

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000751.D
 Acq On : 10 Apr 2018 15:02
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:43 AM

Quant Time: Apr 10 15:45:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 10:32:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	315332	98.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.26%	
35) Dibromofluoromethane	5.51	113	274473	113.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.50%	
50) Toluene-d8	8.73	98	1000835	109.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.88%	
62) 4-Bromofluorobenzene	11.15	95	406858	107.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	310958	123.48	ug/l	99
3) Chloromethane	1.32	50	248372	110.67	ug/l	96
4) Vinyl Chloride	1.41	62	297723	130.85	ug/l	99
5) Bromomethane	1.64	94	118184	78.14	ug/l	98
6) Chloroethane	1.71	64	178852	128.10	ug/l	99
7) Trichlorofluoromethane	1.93	101	441277	118.43	ug/l	100
8) Diethyl Ether	2.19	74	163962	114.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	255895	117.27	ug/l	98
10) Methyl Iodide	2.51	142	233105	107.11	ug/l	96
11) Tert butyl alcohol	3.09	59	294889	542.01	ug/l	100
12) 1,1-Dichloroethene	2.37	96	243532	124.30	ug/l	98
13) Acrolein	2.30	56	154236	647.73	ug/l	100
14) Allyl chloride	2.73	41	449713	113.53	ug/l	97
15) Acrylonitrile	3.15	53	650254	570.25	ug/l	99
16) Acetone	2.45	43	564319	562.68	ug/l	99
17) Carbon Disulfide	2.57	76	735368	144.13	ug/l	99
18) Methyl Acetate	2.78	43	306824	103.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	824523	113.18	ug/l	100
20) Methylene Chloride	2.86	84	260846	86.99	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	263380	125.73	ug/l	98
22) Diisopropyl ether	3.88	45	877360	113.03	ug/l	97
23) Vinyl Acetate	3.83	43	3836219	583.62	ug/l	100
24) 1,1-Dichloroethane	3.70	63	462844	113.91	ug/l	98
25) 2-Butanone	4.71	43	974489	555.39	ug/l	97
26) 2,2-Dichloropropane	4.59	77	456965	110.50	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	310856	116.07	ug/l	97
28) Bromochloromethane	5.03	49	178300	97.31	ug/l	95
29) Tetrahydrofuran	5.17	42	614185	550.07	ug/l	98
30) Chloroform	5.23	83	502300	113.71	ug/l	100
31) Cyclohexane	5.58	56	439636	121.50	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	479376	113.87	ug/l	99
36) 1,1-Dichloropropene	5.81	75	388349	121.46	ug/l	99
37) Ethyl Acetate	4.87	43	390099	113.03	ug/l	99
38) Carbon Tetrachloride	5.79	117	447706	119.50	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000751.D
 Acq On : 10 Apr 2018 15:02
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:43 AM

Quant Time: Apr 10 15:45:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 10:32:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	469441	124.90	ug/l	96
40) Benzene	6.15	78	1103421	122.69	ug/l	99
41) Methacrylonitrile	5.07	41	223336	111.70	ug/l	98
42) 1,2-Dichloroethane	6.21	62	405784	114.39	ug/l	99
43) Isopropyl Acetate	6.48	43	670843	111.62	ug/l	99
44) Trichloroethene	7.22	130	340633	124.64	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282773	117.26	ug/l	98
46) Dibromomethane	7.67	93	196034	117.13	ug/l	96
47) Bromodichloromethane	7.91	83	404488	116.80	ug/l	99
48) Methyl methacrylate	7.79	41	346685	114.65	ug/l	97
49) 1,4-Dioxane	7.77	88	135311	2254.66	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1991822	572.02	ug/l	100
52) Toluene	8.79	92	729167	121.61	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	488249	118.49	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	475704	116.25	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	289285	118.61	ug/l	99
56) Ethyl methacrylate	9.19	69	455196	117.04	ug/l	97
57) 1,3-Dichloropropane	9.38	76	468868	117.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1092687	599.91	ug/l	99
59) 2-Hexanone	9.51	43	1543776	580.90	ug/l	97
60) Dibromochloromethane	9.59	129	364860	119.94	ug/l	100
61) 1,2-Dibromoethane	9.68	107	313242	119.60	ug/l	99
64) Tetrachloroethene	9.34	164	335143	120.85	ug/l	99
65) Chlorobenzene	10.15	112	862535	118.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	334020	117.49	ug/l	99
67) Ethyl Benzene	10.26	91	1433972	117.41	ug/l	99
68) m/p-Xylenes	10.37	106	1145493	239.74	ug/l	98
69) o-Xylene	10.71	106	553230	117.99	ug/l	98
70) Styrene	10.72	104	937135	118.30	ug/l	99
71) Bromoform	10.87	173	329389	122.37	ug/l #	99
73) Isopropylbenzene	11.02	105	1484660	101.93	ug/l	100
74) N-amyl acetate	6.48	43	670843	94.64	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	442234	102.15	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	407737m	98.36	ug/l	
77) Bromobenzene	11.26	156	435961	105.54	ug/l	96
78) n-propylbenzene	11.37	91	1677087	100.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	991601	99.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1283751	101.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	157808	99.11	ug/l	95
82) 4-Chlorotoluene	11.52	91	1198190	100.33	ug/l	99
83) tert-Butylbenzene	11.78	119	1326804	102.59	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1319033	100.97	ug/l	99
85) sec-Butylbenzene	11.95	105	1548444	102.31	ug/l	100
86) p-Isopropyltoluene	12.07	119	1434964	101.41	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	803729	103.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	818846	103.21	ug/l	99
89) n-Butylbenzene	12.40	91	1261462	99.80	ug/l	99
90) Hexachloroethane	12.60	117	258006	100.42	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	790536	104.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	110283	96.92	ug/l	94

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
Data File : VX000751.D
Acq On : 10 Apr 2018 15:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

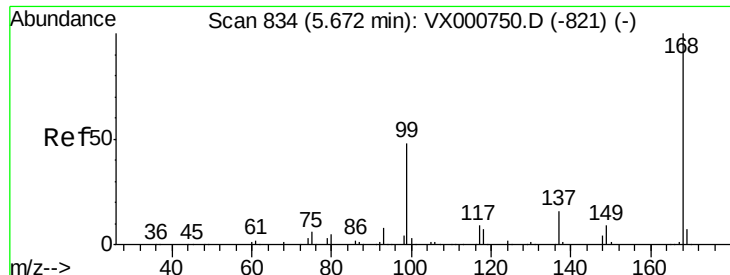
Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM

Quant Time: Apr 10 15:45:39 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 10:32:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	672663	104.63	ug/l	100
94) Hexachlorobutadiene	13.79	225	326556	103.16	ug/l	99
95) Naphthalene	13.84	128	1743965	103.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	652885	105.27	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 279585

Ion Ratio Lower Upper

168 100

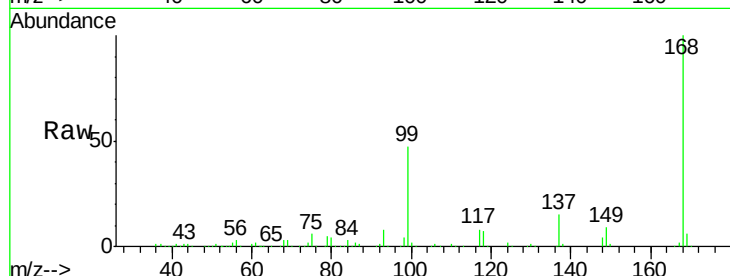
99 47.0 37.2 55.8

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

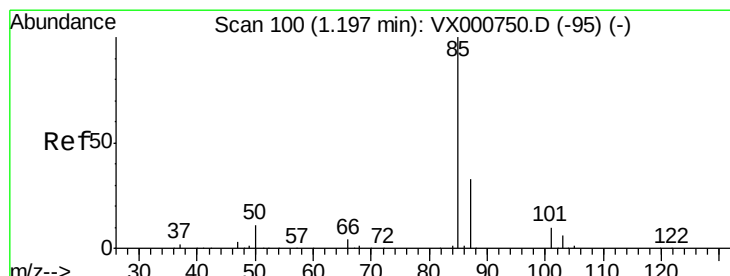
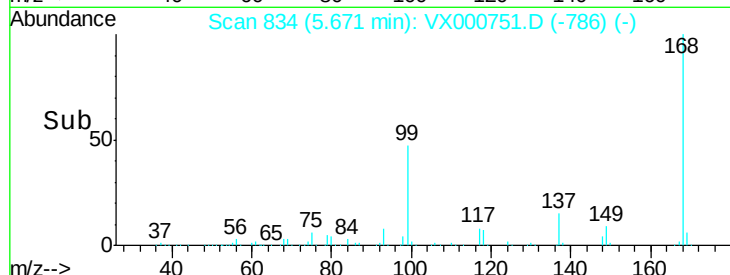
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 123.48 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000751.D

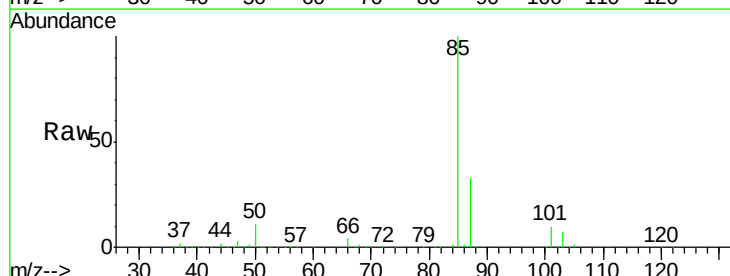
Acq: 10 Apr 2018 15:02

Tgt Ion: 85 Resp: 310958

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

100000

50000

0

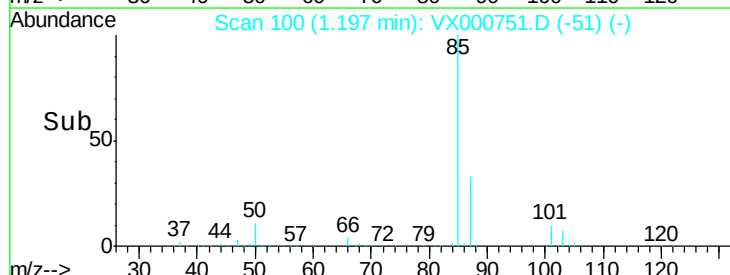
1.15

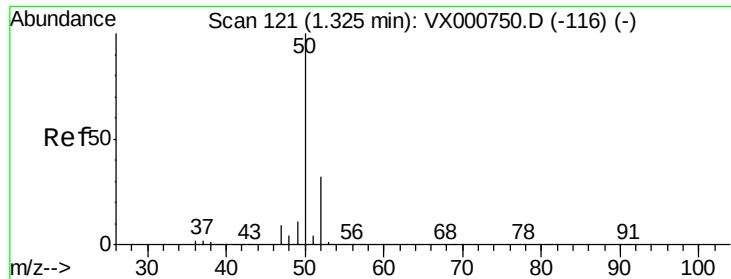
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 110.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 248372

Ion Ratio Lower Upper

50 100

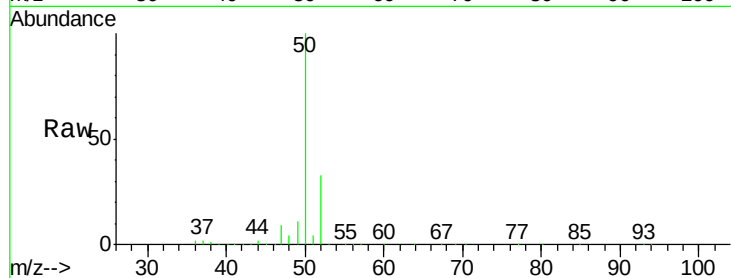
52 33.1 24.9 37.3

Manual Integrations

APPROVED

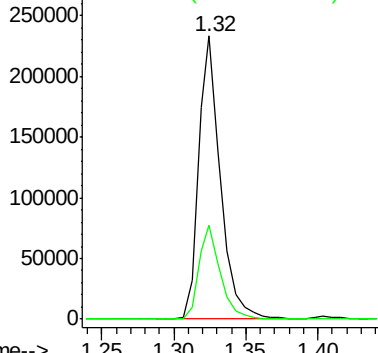
MMDadoda

4/11/2018 11:20:43 AM

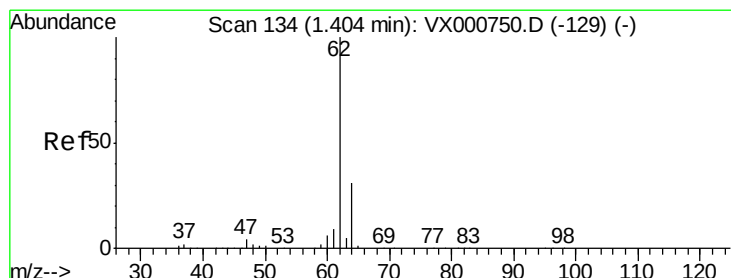
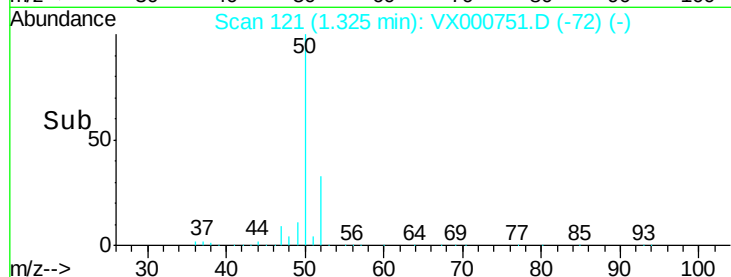


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 130.85 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000751.D

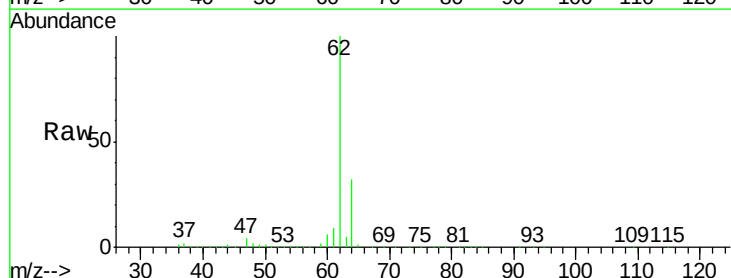
Acq: 10 Apr 2018 15:02

Tgt Ion: 62 Resp: 297723

Ion Ratio Lower Upper

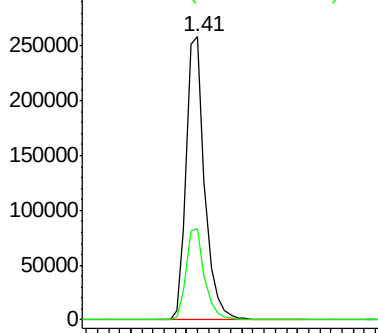
62 100

64 32.2 26.2 39.2

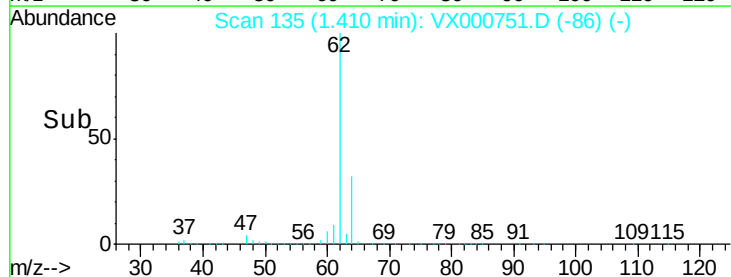


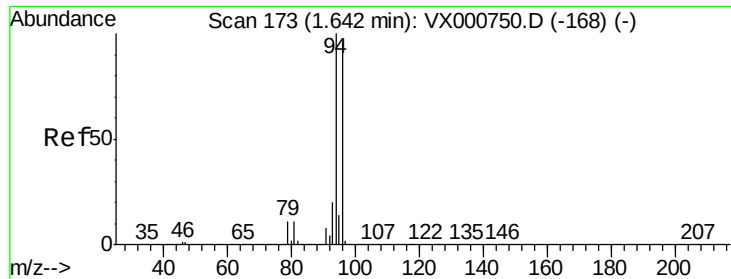
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time--> 1.35 1.40 1.45 1.50 1.55





#5

Bromomethane

Concen: 78.14 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 118184

Ion Ratio Lower Upper

94 100

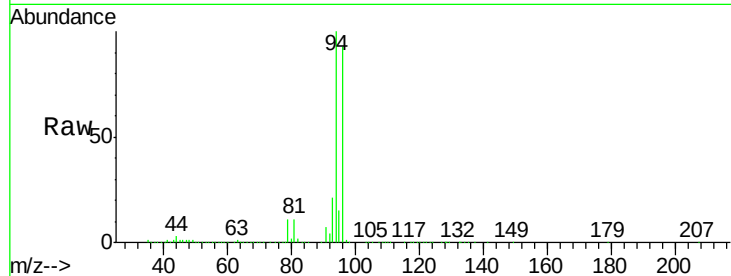
96 93.3 76.5 114.7

Manual Integrations

APPROVED

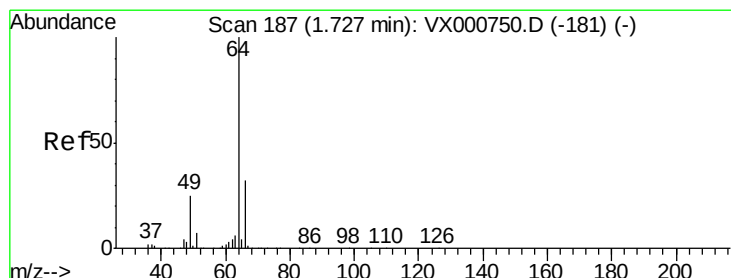
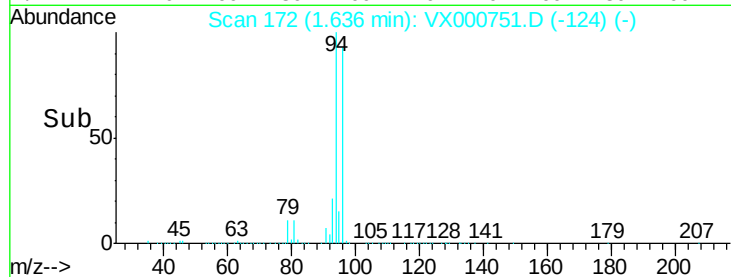
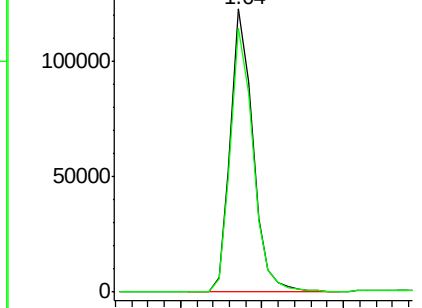
MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 128.10 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000751.D

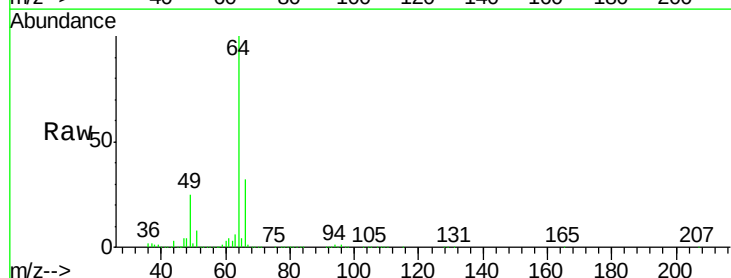
Acq: 10 Apr 2018 15:02

Tgt Ion: 64 Resp: 178852

Ion Ratio Lower Upper

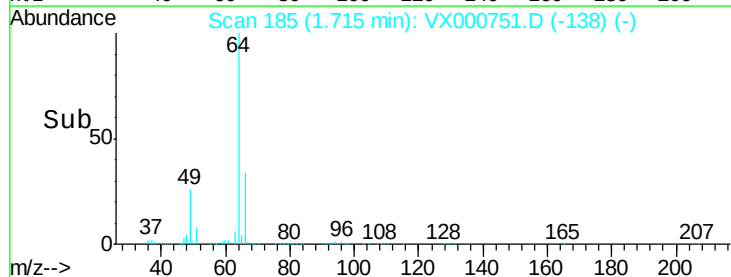
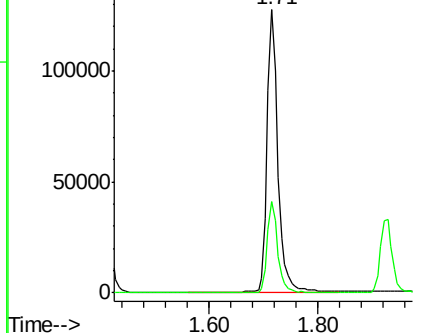
64 100

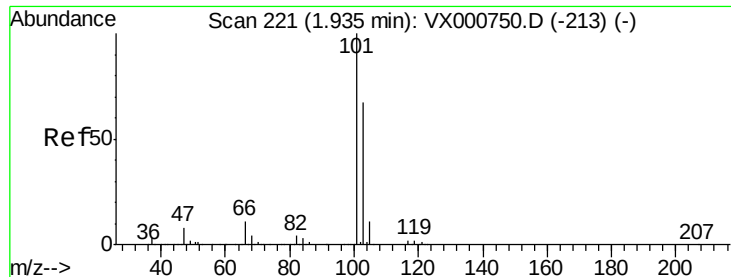
66 32.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

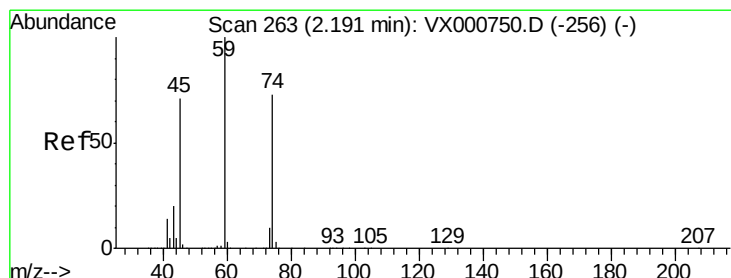
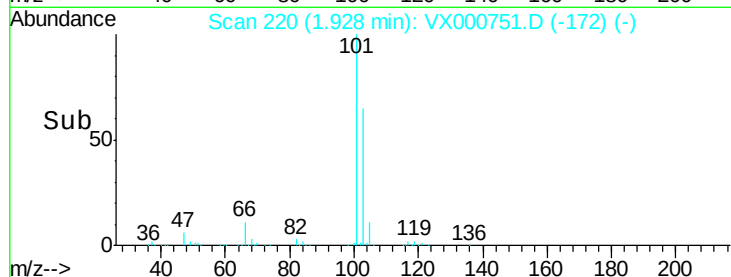
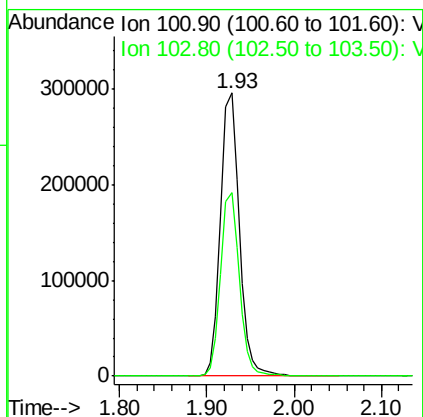
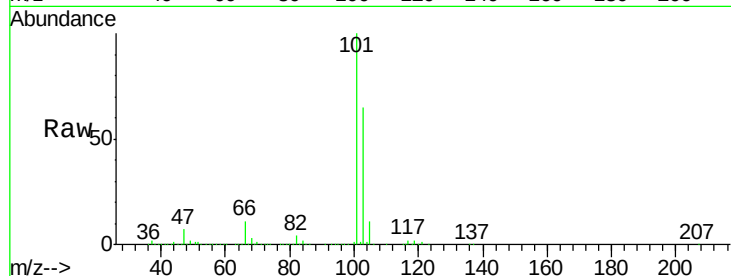
Trichlorofluoromethane
Concen: 118.43 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

Manual Integrations
APPROVED

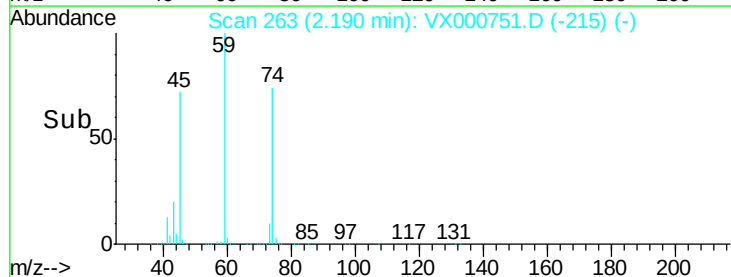
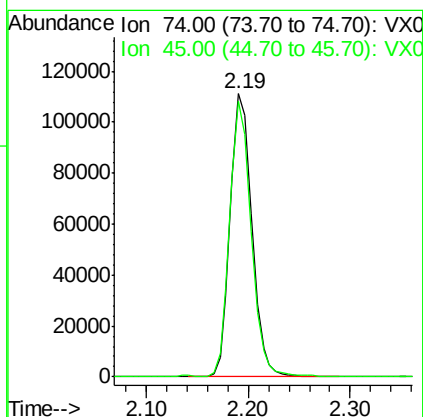
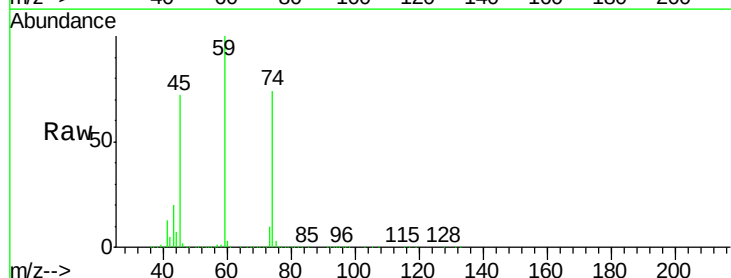
MMDadoda
4/11/2018 11:20:43 AM

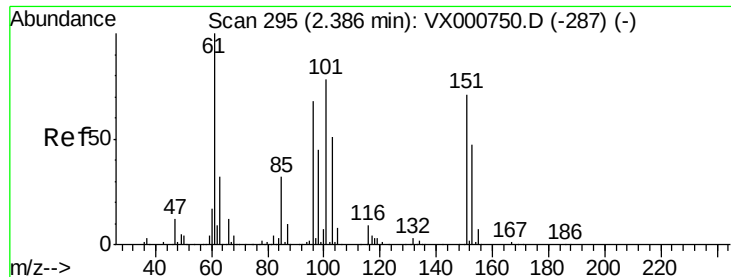


#8

Diethyl Ether
Concen: 114.62 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.4	145.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 117.27 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

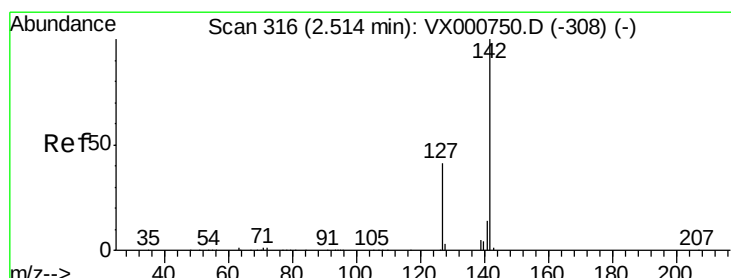
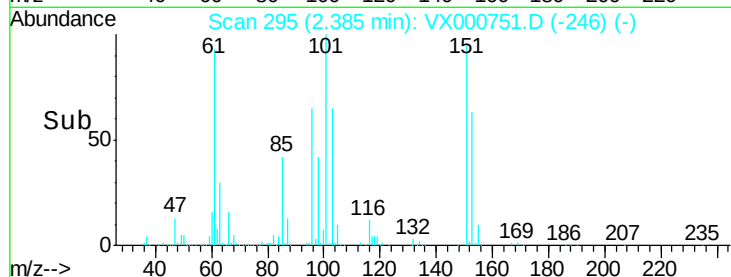
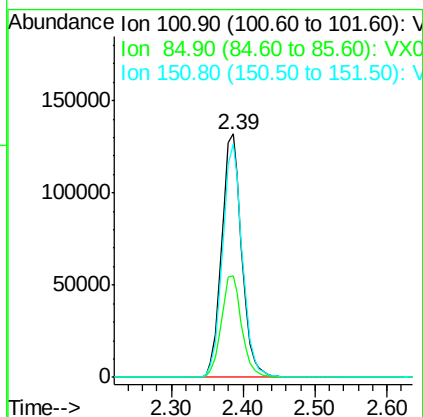
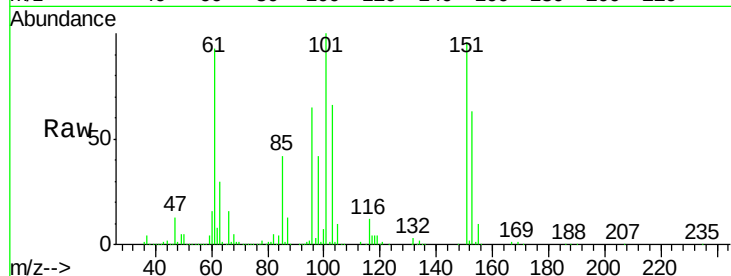
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	255895
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.3	51.5
151	94.7	73.8	110.8

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#10

Methyl Iodide

Concen: 107.11 ug/l

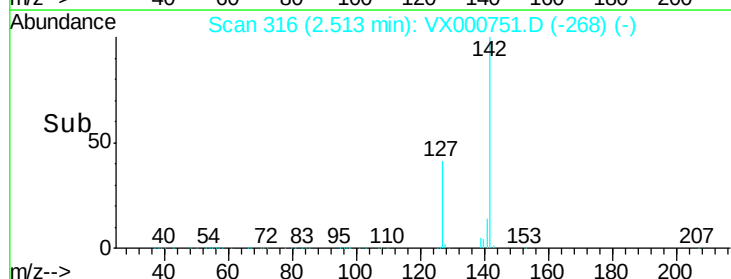
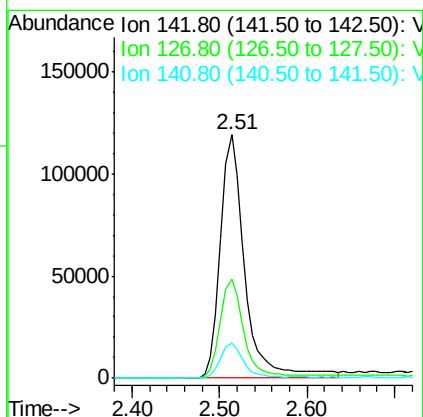
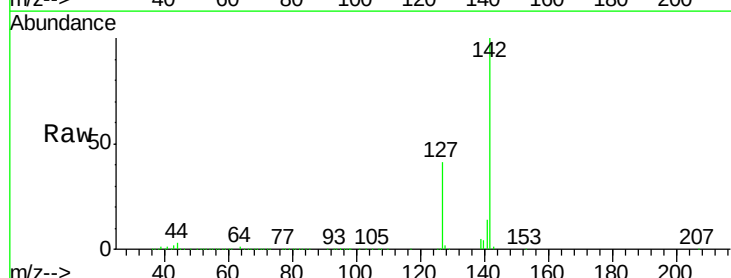
RT: 2.51 min Scan# 316

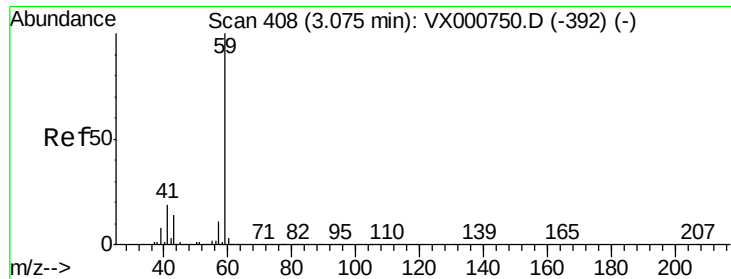
Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	142	Resp:	233105
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.9	50.9
141	13.6	11.4	17.0





#11

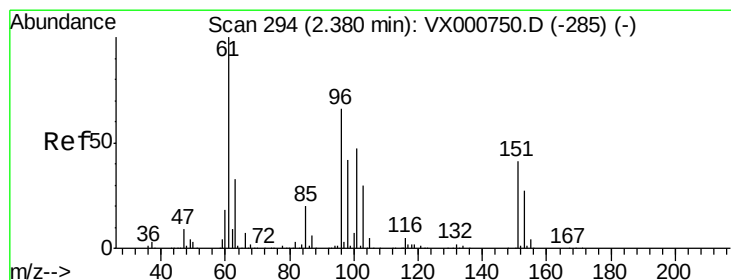
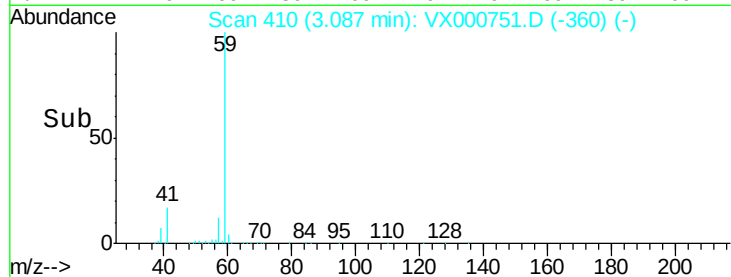
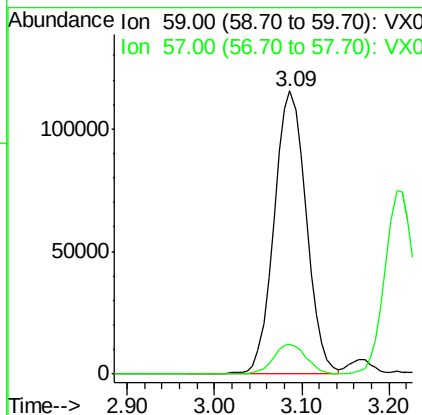
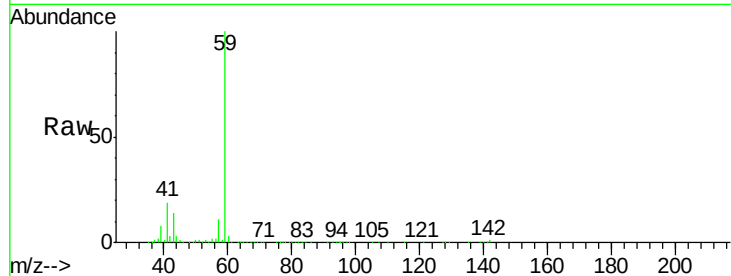
Tert butyl alcohol
Concen: 542.01 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	294889		
57	10.4		8.4	12.6

Manual Integrations
APPROVED

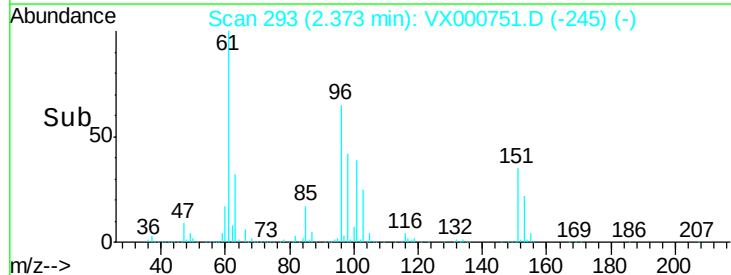
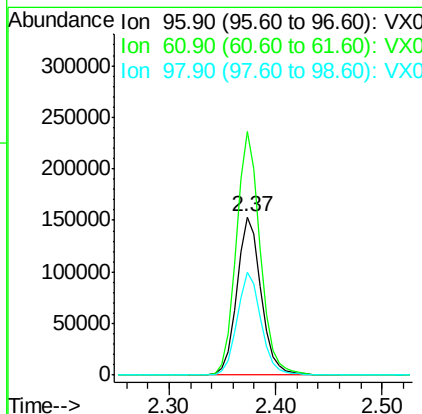
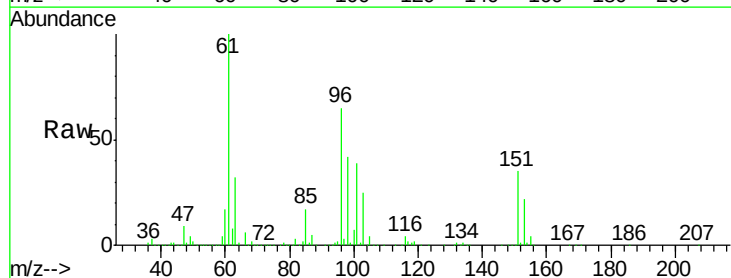
MMDadoda
4/11/2018 11:20:43 AM

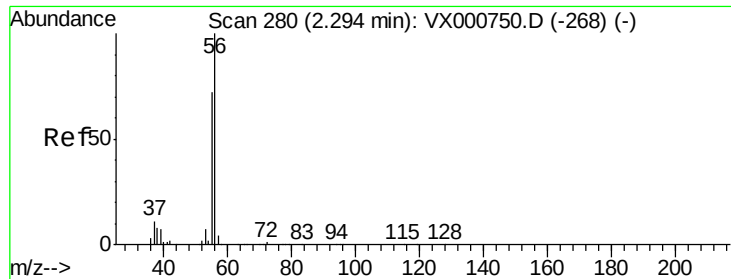


#12

1,1-Dichloroethene
Concen: 124.30 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	243532		
61	154.2		125.0	187.4
98	64.8		50.5	75.7





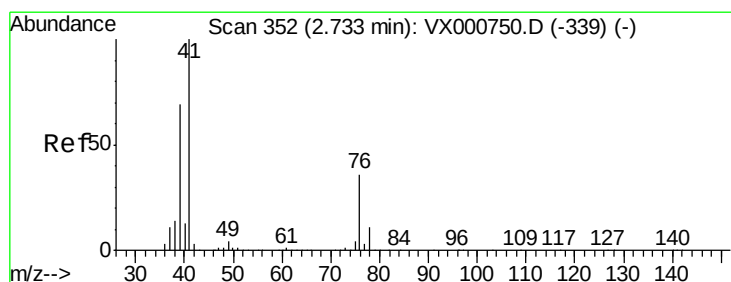
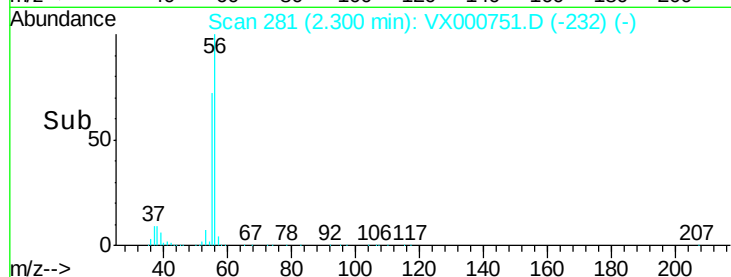
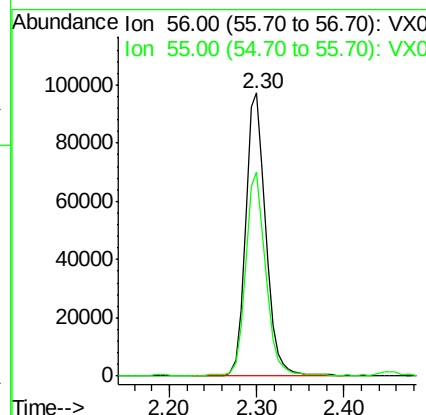
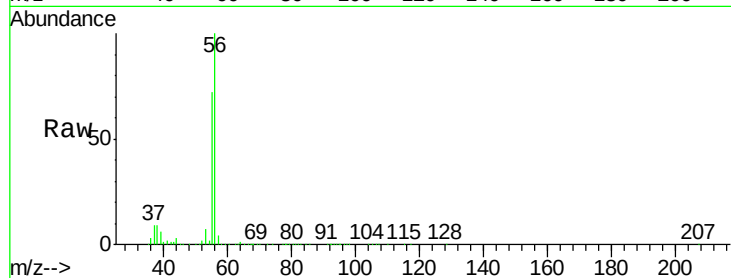
#13
Acrolein
Concen: 647.73 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.4	86.2

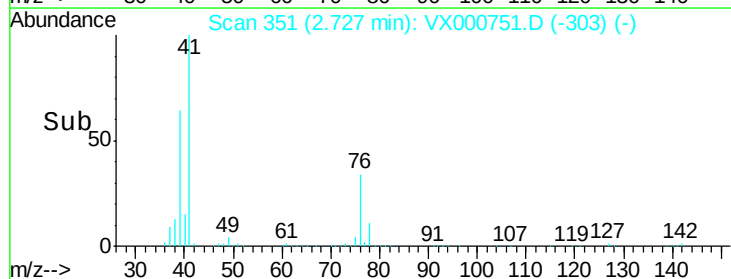
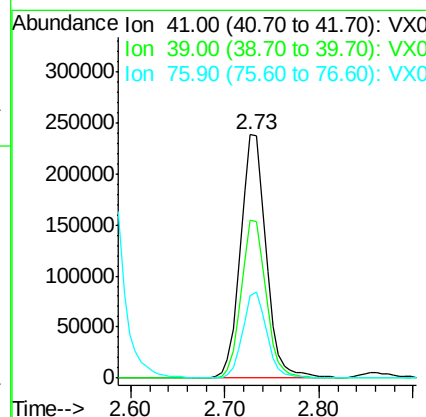
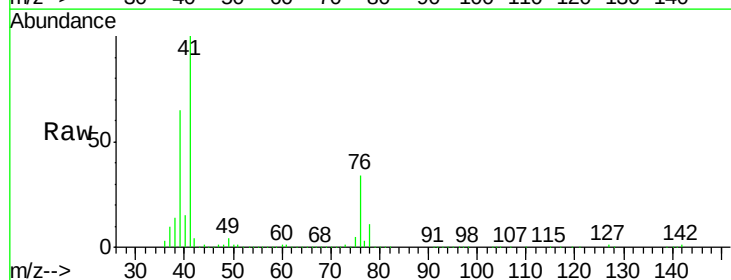
Manual Integrations
APPROVED

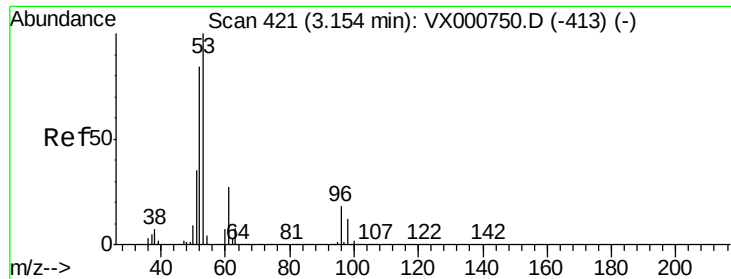
MMDadoda
4/11/2018 11:20:43 AM



#14
Allyl chloride
Concen: 113.53 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.9	52.4	78.6
76	33.3	25.9	38.9





#15

Acrylonitrile

Concen: 570.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

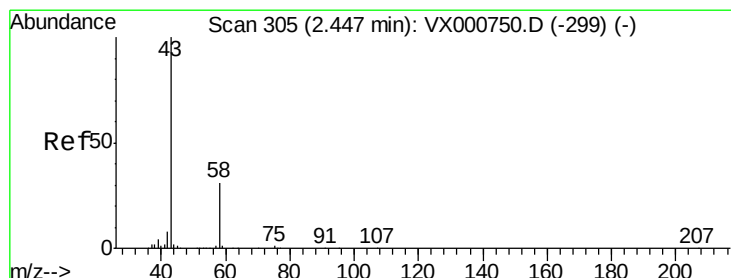
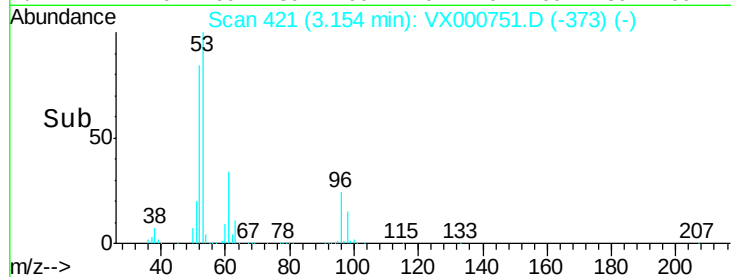
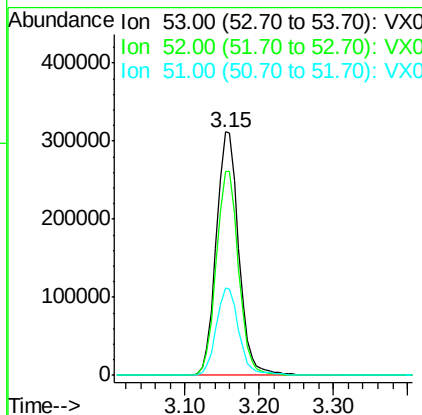
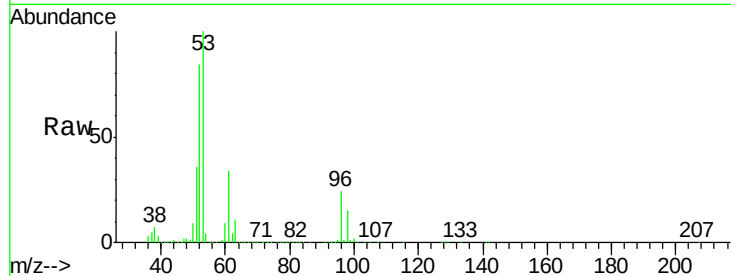
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	650254
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.1	99.1
51	36.1	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#16

Acetone

Concen: 562.68 ug/l

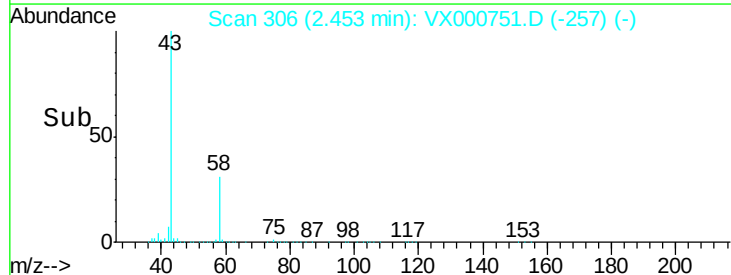
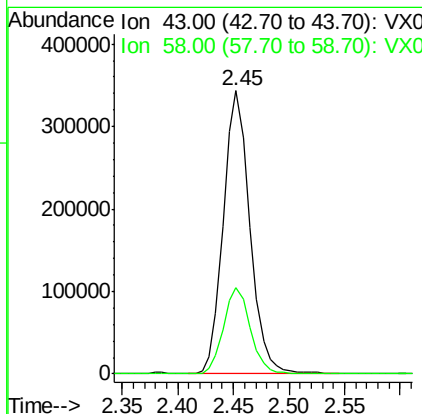
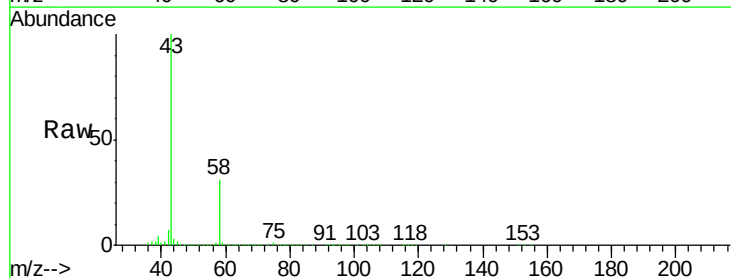
RT: 2.45 min Scan# 306

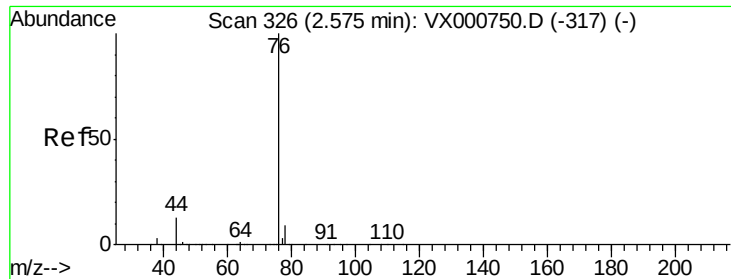
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	43	Resp:	564319
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.0	36.0





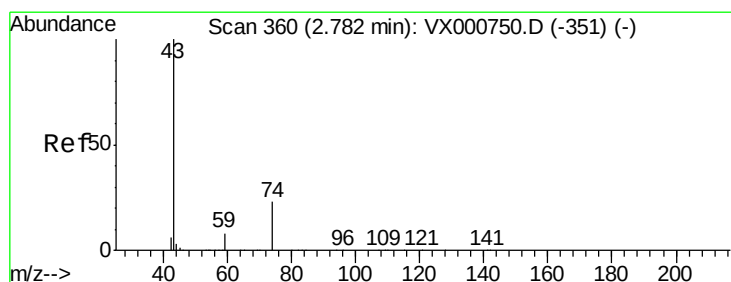
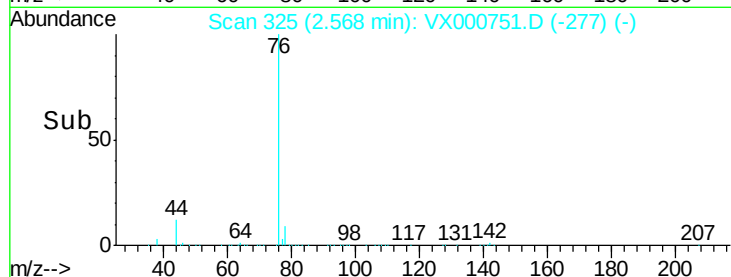
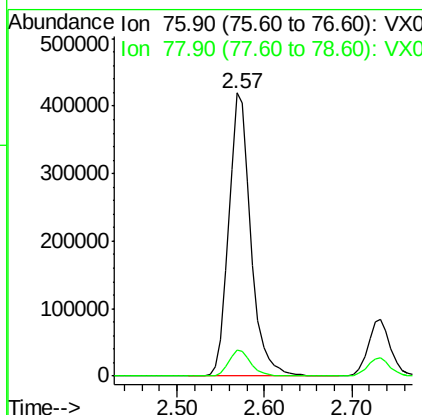
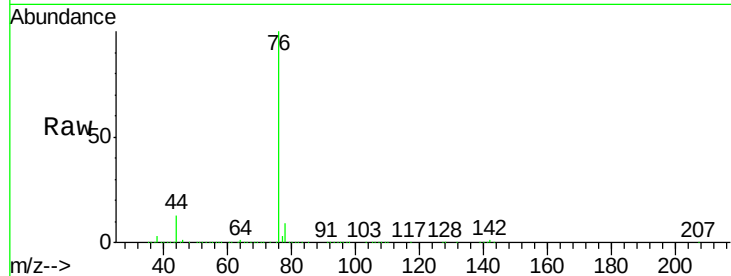
#17
Carbon Disulfide
Concen: 144.13 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

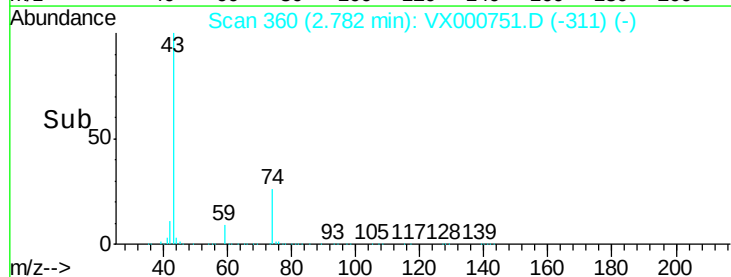
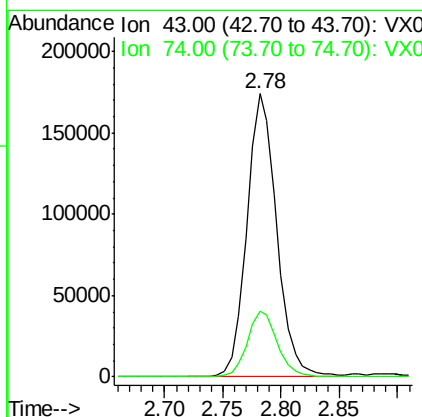
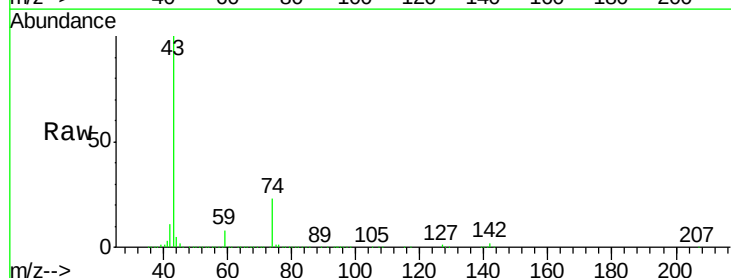
Manual Integrations
APPROVED

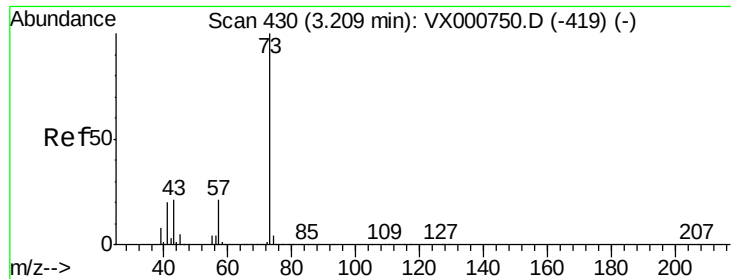
MMDadoda
4/11/2018 11:20:43 AM



#18
Methyl Acetate
Concen: 103.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.0	28.6





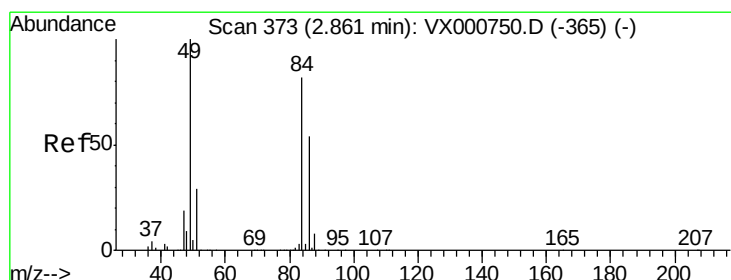
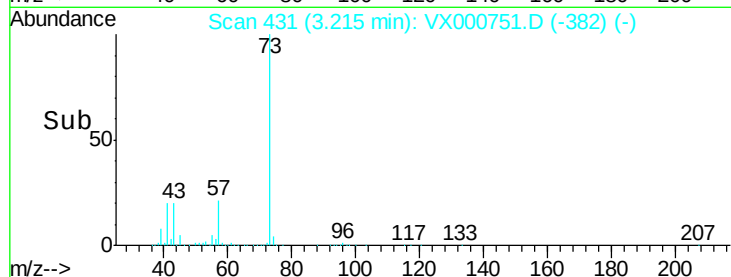
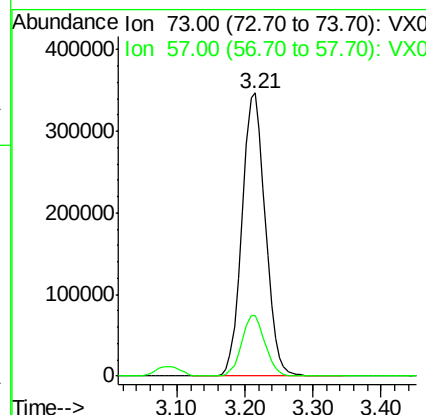
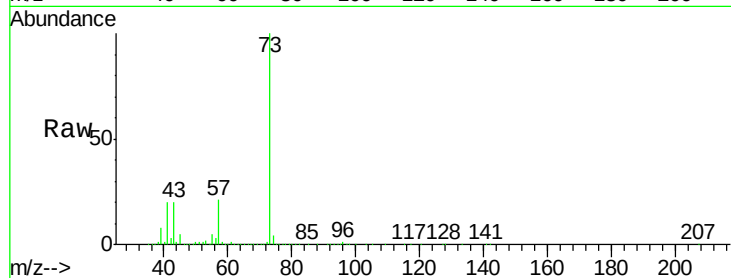
#19
Methyl tert-butyl Ether
Concen: 113.18 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.3	25.9

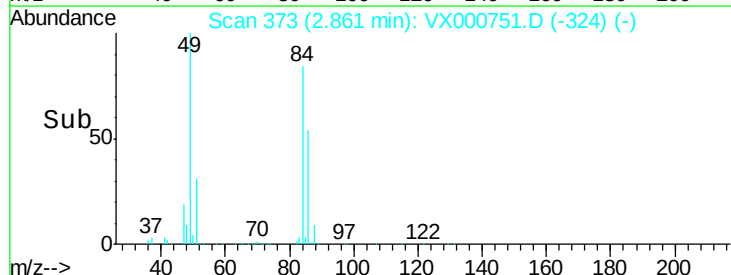
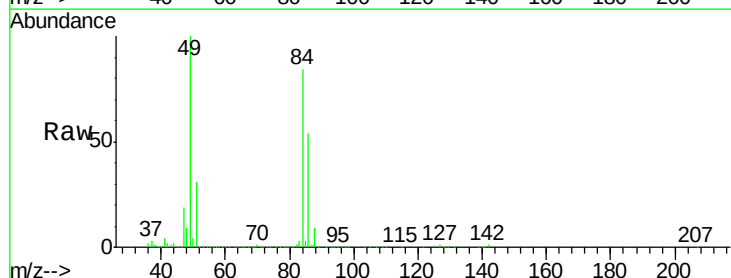
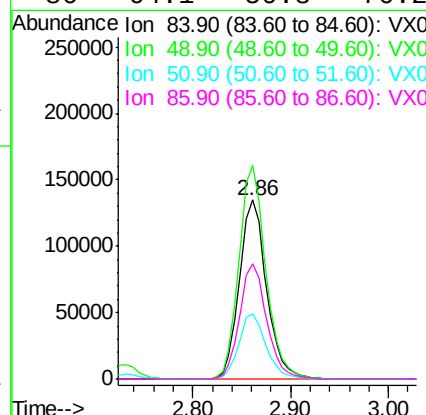
Manual Integrations
APPROVED

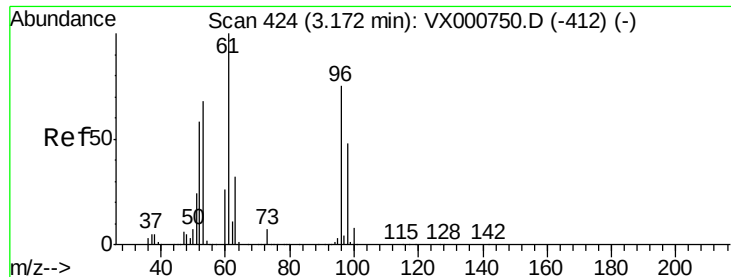
MMDadoda
4/11/2018 11:20:43 AM



#20
Methylene Chloride
Concen: 86.99 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	98.6	148.0
51	36.4	30.8	46.2
86	64.1	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 125.73 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

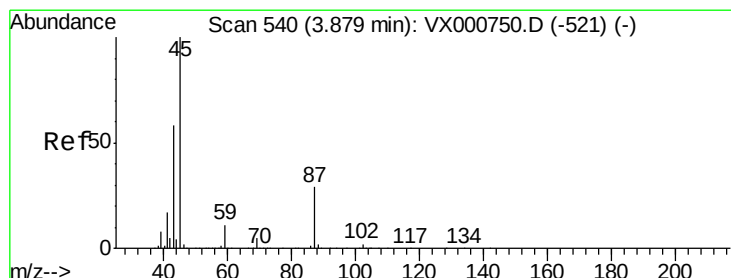
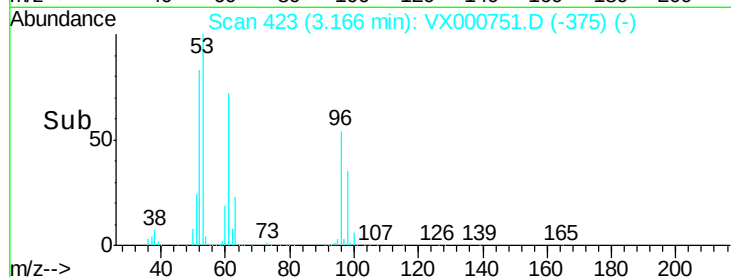
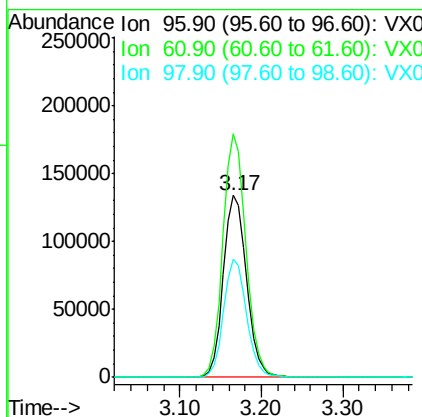
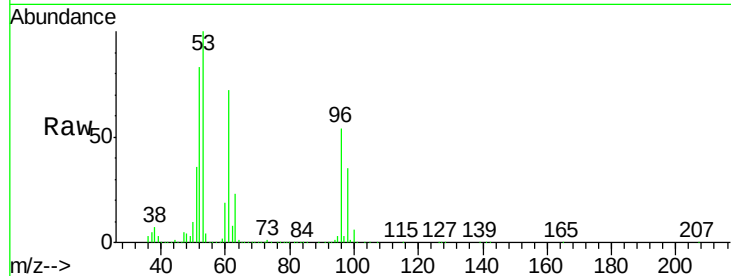
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	263380
Ion	Ratio	Lower	Upper
96	100		
61	133.9	109.8	164.6
98	64.7	51.5	77.3

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#22

Diisopropyl ether

Concen: 113.03 ug/l

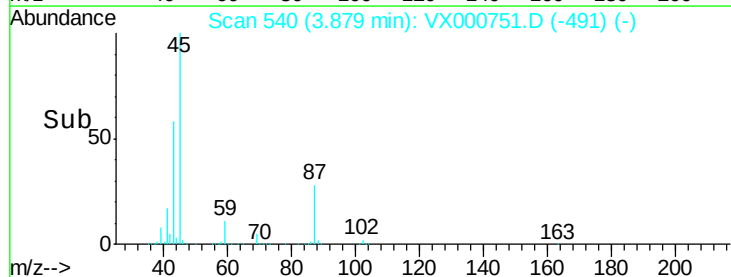
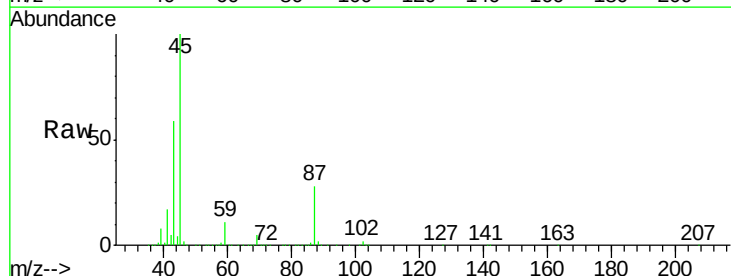
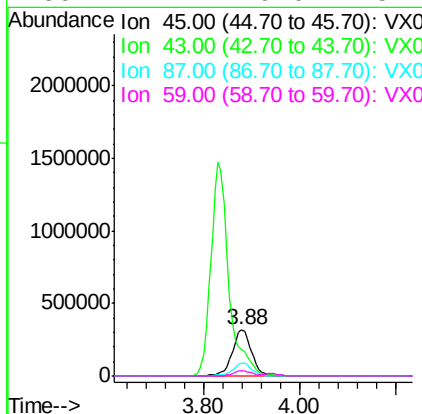
RT: 3.88 min Scan# 540

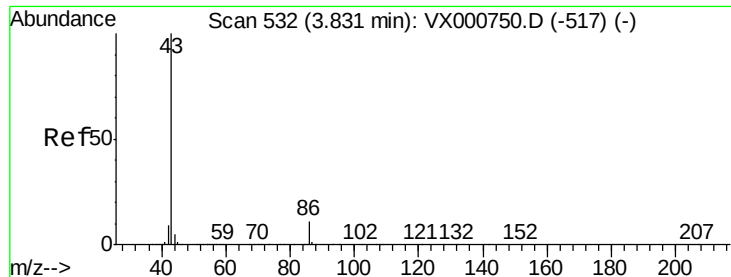
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	45	Resp:	877360
Ion	Ratio	Lower	Upper
45	100		
43	58.4	49.2	73.8
87	28.5	22.7	34.1
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 583.62 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3836219

Ion Ratio Lower Upper

43 100

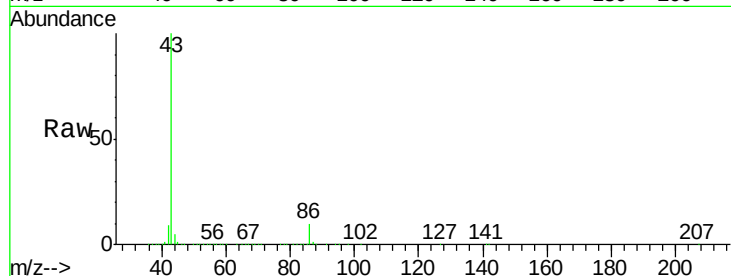
86 10.2 8.0 12.0

Manual Integrations

APPROVED

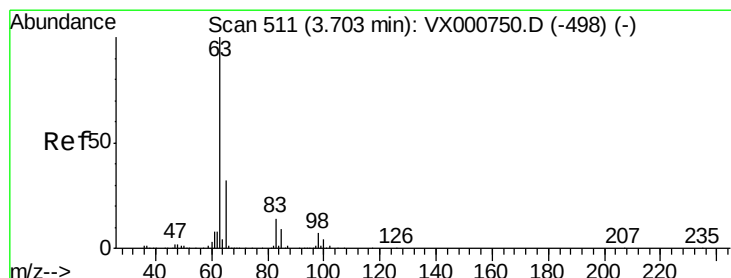
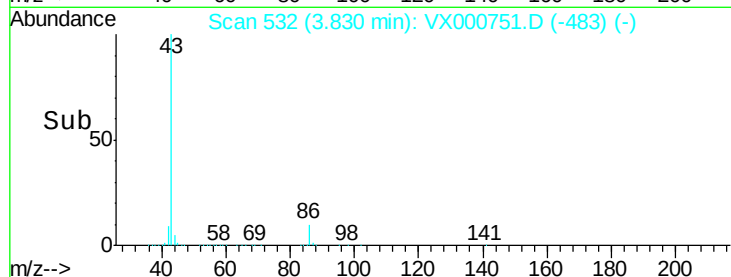
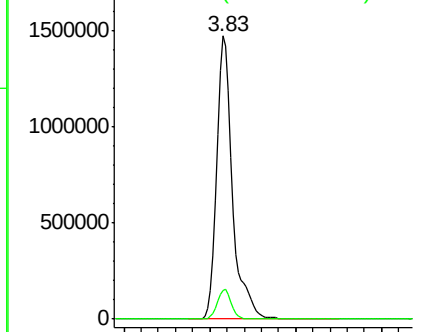
MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 113.91 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

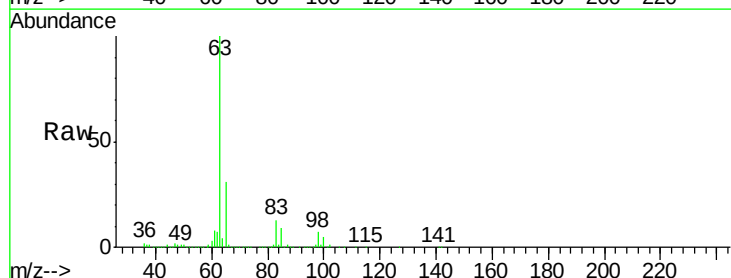
Tgt Ion: 63 Resp: 462844

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.8

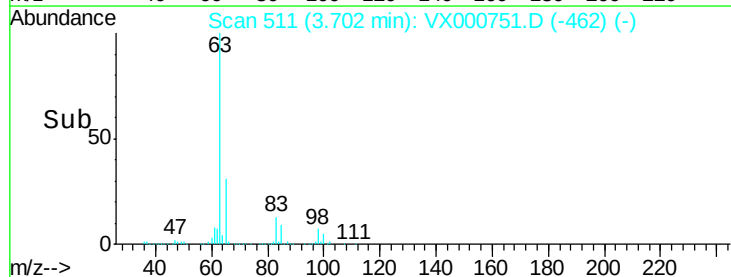
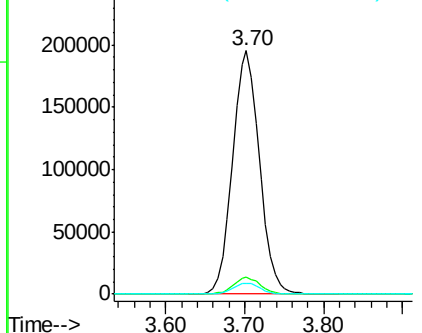
100 4.5 2.1 6.3

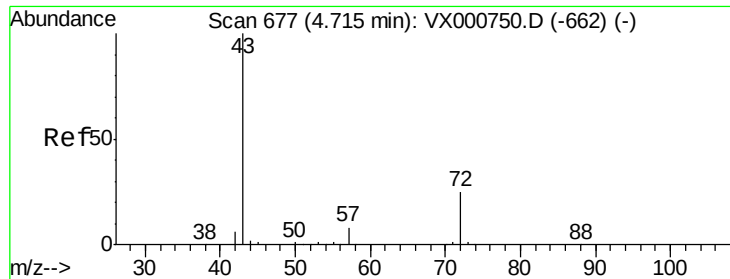


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 555.39 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tot Ion: 43 Resp: 974489

Ion Ratio Lower Upper

43 100

72 25.3 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

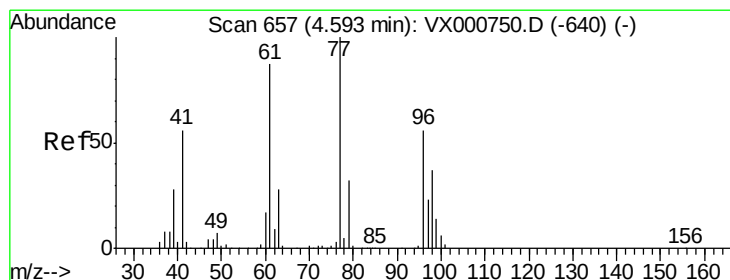
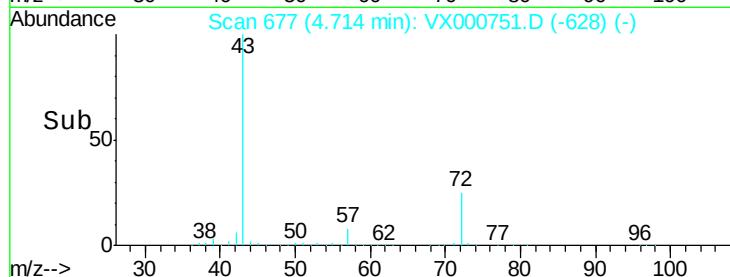
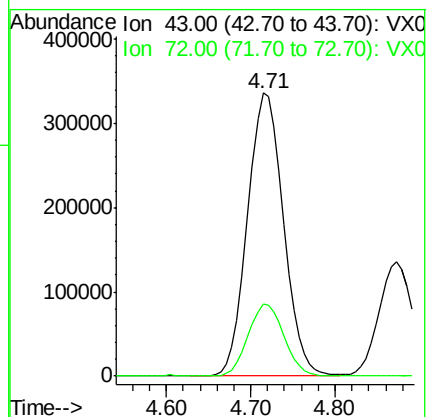
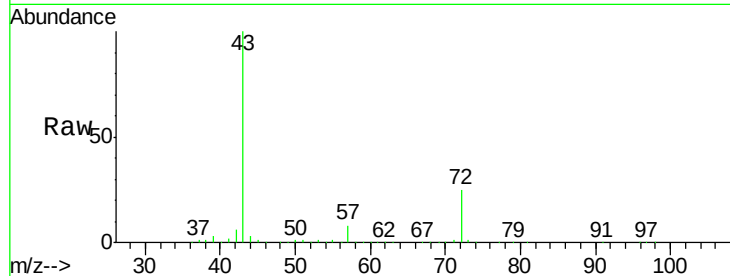
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



#26

2,2-Dichloropropane

Concen: 110.50 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000751.D

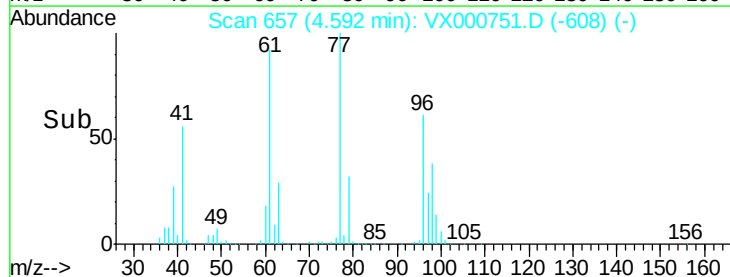
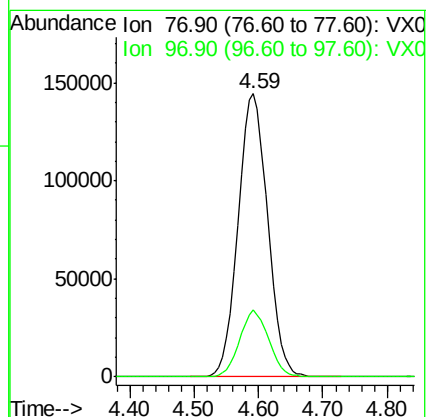
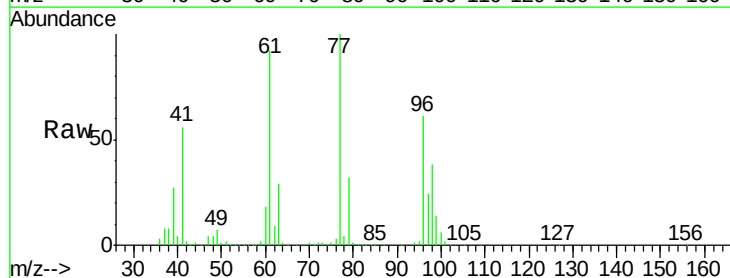
Acq: 10 Apr 2018 15:02

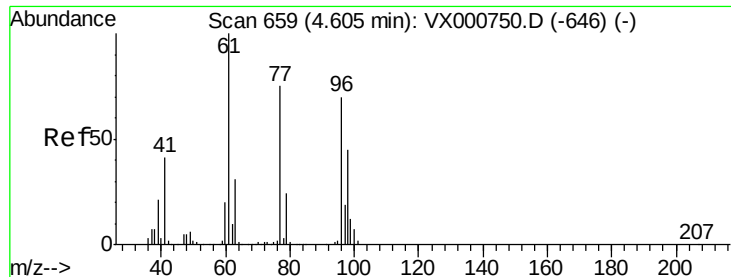
Tgt Ion: 77 Resp: 456965

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9





#27

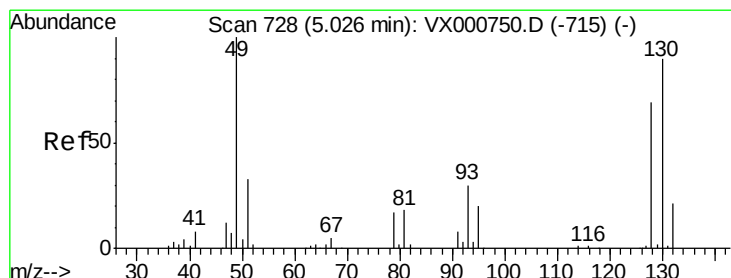
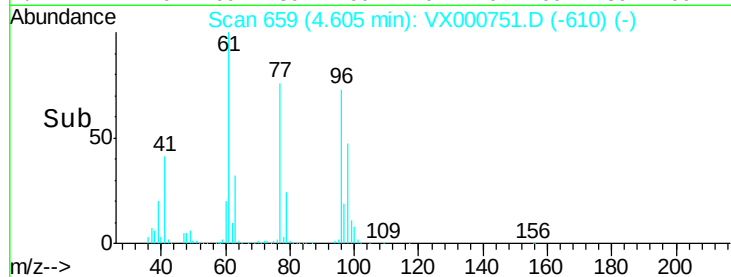
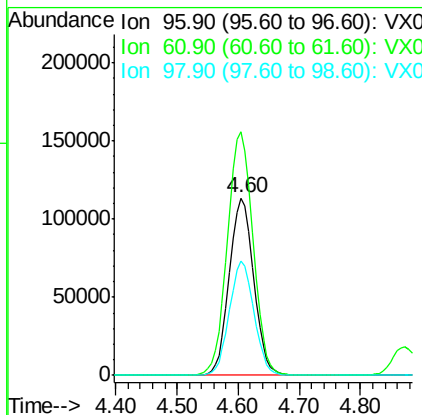
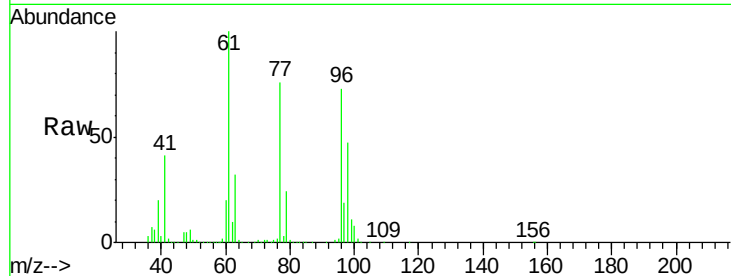
cis-1,2-Dichloroethene
Concen: 116.07 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.8	0.0	301.0	
98	65.0	0.0	129.6	

Manual Integrations
APPROVED

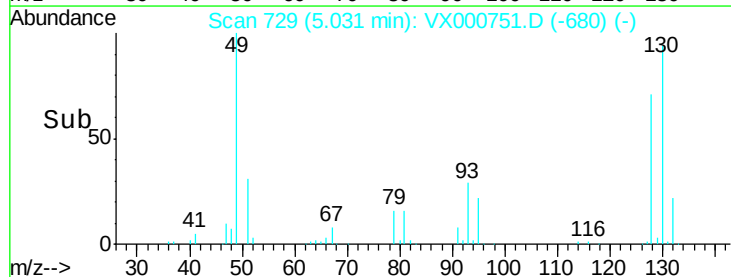
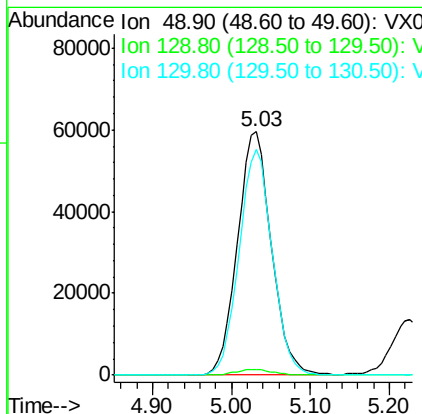
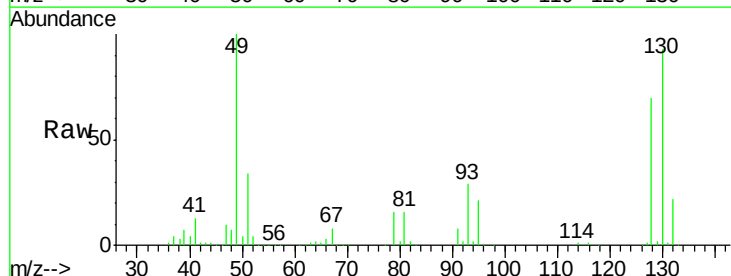
MMDadoda
4/11/2018 11:20:43 AM

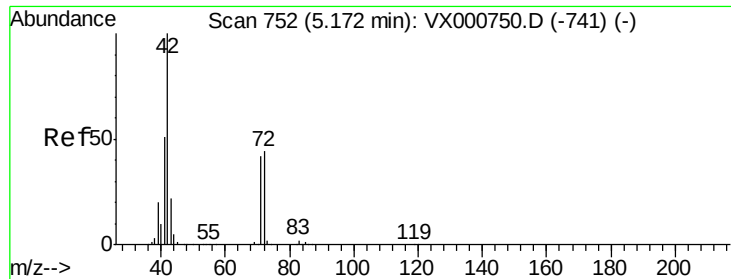


#28

Bromochloromethane
Concen: 97.31 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.4	
130	90.8	69.0	103.4	





#29

Tetrahydrofuran

Concen: 550.07 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

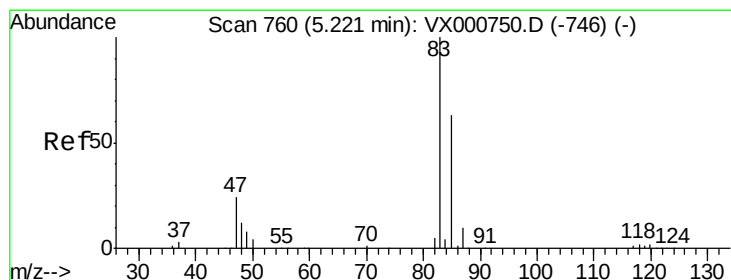
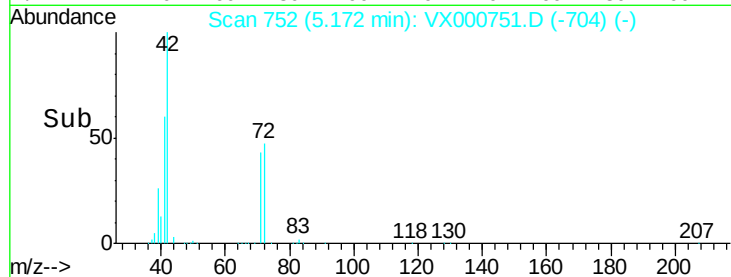
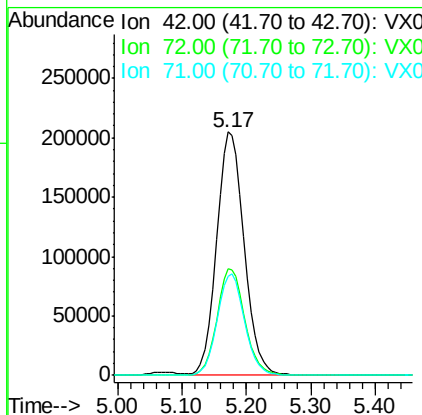
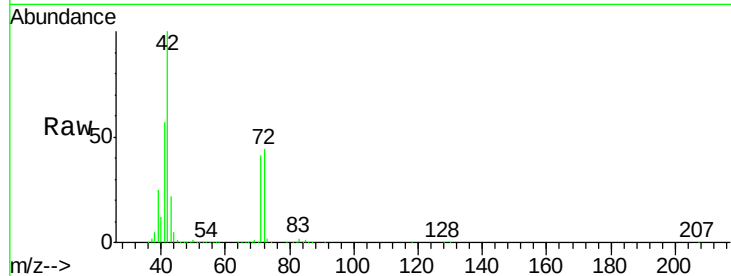
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	614185
Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.4	51.6
71	41.7	32.0	48.0

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#30

Chloroform

Concen: 113.71 ug/l

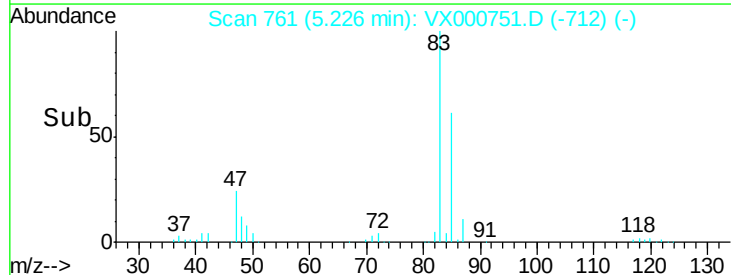
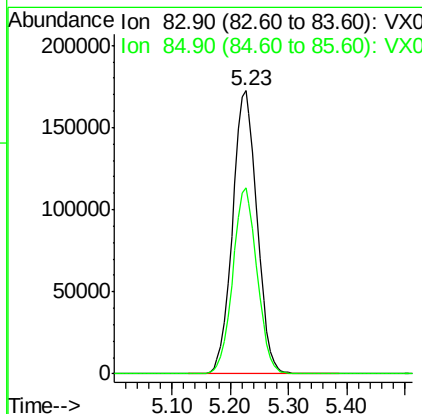
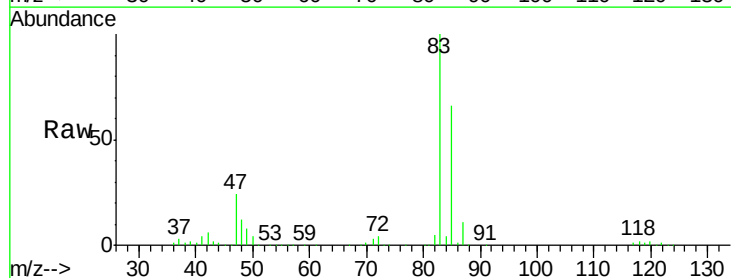
RT: 5.23 min Scan# 761

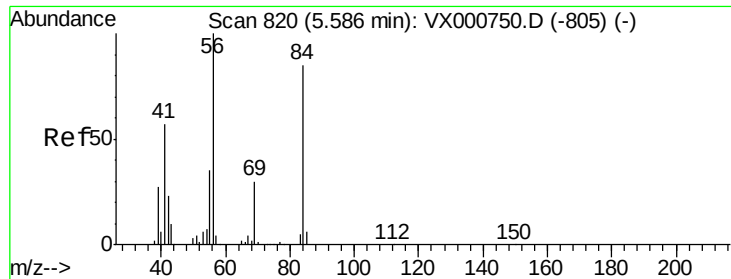
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	83	Resp:	502300
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.3	78.5





#31

Cyclohexane

Concen: 121.50 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

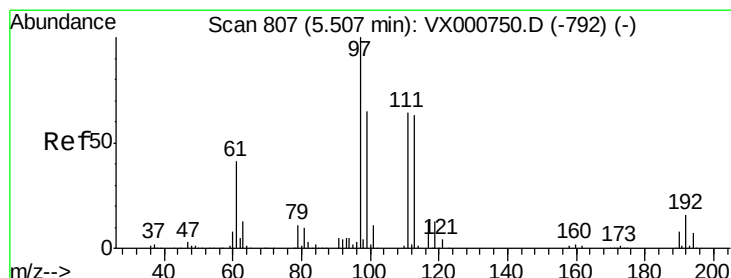
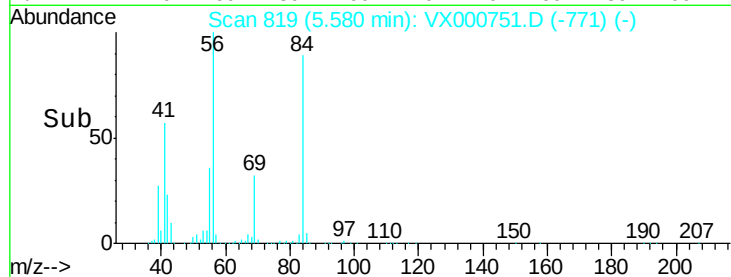
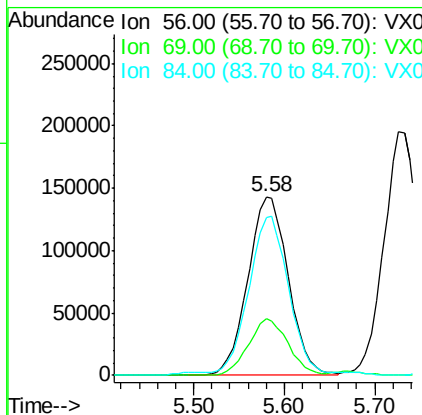
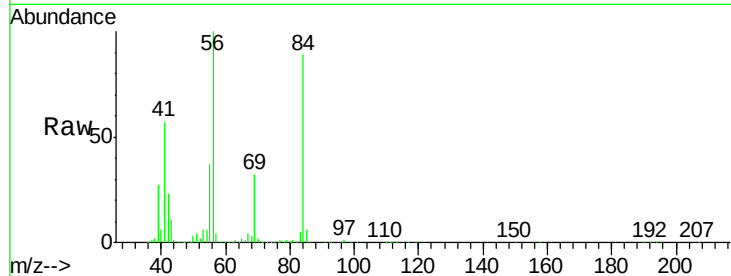
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	439636
Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.8	35.6
84	87.2	67.4	101.2

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#32

1,1,1-Trichloroethane

Concen: 113.87 ug/l

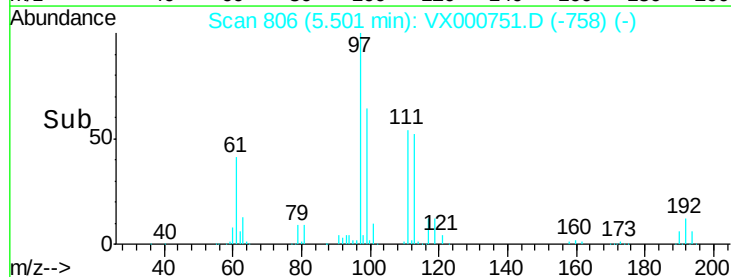
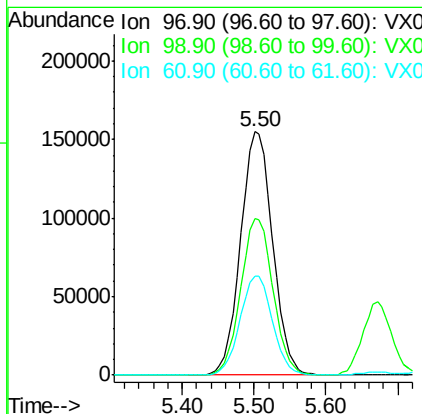
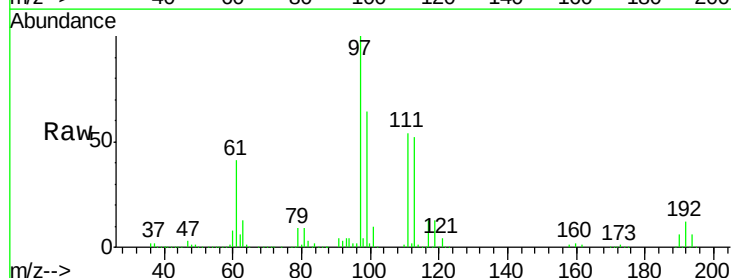
RT: 5.50 min Scan# 806

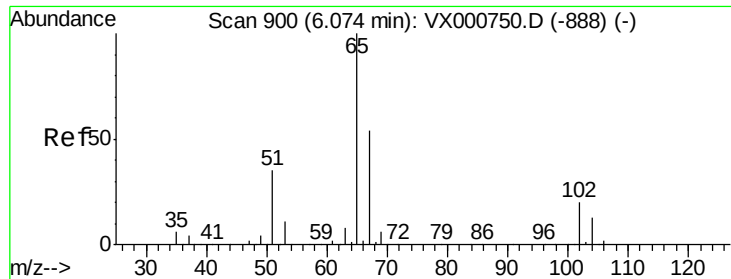
Delta R.T. -0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	97	Resp:	479376
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	41.2	34.2	51.4





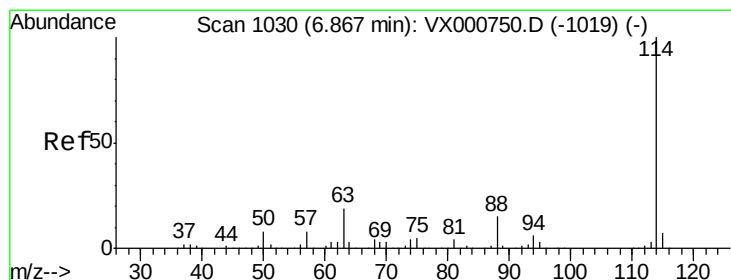
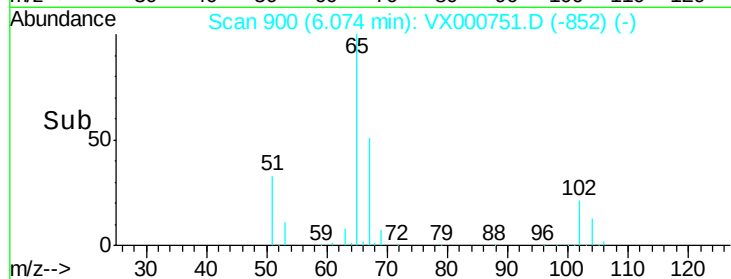
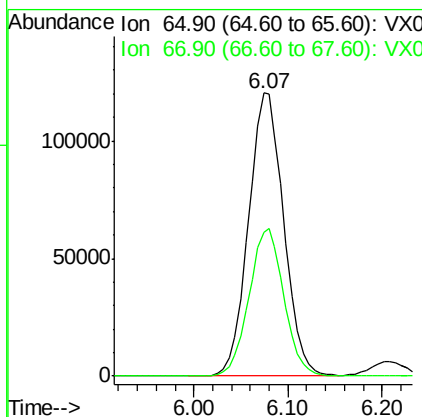
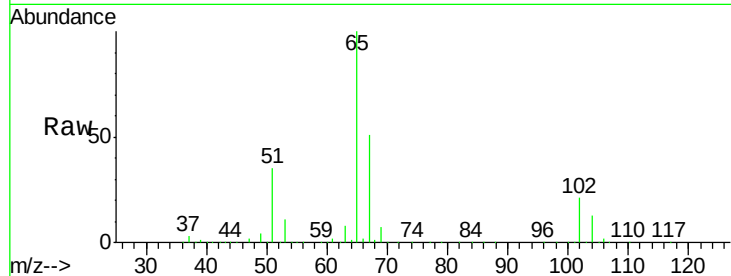
#33
 1,2-Dichloroethane-d4
 Concen: 98.63 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	315332		
67	51.6	0.0	102.6	

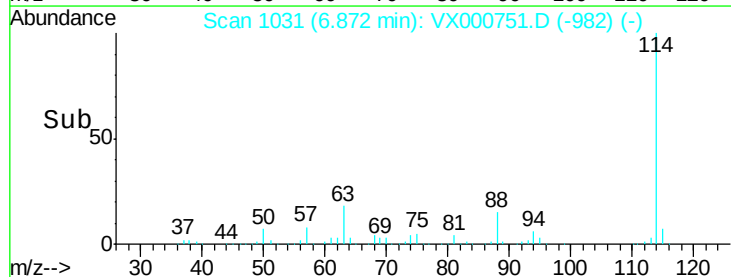
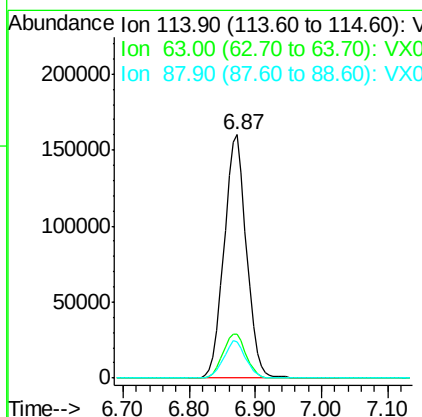
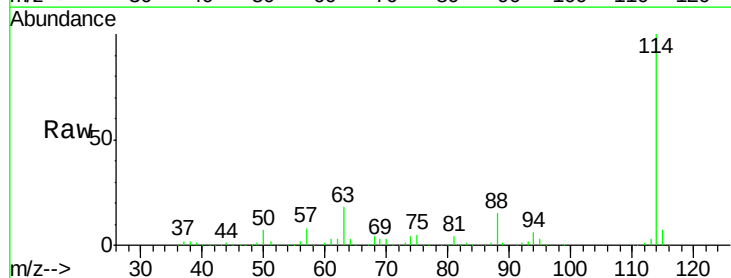
Manual Integrations
 APPROVED

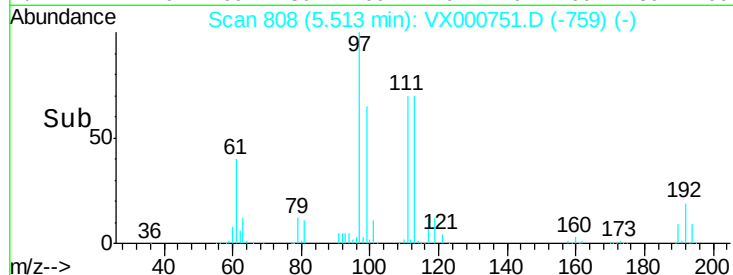
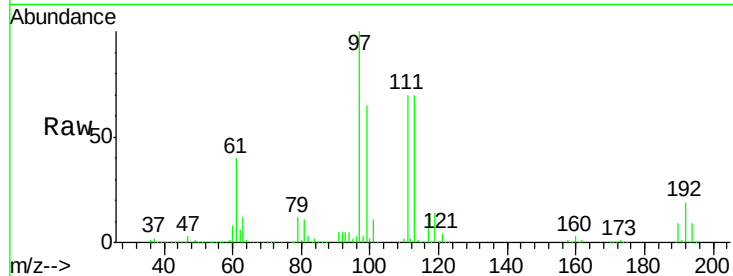
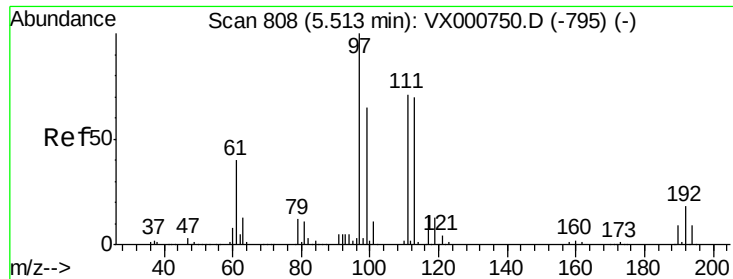
MMDadoda
 4/11/2018 11:20:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	373319		
63	18.2	0.0	39.6	
88	14.7	0.0	30.6	





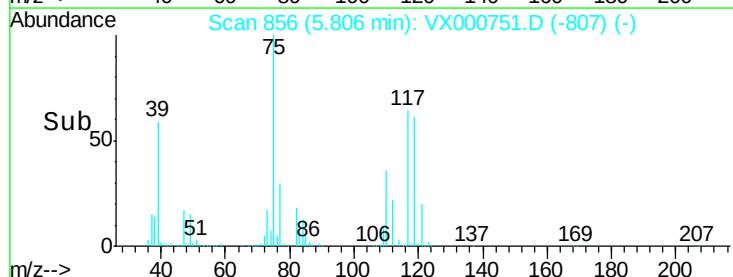
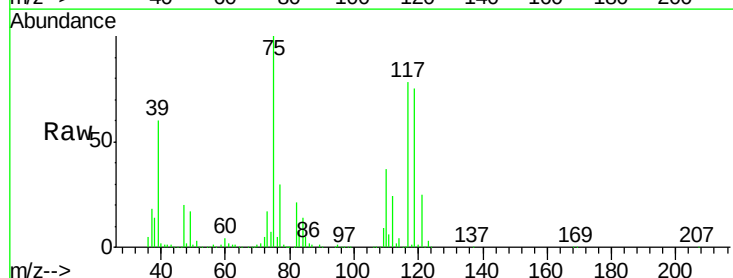
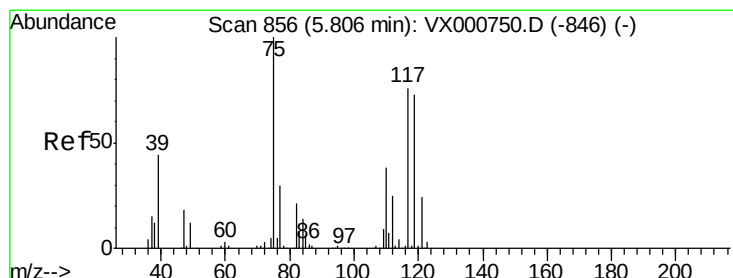
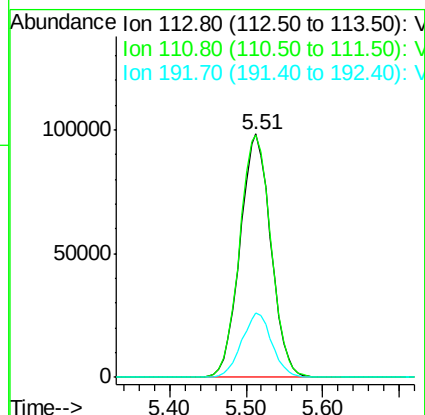
#35
Dibromofluoromethane
Concen: 113.75 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	274473		
111	101.7	81.5	122.3	
192	26.0	20.0	30.0	

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

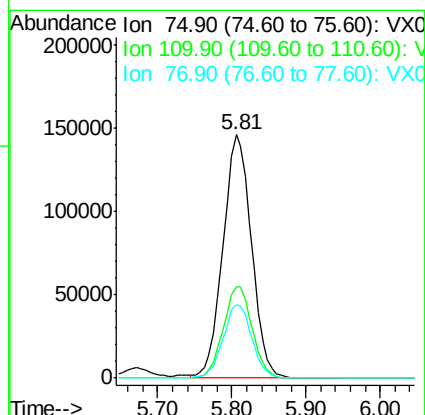
Manual Integrations
APPROVED

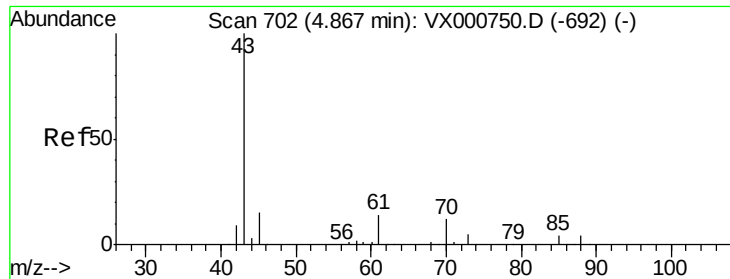
MMDadoda
4/11/2018 11:20:43 AM



#36
1,1-Dichloropropene
Concen: 121.46 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	388349		
110	38.1	18.6	56.0	
77	30.5	24.6	37.0	





#37

Ethyl Acetate

Concen: 113.03 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

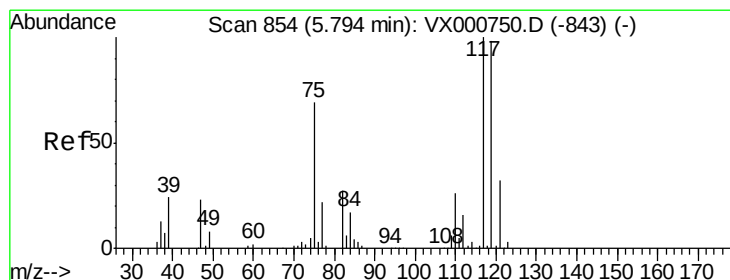
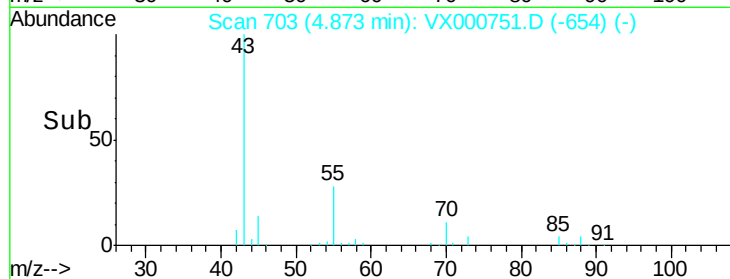
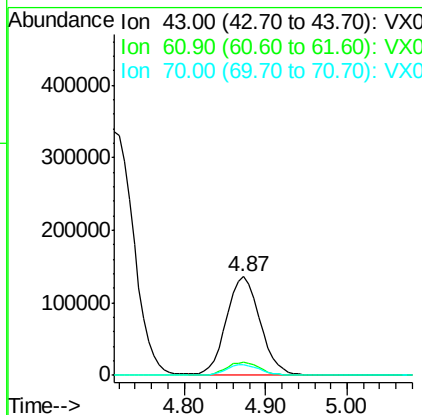
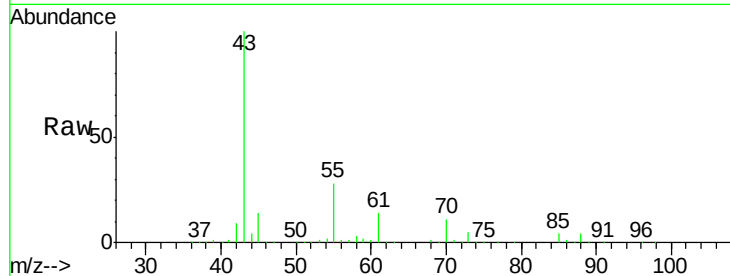
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	390099
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#38

Carbon Tetrachloride

Concen: 119.50 ug/l

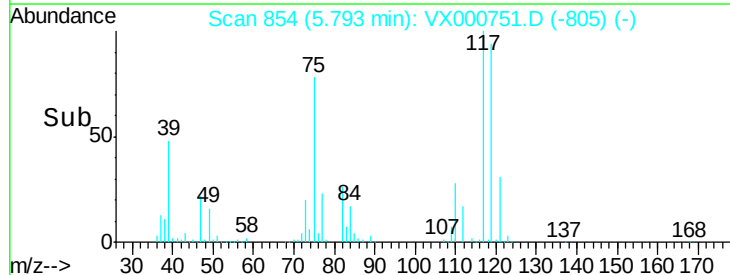
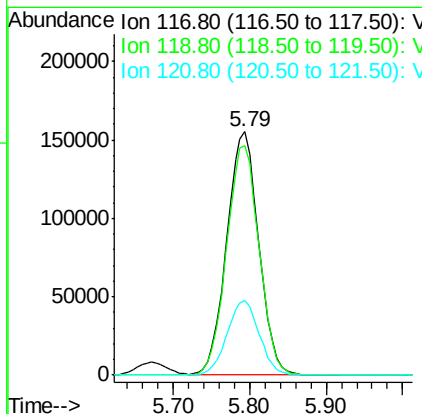
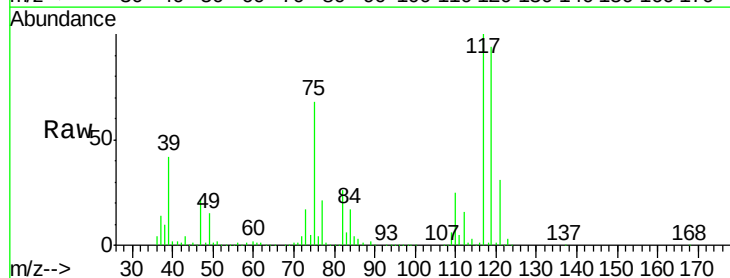
RT: 5.79 min Scan# 854

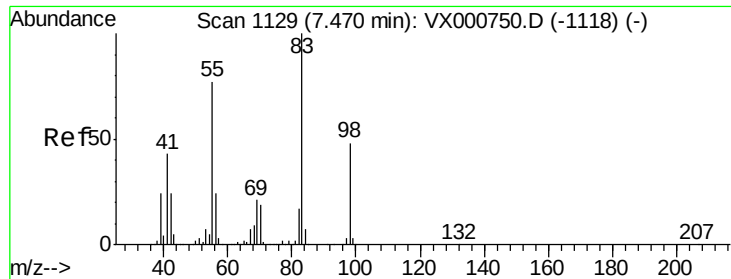
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	117	Resp:	447706
Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.7	115.1
121	30.7	24.7	37.1





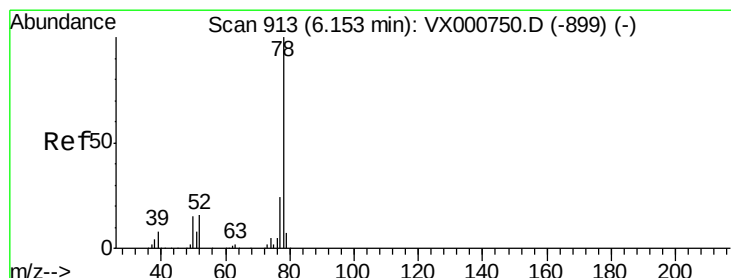
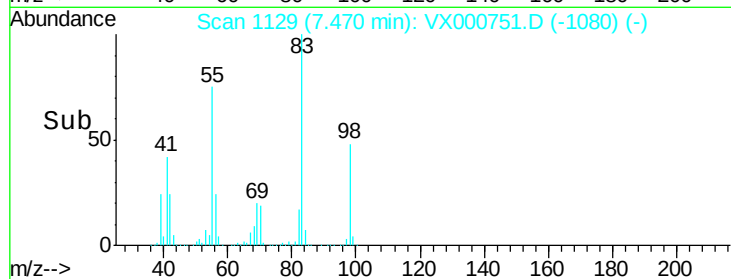
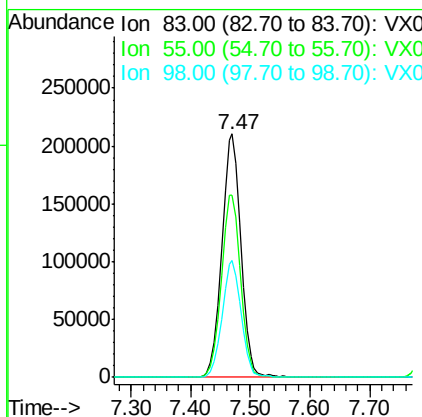
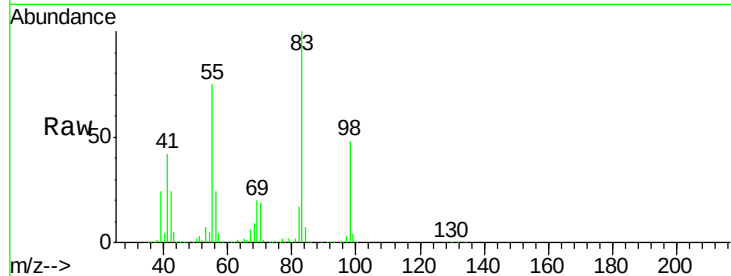
#39
Methylvlcyclohexane
Concen: 124.90 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	469441
Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.7	95.5
98	47.8	37.2	55.8

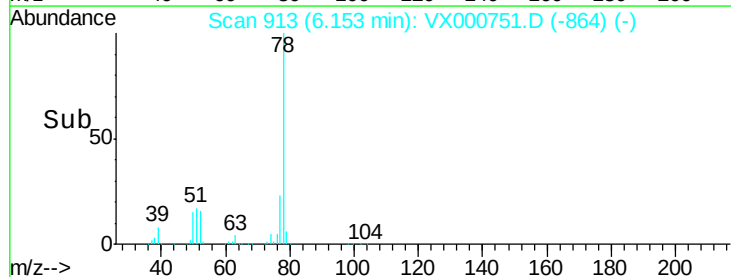
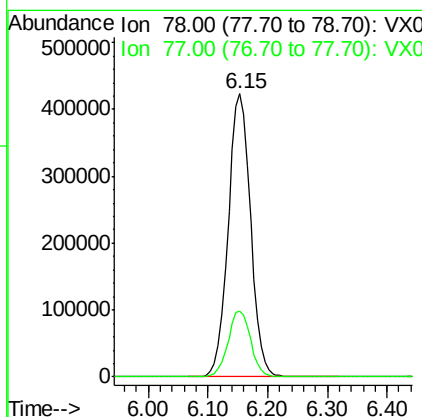
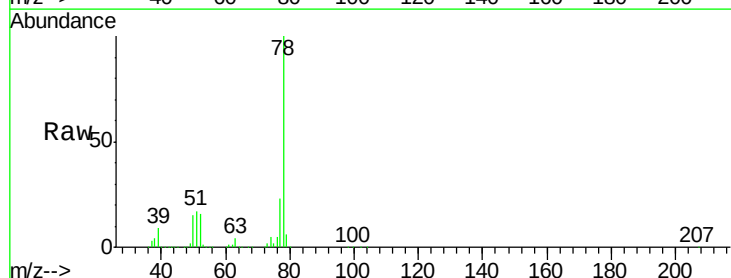
Manual Integrations
APPROVED

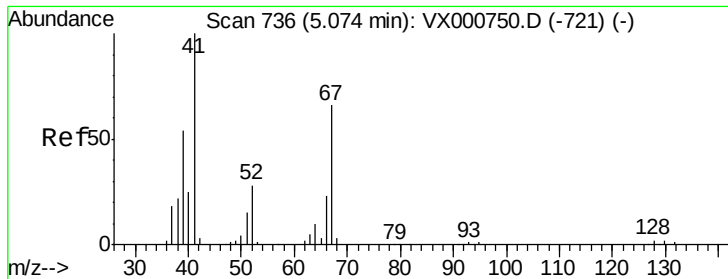
MMDadoda
4/11/2018 11:20:43 AM



#40
Benzene
Concen: 122.69 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	78	Resp	1103421
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41

Methacrylonitrile

Concen: 111.70 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

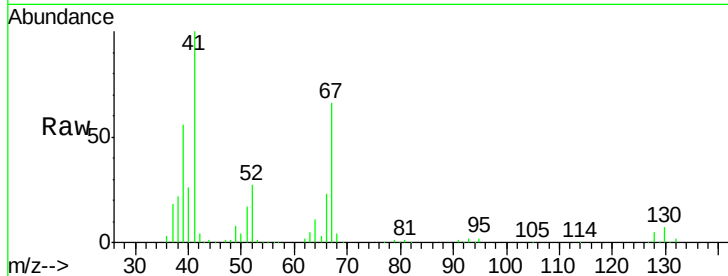
VSTDIC100

Tot Ion: 41 Resp: 223336

Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.3	67.9
67	68.7	52.7	79.1
52	28.5	22.3	33.5

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM

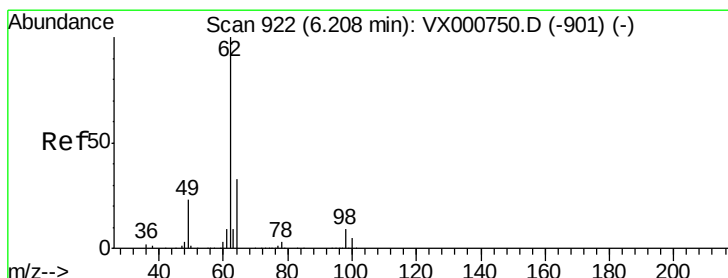
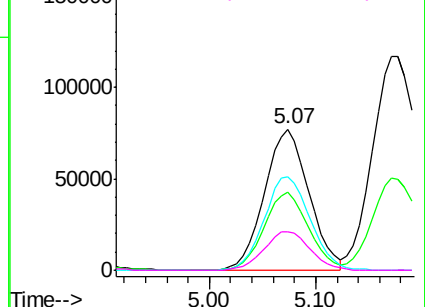
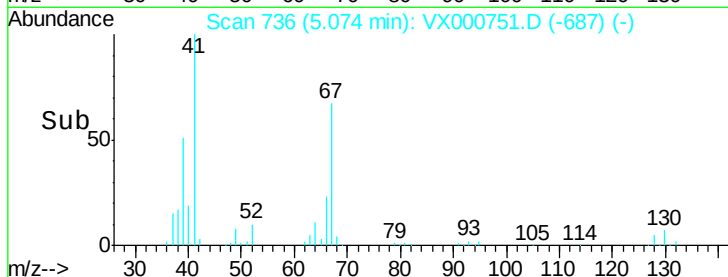


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 114.39 ug/l

RT: 6.21 min Scan# 922

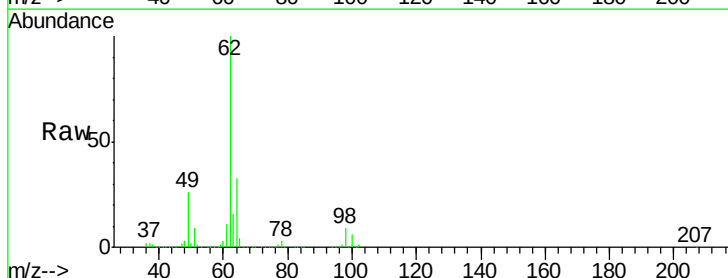
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

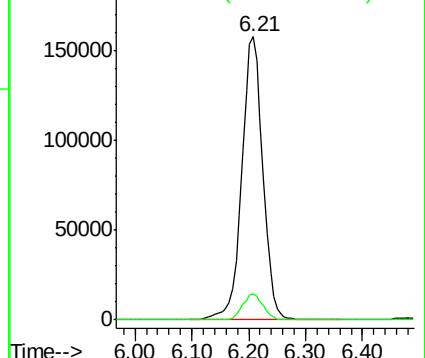
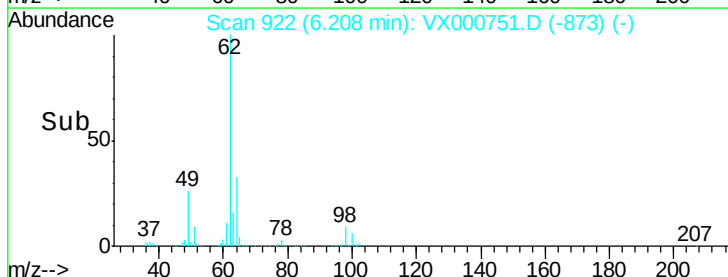
Tgt Ion: 62 Resp: 405784

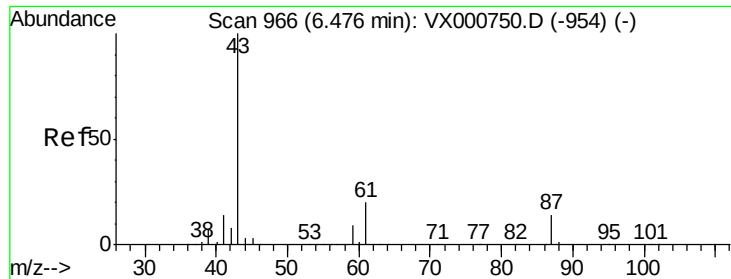
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

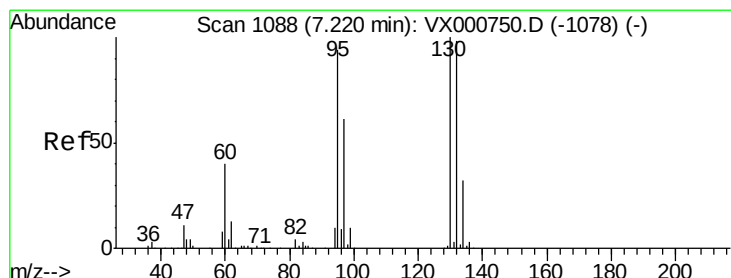
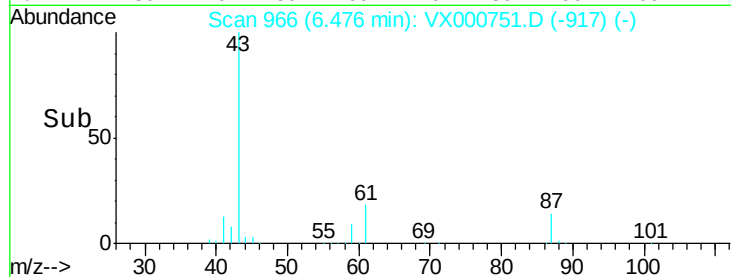
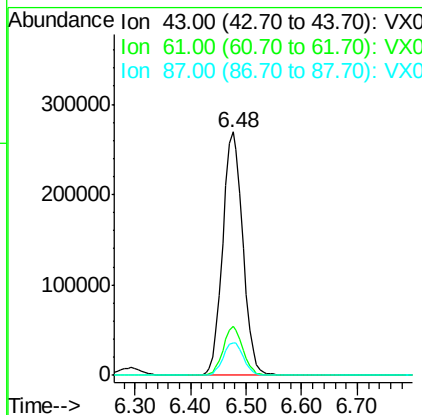
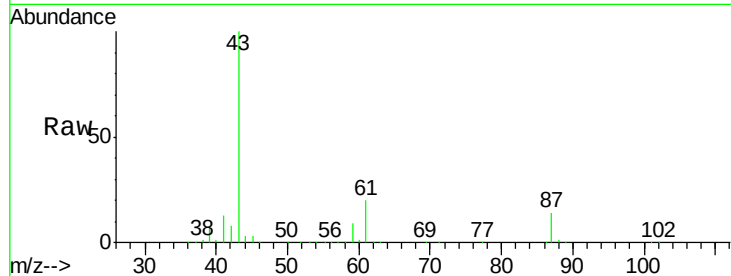
Isopropyl Acetate
 Concen: 111.62 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.7	10.4	15.6

Manual Integrations
 APPROVED

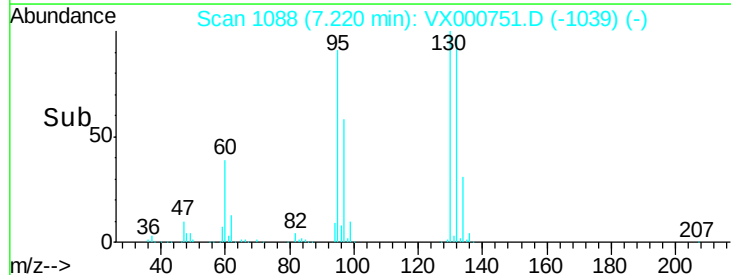
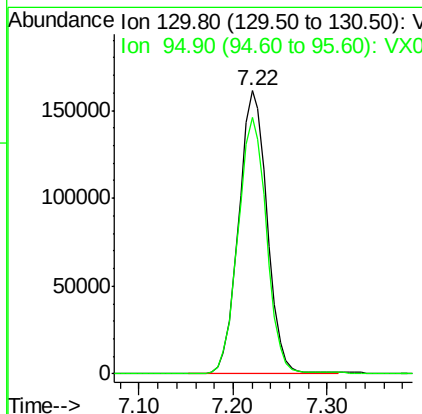
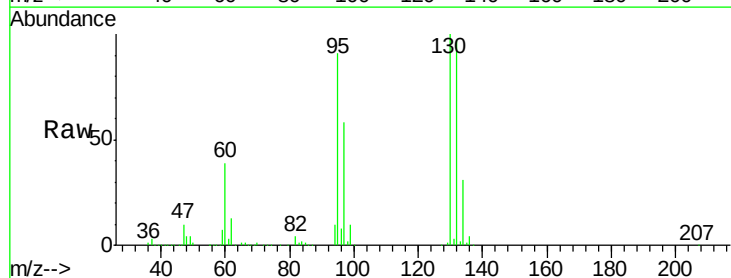
MMDadoda
 4/11/2018 11:20:43 AM

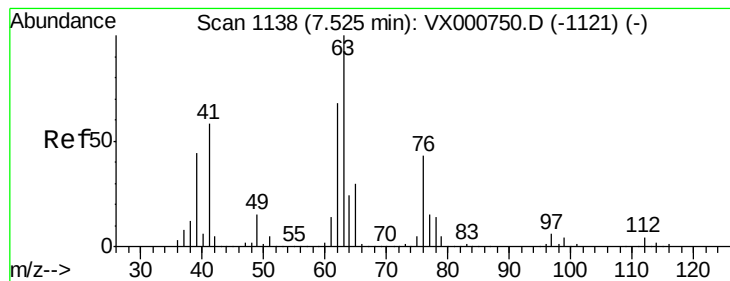


#44

Trichloroethene
 Concen: 124.64 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	185.4





#45

1,2-Dichloropropane

Concen: 117.26 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 282773

Ion Ratio Lower Upper

63 100

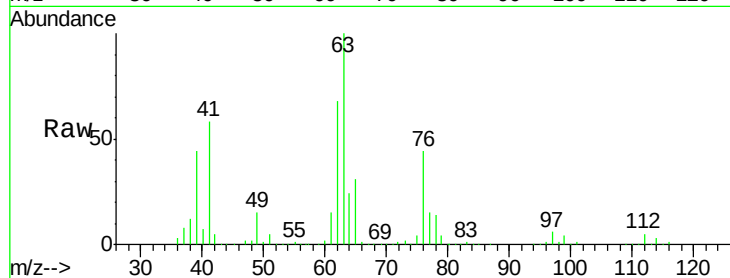
65 31.1 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

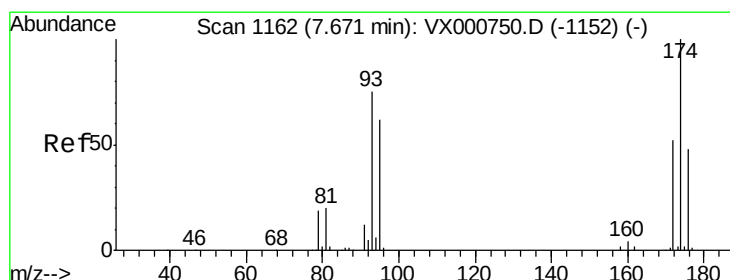
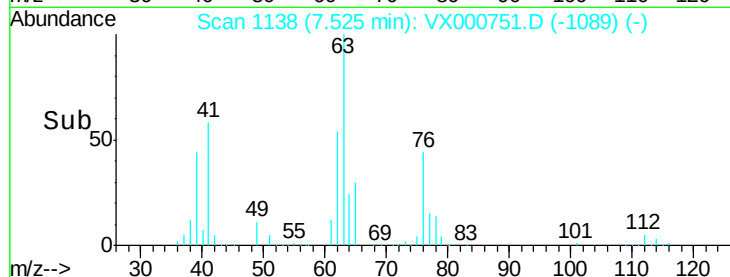
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 117.13 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

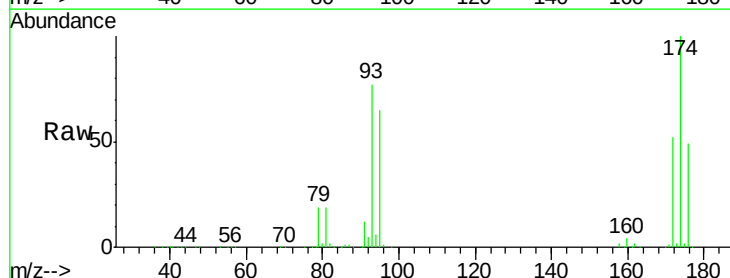
Tgt Ion: 93 Resp: 196034

Ion Ratio Lower Upper

93 100

95 83.9 66.0 99.0

174 131.7 100.2 150.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

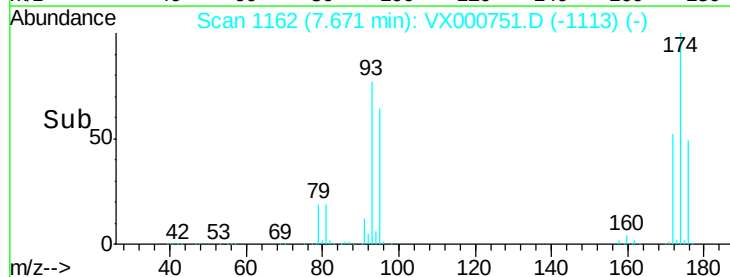
150000

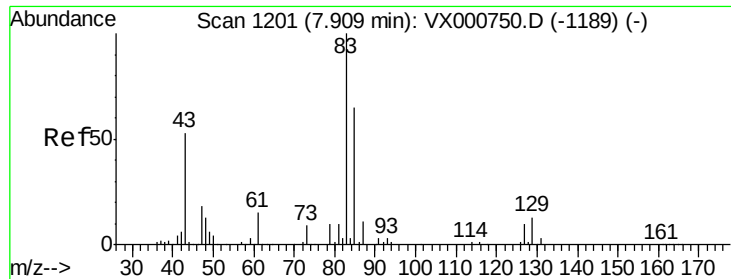
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 116.80 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

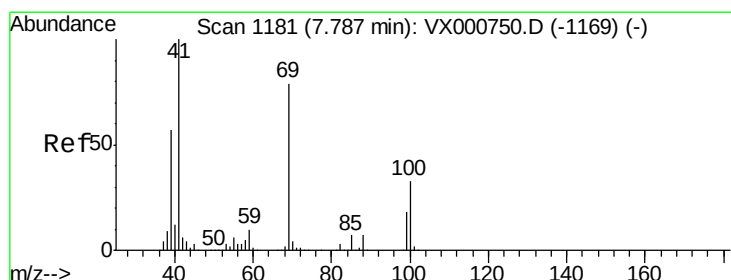
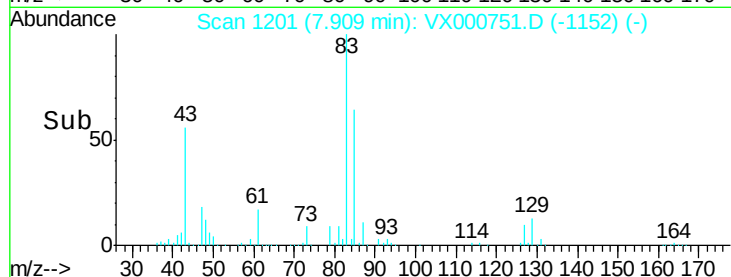
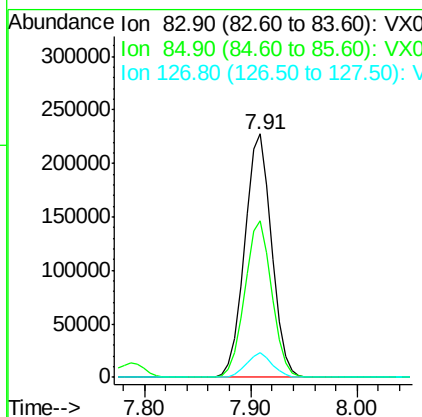
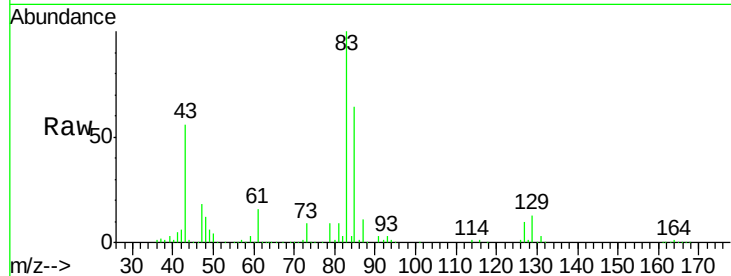
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	404488
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.0	76.4
127	10.1	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#48

Methyl methacrylate

Concen: 114.65 ug/l

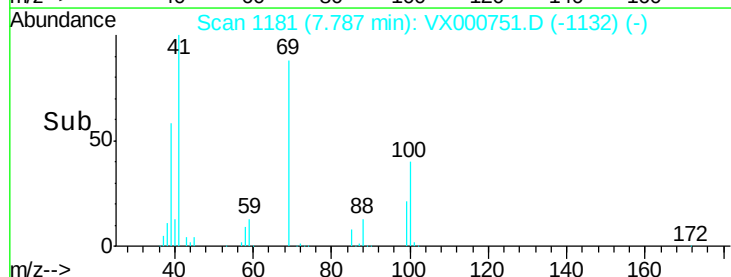
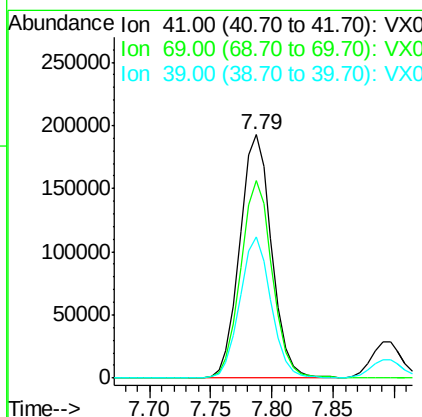
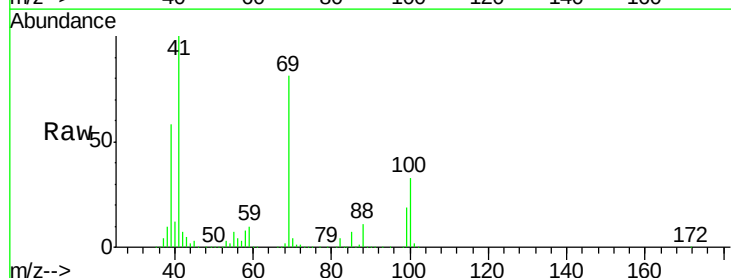
RT: 7.79 min Scan# 1181

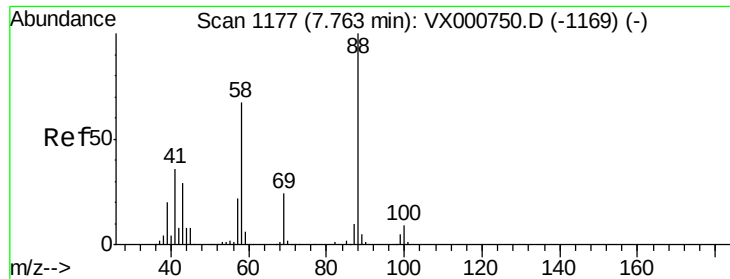
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	41	Resp:	346685
Ion	Ratio	Lower	Upper
41	100		
69	80.4	62.0	93.0
39	57.0	47.0	70.4





#49

1,4-Dioxane

Concen: 2254.66 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

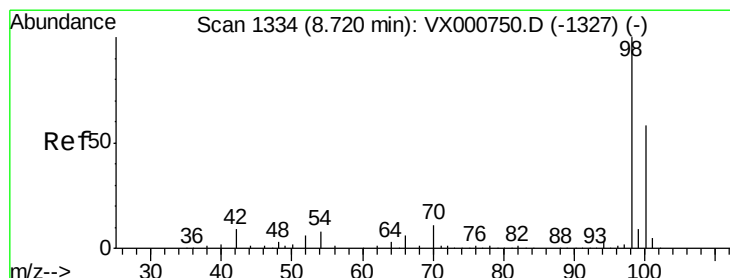
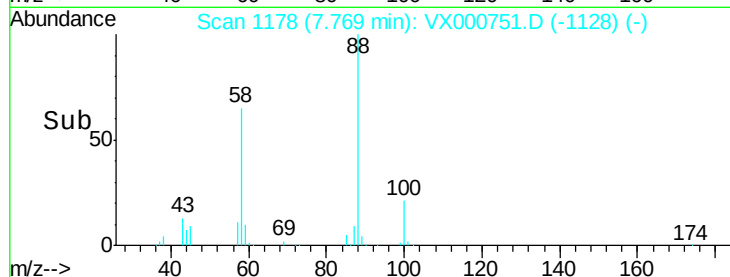
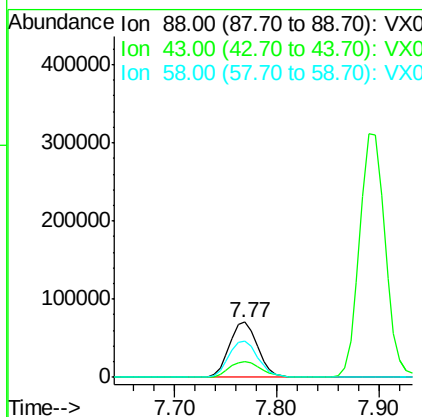
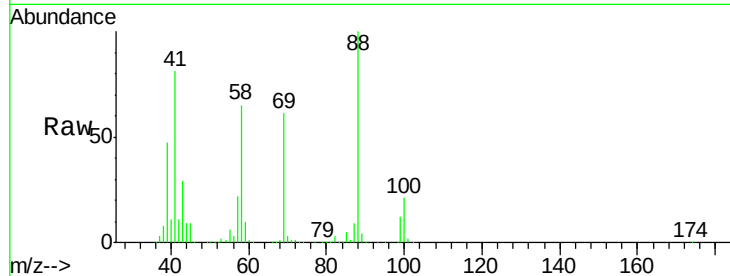
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	135311
Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.9	41.9
58	67.9	57.0	85.4

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#50

Toluene-d8

Concen: 109.44 ug/l

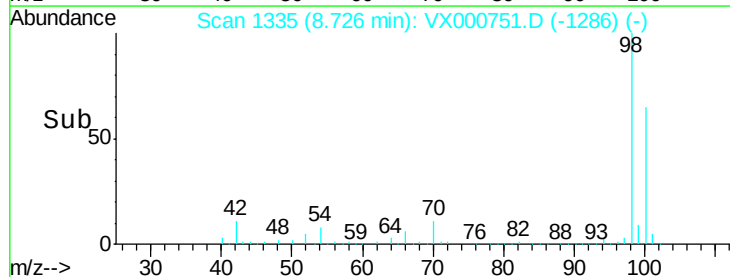
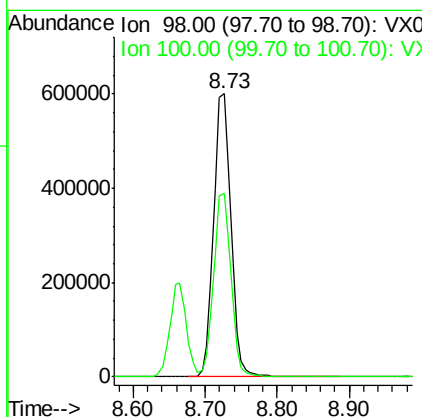
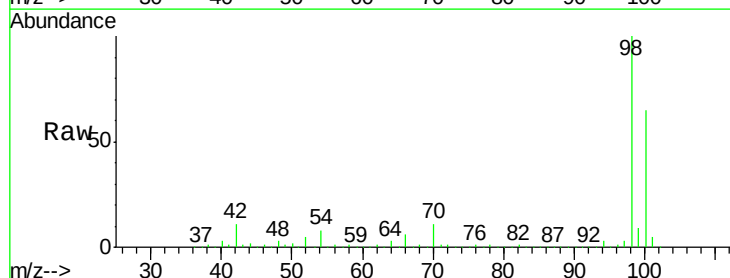
RT: 8.73 min Scan# 1335

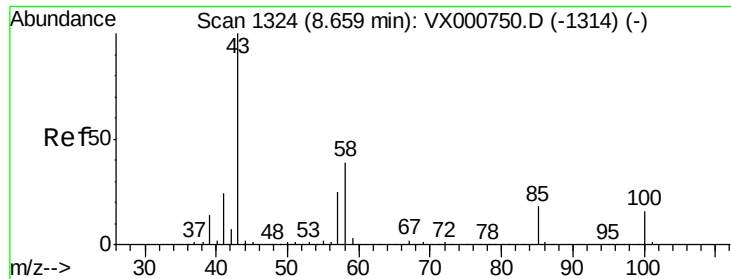
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	98	Resp:	1000835
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 572.02 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1991822

Ion Ratio Lower Upper

43 100

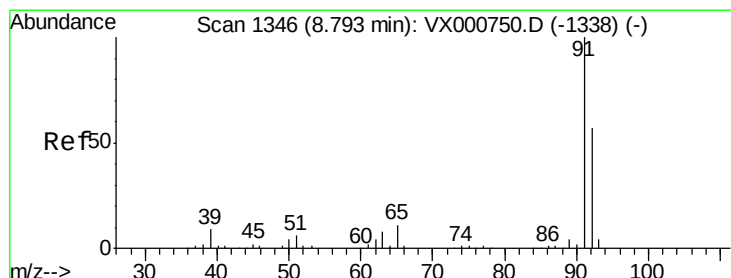
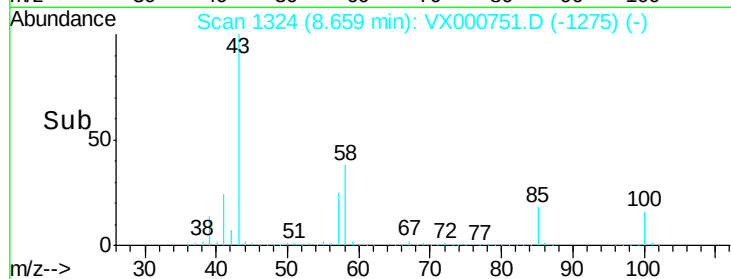
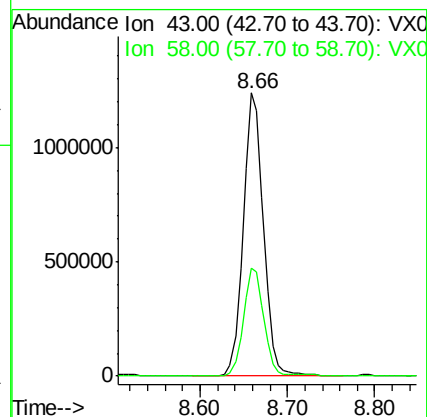
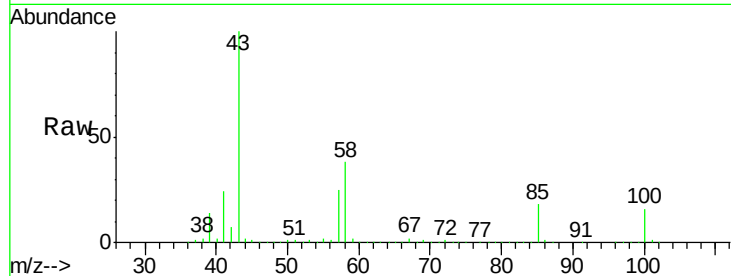
58 38.3 30.6 46.0

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



#52

Toluene

Concen: 121.61 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000751.D

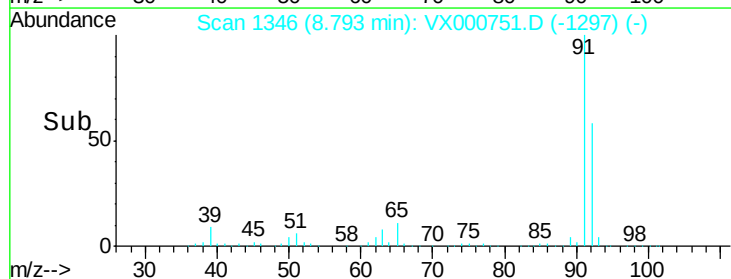
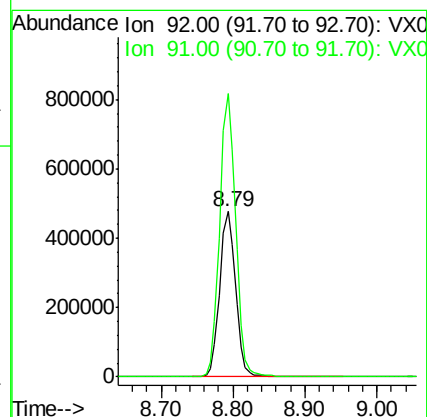
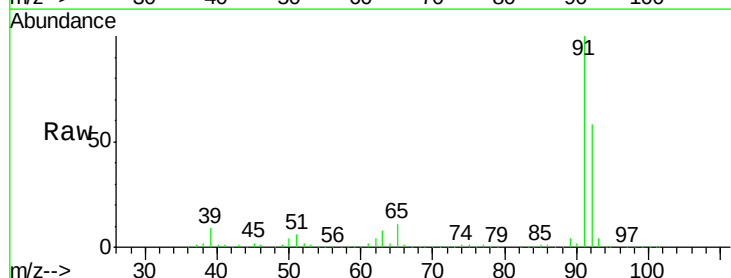
Acq: 10 Apr 2018 15:02

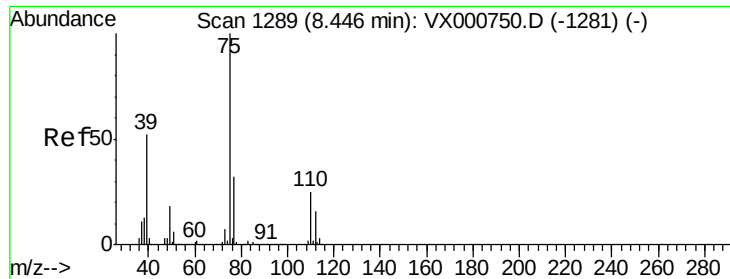
Tgt Ion: 92 Resp: 729167

Ion Ratio Lower Upper

92 100

91 171.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 118.49 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 488249

Ion Ratio Lower Upper

75 100

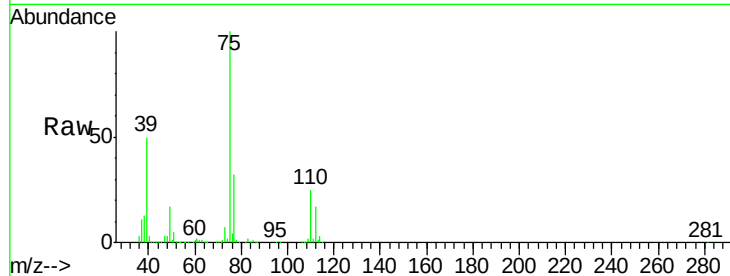
77 31.9 25.4 38.0

Manual Integrations

APPROVED

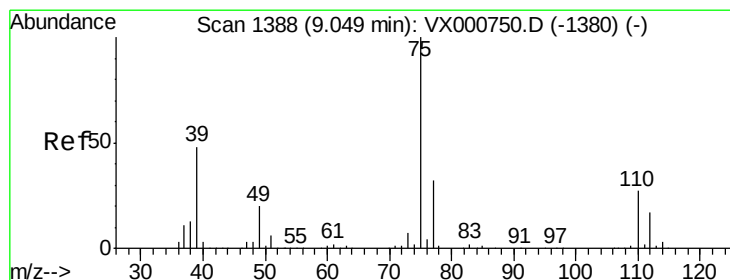
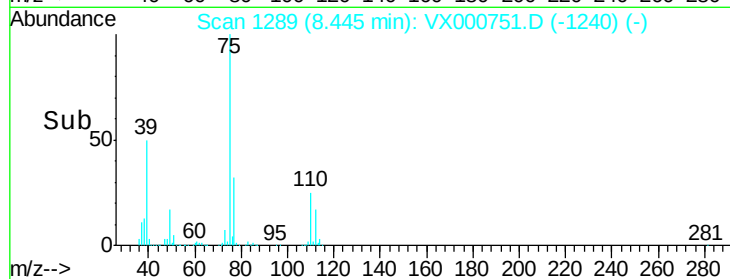
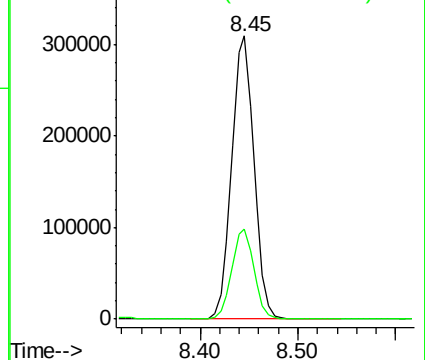
MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 116.25 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

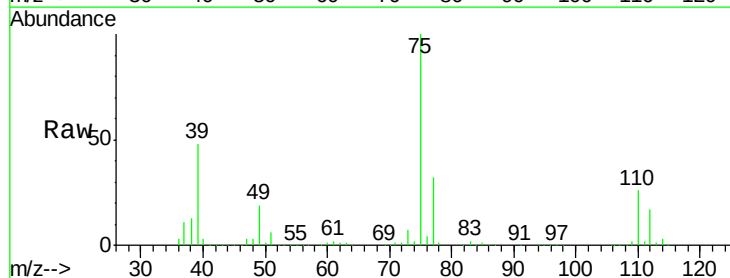
Tgt Ion: 75 Resp: 475704

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

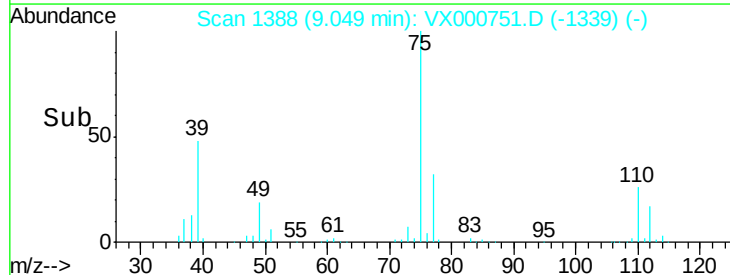
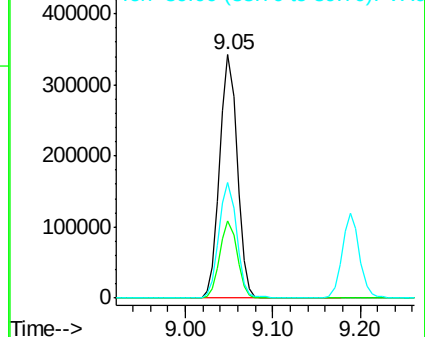
39 47.7 40.5 60.7

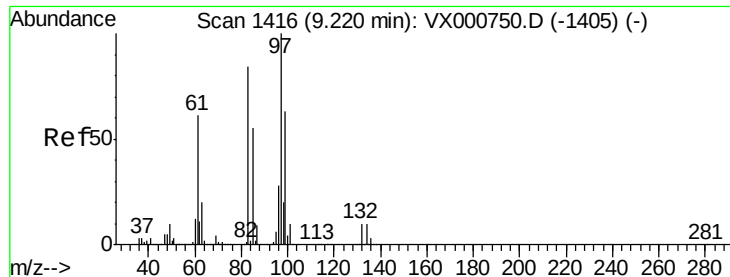


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





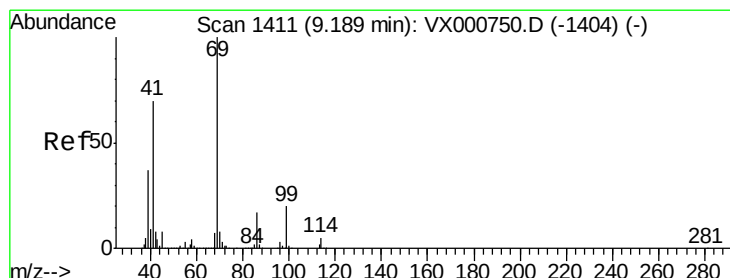
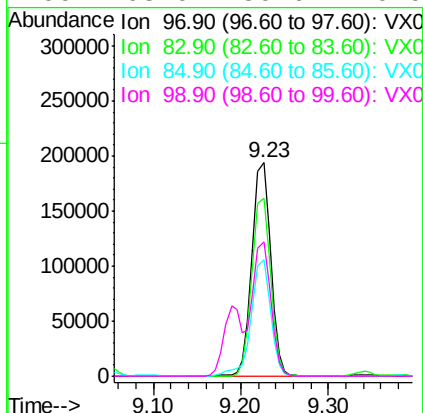
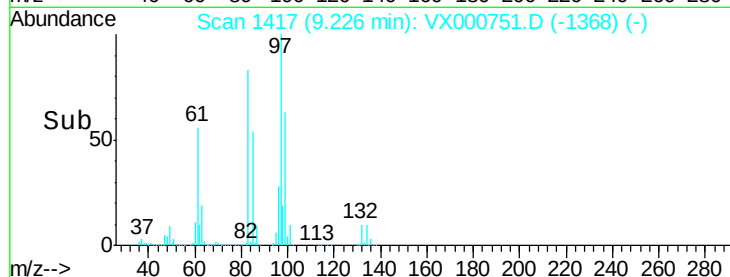
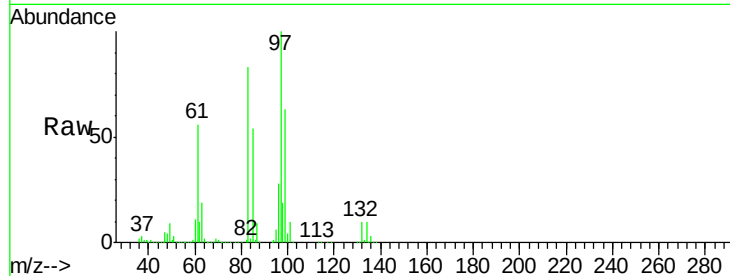
#55
 1,1,2-Trichloroethane
 Concen: 118.61 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		289285		
83	83.4	65.7	98.5		
85	54.4	42.8	64.2		
99	63.0	50.6	76.0		

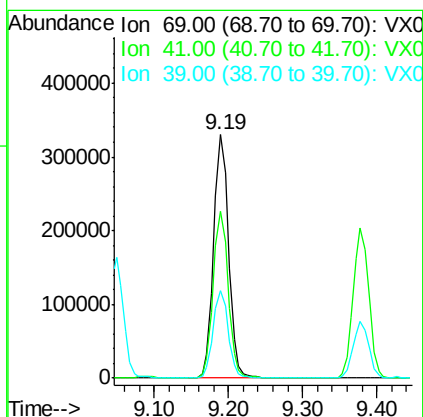
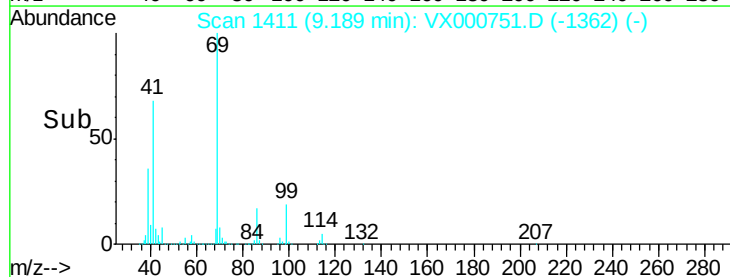
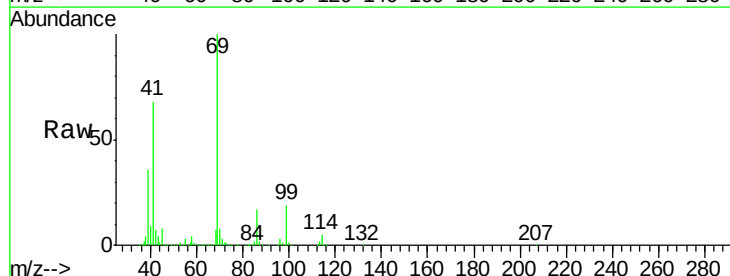
Manual Integrations
 APPROVED

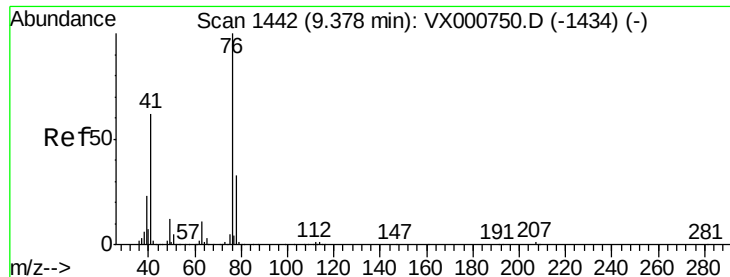
MMDadoda
 4/11/2018 11:20:43 AM



#56
 Ethyl methacrylate
 Concen: 117.04 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		455196		
41	69.1	56.4	84.6		
39	36.5	31.4	47.2		





#57

1,3-Dichloropropane

Concen: 117.52 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 468868

Ion Ratio Lower Upper

76 100

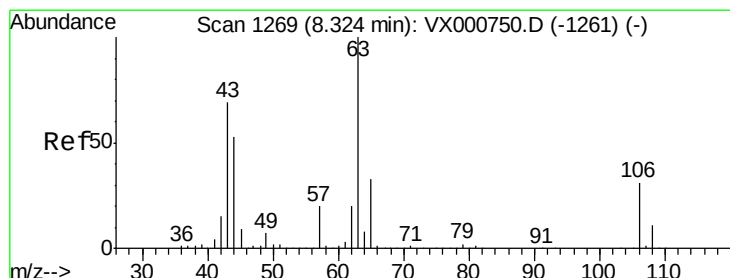
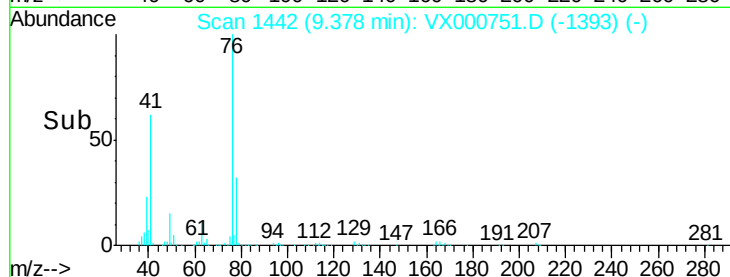
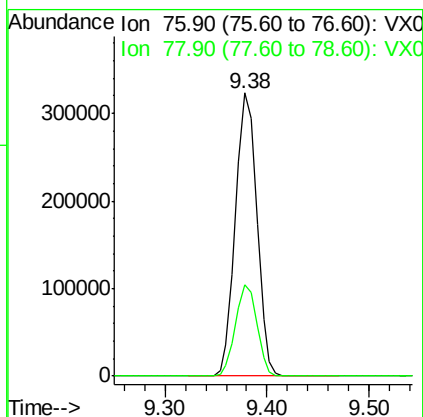
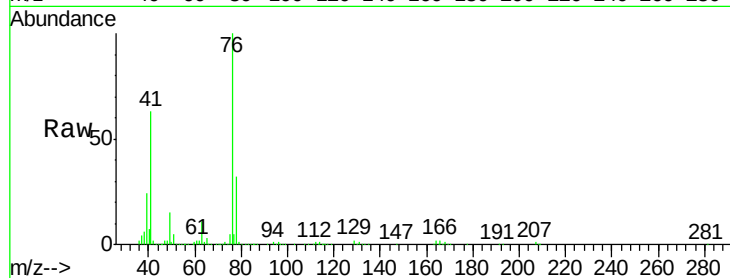
78 32.3 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 599.91 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000751.D

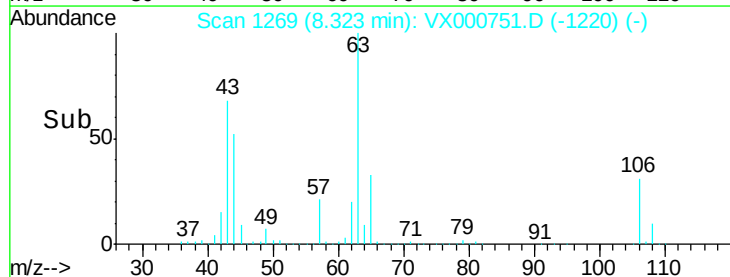
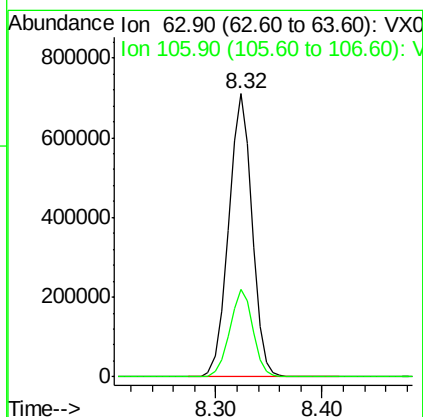
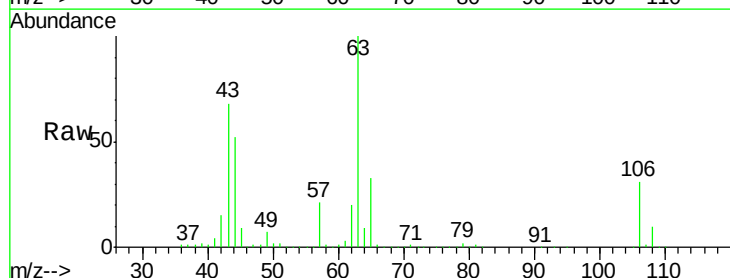
Acq: 10 Apr 2018 15:02

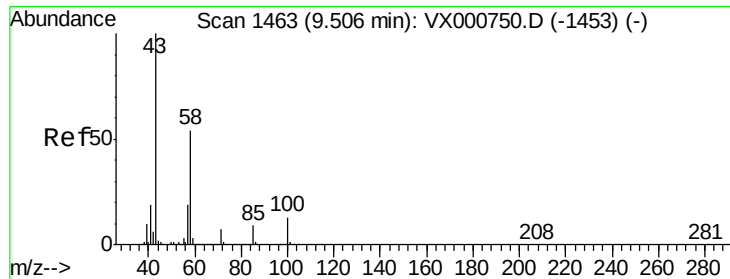
Tgt Ion: 63 Resp: 1092687

Ion Ratio Lower Upper

63 100

106 30.8 24.0 36.0





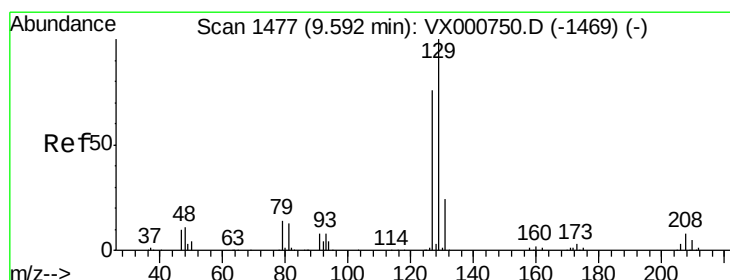
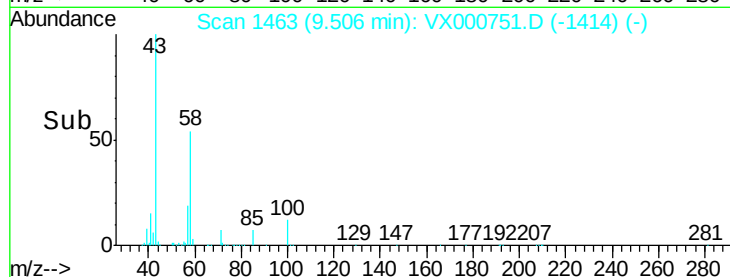
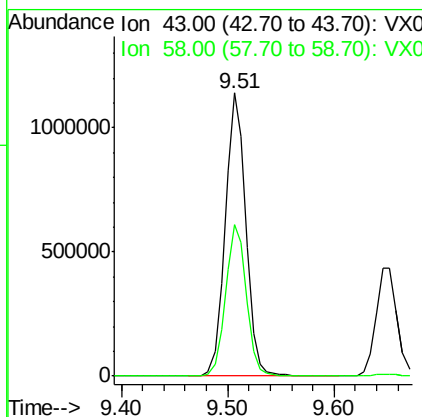
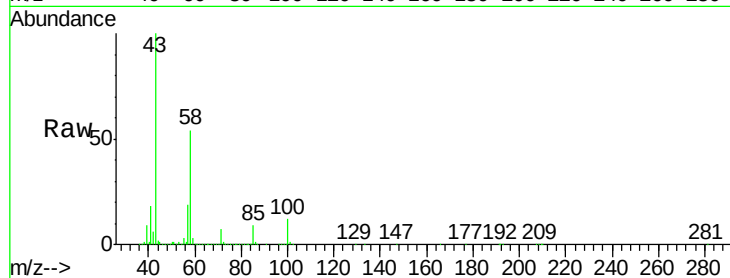
#59
2-Hexanone
Concen: 580.90 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1543776
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.8

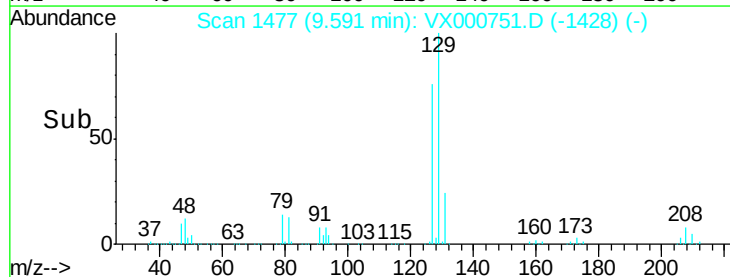
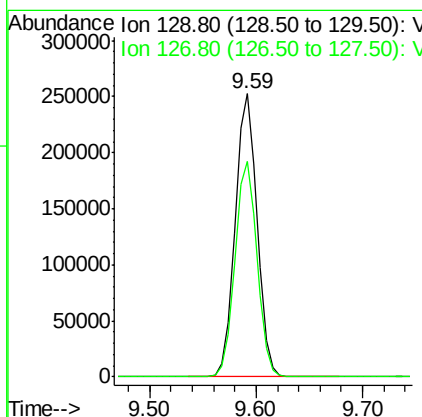
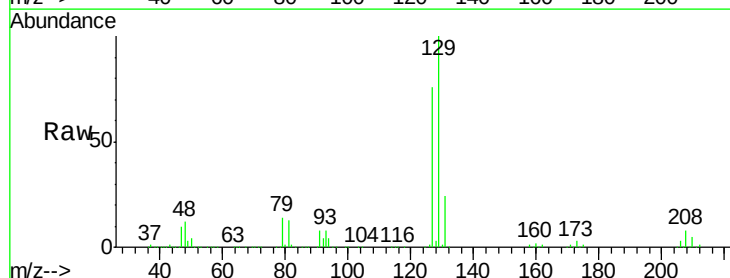
Manual Integrations
APPROVED

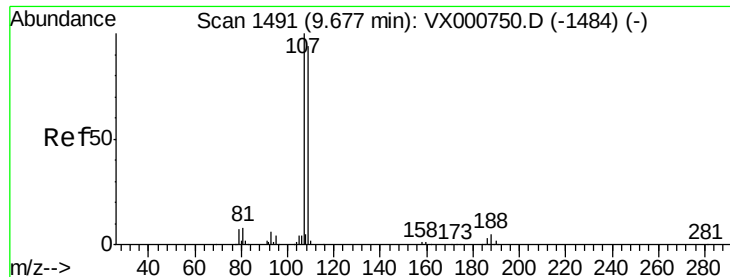
MMDadoda
4/11/2018 11:20:43 AM



#60
Dibromochloromethane
Concen: 119.94 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion: 129 Resp: 364860
Ion Ratio Lower Upper
129 100
127 76.7 38.2 114.6





#61

1,2-Dibromoethane

Concen: 119.60 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 313242

Ion Ratio Lower Upper

107 100

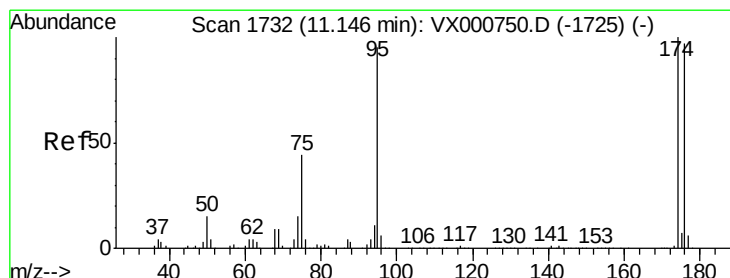
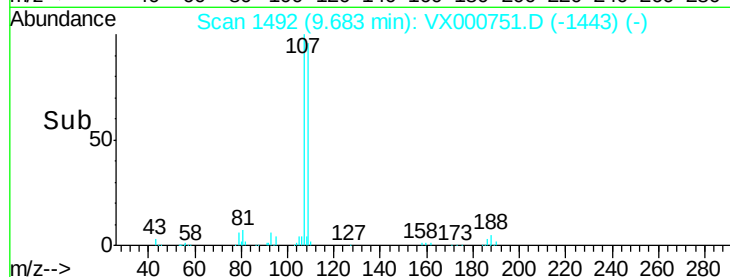
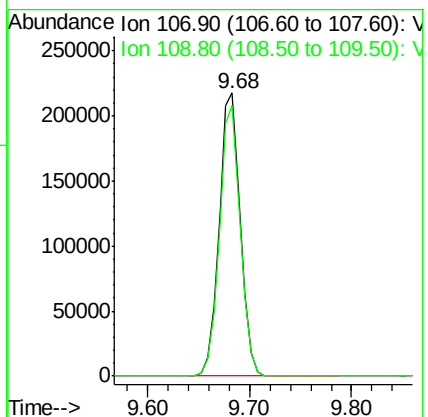
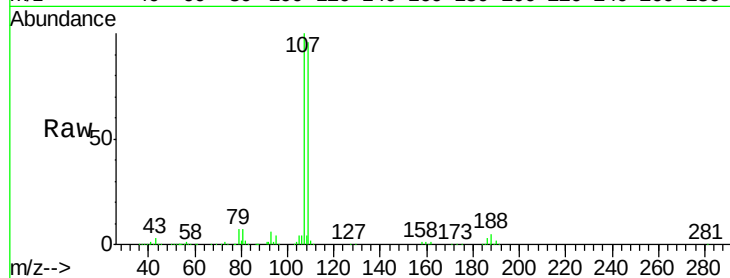
109 94.4 76.6 115.0

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



#62

4-Bromofluorobenzene

Concen: 107.11 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

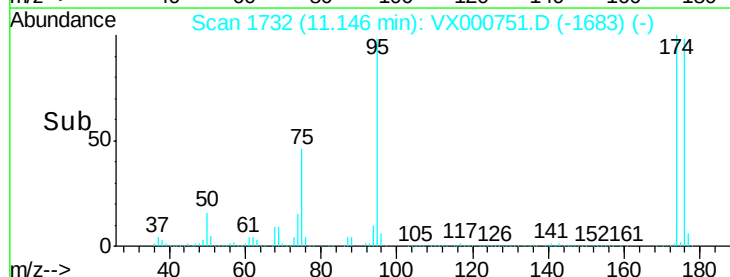
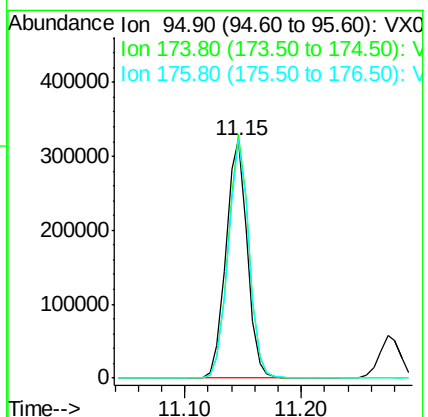
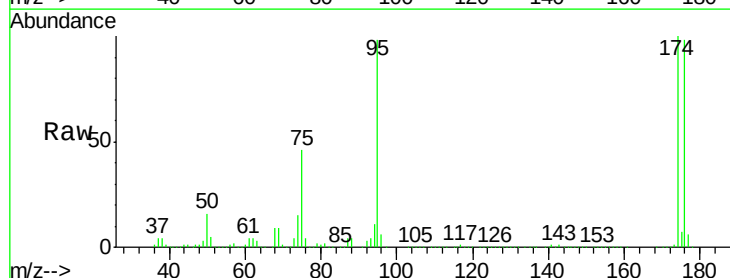
Tgt Ion: 95 Resp: 406858

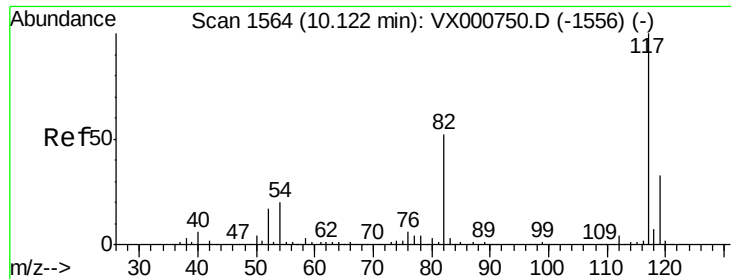
Ion Ratio Lower Upper

95 100

174 99.9 0.0 191.6

176 98.1 0.0 187.0





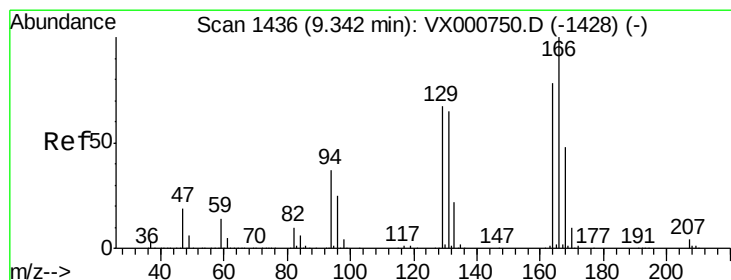
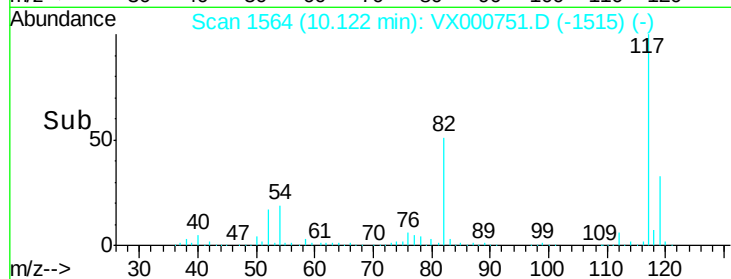
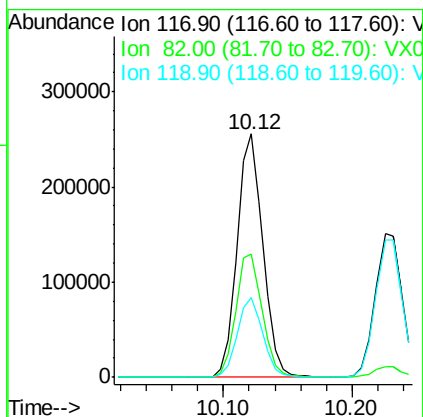
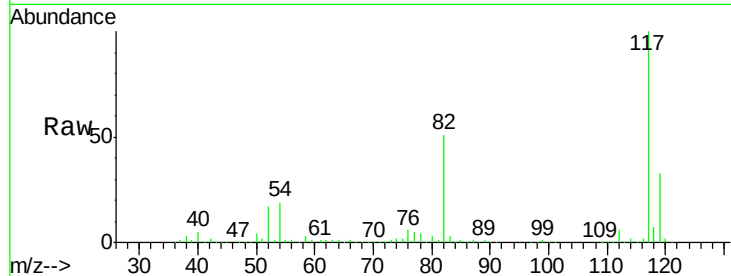
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.9	62.9
119	32.5	25.8	38.8

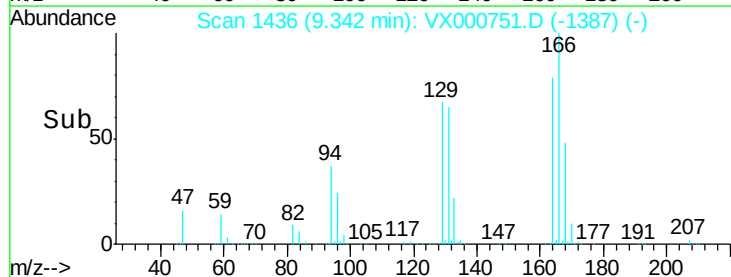
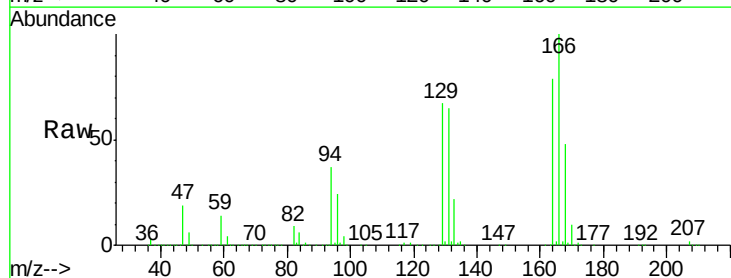
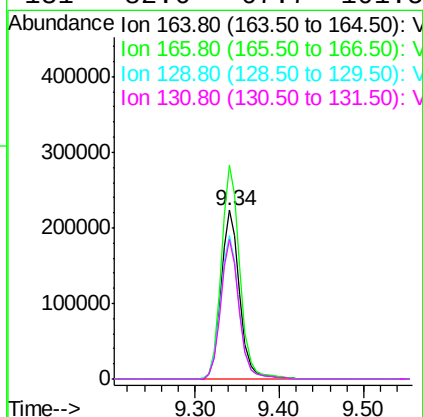
Manual Integrations
APPROVED

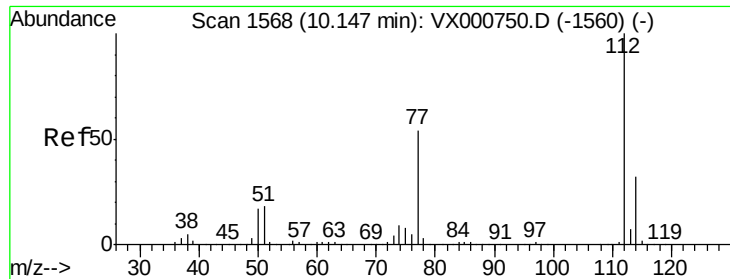
MMDadoda
4/11/2018 11:20:43 AM



#64
Tetrachloroethene
Concen: 120.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.4	153.6
129	85.4	69.3	103.9
131	82.6	67.7	101.5





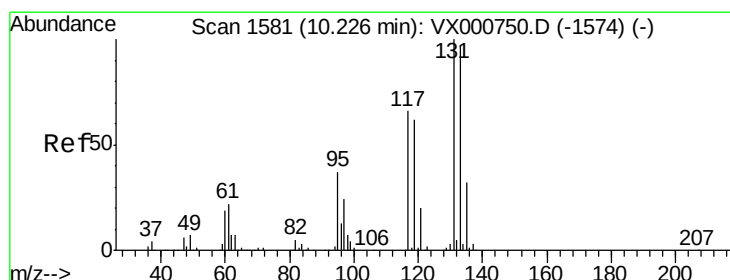
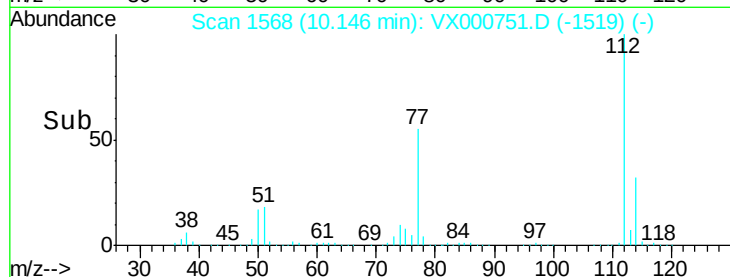
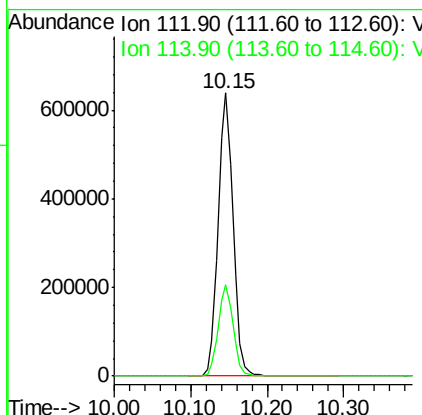
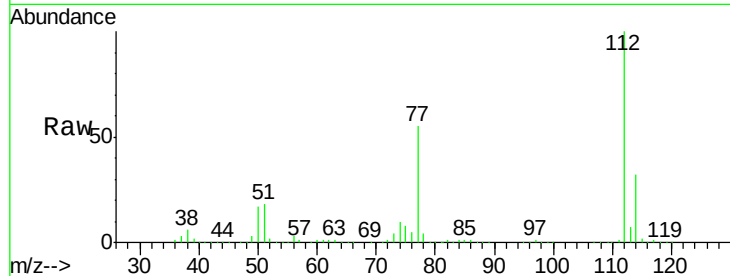
#65
Chlorobenzene
Concen: 118.46 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 862535
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

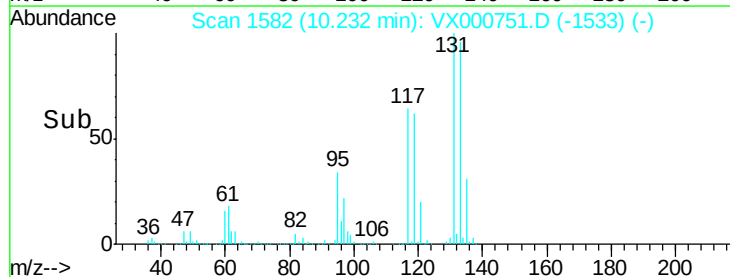
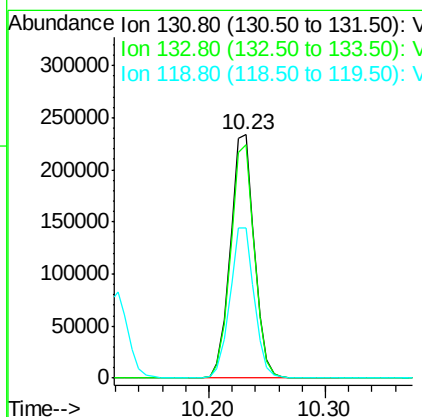
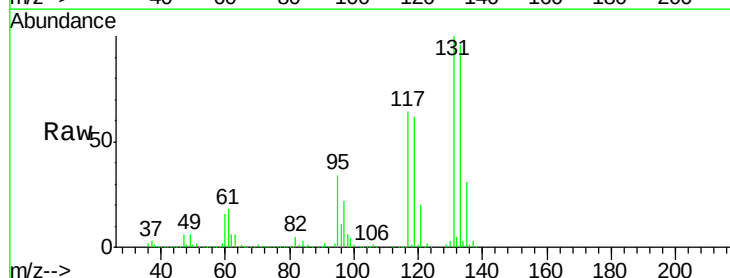
Manual Integrations
APPROVED

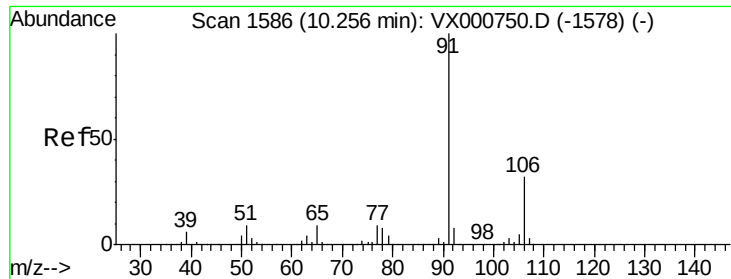
MMDadoda
4/11/2018 11:20:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 117.49 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion:131 Resp: 334020
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 62.4 31.5 94.5





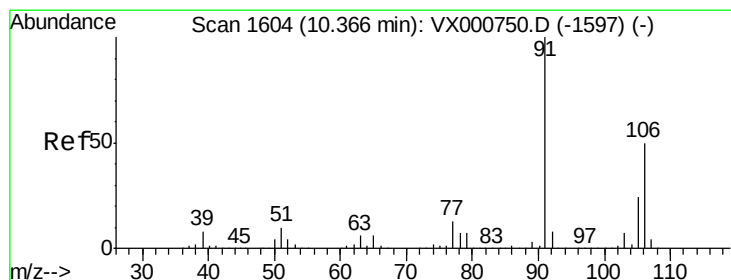
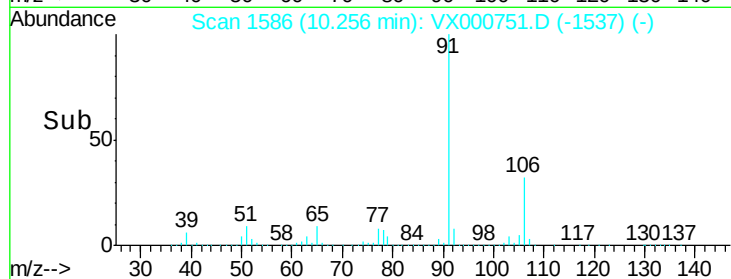
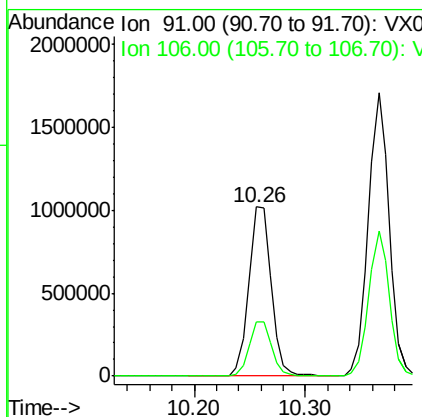
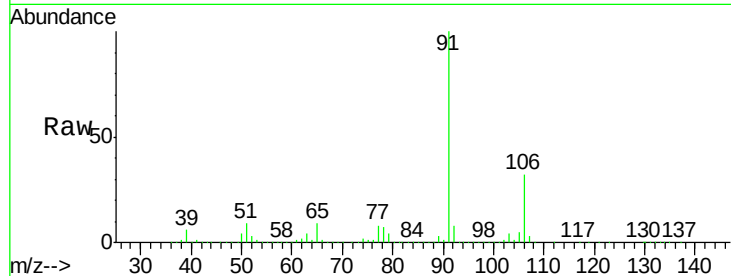
#67
Ethyl Benzene
Concen: 117.41 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1433972
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

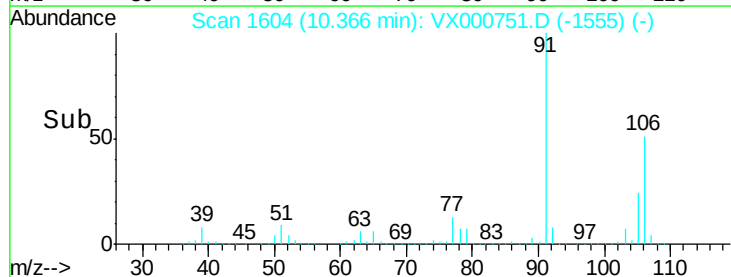
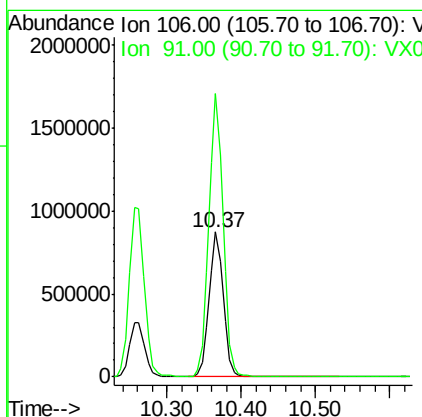
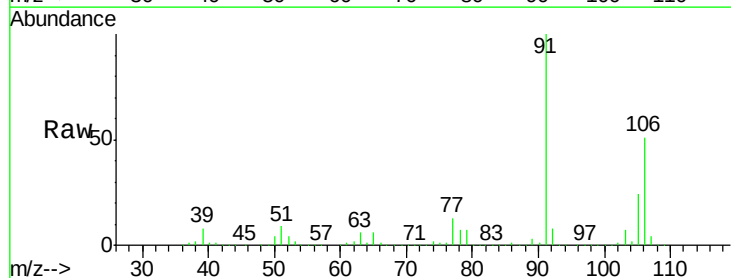
Manual Integrations
APPROVED

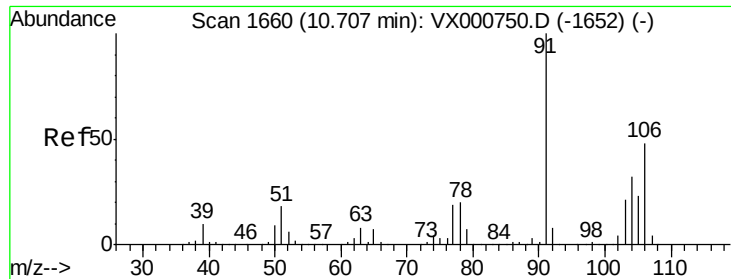
MMDadoda
4/11/2018 11:20:43 AM



#68
m/p-Xylenes
Concen: 239.74 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion: 106 Resp: 1145493
Ion Ratio Lower Upper
106 100
91 196.6 159.7 239.5





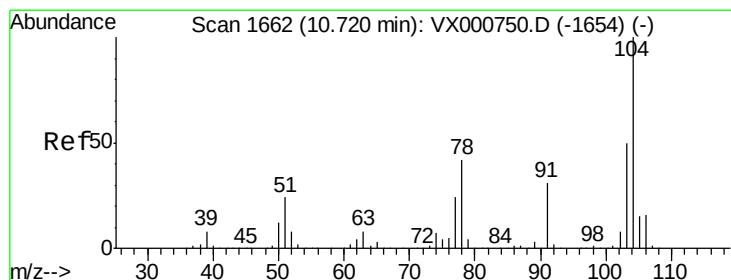
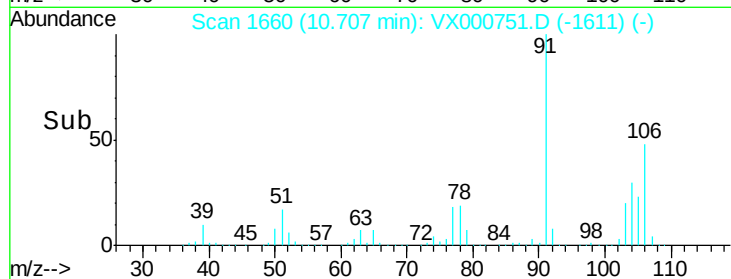
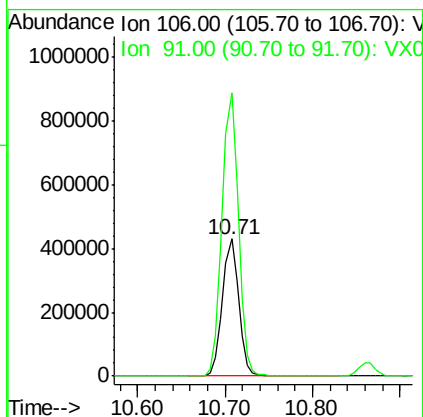
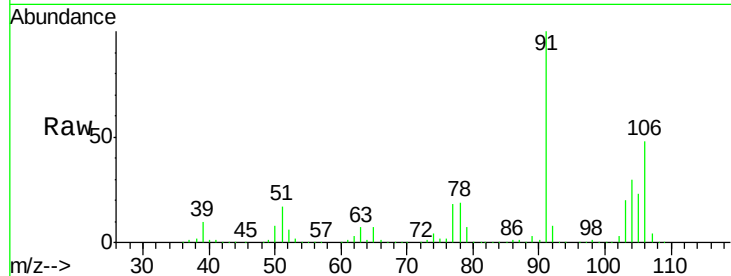
#69
o-Xylene
Concen: 117.99 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		553230		
91	208.5	106.1	318.3		

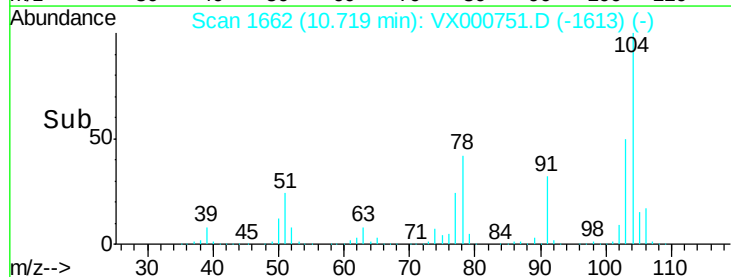
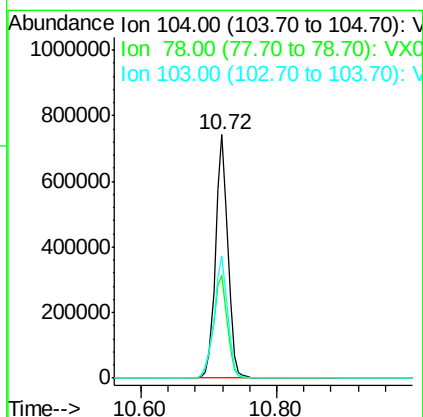
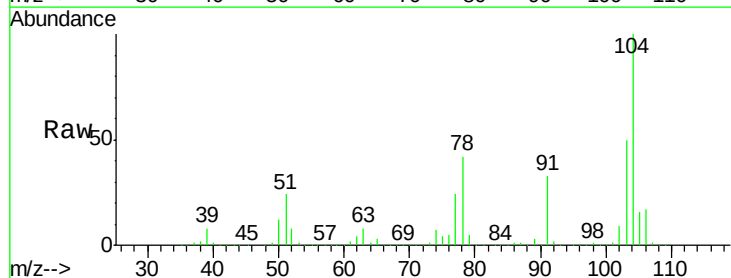
Manual Integrations
APPROVED

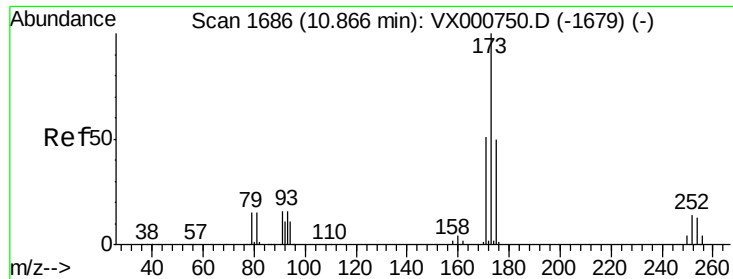
MMDadoda
4/11/2018 11:20:43 AM



#70
Styrene
Concen: 118.30 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		937135		
78	48.0	39.8	59.6		
103	54.9	44.1	66.1		





#71

Bromoform

Concen: 122.37 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 329389

Ion Ratio Lower Upper

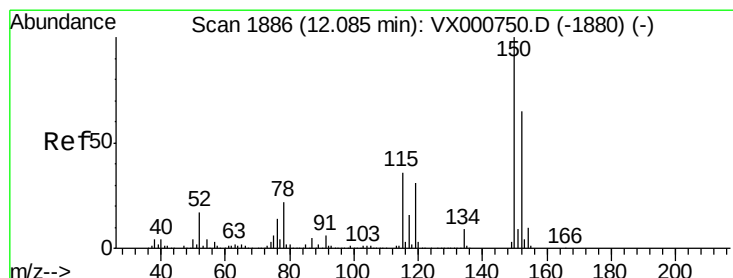
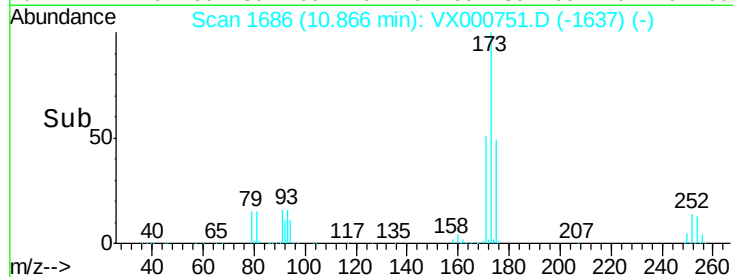
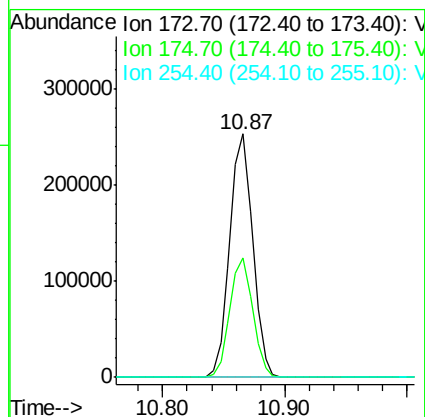
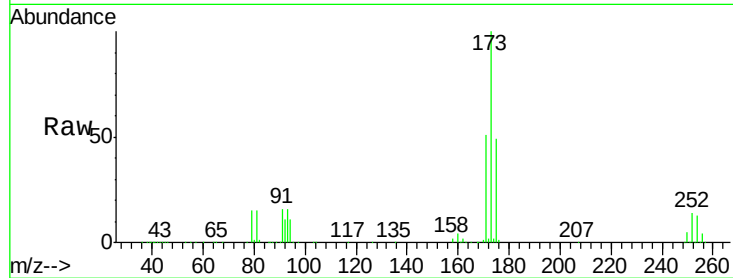
173 100

175 49.0 24.2 72.6

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

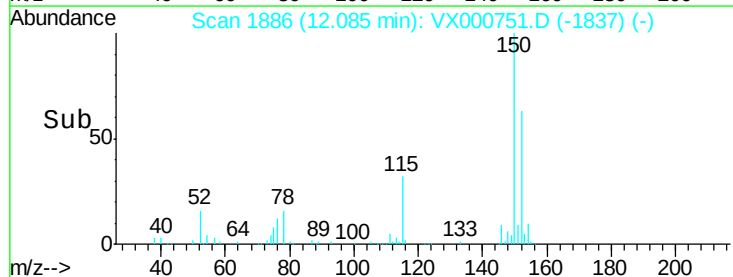
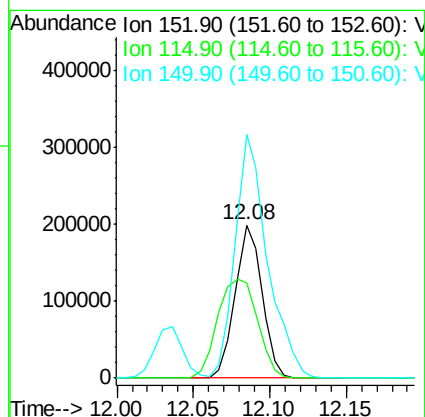
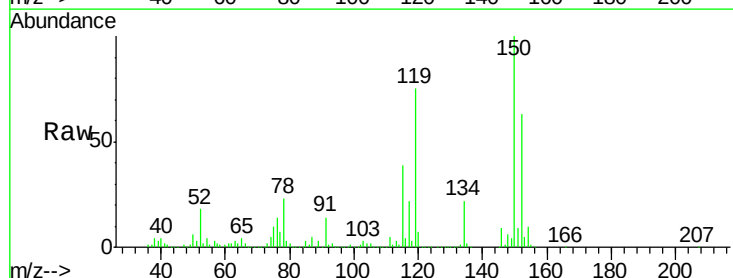
Tgt Ion:152 Resp: 243644

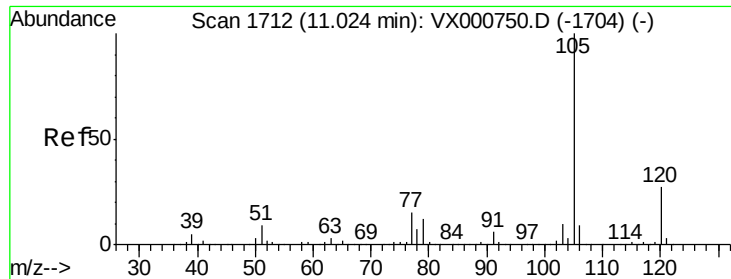
Ion Ratio Lower Upper

152 100

115 95.6 37.7 113.1

150 190.4 0.0 345.0





#73

Isopropylbenzene

Concen: 101.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion:105 Resp: 1484660

Ion Ratio Lower Upper

105 100

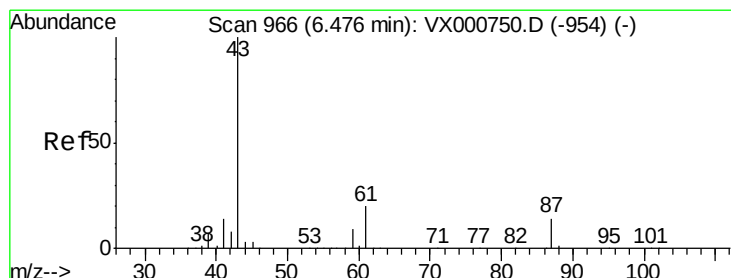
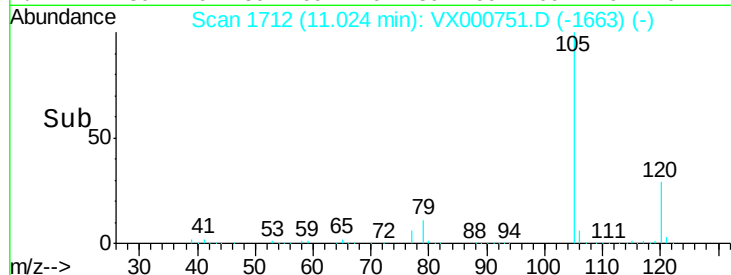
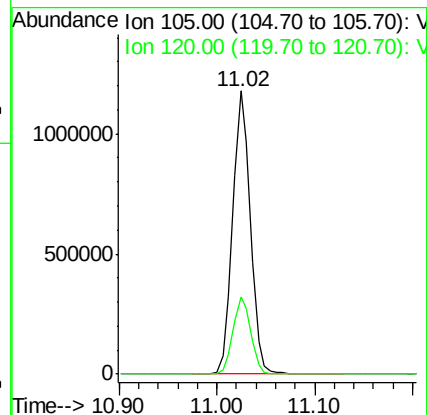
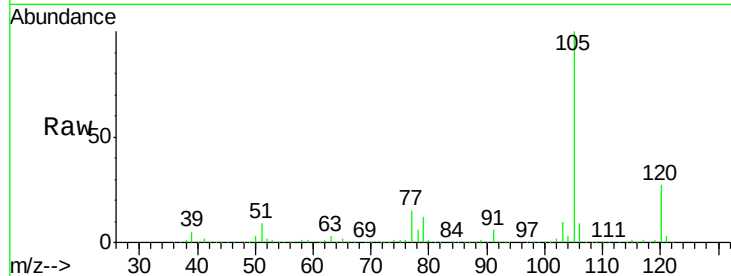
120 27.4 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



#74

N-ethyl acetate

Concen: 94.64 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion: 43 Resp: 670843

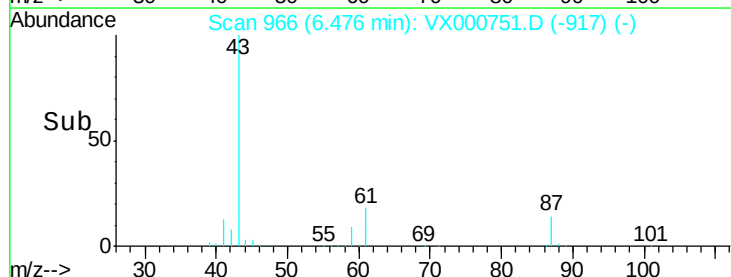
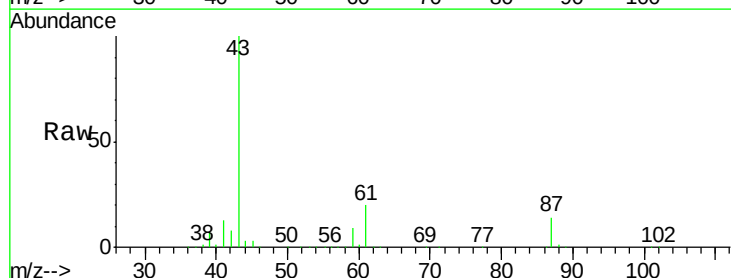
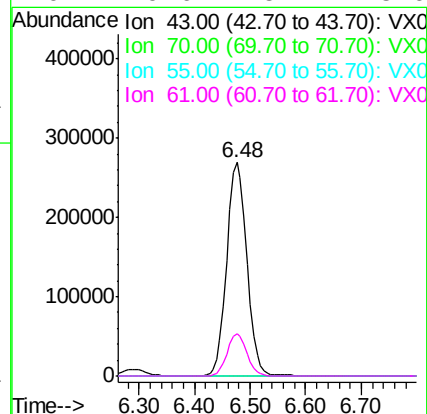
Ion Ratio Lower Upper

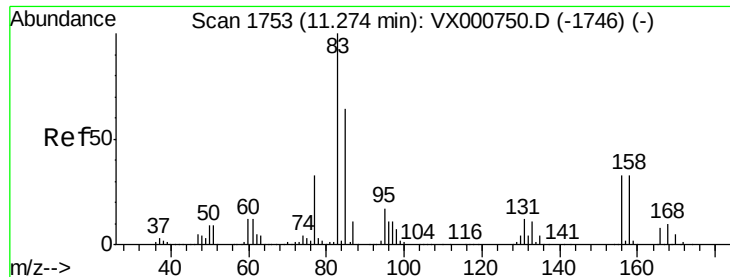
43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 19.6 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 102.15 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 442234

Ion Ratio Lower Upper

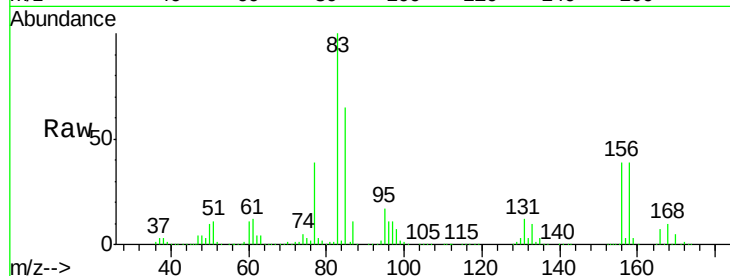
83 100

131 11.8 5.9 17.7

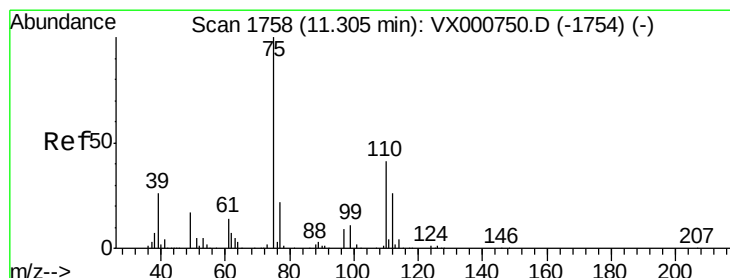
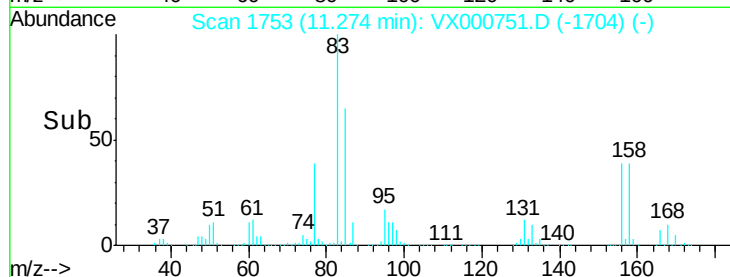
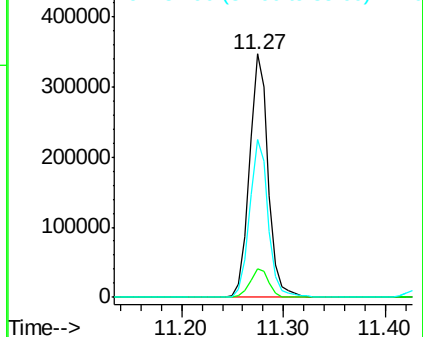
85 64.5 32.6 98.0

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



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



#76

1,2,3-Trichloropropane

Concen: 98.36 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000751.D

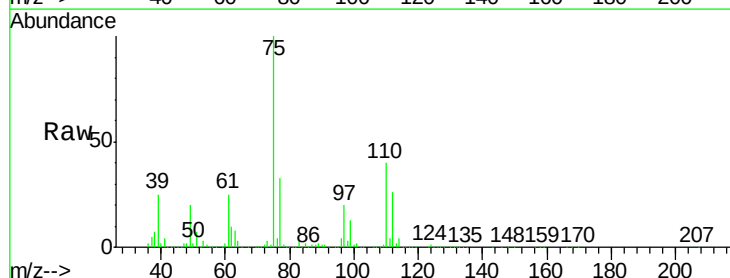
Acq: 10 Apr 2018 15:02

Tgt Ion: 75 Resp: 407737

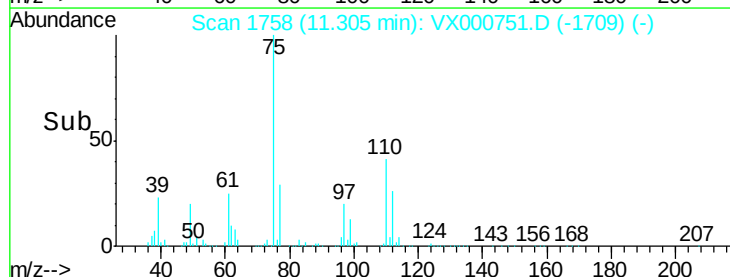
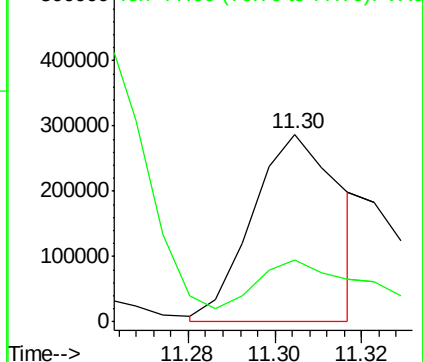
Ion Ratio Lower Upper

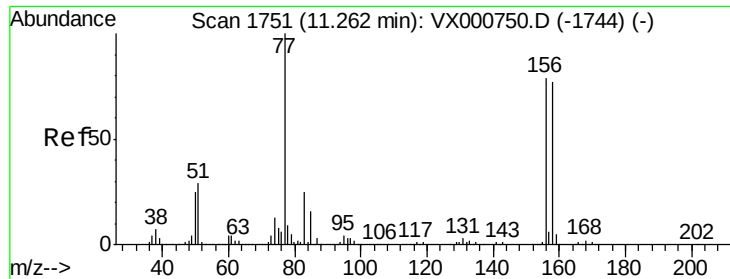
75 100

77 43.0 21.3 63.7



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





#77

Bromobenzene

Concen: 105.54 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

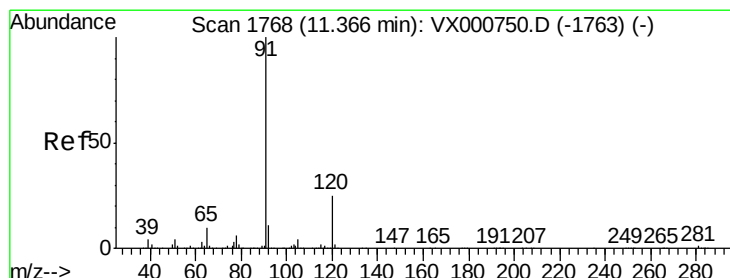
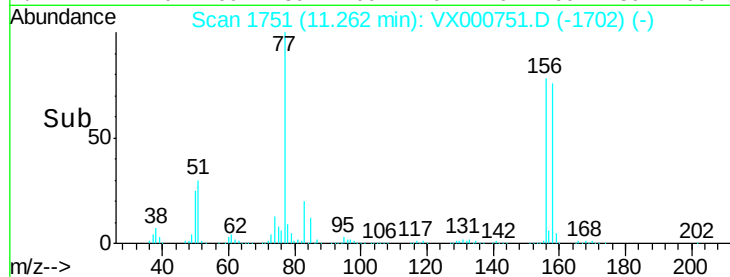
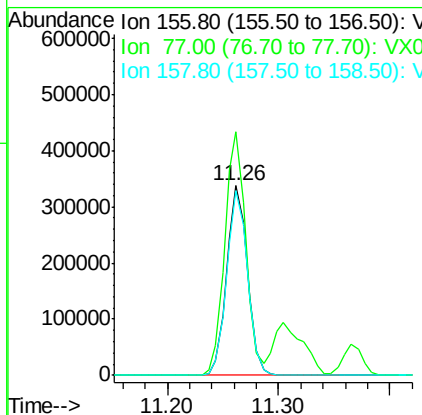
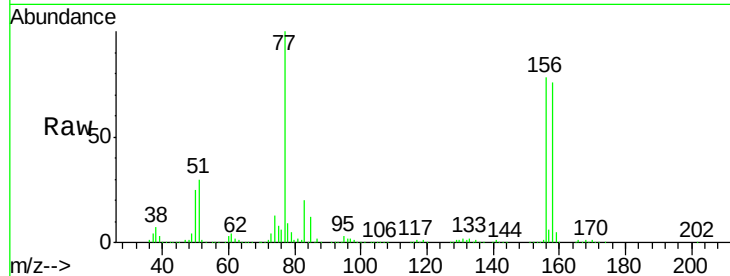
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	435961
Ion Ratio	Lower	Upper	
156	100		
77	129.9	68.3	205.1
158	97.6	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



#78

n-propylbenzene

Concen: 100.35 ug/l

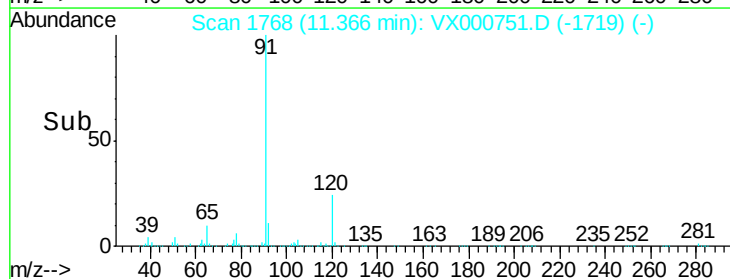
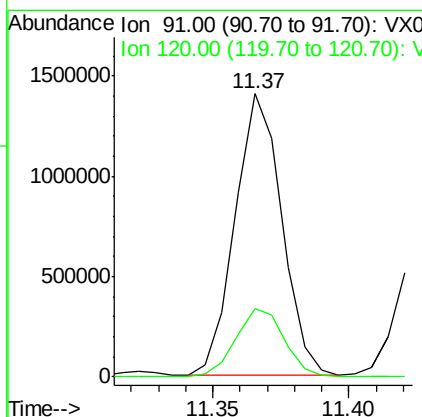
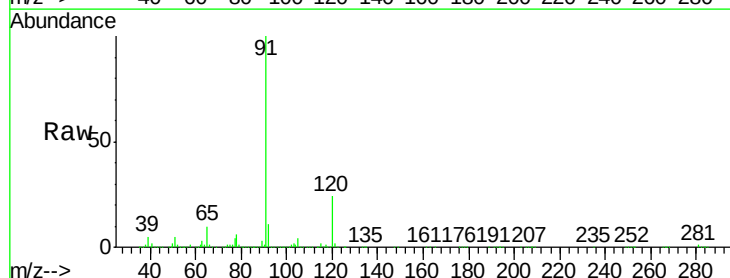
RT: 11.37 min Scan# 1768

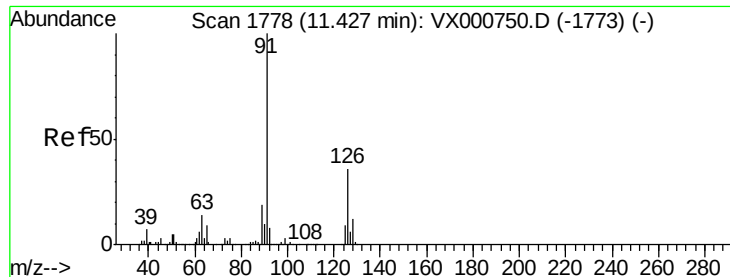
Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Tgt Ion:	91	Resp:	1677087
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.5	37.5





#79

2-Chlorotoluene

Concen: 99.48 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 991601

Ion Ratio Lower Upper

91 100

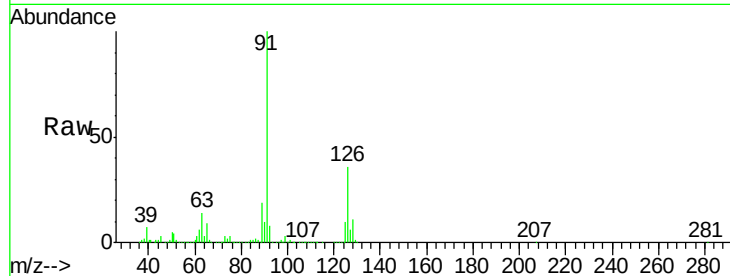
126 37.2 18.3 54.9

Manual Integrations

APPROVED

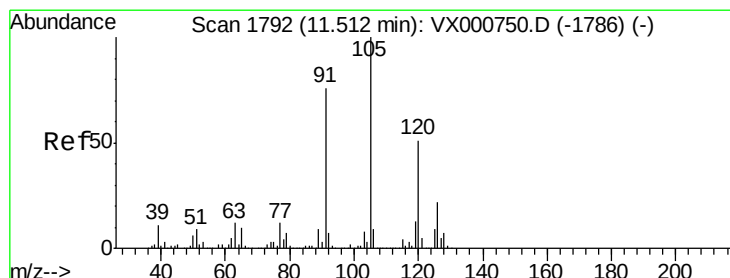
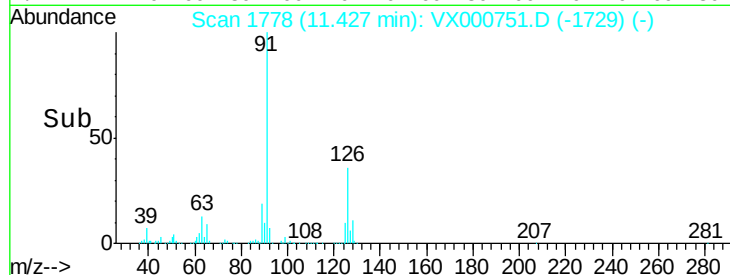
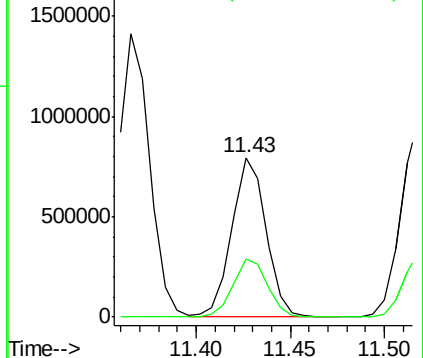
MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 101.76 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000751.D

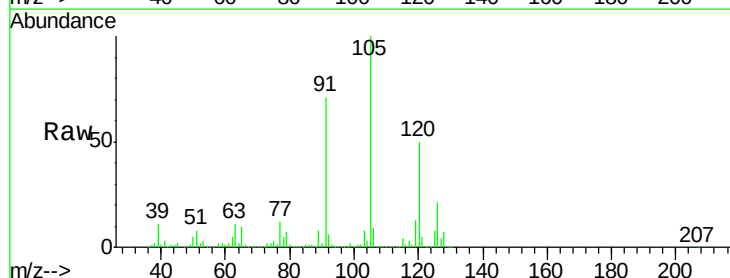
Acq: 10 Apr 2018 15:02

Tgt Ion:105 Resp: 1283751

Ion Ratio Lower Upper

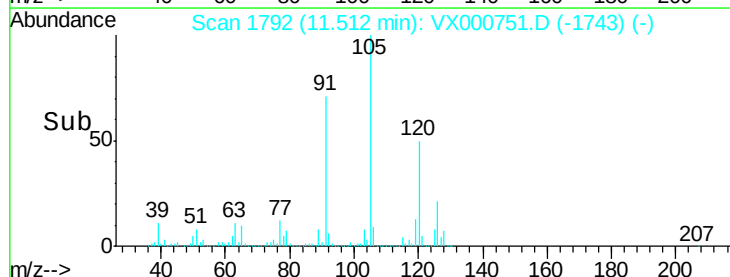
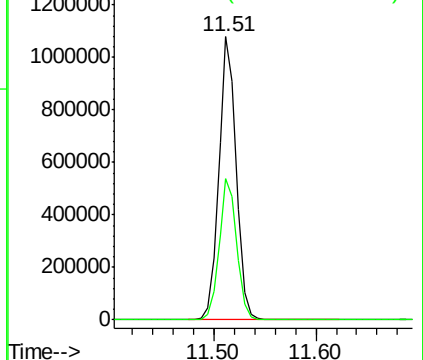
105 100

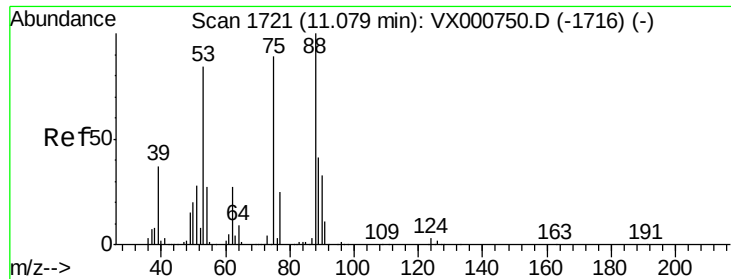
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





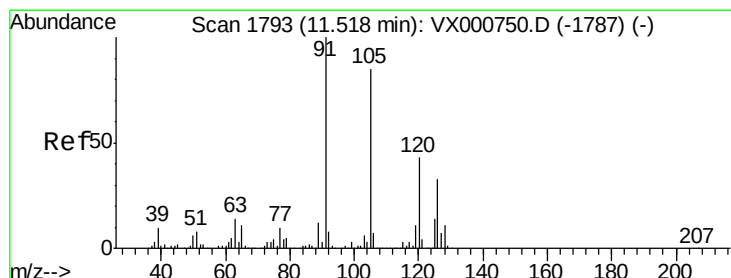
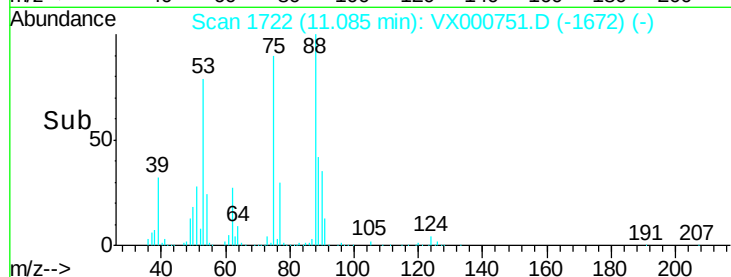
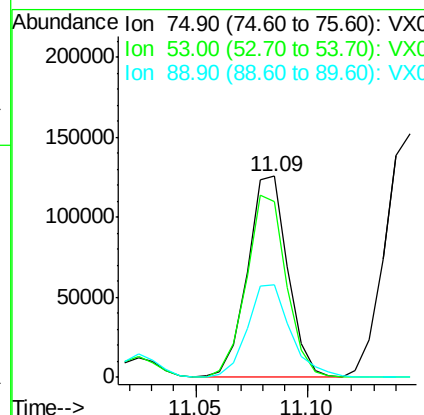
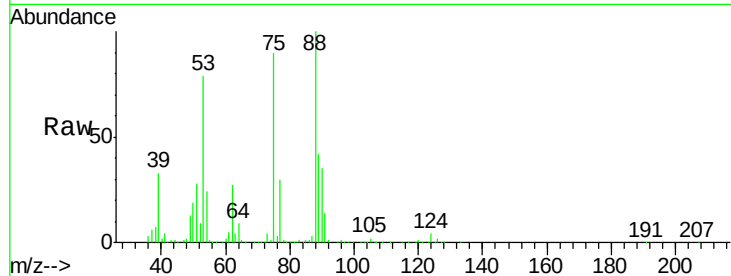
#81
trans-1,4-Dichloro-2-butene
Concen: 99.11 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	74.2	111.2
89	50.1	46.6	69.8

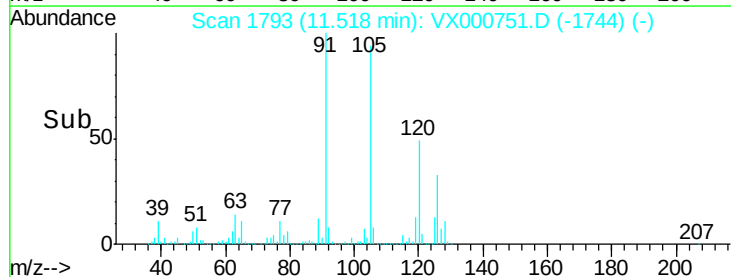
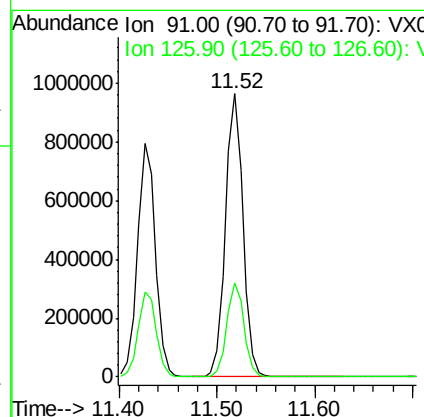
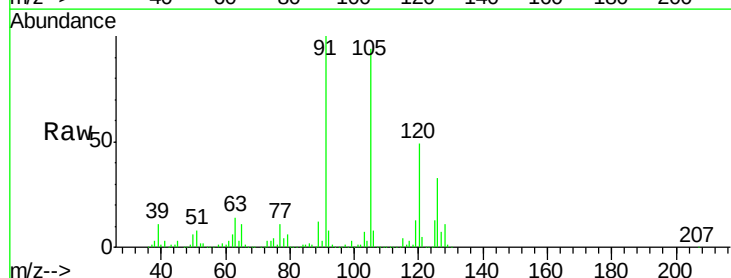
Manual Integrations
APPROVED

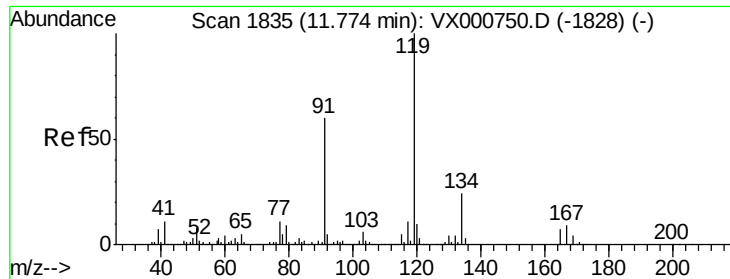
MMDadoda
4/11/2018 11:20:43 AM



#82
4-Chlorotoluene
Concen: 100.33 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000751.D
Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.0	48.0





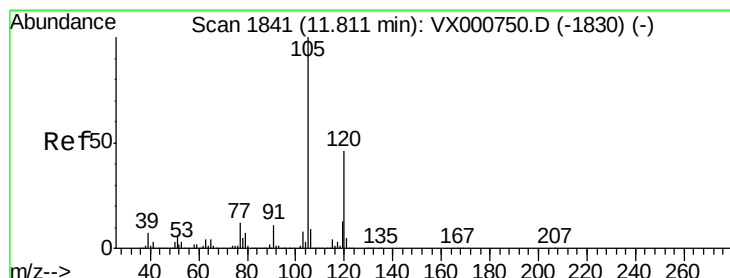
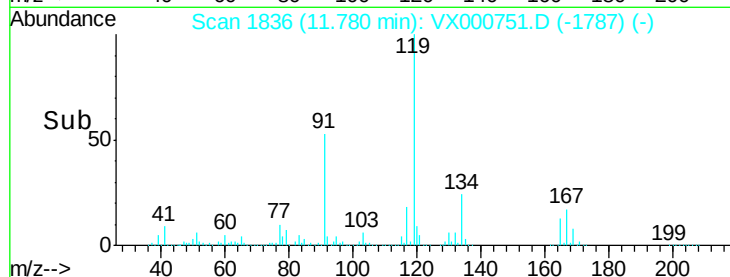
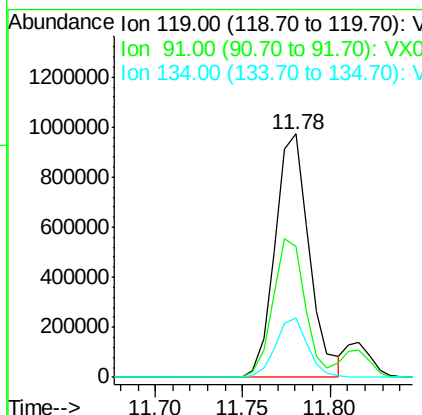
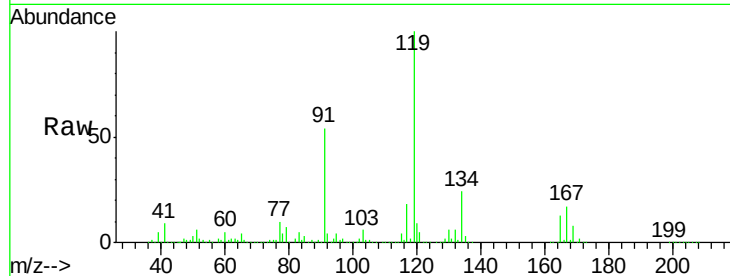
#83
 tert-Butylbenzene
 Concen: 102.59 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1326804
 Ion Ratio Lower Upper
 119 100
 91 53.2 27.3 81.8
 134 22.9 11.5 34.4

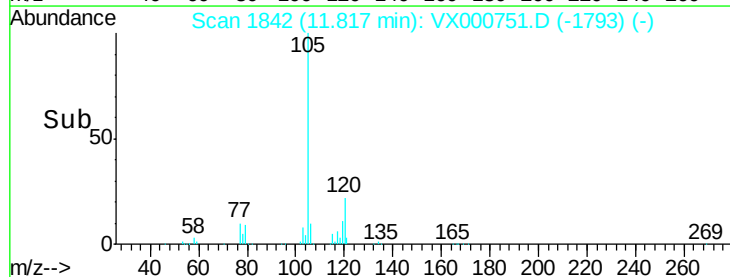
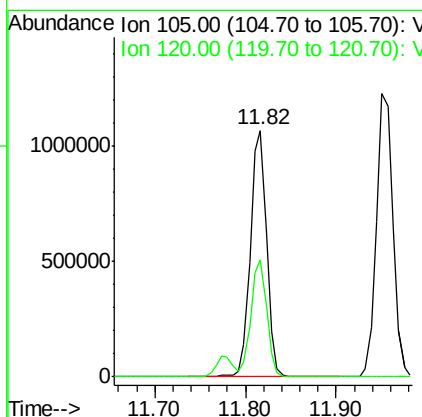
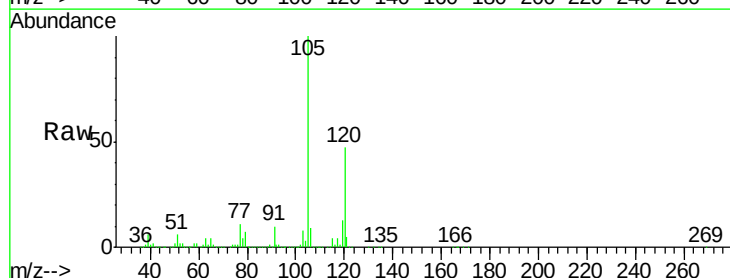
Manual Integrations
 APPROVED

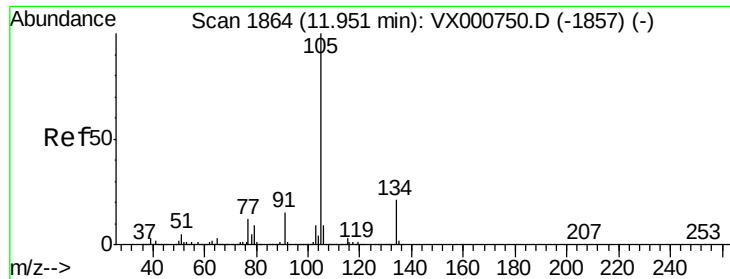
MMDadoda
 4/11/2018 11:20:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 100.97 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Tgt Ion:105 Resp: 1319033
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.5





#85

sec-Butylbenzene

Concen: 102.31 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1548444

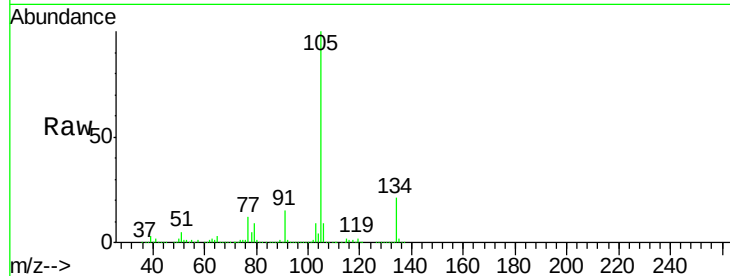
Ion Ratio Lower Upper

105 100

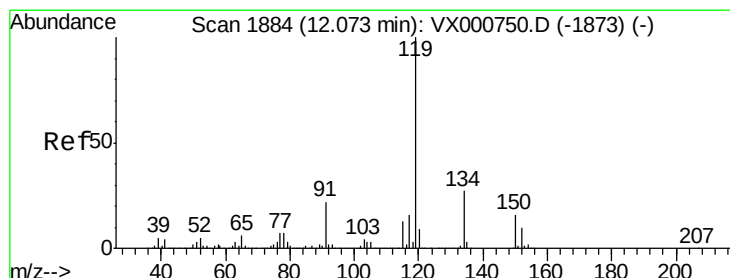
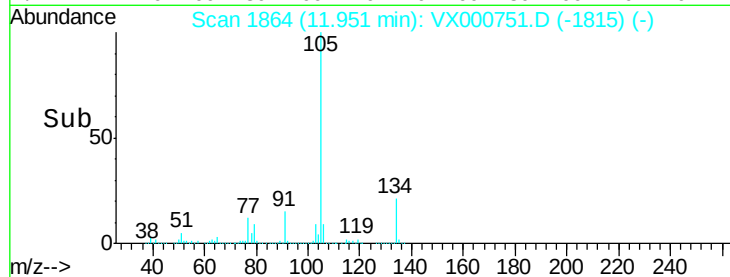
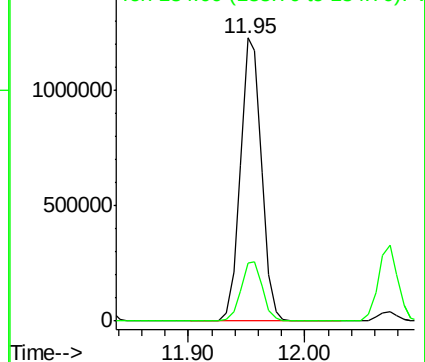
134 21.4 10.7 32.1

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 101.41 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

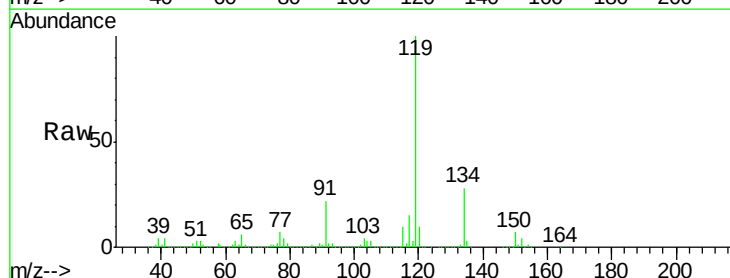
Tgt Ion:119 Resp: 1434964

Ion Ratio Lower Upper

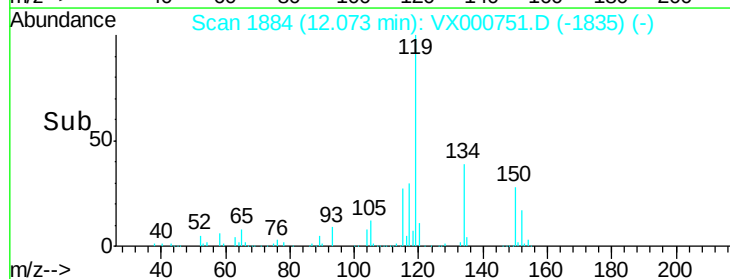
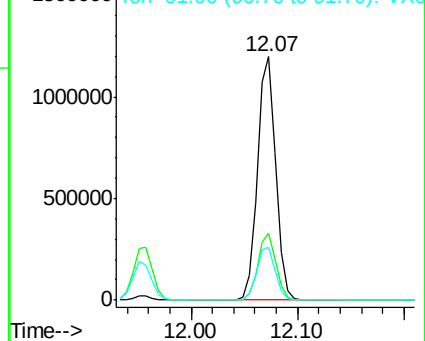
119 100

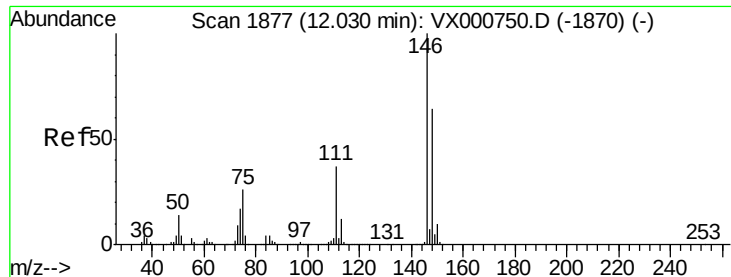
134 27.3 13.4 40.2

91 22.2 11.5 34.4



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





#87

1,3-Dichlorobenzene

Concen: 103.84 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 803729

Ion Ratio Lower Upper

146 100

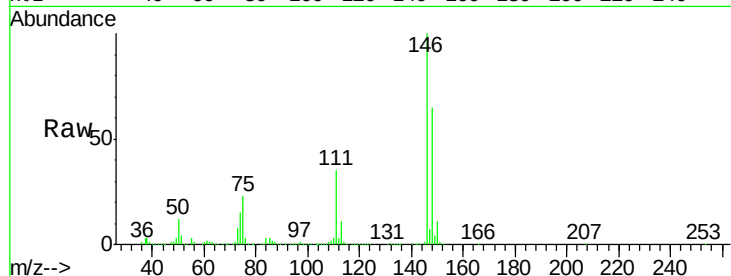
111 36.6 18.6 55.8

148 64.8 32.0 96.2

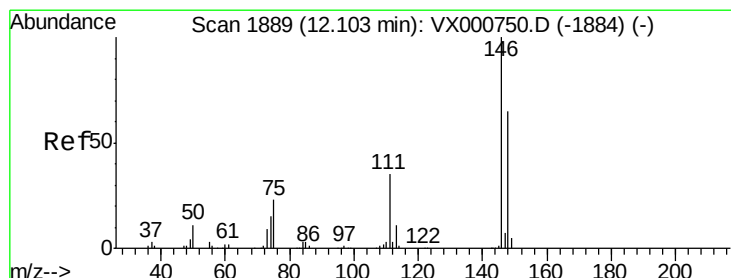
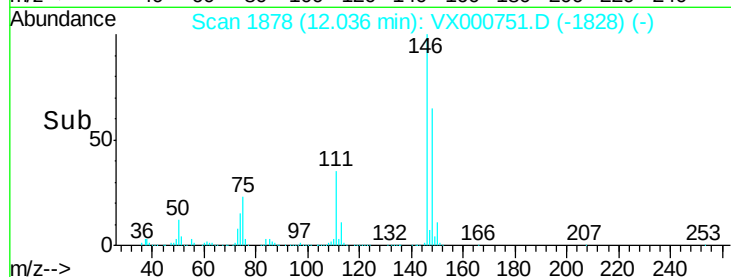
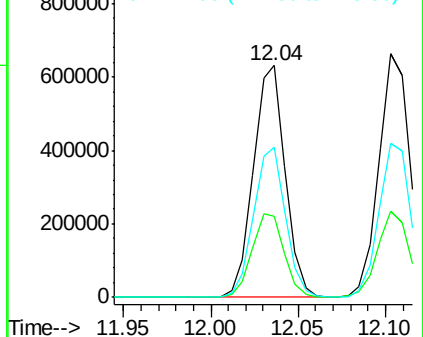
Manual Integrations
APPROVED

MMDadoda

4/11/2018 11:20:43 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 103.21 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

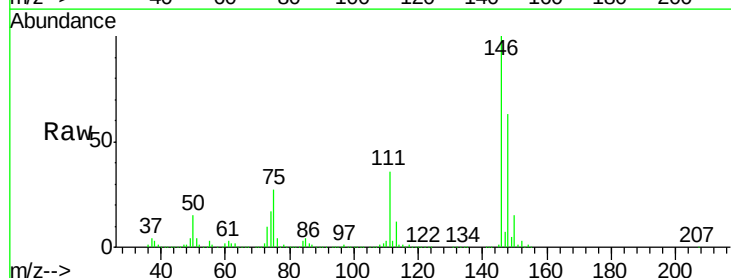
Tgt Ion:146 Resp: 818846

Ion Ratio Lower Upper

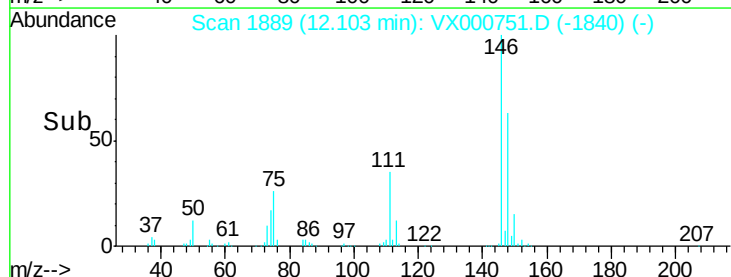
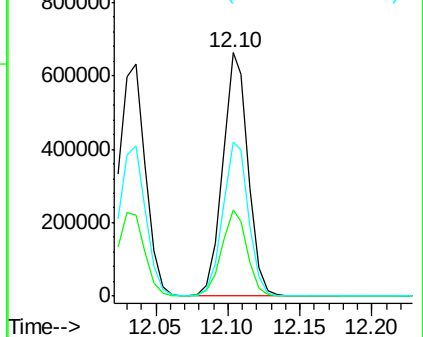
146 100

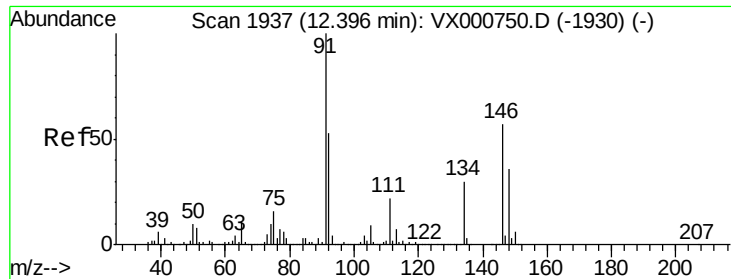
111 35.5 18.2 54.6

148 64.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 99.80 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1261462

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.0

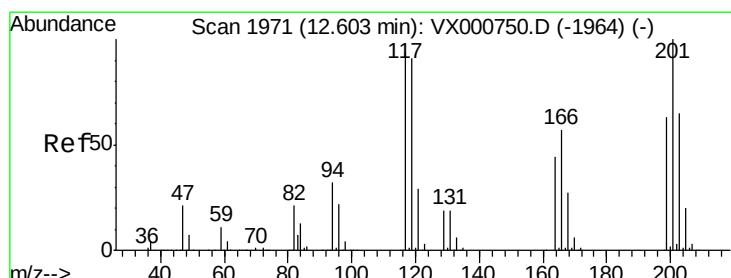
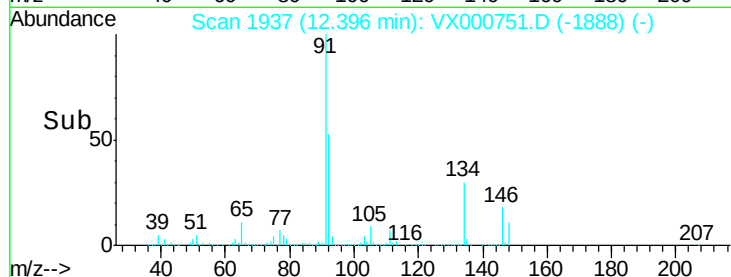
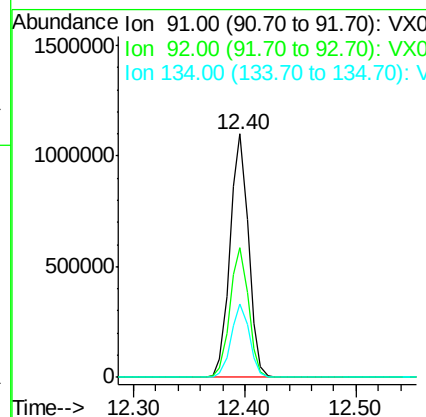
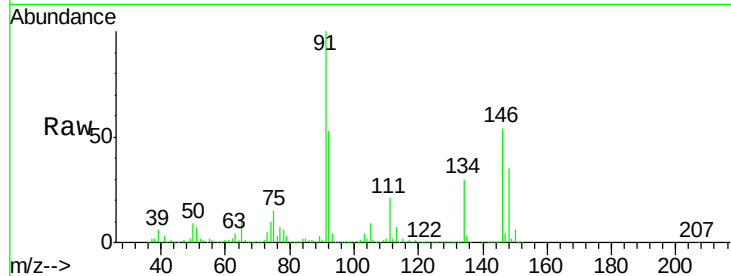
134 29.6 14.4 43.0

Manual Integrations

APPROVED

MMDadoda

4/11/2018 11:20:43 AM



#90

Hexachloroethane

Concen: 100.42 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000751.D

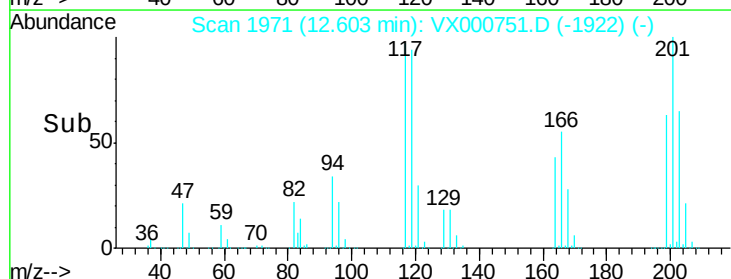
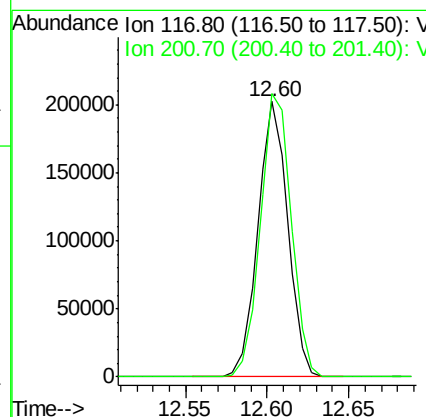
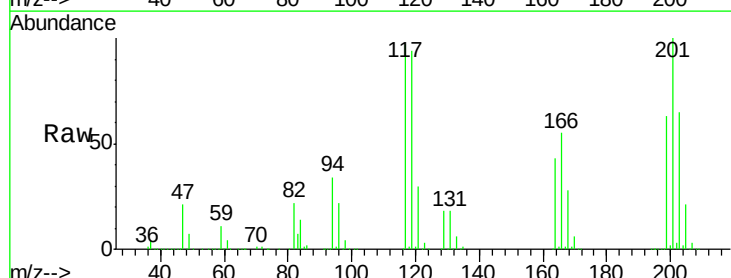
Acq: 10 Apr 2018 15:02

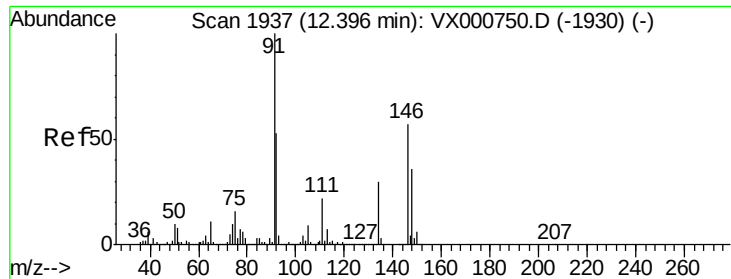
Tgt Ion: 117 Resp: 258006

Ion Ratio Lower Upper

117 100

201 106.4 51.2 153.6





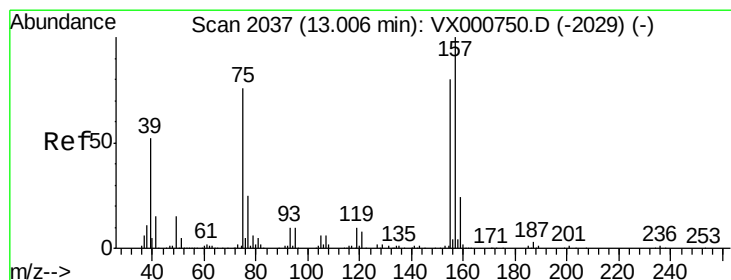
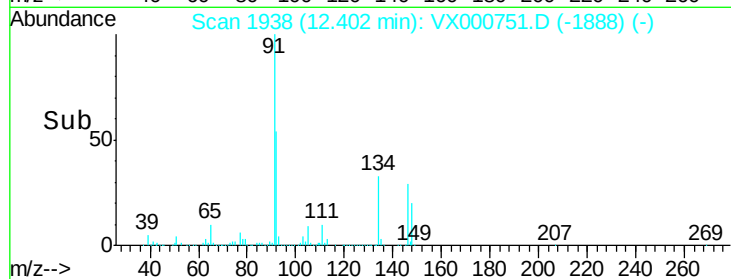
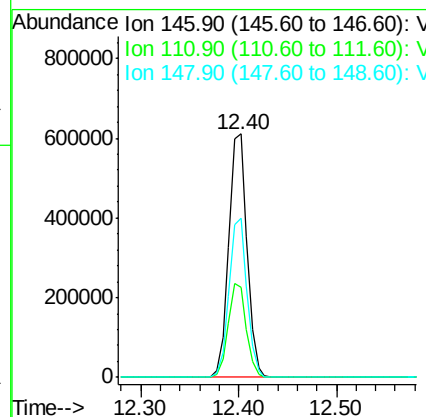
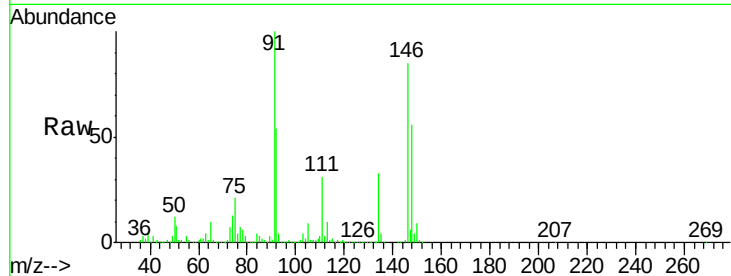
#91
 1,2-Dichlorobenzene
 Concen: 104.64 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	64.5	31.9	95.7

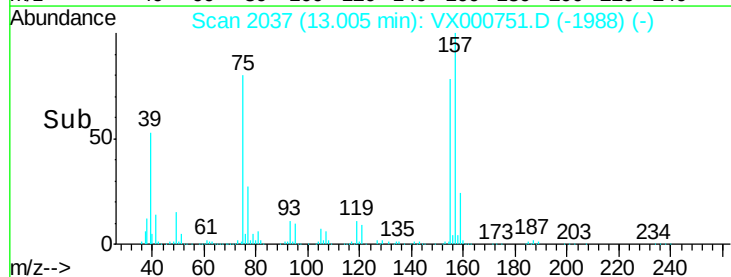
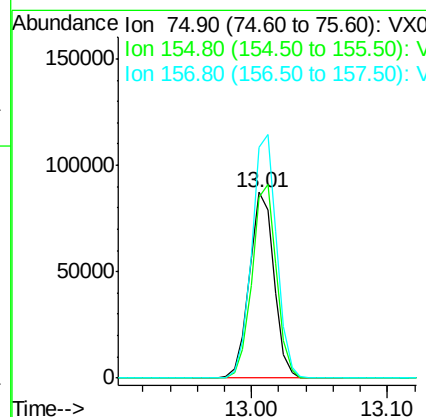
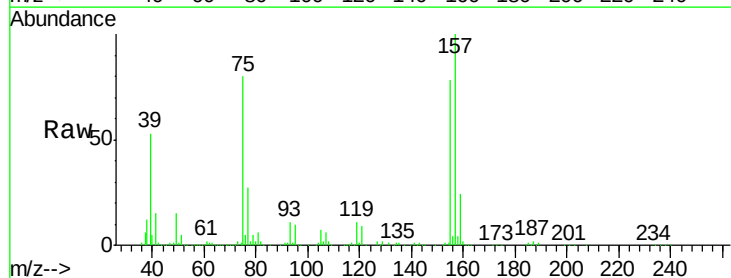
Manual Integrations
 APPROVED

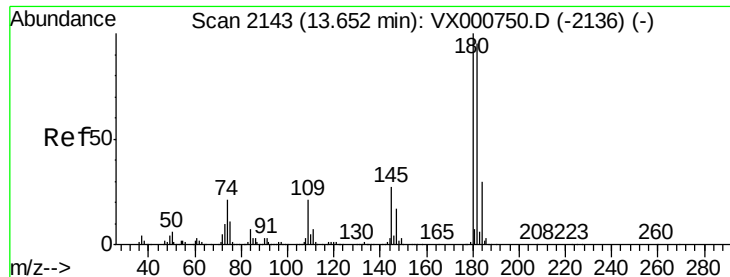
MMDadoda
 4/11/2018 11:20:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.92 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000751.D
 Acq: 10 Apr 2018 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	48.4	145.0
157	132.7	62.8	188.5





#93

1,2,4-Trichlorobenzene

Concen: 104.63 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

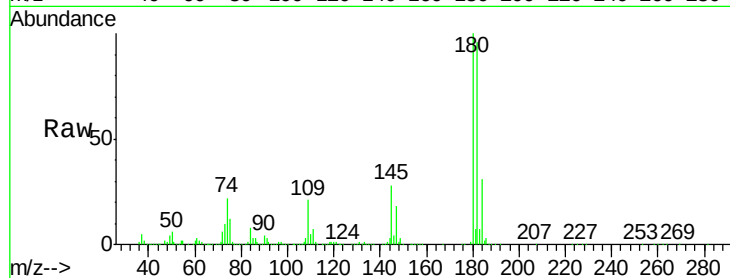
ClientSampleId :

VSTDIC100

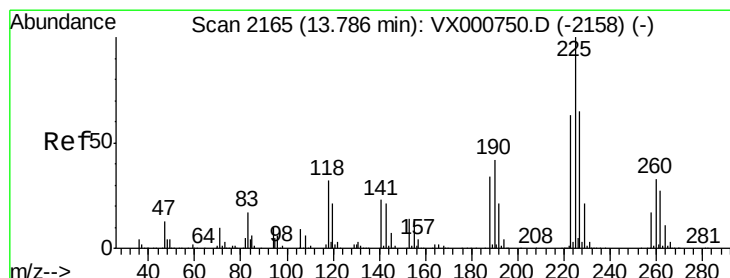
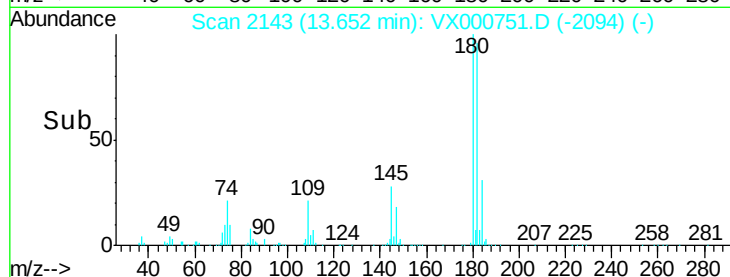
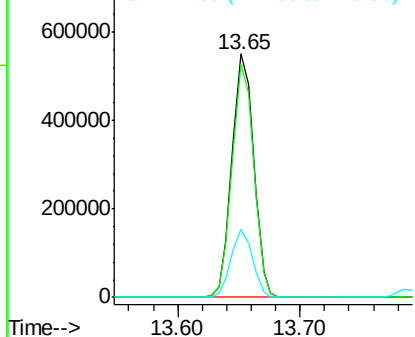
Tot Ion:	180	Resp:	672663
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	27.7	14.1	42.3

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:43 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 103.16 ug/l

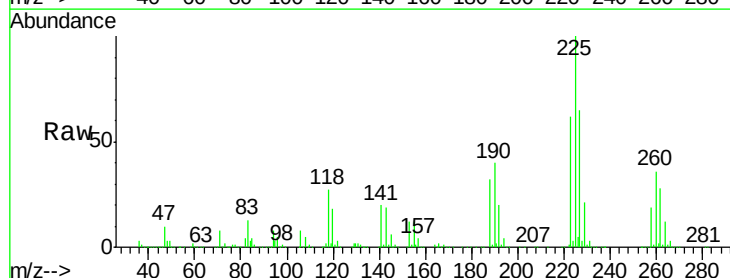
RT: 13.79 min Scan# 2166

Delta R.T. -0.00 min

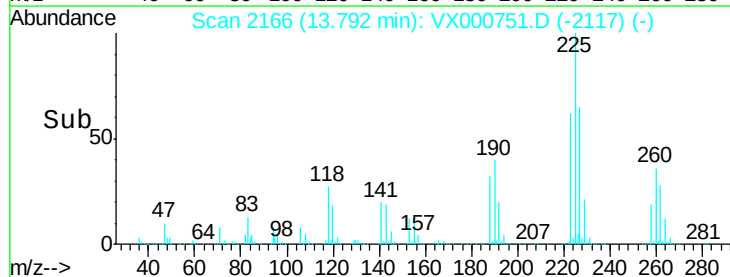
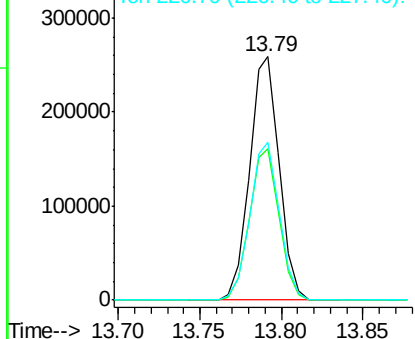
Lab File: VX000751.D

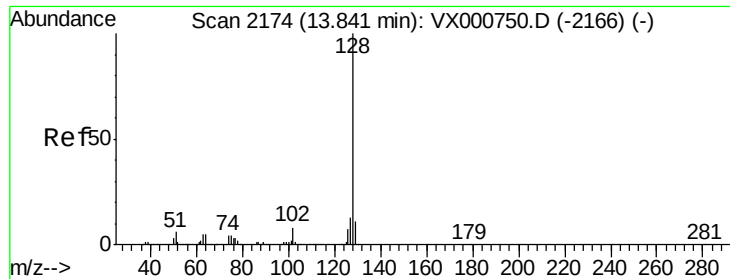
Acq: 10 Apr 2018 15:02

Tgt Ion:	225	Resp:	326556
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.9	92.8
227	64.5	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 103.61 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1743965

Ion Ratio Lower Upper

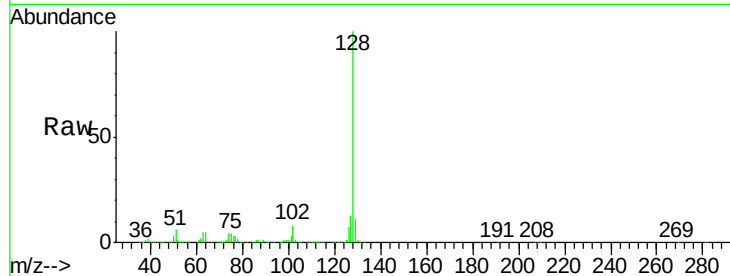
128 100

127 13.1 10.4 15.6

129 11.0 8.8 13.2

Manual Integrations
APPROVED

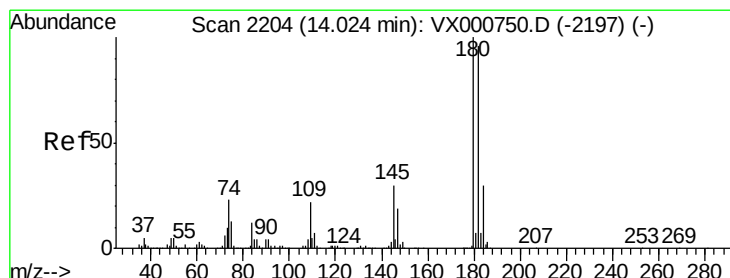
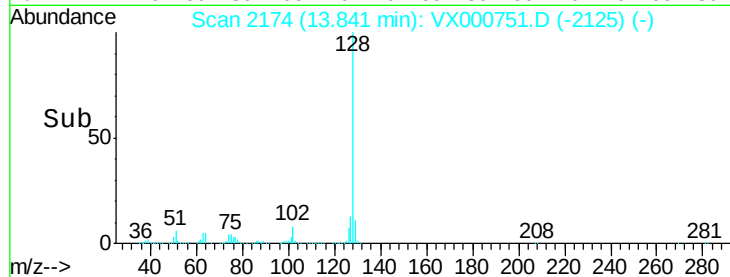
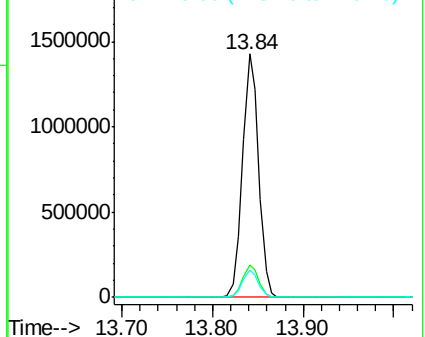
MMDadoda
4/11/2018 11:20:43 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 105.27 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000751.D

Acq: 10 Apr 2018 15:02

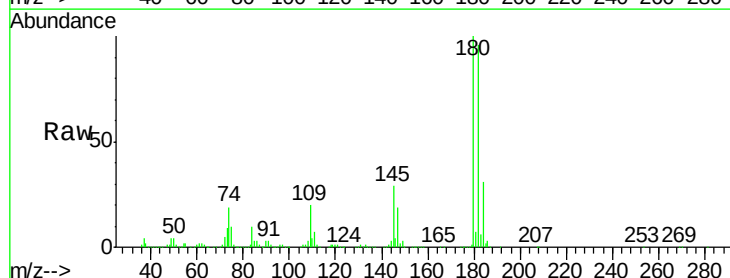
Tgt Ion:180 Resp: 652885

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 29.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

