

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000999.D
 Acq On : 19 Apr 2018 19:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:32 PM

Quant Time: Apr 20 05:13:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347107	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	228065	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146460	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
35) Dibromofluoromethane	5.51	113	123761	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	8.73	98	450452	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	11.14	95	185647	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	175696	55.14	ug/l	98
3) Chloromethane	1.32	50	156923	52.89	ug/l	99
4) Vinyl Chloride	1.41	62	157572	51.24	ug/l	99
5) Bromomethane	1.64	94	99012	57.01	ug/l	100
6) Chloroethane	1.73	64	90721	49.65	ug/l	99
7) Trichlorofluoromethane	1.93	101	227250	49.19	ug/l	100
8) Diethyl Ether	2.19	74	83906	49.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	131493	48.58	ug/l	99
10) Methyl Iodide	2.52	142	128112	48.27	ug/l	100
11) Tert butyl alcohol	3.07	59	125039	254.57	ug/l	99
12) 1,1-Dichloroethene	2.38	96	124127	49.59	ug/l	99
13) Acrolein	2.30	56	48752	315.60	ug/l	99
14) Allyl chloride	2.73	41	226232	49.94	ug/l	99
15) Acrylonitrile	3.15	53	330555	248.67	ug/l	99
16) Acetone	2.45	43	288470	235.22	ug/l	99
17) Carbon Disulfide	2.57	76	366588	51.38	ug/l	100
18) Methyl Acetate	2.78	43	200077	53.91	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	419034	49.79	ug/l	99
20) Methylene Chloride	2.86	84	133649	51.76	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	135816	48.74	ug/l	99
22) Diisopropyl ether	3.88	45	447698	51.05	ug/l	99
23) Vinyl Acetate	3.83	43	1852030	255.09	ug/l	100
24) 1,1-Dichloroethane	3.70	63	243029	49.41	ug/l	99
25) 2-Butanone	4.71	43	478395	249.89	ug/l	100
26) 2,2-Dichloropropane	4.59	77	210445	49.73	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	156181	50.31	ug/l	98
28) Bromochloromethane	5.03	49	100625	53.19	ug/l	100
29) Tetrahydrofuran	5.17	42	306367	253.24	ug/l	99
30) Chloroform	5.23	83	251585	49.38	ug/l	99
31) Cyclohexane	5.58	56	224315	48.86	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	232248	50.85	ug/l	99
36) 1,1-Dichloropropene	5.81	75	199474	48.90	ug/l	100
37) Ethyl Acetate	4.87	43	189685	50.70	ug/l	100
38) Carbon Tetrachloride	5.79	117	205391	49.73	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000999.D
 Acq On : 19 Apr 2018 19:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:32 PM

Quant Time: Apr 20 05:13:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	233240	49.13	ug/l	100
40) Benzene	6.15	78	557462	49.16	ug/l	99
41) Methacrylonitrile	5.07	41	111800	47.85	ug/l	99
42) 1,2-Dichloroethane	6.21	62	209301	48.08	ug/l	99
43) Isopropyl Acetate	6.47	43	325313	50.68	ug/l	100
44) Trichloroethene	7.22	130	169658	48.97	ug/l	99
45) 1,2-Dichloropropane	7.52	63	144359	50.63	ug/l	100
46) Dibromomethane	7.67	93	97739	49.06	ug/l	98
47) Bromodichloromethane	7.91	83	189859	51.44	ug/l	98
48) Methyl methacrylate	7.79	41	172608	49.94	ug/l	99
49) 1,4-Dioxane	7.76	88	51608	1015.34	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	991965	254.51	ug/l	99
52) Toluene	8.79	92	369044	49.86	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	231490	52.44	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	223818	53.77	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	146427	49.77	ug/l	99
56) Ethyl methacrylate	9.19	69	223300	51.68	ug/l	99
57) 1,3-Dichloropropane	9.38	76	237433	48.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	539407	255.78	ug/l	100
59) 2-Hexanone	9.51	43	749830	251.34	ug/l	100
60) Dibromochloromethane	9.59	129	164522	53.25	ug/l	100
61) 1,2-Dibromoethane	9.68	107	156863	50.52	ug/l	100
64) Tetrachloroethene	9.34	164	168753	48.51	ug/l	98
65) Chlorobenzene	10.15	112	432184	49.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	157678	52.66	ug/l	99
67) Ethyl Benzene	10.26	91	725008	50.05	ug/l	99
68) m/p-Xylenes	10.37	106	570227	99.88	ug/l	100
69) o-Xylene	10.71	106	273001	49.60	ug/l	98
70) Styrene	10.72	104	462237	50.99	ug/l	99
71) Bromoform	10.87	173	137218	49.27	ug/l	99
73) Isopropylbenzene	11.02	105	746009	50.03	ug/l	99
74) N-amyl acetate	6.47	43	325313	51.00	ug/l #	100
75) 1,1,1,2-Tetrachloroethane	11.27	83	217487	51.53	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	201870m	51.02	ug/l	
77) Bromobenzene	11.26	156	214829	49.64	ug/l	100
78) n-propylbenzene	11.37	91	848668	49.58	ug/l	100
79) 2-Chlorotoluene	11.43	91	498722	49.31	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	633676	50.14	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	62469	48.55	ug/l	96
82) 4-Chlorotoluene	11.52	91	600844	49.16	ug/l	100
83) tert-Butylbenzene	11.77	119	648221	50.84	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	654360	50.31	ug/l	100
85) sec-Butylbenzene	11.95	105	753278	49.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	704756	50.06	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	398411	49.17	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	403500	48.52	ug/l	100
89) n-Butylbenzene	12.40	91	621529	49.62	ug/l	99
90) Hexachloroethane	12.60	117	108088	54.18	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	387217	49.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48171	54.48	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
Data File : VX000999.D
Acq On : 19 Apr 2018 19:45
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

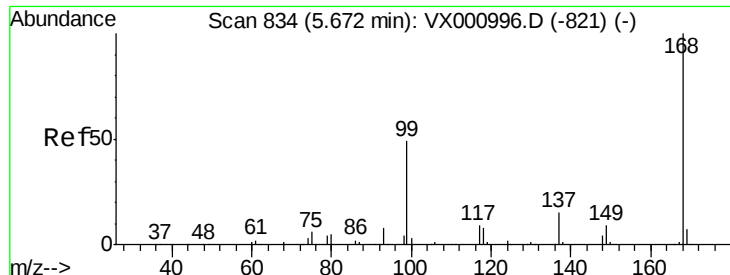
Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM

Quant Time: Apr 20 05:13:52 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	326491	49.59	ug/l	100
94) Hexachlorobutadiene	13.79	225	150156	50.40	ug/l	100
95) Naphthalene	13.84	128	845520	52.21	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315671	49.57	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. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tot Ion: 168 Resp: 256923

Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8

Instrument :

MSVOA_X

ClientSampleId :

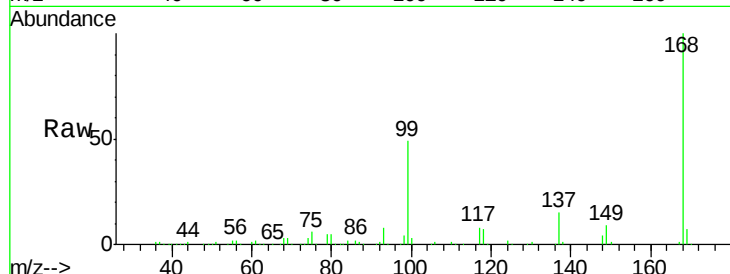
ICVVX041918

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

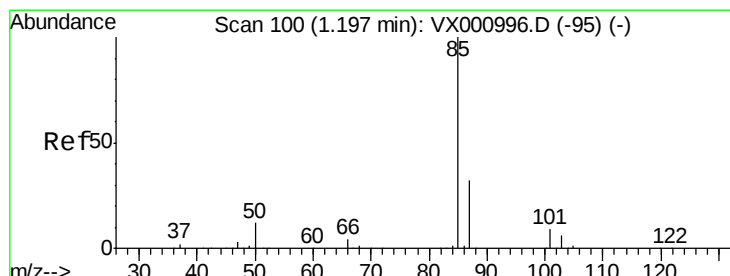
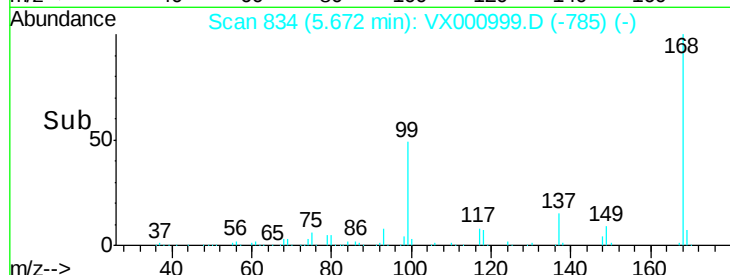
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 55.14 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000999.D

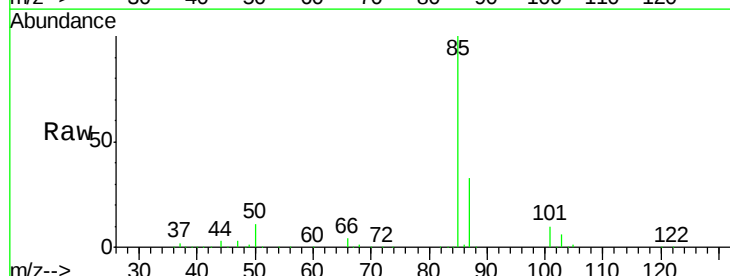
Acq: 19 Apr 2018 19:45

Tgt Ion: 85 Resp: 175696

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

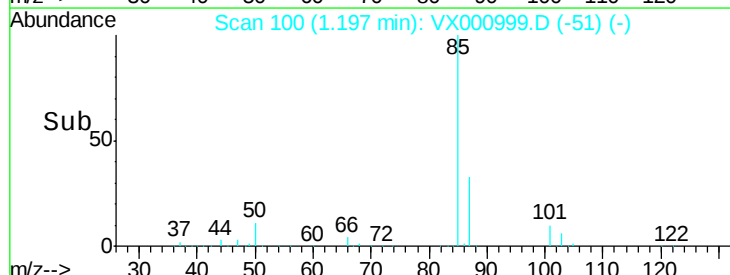
100000

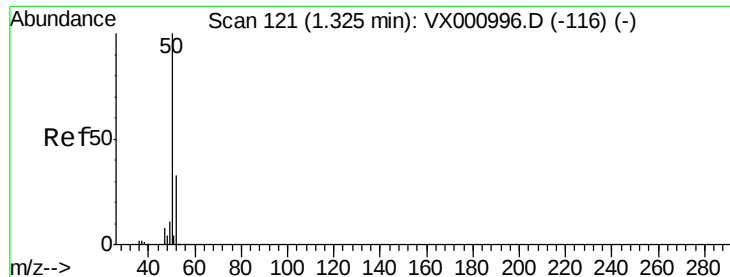
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 52.89 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 50 Resp: 156923

Ion Ratio Lower Upper

50 100

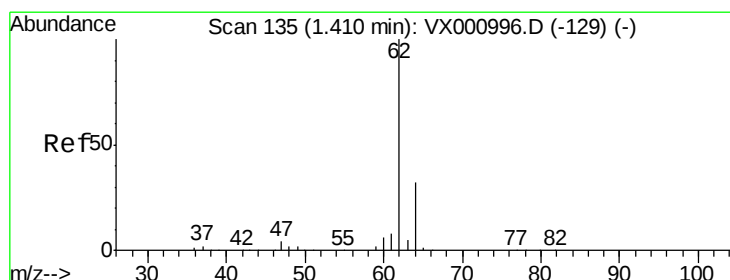
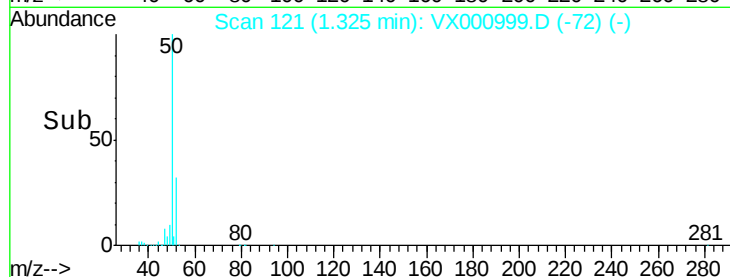
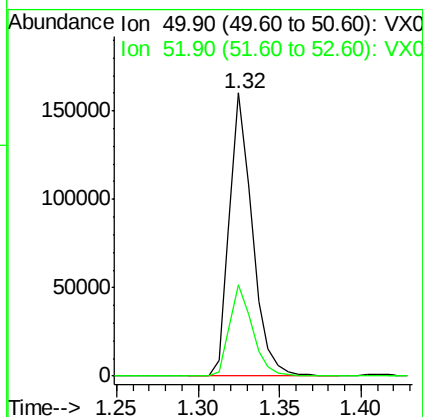
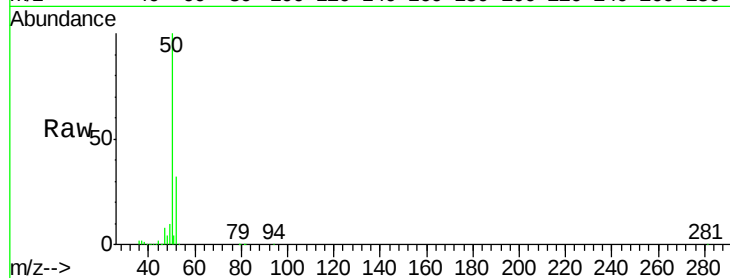
52 32.3 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



#4

Vinyl Chloride

Concen: 51.24 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000999.D

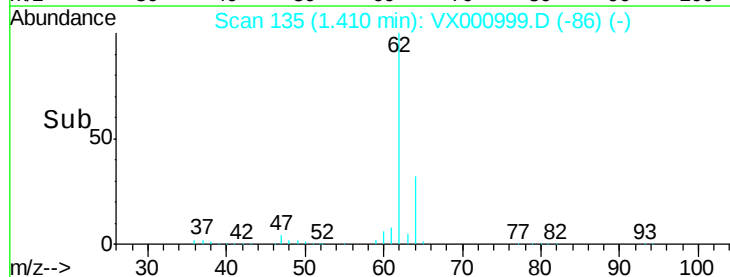
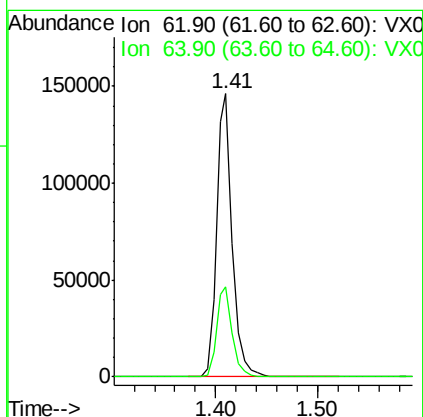
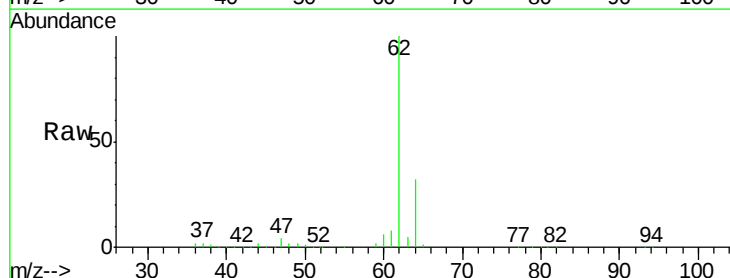
Acq: 19 Apr 2018 19:45

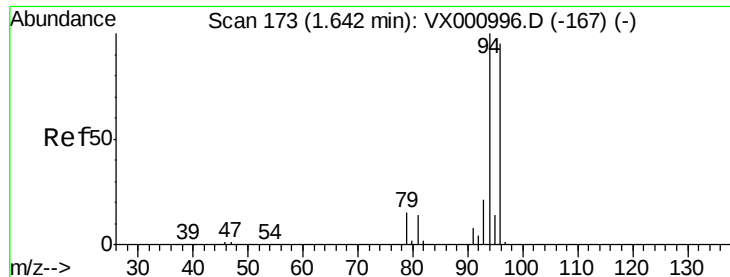
Tgt Ion: 62 Resp: 157572

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 57.01 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 94 Resp: 99012

Ion Ratio Lower Upper

94 100

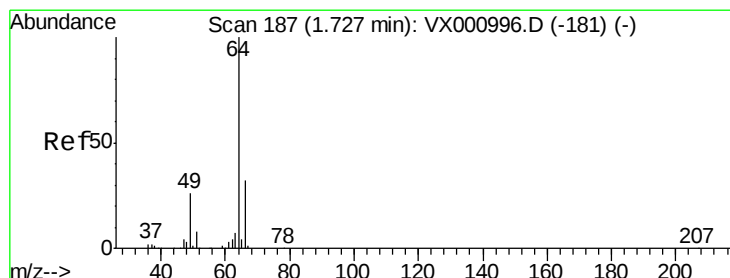
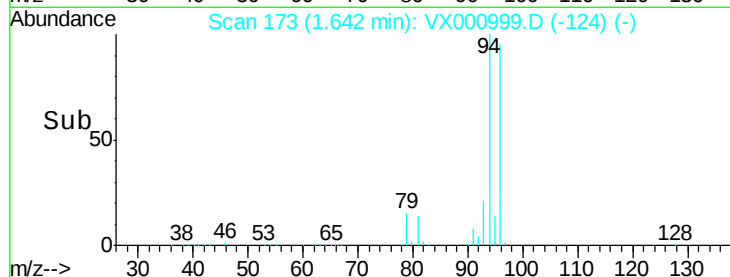
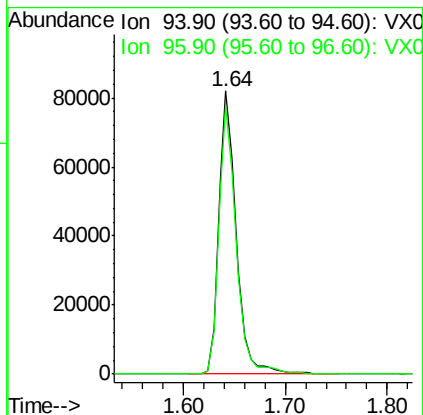
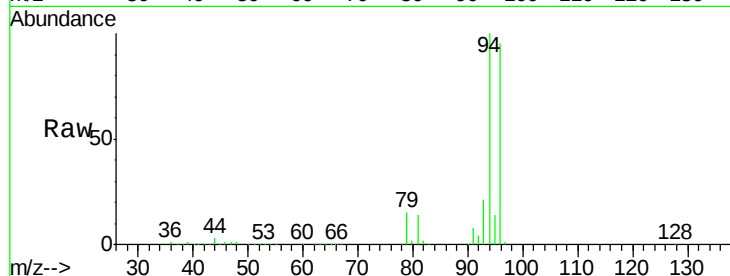
96 94.5 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



#6

Chloroethane

Concen: 49.65 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000999.D

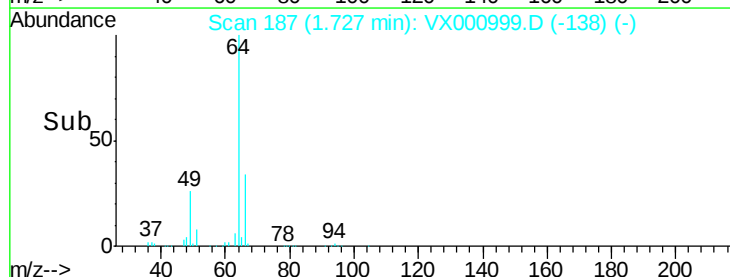
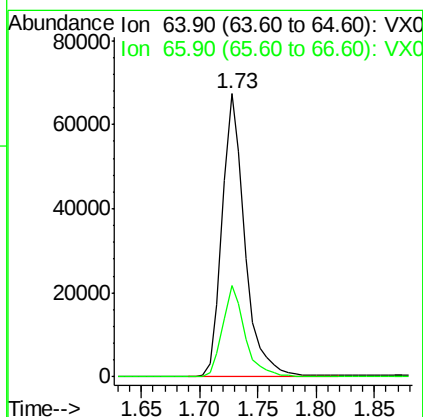
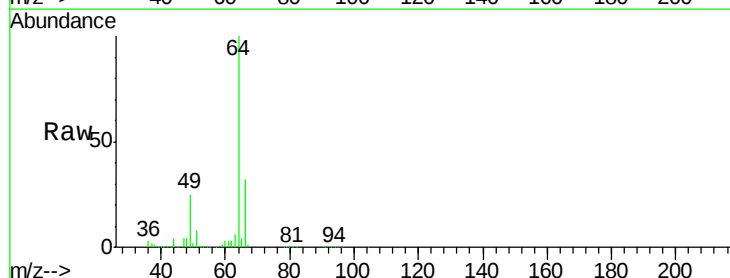
Acq: 19 Apr 2018 19:45

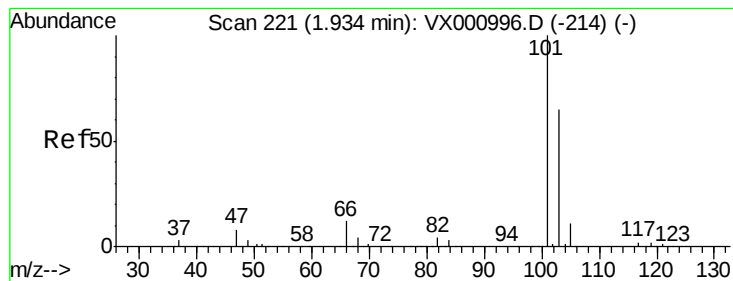
Tgt Ion: 64 Resp: 90721

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9





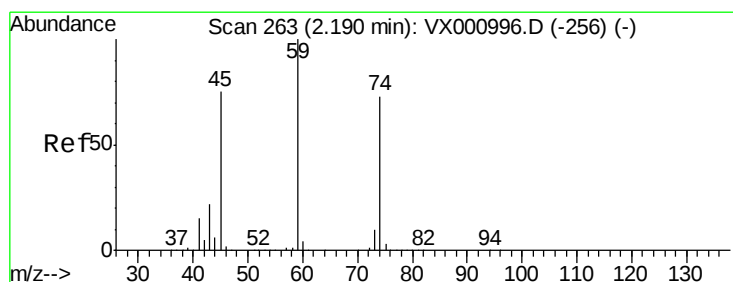
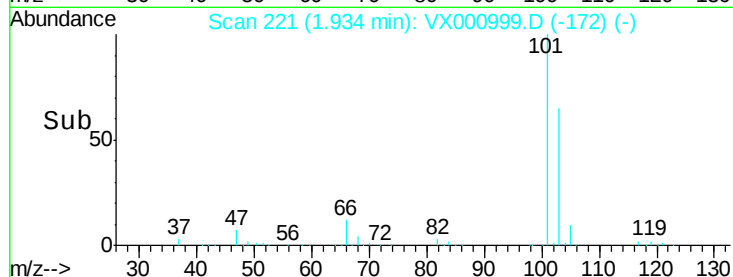
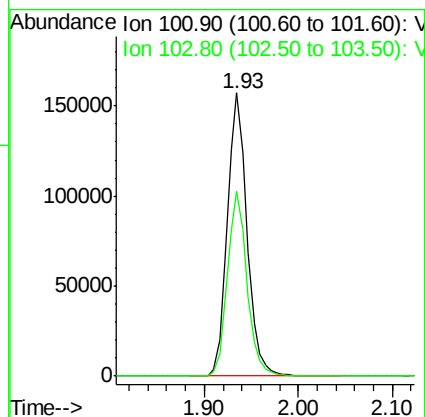
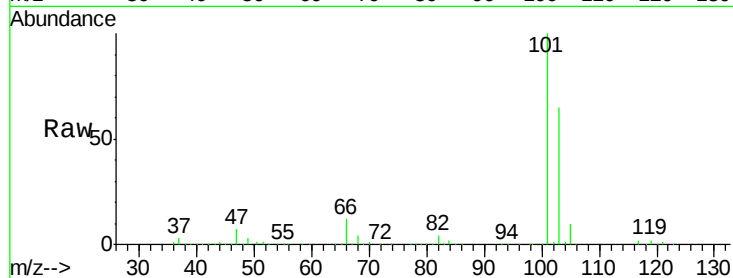
#7
 Trichlorofluoromethane
 Concen: 49.19 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion: 101 Resp: 227250
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.8

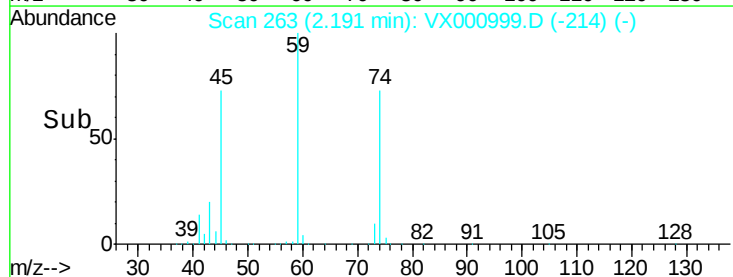
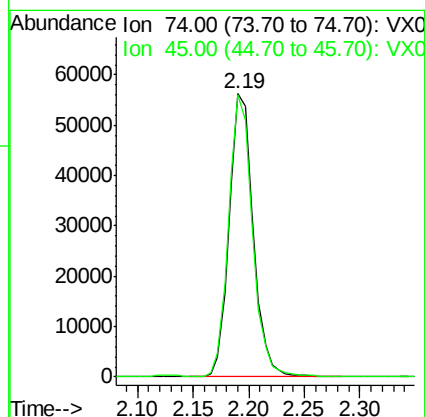
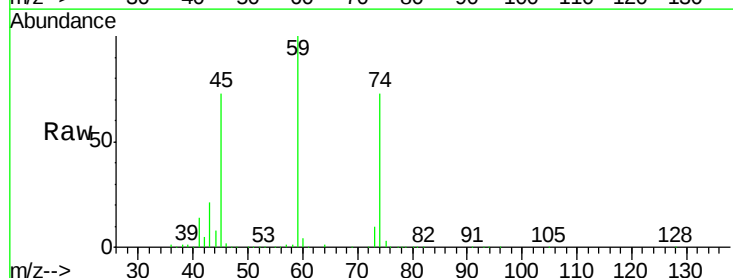
Manual Integrations
 APPROVED

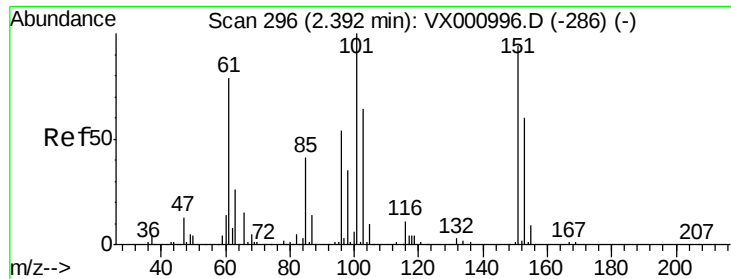
MMDadoda
 4/20/2018 2:09:32 PM



#8
 Diethyl Ether
 Concen: 49.17 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion: 74 Resp: 83906
 Ion Ratio Lower Upper
 74 100
 45 98.8 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.58 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

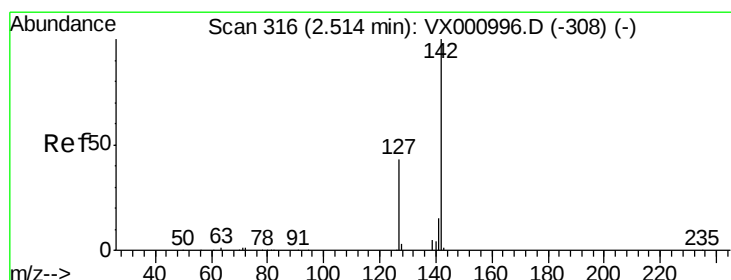
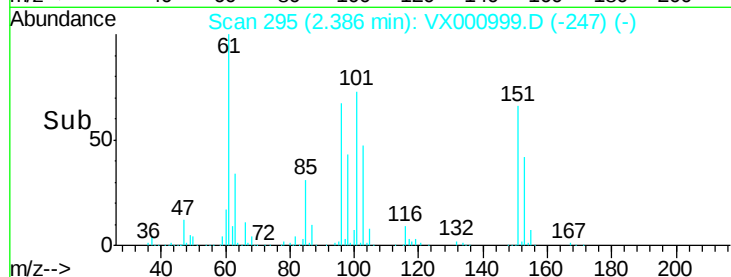
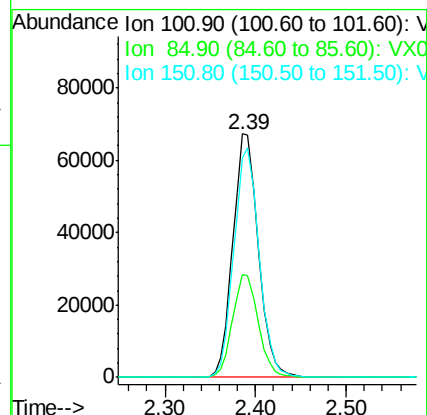
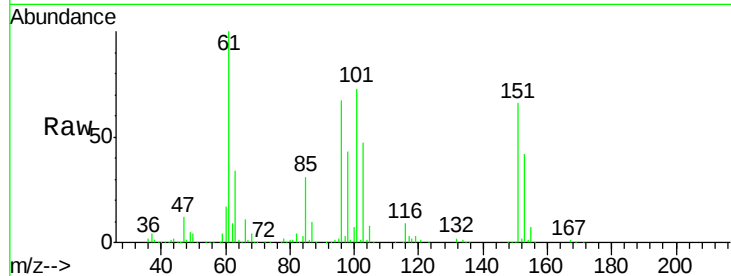
ClientSampleId :

ICVVX041918

Tot Ion:	101	Resp:	131493
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.9	50.9
151	93.4	73.5	110.3

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#10

Methyl Iodide

Concen: 48.27 ug/l

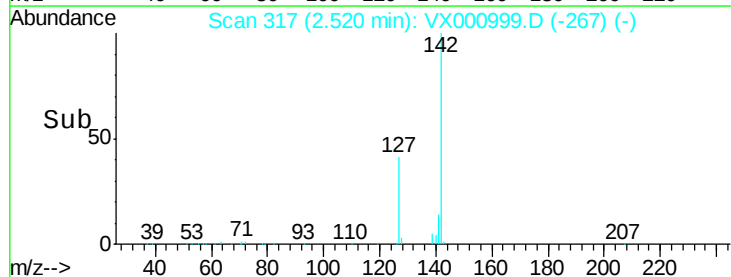
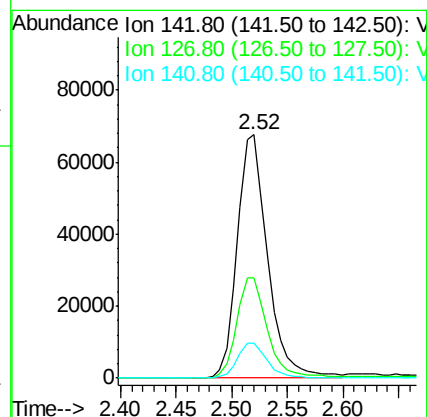
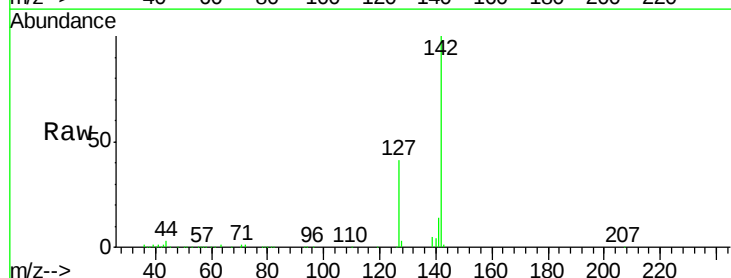
RT: 2.52 min Scan# 317

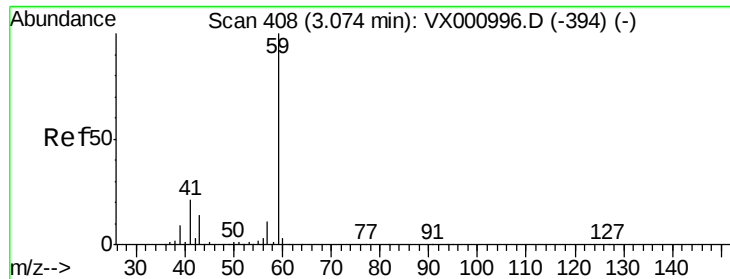
Delta R.T. 0.01 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	142	Resp:	128112
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.0	51.0
141	14.3	11.4	17.2





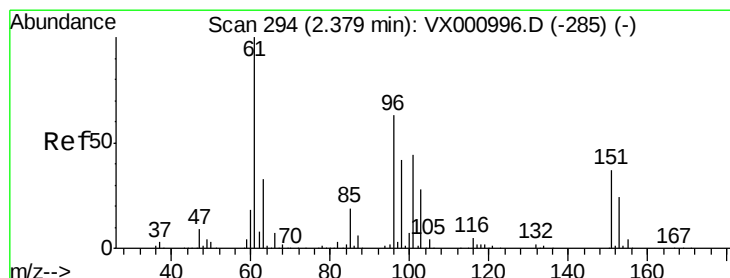
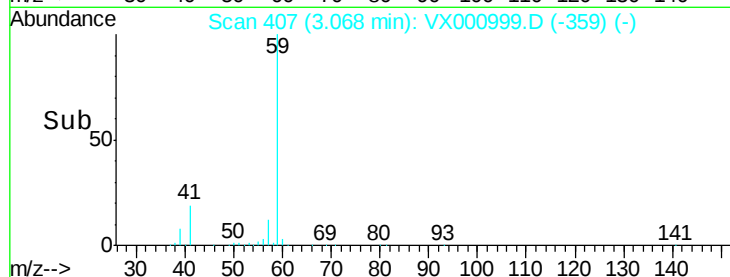
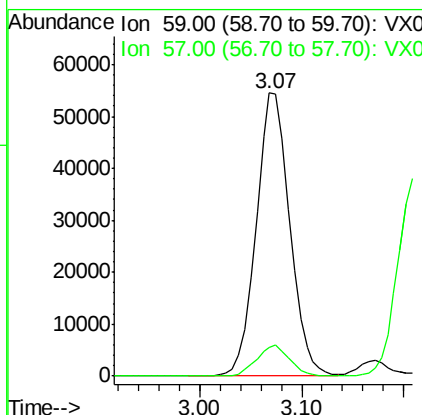
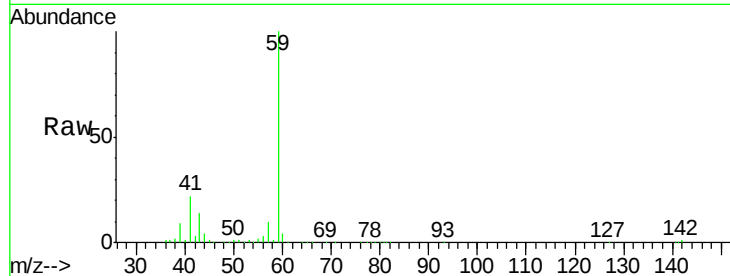
#11
Tert butyl alcohol
Concen: 254.57 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

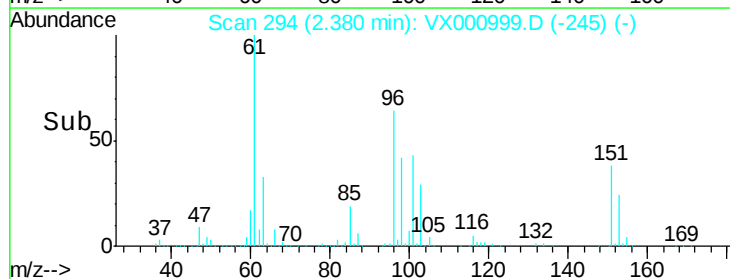
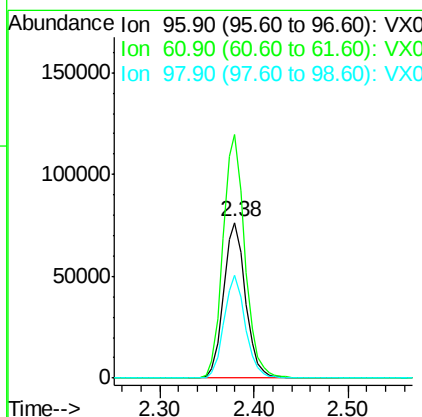
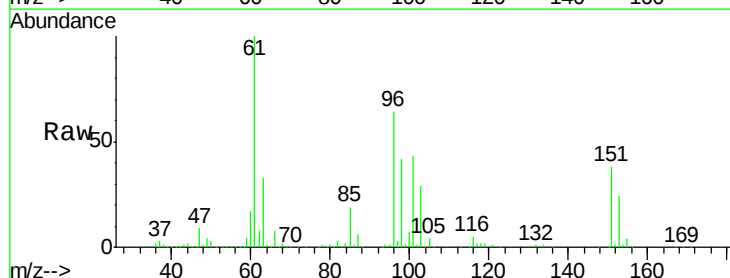
Manual Integrations
APPROVED

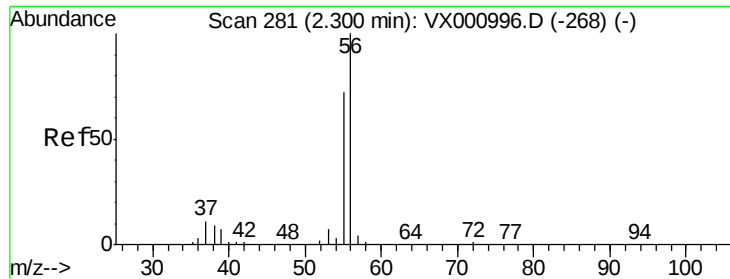
MMDadoda
4/20/2018 2:09:32 PM



#12
1,1-Dichloroethene
Concen: 49.59 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	126.4	189.6
98	65.7	52.6	78.8





#13

Acrolein

Concen: 315.60 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 56 Resp: 48752

Ion Ratio Lower Upper

56 100

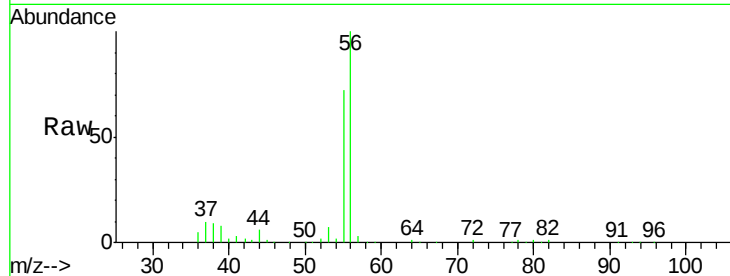
55 72.4 57.4 86.2

Manual Integrations

APPROVED

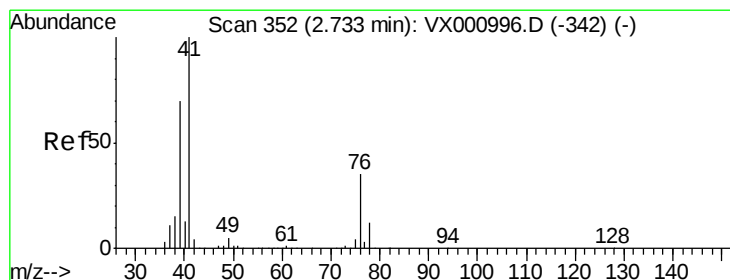
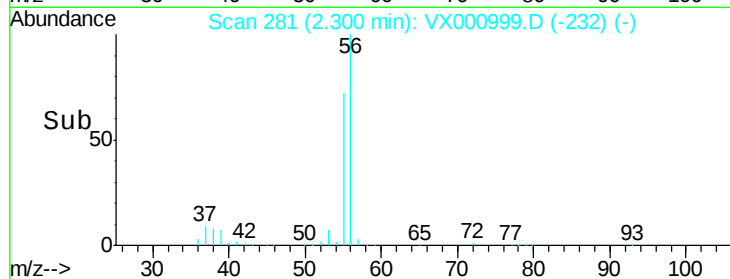
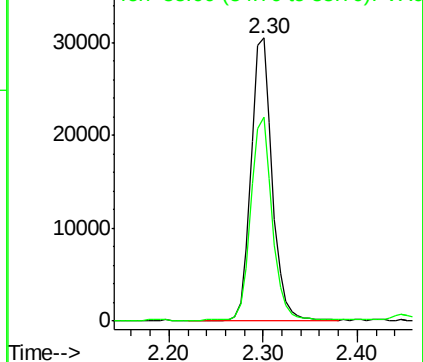
MMDadoda

4/20/2018 2:09:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.94 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

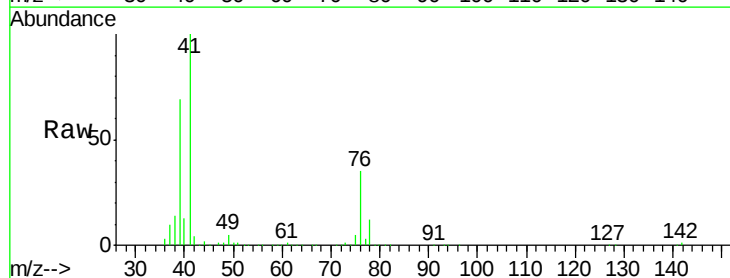
Tgt Ion: 41 Resp: 226232

Ion Ratio Lower Upper

41 100

39 64.7 53.0 79.6

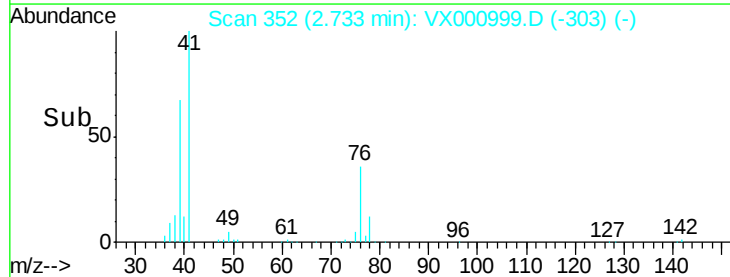
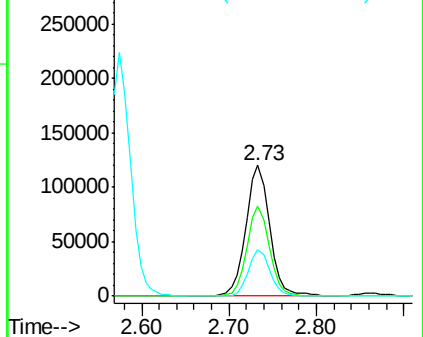
76 32.6 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 248.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

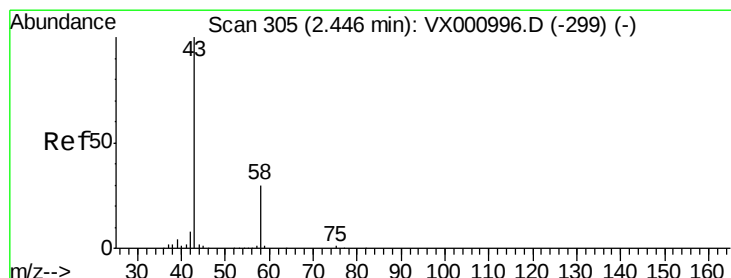
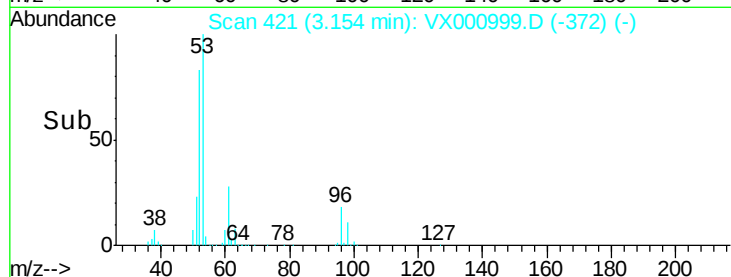
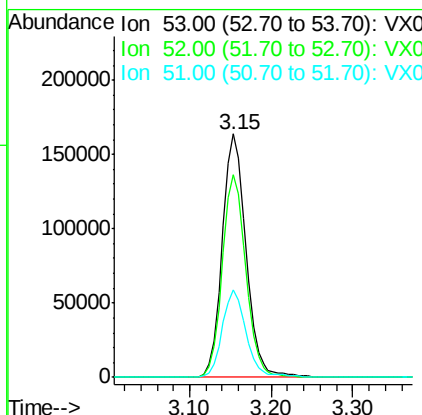
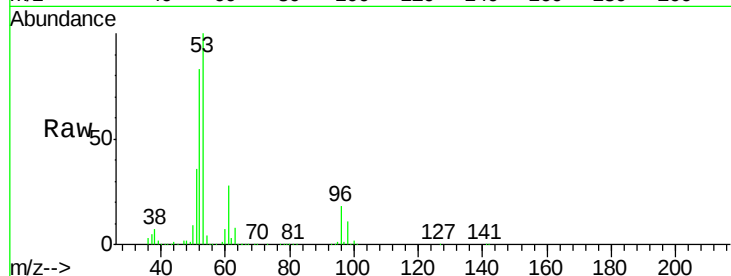
ClientSampleId :

ICVVX041918

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.0	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#16

Acetone

Concen: 235.22 ug/l

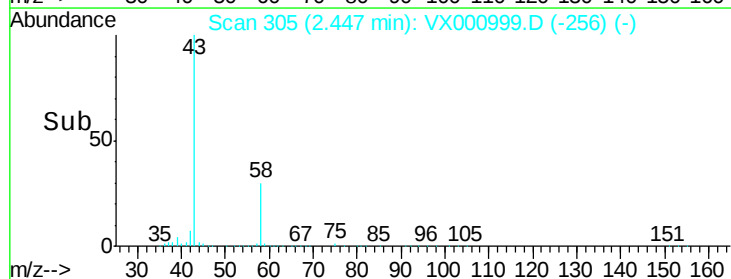
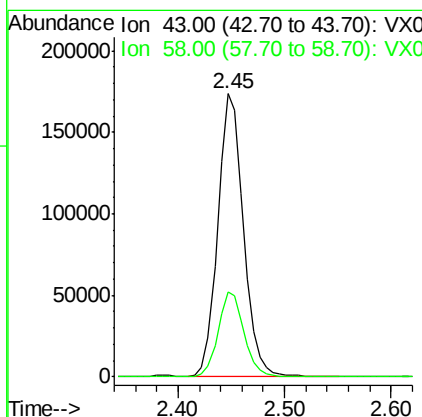
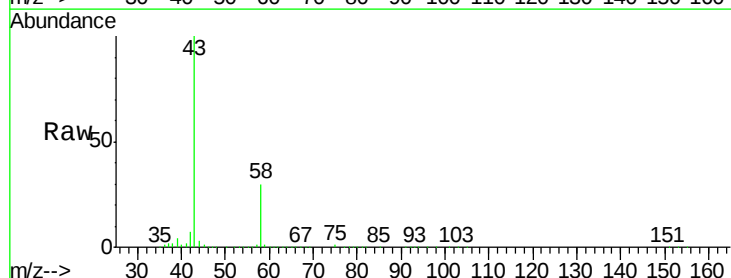
RT: 2.45 min Scan# 305

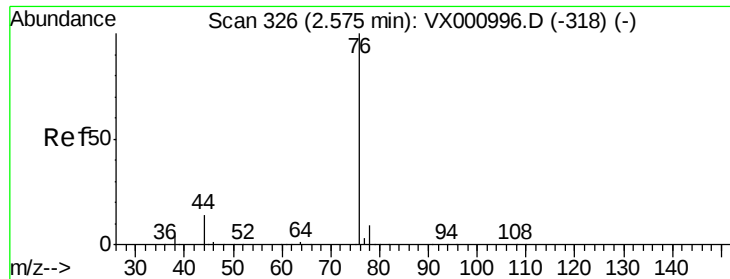
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.7	35.5





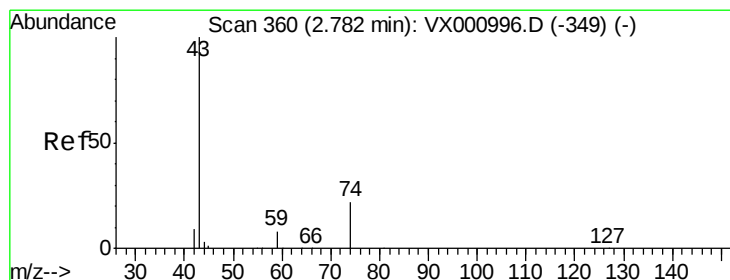
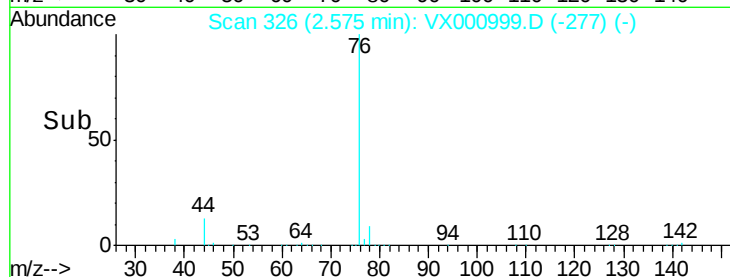
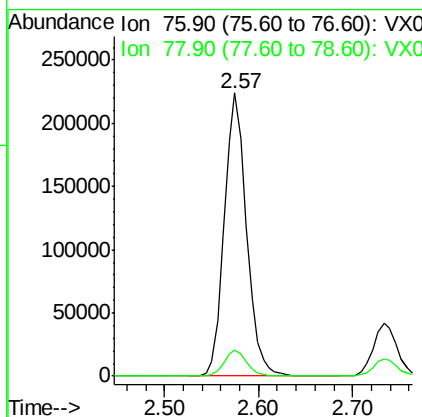
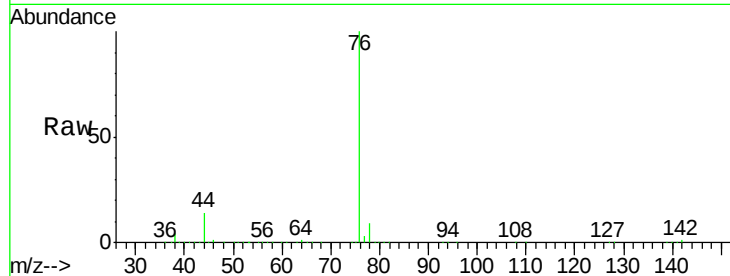
#17
Carbon Disulfide
Concen: 51.38 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

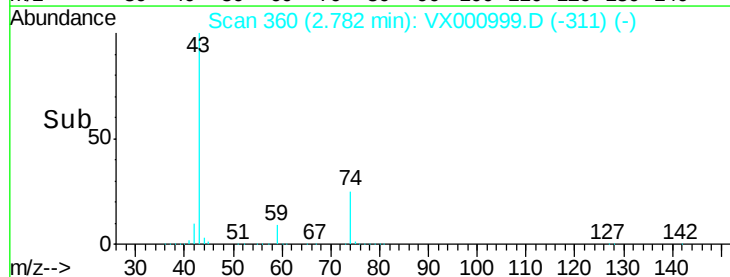
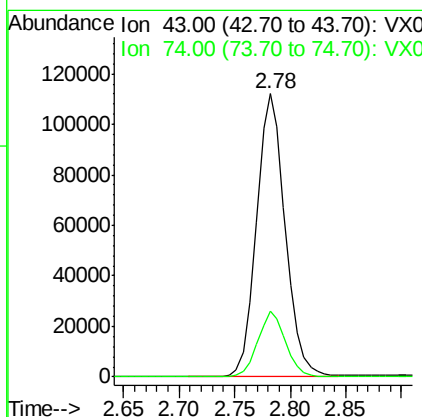
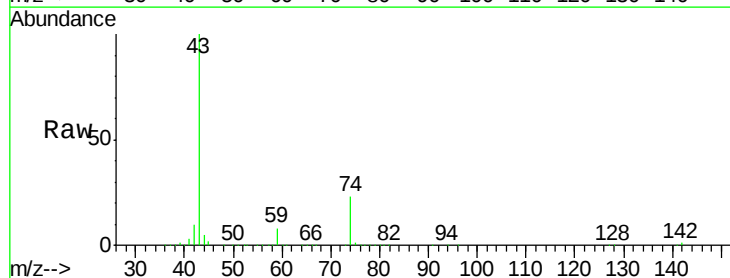
Manual Integrations
APPROVED

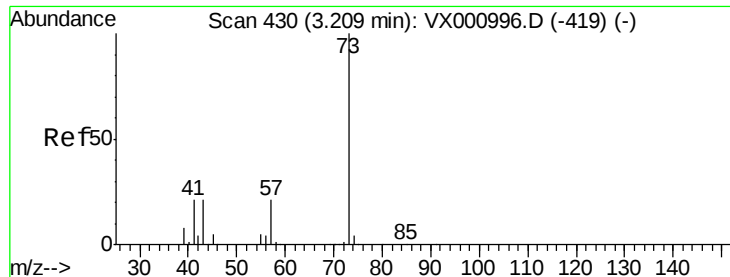
MMDadoda
4/20/2018 2:09:32 PM



#18
Methyl Acetate
Concen: 53.91 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.3	27.5





#19

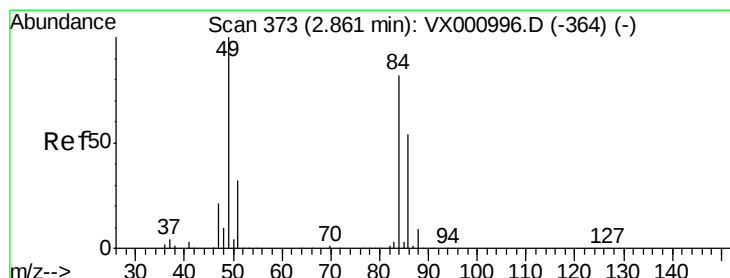
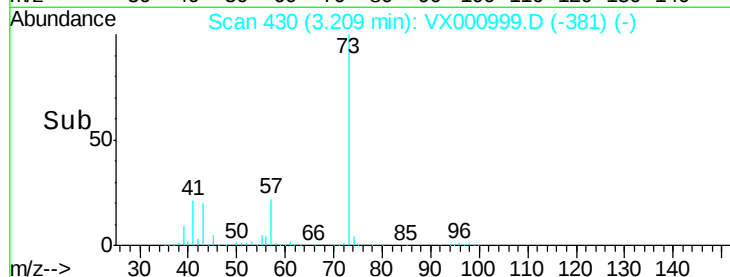
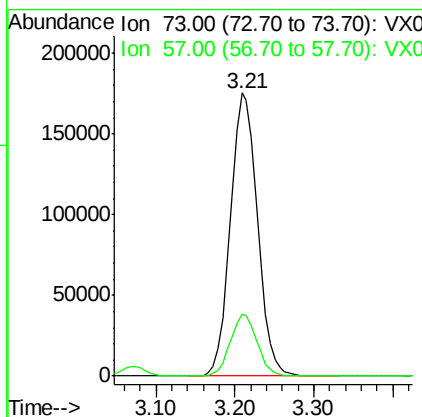
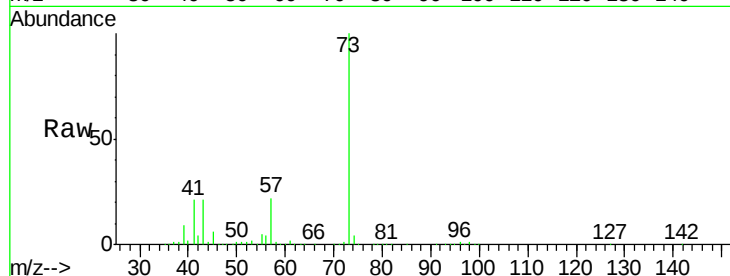
Methyl tert-butyl Ether
 Concen: 49.79 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.1	25.7

Manual Integrations
 APPROVED

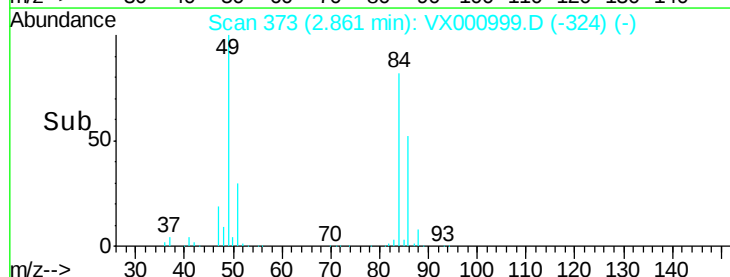
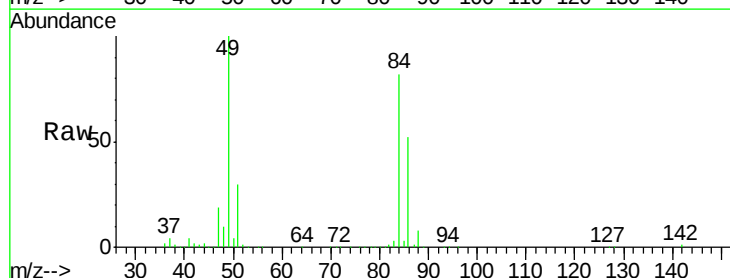
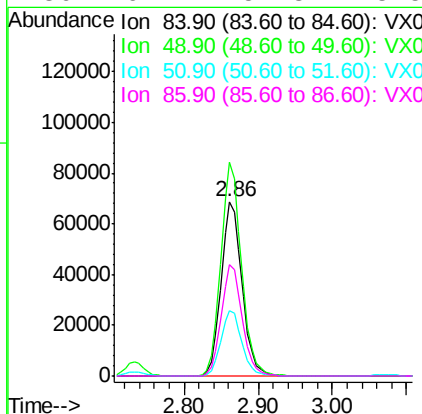
MMDadoda
 4/20/2018 2:09:32 PM

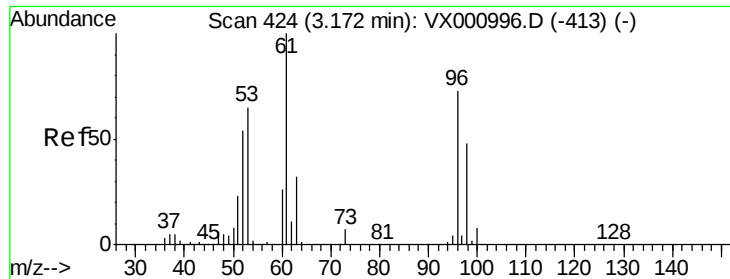


#20

Methylene Chloride
 Concen: 51.76 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	97.1	145.7
51	37.2	30.8	46.2
86	64.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 48.74 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

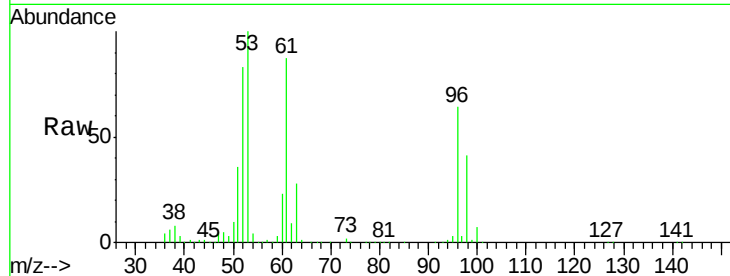
ClientSampleId :

ICVVX041918

Tot Ion:	96	Resp:	135816
Ion	Ratio	Lower	Upper
96	100		
61	135.8	109.4	164.2
98	63.9	52.6	78.8

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM

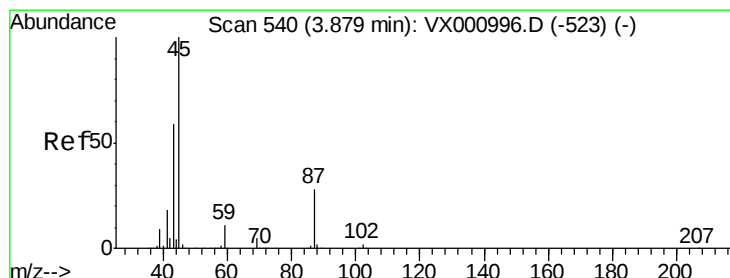
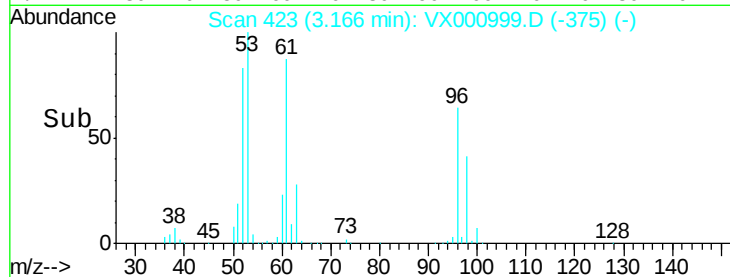
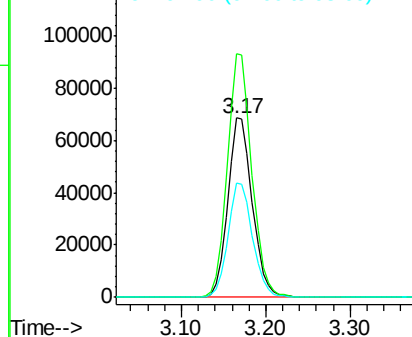


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.05 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	45	Resp:	447698
Ion	Ratio	Lower	Upper
45	100		
43	57.5	47.0	70.4
87	27.8	22.5	33.7
59	11.3	8.8	13.2

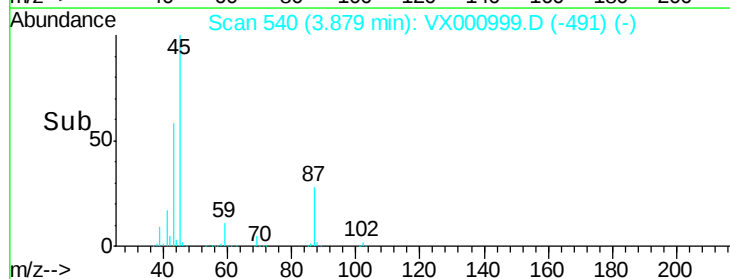
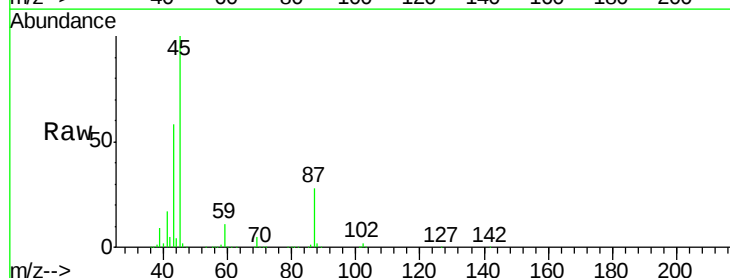
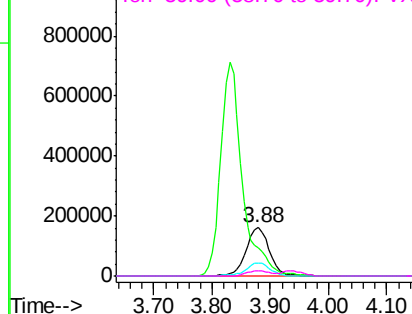
Abundance

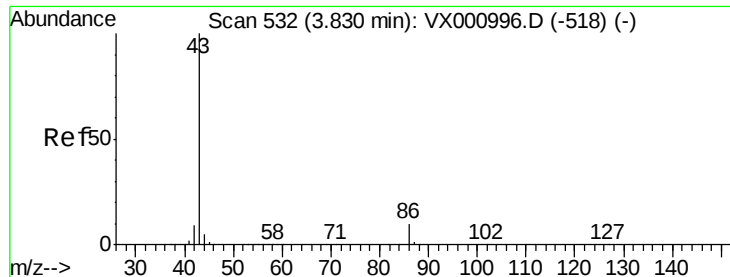
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 255.09 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tot Ion: 43 Resp: 1852030

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1

Instrument :

MSVOA_X

ClientSampleId :

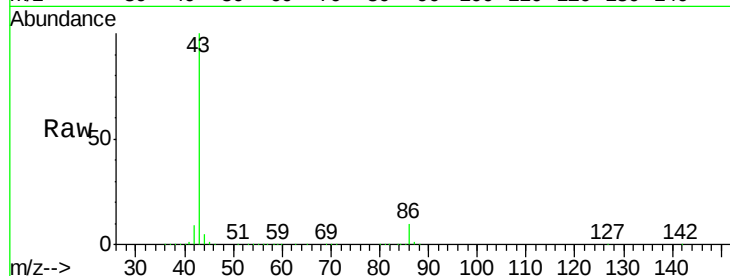
ICVVX041918

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

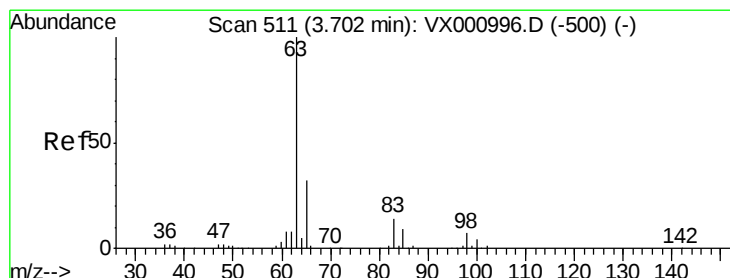
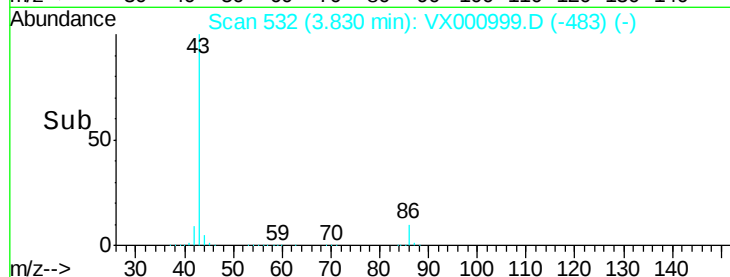
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.41 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

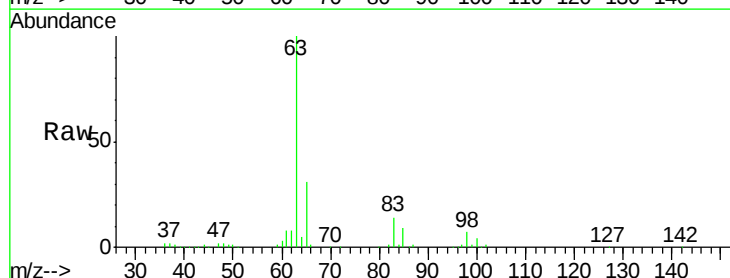
Tgt Ion: 63 Resp: 243029

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.1 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

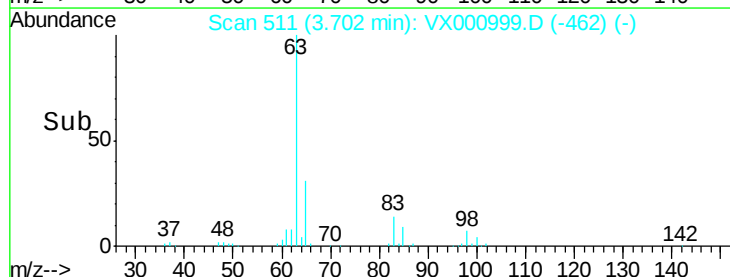
3.70

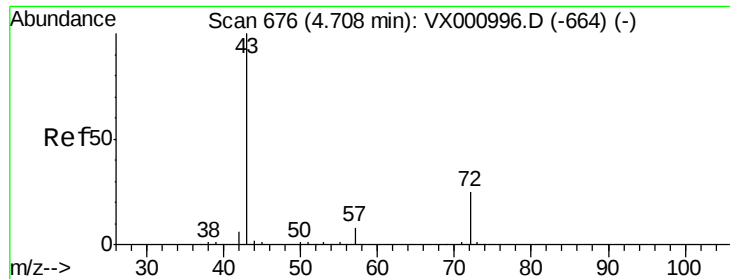
100000

50000

0

Time-->





#25

2-Butanone

Concen: 249.89 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 43 Resp: 478395

Ion Ratio Lower Upper

43 100

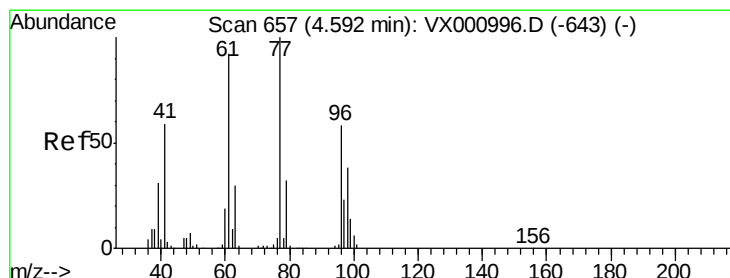
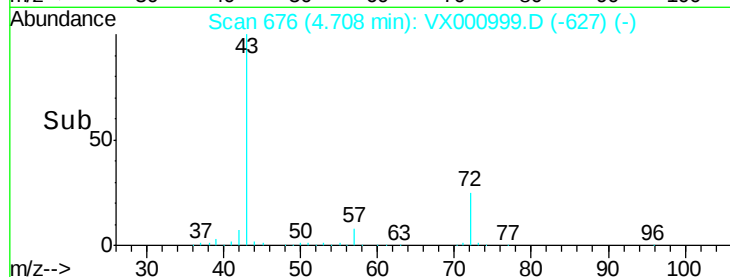
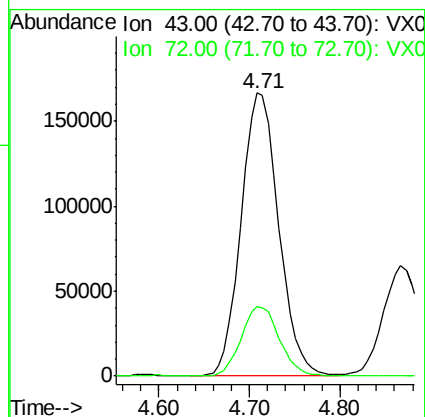
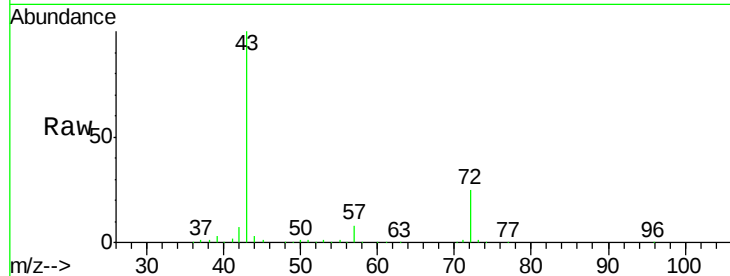
72 24.7 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



#26

2,2-Dichloropropane

Concen: 49.73 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000999.D

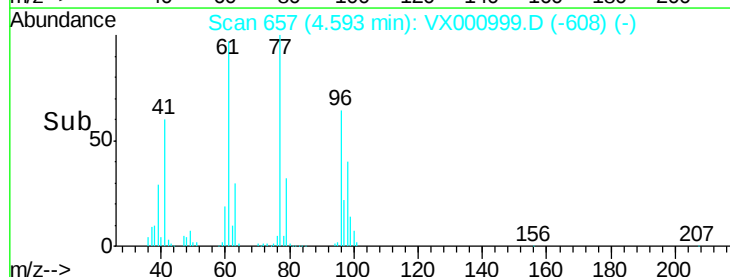
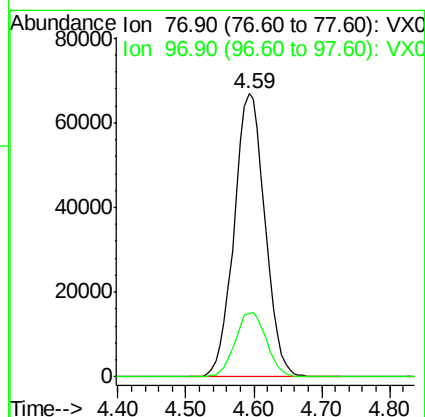
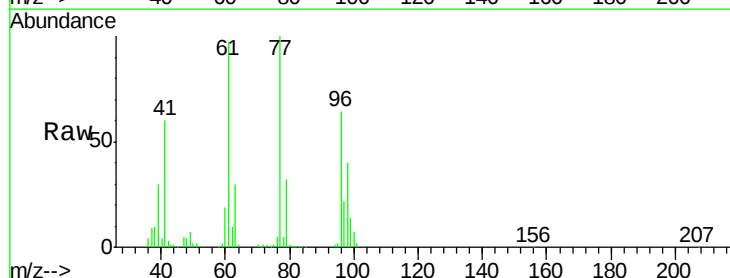
Acq: 19 Apr 2018 19:45

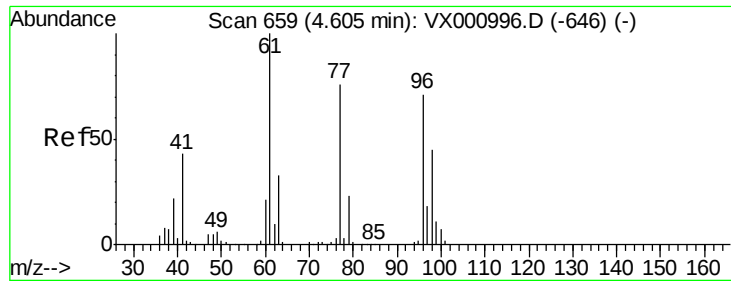
Tgt Ion: 77 Resp: 210445

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

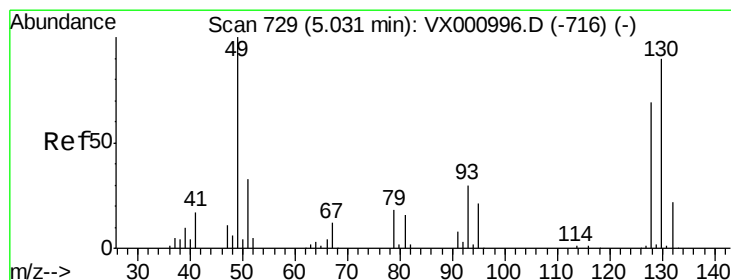
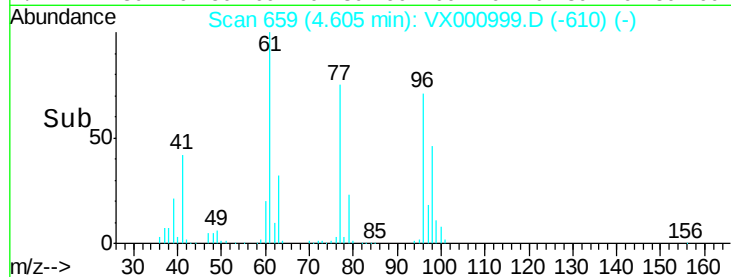
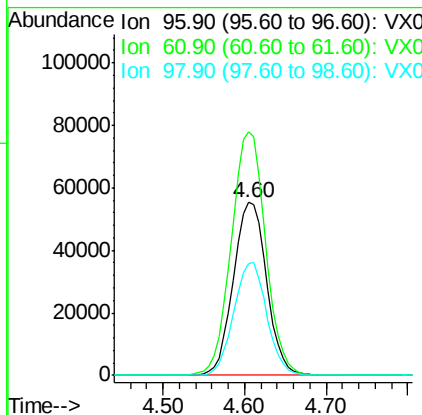
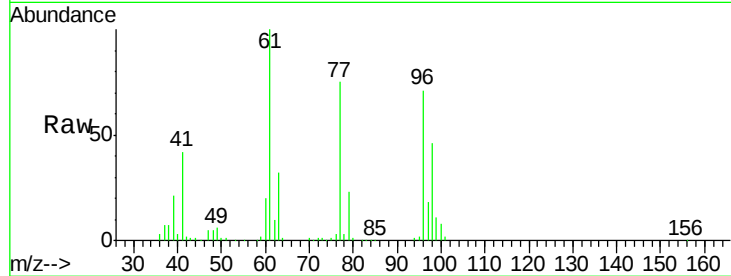
cis-1,2-Dichloroethene
 Concen: 50.31 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	297.0
98	64.7	0.0	130.0

Manual Integrations
 APPROVED

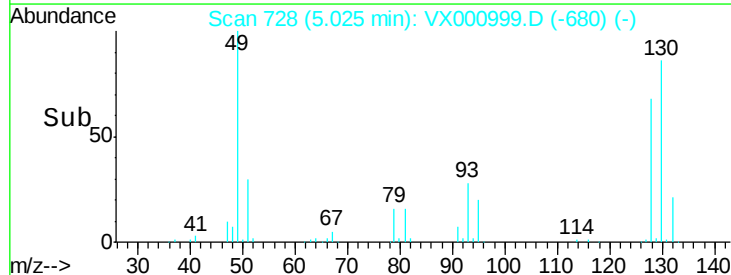
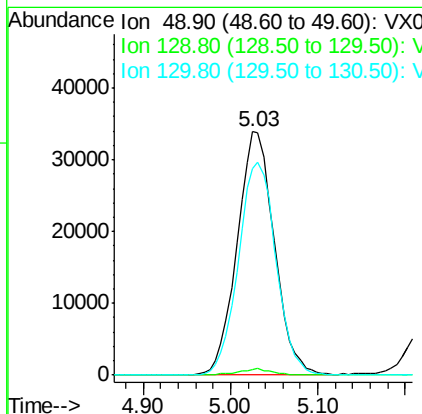
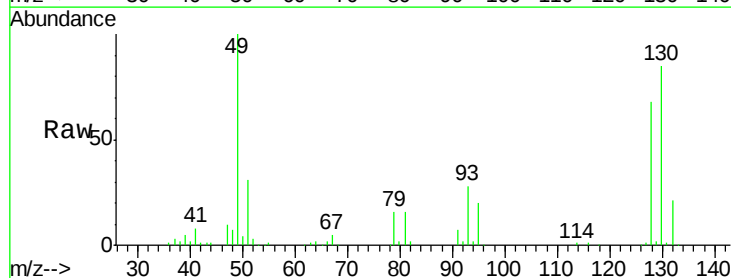
MMDadoda
 4/20/2018 2:09:32 PM

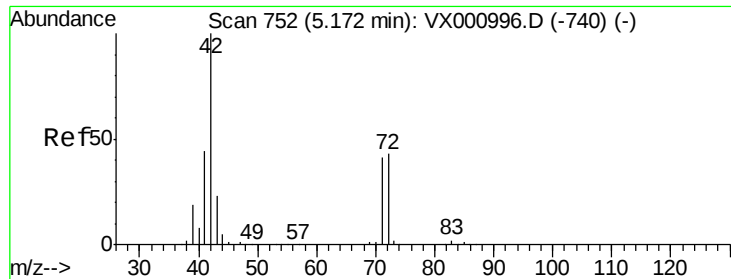


#28

Bromochloromethane
 Concen: 53.19 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	88.2	70.6	105.8





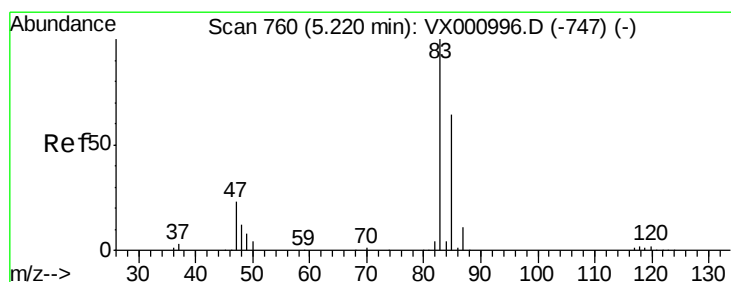
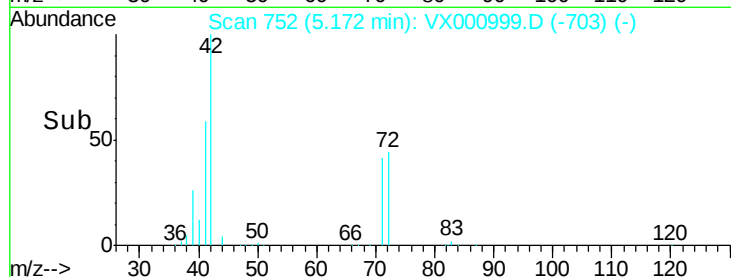
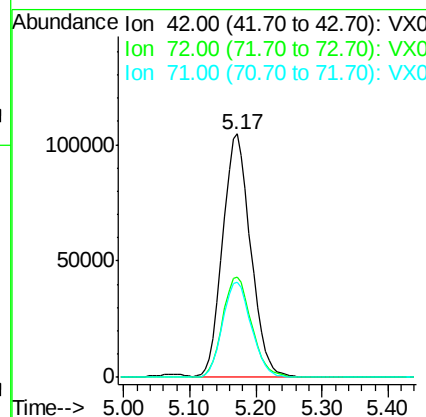
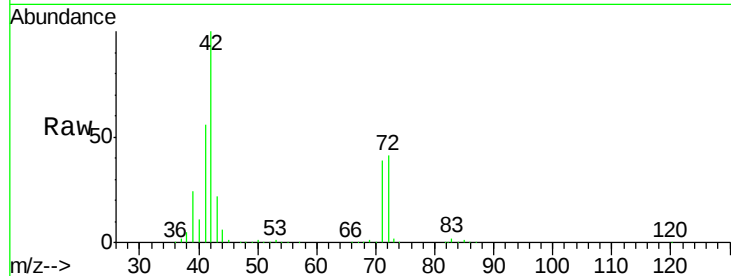
#29
Tetrahydrofuran
Concen: 253.24 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVX041918

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	52.0
71	40.3	32.6	49.0

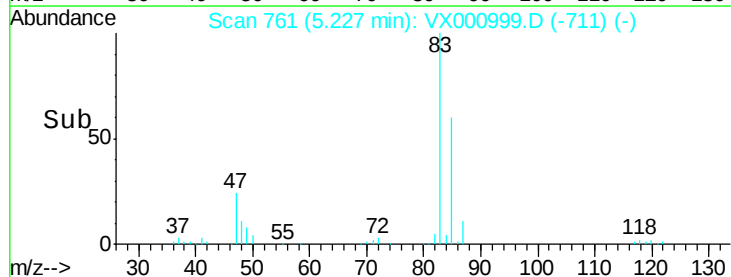
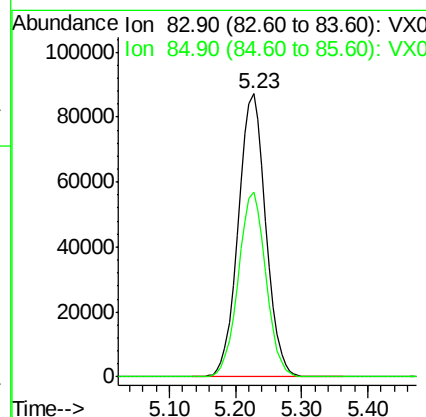
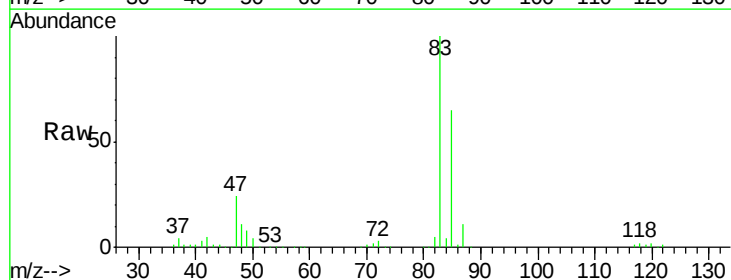
Manual Integrations
APPROVED

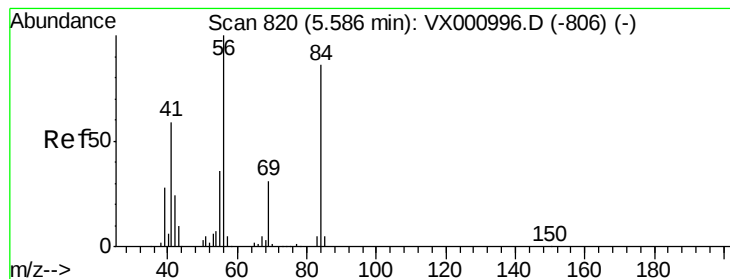
MMDadoda
4/20/2018 2:09:32 PM



#30
Chloroform
Concen: 49.38 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9





#31

Cyclohexane

Concen: 48.86 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

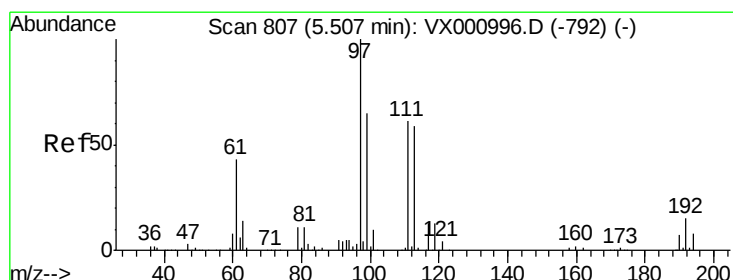
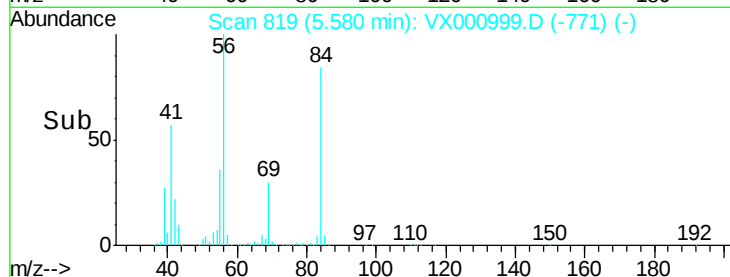
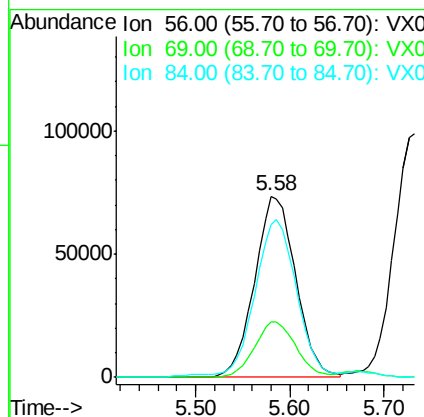
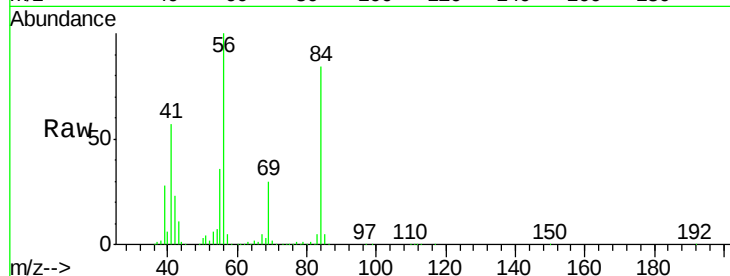
ClientSampleId :

ICVXX041918

Tot Ion:	56	Resp:	224315
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.6	36.8
84	83.1	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#32

1,1,1-Trichloroethane

Concen: 50.85 ug/l

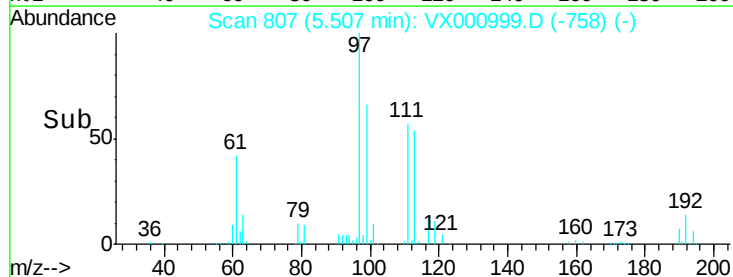
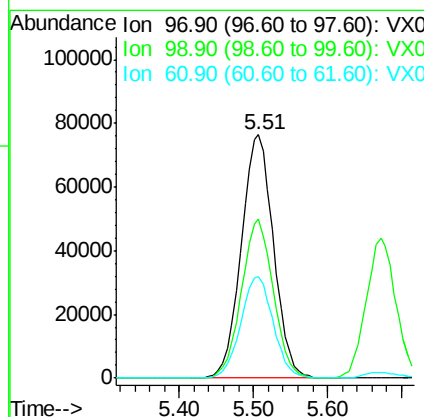
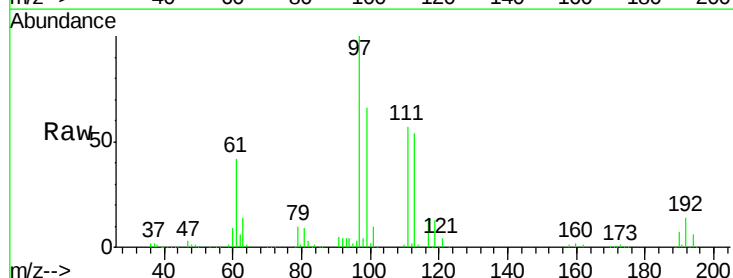
RT: 5.51 min Scan# 807

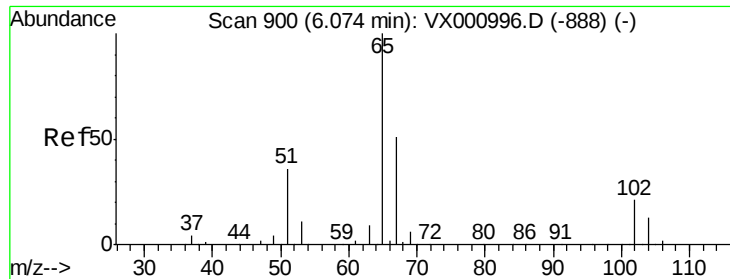
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	97	Resp:	232248
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	41.9	34.4	51.6





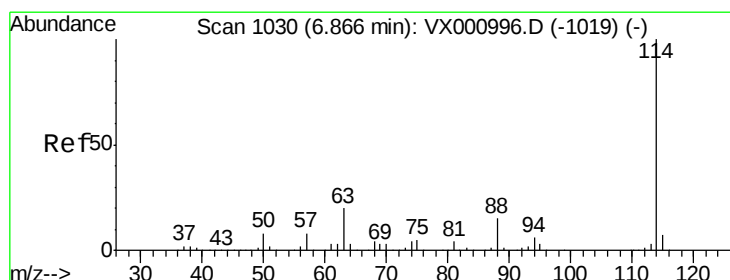
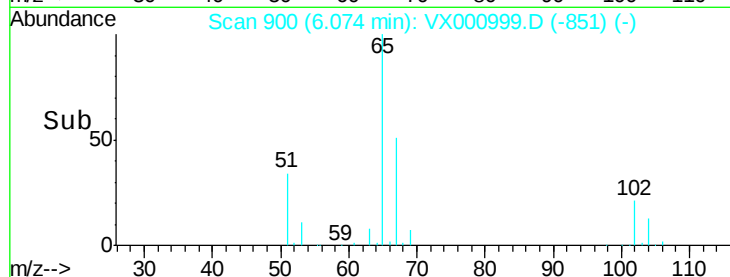
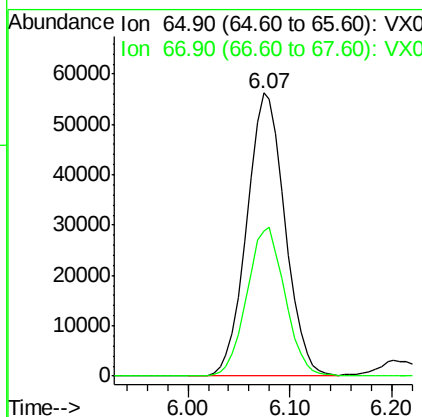
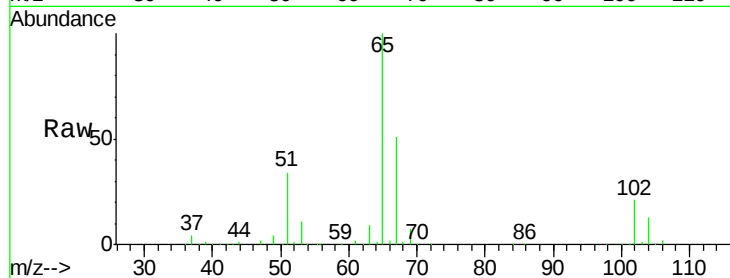
#33
 1,2-Dichloroethane-d4
 Concen: 44.97 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.6

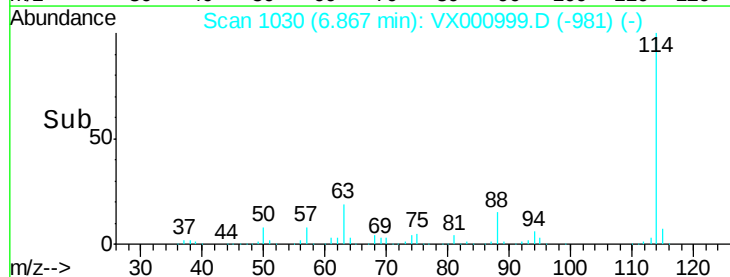
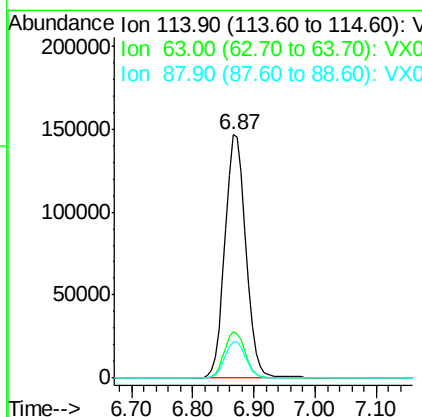
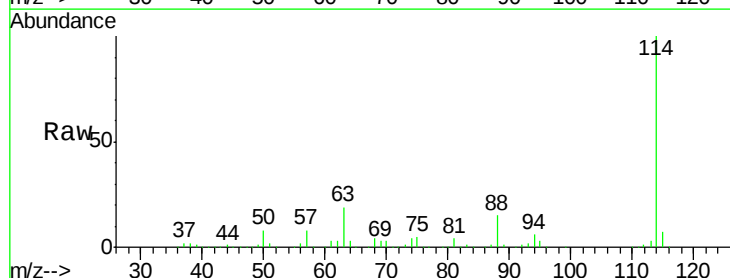
Manual Integrations
 APPROVED

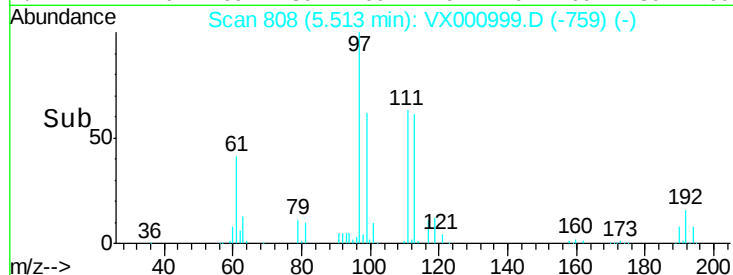
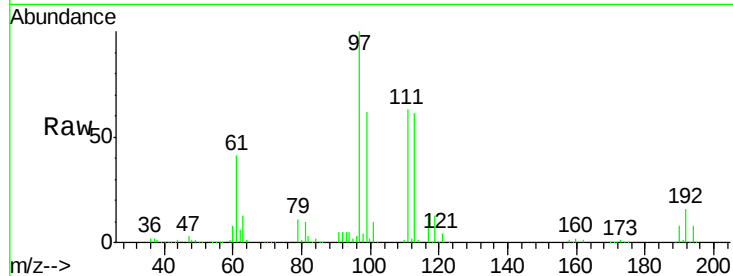
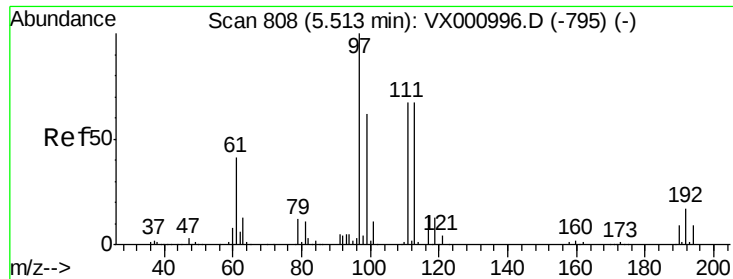
MMDadoda
 4/20/2018 2:09:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.4
88	15.1	0.0	29.8





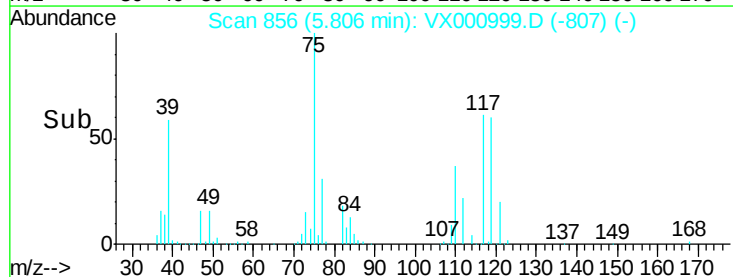
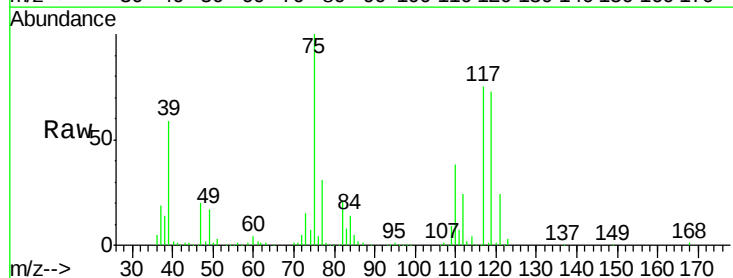
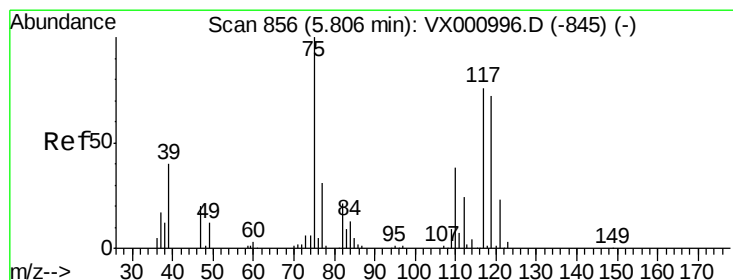
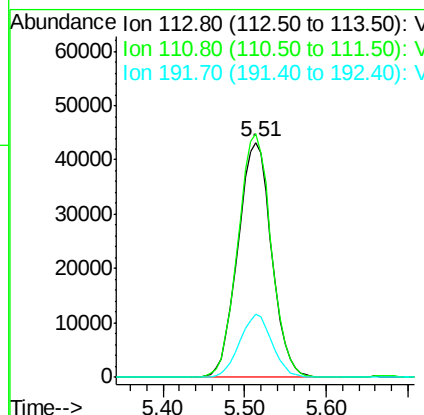
#35
Dibromofluoromethane
Concen: 46.76 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123761		
111	102.6	81.4	122.2	
192	26.0	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

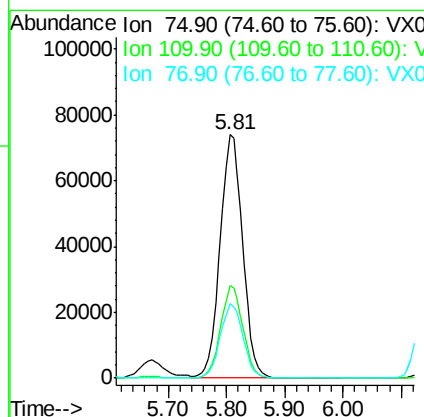
Manual Integrations
APPROVED

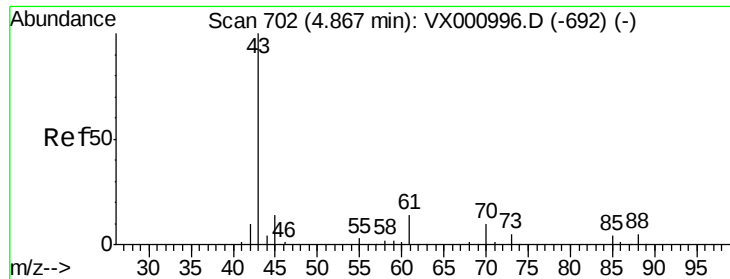
MMDadoda
4/20/2018 2:09:32 PM



#36
1,1-Dichloropropene
Concen: 48.90 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199474		
110	37.4	18.7	56.1	
77	30.8	25.0	37.4	





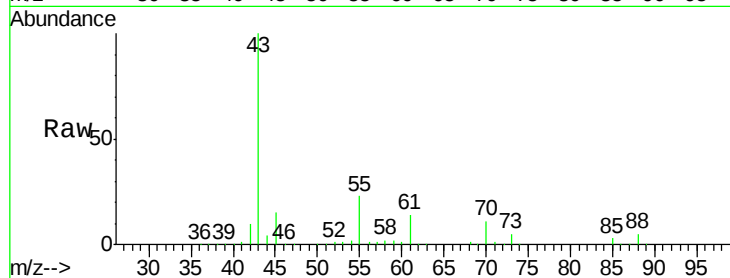
#37
Ethyl Acetate
Concen: 50.70 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

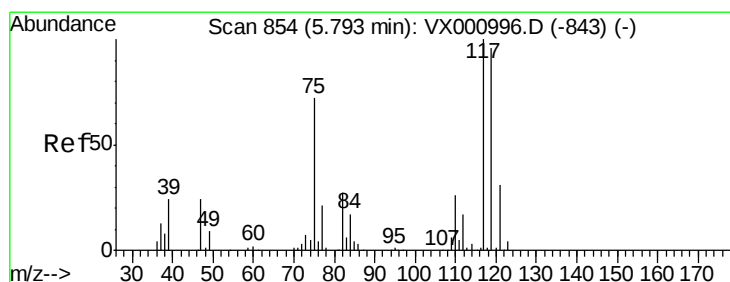
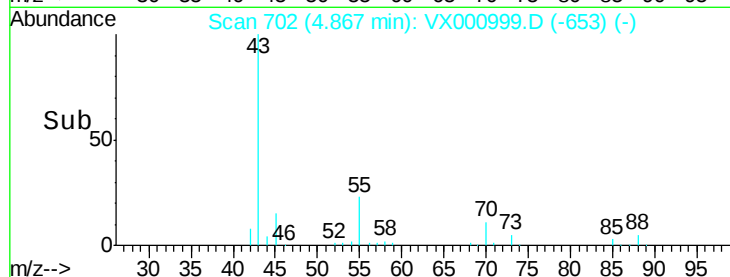
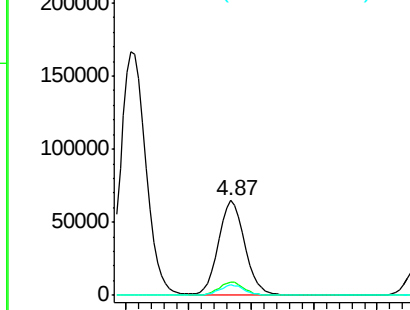
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM

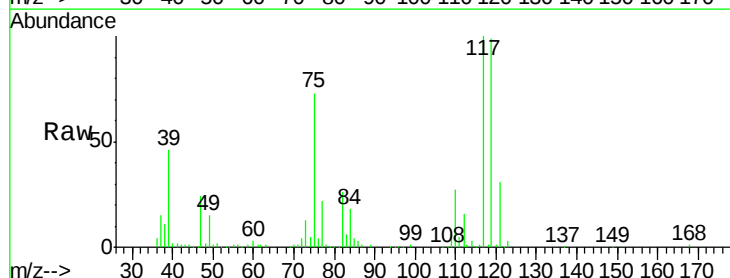


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

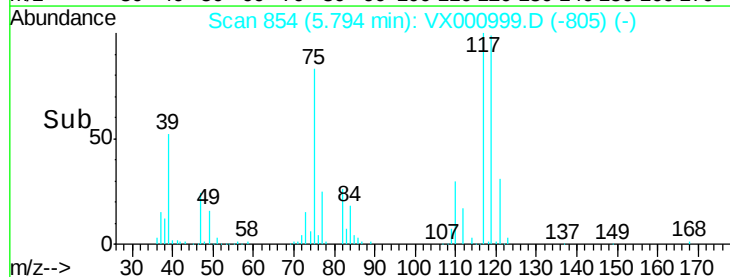
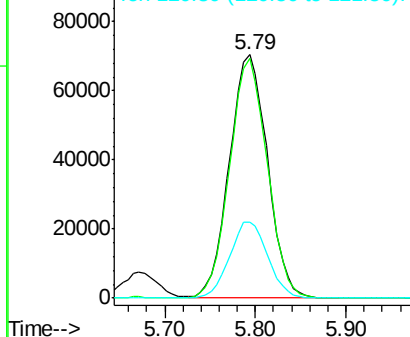


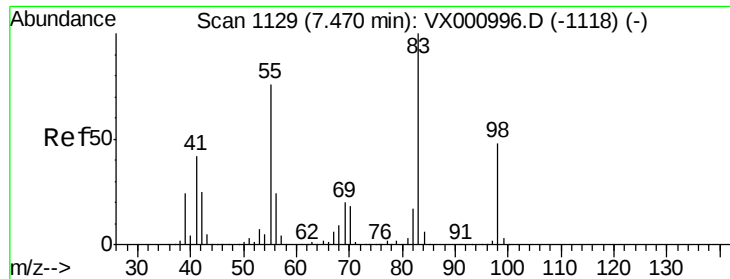
#38
Carbon Tetrachloride
Concen: 49.73 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.5	114.7
121	31.4	24.5	36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





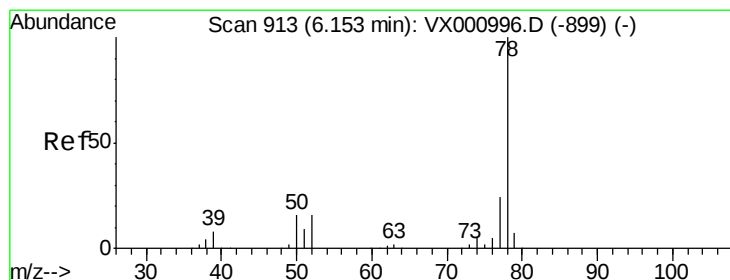
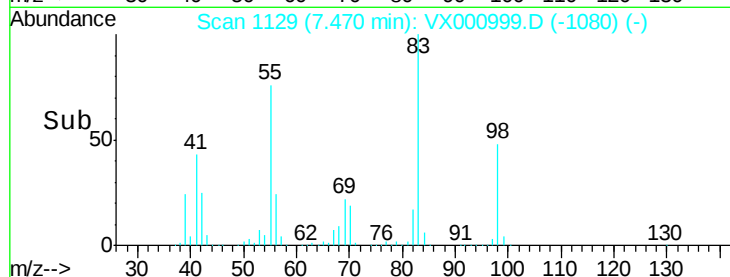
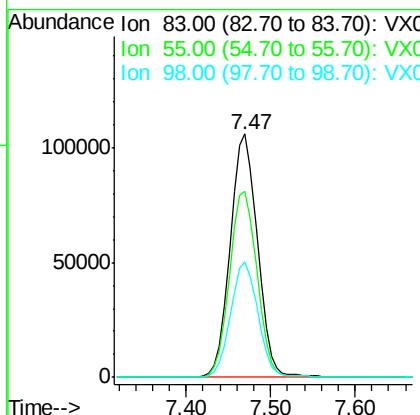
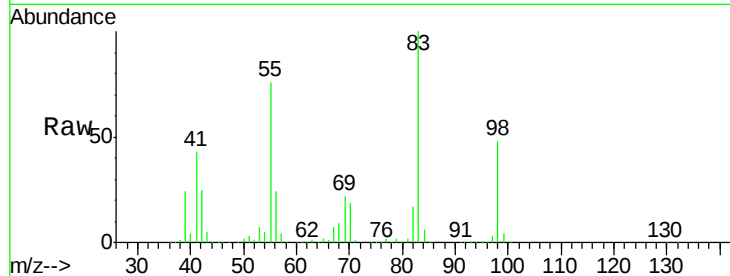
#39
Methvlcvclohexane
Concen: 49.13 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233240		
55	76.1		60.6	91.0
98	47.6		38.2	57.4

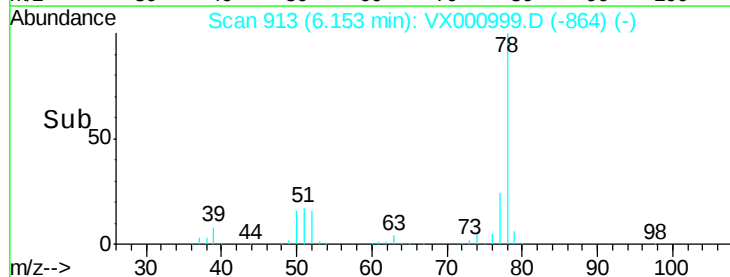
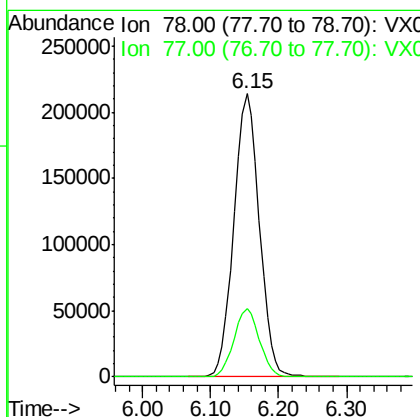
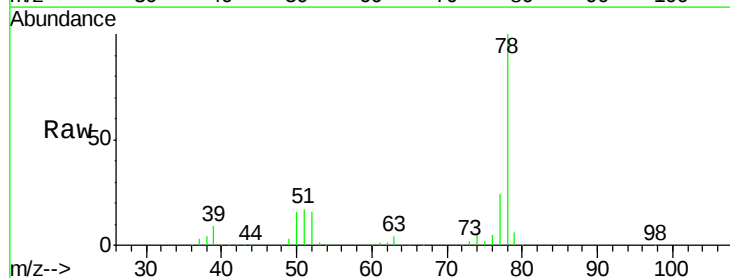
Manual Integrations
APPROVED

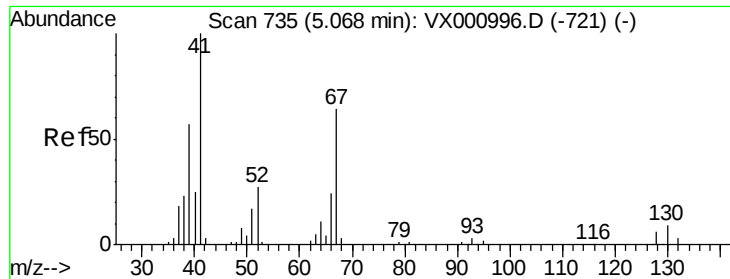
MMDadoda
4/20/2018 2:09:32 PM



#40
Benzene
Concen: 49.16 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	557462		
77	24.1		18.9	28.3





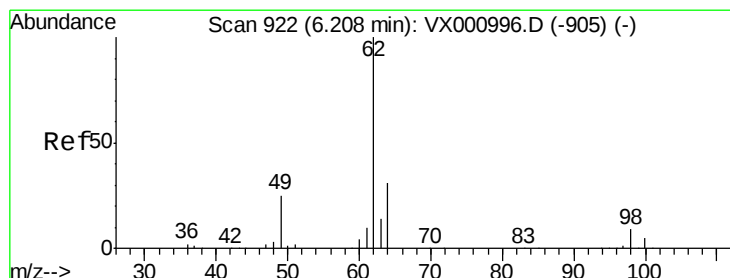
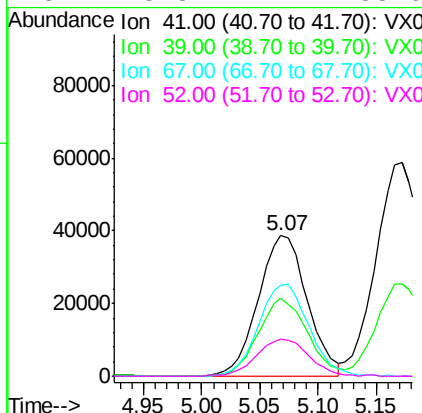
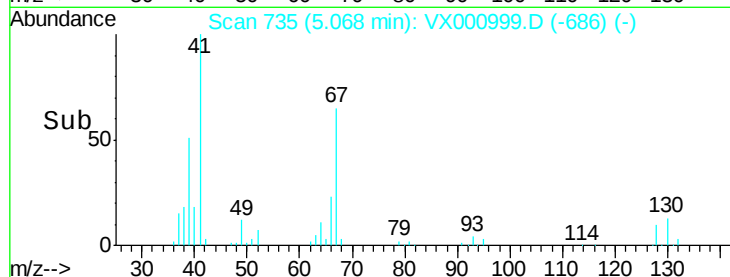
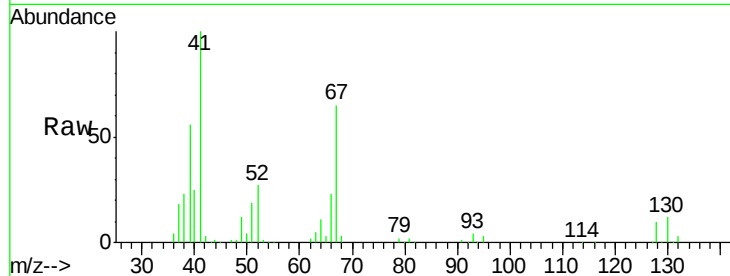
#41
Methacrylonitrile
Concen: 47.85 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.2	67.8	
67	67.9	53.8	80.8	
52	28.8	22.4	33.6	

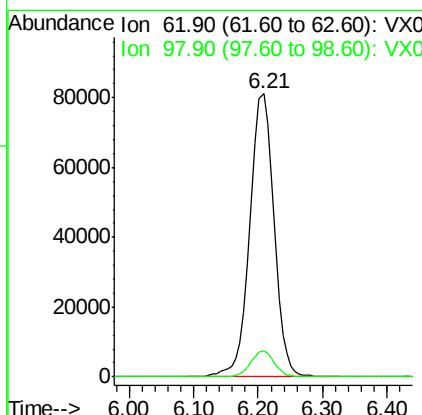
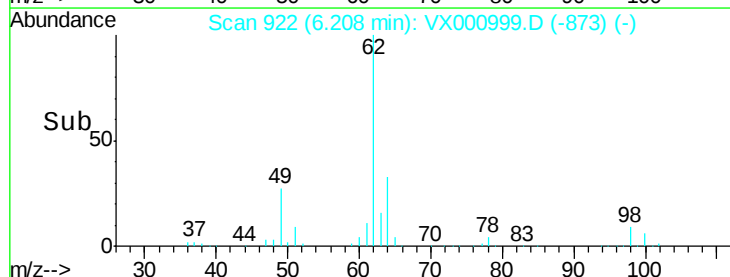
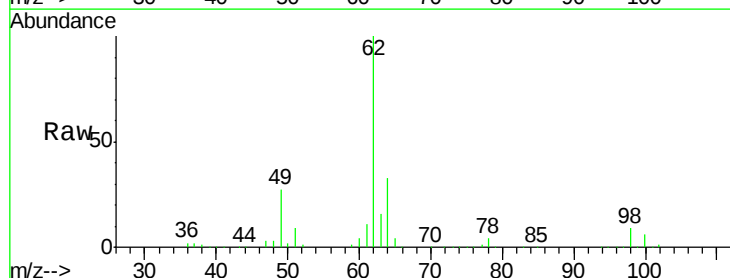
Manual Integrations
APPROVED

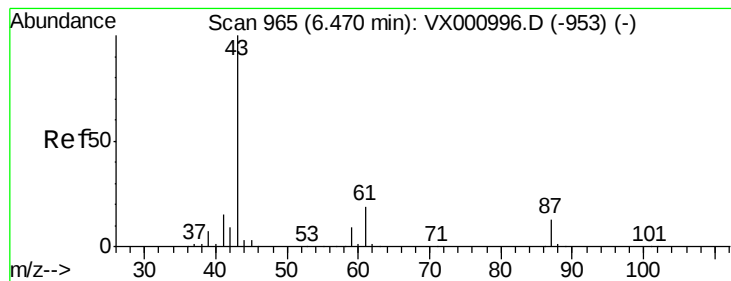
MMDadoda
4/20/2018 2:09:32 PM



#42
1,2-Dichloroethane
Concen: 48.08 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.6	





#43

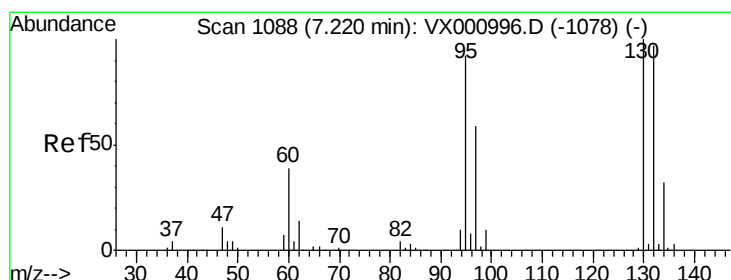
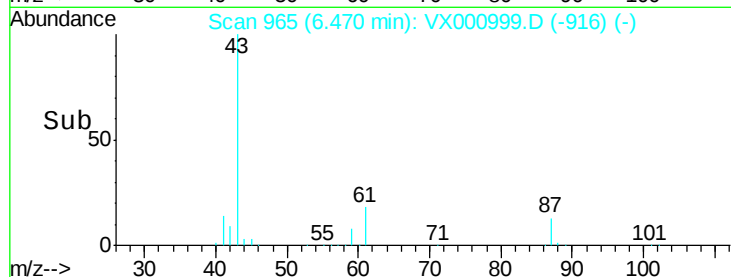
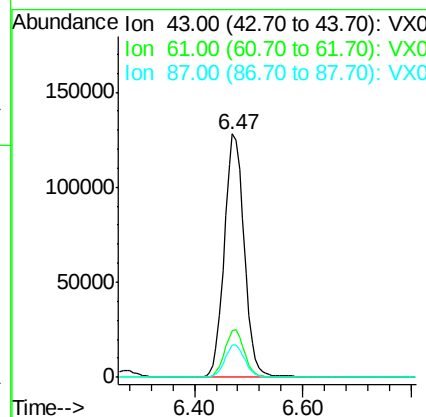
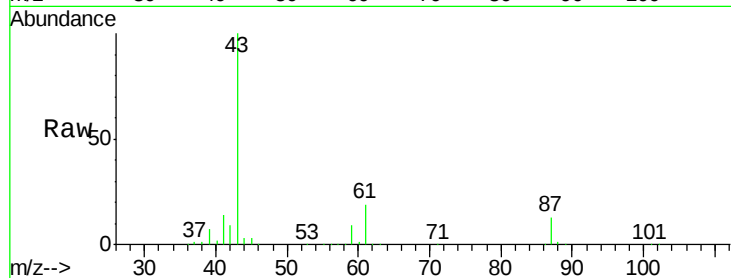
Isopropyl Acetate
 Concen: 50.68 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	13.3	10.6	15.8

Manual Integrations
 APPROVED

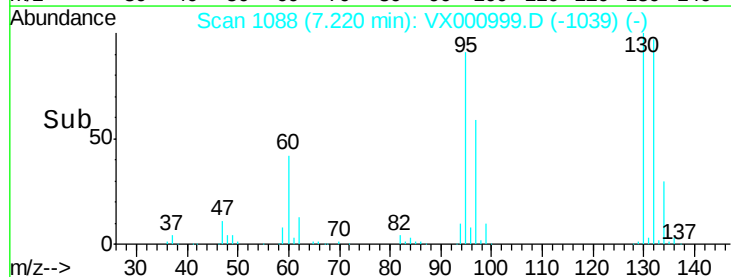
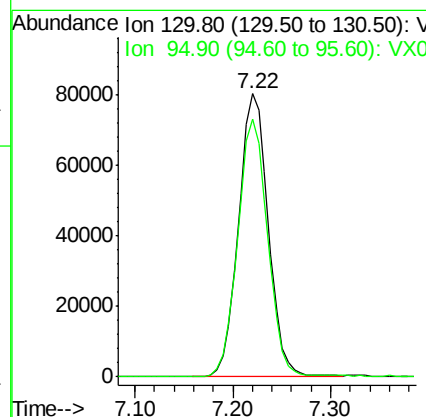
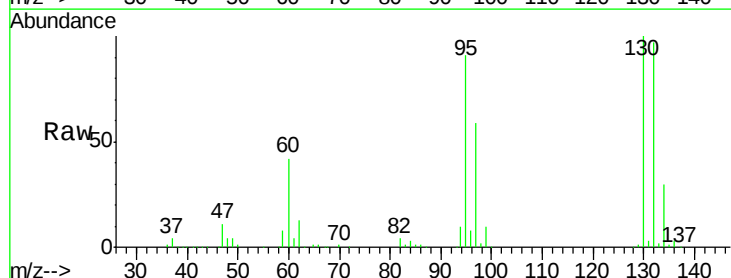
MMDadoda
 4/20/2018 2:09:32 PM

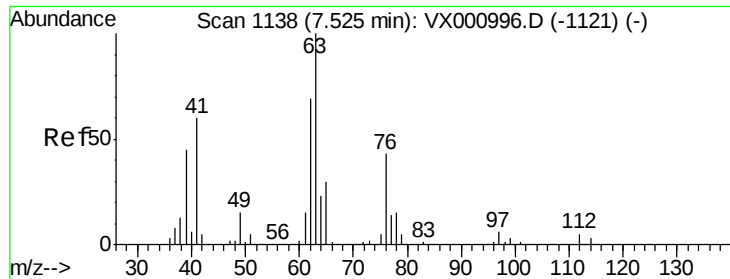


#44

Trichloroethene
 Concen: 48.97 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	184.2





#45

1,2-Dichloropropane

Concen: 50.63 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 63 Resp: 144359

Ion Ratio Lower Upper

63 100

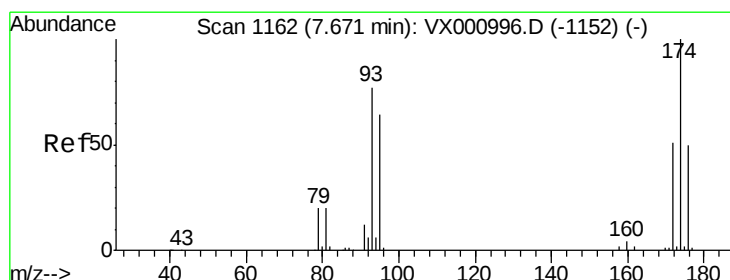
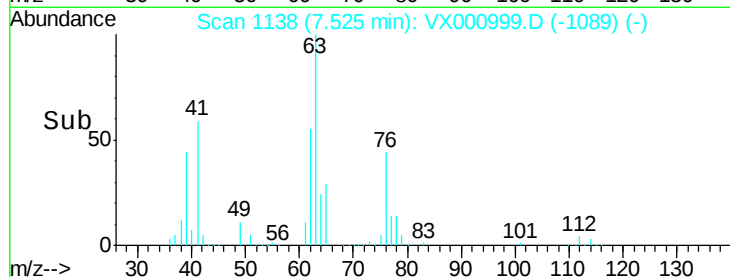
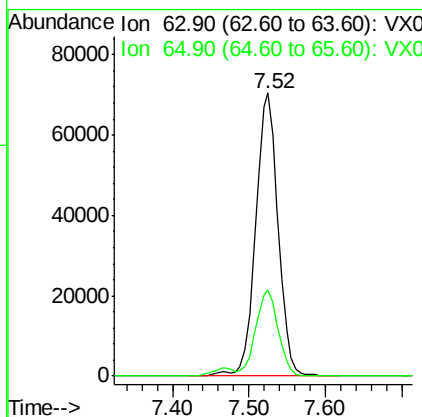
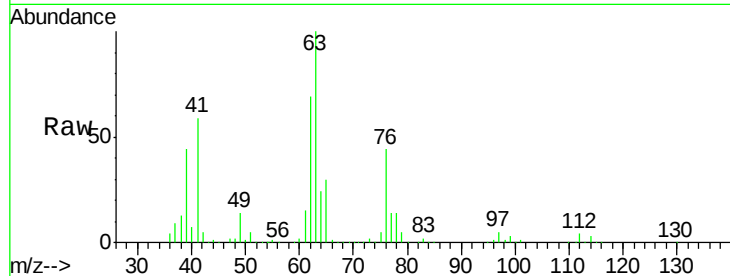
65 30.5 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



#46

Dibromomethane

Concen: 49.06 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

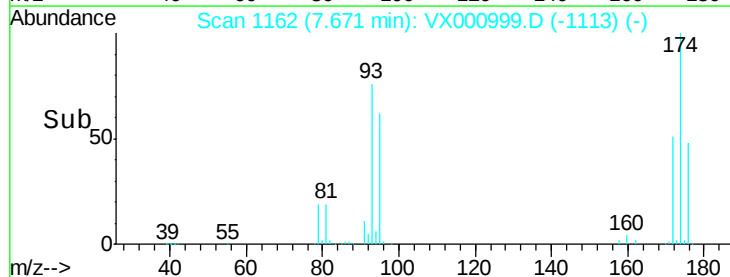
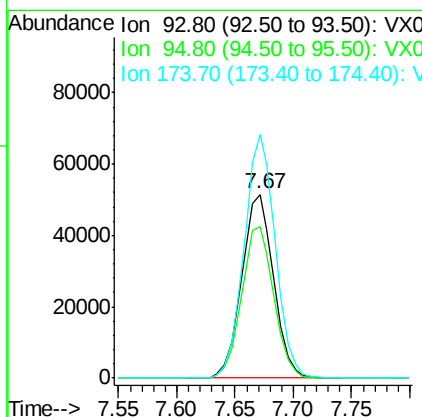
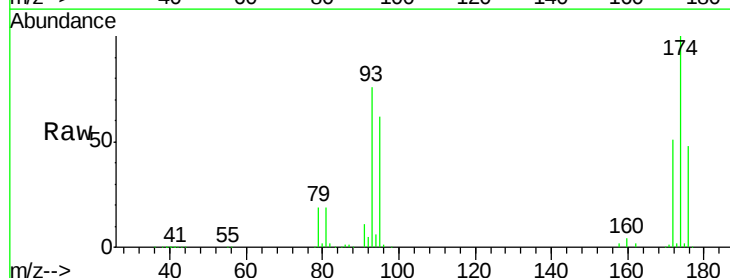
Tgt Ion: 93 Resp: 97739

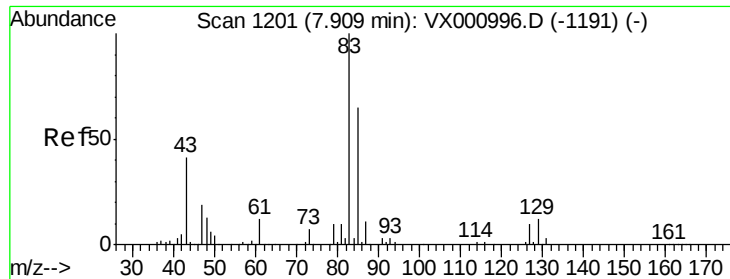
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 130.1 101.8 152.6





#47

Bromodichloromethane

Concen: 51.44 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

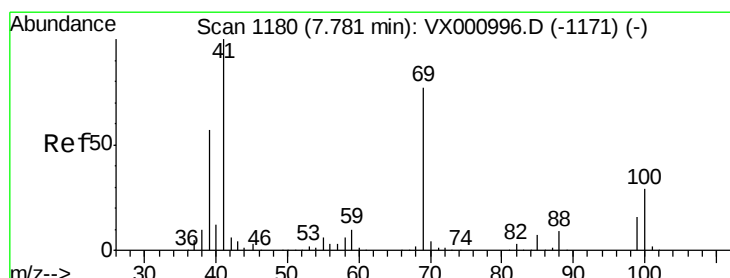
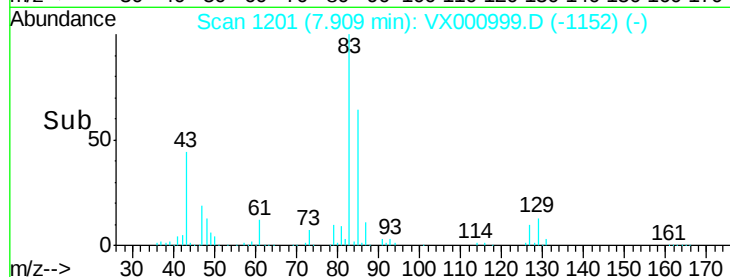
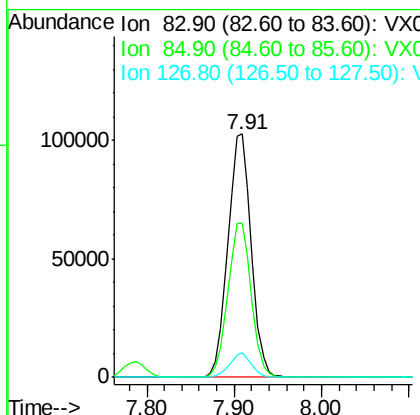
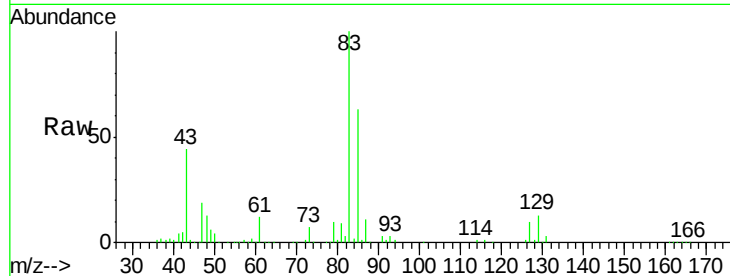
ClientSampleId :

ICVVX041918

Tot Ion:	83	Resp:	189859
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5
127	10.1	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#48

Methyl methacrylate

Concen: 49.94 ug/l

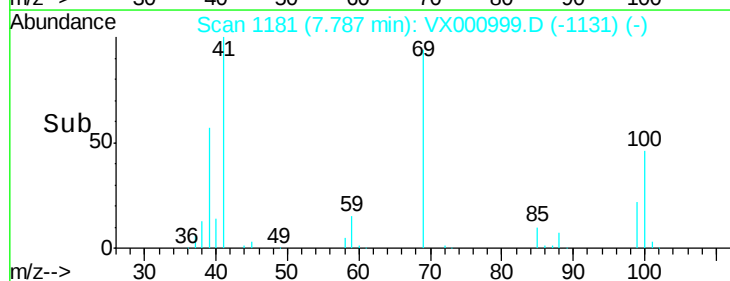
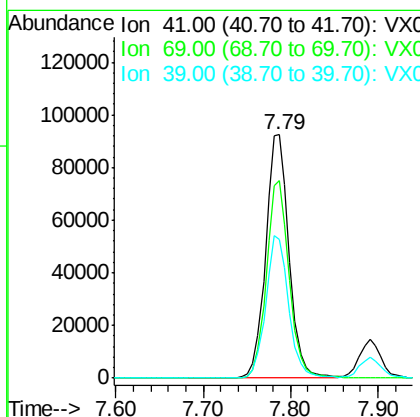
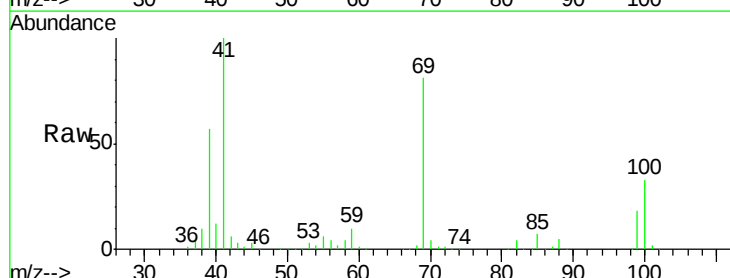
RT: 7.79 min Scan# 1181

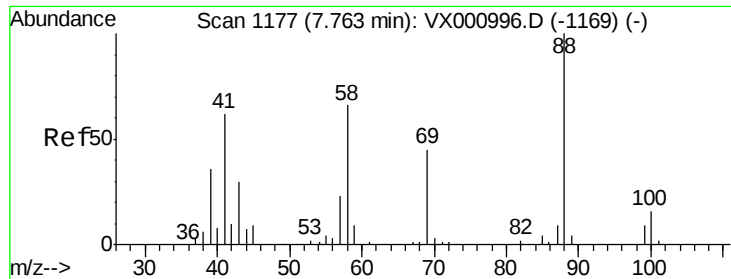
Delta R.T. 0.01 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	41	Resp:	172608
Ion	Ratio	Lower	Upper
41	100		
69	79.8	62.6	94.0
39	57.1	45.3	67.9





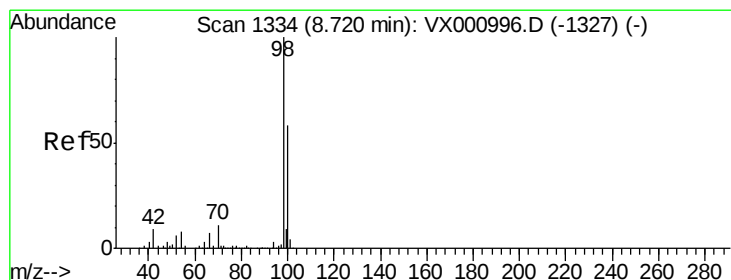
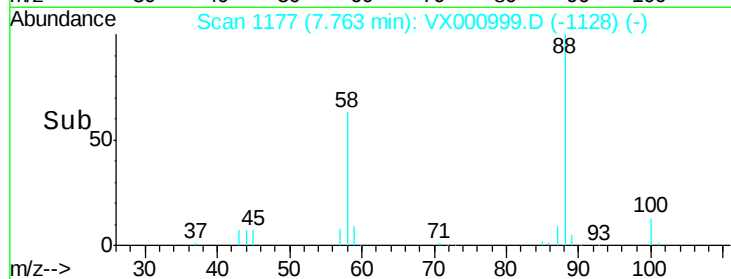
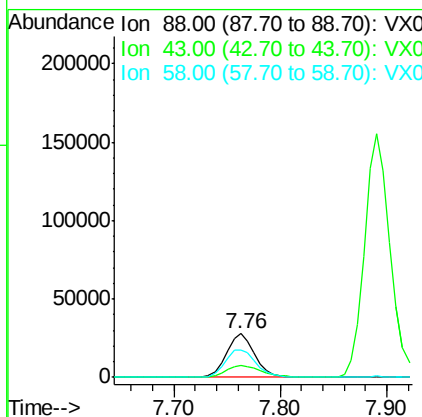
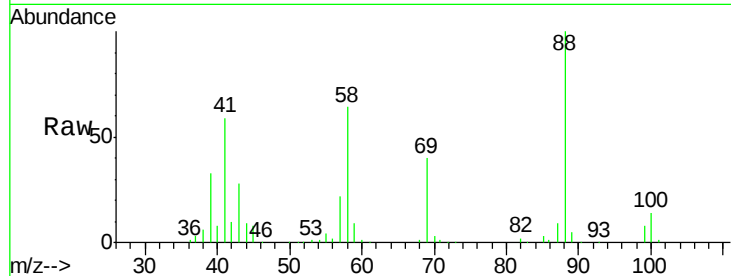
#49
1,4-Dioxane
Concen: 1015.34 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ratio	Resp	Lower	Upper
88	100	51608		
43	34.9	29.2	43.8	
58	69.5	55.0	82.6	

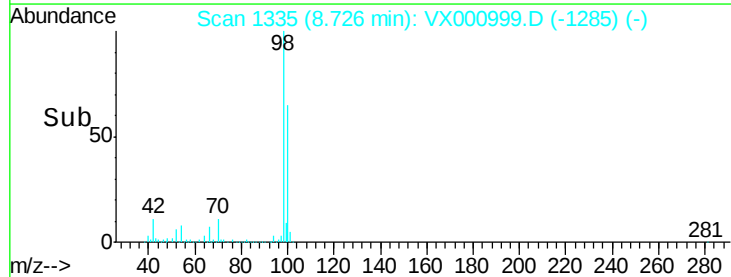
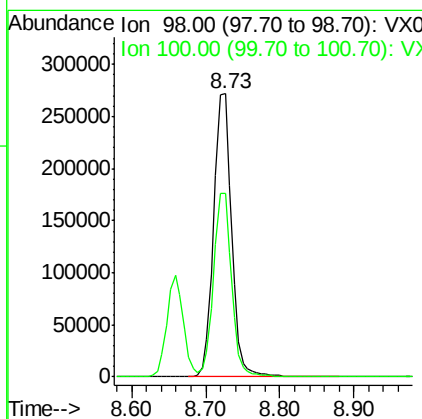
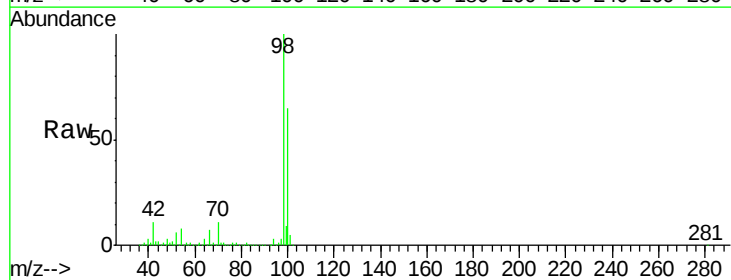
Manual Integrations
APPROVED

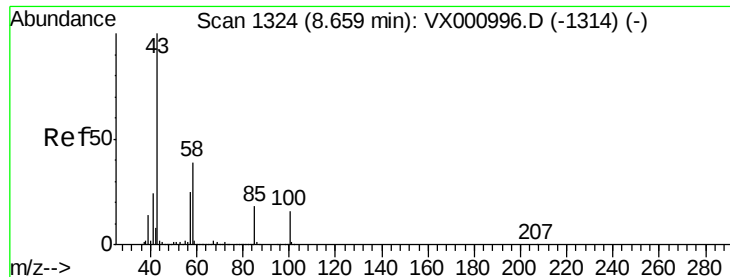
MMDadoda
4/20/2018 2:09:32 PM



#50
Toluene-d8
Concen: 46.03 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	450452		
100	65.1	51.9	77.9	





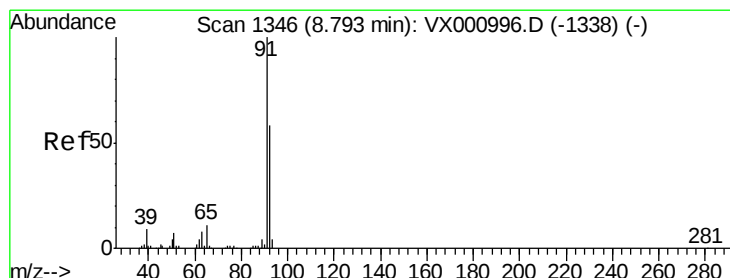
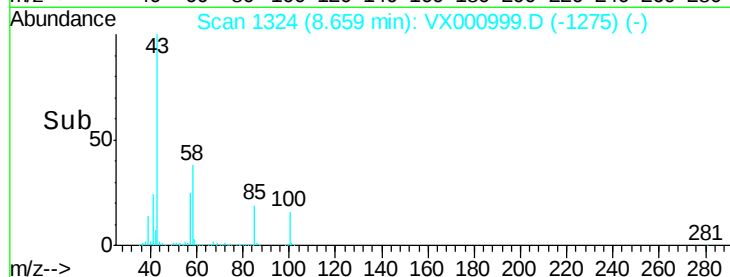
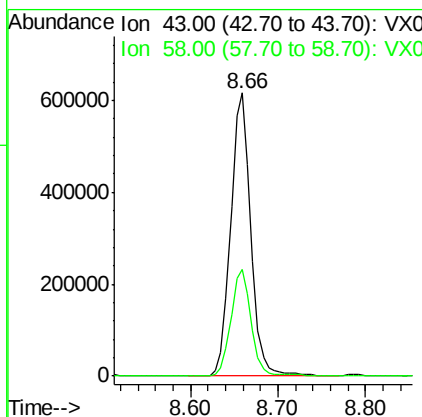
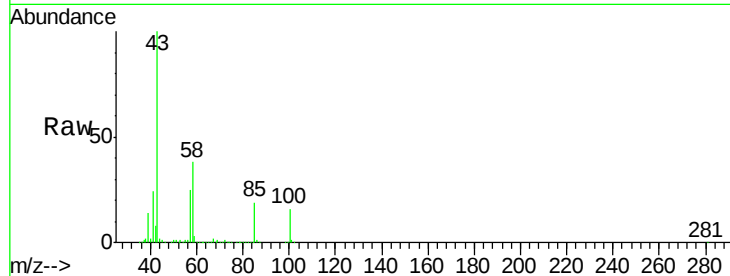
#51
4-Methyl-2-Pentanone
Concen: 254.51 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.2	45.4

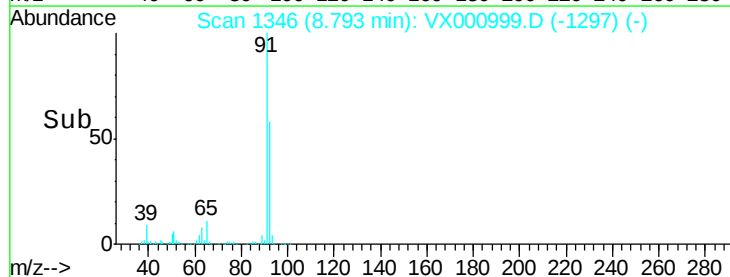
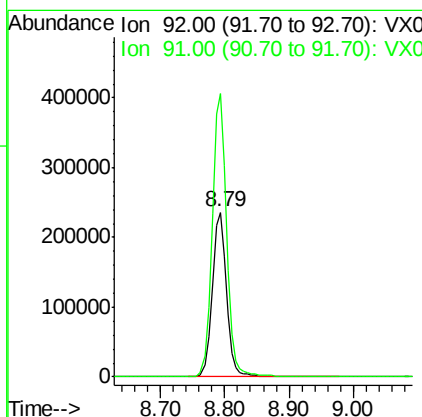
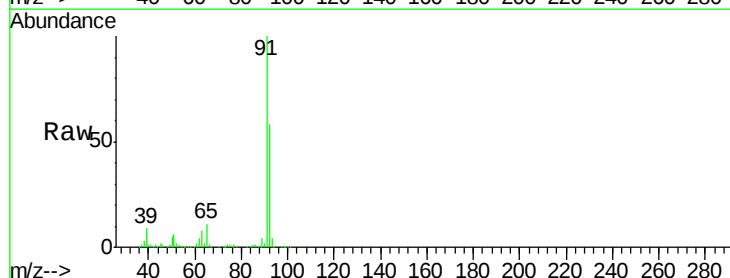
Manual Integrations
APPROVED

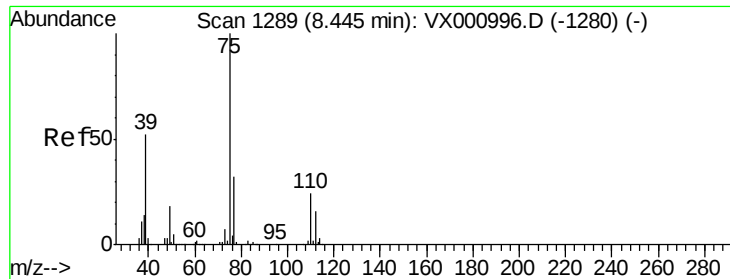
MMDadoda
4/20/2018 2:09:32 PM



#52
Toluene
Concen: 49.86 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.9	138.2	207.4





#53

t-1,3-Dichloropropene

Concen: 52.44 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 75 Resp: 231490

Ion Ratio Lower Upper

75 100

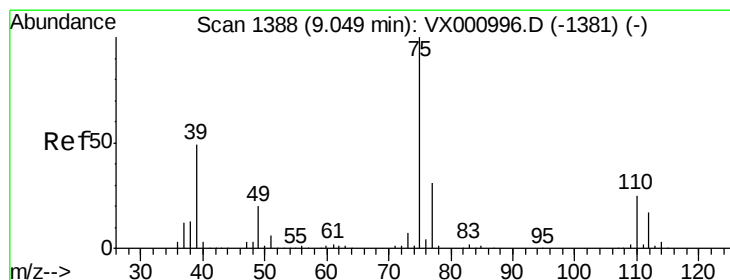
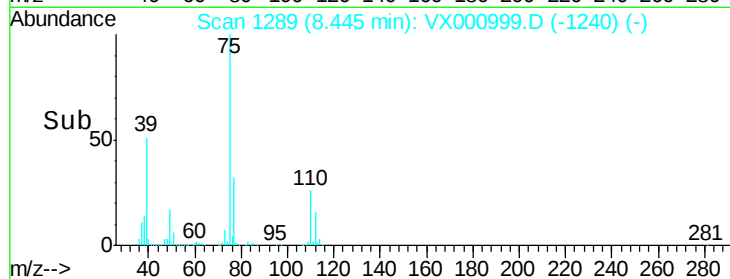
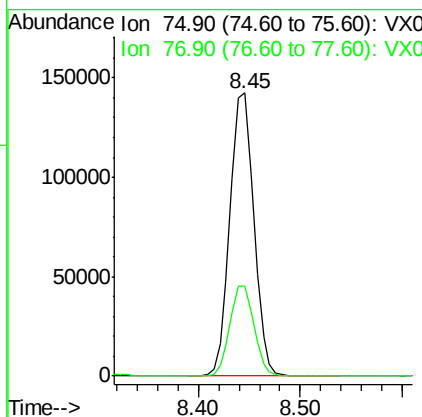
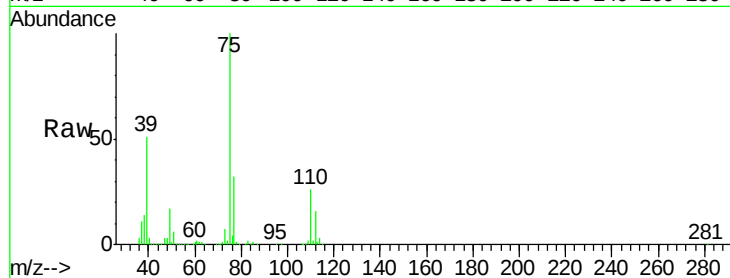
77 31.9 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



#54

cis-1,3-Dichloropropene

Concen: 53.77 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

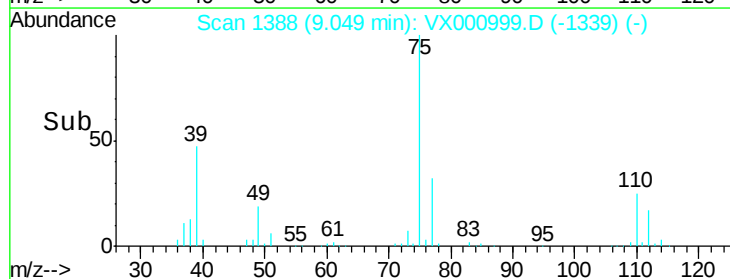
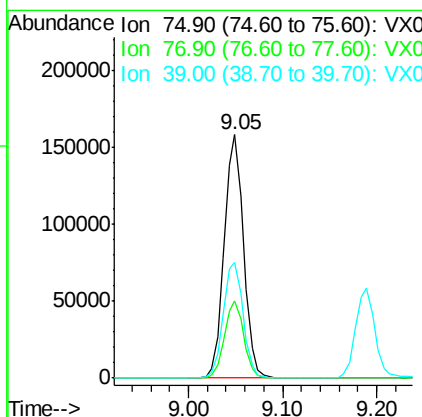
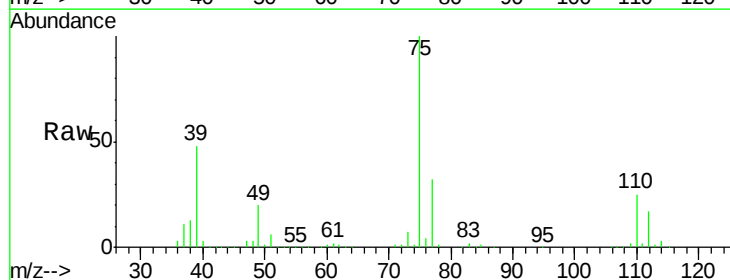
Tgt Ion: 75 Resp: 223818

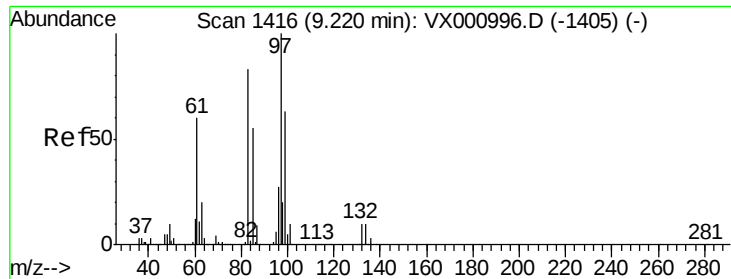
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

39 47.6 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 49.77 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

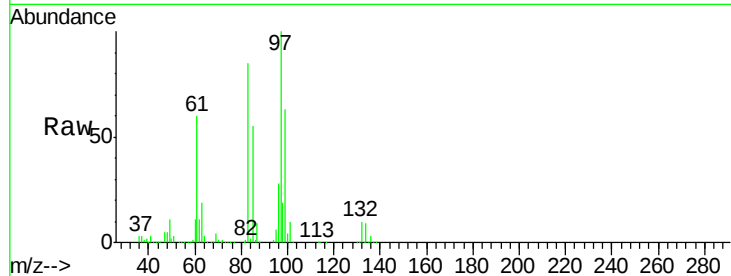
ClientSampleId :

ICVVX041918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146427		
83	85.0	66.2	99.4		
85	55.4	44.2	66.4		
99	62.8	50.2	75.4		

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM

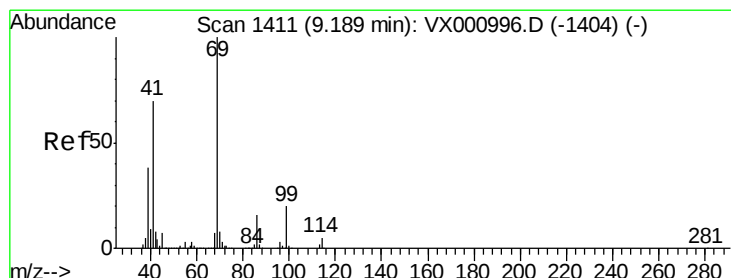
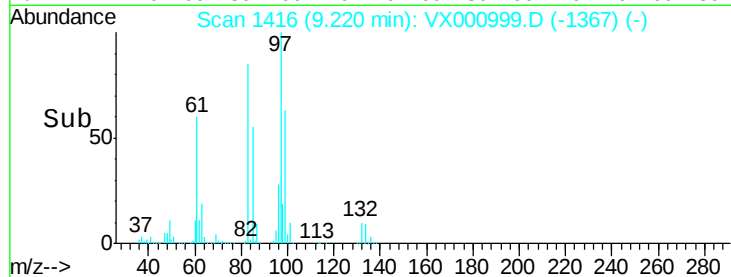
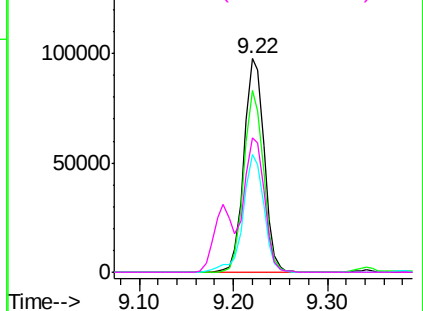


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.68 ug/l

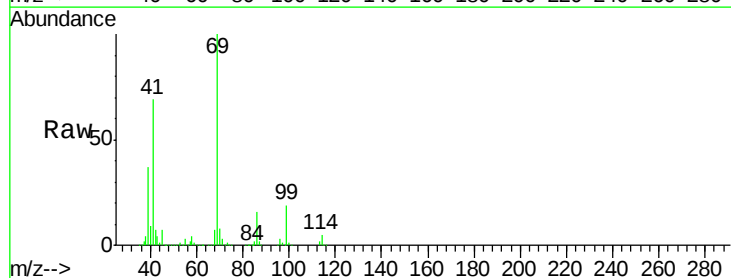
RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

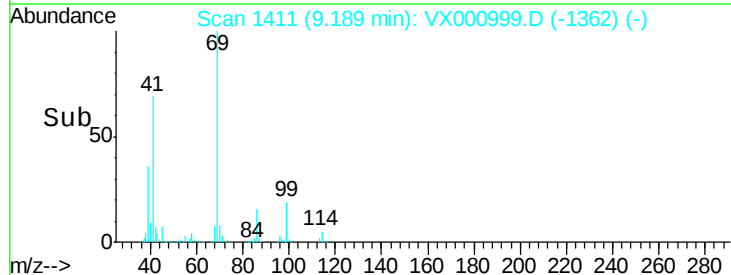
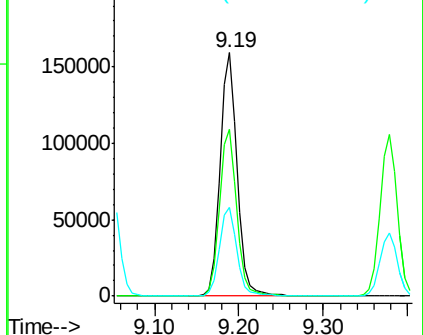
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223300		
41	69.6	56.3	84.5		
39	37.3	30.4	45.6		

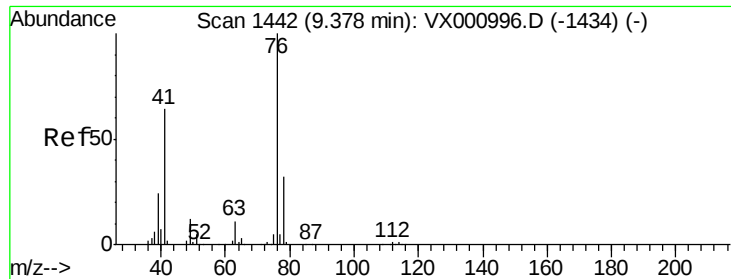


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





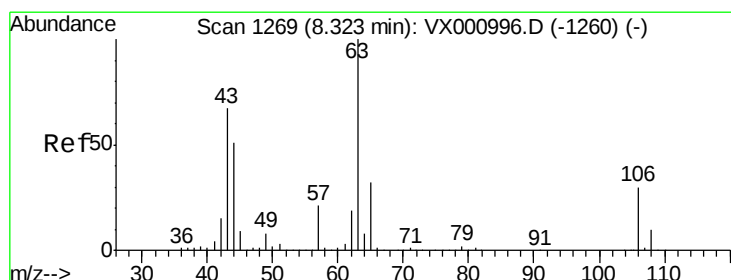
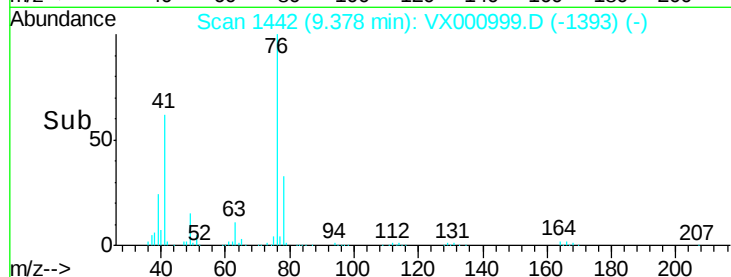
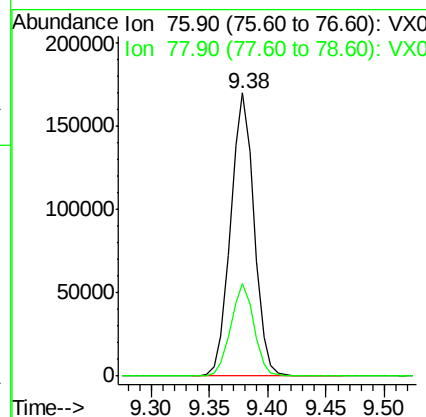
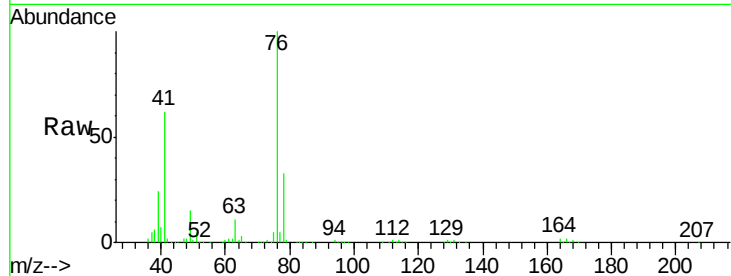
#57
 1,3-Dichloropropane
 Concen: 48.72 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion: 76 Resp: 237433
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

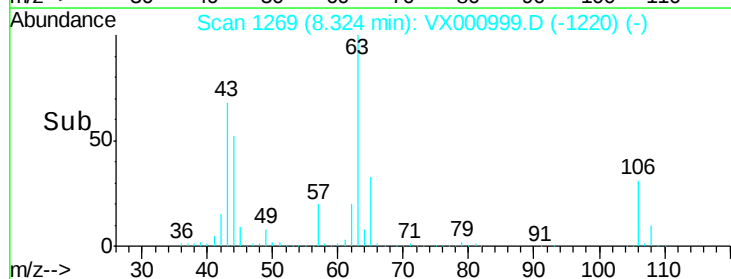
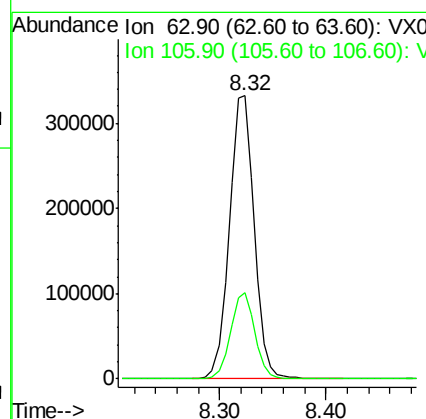
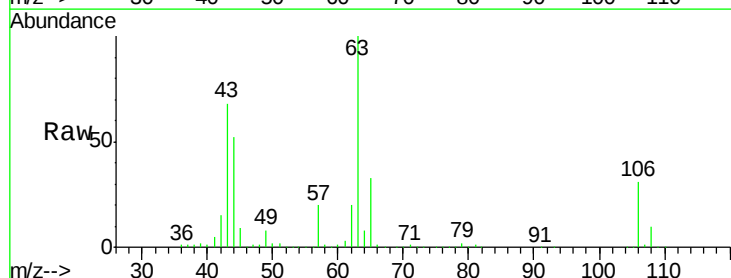
Manual Integrations
 APPROVED

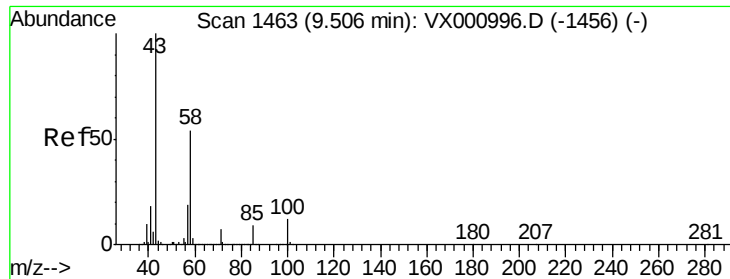
MMDadoda
 4/20/2018 2:09:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.78 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion: 63 Resp: 539407
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.8 35.6





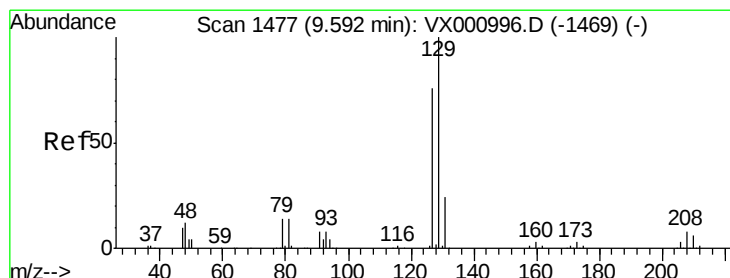
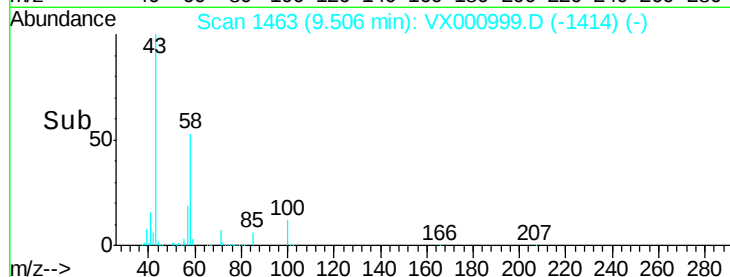
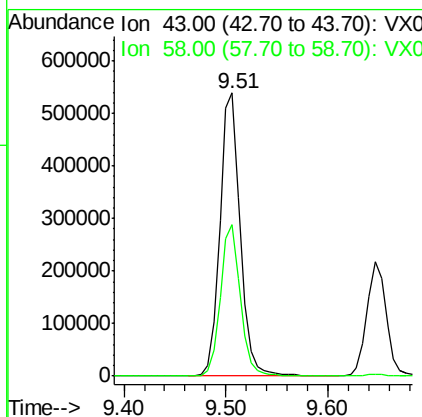
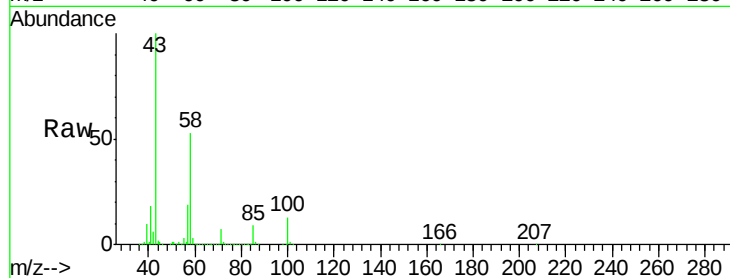
#59
2-Hexanone
Concen: 251.34 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion: 43 Resp: 749830
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9

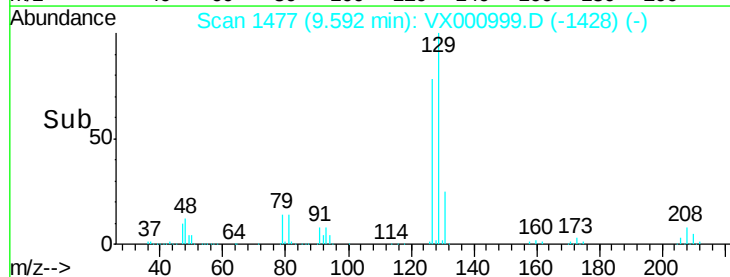
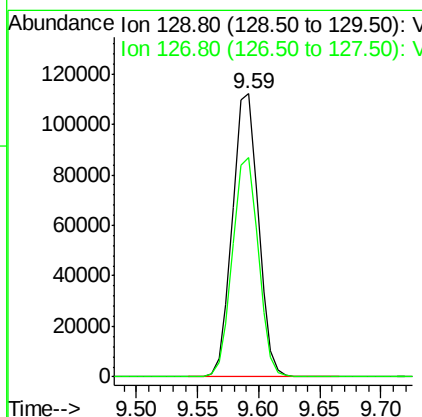
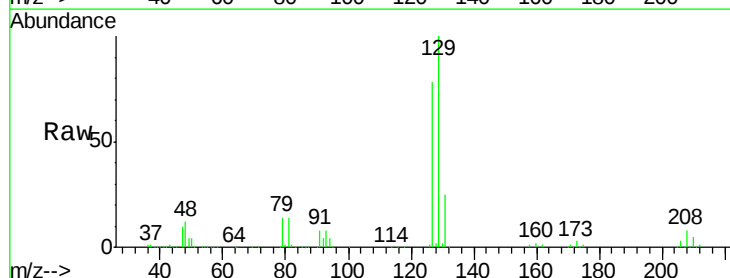
Manual Integrations
APPROVED

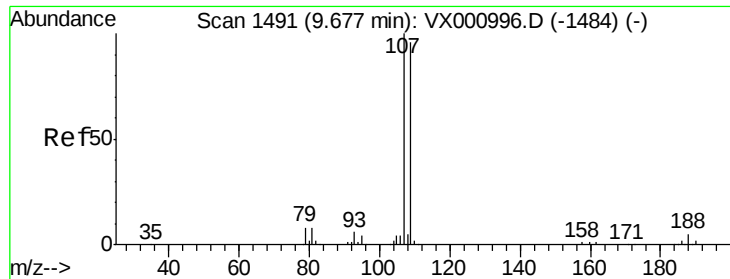
MMDadoda
4/20/2018 2:09:32 PM



#60
Dibromochloromethane
Concen: 53.25 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 129 Resp: 164522
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.52 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion:107 Resp: 156863

Ion Ratio Lower Upper

107 100

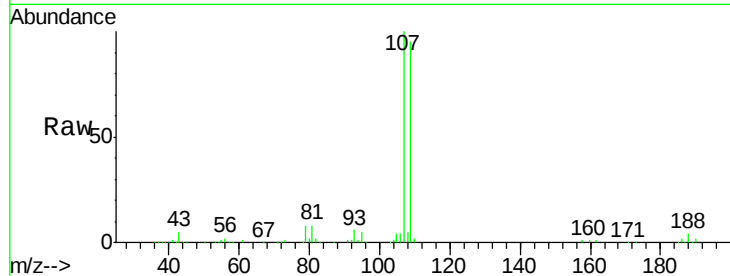
109 95.0 76.0 114.0

Manual Integrations

APPROVED

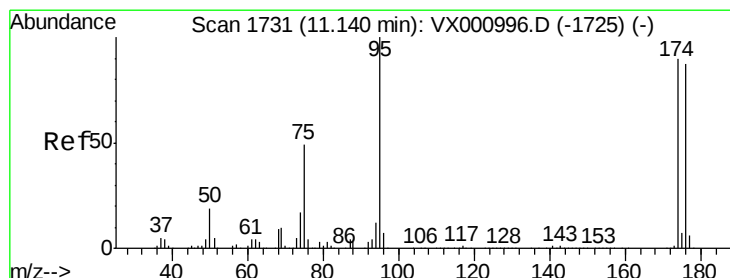
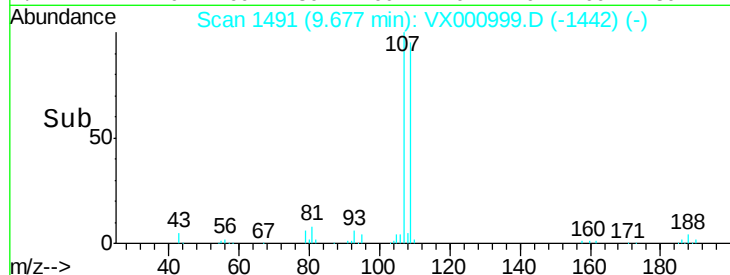
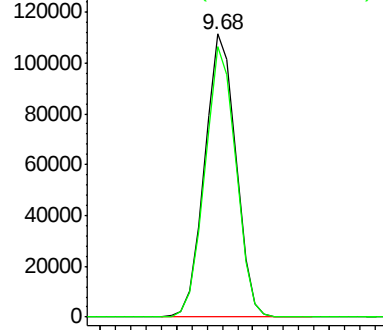
MMDadoda

4/20/2018 2:09:32 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

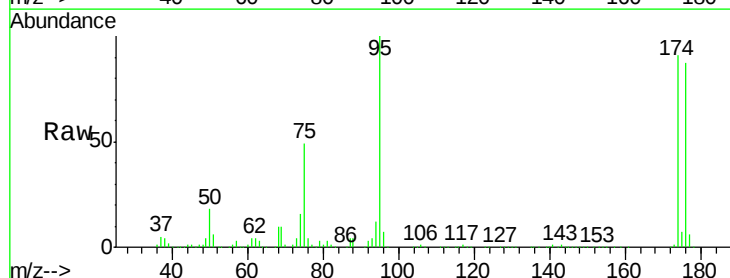
Tgt Ion: 95 Resp: 185647

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

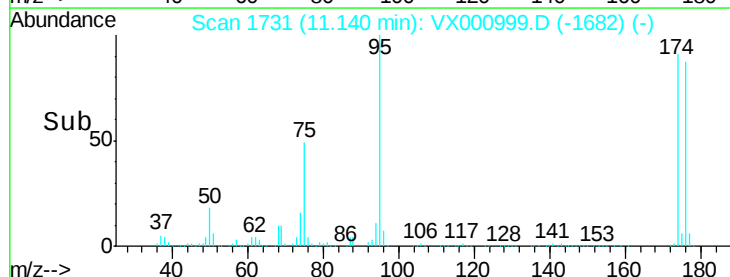
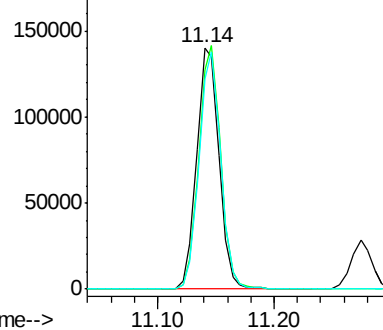
176 95.6 0.0 192.0

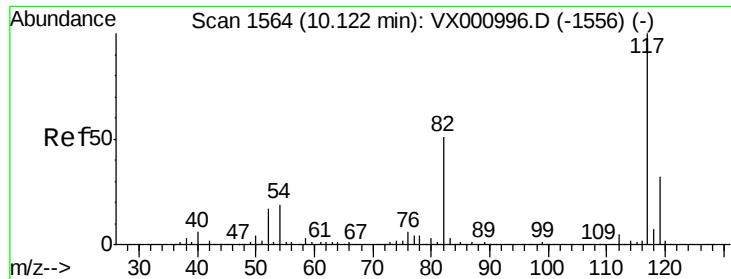


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





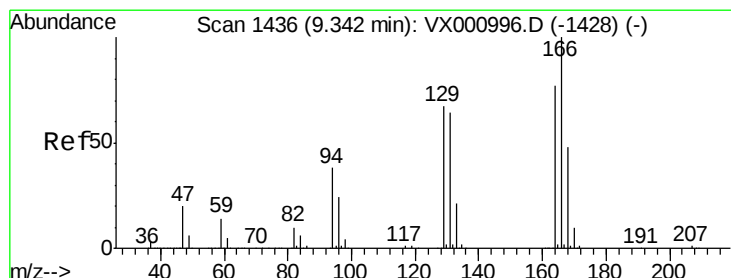
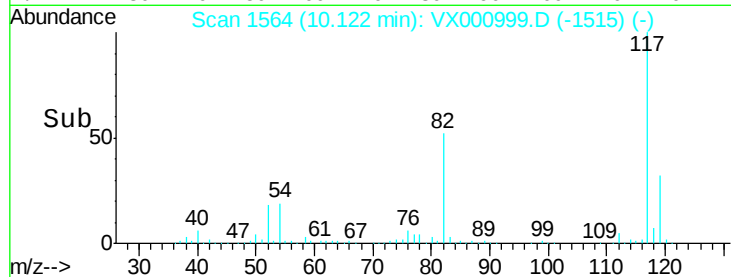
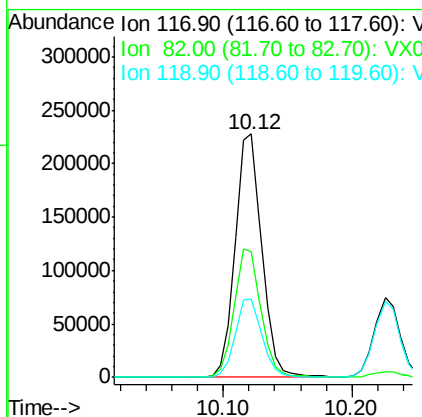
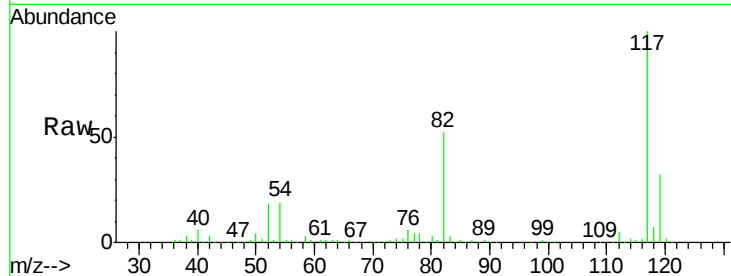
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	40.6	60.8
119	32.4	26.0	39.0

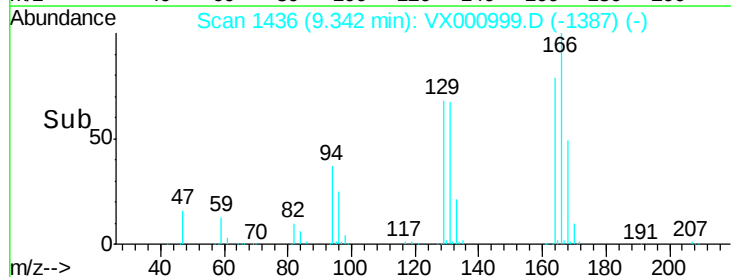
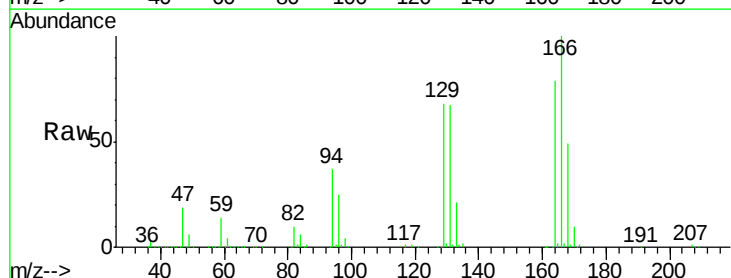
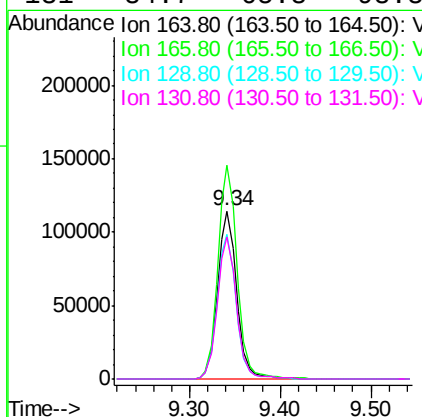
Manual Integrations
APPROVED

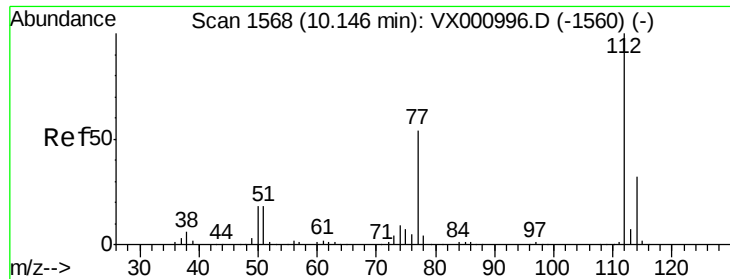
MMDadoda
4/20/2018 2:09:32 PM



#64
Tetrachloroethene
Concen: 48.51 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.5	155.3
129	86.5	69.6	104.4
131	84.7	65.8	98.8





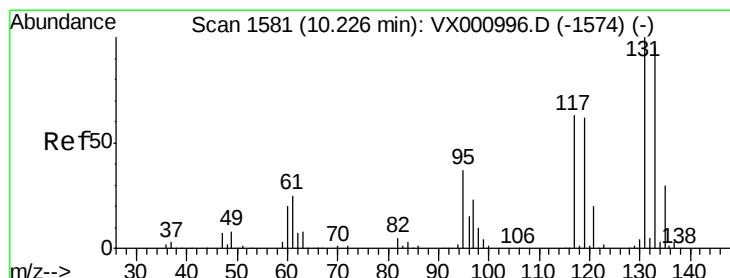
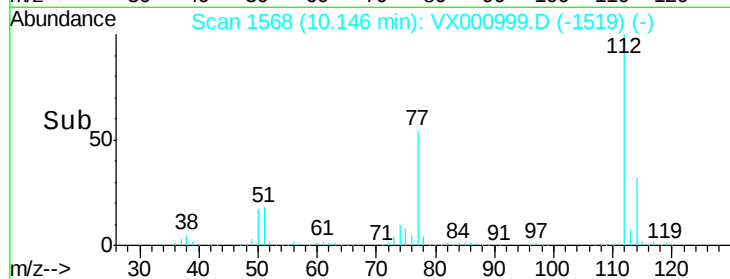
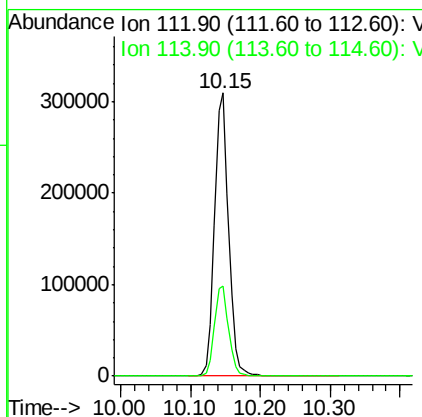
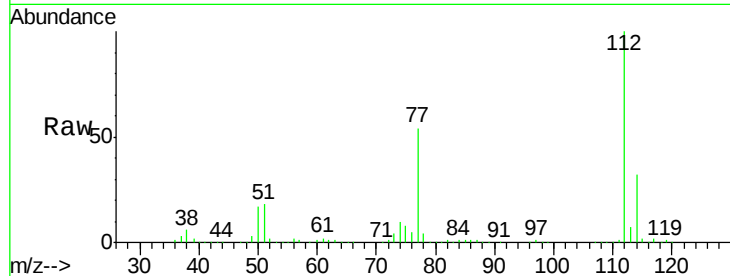
#65
Chlorobenzene
Concen: 49.54 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion:112 Resp: 432184
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

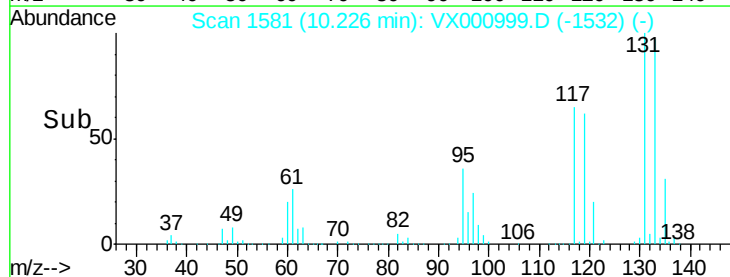
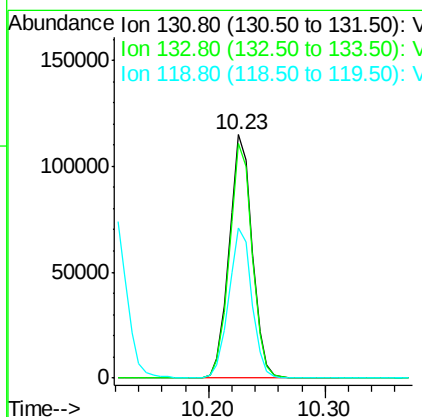
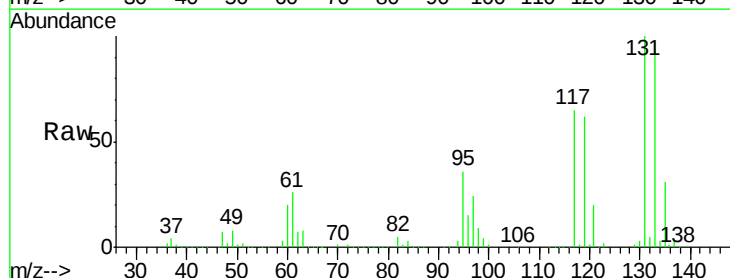
Manual Integrations
APPROVED

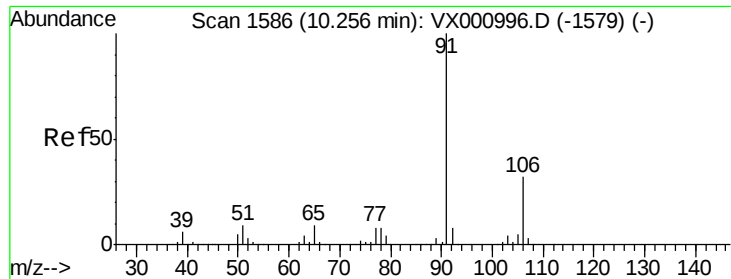
MMDadoda
4/20/2018 2:09:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.66 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion:131 Resp: 157678
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.8
119 61.9 31.1 93.2





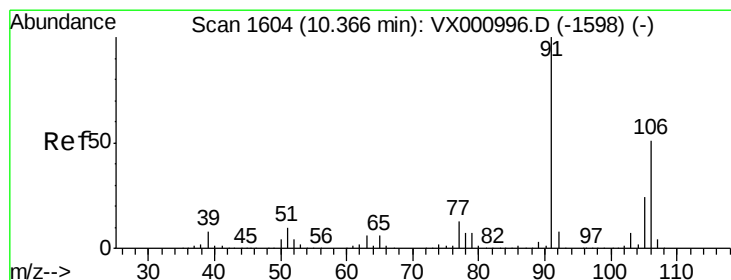
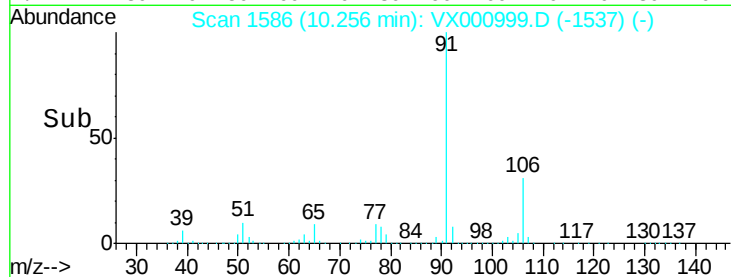
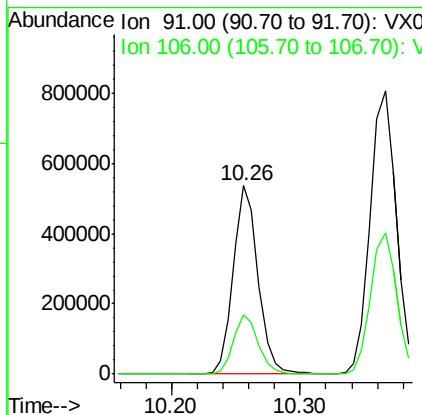
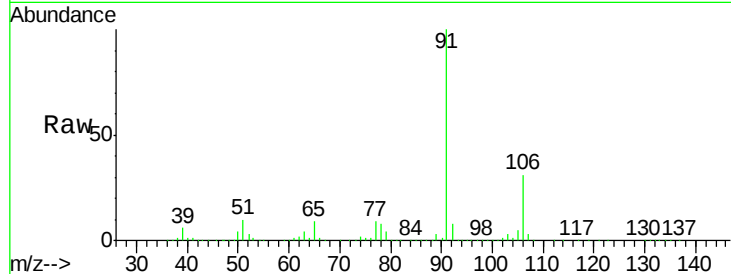
#67
Ethyl Benzene
Concen: 50.05 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion: 91 Resp: 725008
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

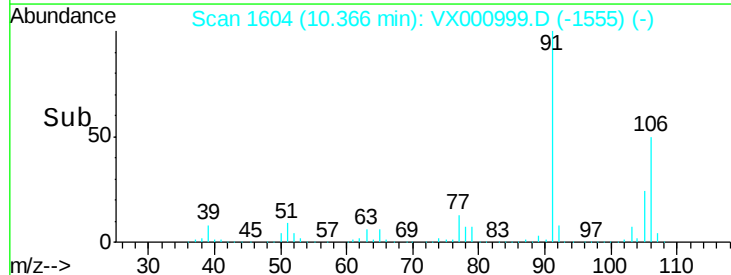
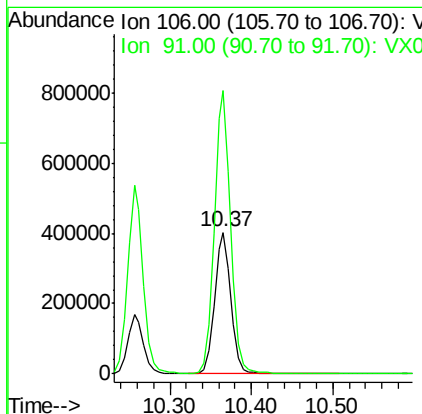
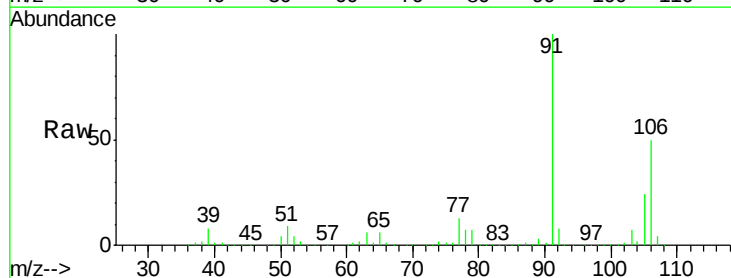
Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#68
m/p-Xylenes
Concen: 99.88 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 106 Resp: 570227
Ion Ratio Lower Upper
106 100
91 199.7 159.3 238.9





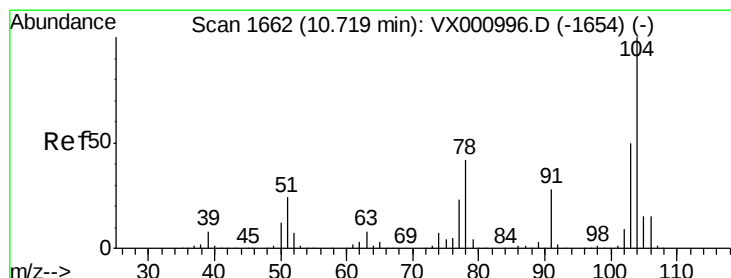
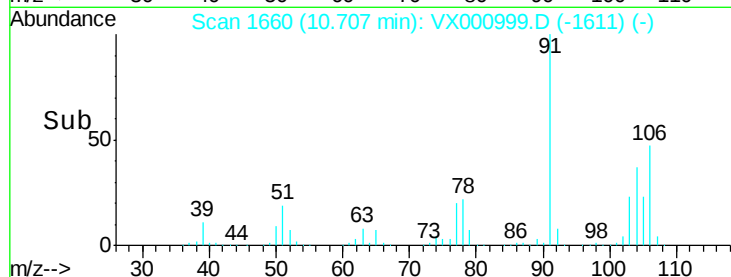
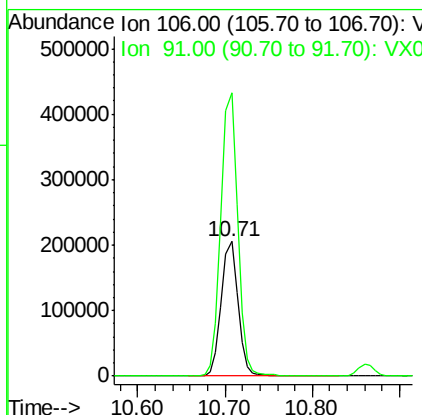
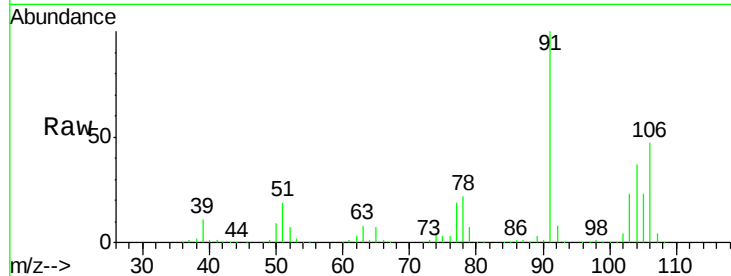
#69
o-Xylene
Concen: 49.60 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041918

Tot Ion	106	Resp	273001
Ion Ratio	Lower	Upper	
106	100		
91	212.5	105.1	315.1

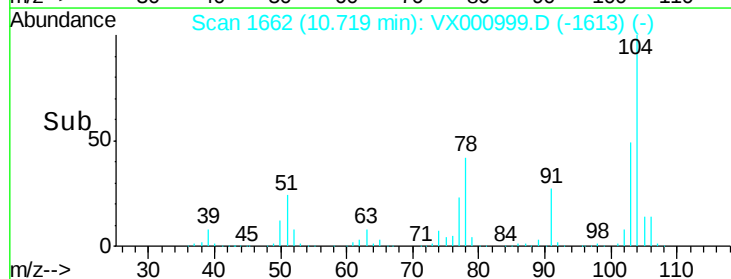
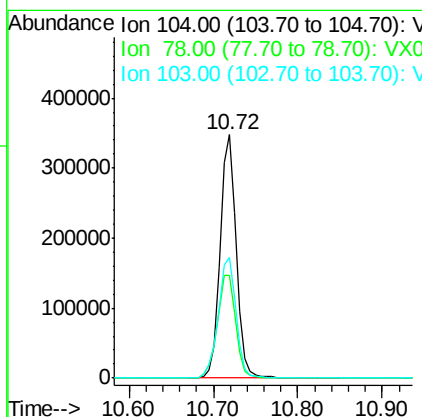
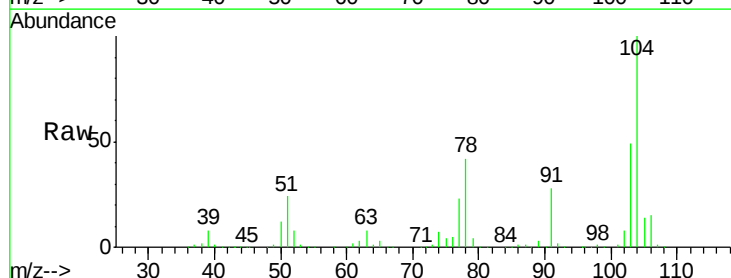
Manual Integrations
APPROVED

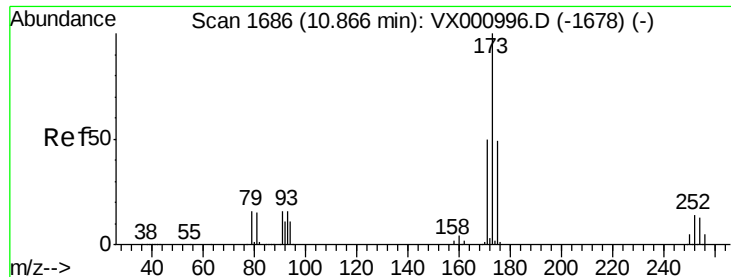
MMDadoda
4/20/2018 2:09:32 PM



#70
Styrene
Concen: 50.99 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000999.D
Acq: 19 Apr 2018 19:45

Tgt Ion	104	Resp	462237
Ion Ratio	Lower	Upper	
104	100		
78	48.7	39.4	59.2
103	54.9	44.2	66.2





#71

Bromoform

Concen: 49.27 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion:173 Resp: 137218

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

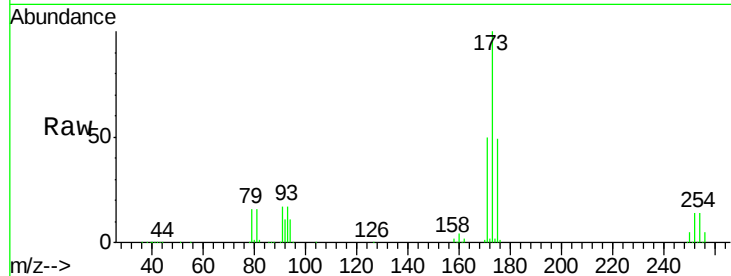
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

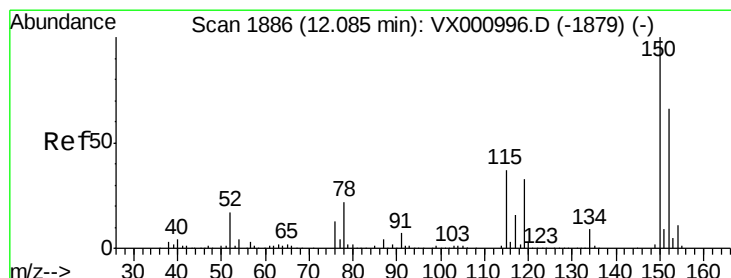
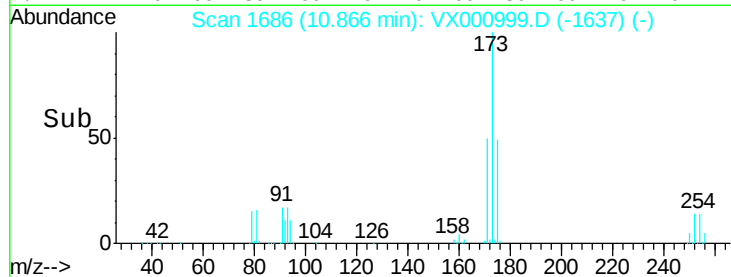
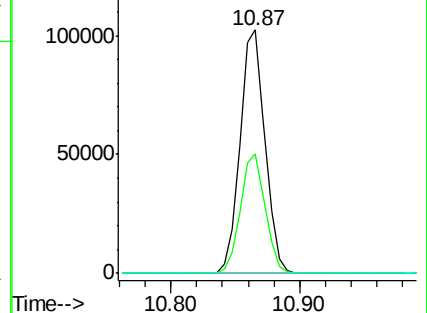
4/20/2018 2:09:32 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

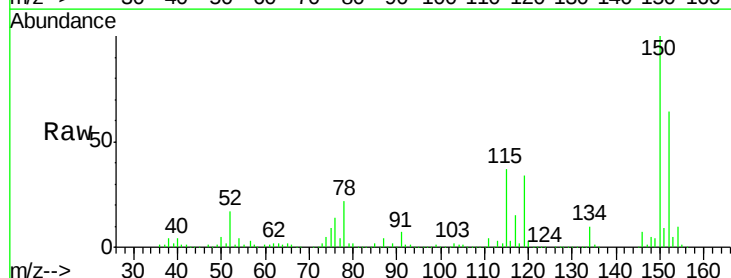
Tgt Ion:152 Resp: 228065

Ion Ratio Lower Upper

152 100

115 76.5 38.2 114.6

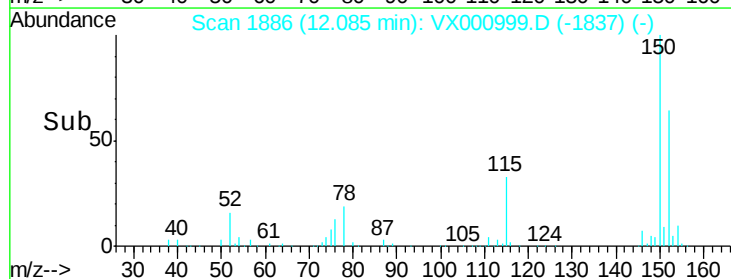
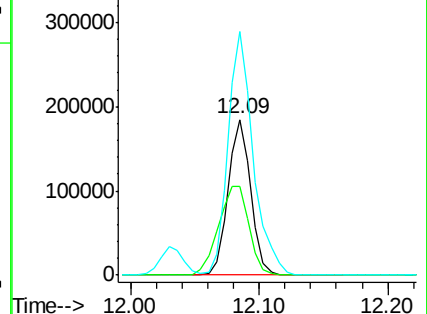
150 174.0 0.0 350.4

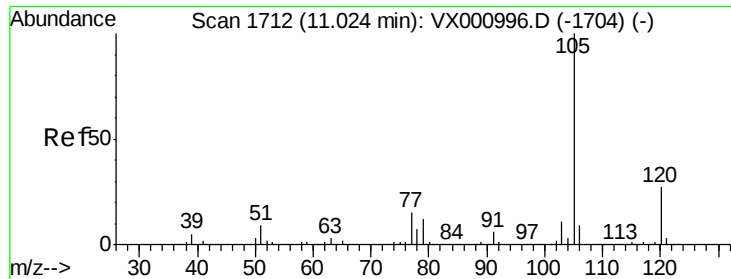


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.03 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion:105 Resp: 746009

Ion Ratio Lower Upper

105 100

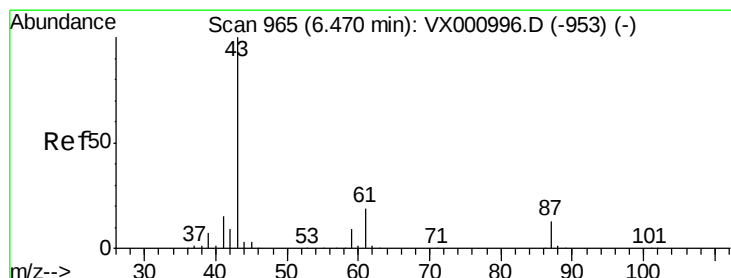
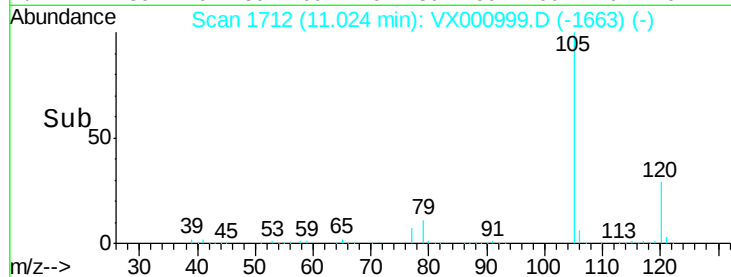
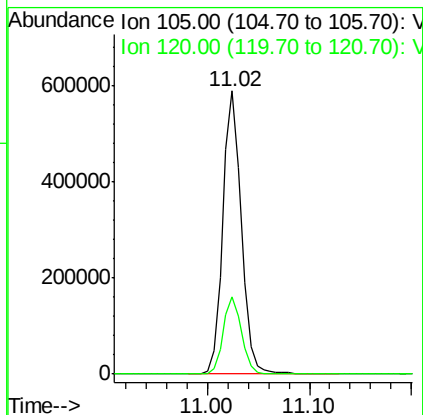
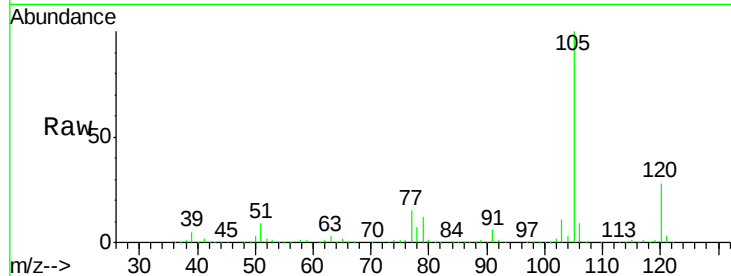
120 27.2 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:32 PM



#74

N-ethyl acetate

Concen: 51.00 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion: 43 Resp: 325313

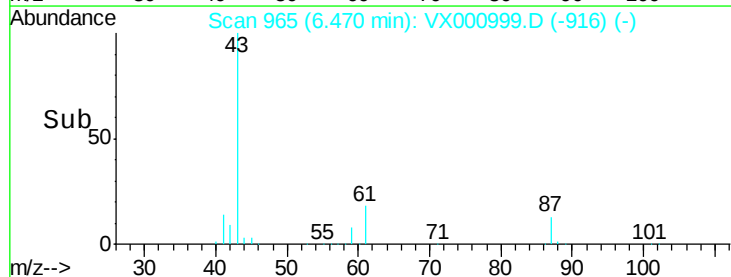
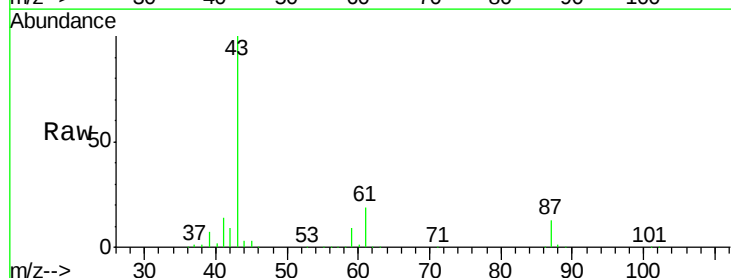
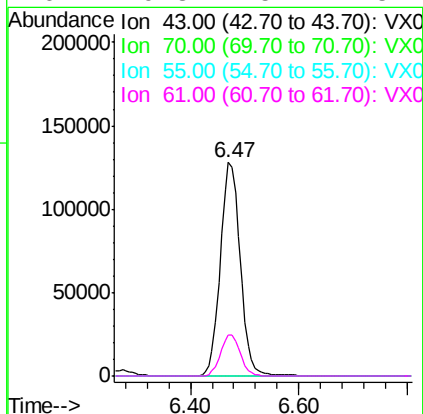
Ion Ratio Lower Upper

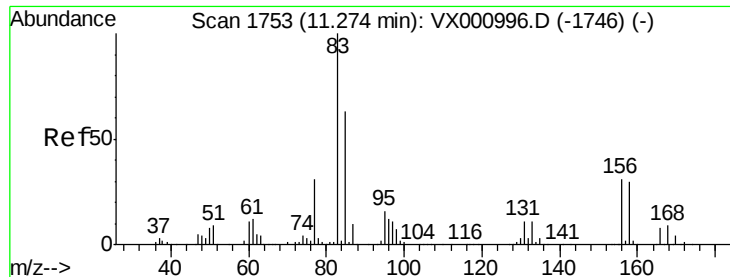
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.3 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.53 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

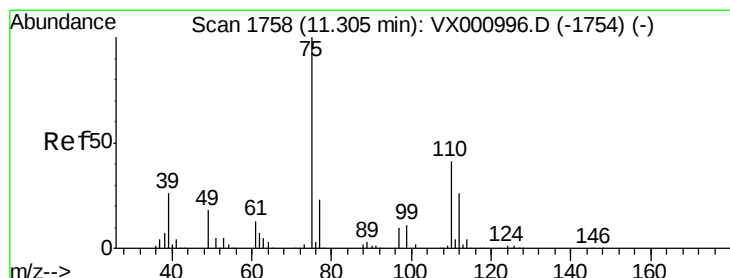
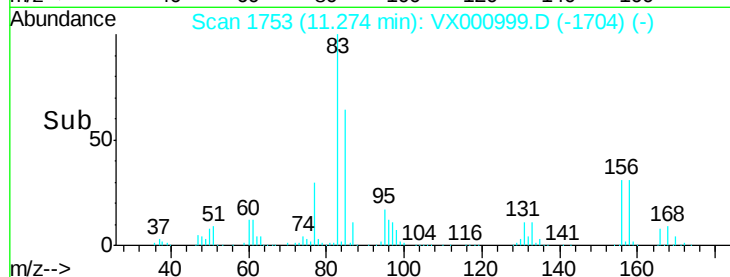
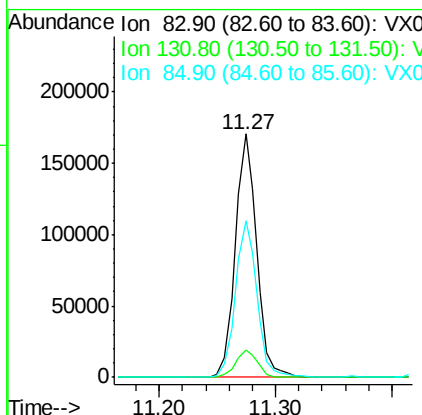
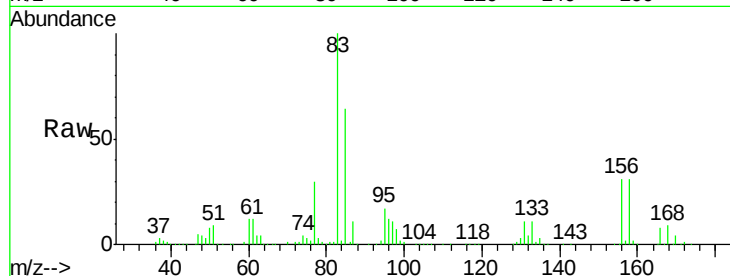
ClientSampleId :

ICVVX041918

Tot Ion:	83	Resp:	217487
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	65.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#76

1,2,3-Trichloropropane

Concen: 51.02 ug/l m

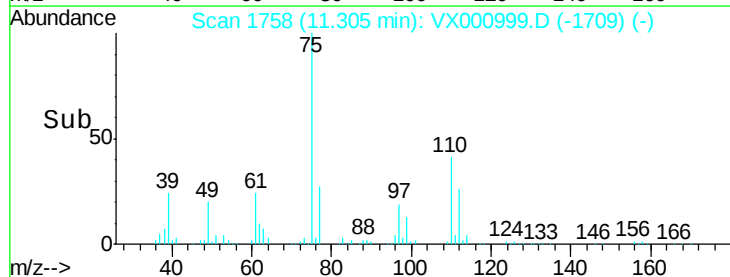
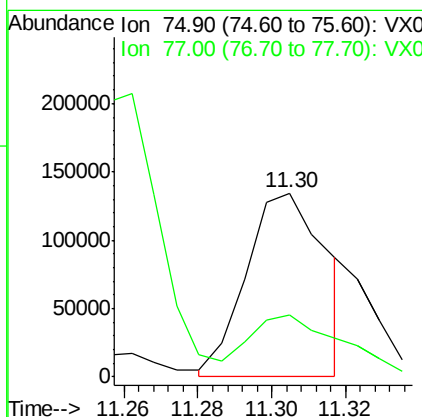
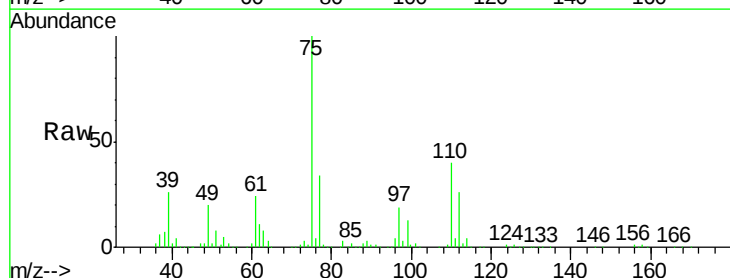
RT: 11.30 min Scan# 1758

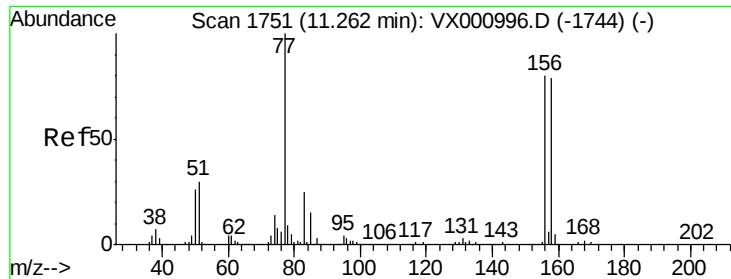
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	75	Resp:	201870
Ion Ratio	Lower	Upper	
75	100		
77	39.0	19.6	58.7





#77

Bromobenzene

Concen: 49.64 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

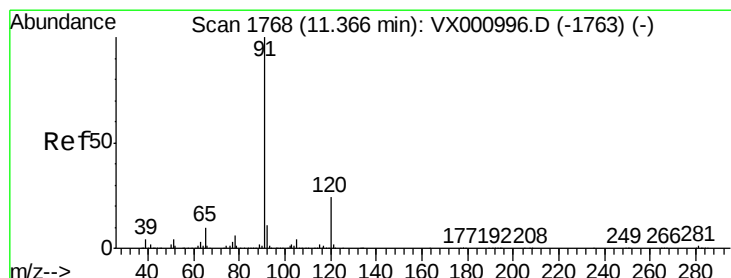
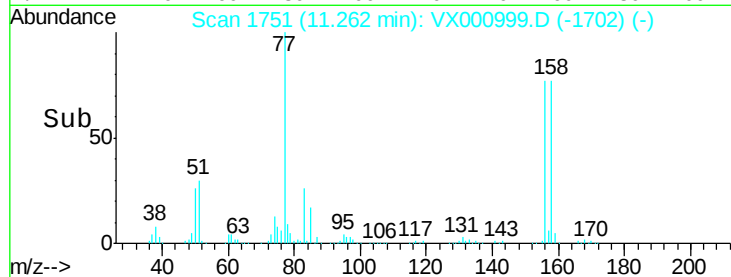
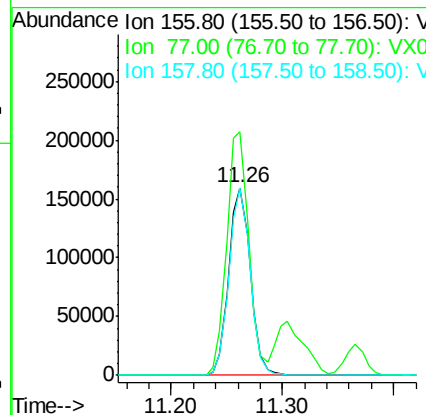
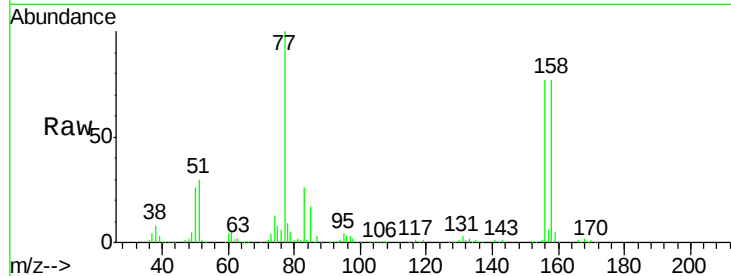
ClientSampleId :

ICVVX041918

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.0	66.3	199.0
158	98.2	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#78

n-propylbenzene

Concen: 49.58 ug/l

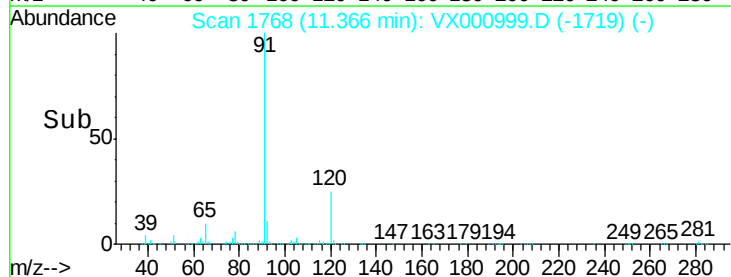
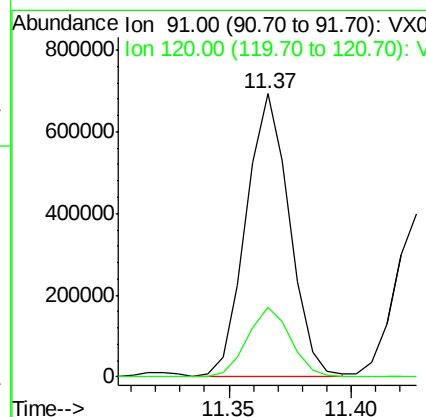
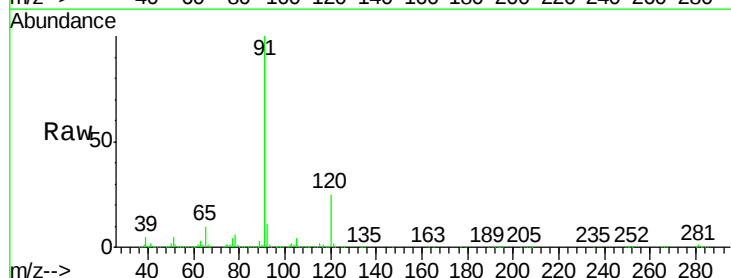
RT: 11.37 min Scan# 1768

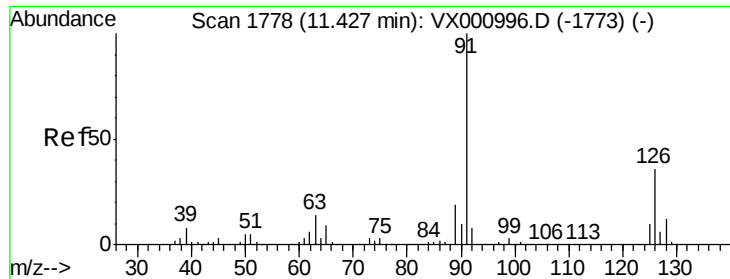
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.0





#79

2-Chlorotoluene

Concen: 49.31 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX041918

Tot Ion: 91 Resp: 498722

Ion Ratio Lower Upper

91 100

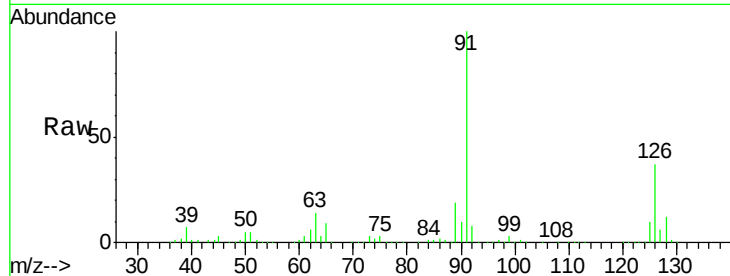
126 36.7 18.3 54.9

Manual Integrations

APPROVED

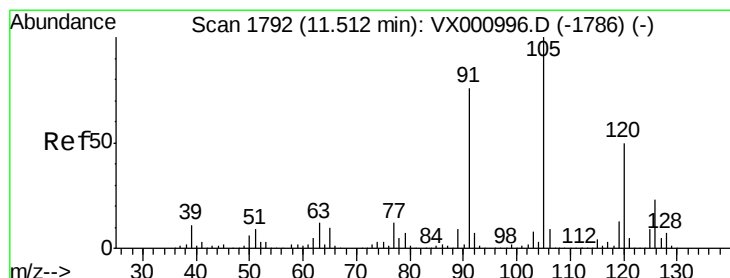
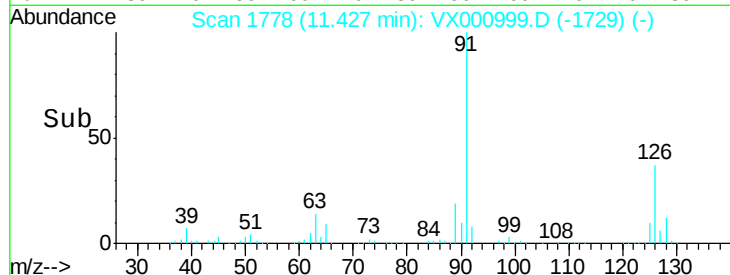
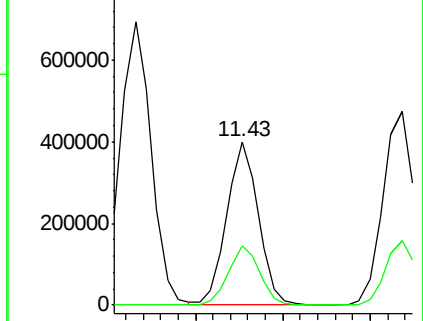
MMDadoda

4/20/2018 2:09:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VX000999.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000999.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000999.D

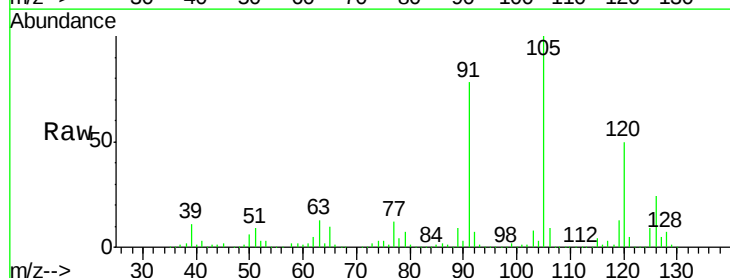
Acq: 19 Apr 2018 19:45

Tgt Ion: 105 Resp: 633676

Ion Ratio Lower Upper

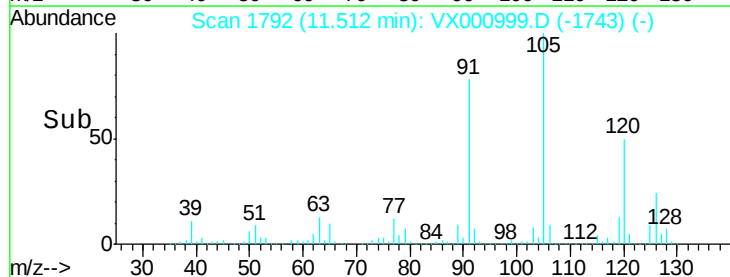
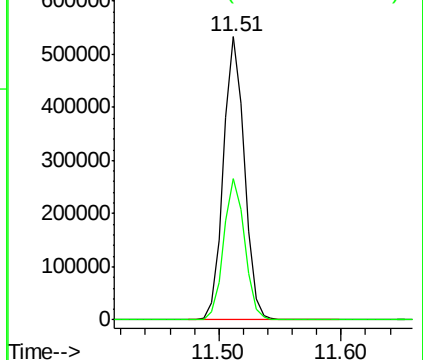
105 100

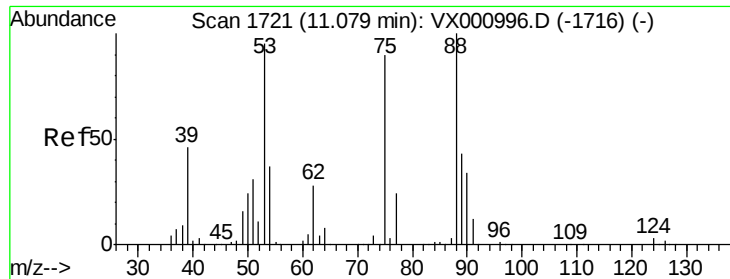
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000999.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000999.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.55 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

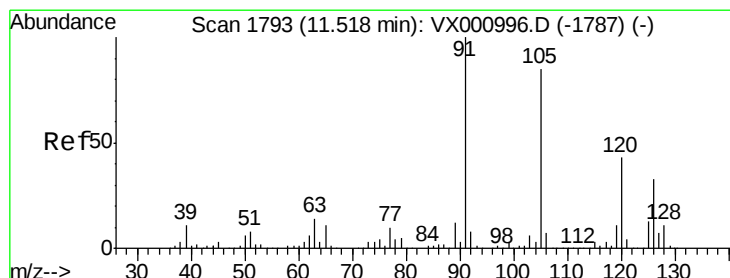
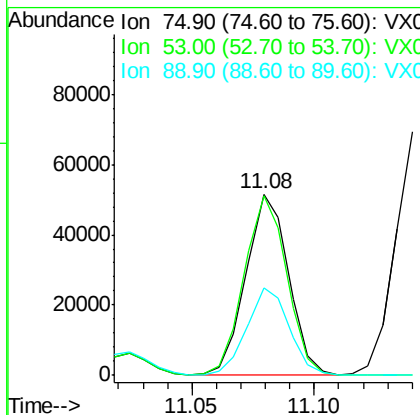
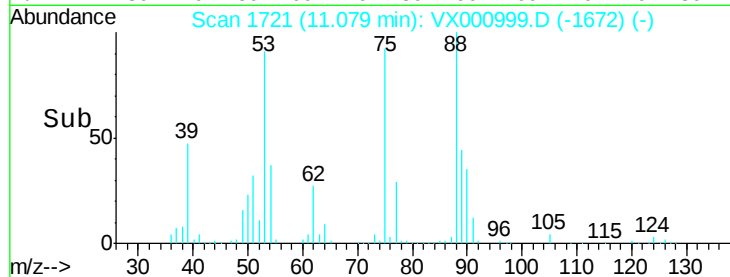
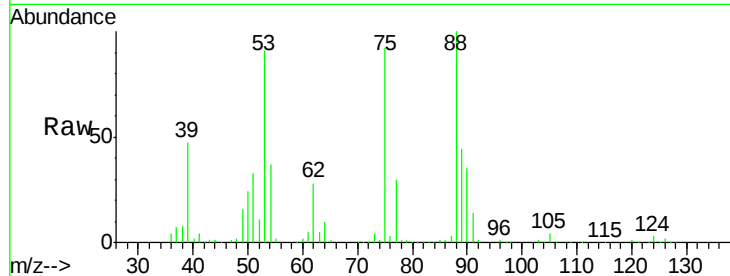
ClientSampleId :

ICVVX041918

Tot Ion:	75	Resp:	62469
Ion	Ratio	Lower	Upper
75	100		
53	99.2	83.4	125.2
89	48.5	39.7	59.5

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#82

4-Chlorotoluene

Concen: 49.16 ug/l

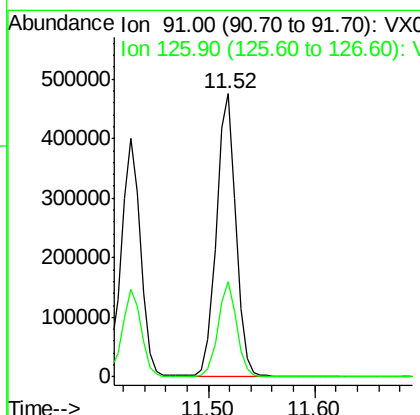
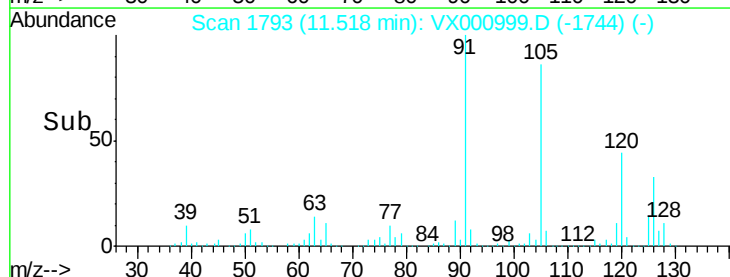
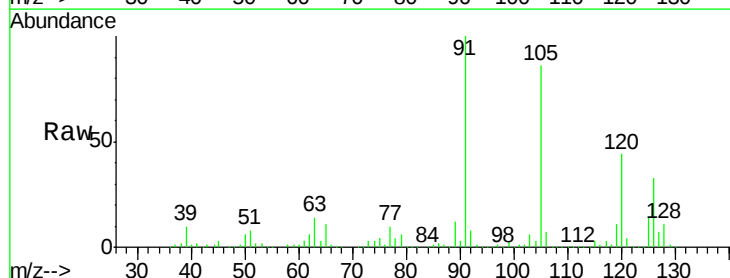
RT: 11.52 min Scan# 1793

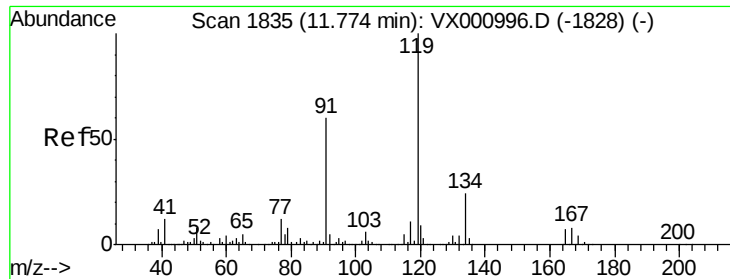
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	91	Resp:	600844
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





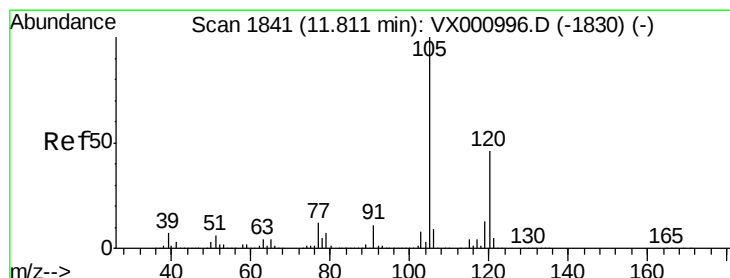
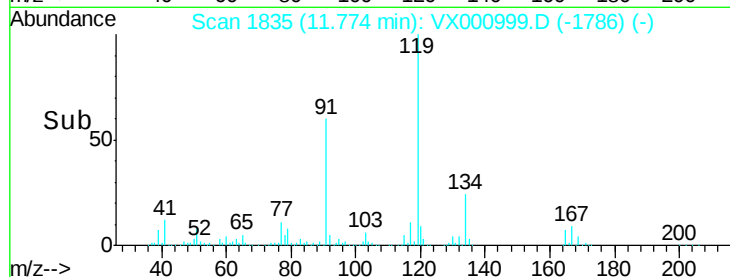
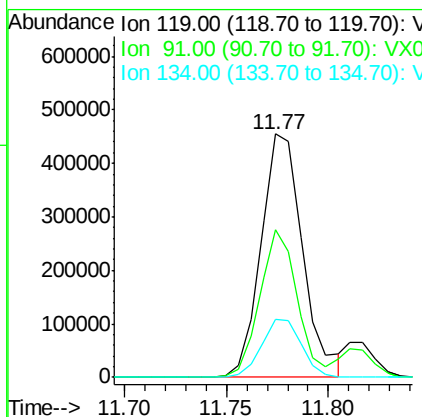
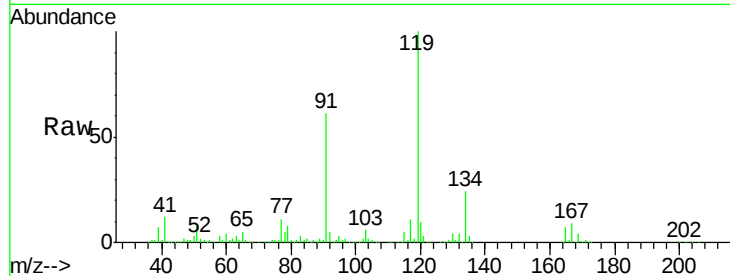
#83
 tert-Butylbenzene
 Concen: 50.84 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion	Ratio	Resp	Lower	Upper
119	100	648221		
91	54.4	27.0	81.0	
134	23.0	11.6	34.7	

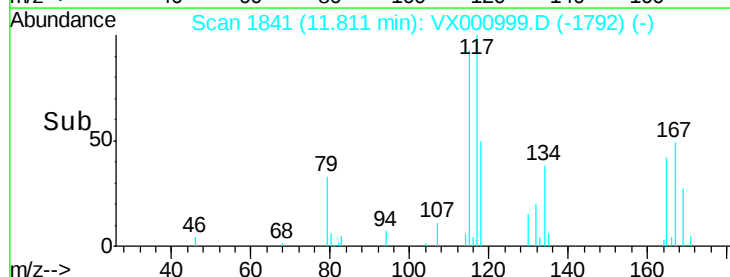
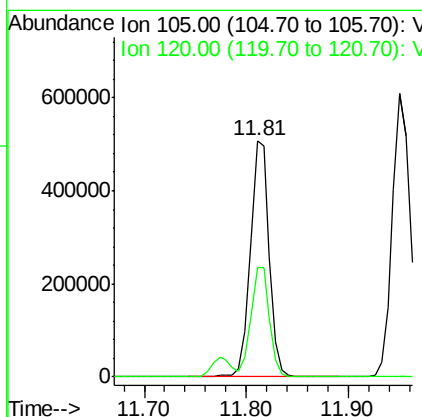
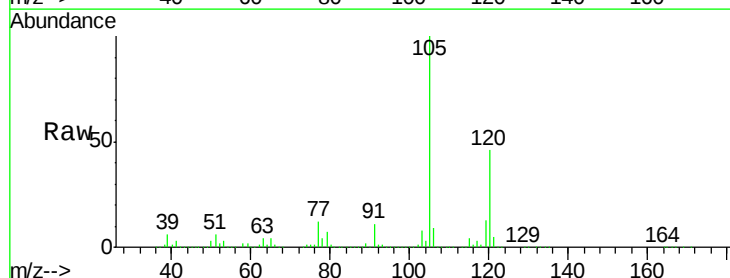
Manual Integrations
 APPROVED

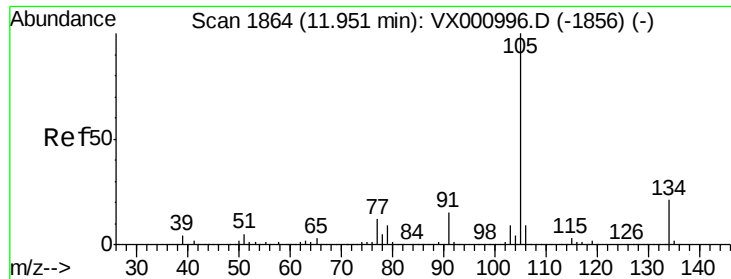
MMDadoda
 4/20/2018 2:09:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	654360		
120	45.9	23.0	69.0	





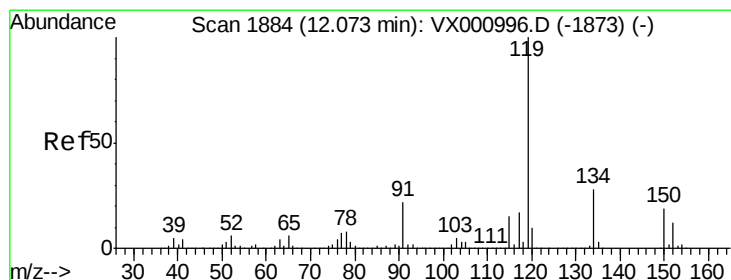
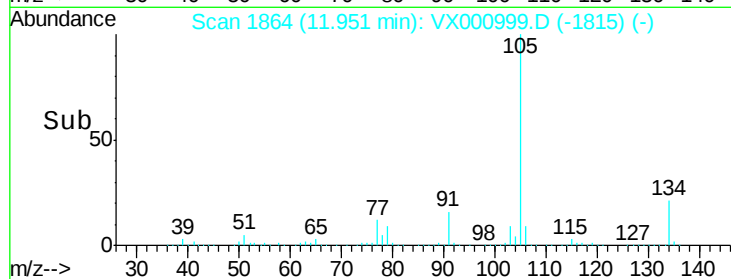
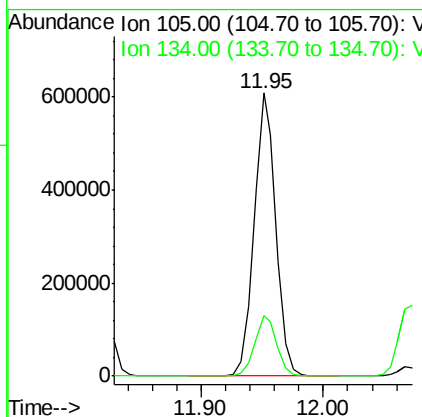
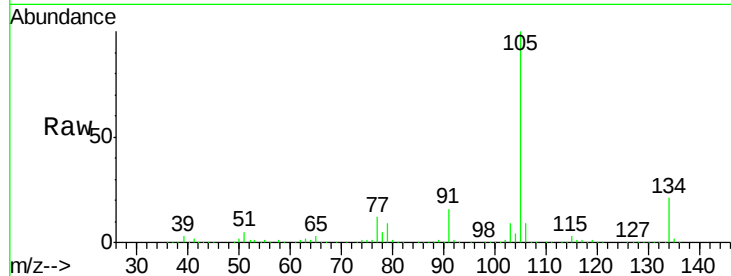
#85
 sec-Butylbenzene
 Concen: 49.49 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion:105 Resp: 753278
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.5 31.6

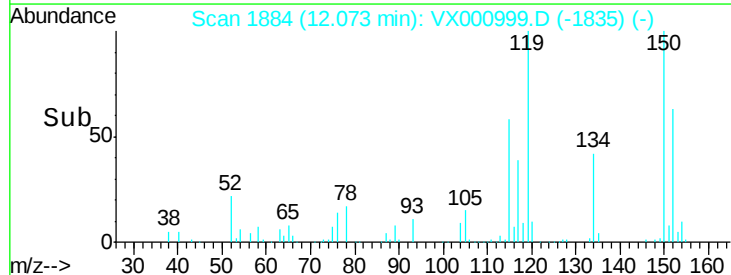
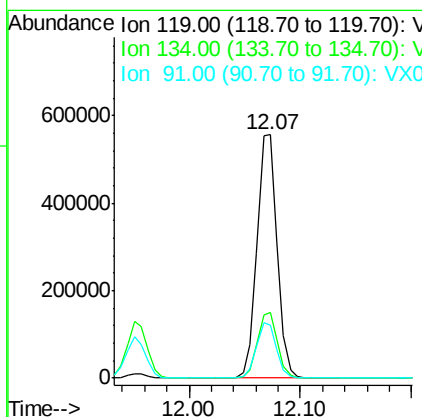
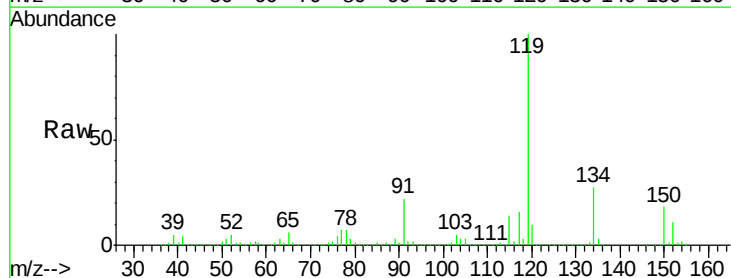
Manual Integrations
 APPROVED

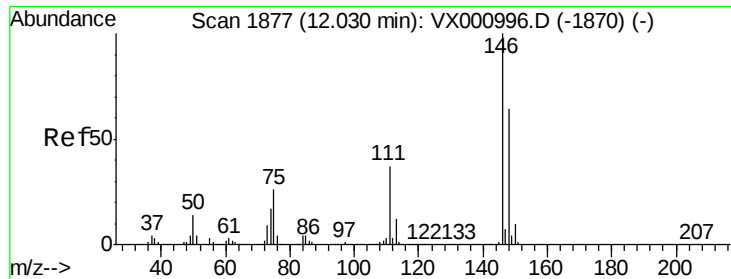
MMDadoda
 4/20/2018 2:09:32 PM



#86
 p-Isopropyltoluene
 Concen: 50.06 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion:119 Resp: 704756
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 22.3 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 49.17 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

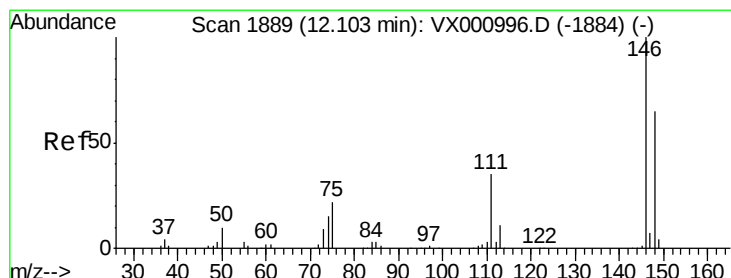
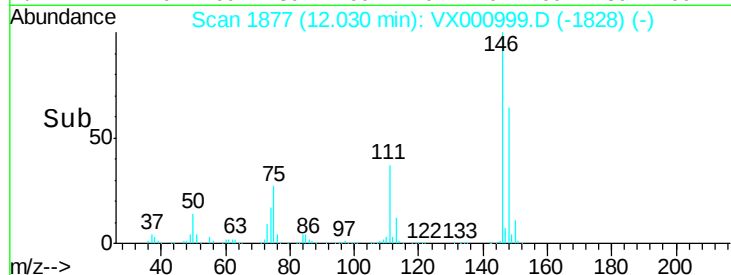
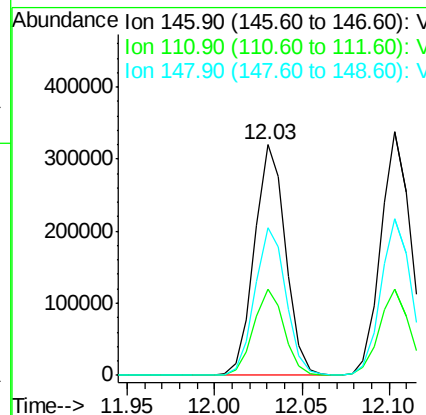
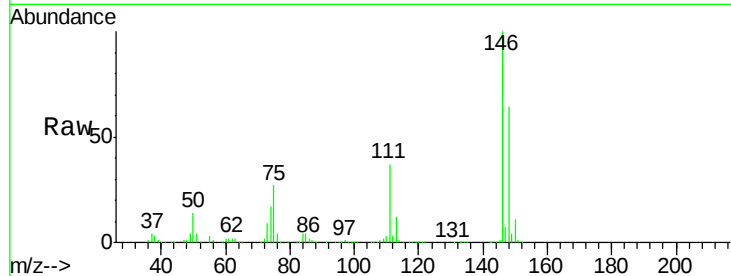
ClientSampleId :

ICVVX041918

Tot Ion:	146	Resp:	398411
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.3	54.8
148	64.2	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#88

1,4-Dichlorobenzene

Concen: 48.52 ug/l

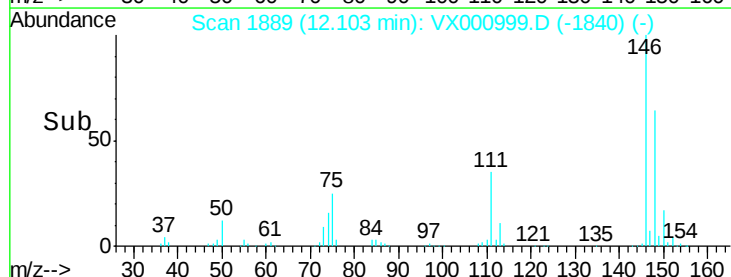
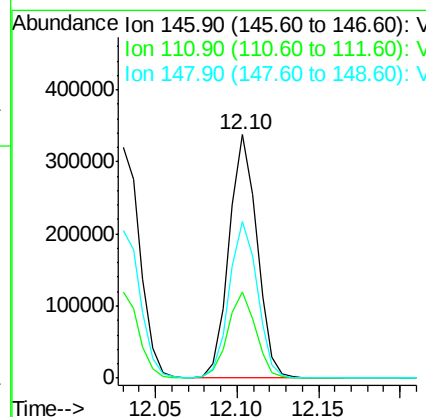
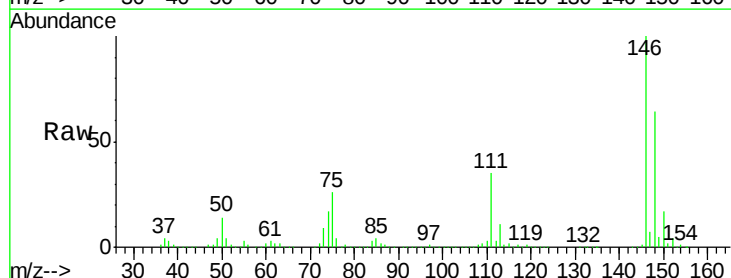
RT: 12.10 min Scan# 1889

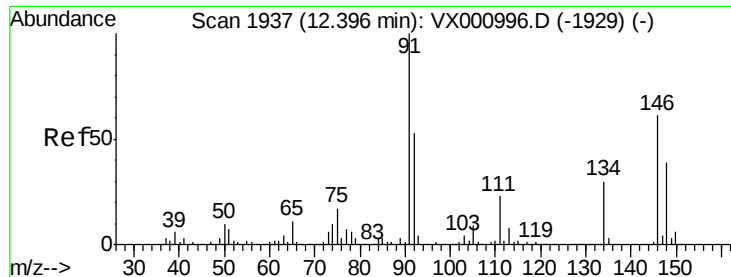
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	146	Resp:	403500
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.0	54.0
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 49.62 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX041918

Tot Ion: 91 Resp: 621529

Ion Ratio Lower Upper

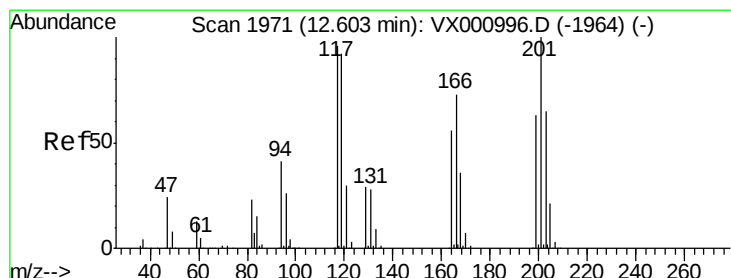
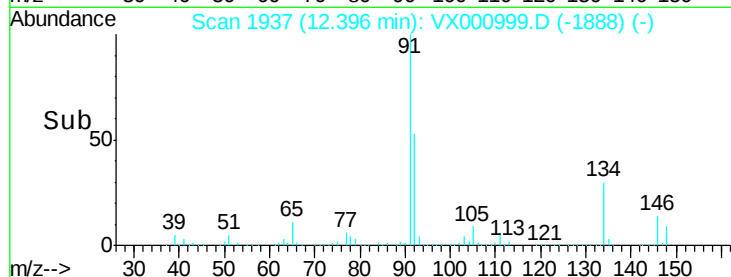
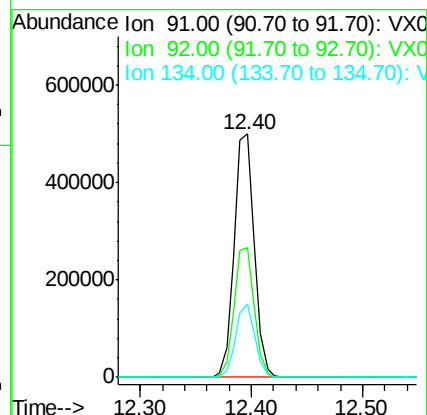
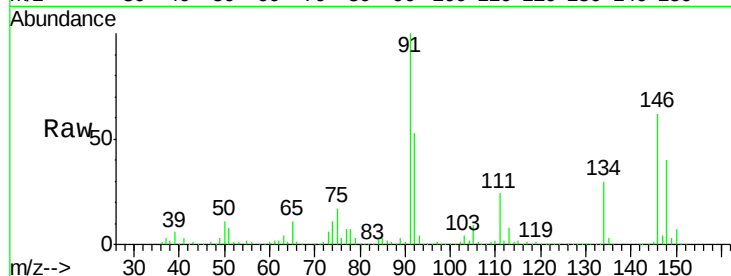
91 100

92 53.5 26.3 78.9

134 28.9 14.4 43.0

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#90

Hexachloroethane

Concen: 54.18 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000999.D

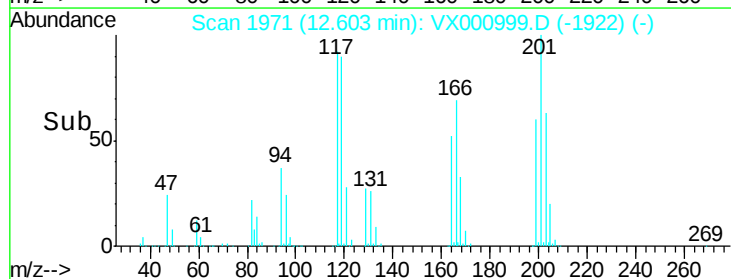
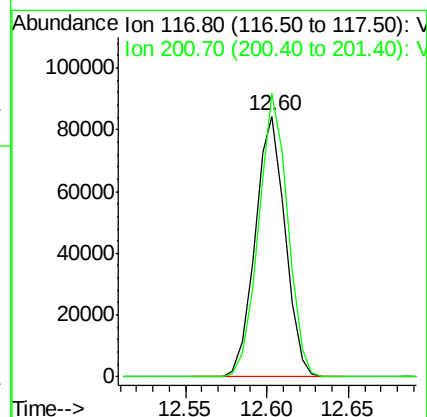
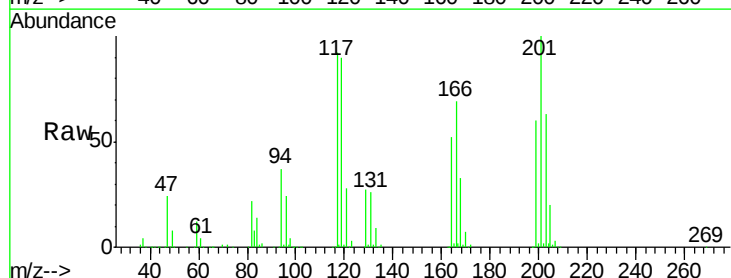
Acq: 19 Apr 2018 19:45

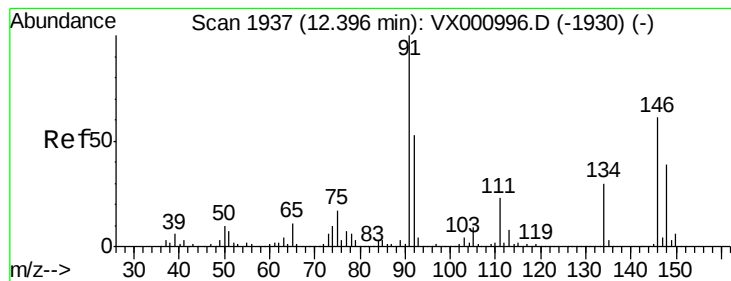
Tgt Ion: 117 Resp: 108088

Ion Ratio Lower Upper

117 100

201 105.5 52.3 157.1





#91

1,2-Dichlorobenzene

Concen: 49.37 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

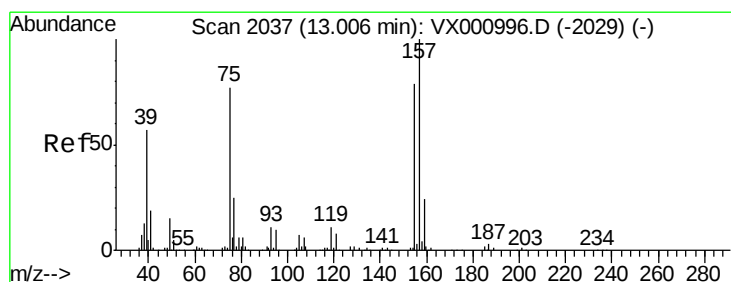
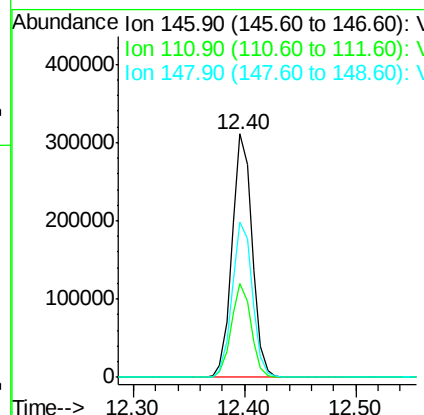
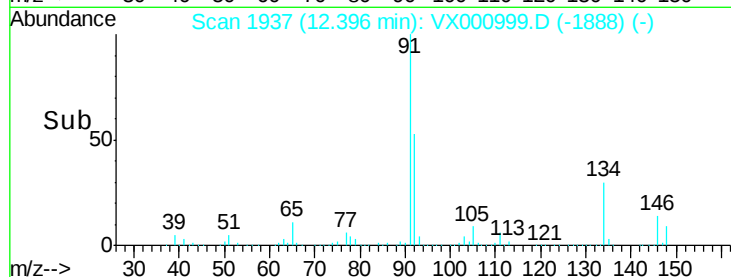
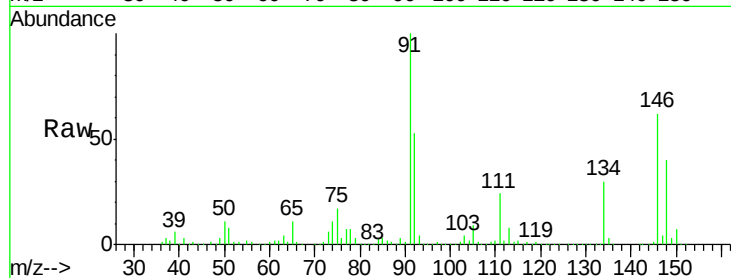
ClientSampleId :

ICVVX041918

Tot Ion:	146	Resp:	387217
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.6	56.0
148	64.2	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.48 ug/l

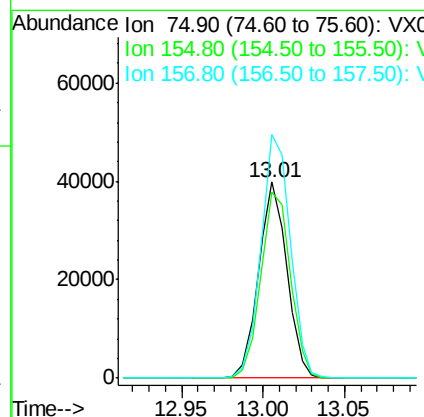
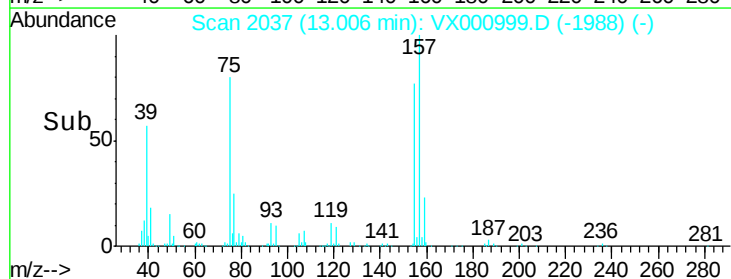
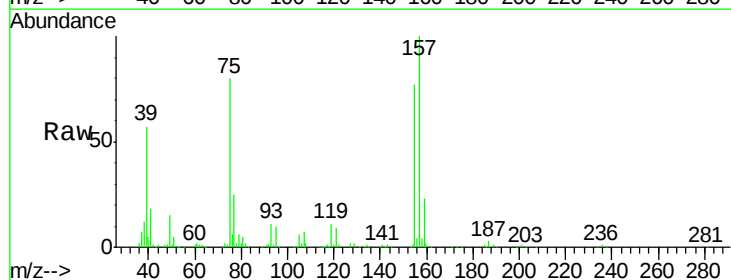
RT: 13.01 min Scan# 2037

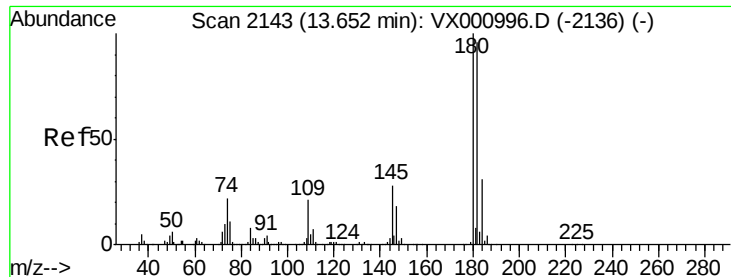
Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	75	Resp:	48171
Ion Ratio	Lower	Upper	
75	100		
155	100.0	51.0	153.0
157	129.4	64.9	194.7





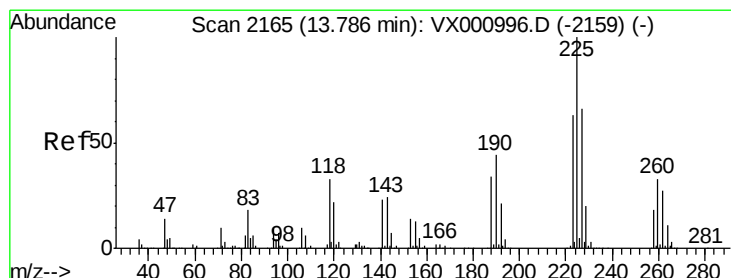
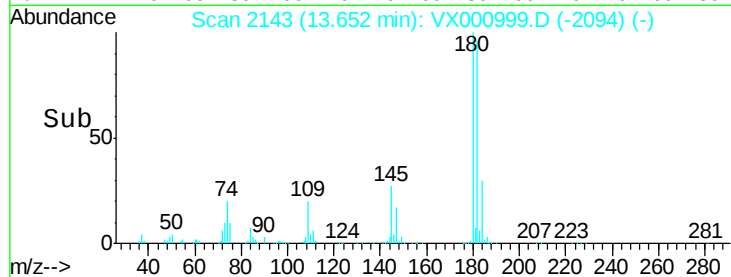
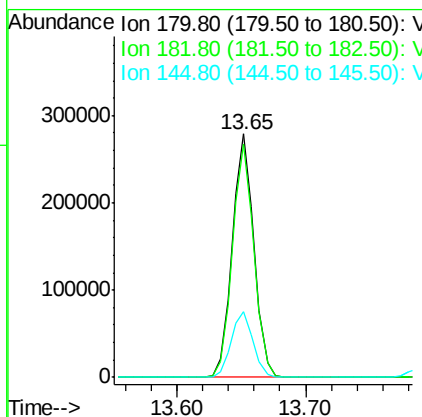
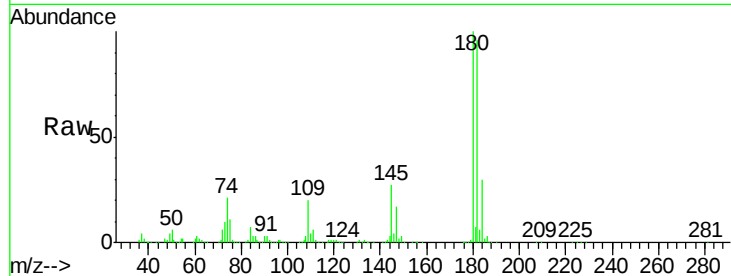
#93
 1,2,4-Trichlorobenzene
 Concen: 49.59 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041918

Tot Ion	Ratio	Resp	Lower	Upper
180	100	326491		
182	95.6	48.0	144.0	
145	27.5	13.9	41.7	

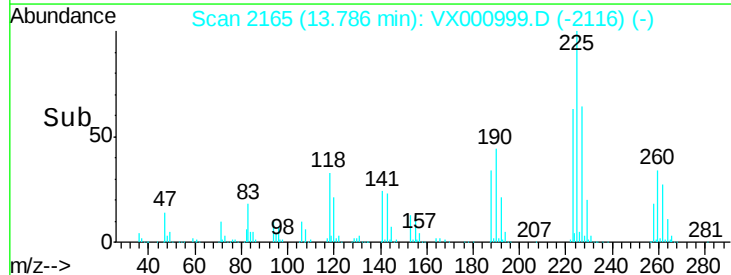
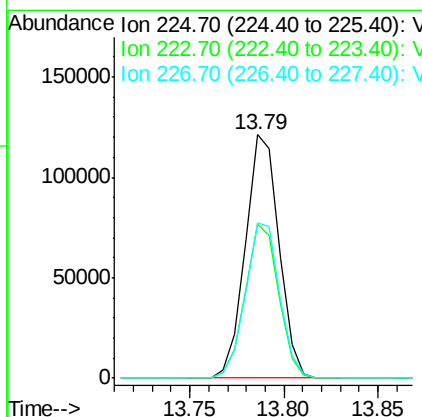
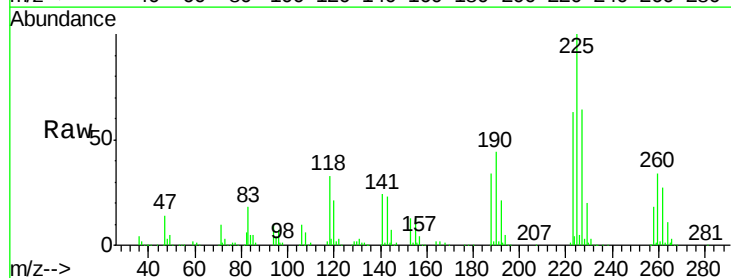
Manual Integrations
 APPROVED

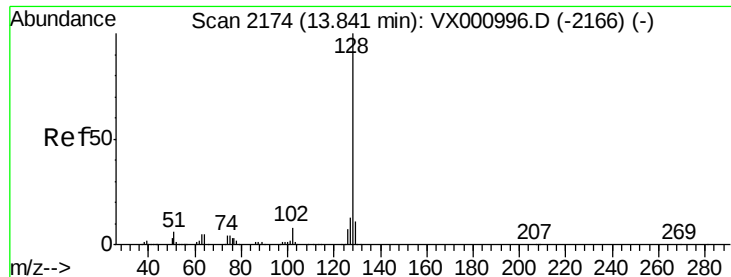
MMDadoda
 4/20/2018 2:09:32 PM



#94
 Hexachlorobutadiene
 Concen: 50.40 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000999.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150156		
223	62.7	31.5	94.5	
227	64.8	32.6	97.8	





#95

Naphthalene

Concen: 52.21 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_X

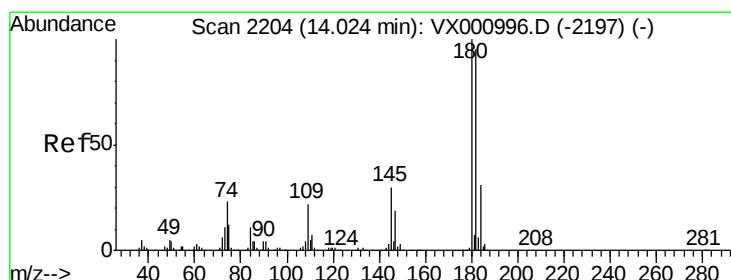
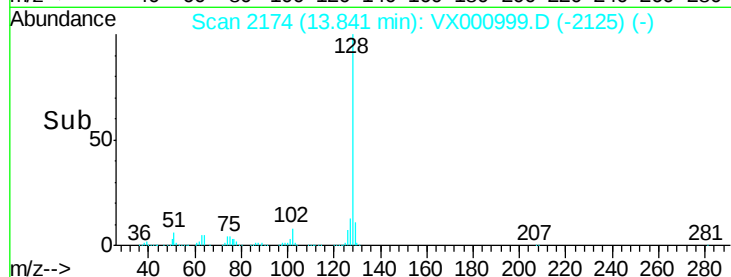
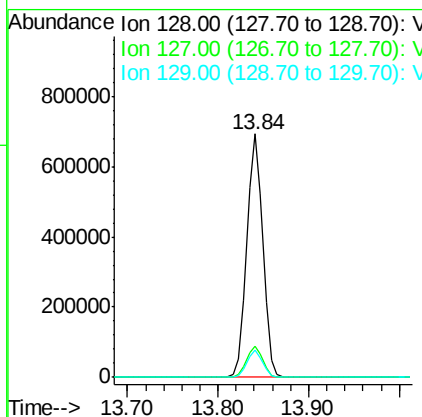
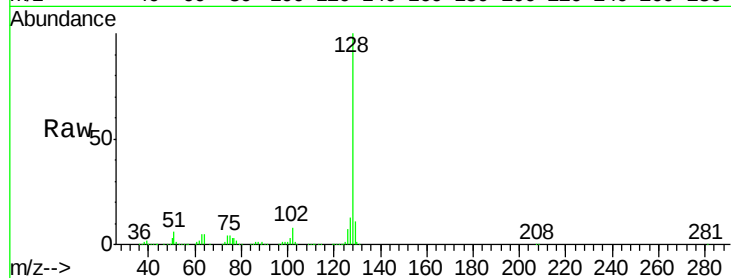
ClientSampleId :

ICVVX041918

Tot Ion:	128	Resp:	845520
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.57 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX000999.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	180	Resp:	315671
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.7
145	29.2	14.5	43.6

