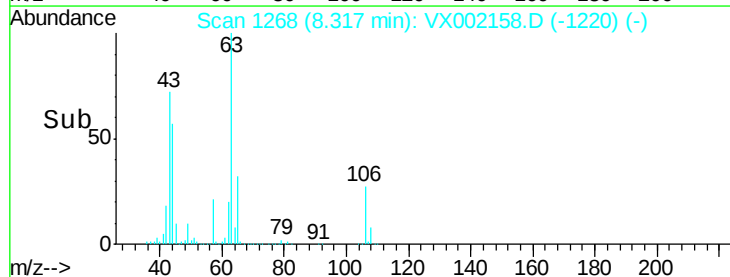
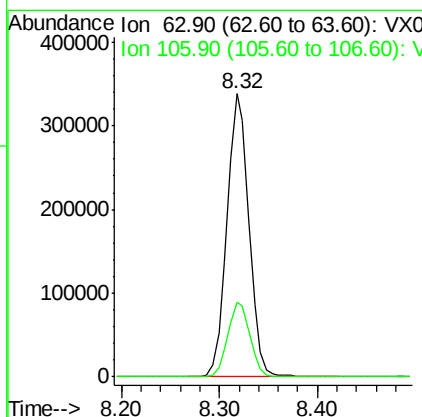
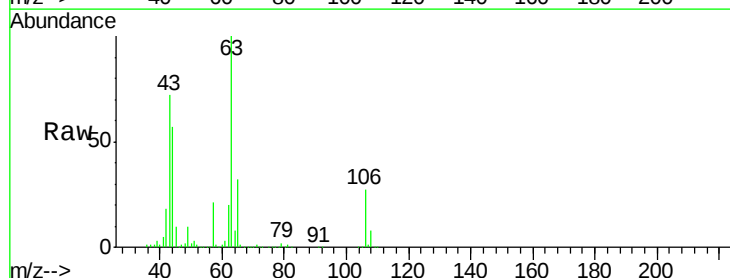
Acq: 31 May 2018 01:17

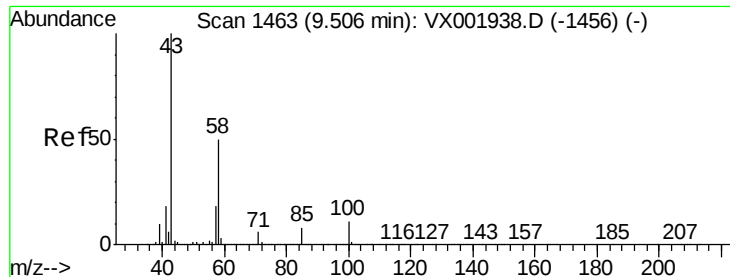
Tgt Ion: 63 Resp: 525564

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5





#59

2-Hexanone

Concen: 285.57 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1035619

Ion Ratio Lower Upper

43 100

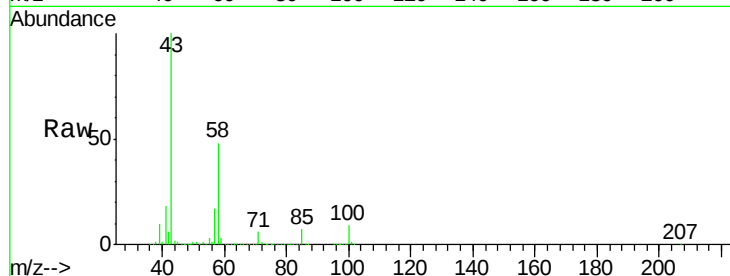
58 49.0 24.9 74.6

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VX001938.D (-1456) (-)

Ion 58.00 (57.70 to 58.70): VX001938.D (-1456) (-)

800000

600000

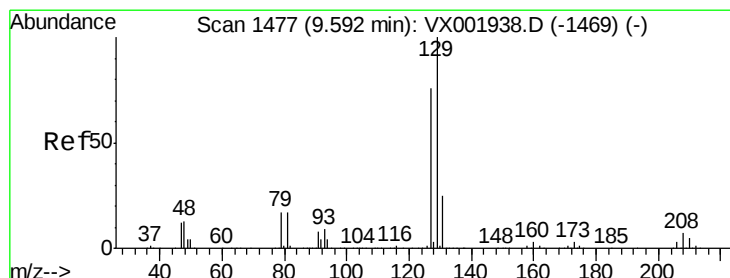
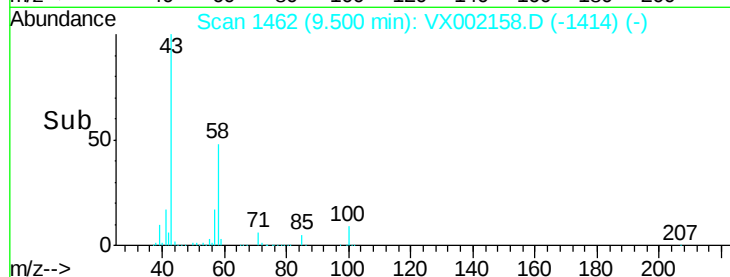
400000

200000

0

9.40 9.50 9.60

Time-->



#60

Dibromochloromethane

Concen: 44.32 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX002158.D

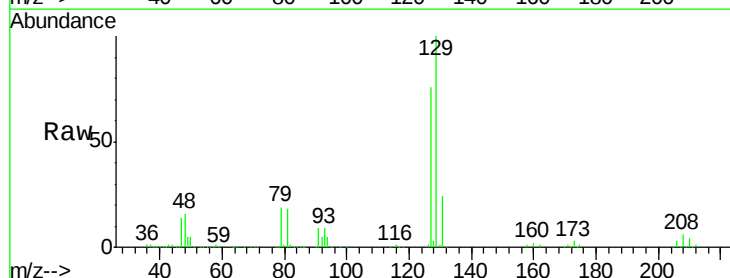
Acq: 31 May 2018 01:17

Tgt Ion: 129 Resp: 146861

Ion Ratio Lower Upper

129 100

127 77.1 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VX001938.D (-1469) (-)

Ion 126.80 (126.50 to 127.50): VX001938.D (-1469) (-)

120000

100000

80000

60000

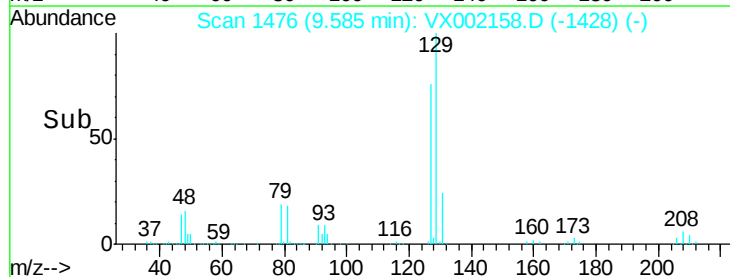
40000

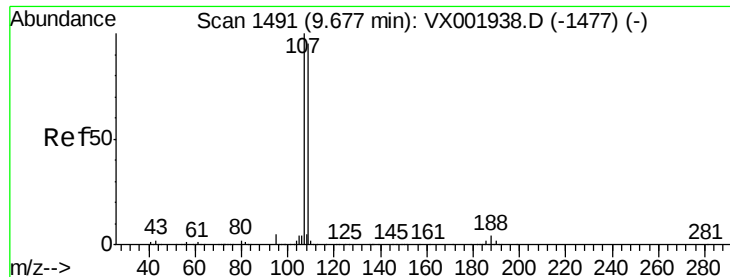
20000

0

9.50 9.55 9.60 9.65

Time-->





#61

1,2-Dibromoethane

Concen: 51.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 151461

Ion Ratio Lower Upper

107 100

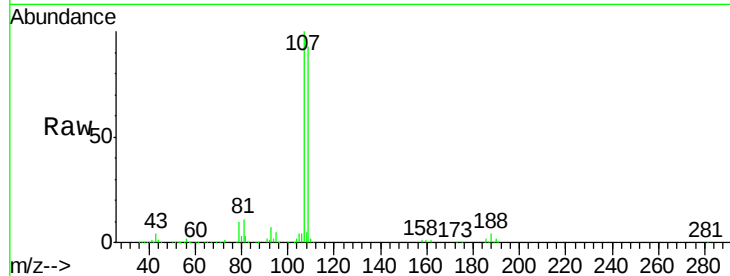
109 94.0 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

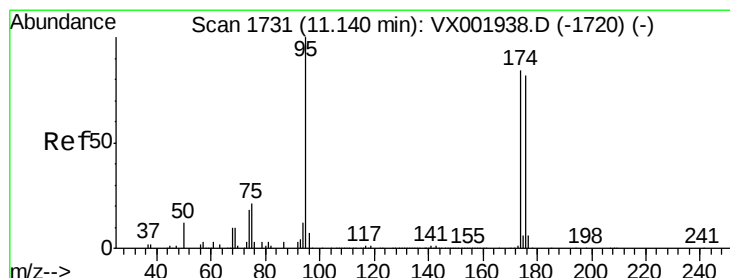
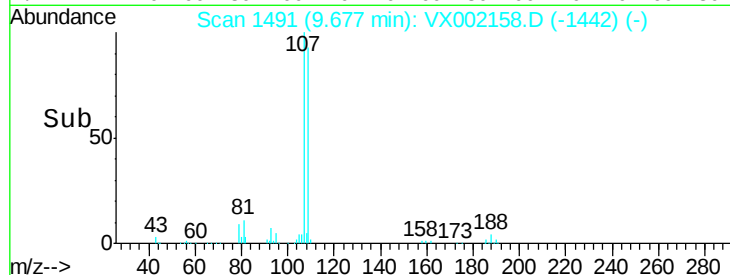
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

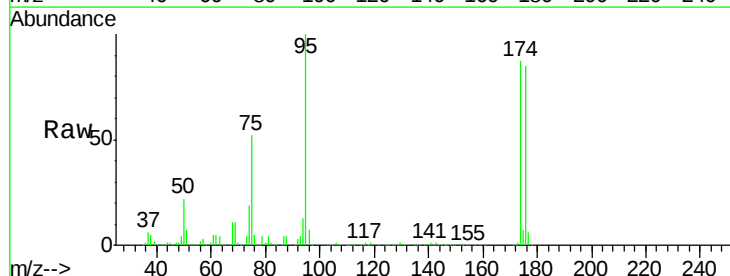
Tgt Ion: 95 Resp: 157259

Ion Ratio Lower Upper

95 100

174 92.9 0.0 178.8

176 89.6 0.0 175.6



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

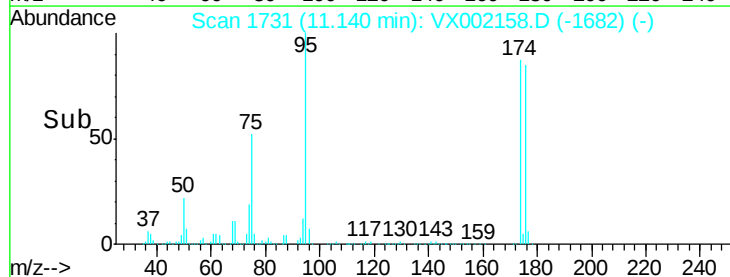
150000

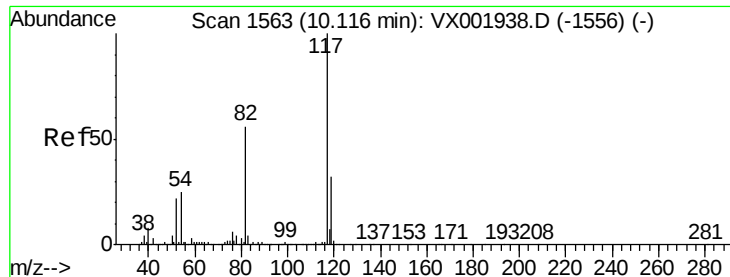
100000

50000

0

Time-->





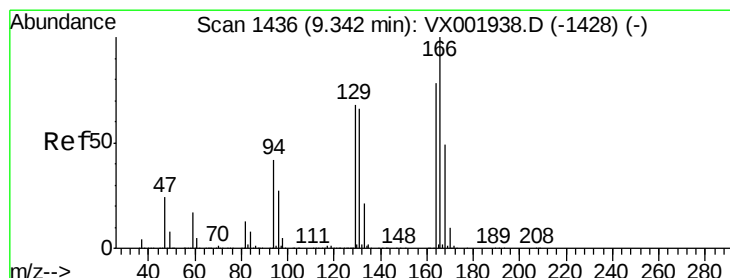
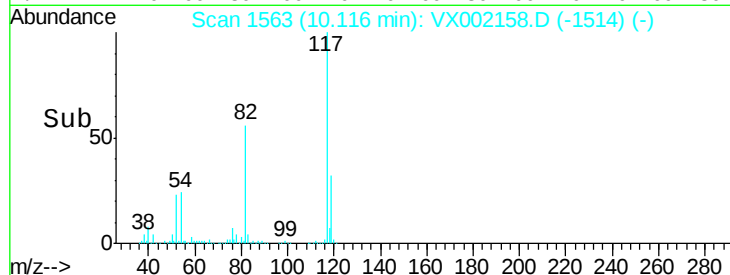
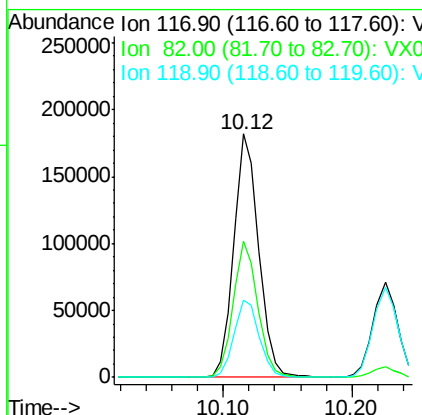
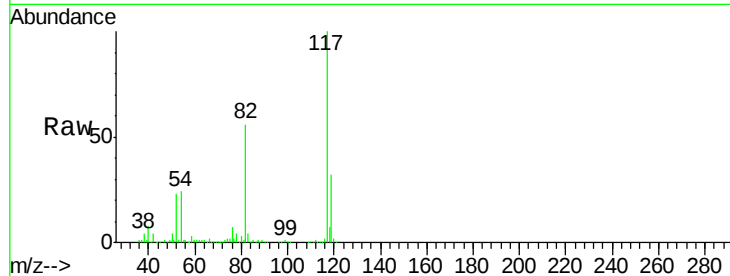
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246014		
82	55.7	44.8	67.2	
119	31.9	25.5	38.3	

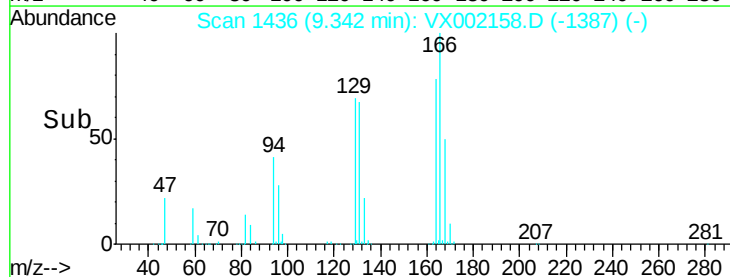
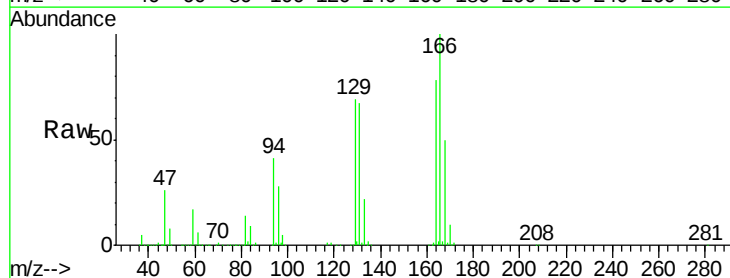
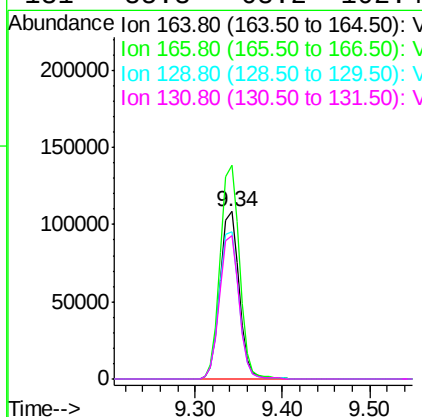
Manual Integrations
APPROVED

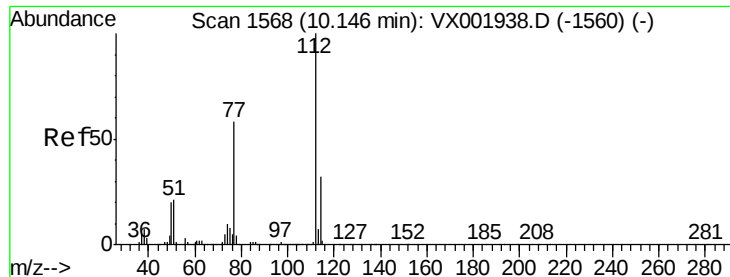
MMDadoda
5/31/2018 3:07:48 PM



#64
Tetrachloroethene
Concen: 46.45 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	163846		
166	127.6	102.7	154.1	
129	88.0	70.3	105.5	
131	85.3	68.2	102.4	





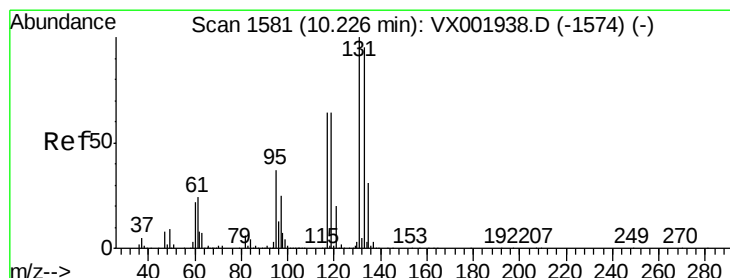
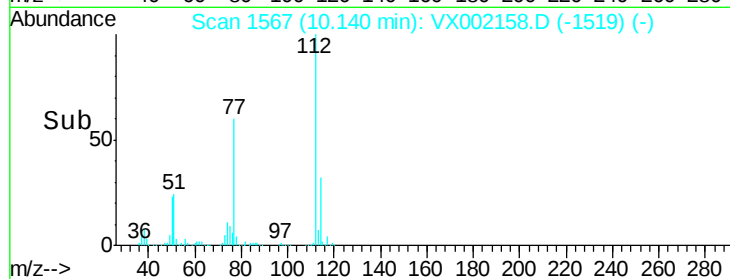
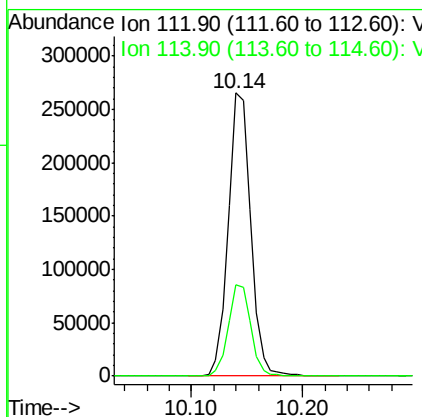
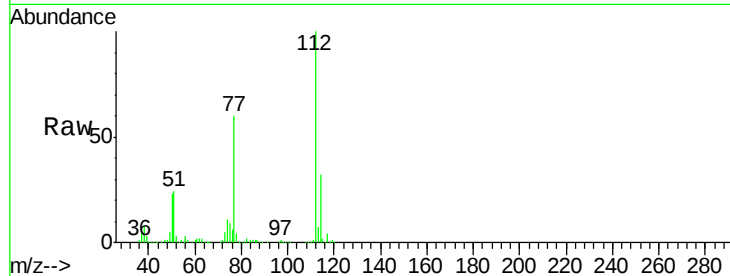
#65
Chlorobenzene
Concen: 47.62 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9

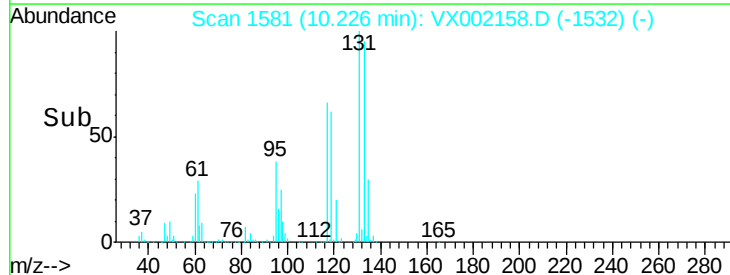
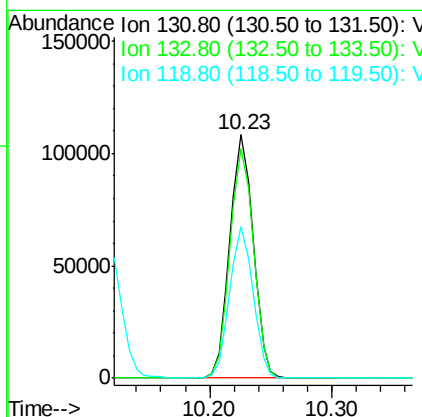
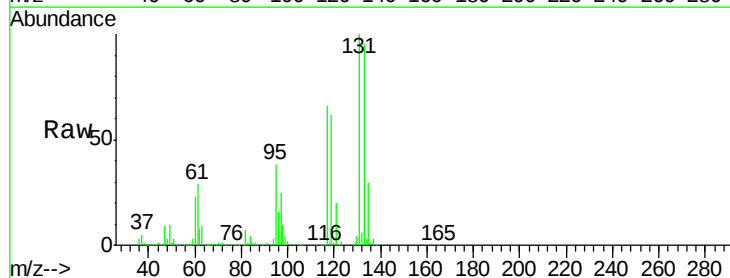
Manual Integrations
APPROVED

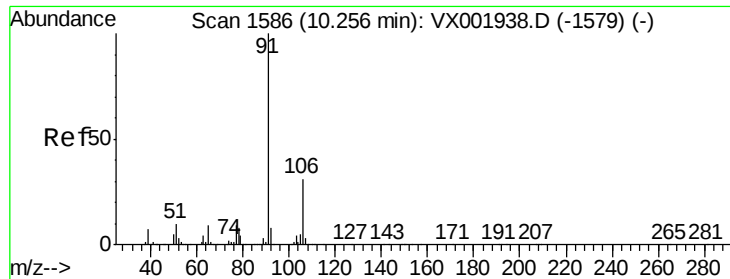
MMDadoda
5/31/2018 3:07:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.60 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.0	144.0
119	62.2	31.9	95.5





#67

Ethyl Benzene

Concen: 46.97 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 636141

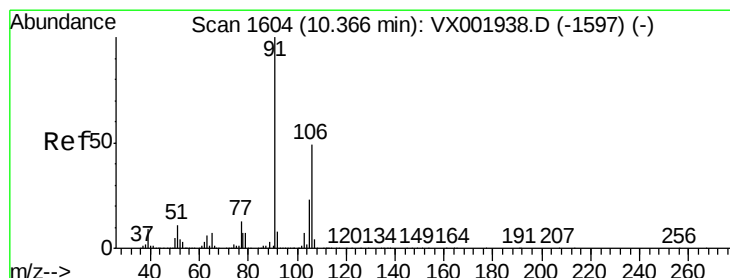
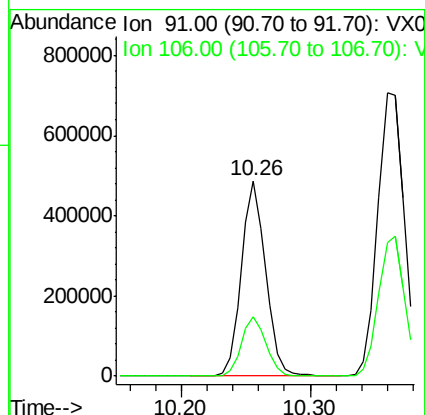
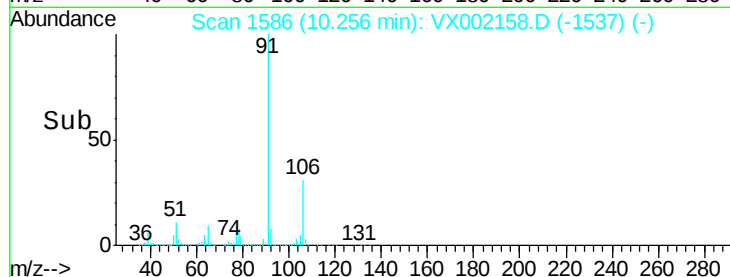
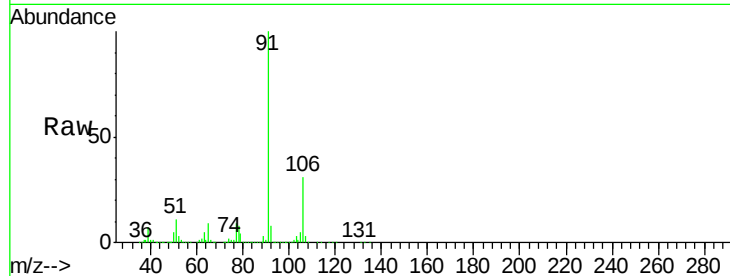
Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



#68

m/p-Xylenes

Concen: 94.78 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002158.D

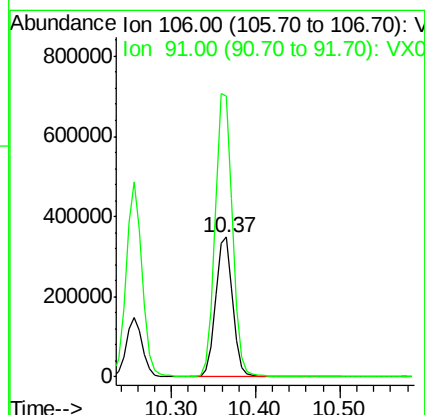
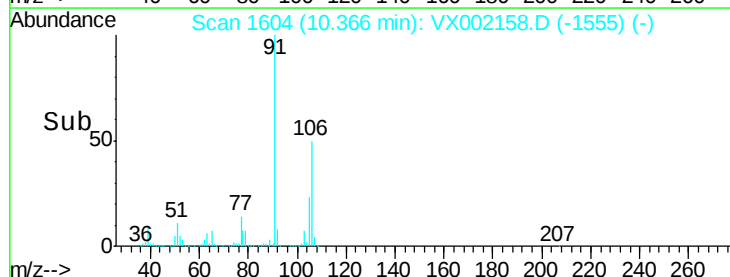
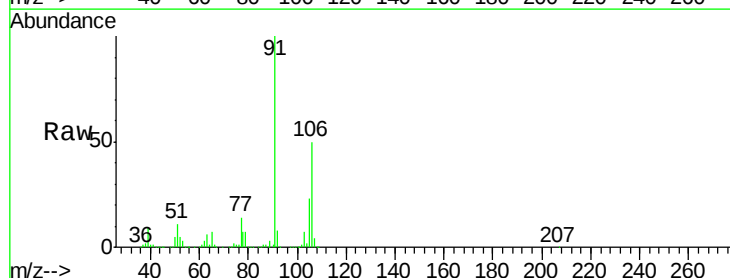
Acq: 31 May 2018 01:17

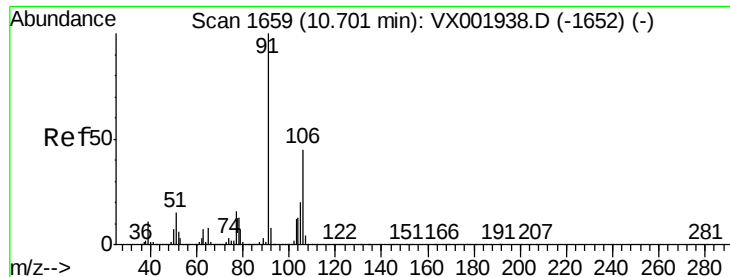
Tgt Ion: 106 Resp: 490648

Ion Ratio Lower Upper

106 100

91 206.5 165.0 247.6





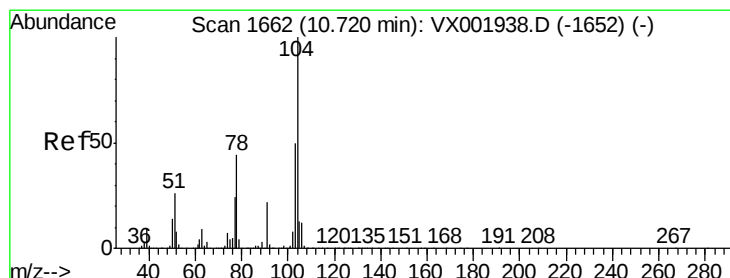
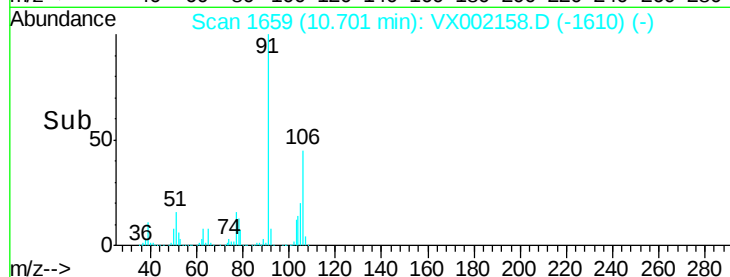
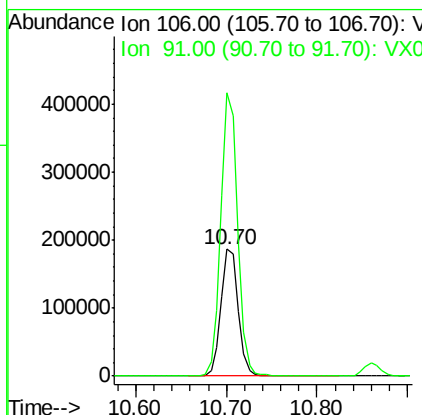
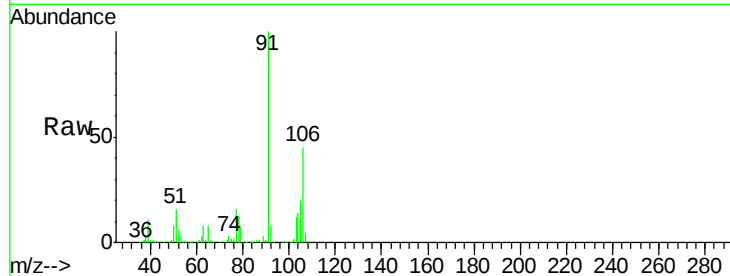
#69
o-Xylene
Concen: 48.09 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.9	108.7	325.9

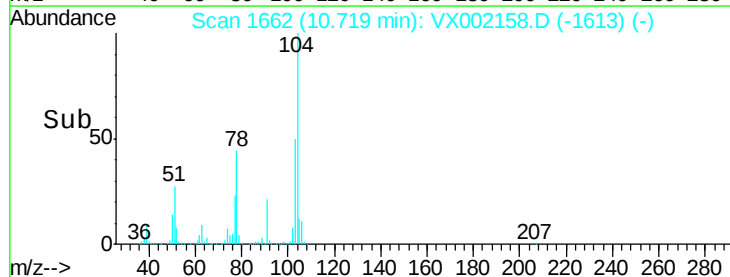
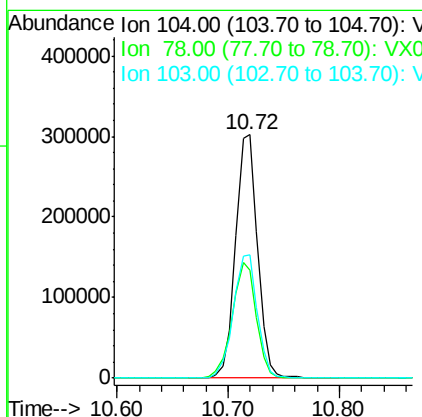
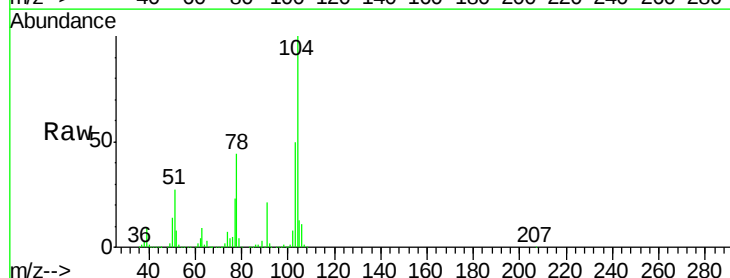
Manual Integrations
APPROVED

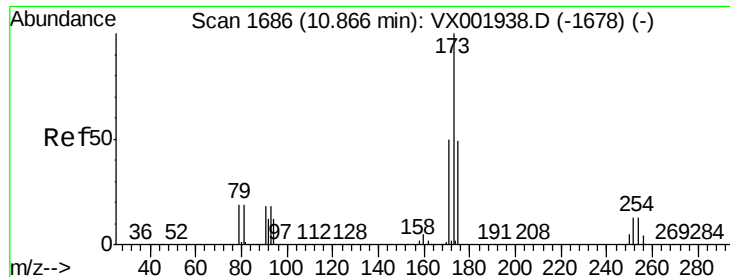
MMDadoda
5/31/2018 3:07:48 PM



#70
Styrene
Concen: 48.30 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.8	62.6
103	55.7	44.6	67.0





#71

Bromoform

Concen: 40.11 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 119712

Ion Ratio Lower Upper

173 100

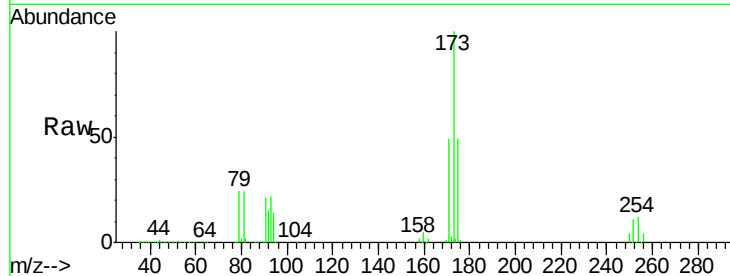
175 49.5 24.3 72.9

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

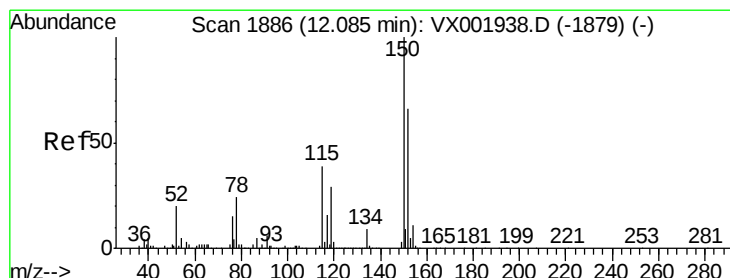
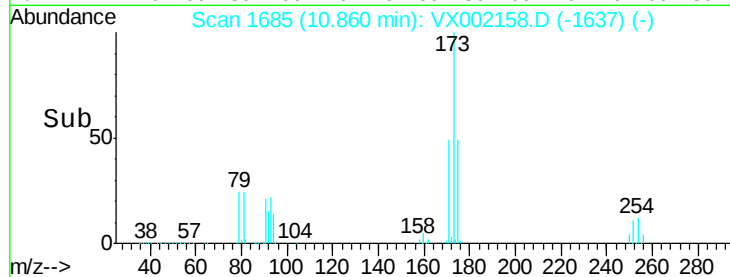
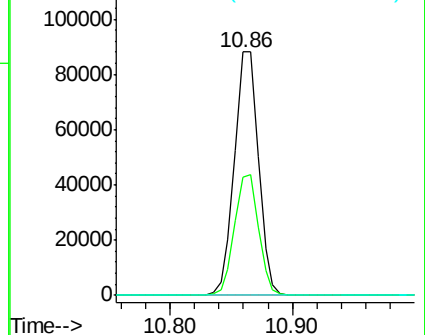
5/31/2018 3:07:48 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

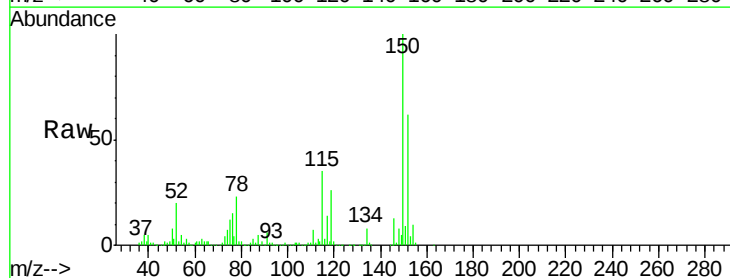
Tgt Ion:152 Resp: 161171

Ion Ratio Lower Upper

152 100

115 83.1 42.3 126.8

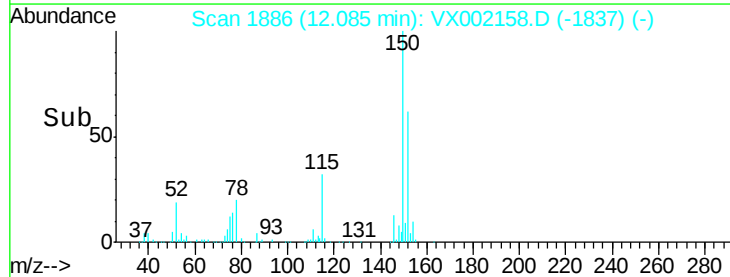
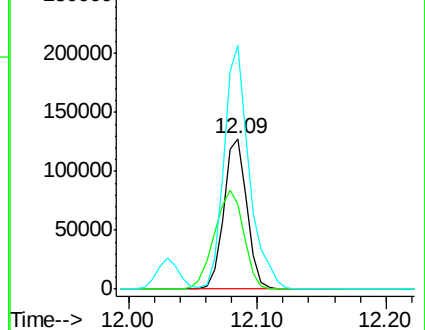
150 176.6 0.0 351.0

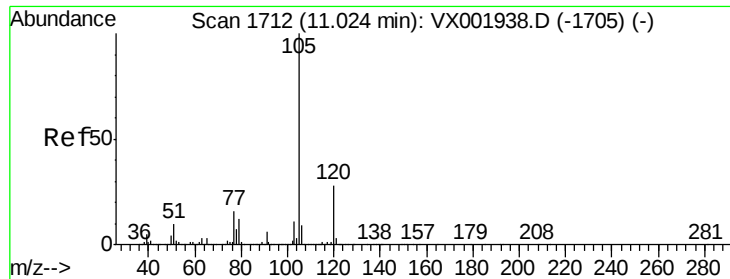


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





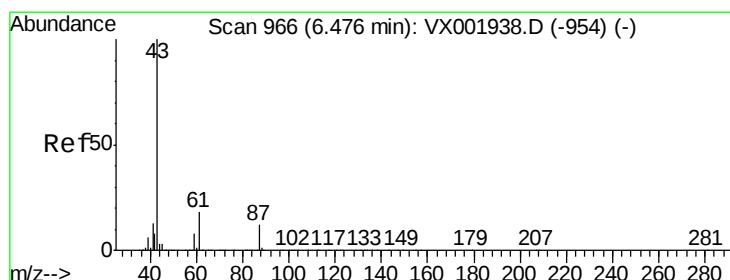
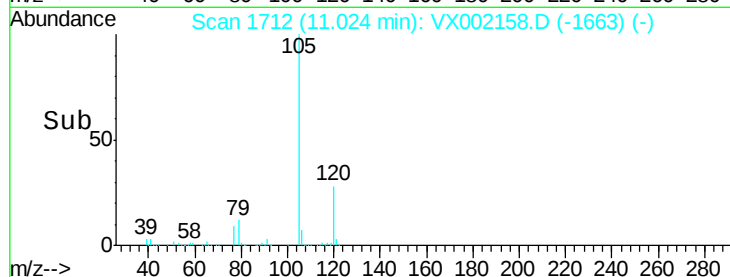
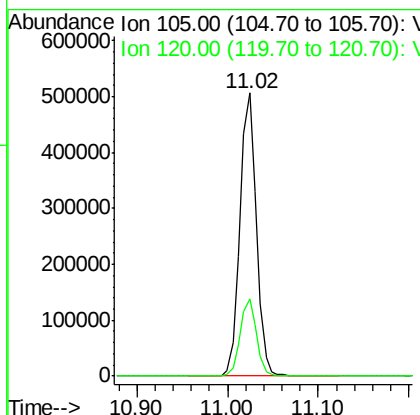
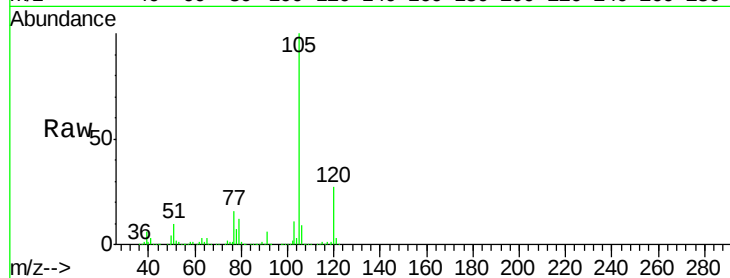
#73
Isopropylbenzene
Concen: 46.65 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7

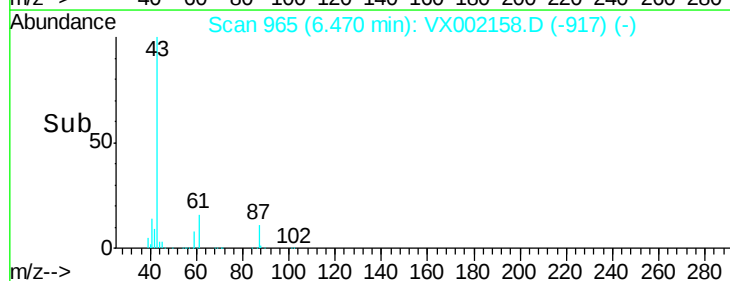
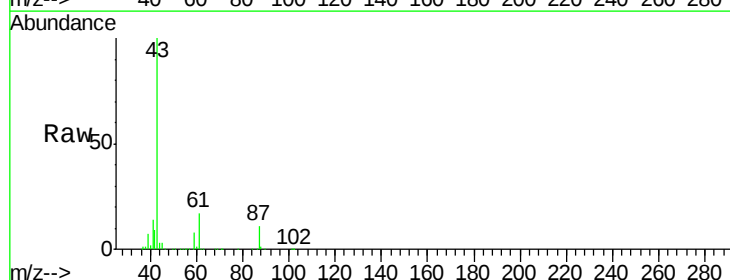
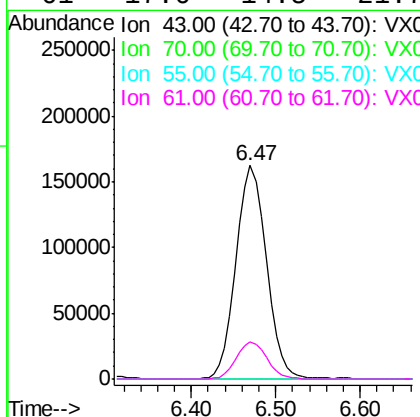
Manual Integrations
APPROVED

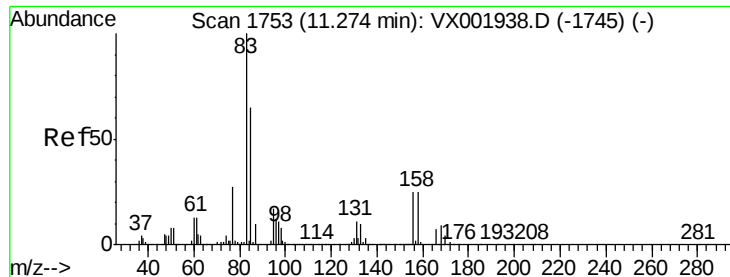
MMDadoda
5/31/2018 3:07:48 PM



#74
N-ethyl acetate
Concen: 56.37 ug/l
RT: 6.47 min Scan# 966
Delta R.T. -0.01 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	0.1	0.1	0.1#
61	17.6	14.5	21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 57.46 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

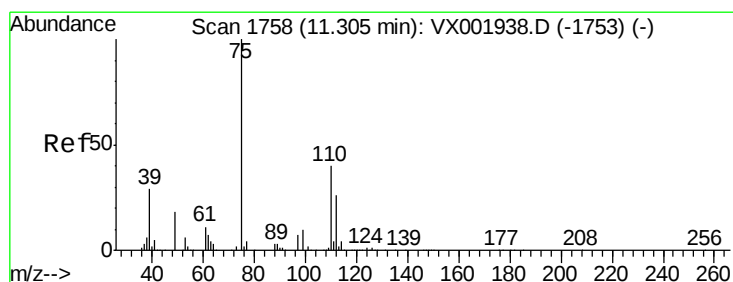
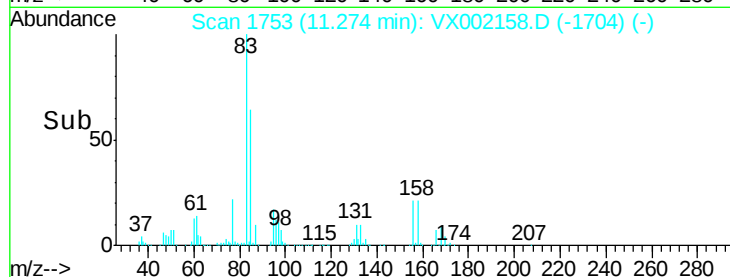
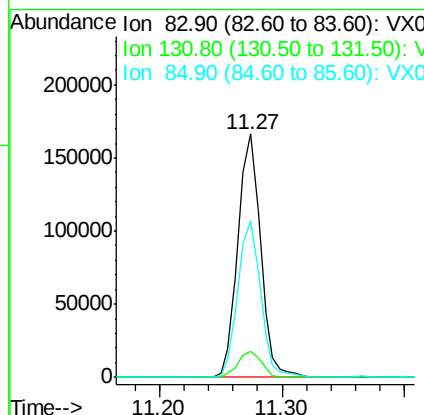
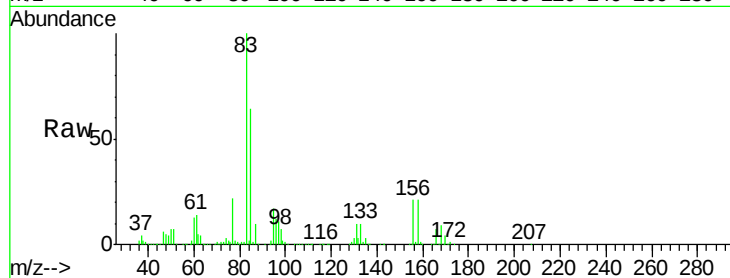
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	213774
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	64.8	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



#76

1,2,3-Trichloropropane

Concen: 58.73 ug/l m

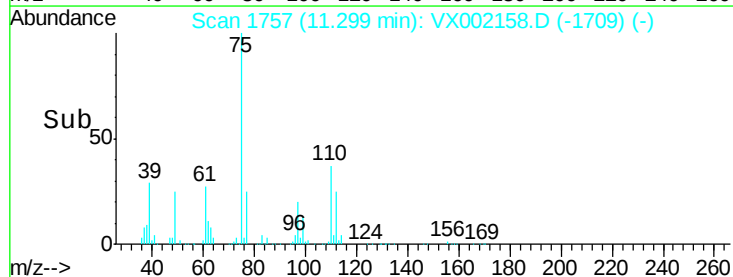
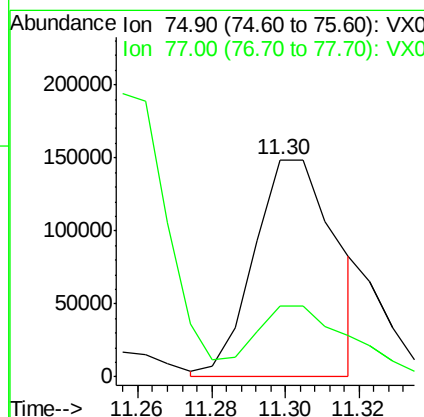
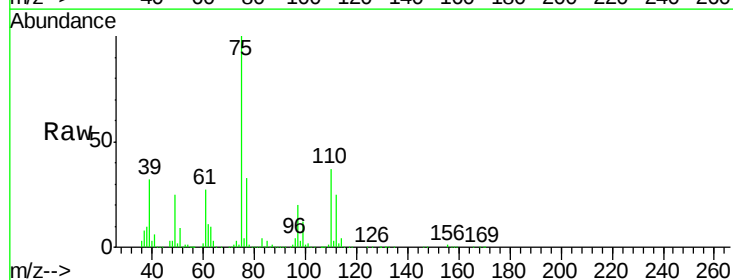
RT: 11.30 min Scan# 1757

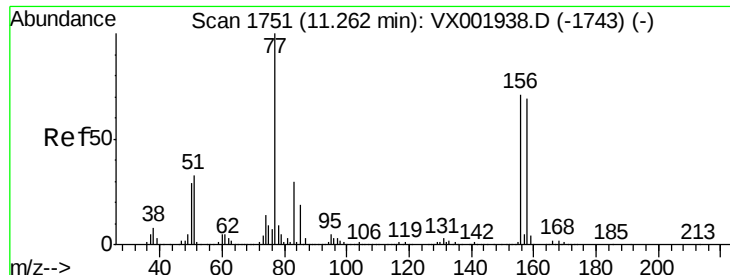
Delta R.T. -0.01 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Tgt Ion:	75	Resp:	227340
Ion Ratio	Lower	Upper	
75	100		
77	38.6	22.8	68.3





#77

Bromobenzene

Concen: 49.74 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

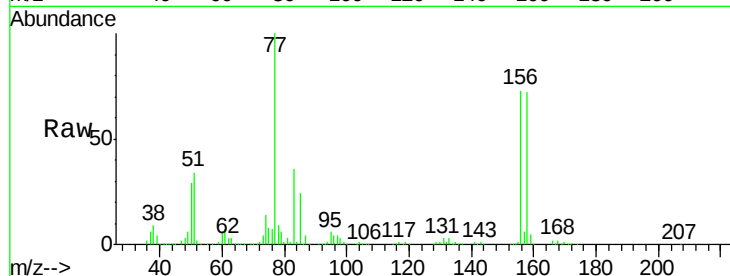
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.1	75.2	225.6
158	97.2	48.6	145.8

Manual Integrations
APPROVED

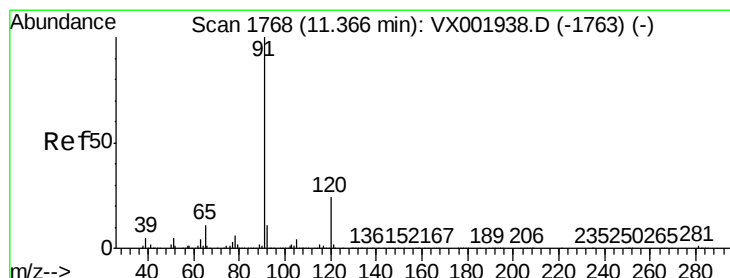
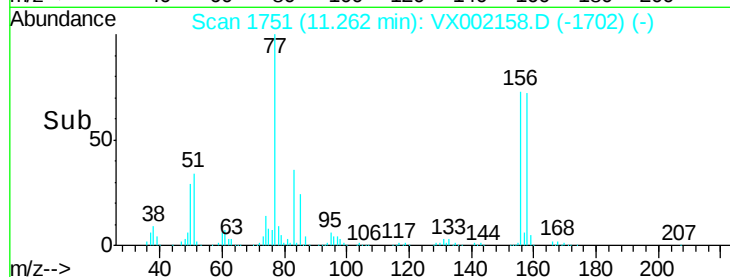
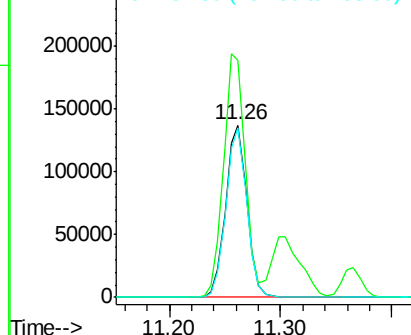
MMDadoda
5/31/2018 3:07:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.11 ug/l

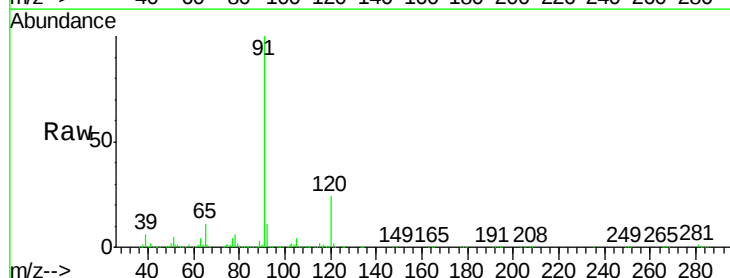
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002158.D

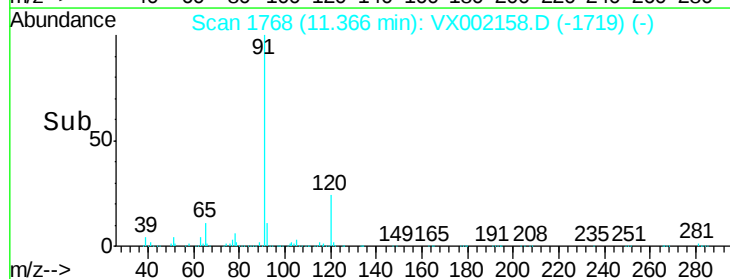
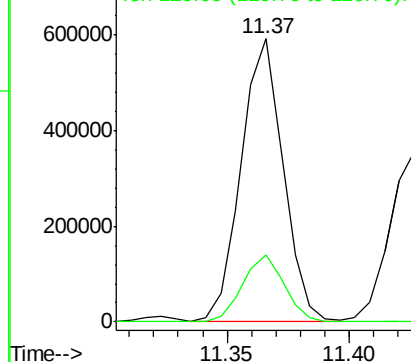
Acq: 31 May 2018 01:17

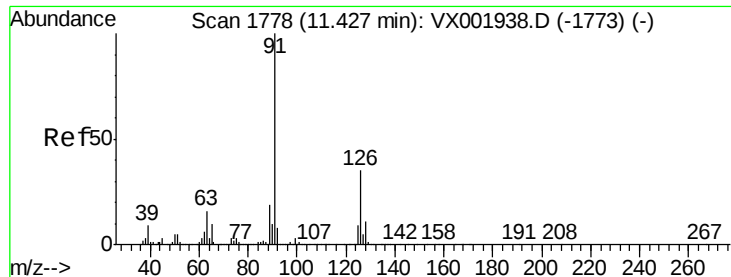
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 445560

Ion Ratio Lower Upper

91 100

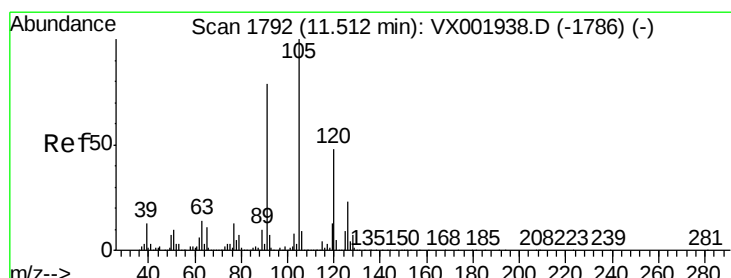
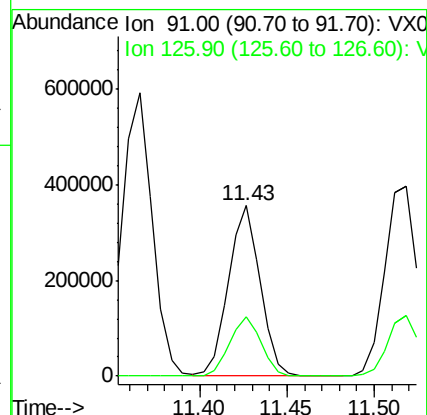
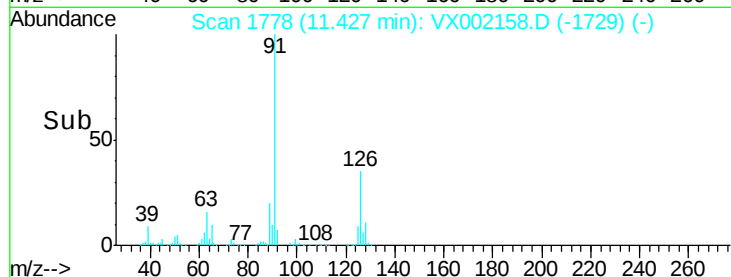
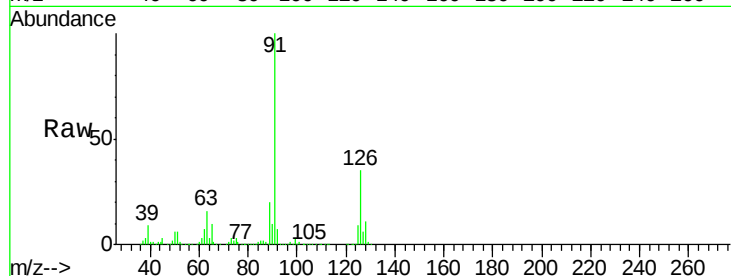
126 35.0 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



#80

1,3,5-Trimethylbenzene

Concen: 47.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002158.D

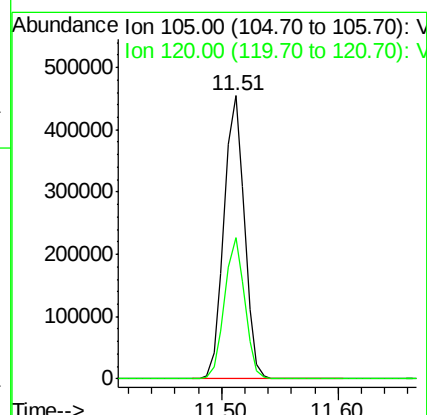
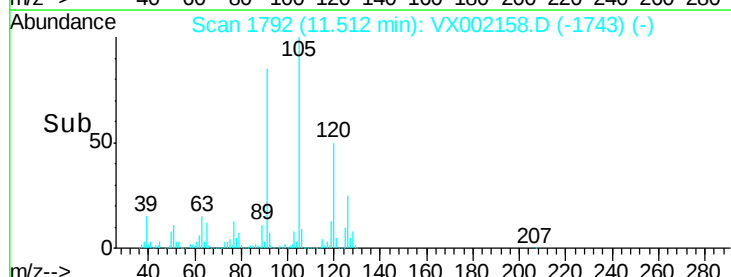
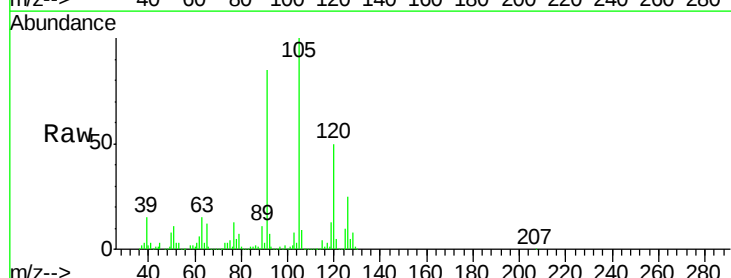
Acq: 31 May 2018 01:17

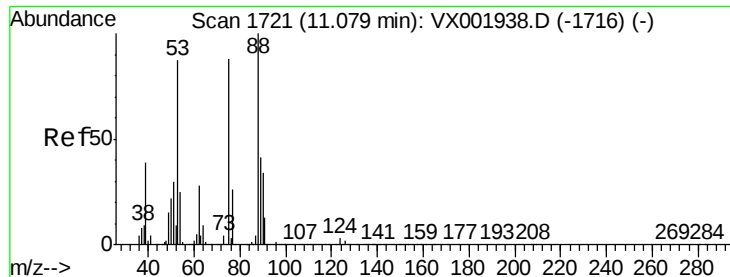
Tgt Ion: 105 Resp: 549712

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





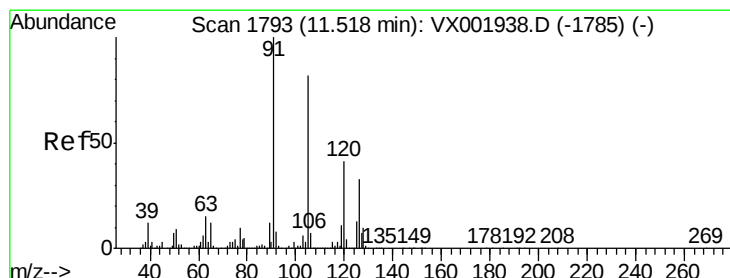
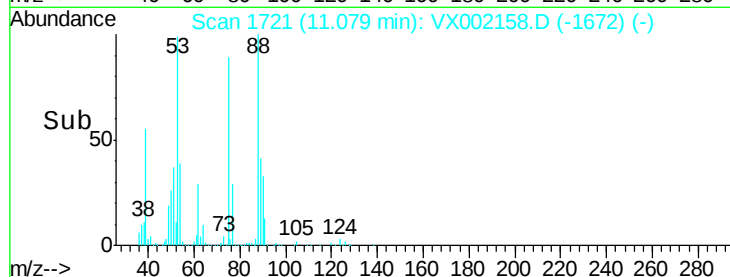
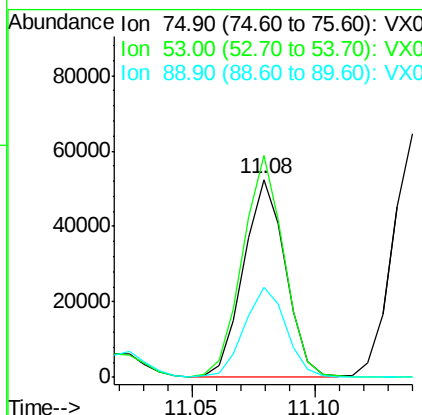
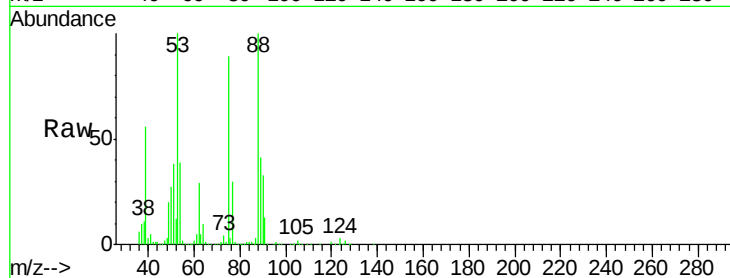
#81
trans-1,4-Dichloro-2-butene
Concen: 38.50 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.5	78.0	117.0
89	46.5	39.4	59.2

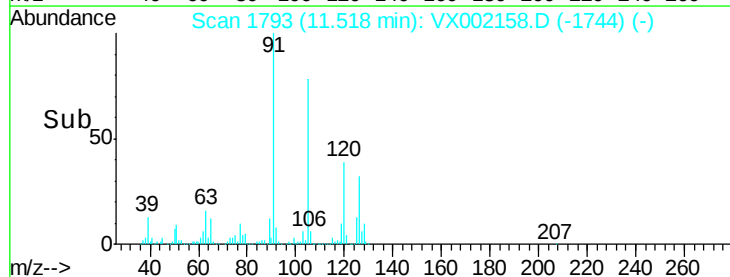
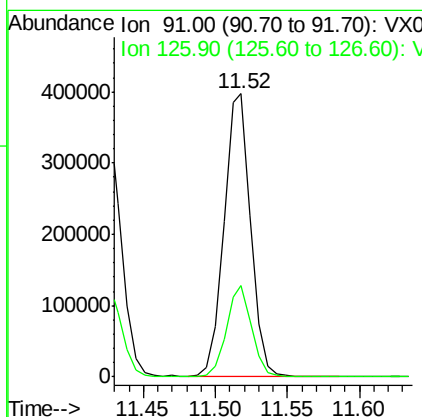
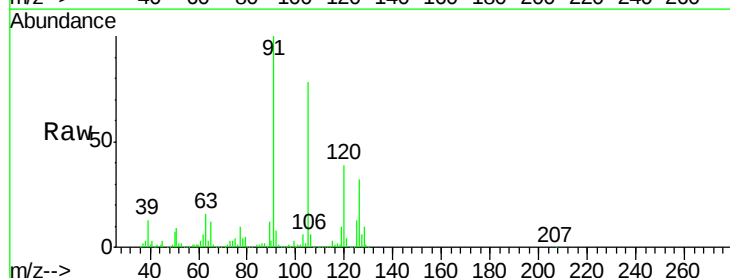
Manual Integrations
APPROVED

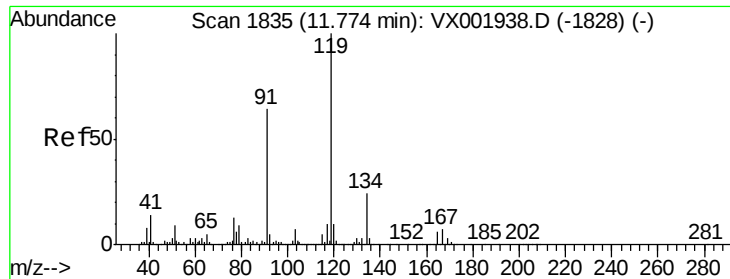
MMDadoda
5/31/2018 3:07:48 PM



#82
4-Chlorotoluene
Concen: 47.77 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.8





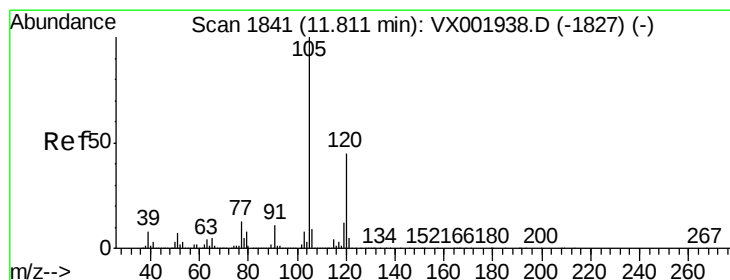
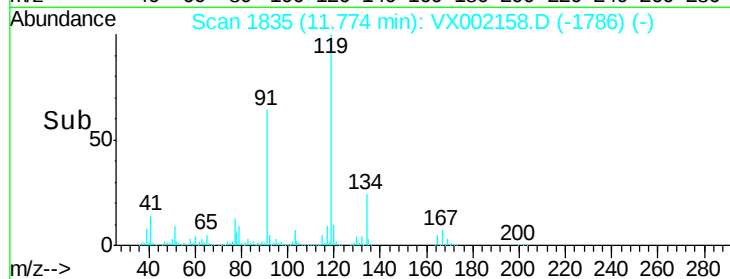
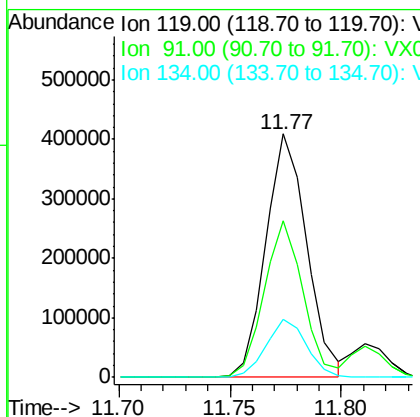
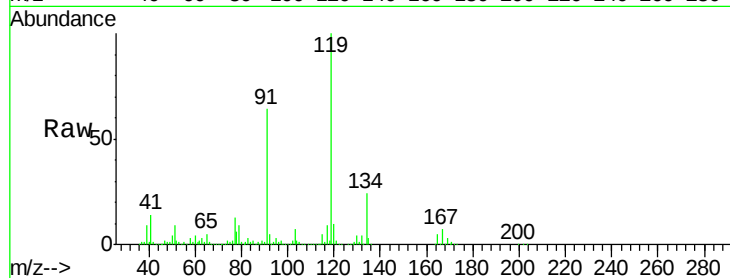
#83
 tert-Butylbenzene
 Concen: 45.67 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.6	91.8
134	23.4	11.7	35.0

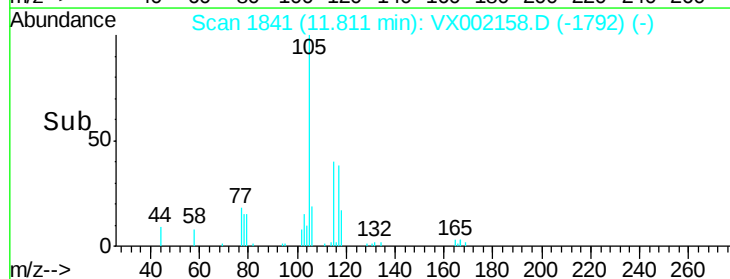
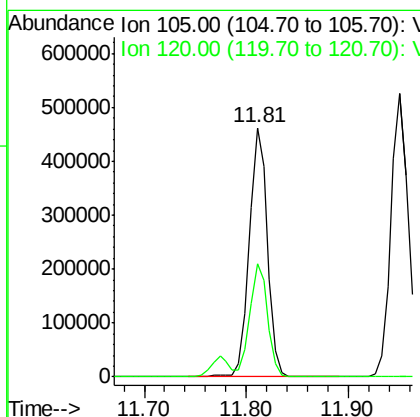
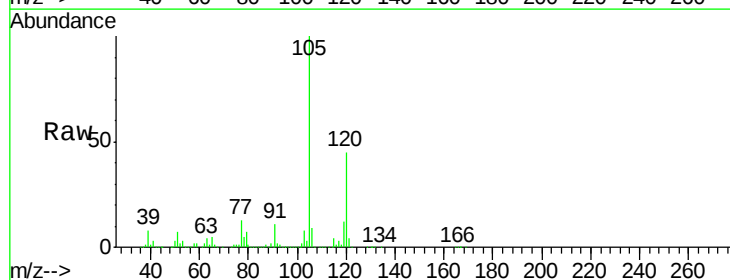
Manual Integrations
 APPROVED

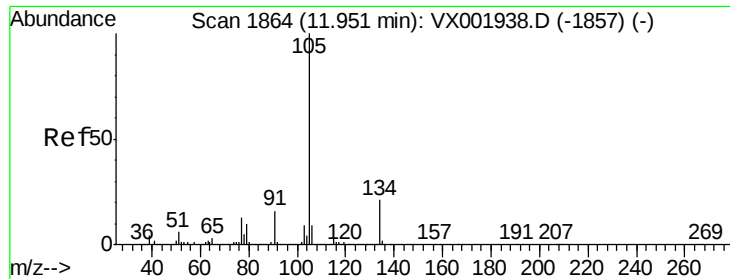
MMDadoda
 5/31/2018 3:07:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.56 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 626836

Ion Ratio Lower Upper

105 100

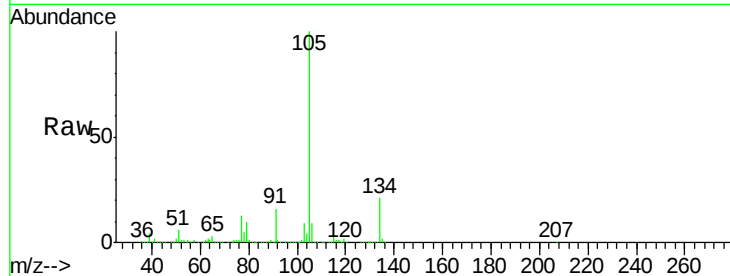
134 20.6 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

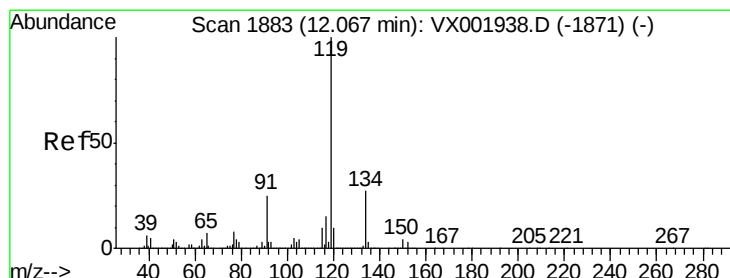
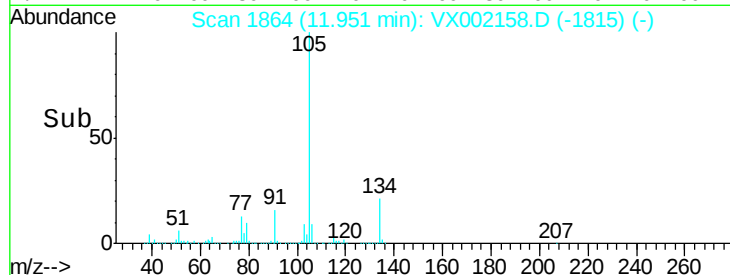
100000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 45.62 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002158.D

Acq: 31 May 2018 01:17

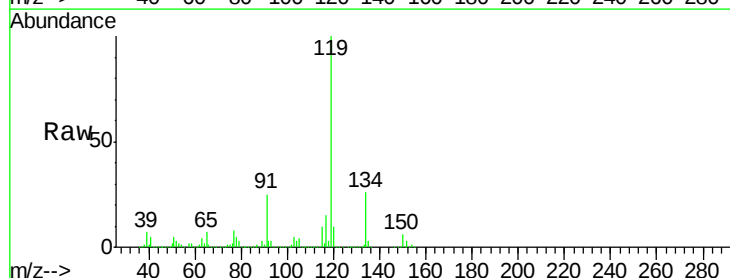
Tgt Ion:119 Resp: 561597

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.0 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

200000

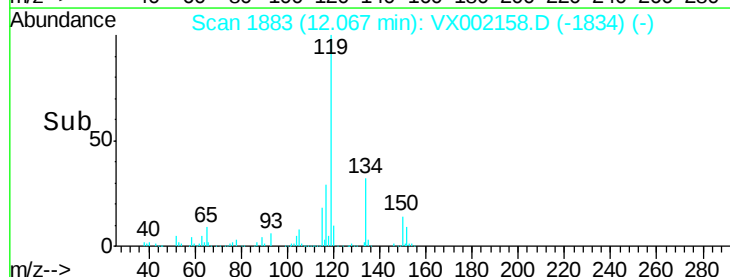
100000

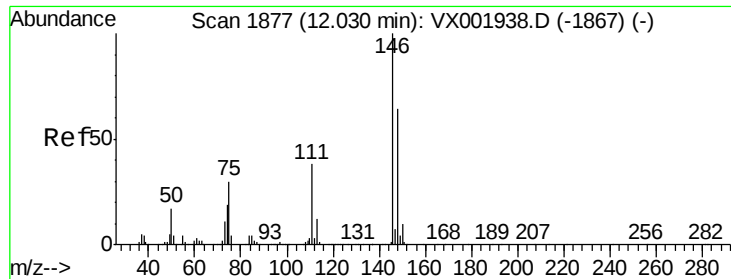
0

12.00

12.10

Time-->





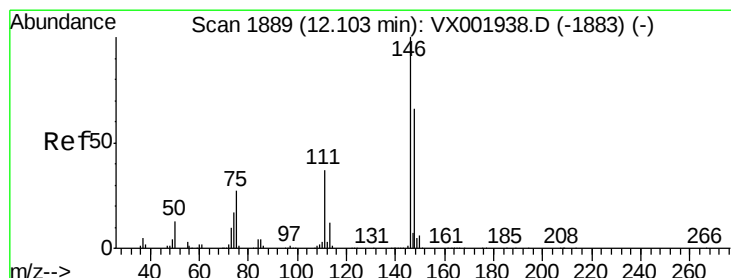
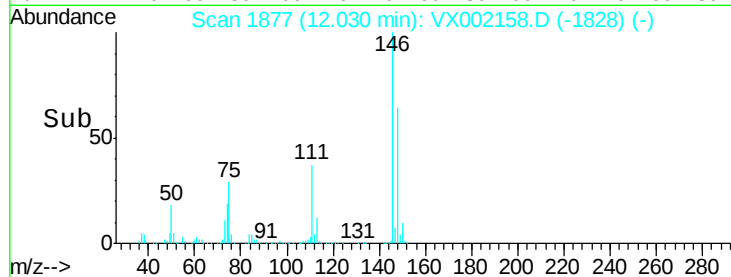
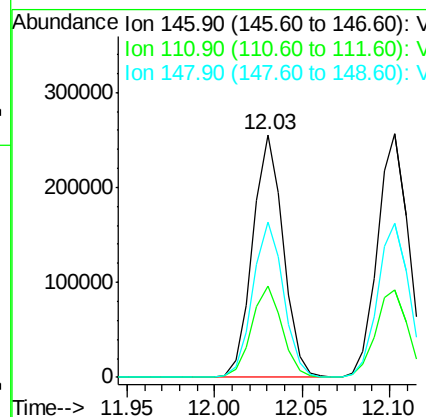
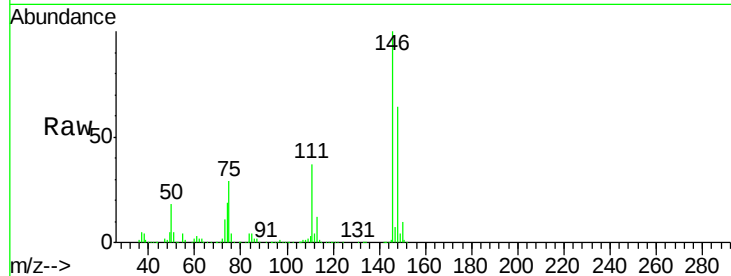
#87
 1,3-Dichlorobenzene
 Concen: 47.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.8
148	64.3	32.1	96.3

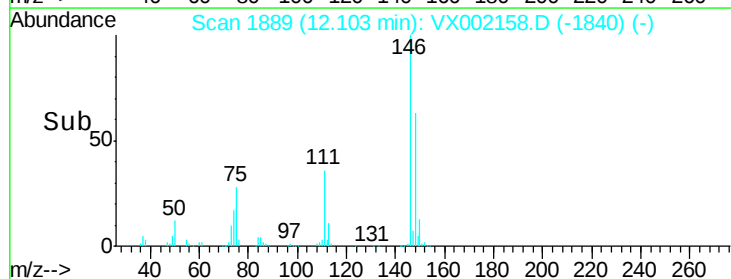
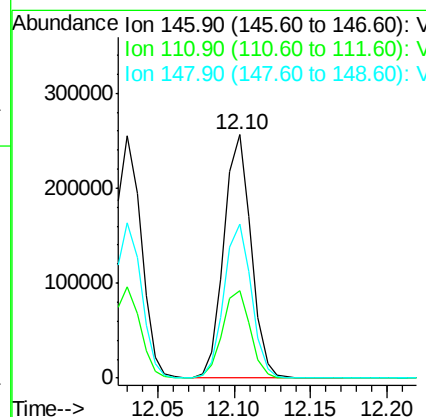
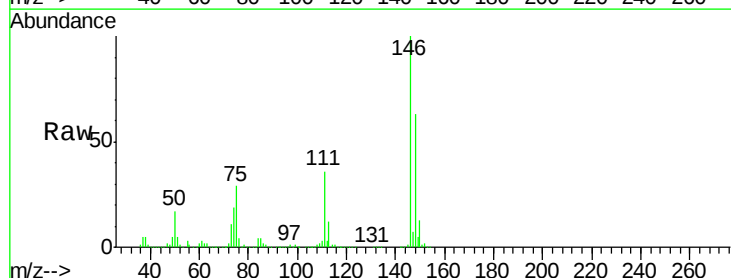
Manual Integrations
 APPROVED

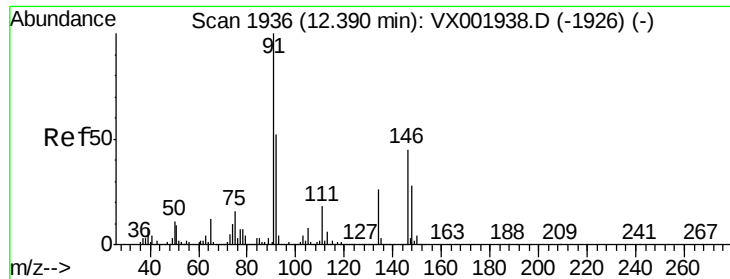
MMDadoda
 5/31/2018 3:07:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.65 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	64.1	32.3	96.8





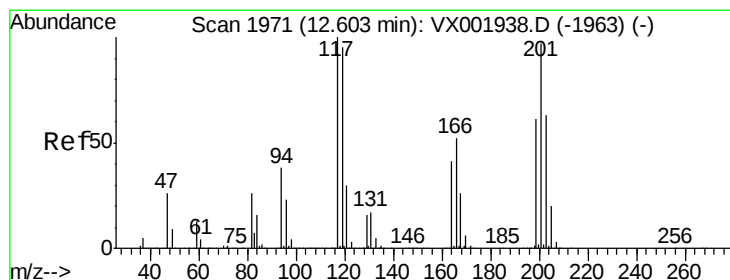
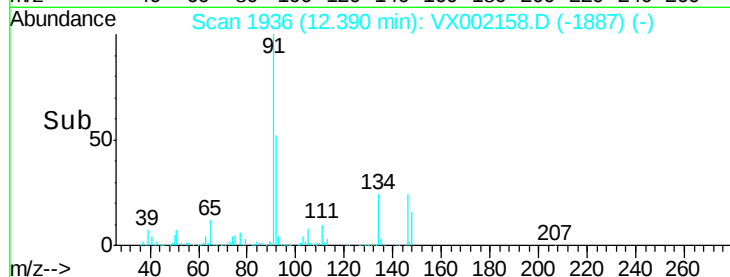
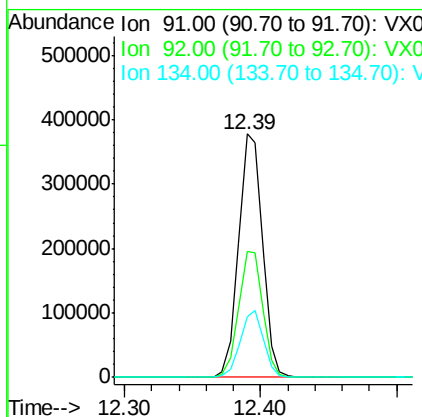
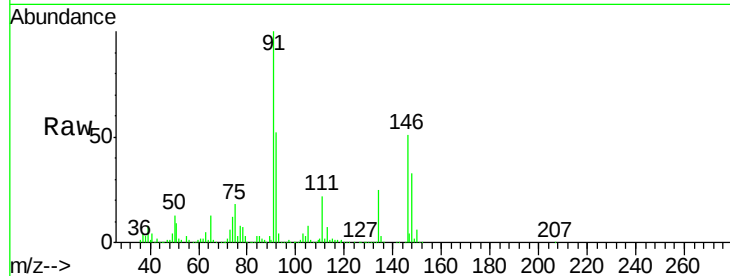
#89
n-Butylbenzene
Concen: 44.10 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	26.6	13.6	40.7

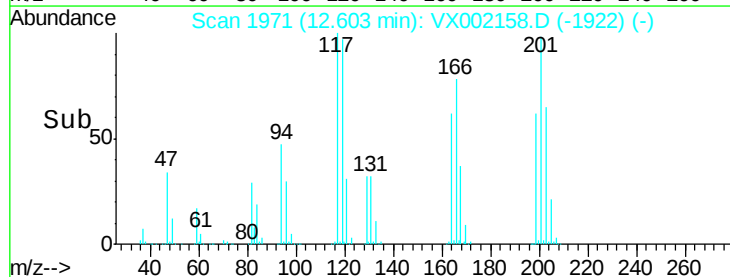
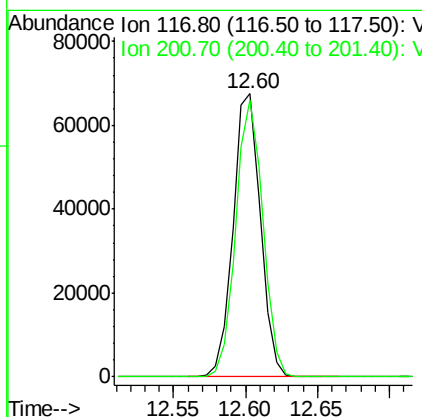
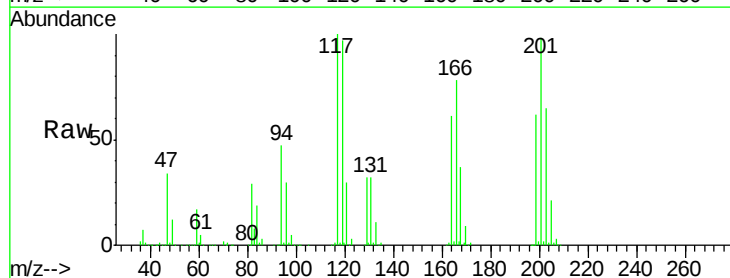
Manual Integrations
APPROVED

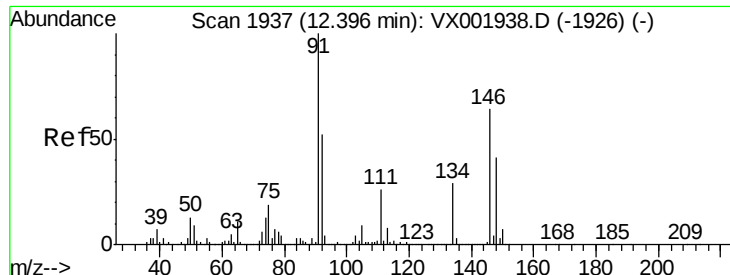
MMDadoda
5/31/2018 3:07:48 PM



#90
Hexachloroethane
Concen: 36.98 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	48.0	144.0





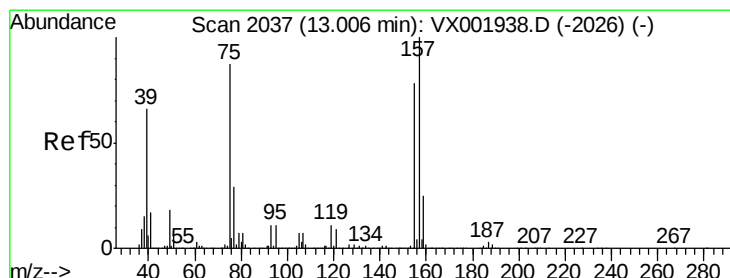
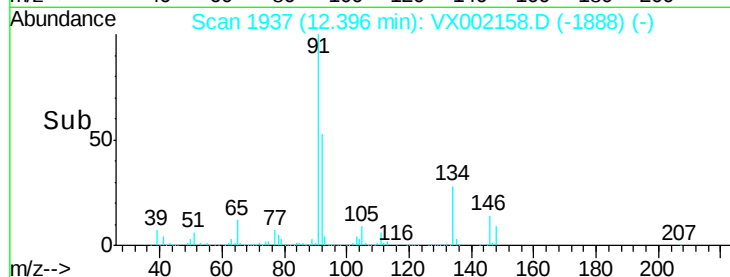
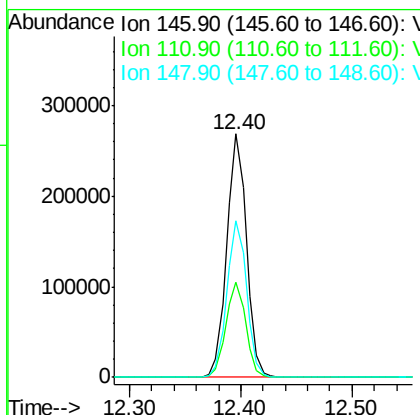
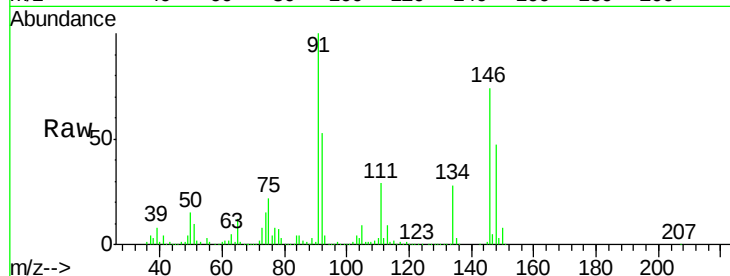
#91
 1,2-Dichlorobenzene
 Concen: 49.62 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.4	32.1	96.5

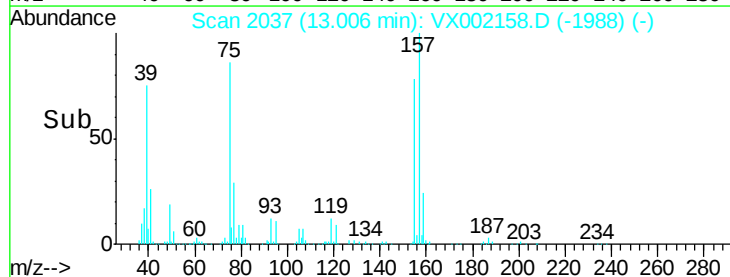
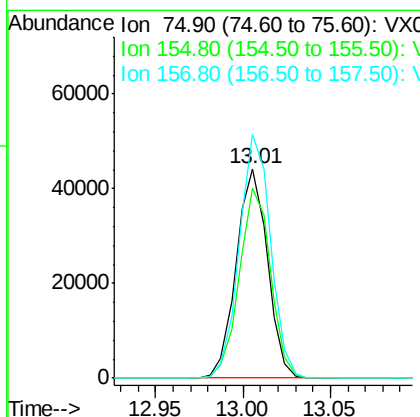
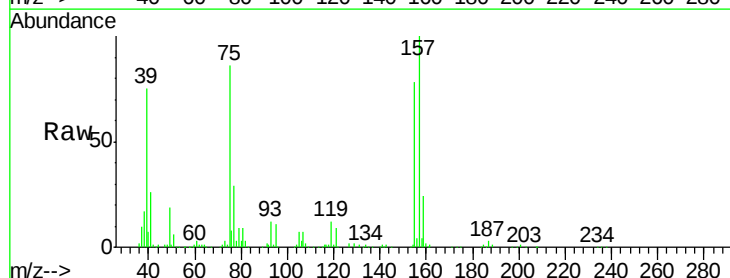
Manual Integrations
 APPROVED

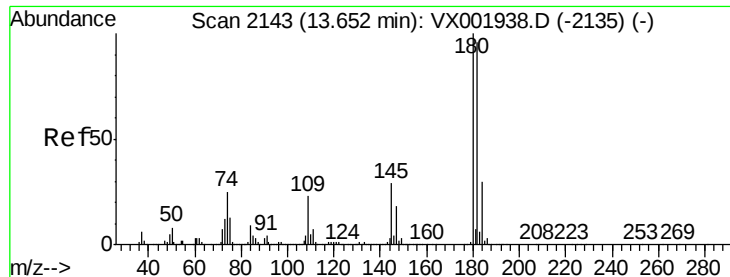
MMDadoda
 5/31/2018 3:07:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.30 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	45.1	135.2
157	116.6	58.1	174.2





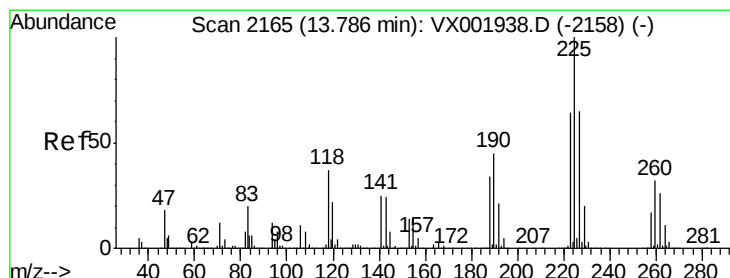
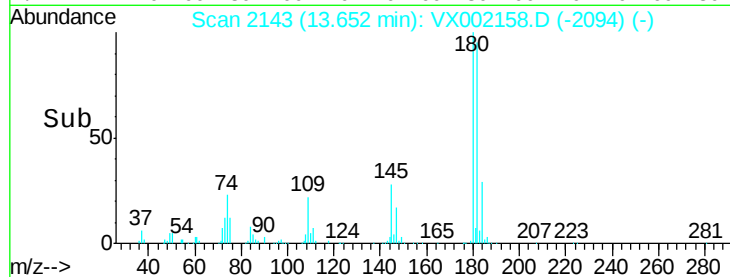
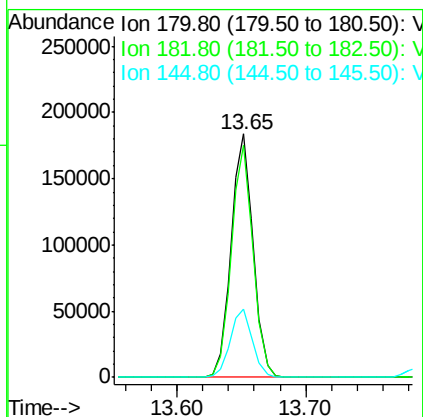
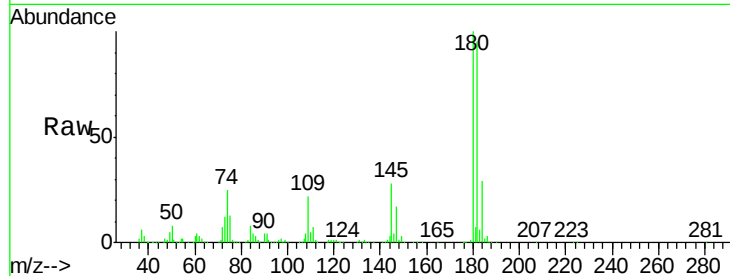
#93
 1,2,4-Trichlorobenzene
 Concen: 46.39 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	219177		
182	94.1	47.7	143.1	
145	28.2	14.4	43.0	

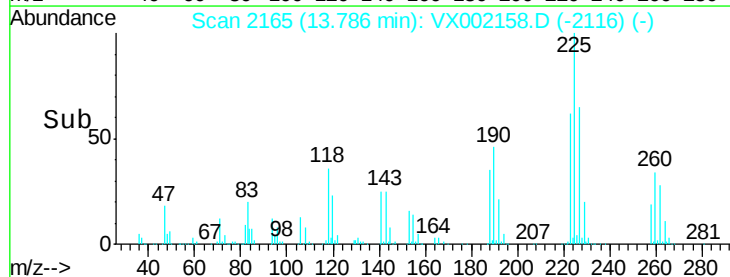
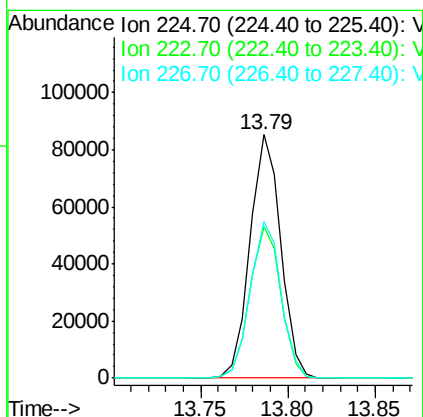
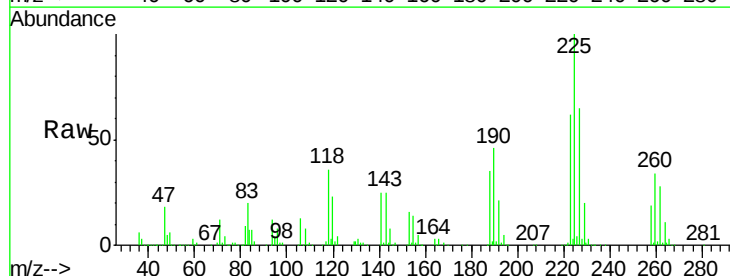
Manual Integrations
 APPROVED

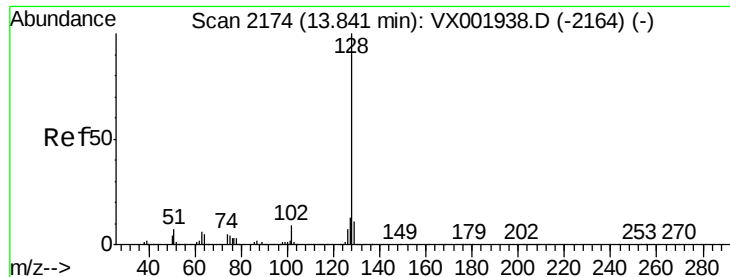
MMDadoda
 5/31/2018 3:07:48 PM



#94
 Hexachlorobutadiene
 Concen: 40.94 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002158.D
 Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104049		
223	62.7	31.1	93.5	
227	64.4	32.1	96.5	





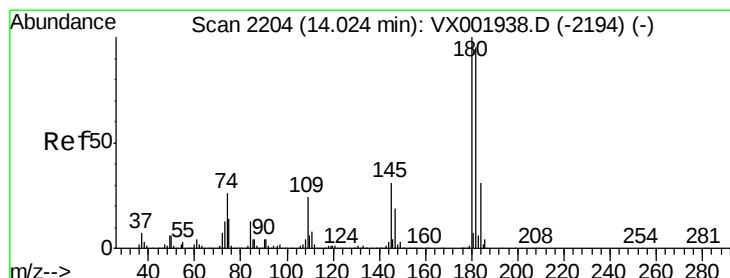
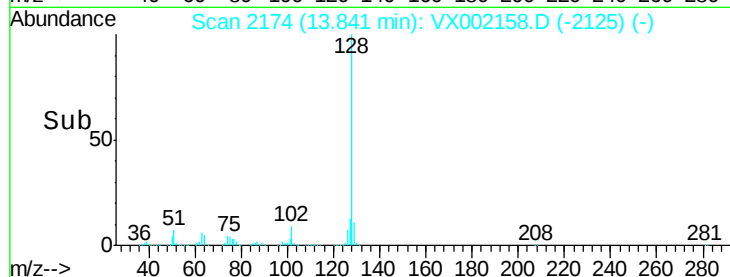
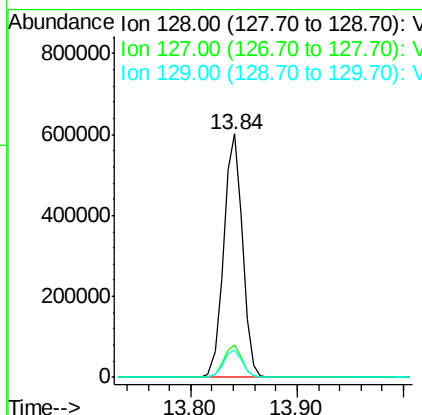
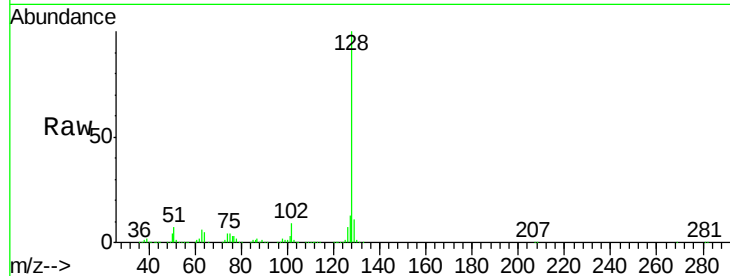
#95
Naphthalene
Concen: 50.76 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.93 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002158.D
Acq: 31 May 2018 01:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.6
145	29.7	15.1	45.3

